10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.18	66.36	16.02	0.46	130.0	± 9.6 %
		Y	5.37	66.67	16.30		130.0	
		Z	5.26	66.42	16.12		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.37	66.56	16.19	0.46	130.0	± 9.6 %
		Y	5.56	66.83	16.44		130.0	
		Z	5.45	66.62	16.29		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.70	67.43	16.67	0.46	130.0	± 9.6 %
		Y	5.96	67.86	17.00		130.0	
		Z	5.85	67.68	16.87		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.53	66.58	16.10	0.46	130.0	± 9.6 %
		Y	5.67	66.83	16.33		130.0	
		Z	5.59	66.62	16.19		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.76	67.13	16.34	0.46	130.0	± 9.6 %
		Y	5.92	67.36	16.55		130.0	
		Z	5.84	67.20	16.44		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.55	66.65	16.04	0.46	130.0	± 9.6 %
		Y	5.74	67.01	16.32		130.0	
		Z	5.64	66.75	16.15		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.63	66.70	16.06	0.46	130.0	± 9.6 %
		Y	5.82	67.06	16.34		130.0	
		Z	5.73	66.85	16.20		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.02	68.08	16.75	0.46	130.0	± 9.6 %
		Y	6.35	68.81	17.22		130.0	
		Z	6.21	68.47	17.01		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.93	67.91	16.85	0.46	130.0	± 9.6 %
		Y	6.22	68.49	17.23		130.0	
		Z	6.07	68.13	17.02		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.73	67.18	16.51	0.46	130.0	± 9.6 %
		Y	5.89	67.41	16.70		130.0	
		Z	5.80	67.23	16.59		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.62	66.81	16.15	0.46	130.0	± 9.6 %
		Y	5.83	67.22	16.45		130.0	
		Z	5.70	66.89	16.25		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.60	66.83	16.22	0.46	130.0	± 9.6 %
		Y	5.80	67.20	16.49		130.0	
		Z	5.68	66.91	16.32		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.49	66.20	15.64	0.46	130.0	± 9.6 %
		Y	5.70	66.62	15.97		130.0	
		Z	5.57	66.30	15.76		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.94	66.94	16.20	0.46	130.0	± 9.6 %
		Y	6.08	67.21	16.43		130.0	
		Z	6.01	67.01	16.29		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.09	67.31	16.37	0.46	130.0	± 9.6 %
		Y	6.25	67.59	16.60		130.0	
		Z	6.17	67.39	16.47		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.09	67.29	16.33	0.46	130.0	± 9.6 %
		Y	6.24	67.57	16.56		130.0	
		Z	6.16	67.36	16.43		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.07	67.23	16.35	0.46	130.0	± 9.6 %
		Y	6.24	67.58	16.61		130.0	
		Z	6.15	67.32	16.46		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.07	67.24	16.30	0.46	130.0	± 9.6 %
		Y	6.27	67.66	16.60		130.0	
		Z	6.16	67.36	16.42		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.12	67.17	16.28	0.46	130.0	± 9.6 %
		Y	6.27	67.42	16.50		130.0	
		Z	6.19	67.22	16.37		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.15	67.40	16.56	0.46	130.0	± 9.6 %
		Y	6.33	67.71	16.80		130.0	
		Z	6.23	67.48	16.66		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.00	67.10	16.31	0.46	130.0	± 9.6 %
		Y	6.17	67.42	16.57		130.0	
		Z	6.07	67.18	16.41		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.14	67.54	16.55	0.46	130.0	± 9.6 %
		Y	6.39	68.09	16.93		130.0	
		Z	6.25	67.74	16.71		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.37	67.87	16.68	0.46	130.0	± 9.6 %
		Y	6.75	68.70	17.18		130.0	
		Z	6.71	68.64	17.12		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	52.73	128.49	41.99	9.30	60.0	± 9.6 %
		Y	32.04	112.77	37.15		60.0	
		Z	46.55	124.28	40.70		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	50.70	128.57	42.19	9.30	60.0	± 9.6 %
		Y	33.96	114.91	37.91		60.0	
		Z	46.47	125.17	41.11		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.58	61.87	9.06	0.00	150.0	± 9.6 %
		Y	0.76	64.26	11.57		150.0	
		Z	0.64	62.51	9.86		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	4.10	68.19	16.78	2.23	80.0	± 9.6 %
		Y	4.52	68.90	17.43		80.0	
		Z	4.21	68.32	17.00		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.60	67.52	16.98	2.23	80.0	± 9.6 %
		Y	4.98	68.15	17.48		80.0	
		Z	4.71	67.63	17.14		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.57	67.19	17.00	2.23	80.0	± 9.6 %
		Y	4.91	67.83	17.47		80.0	
		Z	4.66	67.30	17.15		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.63	67.17	17.04	2.23	80.0	± 9.6 %
		Y	4.97	67.86	17.52		80.0	
		Z	4.72	67.30	17.19		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	21.51	94.36	24.67	10.00	50.0	± 9.6 %
		Y	11.91	84.74	23.00		50.0	
		Z	18.15	91.90	24.27		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	100.00	114.14	28.15	6.99	60.0	± 9.6 %
		Y	26.50	98.27	25.77		60.0	
		Z	100.00	115.09	28.80		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	111.33	25.43	3.98	80.0	± 9.6 %
		Y	100.00	115.92	28.23		80.0	
		Z	100.00	112.30	26.01		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	110.55	23.78	2.22	100.0	± 9.6 %
		Y	100.00	116.59	27.01		100.0	
		Z	100.00	111.76	24.43		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	108.74	21.34	0.97	120.0	± 9.6 %
		Y	100.00	120.28	26.61		120.0	
		Z	100.00	110.89	22.32		120.0	

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Calibration Laboratory of
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S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
S Servizio svizzero di taratura
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Accreditation No.: SCS 0108

Client **PC Test**

Certificate No: ES3-3022_Jun18

CALIBRATION CERTIFICATE

Object	ES3DV2 - SN:3022
Calibration procedure(s)	QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v6 Calibration procedure for dosimetric E-field probes
Calibration date:	June 22, 2018

SC ✓
6/28/18

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Dec-18
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-17)	In house check: Oct-18

	Name	Function	Signature
Calibrated by:	Leif Klysner	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: June 23, 2018

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., ϑ = 0 is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization ϑ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E^2-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z* = *NORMx,y,z * frequency_response* (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of *ConvF*.
- *DCPx,y,z:* DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- *PAR:* PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. *VR* is the maximum calibration range expressed in RMS voltage across the diode.
- *ConvF and Boundary Effect Parameters:* Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to *NORMx,y,z * ConvF* whereby the uncertainty corresponds to that given for *ConvF*. A frequency dependent *ConvF* is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- *Spherical isotropy (3D deviation from isotropy)*: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- *Sensor Offset*: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- *Connector Angle*: The angle is assessed using the information gained by determining the *NORMx* (no uncertainty required).

Probe ES3DV2

SN:3022

Manufactured:	April 15, 2003
Calibrated:	June 22, 2018

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: ES3DV2 - SN:3022

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m)^2)[A]	0.97	1.01	0.96	± 10.1 %
DCP (mV)[B]	99.7	96.5	102.3	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB$\sqrt{\mu V}$	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	180.7	±3.3 %
		Y	0.0	0.0	1.0		185.0	
		Z	0.0	0.0	1.0		180.9	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 ms.V^{-2}	T2 ms.V^{-1}	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	56.30	408.5	36.17	29.39	2.977	5.10	0.000	0.584	1.011
Y	51.61	379.9	36.94	28.97	2.404	5.10	0.000	0.498	1.013
Z	49.66	357.5	35.61	28.42	2.517	5.10	0.193	0.469	1.009

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

[A] The uncertainties of Norm X,Y,Z do not affect the E^2-field uncertainty inside TSL (see Pages 5 and 6).

[B] Numerical linearization parameter: uncertainty not required.

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

DASY/EASY - Parameters of Probe: ES3DV2 - SN:3022

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	6.54	6.54	6.54	0.50	1.39	± 12.0 %
835	41.5	0.90	6.16	6.16	6.16	0.40	1.50	± 12.0 %
1750	40.1	1.37	5.32	5.32	5.32	0.32	1.94	± 12.0 %
1900	40.0	1.40	5.07	5.07	5.07	0.53	1.39	± 12.0 %
2300	39.5	1.67	4.76	4.76	4.76	0.54	1.44	± 12.0 %
2450	39.2	1.80	4.52	4.52	4.52	0.58	1.39	± 12.0 %
2600	39.0	1.96	4.24	4.24	4.24	0.52	1.59	± 12.0 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

DASY/EASY - Parameters of Probe: ES3DV2 - SN:3022

Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	6.12	6.12	6.12	0.48	1.36	± 12.0 %
835	55.2	0.97	5.96	5.96	5.96	0.57	1.24	± 12.0 %
1750	53.4	1.49	4.93	4.93	4.93	0.44	1.52	± 12.0 %
1900	53.3	1.52	4.67	4.67	4.67	0.37	1.86	± 12.0 %
2300	52.9	1.81	4.36	4.36	4.36	0.72	1.30	± 12.0 %
2450	52.7	1.95	4.22	4.22	4.22	0.80	1.19	± 12.0 %
2600	52.5	2.16	4.03	4.03	4.03	0.72	1.14	± 12.0 %

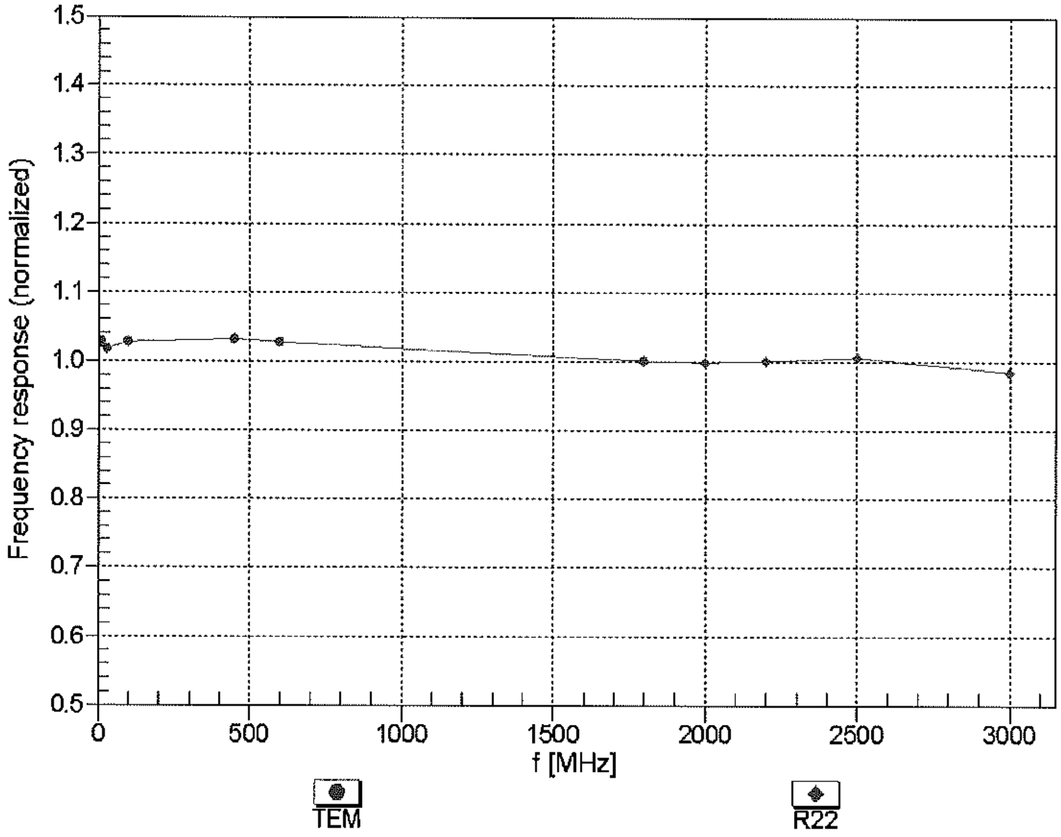
[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

Frequency Response of E-Field

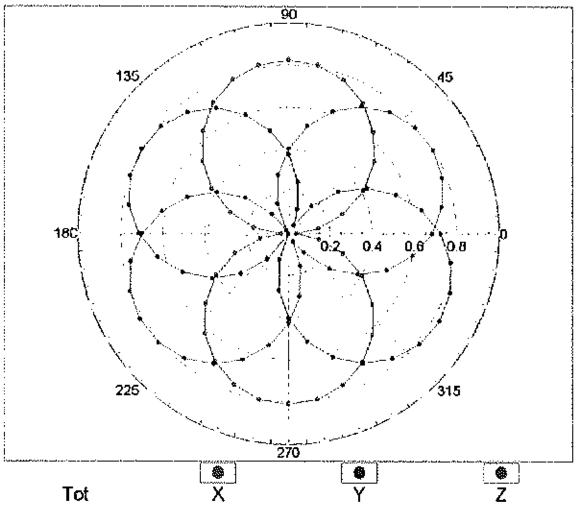
(TEM-Cell:ifi110 EXX, Waveguide: R22)



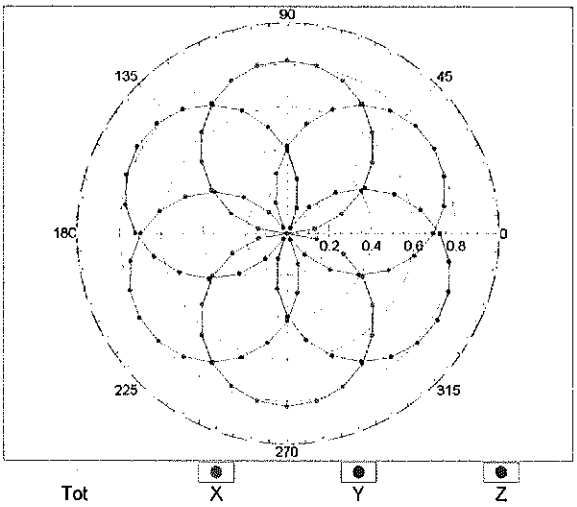
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

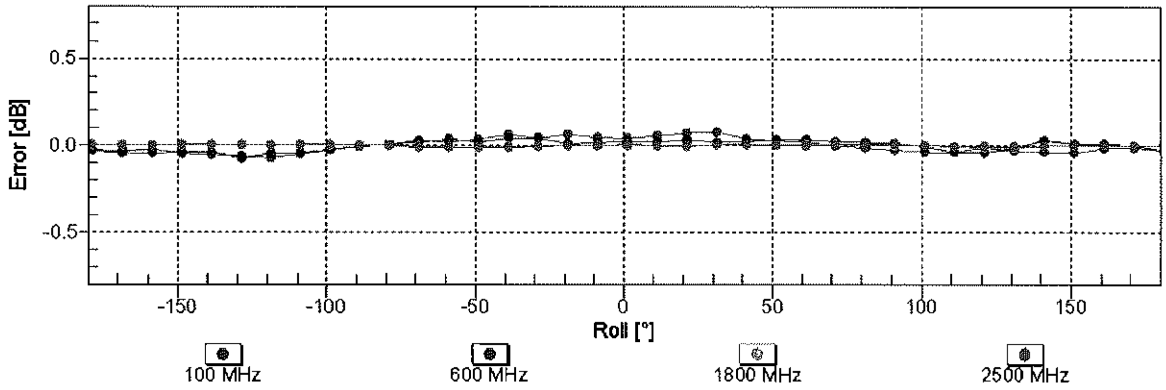
Receiving Pattern (ϕ), $\vartheta = 0°$

f=600 MHz,TEM



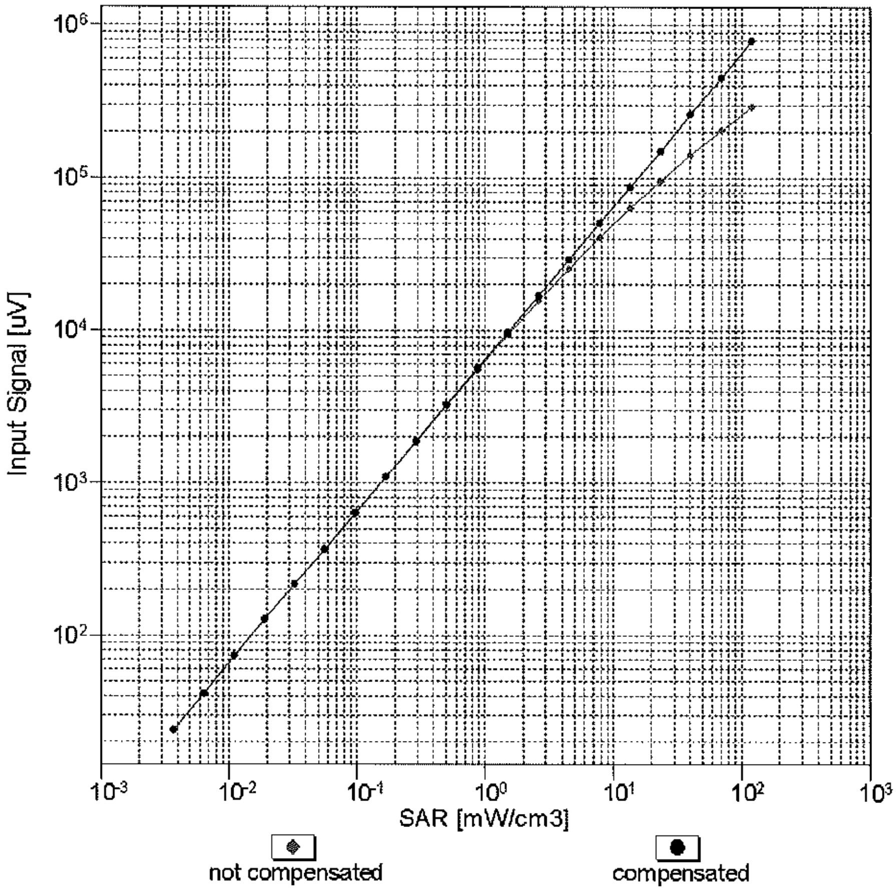
f=1800 MHz,R22

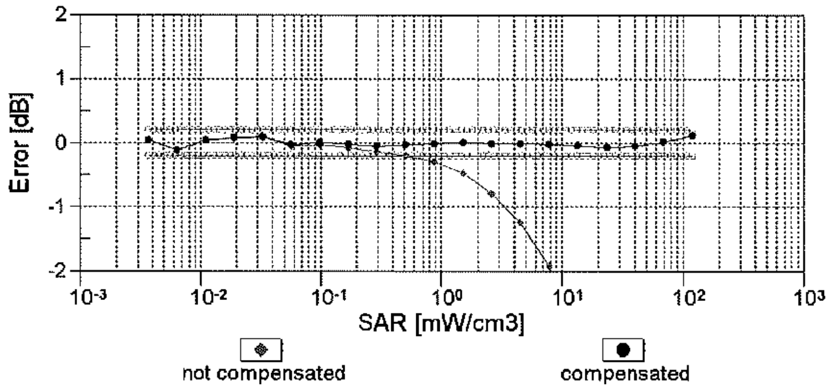




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR_{head})
(TEM cell , f_{eval}= 1900 MHz)

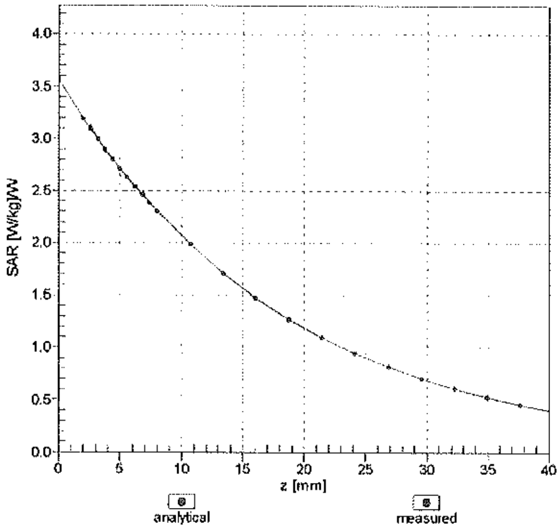




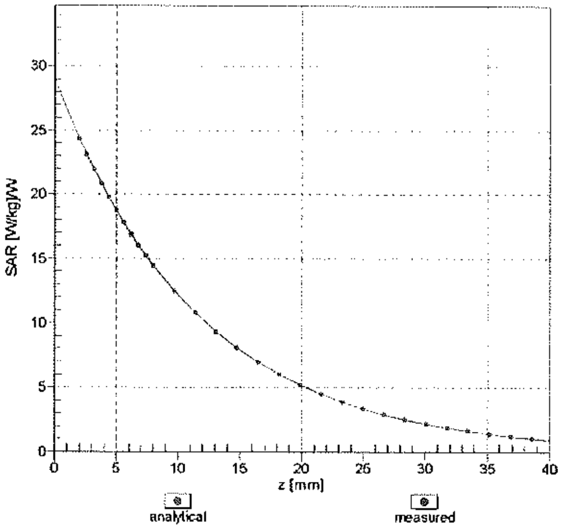
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

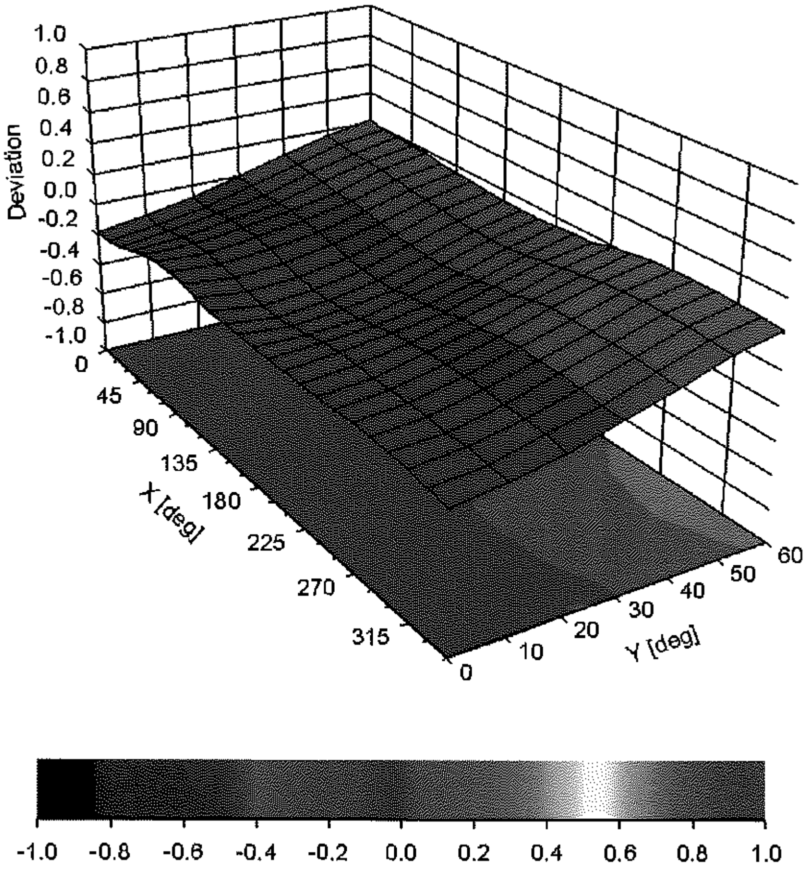


f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz



Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

DASY/EASY - Parameters of Probe: ES3DV2 - SN:3022

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	101.3
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	180.7	± 3.3 %
		Y	0.00	0.00	1.00		185.0	
		Z	0.00	0.00	1.00		180.9	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	9.12	80.72	19.72	10.00	25.0	± 9.6 %
		Y	7.78	78.39	18.16		25.0	
		Z	8.88	80.43	19.18		25.0	
10011-CAB	UMTS-FDD (WCDMA)	X	1.13	69.14	16.23	0.00	150.0	± 9.6 %
		Y	0.94	65.93	14.05		150.0	
		Z	1.03	67.74	15.26		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.32	65.59	16.25	0.41	150.0	± 9.6 %
		Y	1.23	64.33	15.18		150.0	
		Z	1.28	65.16	15.80		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	5.15	67.35	17.56	1.46	150.0	± 9.6 %
		Y	5.05	67.11	17.34		150.0	
		Z	5.06	67.35	17.45		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	21.12	96.30	26.79	9.39	50.0	± 9.6 %
		Y	34.63	103.95	28.36		50.0	
		Z	29.26	101.54	27.92		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	18.75	94.15	26.16	9.57	50.0	± 9.6 %
		Y	27.39	100.04	27.27		50.0	
		Z	24.24	98.32	27.00		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	119.51	31.22	6.56	60.0	± 9.6 %
		Y	100.00	117.40	29.84		60.0	
		Z	100.00	118.34	30.40		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	19.29	106.16	40.42	12.57	50.0	± 9.6 %
		Y	14.92	99.57	37.85		50.0	
		Z	20.66	109.51	41.75		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	19.66	103.12	35.65	9.56	60.0	± 9.6 %
		Y	18.05	101.73	35.07		60.0	
		Z	20.79	105.41	36.46		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	118.25	29.66	4.80	80.0	± 9.6 %
		Y	100.00	115.76	28.17		80.0	
		Z	100.00	117.04	28.87		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	118.29	28.82	3.55	100.0	± 9.6 %
		Y	100.00	115.14	27.08		100.0	
		Z	100.00	116.95	28.01		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	13.53	94.90	31.74	7.80	80.0	± 9.6 %
		Y	11.99	92.66	30.82		80.0	
		Z	13.36	95.33	31.90		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	117.88	29.84	5.30	70.0	± 9.6 %
		Y	100.00	115.45	28.36		70.0	
		Z	100.00	116.58	28.99		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	118.97	27.49	1.88	100.0	± 9.6 %
		Y	100.00	112.96	24.59		100.0	
		Z	100.00	116.57	26.27		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	122.85	27.97	1.17	100.0	± 9.6 %
		Y	100.00	112.87	23.49		100.0	
		Z	100.00	119.11	26.22		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	16.94	95.81	26.51	5.30	70.0	± 9.6 %
		Y	16.15	94.60	25.59		70.0	
		Z	17.74	96.16	26.17		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	8.87	89.65	22.97	1.88	100.0	± 9.6 %
		Y	5.53	82.01	19.73		100.0	
		Z	7.80	87.02	21.52		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	5.00	83.13	20.55	1.17	100.0	± 9.6 %
		Y	3.13	75.87	17.18		100.0	
		Z	4.27	80.34	18.96		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	20.34	99.02	27.54	5.30	70.0	± 9.6 %
		Y	20.03	98.23	26.74		70.0	
		Z	21.83	99.68	27.27		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	8.42	88.95	22.71	1.88	100.0	± 9.6 %
		Y	5.23	81.29	19.45		100.0	
		Z	7.27	86.10	21.20		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	5.22	84.01	20.94	1.17	100.0	± 9.6 %
		Y	3.22	76.47	17.50		100.0	
		Z	4.42	81.08	19.32		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	2.15	74.05	16.96	0.00	150.0	± 9.6 %
		Y	1.48	68.71	13.88		150.0	
		Z	1.75	71.47	15.26		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	51.16	108.30	28.43	7.78	50.0	± 9.6 %
		Y	88.21	114.49	29.14		50.0	
		Z	92.16	115.96	29.82		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	110.75	3.44	0.00	150.0	± 9.6 %
		Y	0.01	124.18	1.76		150.0	
		Z	0.00	108.83	6.62		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	11.42	83.38	24.28	13.80	25.0	± 9.6 %
		Y	13.16	86.56	24.81		25.0	
		Z	12.43	85.46	24.63		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	13.53	87.91	24.50	10.79	40.0	± 9.6 %
		Y	16.13	90.98	24.89		40.0	
		Z	15.33	90.21	24.85		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	12.94	87.44	24.76	9.03	50.0	± 9.6 %
		Y	13.62	88.57	24.69		50.0	
		Z	13.86	88.86	24.90		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	9.99	89.04	28.92	6.55	100.0	± 9.6 %
		Y	8.79	86.66	27.91		100.0	
		Z	9.58	88.70	28.79		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.52	67.99	17.40	0.61	110.0	± 9.6 %
		Y	1.38	66.31	16.16		110.0	
		Z	1.46	67.39	16.89		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	131.43	33.80	1.30	110.0	± 9.6 %
		Y	63.48	121.74	30.70		110.0	
		Z	100.00	130.20	33.12		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	12.72	100.01	28.21	2.04	110.0	± 9.6 %
		Y	8.00	91.91	25.30		110.0	
		Z	11.18	97.82	27.34		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.86	67.08	16.83	0.49	100.0	± 9.6 %
		Y	4.76	66.82	16.60		100.0	
		Z	4.77	67.05	16.71		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.90	67.25	16.98	0.72	100.0	± 9.6 %
		Y	4.80	66.98	16.73		100.0	
		Z	4.81	67.21	16.85		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.23	67.58	17.24	0.86	100.0	± 9.6 %
		Y	5.11	67.30	17.01		100.0	
		Z	5.11	67.52	17.11		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	5.14	67.63	17.42	1.21	100.0	± 9.6 %
		Y	5.02	67.34	17.18		100.0	
		Z	5.03	67.57	17.29		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	5.20	67.78	17.66	1.46	100.0	± 9.6 %
		Y	5.07	67.47	17.41		100.0	
		Z	5.08	67.71	17.52		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.53	67.98	18.13	2.04	100.0	± 9.6 %
		Y	5.40	67.73	17.91		100.0	
		Z	5.42	67.97	18.03		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.67	68.34	18.51	2.55	100.0	± 9.6 %
		Y	5.53	68.01	18.26		100.0	
		Z	5.54	68.25	18.37		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.75	68.32	18.71	2.67	100.0	± 9.6 %
		Y	5.61	68.01	18.46		100.0	
		Z	5.63	68.27	18.59		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.30	67.61	17.96	1.99	100.0	± 9.6 %
		Y	5.20	67.35	17.74		100.0	
		Z	5.21	67.60	17.85		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.37	68.19	18.29	2.30	100.0	± 9.6 %
		Y	5.25	67.88	18.05		100.0	
		Z	5.27	68.14	18.18		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.52	68.58	18.74	2.83	100.0	± 9.6 %
		Y	5.38	68.25	18.48		100.0	
		Z	5.41	68.54	18.62		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.57	68.68	19.00	3.30	100.0	± 9.6 %
		Y	5.43	68.33	18.73		100.0	
		Z	5.47	68.64	18.88		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.73	69.19	19.51	3.82	90.0	± 9.6 %
		Y	5.57	68.75	19.20		90.0	
		Z	5.61	69.08	19.36		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.76	69.02	19.65	4.15	90.0	± 9.6 %
		Y	5.60	68.61	19.35		90.0	
		Z	5.65	68.96	19.53		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.80	69.13	19.76	4.30	90.0	± 9.6 %
		Y	5.64	68.71	19.46		90.0	
		Z	5.70	69.08	19.65		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.97	67.77	13.80	0.00	150.0	± 9.6 %
		Y	0.73	64.07	11.07		150.0	
		Z	0.81	65.70	12.14		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	2.25	64.31	9.20	4.77	80.0	± 9.6 %
		Y	1.88	62.88	7.97		80.0	
		Z	2.02	63.56	8.52		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	119.60	31.28	6.56	60.0	± 9.6 %
		Y	100.00	117.50	29.91		60.0	
		Z	100.00	118.43	30.47		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.89	68.21	16.12	0.00	150.0	± 9.6 %
		Y	1.73	66.65	14.94		150.0	
		Z	1.81	67.75	15.61		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.85	68.19	16.10	0.00	150.0	± 9.6 %
		Y	1.69	66.60	14.90		150.0	
		Z	1.78	67.71	15.59		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	19.56	102.95	35.59	9.56	60.0	± 9.6 %
		Y	18.00	101.62	35.03		60.0	
		Z	20.69	105.25	36.41		60.0	
10100-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.30	71.09	17.05	0.00	150.0	± 9.6 %
		Y	3.01	69.46	16.11		150.0	
		Z	3.13	70.42	16.66		150.0	
10101-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.35	67.99	16.21	0.00	150.0	± 9.6 %
		Y	3.20	67.18	15.65		150.0	
		Z	3.25	67.66	15.95		150.0	
10102-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.45	67.89	16.28	0.00	150.0	± 9.6 %
		Y	3.31	67.16	15.76		150.0	
		Z	3.35	67.61	16.03		150.0	
10103-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	8.68	78.34	21.41	3.98	65.0	± 9.6 %
		Y	8.39	78.12	21.24		65.0	
		Z	8.61	78.63	21.46		65.0	
10104-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.59	76.98	21.71	3.98	65.0	± 9.6 %
		Y	8.24	76.55	21.45		65.0	
		Z	8.42	77.02	21.66		65.0	
10105-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	8.27	76.21	21.68	3.98	65.0	± 9.6 %
		Y	7.96	75.85	21.44		65.0	
		Z	8.08	76.18	21.59		65.0	
10108-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.90	70.34	16.91	0.00	150.0	± 9.6 %
		Y	2.64	68.76	15.95		150.0	
		Z	2.74	69.70	16.50		150.0	
10109-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.01	67.84	16.14	0.00	150.0	± 9.6 %
		Y	2.85	66.97	15.51		150.0	
		Z	2.90	67.50	15.84		150.0	
10110-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.38	69.52	16.61	0.00	150.0	± 9.6 %
		Y	2.14	67.85	15.51		150.0	
		Z	2.23	68.86	16.13		150.0	
10111-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.71	68.52	16.43	0.00	150.0	± 9.6 %
		Y	2.53	67.49	15.63		150.0	
		Z	2.60	68.20	16.05		150.0	

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.13	67.76	16.17	0.00	150.0	± 9.6 %
		Y	2.98	66.98	15.59		150.0	
		Z	3.02	67.48	15.89		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.86	68.59	16.53	0.00	150.0	± 9.6 %
		Y	2.69	67.66	15.79		150.0	
		Z	2.75	68.32	16.17		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.22	67.41	16.60	0.00	150.0	± 9.6 %
		Y	5.16	67.20	16.42		150.0	
		Z	5.15	67.40	16.52		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.59	67.76	16.79	0.00	150.0	± 9.6 %
		Y	5.47	67.41	16.54		150.0	
		Z	5.46	67.57	16.61		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.35	67.70	16.67	0.00	150.0	± 9.6 %
		Y	5.27	67.44	16.47		150.0	
		Z	5.26	67.61	16.55		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.21	67.36	16.59	0.00	150.0	± 9.6 %
		Y	5.12	67.05	16.36		150.0	
		Z	5.11	67.24	16.46		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.68	67.99	16.91	0.00	150.0	± 9.6 %
		Y	5.59	67.74	16.72		150.0	
		Z	5.55	67.82	16.75		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.33	67.64	16.65	0.00	150.0	± 9.6 %
		Y	5.25	67.40	16.46		150.0	
		Z	5.23	67.56	16.54		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.49	67.90	16.20	0.00	150.0	± 9.6 %
		Y	3.35	67.17	15.68		150.0	
		Z	3.38	67.62	15.95		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.61	67.94	16.34	0.00	150.0	± 9.6 %
		Y	3.47	67.27	15.86		150.0	
		Z	3.51	67.70	16.12		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.16	69.56	16.39	0.00	150.0	± 9.6 %
		Y	1.89	67.62	15.05		150.0	
		Z	1.99	68.80	15.75		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.59	69.29	16.26	0.00	150.0	± 9.6 %
		Y	2.35	67.87	15.16		150.0	
		Z	2.44	68.82	15.68		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.39	67.25	14.80	0.00	150.0	± 9.6 %
		Y	2.18	65.99	13.75		150.0	
		Z	2.24	66.71	14.17		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.43	66.95	13.27	0.00	150.0	± 9.6 %
		Y	1.14	64.01	11.00		150.0	
		Z	1.19	64.93	11.55		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.88	71.44	15.09	0.00	150.0	± 9.6 %
		Y	2.19	68.05	12.99		150.0	
		Z	2.00	66.89	12.10		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.73	75.07	16.77	0.00	150.0	± 9.6 %
		Y	2.71	70.86	14.41		150.0	
		Z	2.36	69.01	13.24		150.0	

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.02	67.89	16.19	0.00	150.0	± 9.6 %
		Y	2.86	67.02	15.55		150.0	
		Z	2.91	67.56	15.88		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.14	67.81	16.21	0.00	150.0	± 9.6 %
		Y	2.99	67.03	15.62		150.0	
		Z	3.03	67.53	15.93		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.24	80.70	22.42	3.98	65.0	± 9.6 %
		Y	8.94	80.53	22.24		65.0	
		Z	9.27	81.24	22.54		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	8.24	77.24	21.58	3.98	65.0	± 9.6 %
		Y	7.84	76.70	21.22		65.0	
		Z	8.05	77.25	21.46		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	8.60	77.96	22.20	3.98	65.0	± 9.6 %
		Y	8.27	77.61	21.94		65.0	
		Z	8.46	78.10	22.14		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.43	69.95	16.88	0.00	150.0	± 9.6 %
		Y	2.18	68.21	15.75		150.0	
		Z	2.27	69.24	16.37		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.71	68.53	16.44	0.00	150.0	± 9.6 %
		Y	2.53	67.50	15.65		150.0	
		Z	2.60	68.21	16.06		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.02	69.83	16.32	0.00	150.0	± 9.6 %
		Y	1.73	67.53	14.74		150.0	
		Z	1.84	68.84	15.51		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.24	67.95	14.94	0.00	150.0	± 9.6 %
		Y	1.99	66.32	13.65		150.0	
		Z	2.07	67.20	14.15		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.87	68.64	16.57	0.00	150.0	± 9.6 %
		Y	2.69	67.71	15.83		150.0	
		Z	2.75	68.38	16.22		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.35	68.36	15.21	0.00	150.0	± 9.6 %
		Y	2.09	66.69	13.90		150.0	
		Z	2.17	67.60	14.40		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.90	69.35	16.70	0.00	150.0	± 9.6 %
		Y	2.71	68.24	15.94		150.0	
		Z	2.77	68.92	16.36		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.03	67.73	16.15	0.00	150.0	± 9.6 %
		Y	2.88	66.94	15.54		150.0	
		Z	2.92	67.46	15.85		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.14	67.82	16.23	0.00	150.0	± 9.6 %
		Y	2.99	67.08	15.65		150.0	
		Z	3.03	67.60	15.96		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.79	70.15	19.63	3.01	150.0	± 9.6 %
		Y	3.61	69.64	19.37		150.0	
		Z	3.59	69.77	19.29		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.70	73.05	20.10	3.01	150.0	± 9.6 %
		Y	4.36	72.33	19.76		150.0	
		Z	4.38	72.59	19.72		150.0	

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.13	74.98	21.26	3.01	150.0	± 9.6 %
		Y	4.81	74.54	21.08		150.0	
		Z	4.81	74.66	20.96		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.24	70.32	19.77	3.01	150.0	± 9.6 %
		Y	2.95	68.97	19.14		150.0	
		Z	2.96	69.16	19.07		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.47	76.14	21.98	3.01	150.0	± 9.6 %
		Y	3.92	74.50	21.37		150.0	
		Z	3.95	74.66	21.22		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.75	72.35	19.45	3.01	150.0	± 9.6 %
		Y	3.27	70.62	18.68		150.0	
		Z	3.32	71.00	18.68		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	25.61	107.79	33.43	6.02	65.0	± 9.6 %
		Y	22.14	106.45	33.18		65.0	
		Z	23.36	107.08	33.16		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	28.53	105.12	30.95	6.02	65.0	± 9.6 %
		Y	32.15	108.79	32.08		65.0	
		Z	30.18	106.96	31.30		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	22.70	99.68	28.85	6.02	65.0	± 9.6 %
		Y	24.46	102.42	29.70		65.0	
		Z	22.92	100.73	28.97		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.21	70.03	19.54	3.01	150.0	± 9.6 %
		Y	2.92	68.68	18.89		150.0	
		Z	2.93	68.89	18.85		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	4.48	76.16	21.99	3.01	150.0	± 9.6 %
		Y	3.92	74.53	21.39		150.0	
		Z	3.95	74.68	21.24		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.23	70.18	19.63	3.01	150.0	± 9.6 %
		Y	2.94	68.82	18.99		150.0	
		Z	2.95	69.02	18.93		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	4.43	75.93	21.86	3.01	150.0	± 9.6 %
		Y	3.88	74.30	21.26		150.0	
		Z	3.92	74.49	21.13		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.09	74.17	20.60	3.01	150.0	± 9.6 %
		Y	3.57	72.47	19.91		150.0	
		Z	3.61	72.76	19.84		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	3.74	72.28	19.40	3.01	150.0	± 9.6 %
		Y	3.26	70.55	18.63		150.0	
		Z	3.31	70.94	18.64		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.23	70.16	19.62	3.01	150.0	± 9.6 %
		Y	2.94	68.81	18.98		150.0	
		Z	2.94	69.01	18.92		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	4.42	75.91	21.85	3.01	150.0	± 9.6 %
		Y	3.87	74.28	21.25		150.0	
		Z	3.91	74.47	21.12		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.73	72.25	19.39	3.01	150.0	± 9.6 %
		Y	3.25	70.53	18.62		150.0	
		Z	3.31	70.92	18.63		150.0	

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.24	70.20	19.64	3.01	150.0	± 9.6 %
		Y	2.95	68.85	19.00		150.0	
		Z	2.95	69.05	18.94		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	4.44	75.97	21.89	3.01	150.0	± 9.6 %
		Y	3.89	74.35	21.29		150.0	
		Z	3.93	74.54	21.15		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	3.75	72.32	19.42	3.01	150.0	± 9.6 %
		Y	3.27	70.59	18.65		150.0	
		Z	3.32	70.99	18.66		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.25	70.25	19.70	3.01	150.0	± 9.6 %
		Y	2.96	68.90	19.06		150.0	
		Z	2.96	69.09	19.00		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.58	76.60	22.24	3.01	150.0	± 9.6 %
		Y	4.01	74.99	21.66		150.0	
		Z	4.04	75.11	21.49		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.83	72.73	19.68	3.01	150.0	± 9.6 %
		Y	3.34	71.00	18.93		150.0	
		Z	3.39	71.37	18.92		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.62	66.80	16.33	0.00	150.0	± 9.6 %
		Y	4.53	66.52	16.07		150.0	
		Z	4.53	66.76	16.19		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.81	67.15	16.45	0.00	150.0	± 9.6 %
		Y	4.70	66.84	16.20		150.0	
		Z	4.71	67.08	16.32		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.85	67.17	16.46	0.00	150.0	± 9.6 %
		Y	4.75	66.88	16.22		150.0	
		Z	4.75	67.11	16.34		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.64	66.89	16.36	0.00	150.0	± 9.6 %
		Y	4.53	66.59	16.09		150.0	
		Z	4.54	66.82	16.21		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.83	67.17	16.47	0.00	150.0	± 9.6 %
		Y	4.72	66.87	16.21		150.0	
		Z	4.72	67.10	16.33		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.86	67.19	16.48	0.00	150.0	± 9.6 %
		Y	4.75	66.90	16.23		150.0	
		Z	4.75	67.13	16.35		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.58	66.90	16.32	0.00	150.0	± 9.6 %
		Y	4.48	66.59	16.05		150.0	
		Z	4.49	66.83	16.17		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.82	67.15	16.46	0.00	150.0	± 9.6 %
		Y	4.71	66.84	16.21		150.0	
		Z	4.71	67.07	16.32		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.86	67.12	16.46	0.00	150.0	± 9.6 %
		Y	4.76	66.83	16.22		150.0	
		Z	4.76	67.06	16.33		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.19	67.37	16.59	0.00	150.0	± 9.6 %
		Y	5.09	67.05	16.35		150.0	
		Z	5.09	67.25	16.45		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.52	67.63	16.74	0.00	150.0	± 9.6 %
		Y	5.42	67.33	16.53		150.0	
		Z	5.40	67.49	16.60		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.23	67.46	16.56	0.00	150.0	± 9.6 %
		Y	5.14	67.16	16.34		150.0	
		Z	5.13	67.36	16.43		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.89	66.40	15.64	0.00	150.0	± 9.6 %
		Y	2.77	65.79	15.06		150.0	
		Z	2.80	66.23	15.32		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	30.12	106.23	31.36	6.02	65.0	± 9.6 %
		Y	34.82	110.42	32.62		65.0	
		Z	32.27	108.32	31.77		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	24.97	101.48	29.46	6.02	65.0	± 9.6 %
		Y	29.42	105.79	30.75		65.0	
		Z	27.01	103.63	29.87		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	29.67	111.13	34.49	6.02	65.0	± 9.6 %
		Y	27.16	110.89	34.56		65.0	
		Z	28.51	111.32	34.46		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	28.56	105.12	30.96	6.02	65.0	± 9.6 %
		Y	32.23	108.82	32.10		65.0	
		Z	30.23	106.98	31.31		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	23.87	100.59	29.13	6.02	65.0	± 9.6 %
		Y	27.48	104.47	30.31		65.0	
		Z	25.51	102.53	29.49		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	28.15	109.97	34.08	6.02	65.0	± 9.6 %
		Y	25.42	109.44	34.06		65.0	
		Z	26.84	110.01	34.01		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	28.55	105.12	30.96	6.02	65.0	± 9.6 %
		Y	32.22	108.83	32.10		65.0	
		Z	30.23	106.99	31.32		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	23.88	100.61	29.14	6.02	65.0	± 9.6 %
		Y	27.47	104.47	30.31		65.0	
		Z	25.50	102.54	29.49		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	26.72	108.74	33.63	6.02	65.0	± 9.6 %
		Y	23.94	108.04	33.55		65.0	
		Z	25.35	108.68	33.52		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	28.64	105.19	30.98	6.02	65.0	± 9.6 %
		Y	32.35	108.91	32.12		65.0	
		Z	30.34	107.07	31.34		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	24.09	100.74	29.17	6.02	65.0	± 9.6 %
		Y	27.77	104.64	30.35		65.0	
		Z	25.76	102.69	29.53		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	28.42	110.18	34.15	6.02	65.0	± 9.6 %
		Y	25.64	109.64	34.12		65.0	
		Z	27.09	110.23	34.07		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	28.55	105.14	30.97	6.02	65.0	± 9.6 %
		Y	32.21	108.84	32.10		65.0	
		Z	30.22	107.00	31.32		65.0	

10239-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	23.87	100.62	29.14	6.02	65.0	± 9.6 %
		Y	27.45	104.48	30.31		65.0	
		Z	25.49	102.55	29.50		65.0	
10240-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	28.32	110.12	34.13	6.02	65.0	± 9.6 %
		Y	25.54	109.58	34.10		65.0	
		Z	27.00	110.17	34.06		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	12.01	86.44	27.50	6.98	65.0	± 9.6 %
		Y	11.32	86.10	27.36		65.0	
		Z	11.85	87.07	27.59		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	11.22	84.92	26.83	6.98	65.0	± 9.6 %
		Y	10.54	84.52	26.66		65.0	
		Z	10.96	85.36	26.86		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	9.36	82.71	26.86	6.98	65.0	± 9.6 %
		Y	8.68	81.81	26.47		65.0	
		Z	9.04	82.81	26.78		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	9.20	80.16	20.97	3.98	65.0	± 9.6 %
		Y	8.90	79.99	20.57		65.0	
		Z	8.43	78.77	19.85		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	9.05	79.64	20.72	3.98	65.0	± 9.6 %
		Y	8.67	79.32	20.26		65.0	
		Z	8.23	78.16	19.56		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	9.25	82.90	21.89	3.98	65.0	± 9.6 %
		Y	8.35	81.34	20.87		65.0	
		Z	8.83	82.25	21.22		65.0	
10247-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	7.67	77.68	20.47	3.98	65.0	± 9.6 %
		Y	7.14	76.72	19.73		65.0	
		Z	7.35	77.20	19.90		65.0	
10248-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	7.65	77.19	20.27	3.98	65.0	± 9.6 %
		Y	7.09	76.18	19.49		65.0	
		Z	7.28	76.65	19.67		65.0	
10249-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	10.28	84.91	23.29	3.98	65.0	± 9.6 %
		Y	9.73	84.22	22.70		65.0	
		Z	10.33	85.25	23.10		65.0	
10250-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.56	79.63	22.54	3.98	65.0	± 9.6 %
		Y	8.21	79.30	22.21		65.0	
		Z	8.43	79.79	22.40		65.0	
10251-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	8.13	77.62	21.46	3.98	65.0	± 9.6 %
		Y	7.72	77.06	21.01		65.0	
		Z	7.94	77.62	21.25		65.0	
10252-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	10.04	83.94	23.64	3.98	65.0	± 9.6 %
		Y	9.73	83.79	23.39		65.0	
		Z	10.22	84.72	23.77		65.0	
10253-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	8.03	76.66	21.37	3.98	65.0	± 9.6 %
		Y	7.66	76.16	21.00		65.0	
		Z	7.86	76.71	21.24		65.0	
10254-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.40	77.39	21.95	3.98	65.0	± 9.6 %
		Y	8.07	77.03	21.65		65.0	
		Z	8.26	77.52	21.85		65.0	

10255-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	8.96	80.36	22.51	3.98	65.0	± 9.6 %
		Y	8.65	80.17	22.31		65.0	
		Z	8.98	80.90	22.62		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	8.08	77.70	19.21	3.98	65.0	± 9.6 %
		Y	7.41	76.61	18.34		65.0	
		Z	6.97	75.37	17.59		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	7.88	76.96	18.83	3.98	65.0	± 9.6 %
		Y	7.14	75.71	17.88		65.0	
		Z	6.75	74.57	17.17		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	7.78	79.64	20.06	3.98	65.0	± 9.6 %
		Y	6.62	77.19	18.57		65.0	
		Z	6.94	77.88	18.85		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	8.02	78.38	21.20	3.98	65.0	± 9.6 %
		Y	7.56	77.67	20.62		65.0	
		Z	7.78	78.17	20.80		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	8.03	78.09	21.10	3.98	65.0	± 9.6 %
		Y	7.56	77.37	20.51		65.0	
		Z	7.76	77.83	20.68		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	9.78	83.86	23.23	3.98	65.0	± 9.6 %
		Y	9.31	83.32	22.75		65.0	
		Z	9.82	84.29	23.13		65.0	
10262-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.55	79.59	22.50	3.98	65.0	± 9.6 %
		Y	8.20	79.24	22.17		65.0	
		Z	8.42	79.74	22.36		65.0	
10263-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	8.12	77.61	21.45	3.98	65.0	± 9.6 %
		Y	7.71	77.05	21.01		65.0	
		Z	7.93	77.61	21.24		65.0	
10264-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	9.97	83.80	23.57	3.98	65.0	± 9.6 %
		Y	9.64	83.61	23.31		65.0	
		Z	10.14	84.55	23.69		65.0	
10265-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	8.24	77.24	21.58	3.98	65.0	± 9.6 %
		Y	7.84	76.71	21.22		65.0	
		Z	8.05	77.25	21.47		65.0	
10266-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	8.60	77.95	22.20	3.98	65.0	± 9.6 %
		Y	8.26	77.60	21.93		65.0	
		Z	8.45	78.09	22.14		65.0	
10267-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	9.23	80.67	22.41	3.98	65.0	± 9.6 %
		Y	8.93	80.49	22.22		65.0	
		Z	9.26	81.21	22.53		65.0	
10268-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.68	76.70	21.72	3.98	65.0	± 9.6 %
		Y	8.35	76.33	21.48		65.0	
		Z	8.51	76.76	21.67		65.0	
10269-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	8.61	76.29	21.63	3.98	65.0	± 9.6 %
		Y	8.29	75.93	21.38		65.0	
		Z	8.44	76.36	21.57		65.0	
10270-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	8.72	77.95	21.49	3.98	65.0	± 9.6 %
		Y	8.44	77.75	21.34		65.0	
		Z	8.65	78.26	21.56		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.65	66.73	15.53	0.00	150.0	± 9.6 %
		Y	2.53	66.00	14.87		150.0	
		Z	2.58	66.59	15.22		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.72	68.93	16.16	0.00	150.0	± 9.6 %
		Y	1.51	66.78	14.69		150.0	
		Z	1.61	68.10	15.52		150.0	
10277-CAA	PHS (QPSK)	X	5.72	69.80	14.27	9.03	50.0	± 9.6 %
		Y	4.91	67.88	12.66		50.0	
		Z	5.15	68.54	13.15		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	8.85	78.92	20.42	9.03	50.0	± 9.6 %
		Y	7.98	77.31	19.14		50.0	
		Z	8.11	77.47	19.29		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	8.99	79.11	20.50	9.03	50.0	± 9.6 %
		Y	8.10	77.48	19.23		50.0	
		Z	8.23	77.64	19.38		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.69	70.53	15.18	0.00	150.0	± 9.6 %
		Y	1.25	66.50	12.56		150.0	
		Z	1.40	68.36	13.59		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.95	67.48	13.64	0.00	150.0	± 9.6 %
		Y	0.72	63.92	10.97		150.0	
		Z	0.79	65.48	12.01		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	1.29	72.80	16.48	0.00	150.0	± 9.6 %
		Y	0.83	66.41	12.61		150.0	
		Z	1.02	69.60	14.38		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	2.10	80.21	19.93	0.00	150.0	± 9.6 %
		Y	1.10	70.20	14.87		150.0	
		Z	1.60	75.99	17.57		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	11.30	84.68	24.49	9.03	50.0	± 9.6 %
		Y	11.80	85.70	24.41		50.0	
		Z	11.89	85.73	24.46		50.0	
10297-AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.91	70.44	16.97	0.00	150.0	± 9.6 %
		Y	2.65	68.85	16.01		150.0	
		Z	2.75	69.79	16.57		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.77	69.10	15.14	0.00	150.0	± 9.6 %
		Y	1.44	66.22	13.11		150.0	
		Z	1.53	67.54	13.87		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.44	73.52	16.85	0.00	150.0	± 9.6 %
		Y	2.88	71.29	15.45		150.0	
		Z	2.69	70.29	14.69		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.46	67.83	13.54	0.00	150.0	± 9.6 %
		Y	2.09	66.06	12.24		150.0	
		Z	1.99	65.57	11.71		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	5.88	68.88	19.16	4.17	80.0	± 9.6 %
		Y	5.51	67.81	18.47		80.0	
		Z	5.71	68.72	18.91		80.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	6.37	69.56	19.96	4.96	80.0	± 9.6 %
		Y	5.98	68.32	19.14		80.0	
		Z	6.20	69.38	19.70		80.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	6.25	69.73	20.05	4.96	80.0	± 9.6 %
		Y	5.81	68.31	19.13		80.0	
		Z	6.05	69.46	19.73		80.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.83	68.83	19.14	4.17	80.0	± 9.6 %
		Y	5.47	67.66	18.36		80.0	
		Z	5.67	68.66	18.87		80.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	11.59	87.86	28.59	6.02	50.0	± 9.6 %
		Y	8.30	80.20	25.07		50.0	
		Z	10.73	86.12	27.50		50.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	6.95	73.41	22.40	6.02	50.0	± 9.6 %
		Y	6.70	73.81	22.62		50.0	
		Z	6.66	72.86	21.87		50.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	7.11	74.28	22.59	6.02	50.0	± 9.6 %
		Y	6.93	74.97	22.97		50.0	
		Z	6.77	73.56	22.00		50.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	7.22	74.85	22.86	6.02	50.0	± 9.6 %
		Y	7.08	75.70	23.30		50.0	
		Z	8.15	79.17	24.90		50.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	7.08	73.79	22.60	6.02	50.0	± 9.6 %
		Y	6.82	74.15	22.80		50.0	
		Z	6.77	73.19	22.06		50.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	7.00	73.73	22.45	6.02	50.0	± 9.6 %
		Y	6.79	74.28	22.75		50.0	
		Z	6.70	73.15	21.91		50.0	
10311-AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.27	69.63	16.57	0.00	150.0	± 9.6 %
		Y	2.99	68.15	15.70		150.0	
		Z	3.10	69.03	16.20		150.0	
10313-AAA	iDEN 1:3	X	7.67	78.82	19.03	6.99	70.0	± 9.6 %
		Y	6.82	77.24	18.08		70.0	
		Z	7.52	78.71	18.78		70.0	
10314-AAA	iDEN 1:6	X	9.54	84.04	23.30	10.00	30.0	± 9.6 %
		Y	9.16	83.89	22.95		30.0	
		Z	9.80	84.95	23.44		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.17	65.05	15.97	0.17	150.0	± 9.6 %
		Y	1.09	63.78	14.85		150.0	
		Z	1.13	64.61	15.50		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.73	67.02	16.56	0.17	150.0	± 9.6 %
		Y	4.63	66.73	16.31		150.0	
		Z	4.64	66.97	16.43		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.73	67.02	16.56	0.17	150.0	± 9.6 %
		Y	4.63	66.73	16.31		150.0	
		Z	4.64	66.97	16.43		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.82	67.23	16.46	0.00	150.0	± 9.6 %
		Y	4.70	66.92	16.20		150.0	
		Z	4.70	67.16	16.33		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.50	67.42	16.62	0.00	150.0	± 9.6 %
		Y	5.45	67.29	16.49		150.0	
		Z	5.44	67.46	16.57		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.77	67.80	16.65	0.00	150.0	± 9.6 %
		Y	5.67	67.48	16.43		150.0	
		Z	5.66	67.64	16.50		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.69	70.53	15.18	0.00	115.0	± 9.6 %
		Y	1.25	66.50	12.56		115.0	
		Z	1.40	68.36	13.59		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.69	70.53	15.18	0.00	115.0	± 9.6 %
		Y	1.25	66.50	12.56		115.0	
		Z	1.40	68.36	13.59		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	58.29	119.52	31.57	0.00	100.0	± 9.6 %
		Y	82.81	124.83	32.44		100.0	
		Z	53.04	115.96	29.70		100.0	
10410-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	122.33	31.60	3.23	80.0	± 9.6 %
		Y	100.00	122.90	31.55		80.0	
		Z	100.00	121.45	30.83		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.01	63.41	15.03	0.00	150.0	± 9.6 %
		Y	0.96	62.37	13.98		150.0	
		Z	0.99	63.08	14.59		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.63	66.84	16.39	0.00	150.0	± 9.6 %
		Y	4.53	66.56	16.14		150.0	
		Z	4.54	66.80	16.26		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.63	66.84	16.39	0.00	150.0	± 9.6 %
		Y	4.53	66.56	16.14		150.0	
		Z	4.54	66.80	16.26		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.61	66.99	16.40	0.00	150.0	± 9.6 %
		Y	4.52	66.70	16.14		150.0	
		Z	4.53	66.96	16.28		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.64	66.94	16.40	0.00	150.0	± 9.6 %
		Y	4.54	66.66	16.15		150.0	
		Z	4.55	66.91	16.28		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.76	66.95	16.42	0.00	150.0	± 9.6 %
		Y	4.66	66.68	16.18		150.0	
		Z	4.67	66.91	16.30		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.95	67.31	16.55	0.00	150.0	± 9.6 %
		Y	4.83	67.01	16.30		150.0	
		Z	4.83	67.23	16.42		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.86	67.25	16.52	0.00	150.0	± 9.6 %
		Y	4.75	66.95	16.27		150.0	
		Z	4.75	67.18	16.39		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.48	67.66	16.74	0.00	150.0	± 9.6 %
		Y	5.40	67.43	16.55		150.0	
		Z	5.38	67.57	16.61		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.48	67.68	16.74	0.00	150.0	± 9.6 %
		Y	5.41	67.49	16.57		150.0	
		Z	5.39	67.62	16.64		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.49	67.63	16.71	0.00	150.0	± 9.6 %
		Y	5.41	67.41	16.53		150.0	
		Z	5.39	67.56	16.60		150.0	
10430-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.28	70.45	18.15	0.00	150.0	± 9.6 %
		Y	4.15	70.21	17.82		150.0	
		Z	4.17	70.53	17.95		150.0	
10431-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.34	67.42	16.43	0.00	150.0	± 9.6 %
		Y	4.21	67.05	16.09		150.0	
		Z	4.21	67.35	16.24		150.0	
10432-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.63	67.29	16.48	0.00	150.0	± 9.6 %
		Y	4.51	66.97	16.19		150.0	
		Z	4.52	67.23	16.33		150.0	
10433-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.88	67.28	16.54	0.00	150.0	± 9.6 %
		Y	4.77	66.98	16.29		150.0	
		Z	4.77	67.21	16.41		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.37	71.21	18.12	0.00	150.0	± 9.6 %
		Y	4.21	70.88	17.70		150.0	
		Z	4.25	71.29	17.86		150.0	
10435-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.16	31.53	3.23	80.0	± 9.6 %
		Y	100.00	122.71	31.47		80.0	
		Z	100.00	121.26	30.74		80.0	
10447-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.64	67.48	15.86	0.00	150.0	± 9.6 %
		Y	3.47	66.90	15.30		150.0	
		Z	3.50	67.31	15.51		150.0	
10448-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.17	67.19	16.29	0.00	150.0	± 9.6 %
		Y	4.04	66.82	15.93		150.0	
		Z	4.05	67.12	16.10		150.0	
10449-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.43	67.11	16.37	0.00	150.0	± 9.6 %
		Y	4.32	66.77	16.08		150.0	
		Z	4.33	67.04	16.22		150.0	
10450-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.62	67.04	16.39	0.00	150.0	± 9.6 %
		Y	4.52	66.72	16.12		150.0	
		Z	4.52	66.97	16.25		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.56	67.73	15.55	0.00	150.0	± 9.6 %
		Y	3.35	67.01	14.87		150.0	
		Z	3.38	67.45	15.09		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.34	68.21	16.88	0.00	150.0	± 9.6 %
		Y	6.27	67.98	16.71		150.0	
		Z	6.25	68.10	16.76		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.84	65.46	16.11	0.00	150.0	± 9.6 %
		Y	3.77	65.19	15.83		150.0	
		Z	3.79	65.43	15.97		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	4.00	70.46	17.58	0.00	150.0	± 9.6 %
		Y	3.84	70.06	17.04		150.0	
		Z	3.90	70.60	17.26		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	5.11	67.94	18.07	0.00	150.0	± 9.6 %
		Y	5.02	68.02	17.94		150.0	
		Z	5.00	68.15	17.94		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	0.99	70.19	17.21	0.00	150.0	± 9.6 %
		Y	0.79	66.24	14.56		150.0	
		Z	0.89	68.50	16.06		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	125.48	33.13	3.29	80.0	± 9.6 %
		Y	100.00	126.71	33.38		80.0	
		Z	100.00	124.78	32.43		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	111.35	26.37	3.23	80.0	± 9.6 %
		Y	100.00	110.68	25.72		80.0	
		Z	99.96	108.86	24.85		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.43	24.96	3.23	80.0	± 9.6 %
		Y	100.00	107.27	24.09		80.0	
		Z	11.86	83.93	17.98		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.68	32.14	3.23	80.0	± 9.6 %
		Y	100.00	124.66	32.27		80.0	
		Z	100.00	122.71	31.32		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.89	26.14	3.23	80.0	± 9.6 %
		Y	100.00	110.13	25.45		80.0	
		Z	38.00	97.98	22.23		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	66.21	103.47	23.73	3.23	80.0	± 9.6 %
		Y	29.96	94.21	20.95		80.0	
		Z	7.74	79.35	16.55		80.0	
10467-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.89	32.23	3.23	80.0	± 9.6 %
		Y	100.00	124.90	32.38		80.0	
		Z	100.00	122.94	31.42		80.0	
10468-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	111.04	26.21	3.23	80.0	± 9.6 %
		Y	100.00	110.31	25.54		80.0	
		Z	48.22	100.68	22.91		80.0	
10469-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	70.15	104.12	23.88	3.23	80.0	± 9.6 %
		Y	31.63	94.80	21.09		80.0	
		Z	7.88	79.54	16.61		80.0	
10470-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.92	32.24	3.23	80.0	± 9.6 %
		Y	100.00	124.94	32.38		80.0	
		Z	100.00	122.97	31.42		80.0	
10471-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	111.00	26.18	3.23	80.0	± 9.6 %
		Y	100.00	110.26	25.51		80.0	
		Z	47.97	100.58	22.87		80.0	
10472-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	70.92	104.20	23.88	3.23	80.0	± 9.6 %
		Y	31.52	94.72	21.06		80.0	
		Z	7.84	79.47	16.58		80.0	
10473-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.89	32.23	3.23	80.0	± 9.6 %
		Y	100.00	124.91	32.37		80.0	
		Z	100.00	122.94	31.41		80.0	
10474-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	111.01	26.19	3.23	80.0	± 9.6 %
		Y	100.00	110.27	25.51		80.0	
		Z	47.00	100.37	22.82		80.0	
10475-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	68.93	103.90	23.81	3.23	80.0	± 9.6 %
		Y	30.64	94.44	20.99		80.0	
		Z	7.75	79.37	16.55		80.0	

10477-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.85	26.11	3.23	80.0	± 9.6 %
		Y	100.00	110.08	25.42		80.0	
		Z	39.81	98.45	22.33		80.0	
10478-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	66.88	103.53	23.72	3.23	80.0	± 9.6 %
		Y	29.54	94.01	20.87		80.0	
		Z	7.64	79.20	16.49		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	18.61	98.48	27.45	3.23	80.0	± 9.6 %
		Y	25.62	103.89	28.72		80.0	
		Z	19.02	98.49	26.87		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	17.74	92.23	23.95	3.23	80.0	± 9.6 %
		Y	23.09	96.00	24.65		80.0	
		Z	15.42	89.78	22.53		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.70	88.73	22.56	3.23	80.0	± 9.6 %
		Y	17.07	90.84	22.79		80.0	
		Z	11.82	85.36	20.81		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.42	80.34	20.27	2.23	80.0	± 9.6 %
		Y	4.54	75.37	17.94		80.0	
		Z	5.57	78.35	19.09		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	9.52	83.05	21.15	2.23	80.0	± 9.6 %
		Y	9.34	82.78	20.64		80.0	
		Z	7.40	79.15	19.09		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	8.60	81.38	20.58	2.23	80.0	± 9.6 %
		Y	8.20	80.76	19.96		80.0	
		Z	6.69	77.58	18.54		80.0	
10485-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.55	80.98	21.28	2.23	80.0	± 9.6 %
		Y	5.07	77.22	19.53		80.0	
		Z	6.01	79.95	20.60		80.0	
10486-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.00	73.93	18.31	2.23	80.0	± 9.6 %
		Y	4.24	71.65	16.98		80.0	
		Z	4.64	73.10	17.58		80.0	
10487-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.92	73.36	18.08	2.23	80.0	± 9.6 %
		Y	4.20	71.18	16.78		80.0	
		Z	4.56	72.51	17.34		80.0	
10488-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.10	78.52	20.97	2.23	80.0	± 9.6 %
		Y	5.11	75.97	19.78		80.0	
		Z	5.69	77.85	20.57		80.0	
10489-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.95	72.75	18.88	2.23	80.0	± 9.6 %
		Y	4.48	71.40	18.08		80.0	
		Z	4.72	72.41	18.54		80.0	
10490-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.00	72.39	18.75	2.23	80.0	± 9.6 %
		Y	4.55	71.14	18.00		80.0	
		Z	4.78	72.09	18.43		80.0	
10491-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.71	75.50	19.96	2.23	80.0	± 9.6 %
		Y	5.04	73.73	19.09		80.0	
		Z	5.40	75.03	19.67		80.0	
10492-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.12	71.43	18.61	2.23	80.0	± 9.6 %
		Y	4.74	70.41	18.01		80.0	
		Z	4.91	71.17	18.36		80.0	

10493-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.16	71.20	18.53	2.23	80.0	± 9.6 %
		Y	4.79	70.23	17.95		80.0	
		Z	4.96	70.96	18.29		80.0	
10494-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.40	77.43	20.51	2.23	80.0	± 9.6 %
		Y	5.52	75.29	19.53		80.0	
		Z	6.00	76.80	20.18		80.0	
10495-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.21	71.98	18.84	2.23	80.0	± 9.6 %
		Y	4.80	70.86	18.21		80.0	
		Z	4.99	71.64	18.58		80.0	
10496-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.24	71.52	18.69	2.23	80.0	± 9.6 %
		Y	4.85	70.51	18.11		80.0	
		Z	5.02	71.23	18.45		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.89	76.14	17.97	2.23	80.0	± 9.6 %
		Y	3.19	70.40	15.09		80.0	
		Z	3.85	72.91	16.12		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.27	68.15	13.86	2.23	80.0	± 9.6 %
		Y	2.33	64.21	11.42		80.0	
		Z	2.49	65.10	11.84		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.14	67.39	13.40	2.23	80.0	± 9.6 %
		Y	2.26	63.62	11.00		80.0	
		Z	2.39	64.37	11.36		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.12	79.35	20.96	2.23	80.0	± 9.6 %
		Y	4.97	76.32	19.51		80.0	
		Z	5.70	78.62	20.44		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.96	73.36	18.48	2.23	80.0	± 9.6 %
		Y	4.36	71.58	17.41		80.0	
		Z	4.68	72.83	17.95		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.98	73.06	18.32	2.23	80.0	± 9.6 %
		Y	4.39	71.34	17.27		80.0	
		Z	4.70	72.53	17.78		80.0	
10503-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.02	78.31	20.87	2.23	80.0	± 9.6 %
		Y	5.05	75.75	19.68		80.0	
		Z	5.61	77.63	20.47		80.0	
10504-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.93	72.67	18.83	2.23	80.0	± 9.6 %
		Y	4.45	71.30	18.03		80.0	
		Z	4.70	72.32	18.48		80.0	
10505-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.97	72.30	18.70	2.23	80.0	± 9.6 %
		Y	4.52	71.04	17.95		80.0	
		Z	4.75	71.99	18.37		80.0	
10506-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.35	77.28	20.44	2.23	80.0	± 9.6 %
		Y	5.48	75.14	19.46		80.0	
		Z	5.95	76.64	20.11		80.0	
10507-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.19	71.92	18.80	2.23	80.0	± 9.6 %
		Y	4.78	70.80	18.18		80.0	
		Z	4.97	71.58	18.54		80.0	

10508-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.22	71.46	18.65	2.23	80.0	± 9.6 %
		Y	4.84	70.44	18.07		80.0	
		Z	5.01	71.16	18.41		80.0	
10509-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.16	74.73	19.49	2.23	80.0	± 9.6 %
		Y	5.55	73.22	18.76		80.0	
		Z	5.87	74.29	19.25		80.0	
10510-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.58	71.18	18.59	2.23	80.0	± 9.6 %
		Y	5.22	70.26	18.08		80.0	
		Z	5.37	70.88	18.37		80.0	
10511-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.59	70.81	18.48	2.23	80.0	± 9.6 %
		Y	5.25	69.96	18.01		80.0	
		Z	5.39	70.55	18.28		80.0	
10512-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.77	76.89	20.15	2.23	80.0	± 9.6 %
		Y	5.92	74.92	19.26		80.0	
		Z	6.37	76.26	19.84		80.0	
10513-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.53	71.68	18.77	2.23	80.0	± 9.6 %
		Y	5.14	70.63	18.21		80.0	
		Z	5.30	71.30	18.53		80.0	
10514-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.48	71.10	18.60	2.23	80.0	± 9.6 %
		Y	5.12	70.15	18.08		80.0	
		Z	5.27	70.77	18.37		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.97	63.65	15.12	0.00	150.0	± 9.6 %
		Y	0.92	62.50	14.00		150.0	
		Z	0.95	63.27	14.65		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.79	75.90	19.78	0.00	150.0	± 9.6 %
		Y	0.49	67.25	14.66		150.0	
		Z	0.62	71.59	17.42		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.85	66.16	16.04	0.00	150.0	± 9.6 %
		Y	0.75	63.97	14.23		150.0	
		Z	0.80	65.28	15.27		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.62	66.92	16.37	0.00	150.0	± 9.6 %
		Y	4.52	66.63	16.11		150.0	
		Z	4.53	66.88	16.24		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.83	67.19	16.50	0.00	150.0	± 9.6 %
		Y	4.71	66.89	16.25		150.0	
		Z	4.71	67.12	16.36		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.68	67.16	16.43	0.00	150.0	± 9.6 %
		Y	4.56	66.83	16.16		150.0	
		Z	4.57	67.07	16.28		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.61	67.16	16.41	0.00	150.0	± 9.6 %
		Y	4.49	66.82	16.13		150.0	
		Z	4.50	67.06	16.26		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.66	67.20	16.48	0.00	150.0	± 9.6 %
		Y	4.55	66.91	16.22		150.0	
		Z	4.56	67.16	16.35		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.53	67.06	16.32	0.00	150.0	± 9.6 %
		Y	4.43	66.75	16.05		150.0	
		Z	4.44	67.02	16.19		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.61	67.14	16.45	0.00	150.0	± 9.6 %
		Y	4.50	66.83	16.19		150.0	
		Z	4.50	67.08	16.32		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.58	66.16	16.03	0.00	150.0	± 9.6 %
		Y	4.48	65.85	15.77		150.0	
		Z	4.49	66.11	15.90		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.77	66.55	16.18	0.00	150.0	± 9.6 %
		Y	4.65	66.23	15.92		150.0	
		Z	4.66	66.48	16.05		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.69	66.52	16.13	0.00	150.0	± 9.6 %
		Y	4.57	66.18	15.85		150.0	
		Z	4.58	66.44	15.99		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.70	66.54	16.16	0.00	150.0	± 9.6 %
		Y	4.59	66.20	15.89		150.0	
		Z	4.59	66.46	16.02		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.70	66.54	16.16	0.00	150.0	± 9.6 %
		Y	4.59	66.20	15.89		150.0	
		Z	4.59	66.46	16.02		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.71	66.67	16.19	0.00	150.0	± 9.6 %
		Y	4.58	66.30	15.90		150.0	
		Z	4.59	66.56	16.03		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.56	66.53	16.12	0.00	150.0	± 9.6 %
		Y	4.44	66.14	15.82		150.0	
		Z	4.45	66.41	15.96		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.71	66.57	16.14	0.00	150.0	± 9.6 %
		Y	4.60	66.24	15.87		150.0	
		Z	4.60	66.51	16.01		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.23	66.67	16.22	0.00	150.0	± 9.6 %
		Y	5.14	66.38	16.00		150.0	
		Z	5.14	66.58	16.10		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.31	66.84	16.29	0.00	150.0	± 9.6 %
		Y	5.22	66.58	16.09		150.0	
		Z	5.21	66.78	16.19		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.17	66.80	16.25	0.00	150.0	± 9.6 %
		Y	5.07	66.49	16.02		150.0	
		Z	5.07	66.71	16.13		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.24	66.78	16.25	0.00	150.0	± 9.6 %
		Y	5.13	66.47	16.02		150.0	
		Z	5.13	66.67	16.12		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.34	66.83	16.31	0.00	150.0	± 9.6 %
		Y	5.23	66.51	16.08		150.0	
		Z	5.22	66.70	16.17		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.25	66.81	16.32	0.00	150.0	± 9.6 %
		Y	5.16	66.53	16.10		150.0	
		Z	5.16	66.73	16.20		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.22	66.67	16.24	0.00	150.0	± 9.6 %
		Y	5.13	66.37	16.02		150.0	
		Z	5.13	66.58	16.12		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.38	66.75	16.30	0.00	150.0	± 9.6 %
		Y	5.29	66.46	16.08		150.0	
		Z	5.28	66.65	16.17		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.47	66.79	16.33	0.00	150.0	± 9.6 %
		Y	5.38	66.54	16.14		150.0	
		Z	5.36	66.70	16.22		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.53	66.76	16.20	0.00	150.0	± 9.6 %
		Y	5.45	66.49	16.00		150.0	
		Z	5.45	66.68	16.09		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.75	67.24	16.38	0.00	150.0	± 9.6 %
		Y	5.67	66.99	16.20		150.0	
		Z	5.66	67.15	16.27		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.62	67.04	16.30	0.00	150.0	± 9.6 %
		Y	5.52	66.72	16.08		150.0	
		Z	5.52	66.90	16.16		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.71	67.13	16.33	0.00	150.0	± 9.6 %
		Y	5.60	66.78	16.10		150.0	
		Z	5.59	66.94	16.17		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	6.09	68.45	16.97	0.00	150.0	± 9.6 %
		Y	5.98	68.09	16.72		150.0	
		Z	5.90	68.06	16.71		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.64	67.01	16.29	0.00	150.0	± 9.6 %
		Y	5.56	66.76	16.11		150.0	
		Z	5.55	66.94	16.19		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.64	67.06	16.28	0.00	150.0	± 9.6 %
		Y	5.55	66.75	16.06		150.0	
		Z	5.55	66.95	16.16		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.55	66.82	16.17	0.00	150.0	± 9.6 %
		Y	5.46	66.53	15.96		150.0	
		Z	5.46	66.74	16.06		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.64	66.88	16.23	0.00	150.0	± 9.6 %
		Y	5.54	66.58	16.02		150.0	
		Z	5.54	66.77	16.11		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.94	67.15	16.30	0.00	150.0	± 9.6 %
		Y	5.87	66.87	16.10		150.0	
		Z	5.86	67.05	16.18		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.09	67.49	16.44	0.00	150.0	± 9.6 %
		Y	6.01	67.23	16.26		150.0	
		Z	6.00	67.38	16.32		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.10	67.52	16.45	0.00	150.0	± 9.6 %
		Y	6.02	67.25	16.26		150.0	
		Z	6.02	67.42	16.34		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.08	67.44	16.43	0.00	150.0	± 9.6 %
		Y	5.99	67.15	16.23		150.0	
		Z	5.98	67.31	16.30		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.14	67.64	16.55	0.00	150.0	± 9.6 %
		Y	6.04	67.32	16.33		150.0	
		Z	6.03	67.48	16.40		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.12	67.44	16.49	0.00	150.0	± 9.6 %
		Y	6.03	67.14	16.28		150.0	
		Z	6.02	67.31	16.36		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	6.04	67.43	16.52	0.00	150.0	± 9.6 %
		Y	5.96	67.14	16.32		150.0	
		Z	5.95	67.31	16.39		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.21	67.94	16.77	0.00	150.0	± 9.6 %
		Y	6.10	67.58	16.54		150.0	
		Z	6.08	67.71	16.59		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.62	68.71	17.11	0.00	150.0	± 9.6 %
		Y	6.41	68.12	16.77		150.0	
		Z	6.30	68.01	16.70		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.97	67.05	16.56	0.46	150.0	± 9.6 %
		Y	4.87	66.78	16.32		150.0	
		Z	4.87	67.01	16.43		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	5.21	67.51	16.88	0.46	150.0	± 9.6 %
		Y	5.10	67.22	16.64		150.0	
		Z	5.10	67.43	16.74		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	5.05	67.38	16.71	0.46	150.0	± 9.6 %
		Y	4.93	67.07	16.45		150.0	
		Z	4.93	67.29	16.57		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	5.07	67.74	17.03	0.46	150.0	± 9.6 %
		Y	4.96	67.43	16.79		150.0	
		Z	4.96	67.65	16.90		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.97	67.18	16.50	0.46	150.0	± 9.6 %
		Y	4.86	66.88	16.25		150.0	
		Z	4.86	67.13	16.38		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	5.02	67.78	17.06	0.46	150.0	± 9.6 %
		Y	4.91	67.51	16.84		150.0	
		Z	4.92	67.74	16.95		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	5.06	67.64	17.01	0.46	150.0	± 9.6 %
		Y	4.95	67.38	16.79		150.0	
		Z	4.95	67.60	16.90		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.37	66.59	16.71	0.46	130.0	± 9.6 %
		Y	1.26	65.12	15.54		130.0	
		Z	1.32	66.08	16.22		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.39	67.31	17.11	0.46	130.0	± 9.6 %
		Y	1.28	65.71	15.88		130.0	
		Z	1.34	66.74	16.60		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	17.13	116.23	31.59	0.46	130.0	± 9.6 %
		Y	2.44	84.17	21.35		130.0	
		Z	6.44	100.05	26.86		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.76	75.21	20.71	0.46	130.0	± 9.6 %
		Y	1.45	71.43	18.52		130.0	
		Z	1.62	73.67	19.79		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.79	66.95	16.68	0.46	130.0	± 9.6 %
		Y	4.69	66.67	16.43		130.0	
		Z	4.69	66.91	16.55		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.81	67.10	16.73	0.46	130.0	± 9.6 %
		Y	4.71	66.83	16.49		130.0	
		Z	4.72	67.06	16.60		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	5.03	67.41	16.91	0.46	130.0	± 9.6 %
		Y	4.92	67.12	16.66		130.0	
		Z	4.92	67.34	16.77		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.93	67.56	17.00	0.46	130.0	± 9.6 %
		Y	4.81	67.27	16.75		130.0	
		Z	4.82	67.49	16.86		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.71	66.96	16.38	0.46	130.0	± 9.6 %
		Y	4.59	66.61	16.09		130.0	
		Z	4.60	66.86	16.22		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.76	66.97	16.40	0.46	130.0	± 9.6 %
		Y	4.64	66.65	16.11		130.0	
		Z	4.64	66.90	16.25		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.83	67.64	16.95	0.46	130.0	± 9.6 %
		Y	4.71	67.32	16.69		130.0	
		Z	4.72	67.56	16.81		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.66	66.74	16.19	0.46	130.0	± 9.6 %
		Y	4.54	66.39	15.89		130.0	
		Z	4.54	66.64	16.03		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.79	66.95	16.68	0.46	130.0	± 9.6 %
		Y	4.69	66.67	16.43		130.0	
		Z	4.69	66.91	16.55		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.81	67.10	16.73	0.46	130.0	± 9.6 %
		Y	4.71	66.83	16.49		130.0	
		Z	4.72	67.06	16.60		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	5.03	67.41	16.91	0.46	130.0	± 9.6 %
		Y	4.92	67.12	16.66		130.0	
		Z	4.92	67.34	16.77		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.93	67.56	17.00	0.46	130.0	± 9.6 %
		Y	4.81	67.27	16.75		130.0	
		Z	4.82	67.49	16.86		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.71	66.96	16.38	0.46	130.0	± 9.6 %
		Y	4.59	66.61	16.09		130.0	
		Z	4.60	66.86	16.22		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.76	66.97	16.40	0.46	130.0	± 9.6 %
		Y	4.64	66.65	16.11		130.0	
		Z	4.64	66.90	16.25		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.83	67.64	16.95	0.46	130.0	± 9.6 %
		Y	4.71	67.32	16.69		130.0	
		Z	4.72	67.56	16.81		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.66	66.74	16.19	0.46	130.0	± 9.6 %
		Y	4.54	66.39	15.89		130.0	
		Z	4.54	66.64	16.03		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.93	66.98	16.76	0.46	130.0	± 9.6 %
		Y	4.84	66.73	16.53		130.0	
		Z	4.84	66.95	16.64		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.10	67.33	16.89	0.46	130.0	± 9.6 %
		Y	4.99	67.06	16.66		130.0	
		Z	4.99	67.28	16.77		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.03	67.27	16.79	0.46	130.0	± 9.6 %
		Y	4.92	66.98	16.54		130.0	
		Z	4.92	67.20	16.65		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	5.08	67.42	16.93	0.46	130.0	± 9.6 %
		Y	4.97	67.14	16.70		130.0	
		Z	4.97	67.36	16.80		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	5.05	67.38	16.83	0.46	130.0	± 9.6 %
		Y	4.94	67.10	16.59		130.0	
		Z	4.94	67.32	16.70		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.99	67.40	16.85	0.46	130.0	± 9.6 %
		Y	4.88	67.10	16.60		130.0	
		Z	4.88	67.34	16.72		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.94	67.32	16.74	0.46	130.0	± 9.6 %
		Y	4.83	67.01	16.48		130.0	
		Z	4.83	67.24	16.60		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.92	67.54	16.99	0.46	130.0	± 9.6 %
		Y	4.81	67.23	16.73		130.0	
		Z	4.81	67.45	16.84		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.61	67.56	16.97	0.46	130.0	± 9.6 %
		Y	5.52	67.33	16.78		130.0	
		Z	5.52	67.51	16.86		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.83	68.25	17.29	0.46	130.0	± 9.6 %
		Y	5.73	67.98	17.09		130.0	
		Z	5.68	68.03	17.10		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.67	67.85	17.10	0.46	130.0	± 9.6 %
		Y	5.58	67.60	16.91		130.0	
		Z	5.55	67.72	16.96		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.75	67.84	17.02	0.46	130.0	± 9.6 %
		Y	5.68	67.65	16.85		130.0	
		Z	5.66	67.78	16.92		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.83	68.10	17.27	0.46	130.0	± 9.6 %
		Y	5.74	67.87	17.09		130.0	
		Z	5.72	68.02	17.16		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.61	67.53	16.97	0.46	130.0	± 9.6 %
		Y	5.53	67.28	16.78		130.0	
		Z	5.52	67.47	16.87		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.75	67.94	17.19	0.46	130.0	± 9.6 %
		Y	5.68	67.77	17.03		130.0	
		Z	5.66	67.89	17.09		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.49	67.29	16.73	0.46	130.0	± 9.6 %
		Y	5.41	67.06	16.53		130.0	
		Z	5.38	67.16	16.58		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.77	66.28	16.37	0.46	130.0	± 9.6 %
		Y	4.67	66.00	16.12		130.0	
		Z	4.67	66.24	16.25		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.97	66.70	16.53	0.46	130.0	± 9.6 %
		Y	4.85	66.40	16.29		130.0	
		Z	4.86	66.65	16.41		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.86	66.58	16.39	0.46	130.0	± 9.6 %
		Y	4.74	66.26	16.13		130.0	
		Z	4.75	66.51	16.26		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.91	66.72	16.54	0.46	130.0	± 9.6 %
		Y	4.79	66.41	16.29		130.0	
		Z	4.80	66.66	16.41		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.83	66.55	16.41	0.46	130.0	± 9.6 %
		Y	4.71	66.23	16.14		130.0	
		Z	4.72	66.48	16.27		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.85	66.73	16.46	0.46	130.0	± 9.6 %
		Y	4.72	66.39	16.19		130.0	
		Z	4.73	66.65	16.32		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.86	66.64	16.36	0.46	130.0	± 9.6 %
		Y	4.73	66.28	16.08		130.0	
		Z	4.74	66.53	16.21		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.79	66.79	16.56	0.46	130.0	± 9.6 %
		Y	4.67	66.44	16.29		130.0	
		Z	4.67	66.69	16.42		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.84	66.40	16.20	0.46	130.0	± 9.6 %
		Y	4.72	66.07	15.93		130.0	
		Z	4.72	66.33	16.07		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.42	66.80	16.56	0.46	130.0	± 9.6 %
		Y	5.33	66.52	16.36		130.0	
		Z	5.32	66.71	16.44		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.49	66.95	16.61	0.46	130.0	± 9.6 %
		Y	5.41	66.76	16.45		130.0	
		Z	5.40	66.93	16.53		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.38	66.99	16.64	0.46	130.0	± 9.6 %
		Y	5.28	66.71	16.44		130.0	
		Z	5.28	66.90	16.53		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.41	66.83	16.51	0.46	130.0	± 9.6 %
		Y	5.32	66.57	16.30		130.0	
		Z	5.31	66.75	16.39		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.51	66.90	16.59	0.46	130.0	± 9.6 %
		Y	5.40	66.60	16.37		130.0	
		Z	5.39	66.77	16.45		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.48	66.93	16.71	0.46	130.0	± 9.6 %
		Y	5.39	66.68	16.52		130.0	
		Z	5.38	66.86	16.61		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.50	67.12	16.80	0.46	130.0	± 9.6 %
		Y	5.42	66.91	16.63		130.0	
		Z	5.40	67.05	16.70		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.37	66.65	16.45	0.46	130.0	± 9.6 %
		Y	5.28	66.39	16.25		130.0	
		Z	5.28	66.58	16.34		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.57	66.87	16.62	0.46	130.0	± 9.6 %
		Y	5.48	66.61	16.42		130.0	
		Z	5.47	66.77	16.50		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.04	68.14	17.31	0.46	130.0	± 9.6 %
		Y	5.92	67.83	17.08		130.0	
		Z	5.86	67.85	17.09		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.69	66.81	16.49	0.46	130.0	± 9.6 %
		Y	5.62	66.57	16.31		130.0	
		Z	5.62	66.75	16.39		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.97	67.48	16.78	0.46	130.0	± 9.6 %
		Y	5.90	67.27	16.62		130.0	
		Z	5.88	67.40	16.68		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.76	67.00	16.48	0.46	130.0	± 9.6 %
		Y	5.67	66.72	16.28		130.0	
		Z	5.66	66.88	16.36		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.84	67.06	16.50	0.46	130.0	± 9.6 %
		Y	5.77	66.85	16.34		130.0	
		Z	5.74	66.97	16.39		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.51	69.24	17.59	0.46	130.0	± 9.6 %
		Y	6.40	68.89	17.35		130.0	
		Z	6.28	68.76	17.29		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.25	68.57	17.44	0.46	130.0	± 9.6 %
		Y	6.12	68.19	17.19		130.0	
		Z	6.08	68.24	17.21		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.92	67.46	16.90	0.46	130.0	± 9.6 %
		Y	5.86	67.28	16.76		130.0	
		Z	5.84	67.41	16.81		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.82	67.14	16.58	0.46	130.0	± 9.6 %
		Y	5.71	66.81	16.36		130.0	
		Z	5.71	66.98	16.44		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.79	67.13	16.63	0.46	130.0	± 9.6 %
		Y	5.70	66.83	16.42		130.0	
		Z	5.69	67.01	16.50		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.70	66.55	16.10	0.46	130.0	± 9.6 %
		Y	5.59	66.22	15.86		130.0	
		Z	5.59	66.41	15.96		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.11	67.22	16.60	0.46	130.0	± 9.6 %
		Y	6.05	66.97	16.42		130.0	
		Z	6.04	67.12	16.48		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.29	67.65	16.79	0.46	130.0	± 9.6 %
		Y	6.23	67.43	16.63		130.0	
		Z	6.20	67.55	16.68		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.29	67.62	16.76	0.46	130.0	± 9.6 %
		Y	6.23	67.40	16.60		130.0	
		Z	6.20	67.52	16.64		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.27	67.57	16.77	0.46	130.0	± 9.6 %
		Y	6.19	67.29	16.58		130.0	
		Z	6.17	67.43	16.64		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.30	67.66	16.77	0.46	130.0	± 9.6 %
		Y	6.20	67.34	16.55		130.0	
		Z	6.18	67.47	16.61		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.30	67.43	16.67	0.46	130.0	± 9.6 %
		Y	6.24	67.21	16.51		130.0	
		Z	6.23	67.38	16.58		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.35	67.69	16.96	0.46	130.0	± 9.6 %
		Y	6.27	67.44	16.78		130.0	
		Z	6.25	67.57	16.84		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.19	67.43	16.74	0.46	130.0	± 9.6 %
		Y	6.12	67.17	16.55		130.0	
		Z	6.10	67.32	16.62		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.42	68.12	17.10	0.46	130.0	± 9.6 %
		Y	6.30	67.73	16.85		130.0	
		Z	6.27	67.83	16.89		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.96	69.23	17.61	0.46	130.0	± 9.6 %
		Y	6.81	68.82	17.36		130.0	
		Z	6.64	68.54	17.21		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	36.14	117.31	38.90	9.30	60.0	± 9.6 %
		Y	37.41	119.79	39.76		60.0	
		Z	44.85	123.68	40.74		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	38.37	119.57	39.70	9.30	60.0	± 9.6 %
		Y	37.81	120.93	40.24		60.0	
		Z	46.89	125.67	41.46		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.76	64.71	11.69	0.00	150.0	± 9.6 %
		Y	0.62	62.37	9.59		150.0	
		Z	0.65	63.27	10.28		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	4.49	69.07	17.63	2.23	80.0	± 9.6 %
		Y	4.22	68.27	17.06		80.0	
		Z	4.35	68.92	17.36		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.93	68.17	17.64	2.23	80.0	± 9.6 %
		Y	4.72	67.56	17.22		80.0	
		Z	4.80	68.03	17.44		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.87	67.81	17.63	2.23	80.0	± 9.6 %
		Y	4.67	67.22	17.23		80.0	
		Z	4.76	67.67	17.45		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.93	67.83	17.67	2.23	80.0	± 9.6 %
		Y	4.74	67.21	17.27		80.0	
		Z	4.82	67.65	17.48		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	13.17	86.89	23.60	10.00	50.0	± 9.6 %
		Y	14.69	88.65	23.55		50.0	
		Z	14.49	88.55	23.74		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	50.09	107.91	28.24	6.99	60.0	± 9.6 %
		Y	74.63	111.90	28.40		60.0	
		Z	82.42	114.14	29.27		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	115.90	28.07	3.98	80.0	± 9.6 %
		Y	100.00	112.84	26.35		80.0	
		Z	100.00	114.41	27.18		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	116.78	26.96	2.22	100.0	± 9.6 %
		Y	100.00	111.69	24.44		100.0	
		Z	100.00	114.68	25.86		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	120.91	26.72	0.97	120.0	± 9.6 %
		Y	100.00	108.87	21.46		120.0	
		Z	100.00	116.35	24.67		120.0	

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: **SCS 0108**

Client **PC Test**

Certificate No: **ES3-3329_Feb18**

CALIBRATION CERTIFICATE

Object: ES3DV3 - SN:3329

Calibration procedure(s): QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v6
Calibration procedure for dosimetric E-field probes

SC ✓
2/19/2018

Calibration date: February 13, 2018

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-17 (No. 217-02521/02522)	Apr-18
Power sensor NRP-Z91	SN: 103244	04-Apr-17 (No. 217-02521)	Apr-18
Power sensor NRP-Z91	SN: 103245	04-Apr-17 (No. 217-02525)	Apr-18
Reference 20 dB Attenuator	SN: S5277 (20x)	07-Apr-17 (No. 217-02528)	Apr-18
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Dec-18
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-17)	In house check: Oct-18

	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	M.Weber
Approved by:	Katja Pokovic	Technical Manager	

Issued: February 13, 2018

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., ϑ = 0 is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013

b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016

c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010

d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization ϑ = 0 ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E^2-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z = NORMx,y,z * frequency_response* (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of *ConvF*.
- *DCPx,y,z:* DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- *PAR:* PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z*: *A, B, C, D* are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. *VR* is the maximum calibration range expressed in RMS voltage across the diode.
- *ConvF and Boundary Effect Parameters:* Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to *NORMx,y,z * ConvF* whereby the uncertainty corresponds to that given for *ConvF*. A frequency dependent *ConvF* is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- *Spherical isotropy (3D deviation from isotropy)*: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- *Sensor Offset*: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- *Connector Angle*: The angle is assessed using the information gained by determining the *NORMx* (no uncertainty required).

Probe ES3DV3

SN:3329

Manufactured: January 24, 2012
Calibrated: February 13, 2018

Calibrated for DASY/EASY Systems
(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3329

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (µV/(V/m)^2)[A]	1.08	1.15	1.10	± 10.1 %
DCP (mV)[B]	105.0	106.3	106.7	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√µV	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	192.2	±3.5 %
		Y	0.0	0.0	1.0		202.5	
		Z	0.0	0.0	1.0		197.3	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 ms.V^{-2}	T2 ms.V^{-1}	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	61.07	442.7	35.96	29.67	3.213	5.100	0.000	0.729	1.011
Y	61.44	428.6	33.77	29.49	3.159	5.087	1.026	0.480	1.011
Z	54.90	393.3	35.27	28.94	2.446	5.100	0.839	0.494	1.010

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

[A] The uncertainties of Norm X,Y,Z do not affect the E^2-field uncertainty inside TSL (see Pages 5 and 6).
[B] Numerical linearization parameter: uncertainty not required.
[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3329

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	6.79	6.79	6.79	0.59	1.32	± 12.0 %
835	41.5	0.90	6.41	6.41	6.41	0.66	1.28	± 12.0 %
1750	40.1	1.37	5.42	5.42	5.42	0.49	1.45	± 12.0 %
1900	40.0	1.40	5.22	5.22	5.22	0.80	1.18	± 12.0 %
2300	39.5	1.67	4.88	4.88	4.88	0.80	1.22	± 12.0 %
2450	39.2	1.80	4.69	4.69	4.69	0.68	1.38	± 12.0 %
2600	39.0	1.96	4.52	4.52	4.52	0.80	1.26	± 12.0 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3329

Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	6.32	6.32	6.32	0.55	1.43	± 12.0 %
835	55.2	0.97	6.24	6.24	6.24	0.80	1.14	± 12.0 %
1750	53.4	1.49	5.04	5.04	5.04	0.45	1.68	± 12.0 %
1900	53.3	1.52	4.84	4.84	4.84	0.66	1.39	± 12.0 %
2300	52.9	1.81	4.60	4.60	4.60	0.80	1.26	± 12.0 %
2450	52.7	1.95	4.50	4.50	4.50	0.80	1.26	± 12.0 %
2600	52.5	2.16	4.25	4.25	4.25	0.80	1.28	± 12.0 %

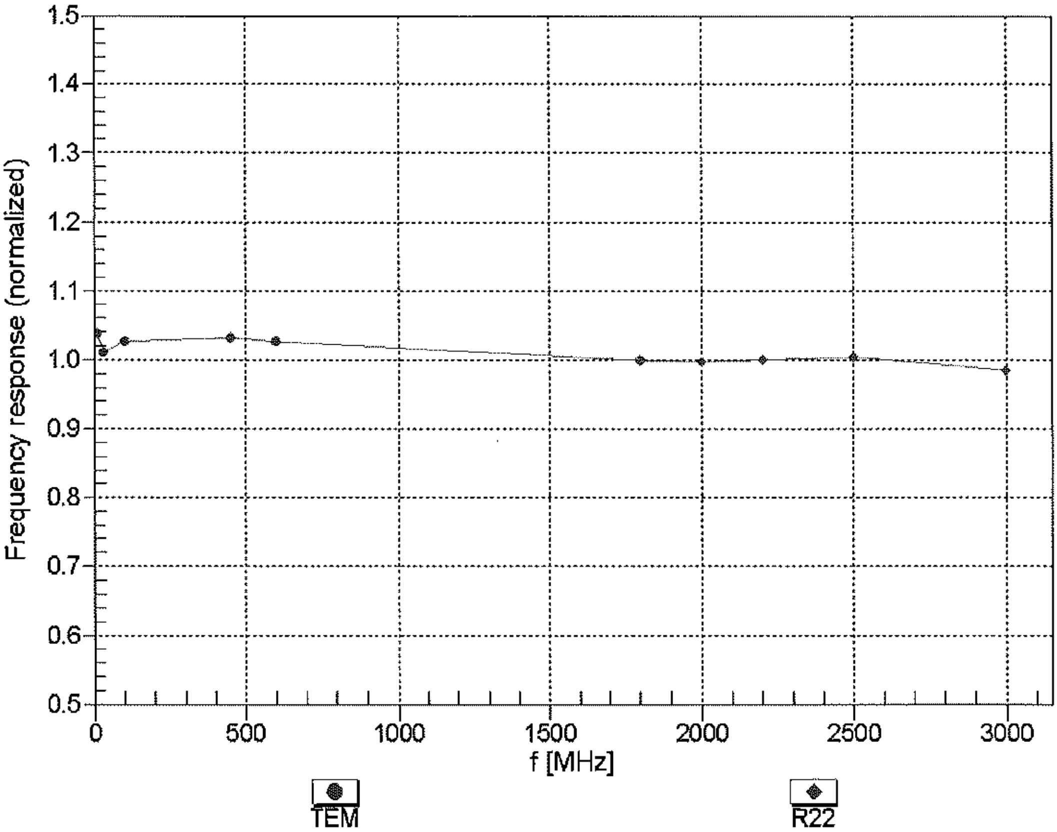
[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

Frequency Response of E-Field

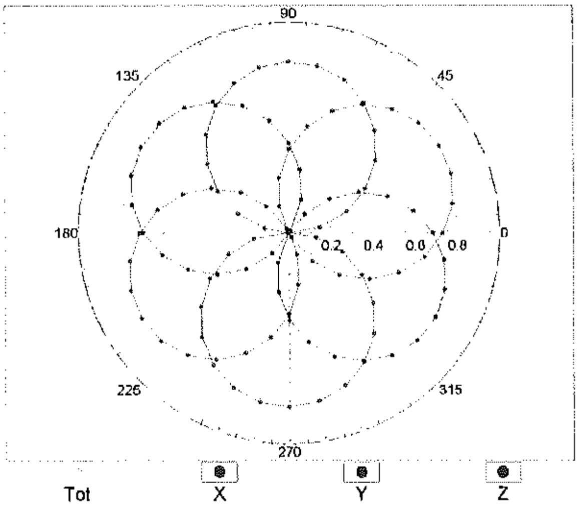
(TEM-Cell:ifi110 EXX, Waveguide: R22)



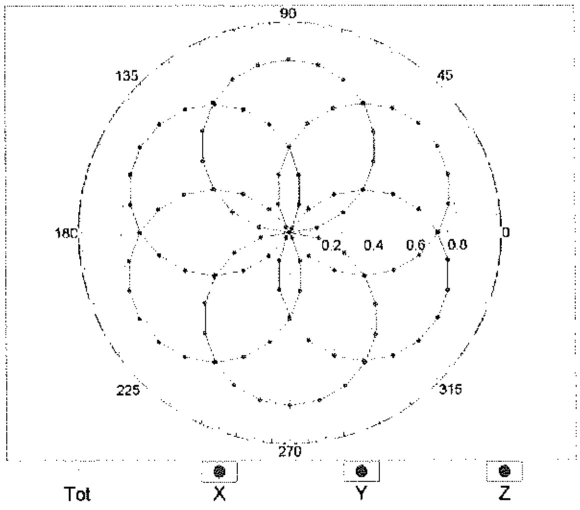
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

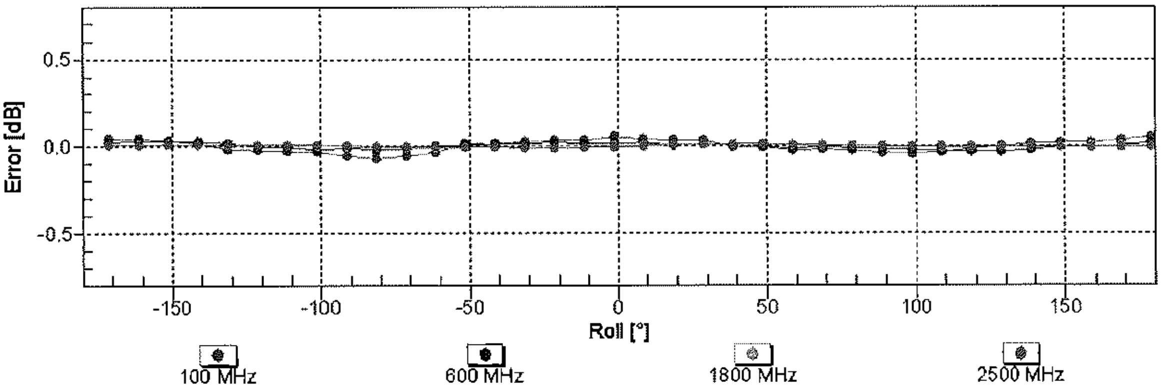
Receiving Pattern (φ), ϑ = 0°

f=600 MHz,TEM



f=1800 MHz,R22

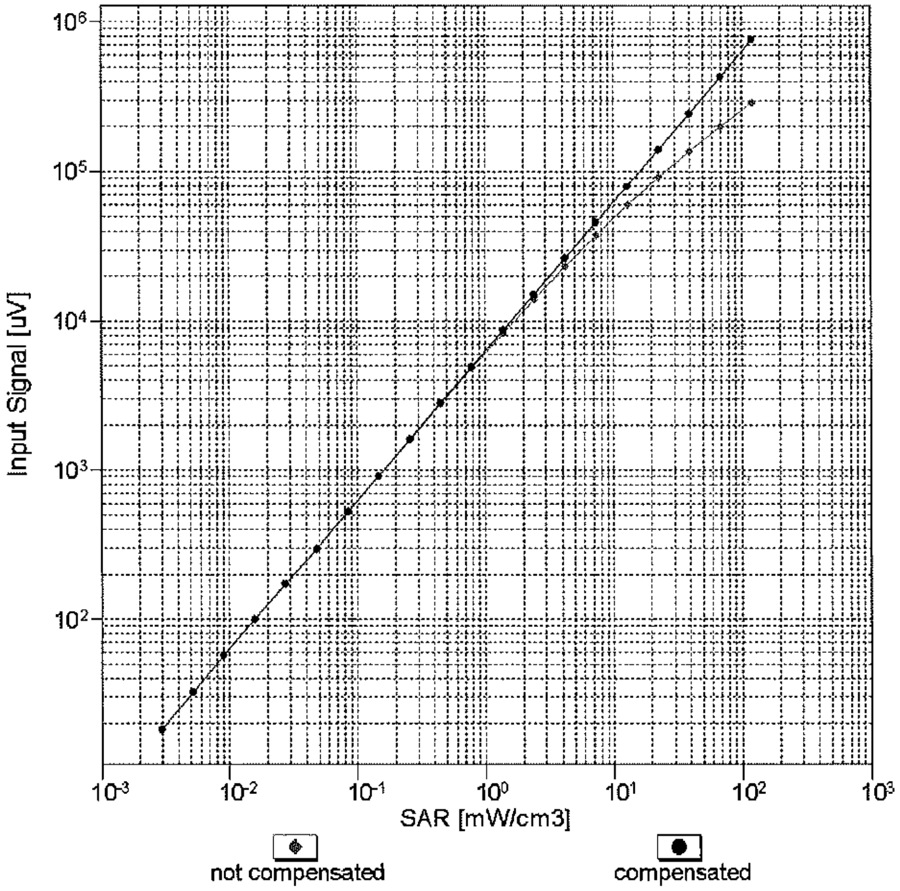


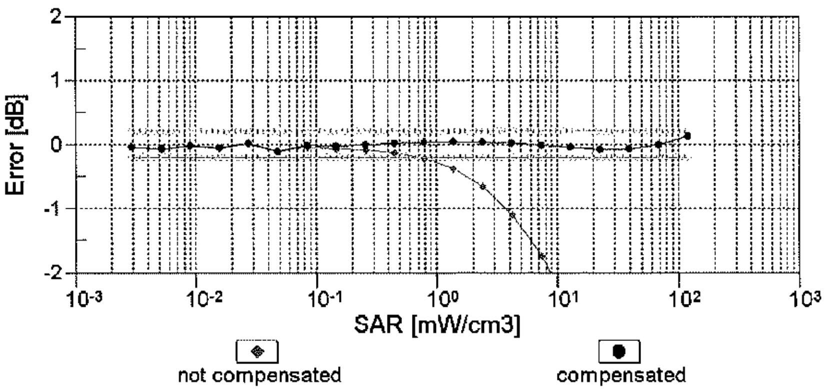


Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR_{head})

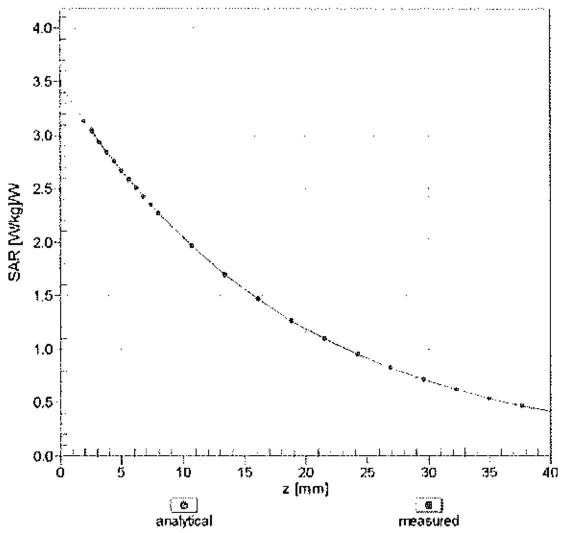
(TEM cell , f_{eval}= 1900 MHz)

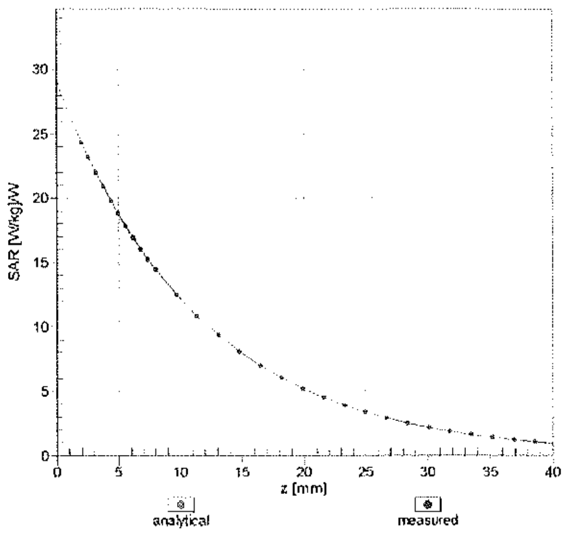




Uncertainty of Linearity Assessment: ± 0.6% (k=2)

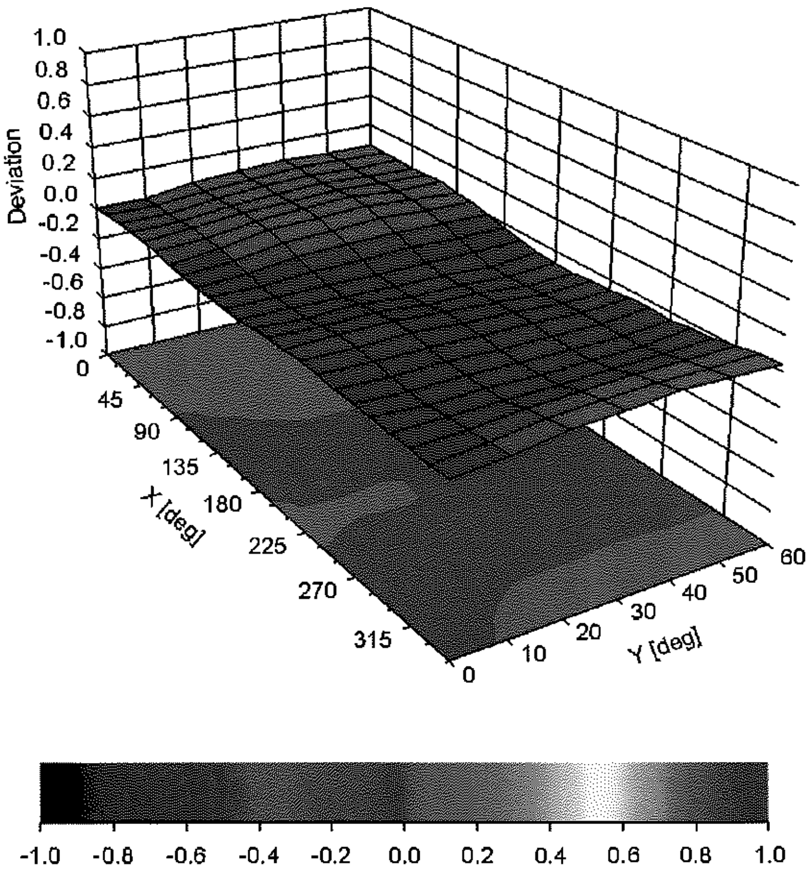
Conversion Factor Assessment


f = 835 MHz,WGLS R9 (H_convF)


f = 1900 MHz,WGLS R22 (H_convF)

Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz



Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3329

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-41.3
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	192.2	± 3.5 %
		Y	0.00	0.00	1.00		202.5	
		Z	0.00	0.00	1.00		197.3	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	8.07	78.40	18.85	10.00	25.0	± 9.6 %
		Y	8.61	79.31	19.24		25.0	
		Z	8.19	78.93	18.43		25.0	
10011-CAB	UMTS-FDD (WCDMA)	X	0.96	66.03	14.14	0.00	150.0	± 9.6 %
		Y	1.13	69.20	16.20		150.0	
		Z	0.97	66.57	14.47		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.25	64.43	15.20	0.41	150.0	± 9.6 %
		Y	1.33	65.74	16.16		150.0	
		Z	1.25	64.71	15.40		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	5.14	67.09	17.30	1.46	150.0	± 9.6 %
		Y	5.16	67.36	17.40		150.0	
		Z	5.07	67.17	17.31		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	16.53	91.68	25.32	9.39	50.0	± 9.6 %
		Y	15.14	89.85	24.66		50.0	
		Z	30.81	101.87	27.81		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	15.20	90.10	24.85	9.57	50.0	± 9.6 %
		Y	14.19	88.62	24.29		50.0	
		Z	25.32	98.58	26.89		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	60.17	111.34	29.15	6.56	60.0	± 9.6 %
		Y	52.16	109.06	28.58		60.0	
		Z	100.00	117.39	29.91		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	14.66	96.30	36.09	12.57	50.0	± 9.6 %
		Y	18.90	103.98	39.13		50.0	
		Z	16.62	102.00	38.52		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	16.11	96.90	33.05	9.56	60.0	± 9.6 %
		Y	18.91	100.78	34.41		60.0	
		Z	18.63	101.82	34.89		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	117.13	29.19	4.80	80.0	± 9.6 %
		Y	100.00	117.33	29.34		80.0	
		Z	100.00	115.82	28.27		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	116.44	28.01	3.55	100.0	± 9.6 %
		Y	100.00	117.18	28.42		100.0	
		Z	100.00	115.34	27.24		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	11.84	90.67	29.79	7.80	80.0	± 9.6 %
		Y	13.73	94.06	31.03		80.0	
		Z	12.64	93.34	30.88		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	117.07	29.52	5.30	70.0	± 9.6 %
		Y	100.00	117.17	29.62		70.0	
		Z	100.00	115.56	28.48		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	115.05	25.78	1.88	100.0	± 9.6 %
		Y	100.00	118.02	27.19		100.0	
		Z	100.00	113.95	25.09		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	115.57	24.87	1.17	100.0	± 9.6 %
		Y	100.00	121.99	27.72		100.0	
		Z	100.00	114.80	24.36		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	12.66	90.41	24.70	5.30	70.0	± 9.6 %
		Y	14.41	92.51	25.40		70.0	
		Z	18.21	96.60	26.32		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	5.33	81.62	20.15	1.88	100.0	± 9.6 %
		Y	7.89	87.79	22.46		100.0	
		Z	6.73	85.09	21.02		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	3.21	76.20	17.85	1.17	100.0	± 9.6 %
		Y	4.73	82.27	20.39		100.0	
		Z	3.66	78.28	18.35		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	14.60	92.93	25.57	5.30	70.0	± 9.6 %
		Y	16.63	95.04	26.25		70.0	
		Z	22.86	100.45	27.51		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	5.14	81.15	19.94	1.88	100.0	± 9.6 %
		Y	7.61	87.30	22.26		100.0	
		Z	6.36	84.34	20.73		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	3.30	76.79	18.16	1.17	100.0	± 9.6 %
		Y	4.92	83.08	20.75		100.0	
		Z	3.78	78.99	18.70		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	1.64	69.47	14.80	0.00	150.0	± 9.6 %
		Y	2.19	74.15	17.28		150.0	
		Z	1.66	70.26	14.91		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	26.03	97.68	25.48	7.78	50.0	± 9.6 %
		Y	25.12	97.01	25.30		50.0	
		Z	83.51	113.73	29.04		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.01	122.56	1.51	0.00	150.0	± 9.6 %
		Y	0.00	107.19	3.05		150.0	
		Z	0.01	122.80	0.03		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	10.73	81.66	23.68	13.80	25.0	± 9.6 %
		Y	10.48	80.96	23.36		25.0	
		Z	12.95	85.98	24.66		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	12.12	85.50	23.68	10.79	40.0	± 9.6 %
		Y	11.72	84.63	23.31		40.0	
		Z	15.62	90.23	24.70		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	11.53	84.83	23.78	9.03	50.0	± 9.6 %
		Y	11.84	85.17	23.88		50.0	
		Z	13.76	88.58	24.75		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	9.13	86.05	27.39	6.55	100.0	± 9.6 %
		Y	10.43	88.99	28.51		100.0	
		Z	9.33	87.52	28.06		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.42	66.46	16.18	0.61	110.0	± 9.6 %
		Y	1.54	68.15	17.29		110.0	
		Z	1.41	66.83	16.44		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	29.89	110.91	28.25	1.30	110.0	± 9.6 %
		Y	100.00	129.90	33.15		110.0	
		Z	100.00	128.29	32.21		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	7.28	89.43	24.43	2.04	110.0	± 9.6 %
		Y	11.53	97.29	27.06		110.0	
		Z	9.77	95.02	26.24		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.85	66.81	16.56	0.49	100.0	± 9.6 %
		Y	4.87	67.12	16.70		100.0	
		Z	4.78	66.91	16.59		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.89	66.98	16.71	0.72	100.0	± 9.6 %
		Y	4.92	67.28	16.84		100.0	
		Z	4.82	67.07	16.72		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.23	67.34	16.99	0.86	100.0	± 9.6 %
		Y	5.26	67.62	17.11		100.0	
		Z	5.14	67.40	16.99		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	5.14	67.39	17.16	1.21	100.0	± 9.6 %
		Y	5.17	67.68	17.28		100.0	
		Z	5.05	67.43	17.16		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	5.20	67.54	17.40	1.46	100.0	± 9.6 %
		Y	5.23	67.82	17.51		100.0	
		Z	5.11	67.57	17.40		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.53	67.72	17.87	2.04	100.0	± 9.6 %
		Y	5.55	67.98	17.97		100.0	
		Z	5.43	67.78	17.87		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.69	68.12	18.26	2.55	100.0	± 9.6 %
		Y	5.71	68.39	18.36		100.0	
		Z	5.57	68.10	18.23		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.77	68.06	18.44	2.67	100.0	± 9.6 %
		Y	5.79	68.31	18.53		100.0	
		Z	5.65	68.07	18.42		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.30	67.36	17.70	1.99	100.0	± 9.6 %
		Y	5.32	67.62	17.80		100.0	
		Z	5.22	67.42	17.70		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.37	67.94	18.02	2.30	100.0	± 9.6 %
		Y	5.40	68.23	18.13		100.0	
		Z	5.28	67.97	18.02		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.52	68.32	18.46	2.83	100.0	± 9.6 %
		Y	5.55	68.62	18.57		100.0	
		Z	5.41	68.33	18.45		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.57	68.42	18.73	3.30	100.0	± 9.6 %
		Y	5.60	68.73	18.84		100.0	
		Z	5.45	68.41	18.70		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.74	68.96	19.25	3.82	90.0	± 9.6 %
		Y	5.79	69.30	19.38		90.0	
		Z	5.60	68.87	19.19		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.76	68.76	19.37	4.15	90.0	± 9.6 %
		Y	5.80	69.11	19.50		90.0	
		Z	5.63	68.70	19.33		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.80	68.86	19.47	4.30	90.0	± 9.6 %
		Y	5.84	69.22	19.61		90.0	
		Z	5.67	68.80	19.43		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.81	64.73	12.00	0.00	150.0	± 9.6 %
		Y	1.01	68.20	14.30		150.0	
		Z	0.79	65.02	11.91		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	2.23	63.93	9.00	4.77	80.0	± 9.6 %
		Y	2.36	64.47	9.37		80.0	
		Z	1.97	63.16	8.19		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	58.04	110.87	29.07	6.56	60.0	± 9.6 %
		Y	50.11	108.52	28.47		60.0	
		Z	100.00	117.49	29.98		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.75	66.57	15.02	0.00	150.0	± 9.6 %
		Y	1.89	68.22	16.09		150.0	
		Z	1.76	67.05	15.21		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.71	66.52	14.97	0.00	150.0	± 9.6 %
		Y	1.85	68.20	16.07		150.0	
		Z	1.72	67.00	15.17		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	16.06	96.79	33.01	9.56	60.0	± 9.6 %
		Y	18.80	100.60	34.35		60.0	
		Z	18.57	101.70	34.85		60.0	
10100-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.10	69.72	16.13	0.00	150.0	± 9.6 %
		Y	3.36	71.46	17.06		150.0	
		Z	3.09	70.01	16.32		150.0	
10101-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.28	67.36	15.67	0.00	150.0	± 9.6 %
		Y	3.38	68.21	16.17		150.0	
		Z	3.24	67.48	15.75		150.0	
10102-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.38	67.32	15.78	0.00	150.0	± 9.6 %
		Y	3.48	68.09	16.23		150.0	
		Z	3.35	67.45	15.85		150.0	
10103-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	8.47	77.45	20.87	3.98	65.0	± 9.6 %
		Y	8.67	77.80	20.93		65.0	
		Z	8.72	78.59	21.32		65.0	
10104-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.44	76.18	21.20	3.98	65.0	± 9.6 %
		Y	8.71	76.80	21.39		65.0	
		Z	8.41	76.75	21.43		65.0	
10105-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	7.75	74.49	20.75	3.98	65.0	± 9.6 %
		Y	7.68	74.33	20.60		65.0	
		Z	7.72	75.06	20.99		65.0	
10108-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.73	68.97	15.96	0.00	150.0	± 9.6 %
		Y	2.96	70.60	16.87		150.0	
		Z	2.71	69.26	16.15		150.0	
10109-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.94	67.11	15.56	0.00	150.0	± 9.6 %
		Y	3.05	68.01	16.11		150.0	
		Z	2.90	67.27	15.64		150.0	
10110-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.23	67.99	15.57	0.00	150.0	± 9.6 %
		Y	2.42	69.65	16.57		150.0	
		Z	2.20	68.31	15.75		150.0	
10111-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.62	67.51	15.73	0.00	150.0	± 9.6 %
		Y	2.75	68.59	16.41		150.0	
		Z	2.59	67.83	15.85		150.0	

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.07	67.09	15.63	0.00	150.0	± 9.6 %
		Y	3.17	67.91	16.13		150.0	
		Z	3.03	67.25	15.70		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.78	67.64	15.88	0.00	150.0	± 9.6 %
		Y	2.90	68.63	16.49		150.0	
		Z	2.75	67.97	15.99		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.19	67.12	16.31	0.00	150.0	± 9.6 %
		Y	5.21	67.43	16.45		150.0	
		Z	5.15	67.24	16.36		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.56	67.47	16.50	0.00	150.0	± 9.6 %
		Y	5.58	67.73	16.60		150.0	
		Z	5.51	67.57	16.54		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.32	67.41	16.38	0.00	150.0	± 9.6 %
		Y	5.34	67.70	16.50		150.0	
		Z	5.27	67.51	16.42		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.19	67.14	16.34	0.00	150.0	± 9.6 %
		Y	5.22	67.45	16.48		150.0	
		Z	5.13	67.18	16.35		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.64	67.65	16.60	0.00	150.0	± 9.6 %
		Y	5.65	67.88	16.69		150.0	
		Z	5.59	67.77	16.65		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.30	67.37	16.37	0.00	150.0	± 9.6 %
		Y	5.31	67.64	16.49		150.0	
		Z	5.24	67.44	16.40		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.43	67.32	15.71	0.00	150.0	± 9.6 %
		Y	3.53	68.10	16.15		150.0	
		Z	3.39	67.45	15.77		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.55	67.40	15.87	0.00	150.0	± 9.6 %
		Y	3.64	68.13	16.29		150.0	
		Z	3.51	67.54	15.94		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.00	67.77	15.26	0.00	150.0	± 9.6 %
		Y	2.20	69.64	16.40		150.0	
		Z	1.97	68.15	15.40		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.46	67.94	15.47	0.00	150.0	± 9.6 %
		Y	2.64	69.34	16.34		150.0	
		Z	2.44	68.37	15.54		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.31	66.24	14.18	0.00	150.0	± 9.6 %
		Y	2.45	67.42	14.97		150.0	
		Z	2.26	66.41	14.11		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.33	65.37	12.46	0.00	150.0	± 9.6 %
		Y	1.56	67.95	14.15		150.0	
		Z	1.25	65.16	11.98		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.80	70.34	14.74	0.00	150.0	± 9.6 %
		Y	3.95	75.22	16.88		150.0	
		Z	2.61	69.56	13.72		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.43	73.24	16.18	0.00	150.0	± 9.6 %
		Y	5.35	79.58	18.72		150.0	
		Z	3.29	72.62	15.21		150.0	

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.95	67.16	15.60	0.00	150.0	± 9.6 %
		Y	3.06	68.06	16.15		150.0	
		Z	2.91	67.33	15.68		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.07	67.13	15.67	0.00	150.0	± 9.6 %
		Y	3.17	67.96	16.16		150.0	
		Z	3.03	67.30	15.74		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	8.75	79.16	21.63	3.98	65.0	± 9.6 %
		Y	9.13	79.86	21.84		65.0	
		Z	9.15	80.67	22.20		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	8.04	76.29	21.02	3.98	65.0	± 9.6 %
		Y	8.35	76.99	21.27		65.0	
		Z	8.03	76.92	21.24		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	8.40	77.04	21.67	3.98	65.0	± 9.6 %
		Y	8.69	77.65	21.86		65.0	
		Z	8.44	77.79	21.95		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.28	68.40	15.84	0.00	150.0	± 9.6 %
		Y	2.48	70.11	16.85		150.0	
		Z	2.25	68.72	16.01		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.62	67.51	15.74	0.00	150.0	± 9.6 %
		Y	2.75	68.59	16.41		150.0	
		Z	2.59	67.84	15.86		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.85	67.81	15.10	0.00	150.0	± 9.6 %
		Y	2.07	69.94	16.41		150.0	
		Z	1.82	68.19	15.20		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.13	66.64	14.19	0.00	150.0	± 9.6 %
		Y	2.30	68.13	15.17		150.0	
		Z	2.08	66.86	14.12		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.78	67.69	15.92	0.00	150.0	± 9.6 %
		Y	2.90	68.68	16.53		150.0	
		Z	2.75	68.03	16.03		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.24	67.05	14.48	0.00	150.0	± 9.6 %
		Y	2.42	68.57	15.45		150.0	
		Z	2.19	67.30	14.40		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.76	68.17	15.87	0.00	150.0	± 9.6 %
		Y	2.89	69.27	16.54		150.0	
		Z	2.74	68.43	16.02		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.97	67.01	15.60	0.00	150.0	± 9.6 %
		Y	3.07	67.85	16.11		150.0	
		Z	2.93	67.21	15.67		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.07	67.10	15.68	0.00	150.0	± 9.6 %
		Y	3.17	67.90	16.18		150.0	
		Z	3.04	67.33	15.77		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.88	69.86	19.25	3.01	150.0	± 9.6 %
		Y	4.07	71.13	19.89		150.0	
		Z	3.84	70.43	19.48		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.88	72.66	19.68	3.01	150.0	± 9.6 %
		Y	5.40	74.96	20.70		150.0	
		Z	4.95	73.85	20.11		150.0	

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.33	74.59	20.84	3.01	150.0	± 9.6 %
		Y	5.96	77.05	21.88		150.0	
		Z	5.53	76.23	21.46		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.48	70.68	19.56	3.01	150.0	± 9.6 %
		Y	3.85	73.24	20.80		150.0	
		Z	3.41	71.18	19.80		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.93	76.42	21.68	3.01	150.0	± 9.6 %
		Y	6.32	81.77	23.79		150.0	
		Z	5.22	78.66	22.56		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	4.07	72.34	19.05	3.01	150.0	± 9.6 %
		Y	4.93	76.44	20.78		150.0	
		Z	4.11	73.55	19.49		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	20.65	101.47	31.06	6.02	65.0	± 9.6 %
		Y	31.52	109.71	33.41		65.0	
		Z	34.36	112.95	34.46		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	21.15	97.89	28.48	6.02	65.0	± 9.6 %
		Y	35.42	106.81	30.87		65.0	
		Z	40.86	110.71	32.02		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	17.83	93.78	26.75	6.02	65.0	± 9.6 %
		Y	26.77	100.61	28.61		65.0	
		Z	30.50	104.11	29.66		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.44	70.34	19.31	3.01	150.0	± 9.6 %
		Y	3.79	72.85	20.53		150.0	
		Z	3.36	70.81	19.52		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	4.94	76.44	21.69	3.01	150.0	± 9.6 %
		Y	6.33	81.80	23.80		150.0	
		Z	5.23	78.68	22.57		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.47	70.51	19.41	3.01	150.0	± 9.6 %
		Y	3.82	73.04	20.64		150.0	
		Z	3.39	70.99	19.63		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	4.87	76.16	21.54	3.01	150.0	± 9.6 %
		Y	6.22	81.43	23.64		150.0	
		Z	5.15	78.36	22.42		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.45	74.21	20.21	3.01	150.0	± 9.6 %
		Y	5.55	78.90	22.12		150.0	
		Z	4.60	75.89	20.86		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	4.05	72.25	18.99	3.01	150.0	± 9.6 %
		Y	4.90	76.32	20.72		150.0	
		Z	4.09	73.45	19.43		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.46	70.49	19.40	3.01	150.0	± 9.6 %
		Y	3.82	73.02	20.63		150.0	
		Z	3.39	70.97	19.62		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	4.86	76.14	21.53	3.01	150.0	± 9.6 %
		Y	6.21	81.41	23.63		150.0	
		Z	5.14	78.34	22.40		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	4.05	72.23	18.98	3.01	150.0	± 9.6 %
		Y	4.89	76.29	20.70		150.0	
		Z	4.08	73.42	19.42		150.0	

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.47	70.53	19.43	3.01	150.0	± 9.6 %
		Y	3.83	73.07	20.65		150.0	
		Z	3.40	71.02	19.65		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	4.88	76.21	21.57	3.01	150.0	± 9.6 %
		Y	6.24	81.49	23.66		150.0	
		Z	5.17	78.42	22.44		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	4.07	72.29	19.01	3.01	150.0	± 9.6 %
		Y	4.92	76.38	20.74		150.0	
		Z	4.10	73.50	19.46		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.48	70.57	19.48	3.01	150.0	± 9.6 %
		Y	3.84	73.12	20.71		150.0	
		Z	3.41	71.07	19.71		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	5.05	76.91	21.95	3.01	150.0	± 9.6 %
		Y	6.53	82.41	24.11		150.0	
		Z	5.39	79.28	22.89		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.16	72.73	19.29	3.01	150.0	± 9.6 %
		Y	5.07	76.94	21.06		150.0	
		Z	4.22	74.02	19.76		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.61	66.51	16.06	0.00	150.0	± 9.6 %
		Y	4.64	66.87	16.24		150.0	
		Z	4.55	66.62	16.08		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.80	66.87	16.18	0.00	150.0	± 9.6 %
		Y	4.84	67.24	16.35		150.0	
		Z	4.74	66.97	16.20		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.84	66.89	16.19	0.00	150.0	± 9.6 %
		Y	4.88	67.25	16.36		150.0	
		Z	4.78	66.99	16.21		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.62	66.61	16.09	0.00	150.0	± 9.6 %
		Y	4.66	66.97	16.28		150.0	
		Z	4.56	66.71	16.11		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.82	66.90	16.19	0.00	150.0	± 9.6 %
		Y	4.86	67.26	16.37		150.0	
		Z	4.75	66.99	16.21		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.85	66.91	16.20	0.00	150.0	± 9.6 %
		Y	4.89	67.26	16.37		150.0	
		Z	4.78	67.01	16.23		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.57	66.61	16.05	0.00	150.0	± 9.6 %
		Y	4.61	66.98	16.24		150.0	
		Z	4.51	66.71	16.06		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.82	66.89	16.19	0.00	150.0	± 9.6 %
		Y	4.86	67.25	16.36		150.0	
		Z	4.75	66.97	16.21		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.85	66.85	16.19	0.00	150.0	± 9.6 %
		Y	4.89	67.20	16.36		150.0	
		Z	4.79	66.94	16.22		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.17	67.15	16.34	0.00	150.0	± 9.6 %
		Y	5.20	67.47	16.48		150.0	
		Z	5.11	67.19	16.34		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.55	67.54	16.56	0.00	150.0	± 9.6 %
		Y	5.56	67.79	16.66		150.0	
		Z	5.44	67.42	16.49		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.22	67.24	16.30	0.00	150.0	± 9.6 %
		Y	5.25	67.58	16.46		150.0	
		Z	5.16	67.28	16.32		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.85	65.80	15.20	0.00	150.0	± 9.6 %
		Y	2.92	66.47	15.64		150.0	
		Z	2.81	66.00	15.21		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	22.14	98.82	28.84	6.02	65.0	± 9.6 %
		Y	37.49	107.96	31.27		65.0	
		Z	44.50	112.41	32.57		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	19.09	95.08	27.24	6.02	65.0	± 9.6 %
		Y	28.73	101.94	29.08		65.0	
		Z	34.29	106.27	30.35		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	22.15	103.34	31.74	6.02	65.0	± 9.6 %
		Y	36.55	113.02	34.44		65.0	
		Z	36.13	114.45	34.99		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	21.20	97.92	28.50	6.02	65.0	± 9.6 %
		Y	35.45	106.81	30.88		65.0	
		Z	40.95	110.74	32.04		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	18.38	94.34	26.94	6.02	65.0	± 9.6 %
		Y	27.47	101.07	28.76		65.0	
		Z	32.04	104.98	29.92		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	21.17	102.36	31.37	6.02	65.0	± 9.6 %
		Y	34.67	111.87	34.05		65.0	
		Z	33.59	112.89	34.48		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	21.19	97.91	28.49	6.02	65.0	± 9.6 %
		Y	35.44	106.82	30.88		65.0	
		Z	40.94	110.75	32.04		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	18.38	94.35	26.94	6.02	65.0	± 9.6 %
		Y	27.49	101.09	28.76		65.0	
		Z	32.04	104.99	29.92		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	20.23	101.32	30.96	6.02	65.0	± 9.6 %
		Y	32.74	110.57	33.59		65.0	
		Z	31.30	111.29	33.93		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	21.22	97.96	28.51	6.02	65.0	± 9.6 %
		Y	35.55	106.89	30.90		65.0	
		Z	41.11	110.83	32.07		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	18.50	94.44	26.97	6.02	65.0	± 9.6 %
		Y	27.71	101.21	28.79		65.0	
		Z	32.35	105.13	29.96		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	21.29	102.49	31.41	6.02	65.0	± 9.6 %
		Y	35.02	112.09	34.11		65.0	
		Z	33.92	113.10	34.54		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	21.18	97.92	28.49	6.02	65.0	± 9.6 %
		Y	35.46	106.84	30.88		65.0	
		Z	40.96	110.76	32.05		65.0	

10239-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	18.37	94.36	26.95	6.02	65.0	± 9.6 %
		Y	27.50	101.12	28.77		65.0	
		Z	32.04	105.01	29.93		65.0	
10240-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	21.23	102.45	31.40	6.02	65.0	± 9.6 %
		Y	34.92	112.04	34.10		65.0	
		Z	33.80	113.04	34.52		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	11.76	84.83	26.66	6.98	65.0	± 9.6 %
		Y	13.38	87.87	27.79		65.0	
		Z	12.52	87.35	27.56		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	11.35	84.04	26.27	6.98	65.0	± 9.6 %
		Y	12.00	85.46	26.79		65.0	
		Z	12.12	86.65	27.22		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	9.54	82.14	26.38	6.98	65.0	± 9.6 %
		Y	9.81	82.99	26.73		65.0	
		Z	9.75	83.79	27.04		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	9.15	79.63	20.87	3.98	65.0	± 9.6 %
		Y	9.92	80.88	21.29		65.0	
		Z	9.52	80.62	20.81		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	9.05	79.21	20.66	3.98	65.0	± 9.6 %
		Y	9.79	80.43	21.07		65.0	
		Z	9.31	80.02	20.53		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	8.39	80.86	21.13	3.98	65.0	± 9.6 %
		Y	9.09	82.11	21.63		65.0	
		Z	9.03	82.52	21.45		65.0	
10247-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	7.44	76.75	20.10	3.98	65.0	± 9.6 %
		Y	7.80	77.53	20.43		65.0	
		Z	7.48	77.41	20.12		65.0	
10248-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	7.45	76.34	19.93	3.98	65.0	± 9.6 %
		Y	7.82	77.13	20.26		65.0	
		Z	7.43	76.85	19.89		65.0	
10249-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	9.17	82.41	22.29	3.98	65.0	± 9.6 %
		Y	9.85	83.54	22.70		65.0	
		Z	10.20	84.83	22.98		65.0	
10250-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.26	78.48	21.96	3.98	65.0	± 9.6 %
		Y	8.59	79.15	22.18		65.0	
		Z	8.44	79.59	22.32		65.0	
10251-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	7.88	76.57	20.92	3.98	65.0	± 9.6 %
		Y	8.21	77.29	21.19		65.0	
		Z	7.92	77.32	21.12		65.0	
10252-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	9.18	81.73	22.64	3.98	65.0	± 9.6 %
		Y	9.71	82.62	22.93		65.0	
		Z	9.99	83.97	23.42		65.0	
10253-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	7.85	75.75	20.84	3.98	65.0	± 9.6 %
		Y	8.15	76.44	21.09		65.0	
		Z	7.83	76.36	21.03		65.0	
10254-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.22	76.49	21.44	3.98	65.0	± 9.6 %
		Y	8.50	77.11	21.65		65.0	
		Z	8.23	77.20	21.68		65.0	

10255-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	8.49	78.85	21.73	3.98	65.0	± 9.6 %
		Y	8.87	79.56	21.96		65.0	
		Z	8.84	80.29	22.28		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	8.25	77.69	19.38	3.98	65.0	± 9.6 %
		Y	8.96	78.92	19.82		65.0	
		Z	8.10	77.62	18.81		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	8.11	77.08	19.06	3.98	65.0	± 9.6 %
		Y	8.78	78.27	19.49		65.0	
		Z	7.84	76.79	18.39		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	7.38	78.49	19.69	3.98	65.0	± 9.6 %
		Y	8.04	79.82	20.25		65.0	
		Z	7.42	78.94	19.47		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	7.76	77.34	20.74	3.98	65.0	± 9.6 %
		Y	8.11	78.08	21.03		65.0	
		Z	7.85	78.18	20.89		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	7.80	77.14	20.68	3.98	65.0	± 9.6 %
		Y	8.14	77.86	20.97		65.0	
		Z	7.85	77.89	20.79		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	8.88	81.60	22.27	3.98	65.0	± 9.6 %
		Y	9.48	82.65	22.65		65.0	
		Z	9.67	83.76	22.93		65.0	
10262-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.25	78.44	21.93	3.98	65.0	± 9.6 %
		Y	8.59	79.11	22.15		65.0	
		Z	8.43	79.53	22.28		65.0	
10263-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	7.88	76.56	20.92	3.98	65.0	± 9.6 %
		Y	8.21	77.28	21.19		65.0	
		Z	7.91	77.31	21.12		65.0	
10264-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	9.13	81.60	22.57	3.98	65.0	± 9.6 %
		Y	9.66	82.50	22.87		65.0	
		Z	9.91	83.80	23.34		65.0	
10265-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	8.04	76.29	21.02	3.98	65.0	± 9.6 %
		Y	8.35	76.99	21.27		65.0	
		Z	8.03	76.93	21.25		65.0	
10266-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	8.40	77.03	21.66	3.98	65.0	± 9.6 %
		Y	8.69	77.65	21.86		65.0	
		Z	8.44	77.79	21.94		65.0	
10267-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	8.73	79.13	21.62	3.98	65.0	± 9.6 %
		Y	9.12	79.83	21.83		65.0	
		Z	9.13	80.63	22.19		65.0	
10268-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.54	75.95	21.24	3.98	65.0	± 9.6 %
		Y	8.80	76.51	21.41		65.0	
		Z	8.51	76.49	21.46		65.0	
10269-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	8.48	75.58	21.16	3.98	65.0	± 9.6 %
		Y	8.73	76.14	21.34		65.0	
		Z	8.44	76.08	21.36		65.0	
10270-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	8.47	76.95	20.91	3.98	65.0	± 9.6 %
		Y	8.75	77.49	21.05		65.0	
		Z	8.61	77.90	21.29		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.57	65.91	14.95	0.00	150.0	± 9.6 %
		Y	2.65	66.75	15.51		150.0	
		Z	2.56	66.20	15.02		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.55	66.86	14.78	0.00	150.0	± 9.6 %
		Y	1.73	69.03	16.15		150.0	
		Z	1.55	67.30	15.01		150.0	
10277-CAA	PHS (QPSK)	X	5.86	69.89	14.48	9.03	50.0	± 9.6 %
		Y	6.05	70.34	14.75		50.0	
		Z	5.17	68.51	13.15		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	8.84	78.67	20.45	9.03	50.0	± 9.6 %
		Y	9.10	79.10	20.64		50.0	
		Z	8.65	78.66	19.88		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	8.99	78.85	20.53	9.03	50.0	± 9.6 %
		Y	9.26	79.30	20.73		50.0	
		Z	8.78	78.84	19.96		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.41	67.32	13.54	0.00	150.0	± 9.6 %
		Y	1.76	70.91	15.63		150.0	
		Z	1.38	67.69	13.46		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.80	64.55	11.88	0.00	150.0	± 9.6 %
		Y	0.99	67.90	14.14		150.0	
		Z	0.77	64.83	11.79		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	0.91	67.06	13.53	0.00	150.0	± 9.6 %
		Y	1.30	72.84	16.82		150.0	
		Z	0.92	67.92	13.72		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	1.16	70.56	15.64	0.00	150.0	± 9.6 %
		Y	1.94	79.07	19.83		150.0	
		Z	1.28	72.57	16.31		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	10.28	82.46	23.66	9.03	50.0	± 9.6 %
		Y	10.22	82.35	23.63		50.0	
		Z	11.07	84.55	24.13		50.0	
10297-AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.75	69.06	16.02	0.00	150.0	± 9.6 %
		Y	2.97	70.70	16.94		150.0	
		Z	2.72	69.35	16.21		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.60	66.98	13.98	0.00	150.0	± 9.6 %
		Y	1.85	69.51	15.55		150.0	
		Z	1.55	67.18	13.86		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.26	71.90	16.17	0.00	150.0	± 9.6 %
		Y	4.33	76.24	18.03		150.0	
		Z	3.31	72.38	15.84		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.51	67.34	13.37	0.00	150.0	± 9.6 %
		Y	2.99	69.92	14.65		150.0	
		Z	2.38	67.03	12.70		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	5.82	68.37	18.81	4.17	80.0	± 9.6 %
		Y	5.85	68.52	18.89		80.0	
		Z	5.64	68.23	18.69		80.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	6.24	68.65	19.34	4.96	80.0	± 9.6 %
		Y	6.46	69.73	19.98		80.0	
		Z	6.04	68.41	19.17		80.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	6.11	68.76	19.41	4.96	80.0	± 9.6 %
		Y	6.36	69.99	20.13		80.0	
		Z	5.87	68.43	19.18		80.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.71	67.96	18.56	4.17	80.0	± 9.6 %
		Y	5.91	68.99	19.16		80.0	
		Z	5.52	67.76	18.40		80.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	9.71	83.15	26.56	6.02	50.0	± 9.6 %
		Y	8.55	79.36	24.81		50.0	
		Z	8.37	80.35	25.26		50.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	6.58	71.56	21.36	6.02	50.0	± 9.6 %
		Y	7.17	73.99	22.71		50.0	
		Z	6.20	70.83	20.91		50.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	7.73	76.79	23.95	6.02	50.0	± 9.6 %
		Y	7.40	75.03	22.97		50.0	
		Z	7.01	75.12	23.08		50.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	7.91	77.59	24.31	6.02	50.0	± 9.6 %
		Y	7.53	75.64	23.25		50.0	
		Z	7.15	75.83	23.42		50.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	6.69	71.88	21.53	6.02	50.0	± 9.6 %
		Y	7.32	74.37	22.91		50.0	
		Z	6.29	71.12	21.08		50.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	6.59	71.79	21.37	6.02	50.0	± 9.6 %
		Y	7.23	74.35	22.77		50.0	
		Z	6.84	74.35	22.83		50.0	
10311-AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.09	68.39	15.72	0.00	150.0	± 9.6 %
		Y	3.33	69.97	16.57		150.0	
		Z	3.07	68.66	15.89		150.0	
10313-AAA	iDEN 1:3	X	6.65	76.15	17.85	6.99	70.0	± 9.6 %
		Y	7.24	77.28	18.30		70.0	
		Z	7.04	77.40	18.09		70.0	
10314-AAA	iDEN 1:6	X	8.08	80.52	21.84	10.00	30.0	± 9.6 %
		Y	8.77	81.69	22.24		30.0	
		Z	9.69	84.36	23.02		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.10	63.85	14.86	0.17	150.0	± 9.6 %
		Y	1.17	65.18	15.89		150.0	
		Z	1.10	64.15	15.08		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.72	66.73	16.28	0.17	150.0	± 9.6 %
		Y	4.75	67.07	16.44		150.0	
		Z	4.66	66.83	16.30		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.72	66.73	16.28	0.17	150.0	± 9.6 %
		Y	4.75	67.07	16.44		150.0	
		Z	4.66	66.83	16.30		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.81	66.94	16.17	0.00	150.0	± 9.6 %
		Y	4.85	67.31	16.36		150.0	
		Z	4.74	67.03	16.20		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.47	67.12	16.33	0.00	150.0	± 9.6 %
		Y	5.47	67.35	16.43		150.0	
		Z	5.42	67.24	16.37		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.76	67.60	16.41	0.00	150.0	± 9.6 %
		Y	5.77	67.89	16.53		150.0	
		Z	5.69	67.63	16.42		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.41	67.32	13.54	0.00	115.0	± 9.6 %
		Y	1.76	70.91	15.63		115.0	
		Z	1.38	67.69	13.46		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.41	67.32	13.54	0.00	115.0	± 9.6 %
		Y	1.76	70.91	15.63		115.0	
		Z	1.38	67.69	13.46		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	14.83	96.48	25.23	0.00	100.0	± 9.6 %
		Y	100.00	122.55	31.30		100.0	
		Z	100.00	121.31	30.49		100.0	
10410-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	120.29	30.84	3.23	80.0	± 9.6 %
		Y	100.00	119.31	30.33		80.0	
		Z	100.00	119.49	30.08		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	0.96	62.37	13.97	0.00	150.0	± 9.6 %
		Y	1.01	63.50	14.95		150.0	
		Z	0.96	62.65	14.18		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.61	66.55	16.10	0.00	150.0	± 9.6 %
		Y	4.65	66.90	16.28		150.0	
		Z	4.56	66.67	16.14		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.61	66.55	16.10	0.00	150.0	± 9.6 %
		Y	4.65	66.90	16.28		150.0	
		Z	4.56	66.67	16.14		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.59	66.67	16.10	0.00	150.0	± 9.6 %
		Y	4.63	67.04	16.29		150.0	
		Z	4.54	66.80	16.14		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.62	66.64	16.11	0.00	150.0	± 9.6 %
		Y	4.66	67.00	16.30		150.0	
		Z	4.57	66.76	16.15		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.75	66.66	16.14	0.00	150.0	± 9.6 %
		Y	4.78	67.01	16.31		150.0	
		Z	4.69	66.78	16.17		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.95	67.04	16.28	0.00	150.0	± 9.6 %
		Y	4.99	67.39	16.45		150.0	
		Z	4.87	67.12	16.30		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.85	66.97	16.24	0.00	150.0	± 9.6 %
		Y	4.89	67.33	16.42		150.0	
		Z	4.79	67.06	16.27		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.45	67.38	16.45	0.00	150.0	± 9.6 %
		Y	5.45	67.61	16.54		150.0	
		Z	5.40	67.47	16.48		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.46	67.41	16.46	0.00	150.0	± 9.6 %
		Y	5.46	67.65	16.56		150.0	
		Z	5.40	67.47	16.48		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.47	67.40	16.45	0.00	150.0	± 9.6 %
		Y	5.49	67.67	16.56		150.0	
		Z	5.41	67.45	16.47		150.0	
10430-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.25	69.89	17.82	0.00	150.0	± 9.6 %
		Y	4.32	70.30	18.06		150.0	
		Z	4.23	70.38	17.96		150.0	
10431-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.33	67.04	16.12	0.00	150.0	± 9.6 %
		Y	4.38	67.47	16.36		150.0	
		Z	4.25	67.18	16.13		150.0	
10432-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.62	66.98	16.18	0.00	150.0	± 9.6 %
		Y	4.67	67.37	16.39		150.0	
		Z	4.55	67.09	16.21		150.0	
10433-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.87	67.01	16.27	0.00	150.0	± 9.6 %
		Y	4.91	67.37	16.44		150.0	
		Z	4.80	67.10	16.29		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.32	70.53	17.76	0.00	150.0	± 9.6 %
		Y	4.41	71.03	18.06		150.0	
		Z	4.31	71.11	17.90		150.0	
10435-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.14	30.77	3.23	80.0	± 9.6 %
		Y	100.00	119.15	30.26		80.0	
		Z	100.00	119.32	30.01		80.0	
10447-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.62	66.94	15.51	0.00	150.0	± 9.6 %
		Y	3.70	67.54	15.90		150.0	
		Z	3.54	67.11	15.47		150.0	
10448-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.15	66.80	15.96	0.00	150.0	± 9.6 %
		Y	4.20	67.25	16.22		150.0	
		Z	4.08	66.95	15.98		150.0	
10449-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.41	66.78	16.07	0.00	150.0	± 9.6 %
		Y	4.46	67.19	16.29		150.0	
		Z	4.35	66.90	16.10		150.0	
10450-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.60	66.74	16.10	0.00	150.0	± 9.6 %
		Y	4.64	67.13	16.30		150.0	
		Z	4.54	66.85	16.13		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.53	67.14	15.21	0.00	150.0	± 9.6 %
		Y	3.64	67.84	15.66		150.0	
		Z	3.44	67.29	15.12		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.31	68.02	16.65	0.00	150.0	± 9.6 %
		Y	6.31	68.25	16.72		150.0	
		Z	6.26	68.04	16.65		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.80	65.18	15.82	0.00	150.0	± 9.6 %
		Y	3.83	65.54	16.02		150.0	
		Z	3.78	65.29	15.84		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.91	69.56	17.15	0.00	150.0	± 9.6 %
		Y	4.01	70.13	17.52		150.0	
		Z	3.93	70.26	17.29		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	5.07	67.40	17.80	0.00	150.0	± 9.6 %
		Y	5.12	67.64	17.91		150.0	
		Z	5.05	67.94	17.95		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	0.80	66.25	14.61	0.00	150.0	± 9.6 %
		Y	0.98	70.12	17.14		150.0	
		Z	0.82	67.01	15.08		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.22	31.81	3.29	80.0	± 9.6 %
		Y	100.00	122.28	31.77		80.0	
		Z	100.00	123.03	31.78		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	89.65	108.48	25.59	3.23	80.0	± 9.6 %
		Y	100.00	108.89	25.35		80.0	
		Z	100.00	107.86	24.57		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	22.51	90.76	20.66	3.23	80.0	± 9.6 %
		Y	99.99	106.28	24.09		80.0	
		Z	26.96	91.52	20.00		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.48	30.86	3.23	80.0	± 9.6 %
		Y	100.00	120.55	30.82		80.0	
		Z	100.00	121.00	30.69		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	43.12	99.66	23.41	3.23	80.0	± 9.6 %
		Y	100.00	108.45	25.13		80.0	
		Z	100.00	107.36	24.32		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.46	85.63	19.16	3.23	80.0	± 9.6 %
		Y	47.56	97.97	22.07		80.0	
		Z	13.86	84.47	18.03		80.0	
10467-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.66	30.94	3.23	80.0	± 9.6 %
		Y	100.00	120.74	30.91		80.0	
		Z	100.00	121.22	30.79		80.0	
10468-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	51.08	101.72	23.94	3.23	80.0	± 9.6 %
		Y	100.00	108.59	25.19		80.0	
		Z	100.00	107.51	24.40		80.0	
10469-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.72	85.83	19.22	3.23	80.0	± 9.6 %
		Y	49.52	98.40	22.18		80.0	
		Z	14.20	84.72	18.10		80.0	
10470-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.68	30.94	3.23	80.0	± 9.6 %
		Y	100.00	120.76	30.91		80.0	
		Z	100.00	121.24	30.79		80.0	
10471-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	51.16	101.71	23.92	3.23	80.0	± 9.6 %
		Y	100.00	108.54	25.17		80.0	
		Z	100.00	107.46	24.37		80.0	
10472-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.72	85.81	19.20	3.23	80.0	± 9.6 %
		Y	49.74	98.42	22.17		80.0	
		Z	14.09	84.62	18.06		80.0	
10473-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.66	30.93	3.23	80.0	± 9.6 %
		Y	100.00	120.74	30.90		80.0	
		Z	100.00	121.21	30.78		80.0	
10474-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	50.22	101.50	23.87	3.23	80.0	± 9.6 %
		Y	100.00	108.55	25.17		80.0	
		Z	100.00	107.47	24.37		80.0	
10475-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.54	85.69	19.17	3.23	80.0	± 9.6 %
		Y	48.73	98.21	22.12		80.0	
		Z	13.88	84.48	18.02		80.0	

10477-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	44.75	100.06	23.49	3.23	80.0	± 9.6 %
		Y	100.00	108.41	25.10		80.0	
		Z	100.00	107.31	24.29		80.0	
10478-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.36	85.53	19.11	3.23	80.0	± 9.6 %
		Y	47.45	97.89	22.03		80.0	
		Z	13.59	84.23	17.94		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	11.68	89.98	24.75	3.23	80.0	± 9.6 %
		Y	15.50	94.63	26.20		80.0	
		Z	19.65	98.59	27.01		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	11.85	85.61	21.94	3.23	80.0	± 9.6 %
		Y	17.00	90.84	23.50		80.0	
		Z	18.94	92.21	23.43		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	10.48	83.24	20.87	3.23	80.0	± 9.6 %
		Y	14.56	87.91	22.29		80.0	
		Z	14.75	87.95	21.81		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.86	75.76	18.52	2.23	80.0	± 9.6 %
		Y	6.17	79.38	19.99		80.0	
		Z	5.29	77.51	18.93		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	8.11	80.27	20.27	2.23	80.0	± 9.6 %
		Y	9.67	82.93	21.21		80.0	
		Z	9.18	82.16	20.45		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	7.59	79.10	19.86	2.23	80.0	± 9.6 %
		Y	8.93	81.58	20.76		80.0	
		Z	8.26	80.48	19.89		80.0	
10485-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.18	76.73	19.54	2.23	80.0	± 9.6 %
		Y	6.33	79.90	20.81		80.0	
		Z	5.63	78.69	20.17		80.0	
10486-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.50	71.88	17.42	2.23	80.0	± 9.6 %
		Y	5.03	73.65	18.23		80.0	
		Z	4.58	72.73	17.57		80.0	
10487-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.49	71.51	17.27	2.23	80.0	± 9.6 %
		Y	4.98	73.17	18.04		80.0	
		Z	4.53	72.24	17.37		80.0	
10488-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.30	75.62	19.60	2.23	80.0	± 9.6 %
		Y	6.12	78.00	20.55		80.0	
		Z	5.50	76.96	20.13		80.0	
10489-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.67	71.32	18.11	2.23	80.0	± 9.6 %
		Y	5.02	72.60	18.67		80.0	
		Z	4.67	71.98	18.34		80.0	
10490-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.75	71.05	18.03	2.23	80.0	± 9.6 %
		Y	5.07	72.23	18.56		80.0	
		Z	4.74	71.67	18.24		80.0	
10491-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.25	73.59	18.95	2.23	80.0	± 9.6 %
		Y	5.80	75.30	19.65		80.0	
		Z	5.32	74.46	19.33		80.0	
10492-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.94	70.41	17.99	2.23	80.0	± 9.6 %
		Y	5.21	71.41	18.42		80.0	
		Z	4.89	70.85	18.17		80.0	

10493-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.00	70.23	17.94	2.23	80.0	± 9.6 %
		Y	5.25	71.18	18.35		80.0	
		Z	4.94	70.65	18.11		80.0	
10494-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.77	75.18	19.38	2.23	80.0	± 9.6 %
		Y	6.51	77.24	20.19		80.0	
		Z	5.91	76.23	19.83		80.0	
10495-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.02	70.92	18.19	2.23	80.0	± 9.6 %
		Y	5.32	71.99	18.65		80.0	
		Z	4.98	71.36	18.38		80.0	
10496-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.07	70.56	18.09	2.23	80.0	± 9.6 %
		Y	5.34	71.53	18.51		80.0	
		Z	5.01	70.96	18.27		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.86	72.54	16.62	2.23	80.0	± 9.6 %
		Y	4.99	76.26	18.22		80.0	
		Z	3.91	73.12	16.47		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.11	67.19	13.57	2.23	80.0	± 9.6 %
		Y	3.71	69.63	14.80		80.0	
		Z	2.77	66.23	12.69		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.05	66.68	13.23	2.23	80.0	± 9.6 %
		Y	3.62	69.02	14.43		80.0	
		Z	2.68	65.57	12.26		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.09	75.81	19.42	2.23	80.0	± 9.6 %
		Y	6.01	78.50	20.51		80.0	
		Z	5.40	77.46	19.99		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.57	71.58	17.65	2.23	80.0	± 9.6 %
		Y	5.00	73.09	18.34		80.0	
		Z	4.62	72.38	17.84		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.61	71.37	17.53	2.23	80.0	± 9.6 %
		Y	5.03	72.81	18.20		80.0	
		Z	4.65	72.12	17.70		80.0	
10503-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.24	75.43	19.52	2.23	80.0	± 9.6 %
		Y	6.04	77.79	20.47		80.0	
		Z	5.43	76.74	20.03		80.0	
10504-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.65	71.24	18.06	2.23	80.0	± 9.6 %
		Y	5.00	72.52	18.63		80.0	
		Z	4.65	71.88	18.28		80.0	
10505-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.72	70.97	17.98	2.23	80.0	± 9.6 %
		Y	5.05	72.14	18.51		80.0	
		Z	4.71	71.57	18.19		80.0	
10506-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.72	75.04	19.31	2.23	80.0	± 9.6 %
		Y	6.46	77.10	20.12		80.0	
		Z	5.86	76.07	19.76		80.0	
10507-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.00	70.86	18.16	2.23	80.0	± 9.6 %
		Y	5.30	71.93	18.61		80.0	
		Z	4.96	71.29	18.35		80.0	

10508-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.05	70.49	18.05	2.23	80.0	± 9.6 %
		Y	5.32	71.47	18.47		80.0	
		Z	5.00	70.89	18.22		80.0	
10509-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.79	73.26	18.66	2.23	80.0	± 9.6 %
		Y	6.30	74.77	19.26		80.0	
		Z	5.83	73.95	18.98		80.0	
10510-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.44	70.40	18.06	2.23	80.0	± 9.6 %
		Y	5.70	71.30	18.43		80.0	
		Z	5.37	70.70	18.20		80.0	
10511-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.47	70.09	17.99	2.23	80.0	± 9.6 %
		Y	5.70	70.93	18.33		80.0	
		Z	5.39	70.37	18.12		80.0	
10512-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.19	74.99	19.17	2.23	80.0	± 9.6 %
		Y	6.94	76.94	19.92		80.0	
		Z	6.32	75.89	19.56		80.0	
10513-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.37	70.83	18.21	2.23	80.0	± 9.6 %
		Y	5.66	71.83	18.62		80.0	
		Z	5.31	71.14	18.36		80.0	
10514-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.34	70.33	18.07	2.23	80.0	± 9.6 %
		Y	5.59	71.24	18.45		80.0	
		Z	5.27	70.61	18.21		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.92	62.50	13.99	0.00	150.0	± 9.6 %
		Y	0.97	63.73	15.04		150.0	
		Z	0.92	62.80	14.21		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.48	67.10	14.61	0.00	150.0	± 9.6 %
		Y	0.75	75.19	19.48		150.0	
		Z	0.51	68.45	15.49		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.76	63.99	14.24	0.00	150.0	± 9.6 %
		Y	0.84	66.19	15.95		150.0	
		Z	0.76	64.44	14.58		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.60	66.62	16.08	0.00	150.0	± 9.6 %
		Y	4.64	66.98	16.27		150.0	
		Z	4.55	66.74	16.11		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.82	66.92	16.23	0.00	150.0	± 9.6 %
		Y	4.86	67.27	16.41		150.0	
		Z	4.75	67.01	16.25		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.67	66.88	16.14	0.00	150.0	± 9.6 %
		Y	4.71	67.25	16.33		150.0	
		Z	4.60	66.96	16.16		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.60	66.87	16.12	0.00	150.0	± 9.6 %
		Y	4.64	67.26	16.32		150.0	
		Z	4.53	66.96	16.15		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.65	66.87	16.17	0.00	150.0	± 9.6 %
		Y	4.69	67.24	16.36		150.0	
		Z	4.59	67.01	16.21		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.52	66.75	16.01	0.00	150.0	± 9.6 %
		Y	4.56	67.14	16.21		150.0	
		Z	4.46	66.87	16.05		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.60	66.82	16.15	0.00	150.0	± 9.6 %
		Y	4.64	67.20	16.34		150.0	
		Z	4.53	66.94	16.19		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.56	65.84	15.73	0.00	150.0	± 9.6 %
		Y	4.60	66.23	15.93		150.0	
		Z	4.51	65.97	15.77		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.75	66.24	15.88	0.00	150.0	± 9.6 %
		Y	4.80	66.63	16.08		150.0	
		Z	4.69	66.35	15.92		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.67	66.20	15.83	0.00	150.0	± 9.6 %
		Y	4.71	66.61	16.03		150.0	
		Z	4.61	66.31	15.86		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.69	66.23	15.86	0.00	150.0	± 9.6 %
		Y	4.73	66.63	16.07		150.0	
		Z	4.62	66.33	15.90		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.69	66.23	15.86	0.00	150.0	± 9.6 %
		Y	4.73	66.63	16.07		150.0	
		Z	4.62	66.33	15.90		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.69	66.36	15.88	0.00	150.0	± 9.6 %
		Y	4.74	66.78	16.09		150.0	
		Z	4.62	66.45	15.91		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.54	66.21	15.82	0.00	150.0	± 9.6 %
		Y	4.59	66.65	16.04		150.0	
		Z	4.48	66.30	15.84		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.70	66.25	15.84	0.00	150.0	± 9.6 %
		Y	4.75	66.65	16.04		150.0	
		Z	4.63	66.37	15.88		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.21	66.43	15.95	0.00	150.0	± 9.6 %
		Y	5.24	66.77	16.11		150.0	
		Z	5.16	66.50	15.98		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.28	66.56	16.01	0.00	150.0	± 9.6 %
		Y	5.31	66.91	16.16		150.0	
		Z	5.22	66.66	16.05		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.15	66.54	15.98	0.00	150.0	± 9.6 %
		Y	5.18	66.90	16.14		150.0	
		Z	5.09	66.61	16.01		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.21	66.53	15.98	0.00	150.0	± 9.6 %
		Y	5.24	66.87	16.13		150.0	
		Z	5.15	66.59	16.00		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.33	66.61	16.06	0.00	150.0	± 9.6 %
		Y	5.36	66.94	16.20		150.0	
		Z	5.25	66.64	16.07		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.23	66.55	16.04	0.00	150.0	± 9.6 %
		Y	5.26	66.88	16.19		150.0	
		Z	5.17	66.62	16.07		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.21	66.44	15.99	0.00	150.0	± 9.6 %
		Y	5.24	66.80	16.15		150.0	
		Z	5.14	66.49	16.00		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.37	66.51	16.04	0.00	150.0	± 9.6 %
		Y	5.39	66.83	16.18		150.0	
		Z	5.30	66.57	16.06		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.45	66.53	16.06	0.00	150.0	± 9.6 %
		Y	5.48	66.85	16.20		150.0	
		Z	5.39	66.62	16.10		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.50	66.54	15.95	0.00	150.0	± 9.6 %
		Y	5.52	66.88	16.09		150.0	
		Z	5.45	66.61	15.97		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.72	66.99	16.12	0.00	150.0	± 9.6 %
		Y	5.73	67.26	16.22		150.0	
		Z	5.66	67.05	16.14		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.59	66.83	16.05	0.00	150.0	± 9.6 %
		Y	5.62	67.16	16.19		150.0	
		Z	5.54	66.86	16.06		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.68	66.90	16.08	0.00	150.0	± 9.6 %
		Y	5.71	67.24	16.22		150.0	
		Z	5.62	66.94	16.09		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	6.05	68.17	16.68	0.00	150.0	± 9.6 %
		Y	5.97	68.18	16.66		150.0	
		Z	5.94	68.05	16.62		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.61	66.78	16.04	0.00	150.0	± 9.6 %
		Y	5.64	67.11	16.18		150.0	
		Z	5.56	66.84	16.06		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.63	66.87	16.04	0.00	150.0	± 9.6 %
		Y	5.65	67.20	16.18		150.0	
		Z	5.56	66.89	16.05		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.52	66.62	15.93	0.00	150.0	± 9.6 %
		Y	5.55	66.97	16.08		150.0	
		Z	5.47	66.67	15.95		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.62	66.68	15.99	0.00	150.0	± 9.6 %
		Y	5.65	67.02	16.13		150.0	
		Z	5.56	66.73	16.01		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.90	66.94	16.06	0.00	150.0	± 9.6 %
		Y	5.92	67.25	16.18		150.0	
		Z	5.86	66.99	16.08		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.05	67.28	16.20	0.00	150.0	± 9.6 %
		Y	6.07	67.58	16.32		150.0	
		Z	6.00	67.31	16.21		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.07	67.30	16.21	0.00	150.0	± 9.6 %
		Y	6.08	67.59	16.32		150.0	
		Z	6.02	67.35	16.22		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.05	67.25	16.21	0.00	150.0	± 9.6 %
		Y	6.06	67.56	16.33		150.0	
		Z	5.99	67.27	16.21		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.11	67.46	16.32	0.00	150.0	± 9.6 %
		Y	6.12	67.74	16.43		150.0	
		Z	6.05	67.45	16.31		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.10	67.26	16.26	0.00	150.0	± 9.6 %
		Y	6.12	67.59	16.39		150.0	
		Z	6.04	67.28	16.26		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	6.01	67.23	16.28	0.00	150.0	± 9.6 %
		Y	6.03	67.54	16.41		150.0	
		Z	5.96	67.25	16.29		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.19	67.75	16.55	0.00	150.0	± 9.6 %
		Y	6.18	68.00	16.64		150.0	
		Z	6.10	67.71	16.52		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.54	68.34	16.79	0.00	150.0	± 9.6 %
		Y	6.48	68.44	16.80		150.0	
		Z	6.47	68.36	16.79		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.95	66.78	16.29	0.46	150.0	± 9.6 %
		Y	4.98	67.12	16.46		150.0	
		Z	4.89	66.87	16.31		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	5.21	67.26	16.62	0.46	150.0	± 9.6 %
		Y	5.24	67.59	16.77		150.0	
		Z	5.13	67.34	16.63		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	5.04	67.13	16.44	0.46	150.0	± 9.6 %
		Y	5.08	67.47	16.61		150.0	
		Z	4.97	67.19	16.45		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	5.06	67.49	16.77	0.46	150.0	± 9.6 %
		Y	5.10	67.83	16.93		150.0	
		Z	4.99	67.57	16.79		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.95	66.87	16.20	0.46	150.0	± 9.6 %
		Y	4.99	67.23	16.38		150.0	
		Z	4.89	66.97	16.23		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	5.00	67.52	16.80	0.46	150.0	± 9.6 %
		Y	5.04	67.85	16.94		150.0	
		Z	4.94	67.63	16.84		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	5.05	67.37	16.74	0.46	150.0	± 9.6 %
		Y	5.09	67.70	16.90		150.0	
		Z	4.98	67.49	16.78		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.29	65.24	15.56	0.46	130.0	± 9.6 %
		Y	1.38	66.75	16.61		130.0	
		Z	1.28	65.57	15.79		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.31	65.82	15.90	0.46	130.0	± 9.6 %
		Y	1.41	67.45	17.00		130.0	
		Z	1.30	66.20	16.15		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	2.36	83.18	21.01	0.46	130.0	± 9.6 %
		Y	13.78	112.12	30.35		130.0	
		Z	3.43	89.56	23.26		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.49	71.50	18.49	0.46	130.0	± 9.6 %
		Y	1.79	75.21	20.51		130.0	
		Z	1.53	72.59	19.09		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.78	66.67	16.40	0.46	130.0	± 9.6 %
		Y	4.81	67.00	16.56		130.0	
		Z	4.71	66.77	16.42		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.80	66.82	16.46	0.46	130.0	± 9.6 %
		Y	4.83	67.14	16.61		130.0	
		Z	4.74	66.92	16.48		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	5.03	67.15	16.64	0.46	130.0	± 9.6 %
		Y	5.06	67.47	16.78		130.0	
		Z	4.95	67.23	16.66		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.92	67.31	16.73	0.46	130.0	± 9.6 %
		Y	4.96	67.63	16.88		130.0	
		Z	4.85	67.39	16.75		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.70	66.68	16.09	0.46	130.0	± 9.6 %
		Y	4.74	67.05	16.28		130.0	
		Z	4.63	66.73	16.09		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.75	66.66	16.09	0.46	130.0	± 9.6 %
		Y	4.78	67.02	16.28		130.0	
		Z	4.67	66.74	16.10		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.83	67.37	16.68	0.46	130.0	± 9.6 %
		Y	4.87	67.72	16.84		130.0	
		Z	4.75	67.45	16.70		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.66	66.44	15.90	0.46	130.0	± 9.6 %
		Y	4.70	66.81	16.09		130.0	
		Z	4.57	66.49	15.89		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.78	66.67	16.40	0.46	130.0	± 9.6 %
		Y	4.81	67.00	16.56		130.0	
		Z	4.71	66.77	16.42		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.80	66.82	16.46	0.46	130.0	± 9.6 %
		Y	4.83	67.14	16.61		130.0	
		Z	4.74	66.92	16.48		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	5.03	67.15	16.64	0.46	130.0	± 9.6 %
		Y	5.06	67.47	16.78		130.0	
		Z	4.95	67.23	16.66		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.92	67.31	16.73	0.46	130.0	± 9.6 %
		Y	4.96	67.63	16.88		130.0	
		Z	4.85	67.39	16.75		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.70	66.68	16.09	0.46	130.0	± 9.6 %
		Y	4.74	67.05	16.28		130.0	
		Z	4.63	66.73	16.09		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.75	66.66	16.09	0.46	130.0	± 9.6 %
		Y	4.78	67.02	16.28		130.0	
		Z	4.67	66.74	16.10		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.83	67.37	16.68	0.46	130.0	± 9.6 %
		Y	4.87	67.72	16.84		130.0	
		Z	4.75	67.45	16.70		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.66	66.44	15.90	0.46	130.0	± 9.6 %
		Y	4.70	66.81	16.09		130.0	
		Z	4.57	66.49	15.89		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.93	66.73	16.50	0.46	130.0	± 9.6 %
		Y	4.95	67.04	16.64		130.0	
		Z	4.86	66.82	16.52		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.10	67.07	16.63	0.46	130.0	± 9.6 %
		Y	5.13	67.38	16.76		130.0	
		Z	5.02	67.16	16.65		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.03	67.02	16.53	0.46	130.0	± 9.6 %
		Y	5.06	67.34	16.67		130.0	
		Z	4.95	67.09	16.54		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	5.08	67.17	16.67	0.46	130.0	± 9.6 %
		Y	5.11	67.48	16.81		130.0	
		Z	5.00	67.25	16.69		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	5.05	67.13	16.57	0.46	130.0	± 9.6 %
		Y	5.09	67.45	16.72		130.0	
		Z	4.97	67.21	16.59		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.99	67.13	16.57	0.46	130.0	± 9.6 %
		Y	5.02	67.46	16.72		130.0	
		Z	4.91	67.21	16.59		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.94	67.06	16.47	0.46	130.0	± 9.6 %
		Y	4.98	67.40	16.63		130.0	
		Z	4.86	67.13	16.48		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.92	67.30	16.73	0.46	130.0	± 9.6 %
		Y	4.95	67.64	16.88		130.0	
		Z	4.84	67.36	16.74		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.61	67.38	16.74	0.46	130.0	± 9.6 %
		Y	5.61	67.61	16.82		130.0	
		Z	5.53	67.39	16.73		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.82	68.04	17.04	0.46	130.0	± 9.6 %
		Y	5.79	68.15	17.06		130.0	
		Z	5.72	67.96	16.99		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.66	67.64	16.85	0.46	130.0	± 9.6 %
		Y	5.66	67.83	16.91		130.0	
		Z	5.58	67.62	16.83		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.75	67.63	16.77	0.46	130.0	± 9.6 %
		Y	5.75	67.83	16.84		130.0	
		Z	5.66	67.62	16.75		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.83	67.92	17.04	0.46	130.0	± 9.6 %
		Y	5.84	68.17	17.13		130.0	
		Z	5.75	67.92	17.03		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.61	67.34	16.74	0.46	130.0	± 9.6 %
		Y	5.61	67.57	16.82		130.0	
		Z	5.53	67.35	16.73		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.72	67.66	16.90	0.46	130.0	± 9.6 %
		Y	5.72	67.86	16.97		130.0	
		Z	5.66	67.72	16.92		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.48	67.08	16.48	0.46	130.0	± 9.6 %
		Y	5.50	67.38	16.61		130.0	
		Z	5.41	67.12	16.48		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.75	65.99	16.09	0.46	130.0	± 9.6 %
		Y	4.78	66.32	16.24		130.0	
		Z	4.69	66.10	16.12		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.96	66.41	16.25	0.46	130.0	± 9.6 %
		Y	4.99	66.75	16.41		130.0	
		Z	4.89	66.52	16.28		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.85	66.28	16.10	0.46	130.0	± 9.6 %
		Y	4.88	66.64	16.28		130.0	
		Z	4.78	66.38	16.13		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.90	66.44	16.26	0.46	130.0	± 9.6 %
		Y	4.94	66.79	16.43		130.0	
		Z	4.83	66.53	16.29		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.82	66.27	16.13	0.46	130.0	± 9.6 %
		Y	4.86	66.63	16.29		130.0	
		Z	4.75	66.35	16.14		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.84	66.42	16.16	0.46	130.0	± 9.6 %
		Y	4.88	66.79	16.34		130.0	
		Z	4.76	66.51	16.19		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.85	66.34	16.07	0.46	130.0	± 9.6 %
		Y	4.89	66.72	16.25		130.0	
		Z	4.77	66.42	16.08		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.78	66.51	16.28	0.46	130.0	± 9.6 %
		Y	4.82	66.88	16.46		130.0	
		Z	4.71	66.59	16.31		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.82	66.09	15.91	0.46	130.0	± 9.6 %
		Y	4.86	66.46	16.09		130.0	
		Z	4.75	66.18	15.93		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.41	66.58	16.31	0.46	130.0	± 9.6 %
		Y	5.42	66.86	16.42		130.0	
		Z	5.34	66.63	16.33		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.46	66.67	16.33	0.46	130.0	± 9.6 %
		Y	5.48	66.96	16.44		130.0	
		Z	5.41	66.77	16.37		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.36	66.74	16.38	0.46	130.0	± 9.6 %
		Y	5.38	67.04	16.50		130.0	
		Z	5.30	66.80	16.40		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.38	66.57	16.23	0.46	130.0	± 9.6 %
		Y	5.40	66.88	16.36		130.0	
		Z	5.32	66.65	16.26		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.50	66.70	16.35	0.46	130.0	± 9.6 %
		Y	5.52	66.98	16.46		130.0	
		Z	5.42	66.71	16.34		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.47	66.73	16.48	0.46	130.0	± 9.6 %
		Y	5.49	67.03	16.59		130.0	
		Z	5.40	66.78	16.49		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.47	66.86	16.53	0.46	130.0	± 9.6 %
		Y	5.49	67.13	16.63		130.0	
		Z	5.42	66.94	16.56		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.36	66.43	16.20	0.46	130.0	± 9.6 %
		Y	5.39	66.76	16.34		130.0	
		Z	5.29	66.47	16.21		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.56	66.64	16.37	0.46	130.0	± 9.6 %
		Y	5.57	66.89	16.47		130.0	
		Z	5.49	66.69	16.38		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.00	67.82	17.01	0.46	130.0	± 9.6 %
		Y	5.94	67.87	17.00		130.0	
		Z	5.92	67.84	17.00		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.66	66.60	16.25	0.46	130.0	± 9.6 %
		Y	5.68	66.90	16.36		130.0	
		Z	5.62	66.67	16.27		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.94	67.22	16.51	0.46	130.0	± 9.6 %
		Y	5.92	67.41	16.57		130.0	
		Z	5.88	67.28	16.54		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.74	66.79	16.24	0.46	130.0	± 9.6 %
		Y	5.75	67.08	16.35		130.0	
		Z	5.67	66.82	16.24		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.82	66.86	16.27	0.46	130.0	± 9.6 %
		Y	5.83	67.14	16.37		130.0	
		Z	5.76	66.90	16.28		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.47	68.95	17.30	0.46	130.0	± 9.6 %
		Y	6.33	68.81	17.20		130.0	
		Z	6.32	68.74	17.19		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.26	68.44	17.24	0.46	130.0	± 9.6 %
		Y	6.22	68.55	17.25		130.0	
		Z	6.14	68.32	17.17		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.90	67.24	16.66	0.46	130.0	± 9.6 %
		Y	5.90	67.49	16.74		130.0	
		Z	5.84	67.30	16.68		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.83	67.03	16.39	0.46	130.0	± 9.6 %
		Y	5.84	67.32	16.49		130.0	
		Z	5.74	66.97	16.35		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.79	66.98	16.42	0.46	130.0	± 9.6 %
		Y	5.82	67.30	16.54		130.0	
		Z	5.72	66.98	16.41		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.69	66.37	15.86	0.46	130.0	± 9.6 %
		Y	5.71	66.69	15.99		130.0	
		Z	5.61	66.36	15.84		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.08	67.02	16.37	0.46	130.0	± 9.6 %
		Y	6.08	67.28	16.45		130.0	
		Z	6.04	67.06	16.38		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.26	67.43	16.55	0.46	130.0	± 9.6 %
		Y	6.25	67.66	16.62		130.0	
		Z	6.20	67.46	16.56		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.25	67.40	16.51	0.46	130.0	± 9.6 %
		Y	6.25	67.63	16.58		130.0	
		Z	6.20	67.43	16.52		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.25	67.40	16.56	0.46	130.0	± 9.6 %
		Y	6.25	67.65	16.64		130.0	
		Z	6.18	67.40	16.55		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.29	67.50	16.55	0.46	130.0	± 9.6 %
		Y	6.28	67.73	16.63		130.0	
		Z	6.20	67.45	16.52		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.27	67.22	16.43	0.46	130.0	± 9.6 %
		Y	6.27	67.48	16.52		130.0	
		Z	6.22	67.26	16.44		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.33	67.53	16.75	0.46	130.0	± 9.6 %
		Y	6.34	67.80	16.83		130.0	
		Z	6.27	67.55	16.75		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.17	67.23	16.50	0.46	130.0	± 9.6 %
		Y	6.17	67.49	16.60		130.0	
		Z	6.11	67.24	16.50		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.41	67.97	16.90	0.46	130.0	± 9.6 %
		Y	6.39	68.16	16.95		130.0	
		Z	6.31	67.87	16.83		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.80	68.63	17.17	0.46	130.0	± 9.6 %
		Y	6.72	68.67	17.15		130.0	
		Z	6.81	68.89	17.29		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	24.55	106.53	35.17	9.30	60.0	± 9.6 %
		Y	31.89	112.37	36.91		60.0	
		Z	38.26	118.51	38.91		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	25.24	107.93	35.72	9.30	60.0	± 9.6 %
		Y	33.80	114.50	37.67		60.0	
		Z	39.09	119.87	39.44		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.69	62.98	10.52	0.00	150.0	± 9.6 %
		Y	0.80	65.16	12.22		150.0	
		Z	0.66	63.02	10.29		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	4.37	68.24	17.12	2.23	80.0	± 9.6 %
		Y	4.55	69.07	17.52		80.0	
		Z	4.32	68.59	17.21		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.86	67.62	17.24	2.23	80.0	± 9.6 %
		Y	5.00	68.27	17.53		80.0	
		Z	4.79	67.81	17.30		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.80	67.31	17.24	2.23	80.0	± 9.6 %
		Y	4.92	67.94	17.52		80.0	
		Z	4.74	67.48	17.30		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.86	67.35	17.29	2.23	80.0	± 9.6 %
		Y	4.98	67.98	17.57		80.0	
		Z	4.79	67.48	17.34		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	11.78	84.57	22.80	10.00	50.0	± 9.6 %
		Y	11.52	83.95	22.54		50.0	
		Z	14.66	88.44	23.55		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	25.01	97.10	25.23	6.99	60.0	± 9.6 %
		Y	24.28	96.53	25.07		60.0	
		Z	74.26	111.90	28.50		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	114.64	27.52	3.98	80.0	± 9.6 %
		Y	100.00	115.23	27.86		80.0	
		Z	100.00	113.16	26.57		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	113.80	25.65	2.22	100.0	± 9.6 %
		Y	100.00	116.06	26.74		100.0	
		Z	100.00	112.55	24.88		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	112.40	23.15	0.97	120.0	± 9.6 %
		Y	100.00	120.75	26.76		120.0	
		Z	100.00	111.39	22.56		120.0	

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Calibration Laboratory of
Schmid & Partner
Engineering AG
Zeughausstrasse 43, 8004 Zurich, Switzerland

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Accreditation No.: SCS 0108

Client **PC Test**

Certificate No: EX3-3837_Mar18

CALIBRATION CERTIFICATE

Object	EX3DV4 - SN:3837
Calibration procedure(s)	QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v4, QA CAL-23.v5, QA CAL-25.v6 Calibration procedure for dosimetric E-field probes
Calibration date:	March 16, 2018

SC ✓
3/21/18

This calibration certificate documents the traceability to national standards, which realize the physical units of measurements (SI).
The measurements and the uncertainties with confidence probability are given on the following pages and are part of the certificate.

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-17 (No. 217-02521/02522)	Apr-18
Power sensor NRP-Z91	SN: 103244	04-Apr-17 (No. 217-02521)	Apr-18
Power sensor NRP-Z91	SN: 103245	04-Apr-17 (No. 217-02525)	Apr-18
Reference 20 dB Attenuator	SN: S5277 (20x)	07-Apr-17 (No. 217-02528)	Apr-18
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Dec-18
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-17)	In house check: Oct-18

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: March 17, 2018

This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Glossary:

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
b) IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from hand-held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- *NORMx,y,z:* Assessed for E-field polarization $\vartheta = 0$ ($f \leq 900$ MHz in TEM-cell; $f > 1800$ MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E^2-field uncertainty inside TSL (see below *ConvF*).
- *NORM(f)x,y,z = NORMx,y,z * frequency_response* (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of *ConvF*.
- *DCPx,y,z:* DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- *PAR:* PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- *Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D* are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. *VR* is the maximum calibration range expressed in RMS voltage across the diode.
- *ConvF and Boundary Effect Parameters:* Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \leq 800$ MHz) and inside waveguide using analytical field distributions based on power measurements for $f > 800$ MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to *NORMx,y,z * ConvF* whereby the uncertainty corresponds to that given for *ConvF*. A frequency dependent *ConvF* is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- *Spherical isotropy (3D deviation from isotropy)*: in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- *Sensor Offset*: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- *Connector Angle*: The angle is assessed using the information gained by determining the *NORMx* (no uncertainty required).

Probe EX3DV4

SN:3837

Manufactured:	November 7, 2011
Calibrated:	March 16, 2018

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3837

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	0.46	0.46	0.24	± 10.1 %
DCP (mV)[B]	100.0	95.0	91.4	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB$\sqrt{\mu V}$	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	133.6	±2.5 %
		Y	0.0	0.0	1.0		132.0	
		Z	0.0	0.0	1.0		134.4	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	45.57	340.2	35.78	10.62	0.398	5.043	1.258	0.358	1.006
Y	52.82	412.7	38.56	10.70	0.721	5.066	0.000	0.679	1.010
Z	55.06	428.3	38.40	7.269	0.741	5.034	0.000	0.592	1.006

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

[A] The uncertainties of Norm X,Y,Z do not affect the E^2-field uncertainty inside TSL (see Pages 5 and 6).
[B] Numerical linearization parameter: uncertainty not required.
[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3837

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
30	55.0	0.75	14.25	14.25	14.25	0.00	1.00	± 13.3 %
5250	35.9	4.71	5.50	5.50	5.50	0.35	1.80	± 13.1 %
5600	35.5	5.07	4.88	4.88	4.88	0.40	1.80	± 13.1 %
5750	35.4	5.22	5.04	5.04	5.04	0.40	1.80	± 13.1 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

[G] Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3837

Calibration Parameter Determined in Body Tissue Simulating Media

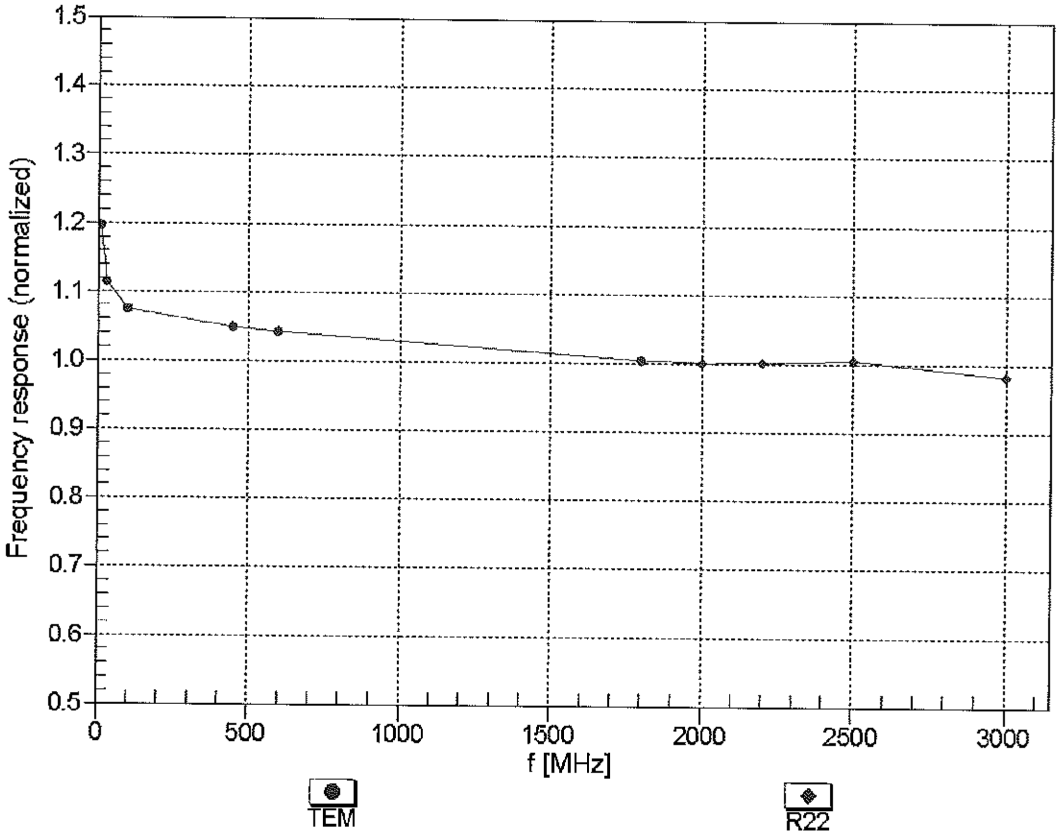
f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
5250	48.9	5.36	4.84	4.84	4.84	0.45	1.90	± 13.1 %
5600	48.5	5.77	4.13	4.13	4.13	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.43	4.43	4.43	0.50	1.90	± 13.1 %

[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

[F] At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

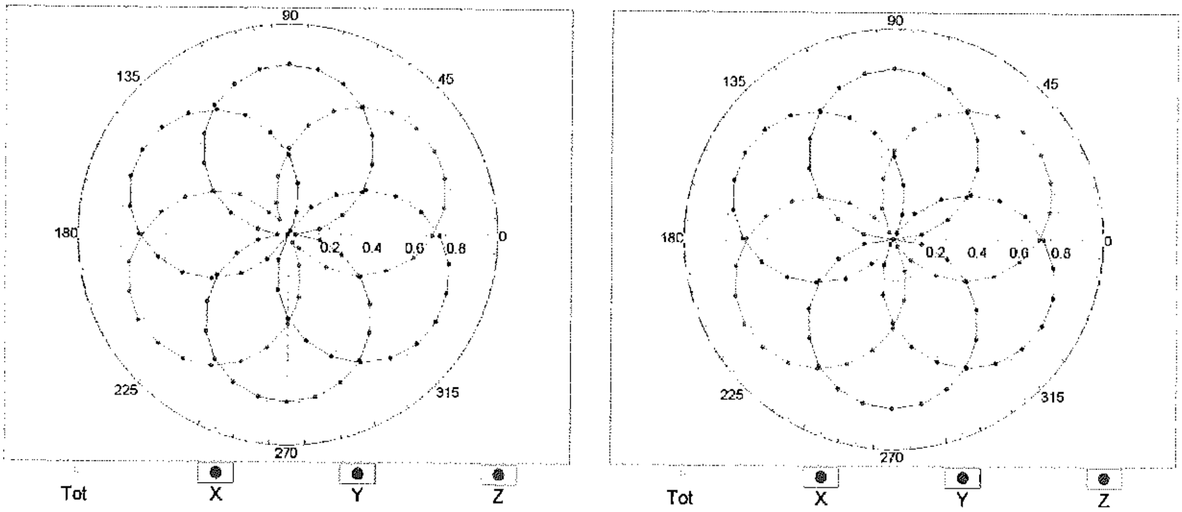
[G] Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



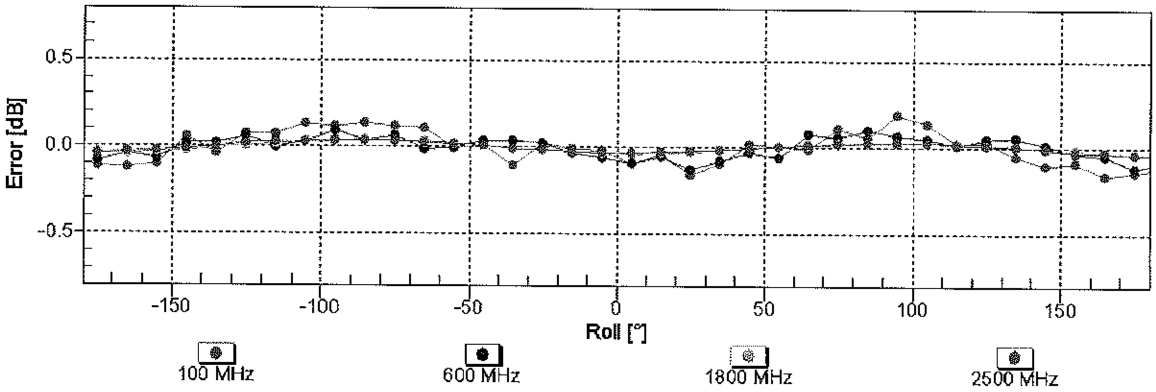
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

Receiving Pattern (φ), ϑ = 0°



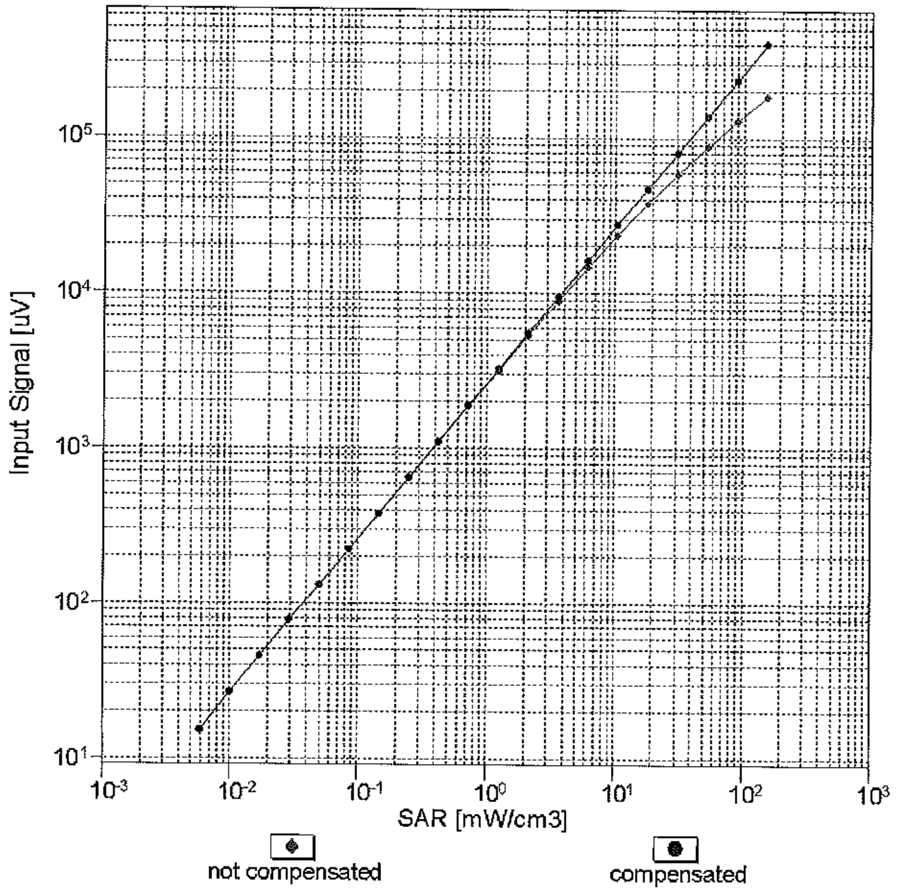
f=600 MHz,TEM

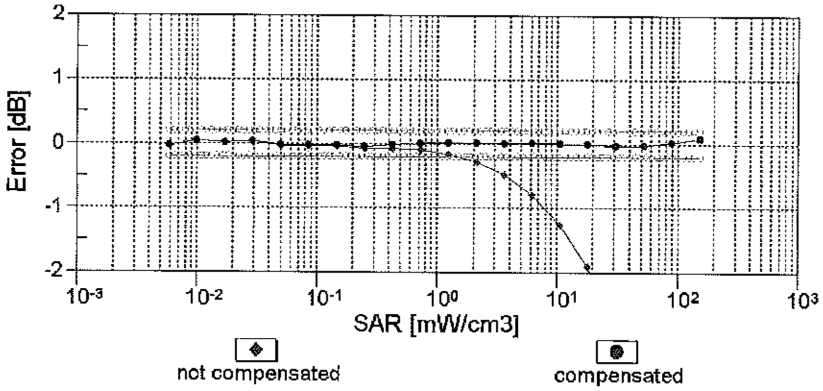
f=1800 MHz,R22



Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR$_{head}$)
(TEM cell , f$_{eval}$= 1900 MHz)

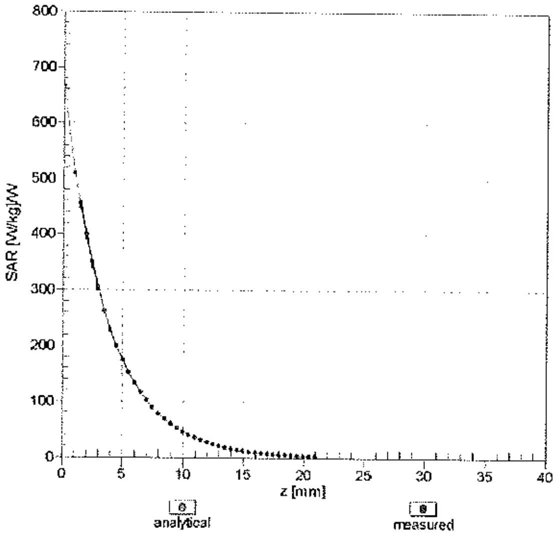




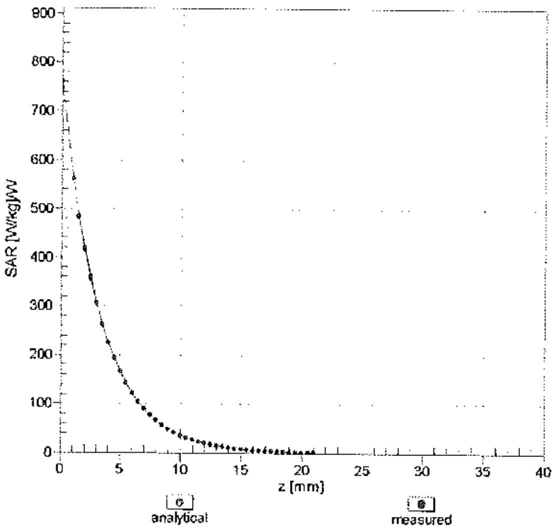
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 5250 MHz,WGLS R58 (H_convF)-SCS

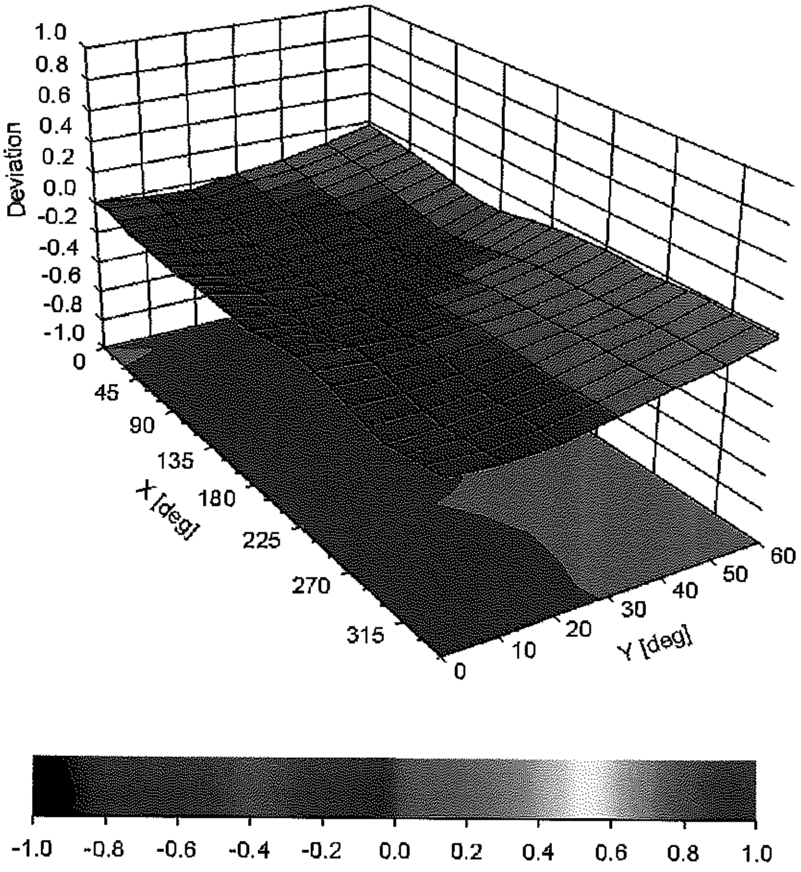


f = 5750 MHz,WGLS R58 (H_convF)-SCS



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz



Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:3837

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	74.7
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	133.6	± 2.5 %
		Y	0.00	0.00	1.00		132.0	
		Z	0.00	0.00	1.00		134.4	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	2.03	64.95	9.51	10.00	20.0	± 9.6 %
		Y	1.97	63.98	9.16		20.0	
		Z	1.85	63.08	8.50		20.0	
10011-CAB	UMTS-FDD (WCDMA)	X	1.28	72.25	18.00	0.00	150.0	± 9.6 %
		Y	0.93	66.60	14.42		150.0	
		Z	1.13	70.25	16.68		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.18	64.97	16.30	0.41	150.0	± 9.6 %
		Y	1.06	63.26	14.90		150.0	
		Z	1.09	64.06	15.74		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.83	66.83	17.25	1.46	150.0	± 9.6 %
		Y	4.84	66.39	17.06		150.0	
		Z	4.85	66.45	17.14		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	100.00	110.75	25.49	9.39	50.0	± 9.6 %
		Y	100.00	111.10	25.91		50.0	
		Z	48.02	100.28	22.67		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	100.00	110.33	25.35	9.57	50.0	± 9.6 %
		Y	100.00	110.88	25.86		50.0	
		Z	19.64	89.95	19.98		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	110.84	24.47	6.56	60.0	± 9.6 %
		Y	100.00	108.80	23.72		60.0	
		Z	100.00	106.11	22.30		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	5.45	80.17	31.75	12.57	50.0	± 9.6 %
		Y	3.93	68.30	24.95		50.0	
		Z	3.54	65.29	22.96		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	9.53	95.10	34.35	9.56	60.0	± 9.6 %
		Y	8.87	91.37	32.43		60.0	
		Z	7.83	88.30	31.08		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	112.83	24.58	4.80	80.0	± 9.6 %
		Y	100.00	107.21	22.22		80.0	
		Z	100.00	104.35	20.69		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	116.67	25.52	3.55	100.0	± 9.6 %
		Y	100.00	105.18	20.65		100.0	
		Z	100.00	102.00	19.00		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	5.56	82.09	28.08	7.80	80.0	± 9.6 %
		Y	5.61	81.11	27.31		80.0	
		Z	5.04	78.94	26.34		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	109.70	23.52	5.30	70.0	± 9.6 %
		Y	100.00	106.53	22.24		70.0	
		Z	100.00	103.90	20.83		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	117.25	24.30	1.88	100.0	± 9.6 %
		Y	0.36	61.16	5.47		100.0	
		Z	0.24	60.00	4.36		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	142.46	32.89	1.17	100.0	± 9.6 %
		Y	0.19	60.00	3.50		100.0	
		Z	47.65	61.02	1.54		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	75.36	125.33	33.61	5.30	70.0	± 9.6 %
		Y	17.26	101.58	27.60		70.0	
		Z	12.23	96.92	26.29		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	9.06	94.35	24.05	1.88	100.0	± 9.6 %
		Y	2.87	77.35	18.29		100.0	
		Z	3.15	79.89	19.62		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	4.40	85.21	20.99	1.17	100.0	± 9.6 %
		Y	1.80	71.96	15.84		100.0	
		Z	2.08	75.09	17.57		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	100.00	130.25	34.85	5.30	70.0	± 9.6 %
		Y	31.85	111.50	30.35		70.0	
		Z	21.04	105.76	28.87		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	7.39	91.62	23.22	1.88	100.0	± 9.6 %
		Y	2.68	76.50	17.93		100.0	
		Z	2.89	78.82	19.19		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	4.58	86.18	21.46	1.17	100.0	± 9.6 %
		Y	1.83	72.50	16.18		100.0	
		Z	2.15	75.86	18.00		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	4.21	84.26	20.24	0.00	150.0	± 9.6 %
		Y	1.58	69.80	14.38		150.0	
		Z	2.61	77.09	17.86		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	100.00	107.13	23.10	7.78	50.0	± 9.6 %
		Y	100.00	106.13	22.81		50.0	
		Z	5.57	76.12	14.29		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.01	119.48	4.98	0.00	150.0	± 9.6 %
		Y	0.20	127.74	0.55		150.0	
		Z	0.17	132.08	12.71		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	35.57	95.27	22.61	13.80	25.0	± 9.6 %
		Y	13.44	83.93	20.02		25.0	
		Z	6.71	73.54	16.05		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	100.00	109.17	25.17	10.79	40.0	± 9.6 %
		Y	18.00	89.53	20.64		40.0	
		Z	6.88	76.63	16.02		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	123.08	32.78	9.03	50.0	± 9.6 %
		Y	23.83	100.47	27.19		50.0	
		Z	16.38	93.88	24.93		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	4.26	76.58	24.95	6.55	100.0	± 9.6 %
		Y	4.34	76.15	24.46		100.0	
		Z	3.96	74.54	23.77		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.22	66.27	17.02	0.61	110.0	± 9.6 %
		Y	1.10	64.38	15.54		110.0	
		Z	1.11	65.15	16.35		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	145.56	38.66	1.30	110.0	± 9.6 %
		Y	79.31	131.95	33.33		110.0	
		Z	100.00	140.55	36.12		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	4.10	89.25	26.11	2.04	110.0	± 9.6 %
		Y	2.95	82.10	22.86		110.0	
		Z	2.81	82.64	23.42		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.65	66.90	16.74	0.49	100.0	± 9.6 %
		Y	4.65	66.39	16.48		100.0	
		Z	4.69	66.55	16.65		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.66	66.98	16.83	0.72	100.0	± 9.6 %
		Y	4.66	66.49	16.58		100.0	
		Z	4.70	66.63	16.74		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.94	67.22	17.03	0.86	100.0	± 9.6 %
		Y	4.97	66.79	16.84		100.0	
		Z	5.01	66.93	16.98		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.80	67.09	17.12	1.21	100.0	± 9.6 %
		Y	4.83	66.69	16.93		100.0	
		Z	4.86	66.80	17.05		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.81	67.10	17.28	1.46	100.0	± 9.6 %
		Y	4.85	66.72	17.10		100.0	
		Z	4.87	66.80	17.20		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.09	67.23	17.69	2.04	100.0	± 9.6 %
		Y	5.14	66.84	17.53		100.0	
		Z	5.14	66.84	17.56		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.13	67.22	17.88	2.55	100.0	± 9.6 %
		Y	5.20	66.96	17.79		100.0	
		Z	5.20	66.96	17.81		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.20	67.22	18.06	2.67	100.0	± 9.6 %
		Y	5.28	66.93	17.97		100.0	
		Z	5.28	66.90	17.97		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.91	66.88	17.53	1.99	100.0	± 9.6 %
		Y	4.93	66.48	17.36		100.0	
		Z	4.94	66.50	17.42		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.88	67.19	17.74	2.30	100.0	± 9.6 %
		Y	4.92	66.83	17.59		100.0	
		Z	4.92	66.83	17.62		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.93	67.31	18.05	2.83	100.0	± 9.6 %
		Y	4.97	66.97	17.90		100.0	
		Z	4.96	66.91	17.89		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.91	67.18	18.17	3.30	100.0	± 9.6 %
		Y	4.94	66.83	18.04		100.0	
		Z	4.91	66.74	18.01		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4.93	67.25	18.46	3.82	90.0	± 9.6 %
		Y	4.98	66.98	18.37		90.0	
		Z	4.95	66.88	18.32		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	4.94	67.02	18.57	4.15	90.0	± 9.6 %
		Y	4.98	66.70	18.45		90.0	
		Z	4.93	66.56	18.37		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	4.96	67.08	18.66	4.30	90.0	± 9.6 %
		Y	5.00	66.75	18.54		90.0	
		Z	4.95	66.60	18.45		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	1.22	72.11	15.38	0.00	150.0	± 9.6 %
		Y	0.71	64.23	11.07		150.0	
		Z	0.94	68.15	13.57		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	0.46	58.22	3.03	4.77	80.0	± 9.6 %
		Y	2.52	64.99	5.75		80.0	
		Z	17.73	69.69	6.27		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	110.88	24.51	6.56	60.0	± 9.6 %
		Y	100.00	108.92	23.80		60.0	
		Z	100.00	106.22	22.37		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	2.03	70.22	17.14	0.00	150.0	± 9.6 %
		Y	1.72	66.96	15.21		150.0	
		Z	1.88	68.77	16.45		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.99	70.21	17.13	0.00	150.0	± 9.6 %
		Y	1.68	66.91	15.17		150.0	
		Z	1.84	68.75	16.42		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	9.62	95.30	34.41	9.56	60.0	± 9.6 %
		Y	8.94	91.50	32.47		60.0	
		Z	7.88	88.41	31.12		60.0	
10100-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.39	72.22	17.78	0.00	150.0	± 9.6 %
		Y	3.04	69.79	16.32		150.0	
		Z	3.32	71.43	17.27		150.0	
10101-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.31	68.32	16.51	0.00	150.0	± 9.6 %
		Y	3.18	67.17	15.74		150.0	
		Z	3.30	67.92	16.28		150.0	
10102-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.41	68.23	16.57	0.00	150.0	± 9.6 %
		Y	3.29	67.15	15.86		150.0	
		Z	3.40	67.86	16.37		150.0	
10103-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	6.20	76.40	20.96	3.98	65.0	± 9.6 %
		Y	5.84	74.64	20.13		65.0	
		Z	5.59	74.11	19.90		65.0	
10104-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	5.98	73.69	20.61	3.98	65.0	± 9.6 %
		Y	5.92	72.87	20.21		65.0	
		Z	5.64	72.17	19.91		65.0	
10105-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	5.57	72.09	20.19	3.98	65.0	± 9.6 %
		Y	5.84	72.51	20.38		65.0	
		Z	5.27	70.68	19.54		65.0	
10108-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.95	71.50	17.66	0.00	150.0	± 9.6 %
		Y	2.66	69.08	16.17		150.0	
		Z	2.91	70.73	17.16		150.0	
10109-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.97	68.35	16.51	0.00	150.0	± 9.6 %
		Y	2.84	67.00	15.64		150.0	
		Z	2.97	67.87	16.26		150.0	
10110-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.41	70.87	17.41	0.00	150.0	± 9.6 %
		Y	2.15	68.17	15.76		150.0	
		Z	2.37	69.92	16.86		150.0	
10111-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.76	69.84	17.09	0.00	150.0	± 9.6 %
		Y	2.54	67.71	15.87		150.0	
		Z	2.72	68.98	16.76		150.0	

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.09	68.29	16.53	0.00	150.0	± 9.6 %
		Y	2.97	66.99	15.71		150.0	
		Z	3.09	67.79	16.30		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.91	69.90	17.18	0.00	150.0	± 9.6 %
		Y	2.70	67.86	16.03		150.0	
		Z	2.87	69.05	16.86		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.12	67.46	16.69	0.00	150.0	± 9.6 %
		Y	5.11	66.96	16.40		150.0	
		Z	5.16	67.19	16.62		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.39	67.52	16.72	0.00	150.0	± 9.6 %
		Y	5.44	67.21	16.54		150.0	
		Z	5.52	67.50	16.78		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.21	67.64	16.70	0.00	150.0	± 9.6 %
		Y	5.22	67.22	16.46		150.0	
		Z	5.29	67.47	16.68		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.08	67.30	16.63	0.00	150.0	± 9.6 %
		Y	5.08	66.84	16.36		150.0	
		Z	5.14	67.11	16.59		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.47	67.73	16.83	0.00	150.0	± 9.6 %
		Y	5.54	67.49	16.69		150.0	
		Z	5.61	67.75	16.91		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.20	67.59	16.69	0.00	150.0	± 9.6 %
		Y	5.20	67.16	16.44		150.0	
		Z	5.26	67.41	16.66		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.44	68.23	16.48	0.00	150.0	± 9.6 %
		Y	3.33	67.14	15.77		150.0	
		Z	3.44	67.84	16.28		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.56	68.31	16.64	0.00	150.0	± 9.6 %
		Y	3.45	67.25	15.95		150.0	
		Z	3.57	67.91	16.44		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.25	71.50	17.32	0.00	150.0	± 9.6 %
		Y	1.91	68.03	15.35		150.0	
		Z	2.16	70.17	16.69		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.76	71.42	17.10	0.00	150.0	± 9.6 %
		Y	2.39	68.25	15.48		150.0	
		Z	2.64	70.08	16.68		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.35	68.05	14.99	0.00	150.0	± 9.6 %
		Y	2.18	66.04	13.91		150.0	
		Z	2.34	67.23	14.80		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.36	67.30	12.78	0.00	150.0	± 9.6 %
		Y	1.12	64.08	11.11		150.0	
		Z	1.36	66.73	12.92		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.05	66.97	11.67	0.00	150.0	± 9.6 %
		Y	2.09	66.87	12.31		150.0	
		Z	2.14	67.42	12.70		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.62	69.79	13.07	0.00	150.0	± 9.6 %
		Y	2.51	69.23	13.56		150.0	
		Z	2.66	70.25	14.16		150.0	

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.98	68.42	16.56	0.00	150.0	± 9.6 %
		Y	2.85	67.06	15.68		150.0	
		Z	2.98	67.94	16.32		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.10	68.35	16.57	0.00	150.0	± 9.6 %
		Y	2.97	67.05	15.75		150.0	
		Z	3.10	67.86	16.35		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	6.73	79.63	22.36	3.98	65.0	± 9.6 %
		Y	6.22	77.38	21.36		65.0	
		Z	5.82	76.46	21.00		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	5.54	73.78	20.36	3.98	65.0	± 9.6 %
		Y	5.45	72.82	19.92		65.0	
		Z	5.18	72.08	19.62		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	5.91	74.77	21.16	3.98	65.0	± 9.6 %
		Y	5.80	73.76	20.72		65.0	
		Z	5.51	72.99	20.42		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.48	71.44	17.74	0.00	150.0	± 9.6 %
		Y	2.20	68.63	16.05		150.0	
		Z	2.45	70.58	17.24		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.77	69.86	17.11	0.00	150.0	± 9.6 %
		Y	2.54	67.72	15.89		150.0	
		Z	2.72	68.98	16.76		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.16	72.20	17.36	0.00	150.0	± 9.6 %
		Y	1.76	68.05	15.09		150.0	
		Z	2.05	70.66	16.69		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.27	69.22	15.28	0.00	150.0	± 9.6 %
		Y	2.00	66.48	13.85		150.0	
		Z	2.21	68.13	15.00		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.92	69.98	17.23	0.00	150.0	± 9.6 %
		Y	2.71	67.92	16.08		150.0	
		Z	2.88	69.12	16.92		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.41	69.84	15.62	0.00	150.0	± 9.6 %
		Y	2.10	66.93	14.15		150.0	
		Z	2.35	68.72	15.36		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.89	70.19	17.26	0.00	150.0	± 9.6 %
		Y	2.70	68.35	16.09		150.0	
		Z	2.88	69.59	16.90		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.00	68.36	16.53	0.00	150.0	± 9.6 %
		Y	2.87	66.97	15.67		150.0	
		Z	2.99	67.81	16.30		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.11	68.50	16.63	0.00	150.0	± 9.6 %
		Y	2.98	67.10	15.78		150.0	
		Z	3.10	67.90	16.38		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.72	70.89	19.86	3.01	150.0	± 9.6 %
		Y	3.67	69.70	19.28		150.0	
		Z	3.62	69.60	19.26		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.89	74.90	20.67	3.01	150.0	± 9.6 %
		Y	4.56	72.45	19.62		150.0	
		Z	4.46	72.29	19.59		150.0	

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.65	78.00	22.32	3.01	150.0	± 9.6 %
		Y	5.11	74.92	21.06		150.0	
		Z	5.03	74.89	21.10		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.21	70.99	19.94	3.01	150.0	± 9.6 %
		Y	3.13	69.60	19.22		150.0	
		Z	3.04	69.55	19.25		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	5.20	79.96	23.31	3.01	150.0	± 9.6 %
		Y	4.44	75.73	21.57		150.0	
		Z	4.36	76.12	21.82		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.92	73.95	19.84	3.01	150.0	± 9.6 %
		Y	3.57	71.07	18.57		150.0	
		Z	3.42	70.98	18.56		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	8.65	93.75	29.69	6.02	65.0	± 9.6 %
		Y	8.02	90.08	28.24		65.0	
		Z	6.86	87.22	26.94		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	34.56	113.88	33.23	6.02	65.0	± 9.6 %
		Y	16.66	99.21	29.19		65.0	
		Z	12.68	94.37	27.34		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	17.89	100.71	28.93	6.02	65.0	± 9.6 %
		Y	11.68	91.66	26.27		65.0	
		Z	7.88	85.16	23.78		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.16	70.61	19.66	3.01	150.0	± 9.6 %
		Y	3.09	69.23	18.94		150.0	
		Z	2.99	69.15	18.95		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	5.21	80.00	23.33	3.01	150.0	± 9.6 %
		Y	4.45	75.76	21.59		150.0	
		Z	4.36	76.14	21.83		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.19	70.79	19.76	3.01	150.0	± 9.6 %
		Y	3.12	69.41	19.05		150.0	
		Z	3.02	69.35	19.07		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	5.14	79.69	23.18	3.01	150.0	± 9.6 %
		Y	4.39	75.47	21.44		150.0	
		Z	4.29	75.79	21.66		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.49	76.75	21.41	3.01	150.0	± 9.6 %
		Y	3.95	73.19	19.90		150.0	
		Z	3.82	73.28	19.99		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	3.91	73.86	19.78	3.01	150.0	± 9.6 %
		Y	3.56	70.98	18.51		150.0	
		Z	3.41	70.87	18.49		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.18	70.77	19.75	3.01	150.0	± 9.6 %
		Y	3.11	69.39	19.04		150.0	
		Z	3.02	69.33	19.06		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	5.13	79.66	23.17	3.01	150.0	± 9.6 %
		Y	4.38	75.45	21.42		150.0	
		Z	4.29	75.77	21.64		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.90	73.83	19.77	3.01	150.0	± 9.6 %
		Y	3.55	70.96	18.50		150.0	
		Z	3.40	70.85	18.48		150.0	

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.20	70.82	19.78	3.01	150.0	± 9.6 %
		Y	3.12	69.44	19.07		150.0	
		Z	3.03	69.38	19.09		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	5.16	79.75	23.21	3.01	150.0	± 9.6 %
		Y	4.40	75.52	21.47		150.0	
		Z	4.31	75.85	21.69		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	3.92	73.91	19.81	3.01	150.0	± 9.6 %
		Y	3.57	71.02	18.54		150.0	
		Z	3.42	70.92	18.52		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.21	70.89	19.85	3.01	150.0	± 9.6 %
		Y	3.13	69.49	19.13		150.0	
		Z	3.04	69.42	19.15		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	5.40	80.72	23.69	3.01	150.0	± 9.6 %
		Y	4.57	76.31	21.90		150.0	
		Z	4.50	76.77	22.18		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.04	74.49	20.14	3.01	150.0	± 9.6 %
		Y	3.65	71.49	18.83		150.0	
		Z	3.51	71.43	18.84		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.52	66.93	16.42	0.00	150.0	± 9.6 %
		Y	4.49	66.31	16.09		150.0	
		Z	4.55	66.58	16.35		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.68	67.24	16.54	0.00	150.0	± 9.6 %
		Y	4.67	66.65	16.21		150.0	
		Z	4.74	66.93	16.47		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.72	67.26	16.55	0.00	150.0	± 9.6 %
		Y	4.71	66.68	16.23		150.0	
		Z	4.78	66.95	16.48		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.52	66.99	16.43	0.00	150.0	± 9.6 %
		Y	4.50	66.39	16.11		150.0	
		Z	4.56	66.67	16.38		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.70	67.25	16.55	0.00	150.0	± 9.6 %
		Y	4.68	66.67	16.22		150.0	
		Z	4.76	66.95	16.48		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.73	67.28	16.56	0.00	150.0	± 9.6 %
		Y	4.72	66.70	16.24		150.0	
		Z	4.79	66.97	16.49		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.47	67.02	16.40	0.00	150.0	± 9.6 %
		Y	4.45	66.40	16.07		150.0	
		Z	4.52	66.69	16.34		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.69	67.22	16.54	0.00	150.0	± 9.6 %
		Y	4.68	66.65	16.22		150.0	
		Z	4.75	66.93	16.48		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.73	67.20	16.54	0.00	150.0	± 9.6 %
		Y	4.72	66.63	16.23		150.0	
		Z	4.79	66.90	16.48		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.06	67.31	16.62	0.00	150.0	± 9.6 %
		Y	5.05	66.85	16.35		150.0	
		Z	5.12	67.12	16.59		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.36	67.52	16.74	0.00	150.0	± 9.6 %
		Y	5.37	67.09	16.50		150.0	
		Z	5.44	67.35	16.73		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.11	67.43	16.61	0.00	150.0	± 9.6 %
		Y	5.10	66.96	16.33		150.0	
		Z	5.16	67.22	16.57		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.84	66.92	15.85	0.00	150.0	± 9.6 %
		Y	2.74	65.72	15.18		150.0	
		Z	2.83	66.35	15.73		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	40.01	116.73	34.09	6.02	65.0	± 9.6 %
		Y	18.15	100.91	29.81		65.0	
		Z	13.80	96.00	27.96		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	33.98	111.47	31.92	6.02	65.0	± 9.6 %
		Y	16.25	97.33	28.09		65.0	
		Z	12.25	92.38	26.18		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	12.76	101.92	32.39	6.02	65.0	± 9.6 %
		Y	11.08	97.03	30.67		65.0	
		Z	8.72	92.35	28.82		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	34.89	114.03	33.28	6.02	65.0	± 9.6 %
		Y	16.78	99.31	29.23		65.0	
		Z	12.79	94.48	27.39		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	29.80	109.06	31.18	6.02	65.0	± 9.6 %
		Y	15.07	95.92	27.58		65.0	
		Z	11.39	91.05	25.67		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	11.93	100.43	31.84	6.02	65.0	± 9.6 %
		Y	10.46	95.77	30.17		65.0	
		Z	8.25	91.19	28.34		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	34.85	114.02	33.28	6.02	65.0	± 9.6 %
		Y	16.75	99.30	29.23		65.0	
		Z	12.76	94.46	27.38		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	29.71	109.03	31.18	6.02	65.0	± 9.6 %
		Y	15.04	95.90	27.57		65.0	
		Z	11.37	91.03	25.66		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	11.28	99.11	31.30	6.02	65.0	± 9.6 %
		Y	9.96	94.62	29.67		65.0	
		Z	7.88	90.12	27.85		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	35.01	114.12	33.31	6.02	65.0	± 9.6 %
		Y	16.79	99.35	29.25		65.0	
		Z	12.78	94.51	27.39		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	30.34	109.34	31.25	6.02	65.0	± 9.6 %
		Y	15.23	96.08	27.62		65.0	
		Z	11.50	91.19	25.70		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	11.97	100.55	31.88	6.02	65.0	± 9.6 %
		Y	10.49	95.87	30.21		65.0	
		Z	8.27	91.27	28.37		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	34.79	114.01	33.27	6.02	65.0	± 9.6 %
		Y	16.72	99.28	29.22		65.0	
		Z	12.73	94.44	27.37		65.0	

10239-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	29.60	108.99	31.17	6.02	65.0	± 9.6 %
		Y	15.00	95.87	27.57		65.0	
		Z	11.33	91.00	25.65		65.0	
10240-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	11.93	100.49	31.86	6.02	65.0	± 9.6 %
		Y	10.45	95.81	30.19		65.0	
		Z	8.24	91.21	28.35		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	8.35	82.82	26.15	6.98	65.0	± 9.6 %
		Y	7.85	80.00	25.06		65.0	
		Z	7.12	78.08	24.14		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	7.34	80.10	24.97	6.98	65.0	± 9.6 %
		Y	7.01	77.55	23.95		65.0	
		Z	6.48	76.07	23.18		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	5.72	75.88	24.13	6.98	65.0	± 9.6 %
		Y	5.69	74.41	23.47		65.0	
		Z	5.34	73.16	22.77		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	5.95	76.49	18.56	3.98	65.0	± 9.6 %
		Y	6.01	76.53	19.26		65.0	
		Z	5.17	74.41	18.34		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	5.70	75.57	18.13	3.98	65.0	± 9.6 %
		Y	5.87	75.85	18.93		65.0	
		Z	5.09	73.88	18.06		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	6.32	81.66	21.02	3.98	65.0	± 9.6 %
		Y	5.36	78.51	20.04		65.0	
		Z	4.95	77.75	19.89		65.0	
10247-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	4.91	74.53	18.92	3.98	65.0	± 9.6 %
		Y	4.72	73.31	18.63		65.0	
		Z	4.45	72.67	18.48		65.0	
10248-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	4.84	73.73	18.55	3.98	65.0	± 9.6 %
		Y	4.73	72.75	18.36		65.0	
		Z	4.48	72.15	18.22		65.0	
10249-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	7.86	85.71	23.56	3.98	65.0	± 9.6 %
		Y	6.42	81.53	22.10		65.0	
		Z	5.85	80.41	21.79		65.0	
10250-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	5.72	76.77	21.62	3.98	65.0	± 9.6 %
		Y	5.50	75.36	21.09		65.0	
		Z	5.18	74.52	20.81		65.0	
10251-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	5.38	74.33	20.19	3.98	65.0	± 9.6 %
		Y	5.26	73.19	19.77		65.0	
		Z	4.98	72.41	19.49		65.0	
10252-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	7.31	83.67	23.90	3.98	65.0	± 9.6 %
		Y	6.42	80.44	22.59		65.0	
		Z	5.91	79.28	22.20		65.0	
10253-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	5.42	73.21	20.08	3.98	65.0	± 9.6 %
		Y	5.32	72.22	19.66		65.0	
		Z	5.05	71.46	19.36		65.0	
10254-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	5.76	74.13	20.80	3.98	65.0	± 9.6 %
		Y	5.65	73.11	20.38		65.0	
		Z	5.37	72.34	20.09		65.0	

10255-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	6.31	78.67	22.21	3.98	65.0	± 9.6 %
		Y	5.88	76.59	21.28		65.0	
		Z	5.50	75.63	20.92		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	4.17	70.99	15.08	3.98	65.0	± 9.6 %
		Y	4.68	72.52	16.53		65.0	
		Z	4.05	70.72	15.69		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.99	70.02	14.54	3.98	65.0	± 9.6 %
		Y	4.53	71.65	16.05		65.0	
		Z	3.98	70.06	15.30		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	4.17	74.74	17.34	3.98	65.0	± 9.6 %
		Y	3.99	73.66	17.24		65.0	
		Z	3.75	73.28	17.24		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	5.25	75.45	19.93	3.98	65.0	± 9.6 %
		Y	5.04	74.09	19.53		65.0	
		Z	4.75	73.36	19.32		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	5.25	75.04	19.76	3.98	65.0	± 9.6 %
		Y	5.07	73.83	19.42		65.0	
		Z	4.79	73.13	19.23		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	7.02	83.49	23.23	3.98	65.0	± 9.6 %
		Y	6.03	80.05	21.95		65.0	
		Z	5.52	78.93	21.61		65.0	
10262-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	5.71	76.71	21.58	3.98	65.0	± 9.6 %
		Y	5.49	75.31	21.04		65.0	
		Z	5.17	74.48	20.77		65.0	
10263-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	5.37	74.30	20.18	3.98	65.0	± 9.6 %
		Y	5.25	73.17	19.76		65.0	
		Z	4.97	72.39	19.48		65.0	
10264-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	7.22	83.42	23.78	3.98	65.0	± 9.6 %
		Y	6.36	80.23	22.49		65.0	
		Z	5.85	79.08	22.10		65.0	
10265-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	5.54	73.78	20.36	3.98	65.0	± 9.6 %
		Y	5.45	72.82	19.93		65.0	
		Z	5.18	72.08	19.62		65.0	
10266-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	5.91	74.76	21.15	3.98	65.0	± 9.6 %
		Y	5.80	73.74	20.71		65.0	
		Z	5.51	72.97	20.41		65.0	
10267-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	6.72	79.57	22.34	3.98	65.0	± 9.6 %
		Y	6.21	77.33	21.33		65.0	
		Z	5.81	76.41	20.98		65.0	
10268-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	6.12	73.48	20.62	3.98	65.0	± 9.6 %
		Y	6.06	72.68	20.24		65.0	
		Z	5.79	71.98	19.95		65.0	
10269-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	6.09	73.02	20.46	3.98	65.0	± 9.6 %
		Y	6.03	72.24	20.11		65.0	
		Z	5.76	71.54	19.81		65.0	
10270-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	6.34	76.06	21.04	3.98	65.0	± 9.6 %
		Y	6.08	74.61	20.35		65.0	
		Z	5.76	73.86	20.04		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.66	67.57	15.91	0.00	150.0	± 9.6 %
		Y	2.50	65.96	14.99		150.0	
		Z	2.60	66.71	15.61		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.84	70.99	17.29	0.00	150.0	± 9.6 %
		Y	1.51	67.19	14.97		150.0	
		Z	1.71	69.51	16.45		150.0	
10277-CAA	PHS (QPSK)	X	1.87	60.83	6.38	9.03	50.0	± 9.6 %
		Y	2.14	61.49	7.23		50.0	
		Z	2.09	61.24	7.00		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	4.51	72.29	15.08	9.03	50.0	± 9.6 %
		Y	4.92	73.27	16.01		50.0	
		Z	4.51	71.94	15.29		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	4.67	72.70	15.31	9.03	50.0	± 9.6 %
		Y	5.09	73.65	16.22		50.0	
		Z	4.68	72.33	15.51		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	2.16	74.98	16.58	0.00	150.0	± 9.6 %
		Y	1.28	66.95	12.79		150.0	
		Z	1.74	71.36	15.26		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	1.17	71.53	15.12	0.00	150.0	± 9.6 %
		Y	0.69	64.03	10.95		150.0	
		Z	0.91	67.77	13.37		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	4.42	90.78	22.42	0.00	150.0	± 9.6 %
		Y	0.85	67.35	12.97		150.0	
		Z	1.67	76.97	17.67		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	100.00	136.59	34.47	0.00	150.0	± 9.6 %
		Y	1.33	73.34	16.12		150.0	
		Z	8.78	100.96	25.89		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	11.43	89.42	25.13	9.03	50.0	± 9.6 %
		Y	9.12	84.99	23.86		50.0	
		Z	8.14	82.83	22.95		50.0	
10297-AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.97	71.63	17.74	0.00	150.0	± 9.6 %
		Y	2.68	69.19	16.24		150.0	
		Z	2.93	70.87	17.24		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.89	71.32	15.81	0.00	150.0	± 9.6 %
		Y	1.46	66.65	13.41		150.0	
		Z	1.78	69.74	15.31		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.28	72.61	15.28	0.00	150.0	± 9.6 %
		Y	2.80	70.26	14.85		150.0	
		Z	2.86	70.82	15.21		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.02	65.69	11.41	0.00	150.0	± 9.6 %
		Y	2.07	65.40	11.81		150.0	
		Z	2.07	65.58	12.00		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.72	65.85	17.74	4.17	50.0	± 9.6 %
		Y	4.78	65.42	17.53		50.0	
		Z	4.74	65.16	17.51		50.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	5.13	66.14	18.27	4.96	50.0	± 9.6 %
		Y	5.22	65.77	18.07		50.0	
		Z	5.18	65.64	18.13		50.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.87	65.75	18.09	4.96	50.0	± 9.6 %
		Y	4.97	65.43	17.92		50.0	
		Z	4.93	65.28	17.98		50.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.70	65.69	17.62	4.17	50.0	± 9.6 %
		Y	4.76	65.25	17.39		50.0	
		Z	4.74	65.17	17.49		50.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.27	67.35	19.54	6.02	35.0	± 9.6 %
		Y	4.46	67.57	19.71		35.0	
		Z	4.33	66.90	19.56		35.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.60	66.41	19.14	6.02	35.0	± 9.6 %
		Y	4.75	66.45	19.22		35.0	
		Z	4.67	65.98	19.11		35.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.49	66.55	19.10	6.02	35.0	± 9.6 %
		Y	4.66	66.69	19.22		35.0	
		Z	4.58	66.22	19.12		35.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.47	66.75	19.25	6.02	35.0	± 9.6 %
		Y	4.63	66.87	19.34		35.0	
		Z	4.54	66.36	19.23		35.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.65	66.61	19.28	6.02	35.0	± 9.6 %
		Y	4.82	66.71	19.38		35.0	
		Z	4.74	66.25	19.28		35.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.54	66.47	19.12	6.02	35.0	± 9.6 %
		Y	4.70	66.52	19.20		35.0	
		Z	4.62	66.04	19.09		35.0	
10311-AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.35	70.71	17.27	0.00	150.0	± 9.6 %
		Y	3.03	68.44	15.91		150.0	
		Z	3.29	69.99	16.82		150.0	
10313-AAA	iDEN 1:3	X	4.14	76.66	17.56	6.99	70.0	± 9.6 %
		Y	2.85	70.75	14.87		70.0	
		Z	2.37	69.11	14.12		70.0	
10314-AAA	iDEN 1:6	X	8.58	90.79	25.43	10.00	30.0	± 9.6 %
		Y	4.78	79.72	21.17		30.0	
		Z	4.55	79.07	20.77		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.10	65.06	16.35	0.17	150.0	± 9.6 %
		Y	0.98	63.13	14.77		150.0	
		Z	1.01	64.16	15.80		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.56	66.93	16.52	0.17	150.0	± 9.6 %
		Y	4.55	66.38	16.23		150.0	
		Z	4.60	66.58	16.44		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.56	66.93	16.52	0.17	150.0	± 9.6 %
		Y	4.55	66.38	16.23		150.0	
		Z	4.60	66.58	16.44		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.67	67.29	16.53	0.00	150.0	± 9.6 %
		Y	4.67	66.71	16.20		150.0	
		Z	4.74	66.99	16.46		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.37	67.39	16.65	0.00	150.0	± 9.6 %
		Y	5.39	66.99	16.43		150.0	
		Z	5.43	67.15	16.60		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.62	67.65	16.64	0.00	150.0	± 9.6 %
		Y	5.63	67.27	16.42		150.0	
		Z	5.70	67.53	16.64		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	2.16	74.98	16.58	0.00	115.0	± 9.6 %
		Y	1.28	66.95	12.79		115.0	
		Z	1.74	71.36	15.26		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	2.16	74.98	16.58	0.00	115.0	± 9.6 %
		Y	1.28	66.95	12.79		115.0	
		Z	1.74	71.36	15.26		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	119.17	29.16	0.00	100.0	± 9.6 %
		Y	47.04	112.86	29.01		100.0	
		Z	100.00	124.79	31.86		100.0	
10410-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	123.22	30.54	3.23	80.0	± 9.6 %
		Y	100.00	123.25	30.93		80.0	
		Z	100.00	121.48	29.86		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.03	64.28	15.82	0.00	150.0	± 9.6 %
		Y	0.91	62.36	14.20		150.0	
		Z	0.95	63.47	15.29		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.52	66.97	16.49	0.00	150.0	± 9.6 %
		Y	4.49	66.36	16.15		150.0	
		Z	4.56	66.63	16.41		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.52	66.97	16.49	0.00	150.0	± 9.6 %
		Y	4.49	66.36	16.15		150.0	
		Z	4.56	66.63	16.41		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.51	67.16	16.52	0.00	150.0	± 9.6 %
		Y	4.48	66.50	16.16		150.0	
		Z	4.55	66.78	16.42		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.53	67.09	16.52	0.00	150.0	± 9.6 %
		Y	4.50	66.46	16.17		150.0	
		Z	4.57	66.73	16.43		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.64	67.06	16.52	0.00	150.0	± 9.6 %
		Y	4.63	66.47	16.19		150.0	
		Z	4.69	66.73	16.44		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.80	67.37	16.62	0.00	150.0	± 9.6 %
		Y	4.80	66.81	16.31		150.0	
		Z	4.87	67.08	16.56		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.73	67.33	16.60	0.00	150.0	± 9.6 %
		Y	4.72	66.75	16.28		150.0	
		Z	4.79	67.03	16.53		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.32	67.53	16.73	0.00	150.0	± 9.6 %
		Y	5.35	67.19	16.53		150.0	
		Z	5.41	67.42	16.74		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.34	67.60	16.75	0.00	150.0	± 9.6 %
		Y	5.35	67.21	16.53		150.0	
		Z	5.42	67.44	16.74		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.34	67.55	16.73	0.00	150.0	± 9.6 %
		Y	5.36	67.16	16.50		150.0	
		Z	5.42	67.39	16.71		150.0	
10430-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.45	72.34	18.98	0.00	150.0	± 9.6 %
		Y	4.23	70.61	18.19		150.0	
		Z	4.46	71.63	18.92		150.0	
10431-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.21	67.67	16.54	0.00	150.0	± 9.6 %
		Y	4.18	66.90	16.13		150.0	
		Z	4.27	67.27	16.47		150.0	
10432-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.50	67.44	16.58	0.00	150.0	± 9.6 %
		Y	4.48	66.79	16.22		150.0	
		Z	4.56	67.10	16.50		150.0	
10433-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.74	67.37	16.62	0.00	150.0	± 9.6 %
		Y	4.73	66.79	16.30		150.0	
		Z	4.81	67.07	16.56		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.67	73.61	19.08	0.00	150.0	± 9.6 %
		Y	4.33	71.42	18.13		150.0	
		Z	4.63	72.69	18.98		150.0	
10435-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.96	30.42	3.23	80.0	± 9.6 %
		Y	100.00	123.03	30.82		80.0	
		Z	100.00	121.24	29.74		80.0	
10447-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.53	67.93	15.94	0.00	150.0	± 9.6 %
		Y	3.46	66.82	15.40		150.0	
		Z	3.58	67.41	15.91		150.0	
10448-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.05	67.46	16.42	0.00	150.0	± 9.6 %
		Y	4.01	66.66	15.98		150.0	
		Z	4.10	67.04	16.33		150.0	
10449-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.32	67.29	16.49	0.00	150.0	± 9.6 %
		Y	4.29	66.60	16.11		150.0	
		Z	4.36	66.93	16.41		150.0	
10450-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.51	67.16	16.49	0.00	150.0	± 9.6 %
		Y	4.48	66.53	16.14		150.0	
		Z	4.55	66.83	16.41		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.43	68.17	15.54	0.00	150.0	± 9.6 %
		Y	3.35	66.96	14.99		150.0	
		Z	3.50	67.67	15.58		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.19	68.04	16.84	0.00	150.0	± 9.6 %
		Y	6.21	67.72	16.67		150.0	
		Z	6.27	67.93	16.85		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.78	65.60	16.21	0.00	150.0	± 9.6 %
		Y	3.73	64.97	15.86		150.0	
		Z	3.77	65.24	16.13		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	4.28	72.82	18.40	0.00	150.0	± 9.6 %
		Y	3.93	70.47	17.43		150.0	
		Z	4.19	71.65	18.27		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	5.16	69.26	18.59	0.00	150.0	± 9.6 %
		Y	5.12	68.34	18.30		150.0	
		Z	5.26	68.82	18.73		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	1.22	75.04	19.84	0.00	150.0	± 9.6 %
		Y	0.79	67.36	15.18		150.0	
		Z	1.04	72.67	18.32		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	129.47	33.43	3.29	80.0	± 9.6 %
		Y	100.00	127.28	32.86		80.0	
		Z	100.00	125.03	31.59		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.27	72.28	13.39	3.23	80.0	± 9.6 %
		Y	4.56	75.48	15.26		80.0	
		Z	1.47	64.20	10.41		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.15	62.24	8.85	3.23	80.0	± 9.6 %
		Y	1.75	65.10	10.83		80.0	
		Z	1.05	60.61	8.20		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.26	31.77	3.23	80.0	± 9.6 %
		Y	100.00	124.34	31.34		80.0	
		Z	100.00	121.62	29.86		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.21	68.61	12.00	3.23	80.0	± 9.6 %
		Y	3.08	71.39	13.77		80.0	
		Z	1.32	63.14	9.86		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.07	61.51	8.46	3.23	80.0	± 9.6 %
		Y	1.57	63.98	10.28		80.0	
		Z	1.00	60.20	7.94		80.0	
10467-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.63	31.94	3.23	80.0	± 9.6 %
		Y	100.00	124.65	31.47		80.0	
		Z	100.00	121.95	30.00		80.0	
10468-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.42	69.48	12.34	3.23	80.0	± 9.6 %
		Y	3.36	72.31	14.12		80.0	
		Z	1.35	63.38	9.99		80.0	
10469-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.07	61.53	8.46	3.23	80.0	± 9.6 %
		Y	1.57	64.00	10.29		80.0	
		Z	1.00	60.20	7.94		80.0	
10470-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.66	31.94	3.23	80.0	± 9.6 %
		Y	100.00	124.68	31.48		80.0	
		Z	100.00	121.97	30.00		80.0	
10471-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.38	69.29	12.26	3.23	80.0	± 9.6 %
		Y	3.31	72.16	14.05		80.0	
		Z	1.34	63.31	9.94		80.0	
10472-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.06	61.47	8.42	3.23	80.0	± 9.6 %
		Y	1.55	63.94	10.24		80.0	
		Z	0.99	60.16	7.90		80.0	
10473-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.62	31.92	3.23	80.0	± 9.6 %
		Y	100.00	124.64	31.46		80.0	
		Z	100.00	121.92	29.98		80.0	
10474-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.35	69.21	12.23	3.23	80.0	± 9.6 %
		Y	3.28	72.07	14.02		80.0	
		Z	1.33	63.28	9.92		80.0	
10475-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.05	61.45	8.41	3.23	80.0	± 9.6 %
		Y	1.55	63.91	10.23		80.0	
		Z	0.99	60.15	7.90		80.0	

10477-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.18	68.48	11.93	3.23	80.0	± 9.6 %
		Y	3.05	71.31	13.72		80.0	
		Z	1.30	63.05	9.80		80.0	
10478-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.05	61.39	8.37	3.23	80.0	± 9.6 %
		Y	1.54	63.84	10.19		80.0	
		Z	0.99	60.11	7.87		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	22.66	104.04	28.31	3.23	80.0	± 9.6 %
		Y	10.52	91.75	25.16		80.0	
		Z	7.12	85.84	23.15		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	18.76	93.01	22.77	3.23	80.0	± 9.6 %
		Y	9.38	84.15	20.83		80.0	
		Z	6.29	78.88	18.94		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	10.50	84.61	19.86	3.23	80.0	± 9.6 %
		Y	7.10	79.67	18.96		80.0	
		Z	4.94	75.07	17.20		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.07	77.55	18.95	2.23	80.0	± 9.6 %
		Y	2.75	71.25	16.55		80.0	
		Z	2.95	72.71	17.37		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.36	76.63	17.79	2.23	80.0	± 9.6 %
		Y	5.22	76.19	18.27		80.0	
		Z	4.21	73.47	17.21		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.71	74.71	17.09	2.23	80.0	± 9.6 %
		Y	4.77	74.70	17.72		80.0	
		Z	3.96	72.36	16.79		80.0	
10485-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.16	78.26	20.41	2.23	80.0	± 9.6 %
		Y	3.12	72.88	18.19		80.0	
		Z	3.23	73.87	18.78		80.0	
10486-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.46	71.60	17.12	2.23	80.0	± 9.6 %
		Y	2.98	68.63	15.94		80.0	
		Z	3.03	69.17	16.37		80.0	
10487-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.40	70.94	16.82	2.23	80.0	± 9.6 %
		Y	2.98	68.26	15.77		80.0	
		Z	3.03	68.76	16.19		80.0	
10488-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.89	75.14	20.03	2.23	80.0	± 9.6 %
		Y	3.40	72.05	18.54		80.0	
		Z	3.45	72.57	18.88		80.0	
10489-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.51	70.20	17.93	2.23	80.0	± 9.6 %
		Y	3.28	68.37	17.06		80.0	
		Z	3.27	68.52	17.26		80.0	
10490-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.58	69.92	17.81	2.23	80.0	± 9.6 %
		Y	3.38	68.21	17.01		80.0	
		Z	3.36	68.32	17.19		80.0	
10491-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.92	72.56	19.10	2.23	80.0	± 9.6 %
		Y	3.62	70.46	18.01		80.0	
		Z	3.62	70.74	18.23		80.0	
10492-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.77	68.93	17.69	2.23	80.0	± 9.6 %
		Y	3.64	67.67	17.05		80.0	
		Z	3.60	67.70	17.16		80.0	

10493-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.82	68.75	17.61	2.23	80.0	± 9.6 %
		Y	3.71	67.55	17.01		80.0	
		Z	3.67	67.56	17.12		80.0	
10494-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.37	74.54	19.74	2.23	80.0	± 9.6 %
		Y	3.94	72.05	18.49		80.0	
		Z	3.99	72.51	18.77		80.0	
10495-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.81	69.34	17.91	2.23	80.0	± 9.6 %
		Y	3.67	68.08	17.25		80.0	
		Z	3.64	68.16	17.38		80.0	
10496-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.87	68.98	17.78	2.23	80.0	± 9.6 %
		Y	3.75	67.81	17.17		80.0	
		Z	3.72	67.85	17.28		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.51	70.53	15.01	2.23	80.0	± 9.6 %
		Y	1.89	66.41	13.46		80.0	
		Z	2.04	67.84	14.35		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.46	61.52	9.68	2.23	80.0	± 9.6 %
		Y	1.55	61.46	10.01		80.0	
		Z	1.62	62.12	10.57		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.40	60.84	9.17	2.23	80.0	± 9.6 %
		Y	1.52	61.02	9.63		80.0	
		Z	1.59	61.62	10.17		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.90	76.38	20.05	2.23	80.0	± 9.6 %
		Y	3.17	72.17	18.21		80.0	
		Z	3.23	72.85	18.65		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.50	71.10	17.46	2.23	80.0	± 9.6 %
		Y	3.12	68.58	16.40		80.0	
		Z	3.14	68.92	16.72		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.54	70.86	17.28	2.23	80.0	± 9.6 %
		Y	3.18	68.44	16.28		80.0	
		Z	3.20	68.76	16.60		80.0	
10503-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.83	74.89	19.91	2.23	80.0	± 9.6 %
		Y	3.36	71.83	18.43		80.0	
		Z	3.40	72.34	18.77		80.0	
10504-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.49	70.09	17.87	2.23	80.0	± 9.6 %
		Y	3.27	68.27	17.00		80.0	
		Z	3.25	68.42	17.20		80.0	
10505-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.56	69.81	17.75	2.23	80.0	± 9.6 %
		Y	3.36	68.11	16.95		80.0	
		Z	3.34	68.22	17.13		80.0	
10506-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.33	74.37	19.66	2.23	80.0	± 9.6 %
		Y	3.91	71.89	18.41		80.0	
		Z	3.95	72.35	18.69		80.0	
10507-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.79	69.27	17.87	2.23	80.0	± 9.6 %
		Y	3.66	68.02	17.21		80.0	
		Z	3.63	68.09	17.34		80.0	

10508-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.86	68.91	17.74	2.23	80.0	± 9.6 %
		Y	3.74	67.74	17.13		80.0	
		Z	3.71	67.78	17.24		80.0	
10509-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.53	72.39	18.83	2.23	80.0	± 9.6 %
		Y	4.22	70.56	17.87		80.0	
		Z	4.23	70.82	18.05		80.0	
10510-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.24	68.74	17.72	2.23	80.0	± 9.6 %
		Y	4.14	67.79	17.20		80.0	
		Z	4.11	67.81	17.28		80.0	
10511-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.28	68.44	17.62	2.23	80.0	± 9.6 %
		Y	4.19	67.53	17.14		80.0	
		Z	4.15	67.52	17.20		80.0	
10512-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.88	74.48	19.52	2.23	80.0	± 9.6 %
		Y	4.42	72.17	18.36		80.0	
		Z	4.47	72.62	18.62		80.0	
10513-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.13	69.07	17.87	2.23	80.0	± 9.6 %
		Y	4.03	68.07	17.31		80.0	
		Z	4.00	68.14	17.42		80.0	
10514-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.14	68.57	17.70	2.23	80.0	± 9.6 %
		Y	4.05	67.64	17.19		80.0	
		Z	4.01	67.67	17.27		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.99	64.60	15.97	0.00	150.0	± 9.6 %
		Y	0.87	62.53	14.23		150.0	
		Z	0.91	63.76	15.41		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	1.57	90.52	26.30	0.00	150.0	± 9.6 %
		Y	0.52	70.36	15.95		150.0	
		Z	1.41	88.12	24.00		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.90	68.15	17.53	0.00	150.0	± 9.6 %
		Y	0.72	64.40	14.65		150.0	
		Z	0.81	67.00	16.64		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.51	67.06	16.47	0.00	150.0	± 9.6 %
		Y	4.49	66.43	16.13		150.0	
		Z	4.55	66.71	16.39		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.69	67.26	16.57	0.00	150.0	± 9.6 %
		Y	4.68	66.69	16.26		150.0	
		Z	4.75	66.97	16.52		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.54	67.24	16.51	0.00	150.0	± 9.6 %
		Y	4.53	66.65	16.17		150.0	
		Z	4.61	66.95	16.45		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.48	67.24	16.50	0.00	150.0	± 9.6 %
		Y	4.46	66.64	16.15		150.0	
		Z	4.54	66.96	16.44		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.54	67.36	16.60	0.00	150.0	± 9.6 %
		Y	4.52	66.71	16.23		150.0	
		Z	4.59	67.00	16.50		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.43	67.25	16.46	0.00	150.0	± 9.6 %
		Y	4.40	66.56	16.07		150.0	
		Z	4.47	66.87	16.35		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.48	67.27	16.56	0.00	150.0	± 9.6 %
		Y	4.47	66.64	16.20		150.0	
		Z	4.54	66.94	16.48		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.48	66.34	16.17	0.00	150.0	± 9.6 %
		Y	4.45	65.66	15.79		150.0	
		Z	4.52	65.96	16.07		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.64	66.69	16.30	0.00	150.0	± 9.6 %
		Y	4.62	66.04	15.94		150.0	
		Z	4.70	66.36	16.21		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.57	66.67	16.25	0.00	150.0	± 9.6 %
		Y	4.54	66.00	15.88		150.0	
		Z	4.62	66.33	16.16		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.58	66.68	16.28	0.00	150.0	± 9.6 %
		Y	4.56	66.02	15.91		150.0	
		Z	4.64	66.35	16.19		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.58	66.68	16.28	0.00	150.0	± 9.6 %
		Y	4.56	66.02	15.91		150.0	
		Z	4.64	66.35	16.19		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.57	66.78	16.29	0.00	150.0	± 9.6 %
		Y	4.55	66.14	15.93		150.0	
		Z	4.64	66.48	16.22		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.44	66.64	16.24	0.00	150.0	± 9.6 %
		Y	4.41	65.98	15.86		150.0	
		Z	4.49	66.34	16.16		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.60	66.74	16.28	0.00	150.0	± 9.6 %
		Y	4.57	66.06	15.90		150.0	
		Z	4.65	66.38	16.18		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.11	66.67	16.28	0.00	150.0	± 9.6 %
		Y	5.10	66.18	16.00		150.0	
		Z	5.17	66.45	16.24		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.18	66.86	16.37	0.00	150.0	± 9.6 %
		Y	5.17	66.36	16.08		150.0	
		Z	5.24	66.62	16.31		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.05	66.83	16.34	0.00	150.0	± 9.6 %
		Y	5.03	66.29	16.03		150.0	
		Z	5.11	66.58	16.28		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.11	66.78	16.31	0.00	150.0	± 9.6 %
		Y	5.10	66.27	16.02		150.0	
		Z	5.17	66.56	16.26		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.19	66.77	16.35	0.00	150.0	± 9.6 %
		Y	5.19	66.31	16.08		150.0	
		Z	5.27	66.59	16.32		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.12	66.79	16.37	0.00	150.0	± 9.6 %
		Y	5.12	66.32	16.10		150.0	
		Z	5.19	66.59	16.34		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.10	66.67	16.30	0.00	150.0	± 9.6 %
		Y	5.09	66.17	16.02		150.0	
		Z	5.16	66.44	16.26		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.25	66.73	16.34	0.00	150.0	± 9.6 %
		Y	5.25	66.25	16.08		150.0	
		Z	5.32	66.51	16.31		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.32	66.74	16.37	0.00	150.0	± 9.6 %
		Y	5.33	66.31	16.13		150.0	
		Z	5.40	66.56	16.35		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.43	66.75	16.26	0.00	150.0	± 9.6 %
		Y	5.40	66.27	15.99		150.0	
		Z	5.46	66.52	16.21		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.62	67.17	16.42	0.00	150.0	± 9.6 %
		Y	5.62	66.75	16.18		150.0	
		Z	5.69	67.01	16.39		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.49	66.94	16.32	0.00	150.0	± 9.6 %
		Y	5.48	66.52	16.08		150.0	
		Z	5.55	66.80	16.30		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.56	66.99	16.33	0.00	150.0	± 9.6 %
		Y	5.56	66.58	16.10		150.0	
		Z	5.64	66.88	16.33		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.78	67.85	16.73	0.00	150.0	± 9.6 %
		Y	5.92	67.82	16.68		150.0	
		Z	6.02	68.18	16.94		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.52	66.99	16.35	0.00	150.0	± 9.6 %
		Y	5.51	66.53	16.09		150.0	
		Z	5.57	66.78	16.30		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.52	67.01	16.32	0.00	150.0	± 9.6 %
		Y	5.51	66.55	16.06		150.0	
		Z	5.58	66.82	16.28		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.44	66.84	16.24	0.00	150.0	± 9.6 %
		Y	5.41	66.33	15.96		150.0	
		Z	5.48	66.58	16.18		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.52	66.84	16.27	0.00	150.0	± 9.6 %
		Y	5.50	66.37	16.01		150.0	
		Z	5.57	66.63	16.23		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.84	67.09	16.33	0.00	150.0	± 9.6 %
		Y	5.82	66.65	16.09		150.0	
		Z	5.88	66.90	16.29		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.96	67.38	16.45	0.00	150.0	± 9.6 %
		Y	5.96	66.99	16.23		150.0	
		Z	6.02	67.24	16.44		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.99	67.44	16.47	0.00	150.0	± 9.6 %
		Y	5.98	67.02	16.24		150.0	
		Z	6.04	67.27	16.45		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.95	67.33	16.43	0.00	150.0	± 9.6 %
		Y	5.94	66.93	16.22		150.0	
		Z	6.01	67.18	16.43		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.99	67.49	16.53	0.00	150.0	± 9.6 %
		Y	6.00	67.11	16.32		150.0	
		Z	6.07	67.38	16.54		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.99	67.33	16.49	0.00	150.0	± 9.6 %
		Y	5.98	66.93	16.27		150.0	
		Z	6.05	67.18	16.48		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.91	67.31	16.52	0.00	150.0	± 9.6 %
		Y	5.91	66.92	16.30		150.0	
		Z	5.97	67.17	16.51		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.02	67.64	16.68	0.00	150.0	± 9.6 %
		Y	6.06	67.37	16.53		150.0	
		Z	6.14	67.67	16.76		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.14	67.63	16.63	0.00	150.0	± 9.6 %
		Y	6.40	67.99	16.79		150.0	
		Z	6.54	68.40	17.07		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.83	67.06	16.58	0.46	150.0	± 9.6 %
		Y	4.81	66.51	16.28		150.0	
		Z	4.87	66.74	16.51		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	5.05	67.50	16.90	0.46	150.0	± 9.6 %
		Y	5.06	66.99	16.63		150.0	
		Z	5.12	67.24	16.86		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.88	67.35	16.72	0.46	150.0	± 9.6 %
		Y	4.89	66.83	16.44		150.0	
		Z	4.95	67.08	16.66		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.92	67.77	17.10	0.46	150.0	± 9.6 %
		Y	4.91	67.24	16.80		150.0	
		Z	4.99	67.52	17.05		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.79	67.12	16.48	0.46	150.0	± 9.6 %
		Y	4.79	66.58	16.18		150.0	
		Z	4.85	66.80	16.39		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.89	67.91	17.19	0.46	150.0	± 9.6 %
		Y	4.86	67.30	16.85		150.0	
		Z	4.93	67.58	17.10		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.91	67.72	17.09	0.46	150.0	± 9.6 %
		Y	4.90	67.16	16.79		150.0	
		Z	4.97	67.43	17.03		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.16	65.48	16.57	0.46	130.0	± 9.6 %
		Y	1.04	63.66	15.10		130.0	
		Z	1.06	64.46	15.94		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.18	66.21	17.02	0.46	130.0	± 9.6 %
		Y	1.05	64.22	15.46		130.0	
		Z	1.08	65.16	16.38		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	43.96	143.35	39.94	0.46	130.0	± 9.6 %
		Y	2.00	86.04	22.34		130.0	
		Z	20.42	126.57	34.62		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.46	74.85	21.36	0.46	130.0	± 9.6 %
		Y	1.15	70.20	18.44		130.0	
		Z	1.31	73.62	20.61		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.60	66.82	16.61	0.46	130.0	± 9.6 %
		Y	4.60	66.29	16.34		130.0	
		Z	4.64	66.48	16.53		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.63	67.01	16.69	0.46	130.0	± 9.6 %
		Y	4.62	66.46	16.40		130.0	
		Z	4.67	66.66	16.60		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.82	67.28	16.84	0.46	130.0	± 9.6 %
		Y	4.84	66.79	16.59		130.0	
		Z	4.89	66.99	16.79		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.73	67.46	16.97	0.46	130.0	± 9.6 %
		Y	4.73	66.94	16.69		130.0	
		Z	4.79	67.18	16.91		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.48	66.68	16.24	0.46	130.0	± 9.6 %
		Y	4.49	66.20	15.97		130.0	
		Z	4.54	66.39	16.16		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.52	66.73	16.27	0.46	130.0	± 9.6 %
		Y	4.54	66.23	15.99		130.0	
		Z	4.59	66.40	16.17		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.63	67.52	16.92	0.46	130.0	± 9.6 %
		Y	4.62	66.97	16.62		130.0	
		Z	4.68	67.20	16.84		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.42	66.43	16.02	0.46	130.0	± 9.6 %
		Y	4.44	65.96	15.76		130.0	
		Z	4.49	66.14	15.94		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.60	66.82	16.61	0.46	130.0	± 9.6 %
		Y	4.60	66.29	16.34		130.0	
		Z	4.64	66.48	16.53		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.63	67.01	16.69	0.46	130.0	± 9.6 %
		Y	4.62	66.46	16.40		130.0	
		Z	4.67	66.66	16.60		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.82	67.28	16.84	0.46	130.0	± 9.6 %
		Y	4.84	66.79	16.59		130.0	
		Z	4.89	66.99	16.79		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.73	67.46	16.97	0.46	130.0	± 9.6 %
		Y	4.73	66.94	16.69		130.0	
		Z	4.79	67.18	16.91		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.48	66.68	16.24	0.46	130.0	± 9.6 %
		Y	4.49	66.20	15.97		130.0	
		Z	4.54	66.39	16.16		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.52	66.73	16.27	0.46	130.0	± 9.6 %
		Y	4.54	66.23	15.99		130.0	
		Z	4.59	66.40	16.17		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.63	67.52	16.92	0.46	130.0	± 9.6 %
		Y	4.62	66.97	16.62		130.0	
		Z	4.68	67.20	16.84		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.42	66.43	16.02	0.46	130.0	± 9.6 %
		Y	4.44	65.96	15.76		130.0	
		Z	4.49	66.14	15.94		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.75	66.87	16.70	0.46	130.0	± 9.6 %
		Y	4.75	66.37	16.45		130.0	
		Z	4.80	66.55	16.63		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.90	67.21	16.84	0.46	130.0	± 9.6 %
		Y	4.91	66.71	16.58		130.0	
		Z	4.96	66.91	16.77		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.82	67.11	16.71	0.46	130.0	± 9.6 %
		Y	4.83	66.62	16.46		130.0	
		Z	4.88	66.82	16.65		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.87	67.28	16.87	0.46	130.0	± 9.6 %
		Y	4.88	66.79	16.62		130.0	
		Z	4.94	66.99	16.81		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.84	67.24	16.77	0.46	130.0	± 9.6 %
		Y	4.85	66.74	16.51		130.0	
		Z	4.91	66.94	16.70		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.78	67.24	16.78	0.46	130.0	± 9.6 %
		Y	4.79	66.73	16.51		130.0	
		Z	4.84	66.94	16.70		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.73	67.13	16.65	0.46	130.0	± 9.6 %
		Y	4.74	66.64	16.39		130.0	
		Z	4.79	66.85	16.59		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.71	67.38	16.93	0.46	130.0	± 9.6 %
		Y	4.72	66.89	16.66		130.0	
		Z	4.78	67.13	16.88		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.41	67.32	16.87	0.46	130.0	± 9.6 %
		Y	5.44	66.98	16.69		130.0	
		Z	5.48	67.15	16.85		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.54	67.74	17.05	0.46	130.0	± 9.6 %
		Y	5.63	67.59	16.97		130.0	
		Z	5.69	67.81	17.15		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.43	67.51	16.95	0.46	130.0	± 9.6 %
		Y	5.49	67.23	16.80		130.0	
		Z	5.54	67.42	16.97		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.55	67.59	16.91	0.46	130.0	± 9.6 %
		Y	5.58	67.24	16.72		130.0	
		Z	5.62	67.39	16.87		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.61	67.86	17.17	0.46	130.0	± 9.6 %
		Y	5.65	67.53	17.00		130.0	
		Z	5.71	67.72	17.17		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.46	67.45	16.96	0.46	130.0	± 9.6 %
		Y	5.44	66.94	16.69		130.0	
		Z	5.48	67.11	16.85		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.54	67.66	17.06	0.46	130.0	± 9.6 %
		Y	5.58	67.37	16.91		130.0	
		Z	5.62	67.51	17.04		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.27	66.94	16.56	0.46	130.0	± 9.6 %
		Y	5.32	66.69	16.42		130.0	
		Z	5.35	66.82	16.56		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.60	66.25	16.36	0.46	130.0	± 9.6 %
		Y	4.59	65.67	16.06		130.0	
		Z	4.64	65.88	16.27		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.78	66.65	16.53	0.46	130.0	± 9.6 %
		Y	4.78	66.09	16.23		130.0	
		Z	4.84	66.31	16.44		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.67	66.49	16.36	0.46	130.0	± 9.6 %
		Y	4.67	65.93	16.06		130.0	
		Z	4.73	66.16	16.27		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.72	66.66	16.53	0.46	130.0	± 9.6 %
		Y	4.72	66.09	16.23		130.0	
		Z	4.78	66.33	16.45		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.64	66.46	16.37	0.46	130.0	± 9.6 %
		Y	4.63	65.90	16.07		130.0	
		Z	4.69	66.13	16.29		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.64	66.62	16.43	0.46	130.0	± 9.6 %
		Y	4.64	66.05	16.11		130.0	
		Z	4.71	66.29	16.33		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.64	66.47	16.29	0.46	130.0	± 9.6 %
		Y	4.65	65.94	16.00		130.0	
		Z	4.71	66.18	16.21		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.60	66.69	16.55	0.46	130.0	± 9.6 %
		Y	4.59	66.13	16.24		130.0	
		Z	4.65	66.40	16.47		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.63	66.28	16.14	0.46	130.0	± 9.6 %
		Y	4.63	65.71	15.84		130.0	
		Z	4.69	65.92	16.04		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.25	66.64	16.52	0.46	130.0	± 9.6 %
		Y	5.26	66.22	16.29		130.0	
		Z	5.31	66.43	16.47		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.32	66.83	16.59	0.46	130.0	± 9.6 %
		Y	5.33	66.41	16.36		130.0	
		Z	5.38	66.58	16.52		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.21	66.86	16.62	0.46	130.0	± 9.6 %
		Y	5.21	66.40	16.37		130.0	
		Z	5.26	66.62	16.56		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.21	66.63	16.43	0.46	130.0	± 9.6 %
		Y	5.24	66.25	16.22		130.0	
		Z	5.29	66.44	16.40		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.30	66.65	16.49	0.46	130.0	± 9.6 %
		Y	5.33	66.28	16.29		130.0	
		Z	5.39	66.50	16.48		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.31	66.81	16.69	0.46	130.0	± 9.6 %
		Y	5.31	66.38	16.46		130.0	
		Z	5.37	66.59	16.65		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.32	66.98	16.77	0.46	130.0	± 9.6 %
		Y	5.34	66.58	16.56		130.0	
		Z	5.39	66.79	16.74		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.20	66.48	16.39	0.46	130.0	± 9.6 %
		Y	5.20	66.06	16.17		130.0	
		Z	5.25	66.25	16.34		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.38	66.68	16.55	0.46	130.0	± 9.6 %
		Y	5.41	66.29	16.35		130.0	
		Z	5.46	66.49	16.52		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.69	67.49	17.01	0.46	130.0	± 9.6 %
		Y	5.85	67.51	17.01		130.0	
		Z	5.93	67.77	17.20		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.55	66.68	16.46	0.46	130.0	± 9.6 %
		Y	5.54	66.26	16.24		130.0	
		Z	5.58	66.45	16.40		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.79	67.25	16.70	0.46	130.0	± 9.6 %
		Y	5.82	66.93	16.53		130.0	
		Z	5.87	67.12	16.69		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.57	66.73	16.38	0.46	130.0	± 9.6 %
		Y	5.59	66.40	16.20		130.0	
		Z	5.64	66.59	16.36		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.65	66.79	16.40	0.46	130.0	± 9.6 %
		Y	5.69	66.52	16.25		130.0	
		Z	5.73	66.67	16.39		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.03	68.15	17.08	0.46	130.0	± 9.6 %
		Y	6.29	68.49	17.22		130.0	
		Z	6.38	68.79	17.43		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.96	68.05	17.22	0.46	130.0	± 9.6 %
		Y	6.06	67.94	17.16		130.0	
		Z	6.15	68.25	17.38		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.76	67.33	16.89	0.46	130.0	± 9.6 %
		Y	5.78	66.97	16.69		130.0	
		Z	5.83	67.17	16.87		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.64	66.92	16.51	0.46	130.0	± 9.6 %
		Y	5.65	66.54	16.30		130.0	
		Z	5.71	66.76	16.48		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.62	66.95	16.58	0.46	130.0	± 9.6 %
		Y	5.63	66.56	16.37		130.0	
		Z	5.69	66.78	16.55		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.49	66.24	15.95	0.46	130.0	± 9.6 %
		Y	5.52	65.90	15.77		130.0	
		Z	5.56	66.07	15.92		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.97	67.02	16.52	0.46	130.0	± 9.6 %
		Y	5.97	66.67	16.35		130.0	
		Z	6.01	66.85	16.50		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.12	67.41	16.70	0.46	130.0	± 9.6 %
		Y	6.14	67.11	16.55		130.0	
		Z	6.19	67.29	16.70		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.12	67.38	16.66	0.46	130.0	± 9.6 %
		Y	6.14	67.07	16.51		130.0	
		Z	6.19	67.25	16.66		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.09	67.31	16.68	0.46	130.0	± 9.6 %
		Y	6.11	67.00	16.52		130.0	
		Z	6.16	67.20	16.68		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.09	67.31	16.62	0.46	130.0	± 9.6 %
		Y	6.13	67.04	16.47		130.0	
		Z	6.18	67.25	16.64		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.15	67.24	16.60	0.46	130.0	± 9.6 %
		Y	6.15	66.89	16.42		130.0	
		Z	6.19	67.04	16.56		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.18	67.49	16.89	0.46	130.0	± 9.6 %
		Y	6.20	67.16	16.73		130.0	
		Z	6.25	67.36	16.89		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.02	67.17	16.63	0.46	130.0	± 9.6 %
		Y	6.04	66.85	16.47		130.0	
		Z	6.08	67.03	16.62		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.16	67.59	16.86	0.46	130.0	± 9.6 %
		Y	6.24	67.46	16.79		130.0	
		Z	6.31	67.70	16.97		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.33	67.74	16.89	0.46	130.0	± 9.6 %
		Y	6.77	68.58	17.30		130.0	
		Z	6.86	68.86	17.49		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	21.37	115.44	39.45	9.30	60.0	± 9.6 %
		Y	16.57	106.59	36.30		60.0	
		Z	12.85	100.08	33.69		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	17.53	111.56	38.45	9.30	60.0	± 9.6 %
		Y	14.74	104.61	35.82		60.0	
		Z	11.56	98.37	33.26		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.76	65.85	11.89	0.00	150.0	± 9.6 %
		Y	0.58	62.15	9.36		150.0	
		Z	0.68	64.26	11.01		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.58	67.43	16.93	2.23	80.0	± 9.6 %
		Y	3.45	66.17	16.33		80.0	
		Z	3.45	66.30	16.52		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.06	66.44	16.92	2.23	80.0	± 9.6 %
		Y	3.99	65.63	16.51		80.0	
		Z	3.96	65.65	16.63		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.03	66.03	16.90	2.23	80.0	± 9.6 %
		Y	3.96	65.29	16.52		80.0	
		Z	3.93	65.30	16.62		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.09	65.98	16.92	2.23	80.0	± 9.6 %
		Y	4.02	65.29	16.56		80.0	
		Z	3.99	65.31	16.66		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	29.16	94.14	21.13	10.00	50.0	± 9.6 %
		Y	9.47	81.27	17.74		50.0	
		Z	5.06	73.00	14.38		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	100.00	106.49	22.76	6.99	60.0	± 9.6 %
		Y	100.00	105.92	22.67		60.0	
		Z	6.66	77.90	14.77		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	106.89	21.67	3.98	80.0	± 9.6 %
		Y	100.00	101.15	19.24		80.0	
		Z	100.00	98.11	17.66		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	109.97	21.79	2.22	100.0	± 9.6 %
		Y	1.04	66.37	7.97		100.0	
		Z	0.32	60.00	4.70		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	122.28	24.82	0.97	120.0	± 9.6 %
		Y	46.02	217.52	18.45		120.0	
		Z	88.16	61.15	1.49		120.0	

[E] Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

APPENDIX D: SAR TISSUE SPECIFICATIONS

Measurement Procedure for Tissue verification:

1) The network analyzer and probe system was configured and calibrated.
2) The probe was immersed in the tissue. The tissue was placed in a nonmetallic container. Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle.
3) The complex admittance with respect to the probe aperture was measured
4) The complex relative permittivity ε' can be calculated from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\varepsilon_r\varepsilon_0}{\left[\ln(b/a)\right]^2}\int_a^b\int_a^b\int_0^\pi \cos\phi' \frac{\exp\left[-j\omega r(\mu_0\varepsilon_r'\varepsilon_0)^{1/2}\right]}{r}\,d\phi' d\rho' d\rho$$

where Y is the admittance of the probe in contact with the sample, the primed and unprimed coordinates refer to source and observation points, respectively, $r^2 = \rho^2 + \rho'^2 - 2\rho\rho'\cos\phi'$, ω is the angular frequency, and $j = \sqrt{-1}$.

Table D-I
Composition of the Tissue Equivalent Matter

Frequency (MHz)	750	835	1750	1900	2300-2600	5200-5800
Tissue	Body	Body	Body	Body	Body	Body
Ingredients (% by weight)						
Bactericide	See page 2	0.1				
DGBE			31	29.44	26.7	
HEC		1				
NaCl		0.94	0.2	0.39	0.1	
Sucrose		44.9				
Polysorbate (Tween) 80						20
Water		53.06	68.8	70.17	73.2	80

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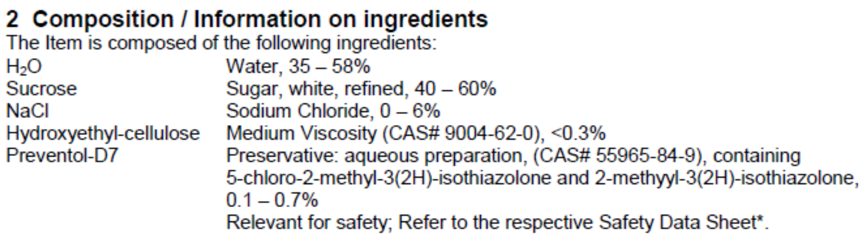


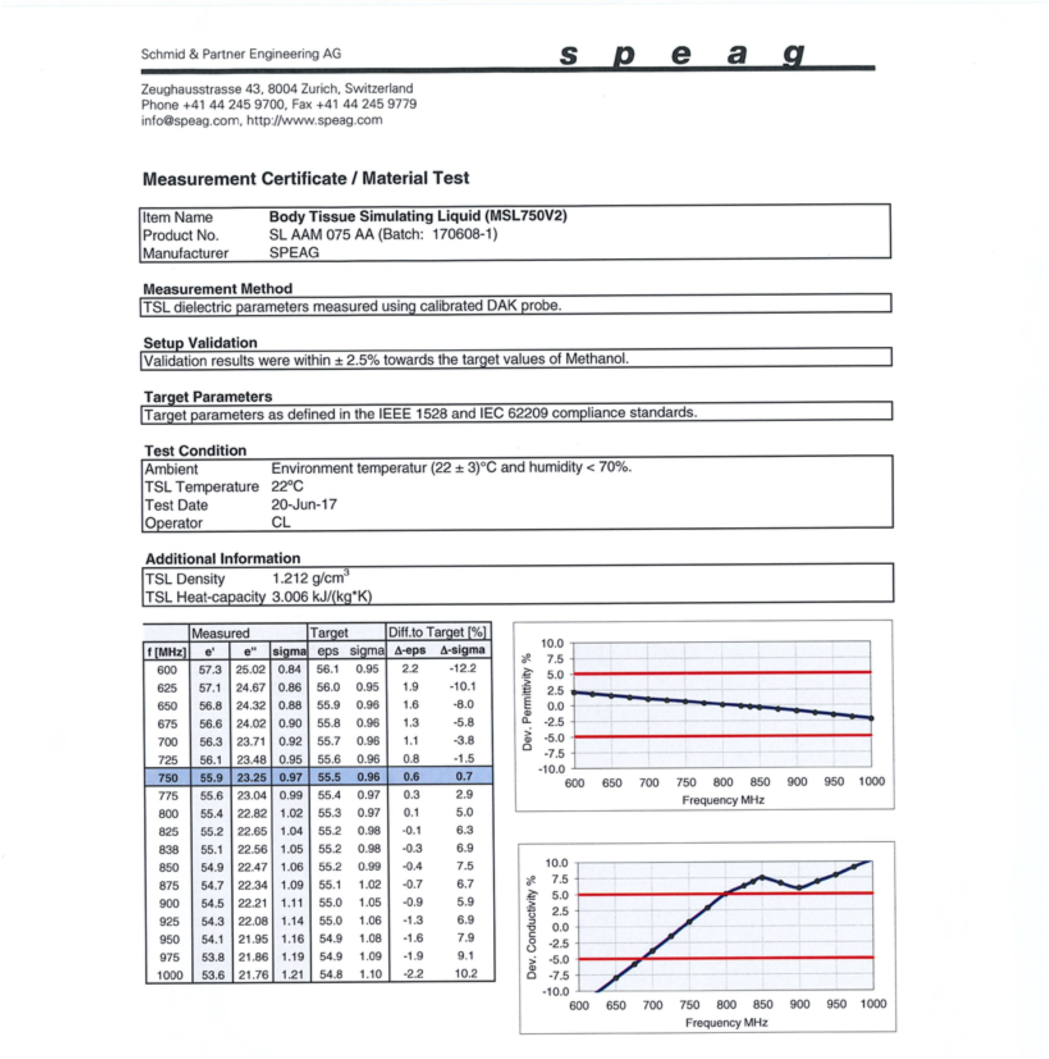
2 Composition / Information on ingredients

The Item is composed of the following ingredients:

H_2O	Water, 35 – 58%
Sucrose	Sugar, white, refined, 40 – 60%
NaCl	Sodium Chloride, 0 – 6%
Hydroxyethyl-cellulose	Medium Viscosity (CAS# 9004-62-0), <0.3%
Preventol-D7	Preservative: aqueous preparation, (CAS# 55965-84-9), containing 5-chloro-2-methyl-3(2H)-isothiazolone and 2-methyyl-3(2H)-isothiazolone, 0.1 – 0.7% Relevant for safety; Refer to the respective Safety Data Sheet*.

Figure D-1
Composition of 750 MHz Body Tissue Equivalent Matter

Note: 750MHz liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.



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Measurement Certificate / Material Test

Item Name	**Body Tissue Simulating Liquid (MSL750V2)**
Product No.	SL AAM 075 AA (Batch: 170608-1)
Manufacturer	SPEAG

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation

Validation results were within ± 2.5% towards the target values of Methanol.

Target Parameters

Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

Test Condition

Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22°C
Test Date	20-Jun-17
Operator	CL

Additional Information

TSL Density	1.212 g/cm^3
TSL Heat-capacity	3.006 kJ/(kg*K)

	Measured			Target		Diff.to Target [%]	
f [MHz]	**e'**	**e''**	**sigma**	eps	sigma	**Δ-eps**	**Δ-sigma**
600	57.3	25.02	0.84	56.1	0.95	2.2	-12.2
625	57.1	24.67	0.86	56.0	0.95	1.9	-10.1
650	56.8	24.32	0.88	55.9	0.96	1.6	-8.0
675	56.6	24.02	0.90	55.8	0.96	1.3	-5.8
700	56.3	23.71	0.92	55.7	0.96	1.1	-3.8
725	56.1	23.48	0.95	55.6	0.96	0.8	-1.5
750	**55.9**	**23.25**	**0.97**	**55.5**	**0.96**	**0.6**	**0.7**
775	55.6	23.04	0.99	55.4	0.97	0.3	2.9
800	55.4	22.82	1.02	55.3	0.97	0.1	5.0
825	55.2	22.65	1.04	55.2	0.98	-0.1	6.3
838	55.1	22.56	1.05	55.2	0.98	-0.3	6.9
850	54.9	22.47	1.06	55.2	0.99	-0.4	7.5
875	54.7	22.34	1.09	55.1	1.02	-0.7	6.7
900	54.5	22.21	1.11	55.0	1.05	-0.9	5.9
925	54.3	22.08	1.14	55.0	1.06	-1.3	6.9
950	54.1	21.95	1.16	54.9	1.08	-1.6	7.9
975	53.8	21.86	1.19	54.9	1.09	-1.9	9.1
1000	53.6	21.76	1.21	54.8	1.10	-2.2	10.2

Figure D-2
750MHz Body Tissue Equivalent Matter

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APPENDIX E: SAR SYSTEM VALIDATION

Per FCC KDB Publication 865664 D02v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

Table E-1
SAR System Validation Summary

SAR SYSTEM #	FREQ. [MHz]	DATE	PROBE SN	PROBE TYPE	PROBE CAL. POINT		COND.	PERM.	CW VALIDATION			MOD. VALIDATION		
							(σ)	(εr)	SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM3	750	8/29/2018	7416	EX3DV4	750	Body	0.960	55.009	PASS	PASS	PASS	N/A	N/A	N/A
AM4	750	9/15/2018	7416	EX3DV4	750	Body	0.960	54.683	PASS	PASS	PASS	N/A	N/A	N/A
AM5	835	4/24/2018	7490	EX3DV4	835	Body	0.979	57.188	PASS	PASS	PASS	GMSK	PASS	N/A
AM8	1750	6/20/2018	3287	ES3DV3	1750	Body	1.437	53.450	PASS	PASS	PASS	N/A	N/A	N/A
AM8	1900	6/20/2018	3287	ES3DV3	1900	Body	1.537	53.280	PASS	PASS	PASS	GMSK	PASS	N/A
AM1	1900	7/11/2018	3275	ES3DV3	1900	Body	1.565	51.519	PASS	PASS	PASS	GMSK	PASS	N/A
AM2	2300	6/29/2018	3022	ES3DV2	2300	Body	1.872	51.973	PASS	PASS	PASS	N/A	N/A	N/A
AM1	2450	7/16/2018	3275	ES3DV3	2450	Body	2.004	52.717	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM7	2450	4/2/2018	3329	ES3DV3	2450	Body	2.023	50.604	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM2	2450	7/2/2018	3022	ES3DV2	2450	Body	2.034	52.592	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM2	2600	7/3/2018	3022	ES3DV2	2600	Body	2.177	52.355	PASS	PASS	PASS	TDD	PASS	N/A
AM7	2600	4/3/2018	3329	ES3DV3	2600	Body	2.166	50.360	PASS	PASS	PASS	TDD	PASS	N/A
AM6	5250	4/5/2018	3837	EX3DV4	5250	Body	5.455	47.993	PASS	PASS	PASS	OFDM	N/A	PASS
AM6	5600	4/6/2018	3837	EX3DV4	5600	Body	5.963	47.270	PASS	PASS	PASS	OFDM	N/A	PASS
AM6	5750	4/6/2018	3837	EX3DV4	5750	Body	6.176	47.000	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to FCC KDB Publication 865664 D01v01r04.

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APPENDIX G: POWER REDUCTION VERIFICATION

The device supports manufacturer's proprietary power reduction mechanism called "Detect Mode" for the Main Cellular Antenna. Details of this mechanism can be found in the Operational Description. When the device is being used "on-body" or "held in hand" by the user, the device will detect motion and reduce the power of the main antenna. Per the manufacturer, the mechanism is agnostic to different cellular air interfaces. Detect Mode operation was verified for two test cases, on-body and held in hand, for each supported cellular band. The power reduction verification results are below.

1.1 Main Antenna Power Reduction Verification Summary

Table G-1
Main Antenna Power Reduction Verification

Mode/Band	Maximum Scenario Maximum Allowed Target Power [dBm]	Reduced Scenario Maximum Allowed Target Power [dBm]	Conducted Power [dBm]			
			Maximum	Test Case 1	Test Case 2	Verdict
GPRS 850 (2 Tx)	28.50 (±0.75)	26.45 (±0.75)	29.03	26.33	26.48	PASS
GPRS 1900 (2 Tx)	28.50 (±0.75)	19.65 (±0.75)	27.99	19.27	19.31	PASS
WCDMA B5	25.00 (±0.50)	20.90 (±0.50)	24.91	20.81	20.79	PASS
WCDMA B4	25.00 (±0.50)	14.50 (±0.50)	24.89	14.40	14.22	PASS
WCDMA B2	25.00 (±0.50)	14.00 (±0.50)	24.59	13.77	13.84	PASS
LTE Band 71	25.00 (±0.50)	22.60 (±0.50)	25.26	22.10	22.26	PASS
LTE Band 12	23.25 (±0.50)	19.20 (±0.50)	22.86	18.93	18.93	PASS
LTE Band 17	23.25 (±0.50)	19.20 (±0.50)	22.88	18.91	18.90	PASS
LTE Band 14	25.00 (±0.50)	21.70 (±0.50)	24.97	21.61	21.63	PASS
LTE Band 13	25.00 (±0.50)	21.70 (±0.50)	25.10	21.77	21.77	PASS
LTE Band 5	23.25 (±0.50)	20.30 (±0.50)	23.10	20.71	20.64	PASS
LTE Band 26	23.25 (±0.50)	20.30 (±0.50)	23.01	20.32	20.37	PASS
LTE Band 4	22.00 (±0.50)	14.50 (±0.50)	21.96	14.63	14.69	PASS
LTE Band 66	22.00 (±0.50)	14.50 (±0.50)	21.98	14.46	14.50	PASS
LTE Band 2	25.00 (±0.50)	14.00 (±0.50)	24.56	14.06	13.98	PASS
LTE Band 25	25.00 (±0.50)	14.00 (±0.50)	24.93	13.79	13.82	PASS
LTE Band 30	21.50 (±0.50)	12.80 (±0.50)	21.51	12.65	12.59	PASS
LTE Band 7	21.75 (±0.50)	12.50 (±0.50)	21.81	12.49	12.46	PASS
LTE Band 41	24.75 (±0.50)	16.80 (±0.50)	24.49	16.47	16.50	PASS

Test Case 1: Device Held in Hand

Test Case 2: Device Resting on Lap

Test Cases represent typical scenarios in which the device power would be reduced. In these scenarios detect mode has been verified to identify typical on-body use-cases including when thin objects, such as a magazine or newspaper, are placed between the body and the device. In the absence of detect mode output, the device defaults to the most conservative power.

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APPENDIX H: DOWNLINK LTE CA RF CONDUCTED POWERS

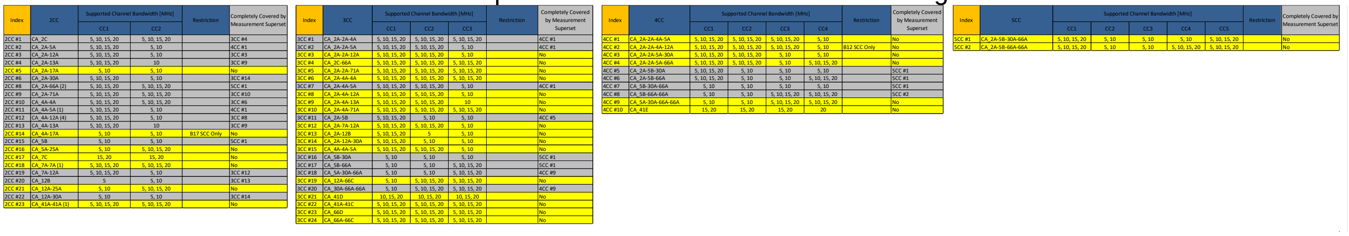
1.1 LTE Downlink Only Carrier Aggregation Test Reduction Methodology

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number of component carriers (CCs) supported by the product implementation. Per April 2018 TCBC Workshop Notes, the following test reduction methodology was applied to determine the combinations required for conducted power measurements.

LTE DLCA Test Reduction Methodology:

- The supported combinations were arranged by the number of component carriers in columns.
- Any limitations on the PCC or SCC for each combination were identified alongside the combination (e.g. CA_2A-2A-4A-12A, but B12 can only be configured as a SCC).
- Power measurements were performed for "supersets" (LTE CA combinations with multiple components carriers) and any "subsets" (LTE CA combinations with fewer component carriers) that were not completely covered by the supersets.
- Only subsets that have the exact same components as a superset were excluded for measurement.
- When there were certain restrictions on component carriers that existed in the superset that were not applied for the subset, the subset configuration was additionally evaluated.
- Both inter-band and intra-band downlink carrier aggregation scenarios were considered.
- Downlink CA combinations for SISO and 4x4 Downlink MIMO operations were measured independently, per May 2017 TCBC Workshop notes.

Table 1 – Example of Exclusion Table for SISO Configurations



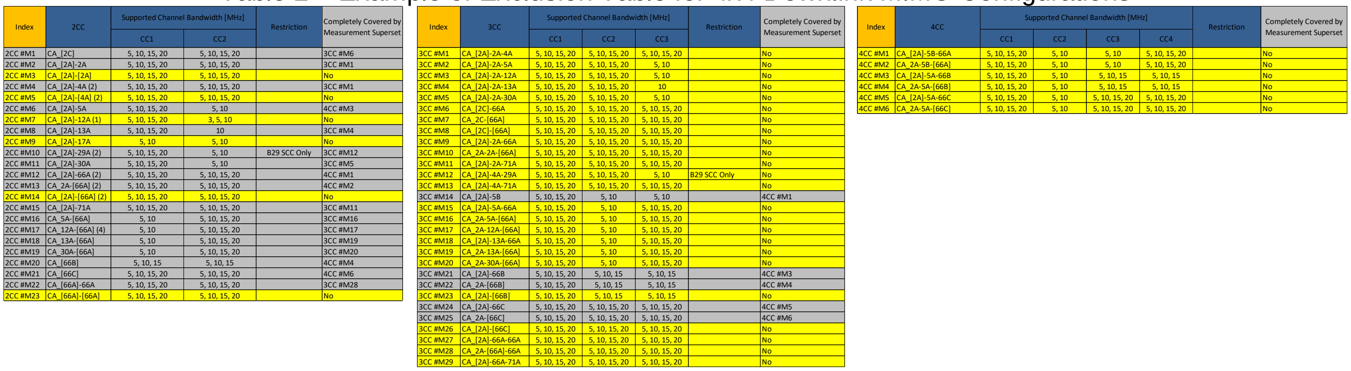
Index	2CC	Supported Channel Bandwidth [MHz]		Restriction	Completely Covered by Measurement Superset
		CC1	CC2		
2CC #1	CA_2C	5, 10, 15, 20	5, 10, 15, 20		3CC #4
2CC #2	CA_2A-5A	5, 10, 15, 20	5, 10		4CC #1
2CC #3	CA_2A-12A	5, 10, 15, 20	5, 10		3CC #3
2CC #4	CA_2A-13A	5, 10, 15, 20	10		3CC #9
2CC #5	CA_2A-17A	5, 10	5, 10		No
2CC #6	CA_2A-30A	5, 10, 15, 20	5, 10		3CC #14
2CC #8	CA_2A-66A (2)	5, 10, 15, 20	5, 10, 15, 20		5CC #1
2CC #9	CA_2A-71A	5, 10, 15, 20	5, 10, 15, 20		3CC #10
2CC #10	CA_4A-4A	5, 10, 15, 20	5, 10, 15, 20		3CC #6
2CC #11	CA_4A-5A (1)	5, 10, 15, 20	5, 10		4CC #1
2CC #12	CA_4A-12A (4)	5, 10, 15, 20	5, 10		3CC #8
2CC #13	CA_4A-13A	5, 10, 15, 20	10		3CC #9
2CC #14	CA_4A-17A	5, 10	5, 10	B17 SCC Only	No
2CC #15	CA_5B	5, 10	5, 10		5CC #1
2CC #16	CA_5A-25A	5, 10	5, 10, 15, 20		No
2CC #17	CA_7C	15, 20	15, 20		No
2CC #18	CA_7A-7A (1)	5, 10, 15, 20	5, 10, 15, 20		No
2CC #19	CA_7A-12A	5, 10, 15, 20	5, 10		3CC #12
2CC #20	CA_12B	5	5, 10		3CC #13
2CC #21	CA_12A-25A	5, 10	5, 10, 15, 20		No
2CC #22	CA_12A-30A	5, 10	5, 10		3CC #14
2CC #23	CA_41A-41A (1)	5, 10, 15, 20	5, 10, 15, 20		No

Index	3CC	Supported Channel Bandwidth [MHz]			Restriction	Completely Covered by Measurement Superset
		CC1	CC2	CC3		
3CC #1	CA_2A-2A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		4CC #1
3CC #2	CA_2A-2A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10		4CC #1
3CC #3	CA_2A-2A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #4	CA_2C-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #5	CA_2A-2A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #6	CA_2A-4A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #7	CA_2A-4A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10		4CC #1
3CC #8	CA_2A-4A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #9	CA_2A-4A-13A	5, 10, 15, 20	5, 10, 15, 20	10		No
3CC #10	CA_2A-4A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #11	CA_2A-5B	5, 10, 15, 20	5, 10	5, 10		4CC #5
3CC #12	CA_2A-7A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #13	CA_2A-12B	5, 10, 15, 20	5	5, 10		No
3CC #14	CA_2A-12A-30A	5, 10, 15, 20	5, 10	5, 10		No
3CC #15	CA_4A-4A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #16	CA_5B-30A	5, 10	5, 10	5, 10		5CC #1
3CC #17	CA_5B-66A	5, 10	5, 10	5, 10, 15, 20		5CC #1
3CC #18	CA_5A-30A-66A	5, 10	5, 10	5, 10, 15, 20		4CC #9
3CC #19	CA_12A-66C	5, 10	5, 10, 15, 20	5, 10, 15, 20		No
3CC #20	CA_30A-66A-66A	5, 10	5, 10, 15, 20	5, 10, 15, 20		4CC #9
3CC #21	CA_41D	10, 15, 20	10, 15, 20	10, 15, 20		No
3CC #22	CA_41A-41C	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #23	CA_66D	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #24	CA_66A-66C	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No

Index	4CC	Supported Channel Bandwidth [MHz]				Restriction	Completely Covered by Measurement Superset
		CC1	CC2	CC3	CC4		
4CC #1	CA_2A-2A-4A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
4CC #2	CA_2A-2A-4A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20	5, 10	B12 SCC Only	No
4CC #3	CA_2A-2A-5A-30A	5, 10, 15, 20	5, 10, 15, 20	5, 10	5, 10		No
4CC #4	CA_2A-2A-5A-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
4CC #5	CA_2A-5B-30A	5, 10, 15, 20	5, 10	5, 10	5, 10		5CC #1
4CC #6	CA_2A-5B-66A	5, 10, 15, 20	5, 10	5, 10	5, 10, 15, 20		5CC #1
4CC #7	CA_5B-30A-66A	5, 10	5, 10	5, 10	5, 10		5CC #1
4CC #8	CA_5B-66A-66A	5, 10	5, 10	5, 10, 15, 20	5, 10, 15, 20		5CC #2
4CC #9	CA_5A-30A-66A-66A	5, 10	5, 10	5, 10, 15, 20	5, 10, 15, 20		No
4CC #10	CA_41E	15, 20	15, 20	15, 20	20		No

Index	5CC	Supported Channel Bandwidth [MHz]					Restriction	Completely Covered by Measurement Superset
		CC1	CC2	CC3	CC4	CC5		
5CC #1	CA_2A-5B-30A-66A	5, 10, 15, 20	5, 10	5, 10	5, 10	5, 10, 15, 20		No
5CC #2	CA_2A-5B-66A-66A	5, 10, 15, 20	5, 10	5, 10	5, 10, 15, 20	5, 10, 15, 20		No

Table 2 – Example of Exclusion Table for 4x4 Downlink MIMO Configurations



Index	2CC	Supported Channel Bandwidth [MHz]		Restriction	Completely Covered by Measurement Superset
		CC1	CC2		
2CC #M1	CA_[2C]	5, 10, 15, 20	5, 10, 15, 20		3CC #M6
2CC #M2	CA_[2A]-2A	5, 10, 15, 20	5, 10, 15, 20		3CC #M1
2CC #M3	CA_[2A]-[2A]	5, 10, 15, 20	5, 10, 15, 20		No
2CC #M4	CA_[2A]-4A (2)	5, 10, 15, 20	5, 10, 15, 20		3CC #M1
2CC #M5	CA_[2A]-[4A] (2)	5, 10, 15, 20	5, 10, 15, 20		No
2CC #M6	CA_[2A]-5A	5, 10, 15, 20	5, 10		4CC #M3
2CC #M7	CA_[2A]-12A (1)	5, 10, 15, 20	3, 5, 10		No
2CC #M8	CA_[2A]-13A	5, 10, 15, 20	10		3CC #M4
2CC #M9	CA_[2A]-17A	5, 10	5, 10		No
2CC #M10	CA_[2A]-29A (2)	5, 10, 15, 20	5, 10	B29 SCC Only	3CC #M12
2CC #M11	CA_[2A]-30A	5, 10, 15, 20	5, 10		3CC #M5
2CC #M12	CA_[2A]-66A (2)	5, 10, 15, 20	5, 10, 15, 20		4CC #M1
2CC #M13	CA_2A-[66A] (2)	5, 10, 15, 20	5, 10, 15, 20		4CC #M2
2CC #M14	CA_[2A]-[66A] (2)	5, 10, 15, 20	5, 10, 15, 20		No
2CC #M15	CA_[2A]-71A	5, 10, 15, 20	5, 10, 15, 20		3CC #M11
2CC #M16	CA_5A-[66A]	5, 10	5, 10, 15, 20		3CC #M16
2CC #M17	CA_12A-[66A] (4)	5, 10	5, 10, 15, 20		3CC #M17
2CC #M18	CA_13A-[66A]	5, 10	5, 10, 15, 20		3CC #M19
2CC #M19	CA_30A-[66A]	5, 10	5, 10, 15, 20		3CC #M20
2CC #M20	CA_[66B]	5, 10, 15	5, 10, 15		4CC #M4
2CC #M21	CA_[66C]	5, 10, 15, 20	5, 10, 15, 20		4CC #M6
2CC #M22	CA_[66A]-66A	5, 10, 15, 20	5, 10, 15, 20		3CC #M28
2CC #M23	CA_[66A]-[66A]	5, 10, 15, 20	5, 10, 15, 20		No

Index	3CC	Supported Channel Bandwidth [MHz]			Restriction	Completely Covered by Measurement Superset
		CC1	CC2	CC3		
3CC #M1	CA_[2A]-2A-4A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M2	CA_[2A]-2A-5A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #M3	CA_[2A]-2A-12A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #M4	CA_[2A]-2A-13A	5, 10, 15, 20	5, 10, 15, 20	10		No
3CC #M5	CA_[2A]-2A-30A	5, 10, 15, 20	5, 10, 15, 20	5, 10		No
3CC #M6	CA_[2C]-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M7	CA_2C-[66A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M8	CA_[2C]-[66A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M9	CA_[2A]-2A-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M10	CA_2A-2A-[66A]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M11	CA_[2A]-2A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M12	CA_[2A]-4A-29A	5, 10, 15, 20	5, 10, 15, 20	5, 10	B29 SCC Only	No
3CC #M13	CA_[2A]-4A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M14	CA_[2A]-5B	5, 10, 15, 20	5, 10	5, 10		4CC #M1
3CC #M15	CA_[2A]-5A-66A	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M16	CA_2A-5A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M17	CA_2A-12A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M18	CA_[2A]-13A-66A	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M19	CA_2A-13A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M20	CA_2A-30A-[66A]	5, 10, 15, 20	5, 10	5, 10, 15, 20		No
3CC #M21	CA_[2A]-66B	5, 10, 15, 20	5, 10, 15	5, 10, 15		4CC #M3
3CC #M22	CA_2A-[66B]	5, 10, 15, 20	5, 10, 15	5, 10, 15		4CC #M4
3CC #M23	CA_[2A]-[66B]	5, 10, 15, 20	5, 10, 15	5, 10, 15		No
3CC #M24	CA_[2A]-66C	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		4CC #M5
3CC #M25	CA_2A-[66C]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		4CC #M6
3CC #M26	CA_[2A]-[66C]	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M27	CA_[2A]-66A-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M28	CA_2A-[66A]-66A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No
3CC #M29	CA_[2A]-66A-71A	5, 10, 15, 20	5, 10, 15, 20	5, 10, 15, 20		No

Index	4CC	Supported Channel Bandwidth [MHz]				Restriction	Completely Covered by Measurement Superset
		CC1	CC2	CC3	CC4		
4CC #M1	CA_[2A]-5B-66A	5, 10, 15, 20	5, 10	5, 10	5, 10, 15, 20		No
4CC #M2	CA_2A-5B-[66A]	5, 10, 15, 20	5, 10	5, 10	5, 10, 15, 20		No
4CC #M3	CA_[2A]-5A-66B	5, 10, 15, 20	5, 10	5, 10, 15	5, 10, 15		No
4CC #M4	CA_2A-5A-[66B]	5, 10, 15, 20	5, 10	5, 10, 15	5, 10, 15		No
4CC #M5	CA_[2A]-5A-66C	5, 10, 15, 20	5, 10	5, 10, 15, 20	5, 10, 15, 20		No
4CC #M6	CA_2A-5A-[66C]	5, 10, 15, 20	5, 10	5, 10, 15, 20	5, 10, 15, 20		No

Note: [CC] indicates component carrier with 4x4 DL MIMO antenna configuration

1.2 LTE Downlink Only Carrier Aggregation Test Selection and Setup

SAR test exclusion for LTE downlink Carrier Aggregation is determined by power measurements according to the number component carriers (CCs) supported by the product implementation. For those configurations required by April 2018 TCBC Workshop Notes, conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

This device supports LAA with downlink carrier aggregation only. It uses carrier aggregation in the downlink to combine LTE in the unlicensed spectrum (i.e. LTE Band 46) with LTE in the licensed band (served as PCC). All uplink communications and acknowledgements on the PCC remain identical to specifications when downlink carrier aggregation is inactive.

Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for carrier aggregation configurations when the average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive.

General PCC and SCC configuration selection procedure

- PCC uplink channel, channel bandwidth, modulation and RB configurations were selected based on section C)3)b)ii) of KBD 941225 D05 V01r02. The downlink PCC channel was paired with the selected PCC uplink channel according to normal configurations without carrier aggregation.
- To maximize aggregated bandwidth, highest channel bandwidth available for that CA combination was selected for SCC. For inter-band CA, the SCC downlink channels were selected near the middle of their transmission bands. For contiguous intra-band CA, the downlink channel spacing between the component carriers was set to multiple of 300 kHz less than the nominal channel spacing defined in section 5.4.1A of 3GPP TS 36.521. For non-contiguous intra-band CA, the downlink channel spacing between the component carriers was set to be larger than the nominal channel spacing and provided maximum separation between the component carriers.
- All selected PCC and SCC(s) remained fully within the uplink/downlink transmission band of the respective component carrier.
- When a device supports LTE capabilities with overlapping transmission frequency ranges, the standalone powers from the band with a larger transmission frequency range can be used to select measurement configurations for the band with the fully covered transmission frequency range.

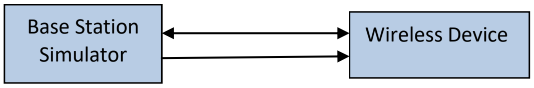


Figure 1
DL CA Power Measurement Setup

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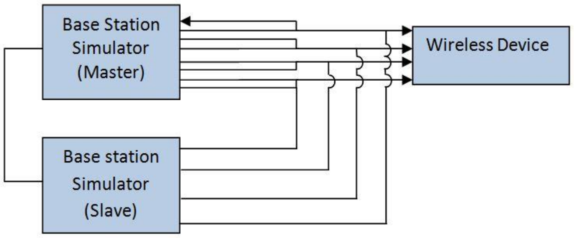
Base Station Simulator (Master)
Wireless Device
Base station Simulator (Slave)

Figure 2
DL CA with DL 4x4 MIMO Power Measurement Setup

1.3 Downlink Carrier Aggregation RF Conducted Powers

1.3.1 LTE Band 71 as PCC

Table 1
Output Powers – Ant 1

	PCC									SCC 1				SCC 2				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-2A-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	LTE B2	20	900	1960	LTE B2	20	700	1940	22.58	22.73
CA_2A-4A-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	22.60	22.73
CA_2A-66A-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	22.60	22.73
CA_4A-4A-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	22.59	22.73
CA_66A-66A-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	22.58	22.73
CA_66C-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	22.73	22.73

Table 2
Output Powers – Ant 3

	PCC									SCC 1				SCC 2				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-2A-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	LTE B2	20	900	1960	LTE B2	20	700	1940	22.49	22.60
CA_2A-4A-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	22.38	22.60
CA_2A-66A-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	22.51	22.60
CA_4A-4A-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	22.48	22.60
CA_66A-66A-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	22.54	22.60
CA_66C-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	22.50	22.60

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1.3.2 LTE Band 12 as PCC

Table 3
Output Powers – Ant 1

	PCC									SCC 1				SCC 2				SCC 3				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	19.61	19.70
CA_4A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	19.62	19.70
CA_4A-12A (2)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	19.62	19.70
CA_12A-66A (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	19.66	19.70
CA_12A-66A (2)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	19.66	19.70
CA_2C-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	19.67	19.70
CA_4A-7A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	LTE B7	20	3100	2655	-	-	-	-	19.69	19.70
CA_2A-2A-12B	LTE B12	5	23035	701.5	64QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B2	20	700	1940	19.56	19.70
CA_2A-2A-4A-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	19.66	19.70
CA_2A-4A-4A-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.68	19.70
CA_2A-4A-12B	LTE B12	5	23035	701.5	64QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	19.54	19.70
CA_2A-2A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	19.67	19.70
CA_2A-2A-12A-66A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	19.69	19.70
CA_2A-12A-66A-66A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.69	19.70
CA_2A-12A-66C	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	19.68	19.70
CA_2A-4A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	19.67	19.70
CA_2A-12A-30A-66A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	19.67	19.70
CA_4A-4A-12B	LTE B12	5	23035	701.5	64QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.51	19.70
CA_4A-4A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	19.68	19.70
CA_12A-30A-66A-66A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.66	19.70

Table 4
Output Powers – Ant 3

	PCC									SCC 1				SCC 2				SCC 3				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	21.66	21.70
CA_4A-12A (1)	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	21.65	21.70
CA_4A-12A (2)	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	21.65	21.70
CA_12A-66A (1)	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	21.66	21.70
CA_12A-66A (2)	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	21.66	21.70
CA_2C-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	21.65	21.70
CA_4A-7A-12A (1)	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B4	20	2175	2132.5	LTE B7	20	3100	2655	-	-	-	-	21.67	21.70
CA_2A-2A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B2	20	700	1940	21.46	21.70
CA_2A-2A-4A-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	21.69	21.70
CA_2A-4A-4A-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	21.70	21.70
CA_2A-4A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	21.51	21.70
CA_2A-2A-12A-30A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	21.70	21.70
CA_2A-2A-12A-66A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	21.68	21.70
CA_2A-12A-66A-66A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.66	21.70
CA_2A-12A-66C	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	21.70	21.70
CA_2A-4A-12A-30A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	21.67	21.70
CA_2A-12A-30A-66A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	21.70	21.70
CA_4A-4A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B12	10	5107	738.7	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	21.48	21.70
CA_4A-4A-12A-30A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	21.69	21.70
CA_12A-30A-66A-66A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.69	21.70

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1.3.3 LTE Band 17 as PCC

Table 5
Output Powers – Ant 1

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-17A	LTE B17	10	23790	710	QPSK	1	0	5790	740	LTE B2	10	900	1960	19.67	19.70
CA_4A-17A	LTE B17	10	23790	710	QPSK	1	0	5790	740	LTE B4	10	2175	2132.5	19.65	19.70

Table 6
Output Powers – Ant 3

	PCC									SCC 1				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-17A	LTE B17	10	23790	710	QPSK	25	25	5790	740	LTE B2	10	900	1960	21.69	21.70
CA_4A-17A	LTE B17	10	23790	710	QPSK	25	25	5790	740	LTE B4	10	2175	2132.5	21.67	21.70

1.3.4 LTE Band 13 as PCC

Table 7
Output Powers – Ant 1

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	23.58	23.60
CA_2A-13A-46A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	23.58	23.60
CA_4A-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	-	-	-	-	23.59	23.60
CA_13A-46A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	23.57	23.60
CA_2A-13A-46C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	23.60	23.60
CA_2A-2A-13A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	23.58	23.60
CA_2A-13A-66A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	23.56	23.60
CA_2A-13A-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	23.58	23.60
CA_2A-13A-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	23.58	23.60
CA_13A-66A-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	-	-	-	-	23.59	23.60
CA_13A-66A-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	-	-	-	-	23.57	23.60
CA_13A-46C-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	23.59	23.60
CA_2A-13A-46D	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	23.60	23.60
CA_13A-46E	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B46	20	50269	5497.9	23.58	23.60
CA_13A-46D-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B66	20	66786	2145	23.59	23.60

Table 8
Output Powers – Ant 3

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A-13A	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	22.17	22.18
CA_2A-13A-46A	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	22.18	22.18
CA_4A-4A-13A	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	-	-	-	-	22.12	22.18
CA_13A-46A-66A	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	22.18	22.18
CA_2A-13A-46C	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	22.17	22.18
CA_2A-2A-13A-66A	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	22.15	22.18
CA_2A-13A-66A-66A	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	22.17	22.18
CA_2A-13A-66B	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B2	20	900	1960	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	22.16	22.18
CA_2A-13A-66C	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	22.18	22.18
CA_13A-66A-66B	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	-	-	-	-	22.17	22.18
CA_13A-66A-66C	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	-	-	-	-	22.16	22.18
CA_13A-46C-66A	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	22.17	22.18
CA_2A-13A-46D	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	22.14	22.18
CA_13A-46E	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B46	20	50269	5497.9	22.18	22.18
CA_13A-46D-66A	LTE B13	10	23230	782	QPSK	25	0	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B66	20	66786	2145	22.15	22.18

1.3.5 LTE Band 14 as PCC

Table 9
Output Powers – Ant 1

	PCC									SCC 1				SCC 2				SCC 3				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-2A-14A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	23.59	23.60
CA_2A-14A-66A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	23.60	23.60
CA_2A-14A-30A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	23.60	23.60
CA_14A-30A-66A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	23.59	23.60

Table 10
Output Powers – Ant 3

	PCC									SCC 1				SCC 2				SCC 3				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-2A-14A-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	22.19	22.20
CA_2A-14A-66A-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	22.17	22.20
CA_2A-14A-30A-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	22.14	22.20
CA_14A-30A-66A-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	22.18	22.20

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1.3.6 LTE Band 5 as PCC

Table 11
Output Powers – Ant 1

	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-7A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	20.79	20.80
CA_5A-25A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B25	20	8365	1962.5	-	-	-	-	-	-	-	-	-	-	-	-	20.77	20.80
CA_5A-41A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B41	20	40620	2593	-	-	-	-	-	-	-	-	-	-	-	-	20.78	20.80
CA_5A-46A (1)	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	20.75	20.80
CA_2C-5A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	20.75	20.80
CA_5A-46C (1)	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	-	-	-	-	20.77	20.80
CA_2A-2A-4A-5A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	-	-	-	-	20.74	20.80
CA_2A-4A-4A-5A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	20.72	20.80
CA_2A-4A-5B	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	20.75	20.80
CA_2A-2A-5A-30A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	-	-	-	-	20.74	20.80
CA_2A-2A-5A-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	20.75	20.80
CA_2A-5A-66A-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	20.76	20.80
CA_2A-4A-5A-30A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	-	-	-	-	20.73	20.80
CA_2A-5A-30A-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	20.75	20.80
CA_4A-4A-5B	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B5	5	2453	874.3	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	20.77	20.80
CA_4A-4A-5A-30A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	-	-	-	-	20.76	20.80
CA_5A-46D (1)	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	-	-	-	-	20.78	20.80
CA_5A-66D	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	LTE B66	20	66588	2125.2	-	-	-	-	20.77	20.80
CA_5A-66A-66B	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	-	-	-	-	20.78	20.80
CA_5A-66A-66C	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	-	-	-	-	20.78	20.80
CA_5A-30A-66A-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	20.74	20.80
CA_2A-2A-5A-66B	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	20.73	20.80
CA_2A-2A-5A-66C	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	20.74	20.80
CA_2A-5B-66A-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	20.77	20.80
CA_2A-5B-66C	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	20.75	20.80
CA_2A-5B-30A-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	20.76	20.80
CA_5B-30A-66A-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	20.73	20.80

Table 12
Output Powers – Ant 3

	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-7A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	21.40	21.40
CA_5A-25A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B25	20	8365	1962.5	-	-	-	-	-	-	-	-	-	-	-	-	21.37	21.40
CA_5A-41A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B41	20	40620	2593	-	-	-	-	-	-	-	-	-	-	-	-	21.38	21.40
CA_5A-46A (1)	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	21.39	21.40
CA_2C-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	21.28	21.40
CA_5A-46C (1)	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	-	-	-	-	21.38	21.40
CA_2A-2A-4A-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	-	-	-	-	21.25	21.40
CA_2A-4A-4A-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	21.22	21.40
CA_2A-4A-5B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	21.21	21.40
CA_2A-2A-5A-30A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	-	-	-	-	21.19	21.40
CA_2A-2A-5A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	21.25	21.40
CA_2A-5A-66A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	21.22	21.40
CA_2A-4A-5A-30A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	-	-	-	-	21.21	21.40
CA_2A-5A-30A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	21.16	21.40
CA_4A-4A-5B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	21.20	21.40
CA_4A-4A-5A-30A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	-	-	-	-	21.19	21.40
CA_5A-46D (1)	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	-	-	-	-	21.20	21.40
CA_5A-66D	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	LTE B66	20	66588	2125.2	-	-	-	-	21.21	21.40
CA_5A-66A-66B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	-	-	-	-	21.19	21.40
CA_5A-66A-66C	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	-	-	-	-	21.21	21.40
CA_5A-30A-66A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	21.22	21.40
CA_2A-2A-5A-66B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	21.39	21.40
CA_2A-2A-5A-66C	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	21.33	21.40
CA_2A-5B-66A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.32	21.40
CA_2A-5B-66C	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	21.29	21.40
CA_2A-5B-30A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	21.27	21.40
CA_5B-30A-66A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.24	21.40

1.3.7 LTE Band 26 as PCC

Table 13
Output Powers – Ant 1

	PCC										SCC 1				SCC 2				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_25A-26A	LTE B26	10	26740	819	QPSK	1	0	8740	864	LTE B25	20	8365	1962.5	-	-	-	-	20.60	20.61
CA_25A-25A-26A	LTE B26	3	26705	815.5	16QAM	1	0	8705	860.5	LTE B25	20	8365	1962.5	LTE B25	20	8590	1985	20.48	20.60

Table 14
Output Powers – Ant 3

	PCC										SCC 1				SCC 2				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_25A-26A	LTE B26	1.4	26697	814.7	64QAM	6	0	8697	859.7	LTE B25	20	8365	1962.5	-	-	-	-	21.38	21.40
CA_25A-25A-26A	LTE B26	3	26705	815.5	QPSK	1	7	8705	860.5	LTE B25	20	8365	1962.5	LTE B25	20	8590	1985	21.35	21.38

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1.3.8 LTE Band 4 as PCC

Table 15
Output Powers – Ant 2A

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA_4A-12A (1)	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA_4A-12A (2)	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA_4A-17A	LTE B4	10	20000	1715	QPSK	1	49	2000	2115	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA_4A-29A	LTE B4	10	20000	1715	QPSK	1	49	2000	2115	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA_2A-4A-13A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.99	15.00
CA_2A-4A-71A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B2	20	900	1960	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	15.00	15.00
CA_4A-4A-7A (1)	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	14.98	15.00
CA_4A-7A-7A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	-	-	-	-	-	-	14.99	15.00
CA_4A-4A-13A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.97	15.00
CA_4A-4A-29A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.98	15.00
CA_4A-46A-46A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.98	15.00
CA_4A-4A-71A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.99	15.00
CA_4A-7A-12A (1)	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B7	20	3100	2655	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.98	15.00
CA_2A-2A-4A-4A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.98	15.00
CA_2A-2A-4A-5A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.99	15.00
CA_2A-4A-4A-5A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	15.00	15.00
CA_2A-4A-5B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.98	15.00
CA_2A-2A-4A-12A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.98	15.00
CA_2A-4A-4A-12A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	15.00	15.00
CA_2A-4A-12B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B2	20	900	1960	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.99	15.00
CA_2A-4A-5A-30A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	15.00	15.00
CA_2A-4A-12A-30A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.98	15.00
CA_2A-4A-29A-30A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.97	15.00
CA_4A-4A-5B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.97	15.00
CA_4A-4A-12B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.98	15.00
CA_4A-46A-46C	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.97	15.00
CA_4A-4A-5A-30A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.96	15.00
CA_4A-4A-12A-30A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.97	15.00
CA_4A-46A-46D	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	14.93	15.00

Table 16
Output Powers – Ant 2B

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.35
CA_4A-12A (1)	LTE B4	3	20385	1753.5	64QAM	1	7	2385	2153.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.33	14.38
CA_4A-12A (2)	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.27	14.35
CA_4A-17A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	14.34	14.35
CA_4A-29A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.35	14.35
CA_2A-4A-13A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.25	14.35
CA_2A-4A-71A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B2	20	900	1960	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.17	14.35
CA_4A-4A-7A (1)	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	14.32	14.35
CA_4A-7A-7A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	-	-	-	-	-	-	14.30	14.35
CA_4A-4A-13A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.35	14.35
CA_4A-4A-29A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.26	14.35
CA_4A-46A-46A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.26	14.35
CA_4A-4A-71A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.24	14.35
CA_4A-7A-12A (1)	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B7	20	3100	2655	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.22	14.35
CA_2A-2A-4A-4A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.16	14.35
CA_2A-2A-4A-5A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.13	14.35
CA_2A-4A-4A-5A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.16	14.35
CA_2A-4A-5B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.10	14.35
CA_2A-2A-4A-12A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.17	14.35
CA_2A-4A-4A-12A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.15	14.35
CA_2A-4A-12B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B2	20	900	1960	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.14	14.35
CA_2A-4A-5A-30A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.13	14.35
CA_2A-4A-12A-30A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.18	14.35
CA_2A-4A-29A-30A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.11	14.35
CA_4A-4A-5B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.18	14.35
CA_4A-4A-12B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.17	14.35
CA_4A-46A-46C	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.14	14.35
CA_4A-4A-5A-30A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.14	14.35
CA_4A-4A-12A-30A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.09	14.35
CA_4A-46A-46D	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	LTE B46	20	50665	5537.5	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	14.23	14.35

Table 17
Output Powers – Ant 4A

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.98	14.99
CA_4A-12A (1)	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.97	14.99
CA_4A-12A (2)	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.99	14.99
CA_4A-17A	LTE B4	10	20000	1715	16QAM	1	49	2000	2115	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	14.98	14.99
CA_4A-29A	LTE B4	10	20000	1715	16QAM	1	49	2000	2115	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.99	14.99
CA_2A-4A-13A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.82	14.99
CA_2A-4A-71A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B2	20	900	1960	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.76	14.99
CA_4A-4A-7A (1)	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	14.88	14.99
CA_4A-7A-7A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	-	-	-	-	-	-	14.91	14.99
CA_4A-4A-13A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.81	14.99
CA_4A-4A-29A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.78	14.99
CA_4A-46A-46A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.78	14.99
CA_4A-4A-71A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.80	14.99
CA_4A-7A-12A (1)	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B7	20	3100	2655	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.78	14.99
CA_2A-2A-4A-4A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.86	14.99
CA_2A-2A-4A-5A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.92	14.99
CA_2A-4A-4A-5A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.79	14.99
CA_2A-4A-5B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.74	14.99
CA_2A-2A-4A-12A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.85	14.99
CA_2A-4A-4A-12A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.77	14.99
CA_2A-4A-12B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B2	20	900	1960	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.92	14.99
CA_2A-4A-5A-30A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.78	14.99
CA_2A-4A-12A-30A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.75	14.99
CA_2A-4A-29A-30A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.74	14.99
CA_4A-4A-5B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.78	14.99
CA_4A-4A-12B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.74	14.99
CA_4A-46A-46C	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.88	14.99
CA_4A-4A-5A-30A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.84	14.99
CA_4A-4A-12A-30A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.78	14.99
CA_4A-46A-46D	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	14.74	14.99

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Table 18
Output Powers – Ant 4B

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA_4A-12A (1)	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA_4A-12A (2)	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA_4A-17A	LTE B4	10	20350	1750	16QAM	1	25	2350	2150	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	14.98	14.99
CA_4A-29A	LTE B4	10	20350	1750	16QAM	1	25	2350	2150	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.99	14.99
CA_2A-4A-13A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.81	15.00
CA_2A-4A-71A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B2	20	900	1960	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.80	15.00
CA_4A-4A-7A (1)	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	14.82	15.00
CA_4A-7A-7A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	-	-	-	-	-	-	14.87	15.00
CA_4A-4A-13A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.85	15.00
CA_4A-4A-29A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.77	15.00
CA_4A-46A-46A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.76	15.00
CA_4A-4A-71A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.85	15.00
CA_4A-7A-12A (1)	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B7	20	3100	2655	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.89	15.00
CA_2A-2A-4A-4A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.75	15.00
CA_2A-2A-4A-5A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.78	15.00
CA_2A-4A-4A-5A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.80	15.00
CA_2A-4A-5B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.81	15.00
CA_2A-2A-4A-12A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.78	15.00
CA_2A-4A-4A-12A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.75	15.00
CA_2A-4A-12B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B2	20	900	1960	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.76	15.00
CA_2A-4A-5A-30A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.81	15.00
CA_2A-4A-12A-30A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.82	15.00
CA_2A-4A-29A-30A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.80	15.00
CA_4A-4A-5B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.84	15.00
CA_4A-4A-12B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.86	15.00
CA_4A-46A-46C	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.84	15.00
CA_4A-4A-5A-30A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.85	15.00
CA_4A-4A-12A-30A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.86	15.00
CA_4A-46A-46D	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	15.00	15.00

1.3.9 LTE Band 66 as PCC

Table 19
Output Powers – Ant 2A

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.46	14.49
CA_7A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	14.49	14.49
CA_12A-66A (1)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.46	14.49
CA_12A-66A (2)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.46	14.49
CA_2C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.46	14.49
CA_2A-46A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.49	14.49
CA_2A-66A-71A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.48	14.49
CA_13A-46A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.45	14.49
CA_29A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.46	14.49
CA_46A-46A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.48	14.49
CA_46A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.44	14.49
CA_66D	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67130	2179.4	-	-	-	-	-	-	-	-	14.45	14.49
CA_66A-66A-71A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.47	14.49
CA_66C-71A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.34	14.49
CA_2A-2A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.47	14.49
CA_2A-2A-5A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.47	14.49
CA_2A-5A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.48	14.49
CA_2A-2A-12A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.49	14.49
CA_2A-12A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.49	14.49
CA_2A-12A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.48	14.49
CA_2A-2A-13A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B13	10	5230	751	-	-	-	-	14.45	14.49
CA_2A-13A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.49	14.49
CA_2A-13A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.39	14.49
CA_2A-13A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.48	14.49
CA_2A-2A-14A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	-	-	-	-	14.48	14.49
CA_2A-14A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B14	10	5330	763	-	-	-	-	14.49	14.49
CA_2A-2A-30A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	-	-	-	-	14.48	14.49
CA_2A-46C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.46	14.49
CA_2A-5A-30A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.47	14.49
CA_2A-12A-30A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.49	14.49
CA_2A-14A-30A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.48	14.49
CA_2A-29A-30A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.48	14.49
CA_5A-66D	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2159.6	LTE B5	10	2525	881.5	-	-	-	-	14.46	14.49
CA_5A-66A-66B	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B5	10	2525	881.5	-	-	-	-	14.45	14.49
CA_5A-66A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.48	14.49
CA_5A-30A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.49	14.49
CA_12A-30A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.47	14.49
CA_13A-66A-66B	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B13	10	5230	751	-	-	-	-	14.49	14.49
CA_13A-66A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.48	14.49
CA_13A-46C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.48	14.49
CA_14A-30A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.46	14.49
CA_46A-46C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.49	14.49
CA_46C-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.48	14.49
CA_5A-66B-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.37	14.49
CA_5A-66C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.46	14.49
CA_13A-66B-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.38	14.49
CA_13A-66C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.48	14.49
CA_2A-2A-66A-66B	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B2	20	900	1960	LTE B2	20	700	1940	14.48	14.49
CA_2A-2A-66A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.49	14.49
CA_2A-2A-5A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	14.46	14.49
CA_2A-2A-5A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	14.49	14.49
CA_2A-5B-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	14.49	14.49
CA_2A-5B-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	14.48	14.49
CA_2A-46D-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.47	14.49
CA_2A-5B-30A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	14.46	14.49
CA_5B-30A-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	14.48	14.49
CA_13A-46D-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.46	14.49
CA_46A-46D-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B46	20	67236	2190	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.49	14.49
CA_46E-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B46	20	50269	5497.9	14.49	14.49
CA_46D-66A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66786	2145	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	14.48	14.49
CA_2A-2A-66B-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.33	14.49
CA_2A-2A-66C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.49	14.49

Table 20
Output Powers – Ant 2B

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.32	14.35
CA_7A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	14.35	14.35
CA_12A-66A (1)	LTE B66	3	132657	1778.5	64QAM	1	7	67121	2178.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.37	14.38
CA_12A-66A (2)	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.35
CA_2C-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.23	14.35
CA_2A-46A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.21	14.35
CA_2A-66A-71A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.16	14.35
CA_13A-46A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.20	14.35
CA_29A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.17	14.35
CA_46A-46A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.15	14.35
CA_46A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.22	14.35
CA_66D	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66578	2124.2	LTE B66	20	66974	2163.8	-	-	-	-	-	-	-	-	14.13	14.35
CA_66A-66A-71A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.21	14.35
CA_66C-71A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66578	2124.2	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.24	14.35
CA_2A-2A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.11	14.35
CA_2A-2A-5A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.04	14.35
CA_2A-5A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.05	14.35
CA_2A-2A-12A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.10	14.35
CA_2A-12A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.16	14.35
CA_2A-12A-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66578	2124.2	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.07	14.35
CA_2A-2A-13A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B13	10	5230	751	-	-	-	-	14.13	14.35
CA_2A-13A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.07	14.35
CA_2A-13A-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	15	66554	2121.8	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.10	14.35
CA_2A-13A-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66578	2124.2	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.13	14.35
CA_2A-2A-14A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	-	-	-	-	14.13	14.35
CA_2A-14A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B14	10	5330	763	-	-	-	-	14.12	14.35
CA_2A-2A-30A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	-	-	-	-	14.08	14.35
CA_2A-46C-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.10	14.35
CA_2A-5A-30A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.09	14.35
CA_2A-12A-30A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.11	14.35
CA_2A-14A-30A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.11	14.35
CA_2A-29A-30A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.14	14.35
CA_5A-66D	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66578	2124.2	LTE B66	20	66344	2100.8	LTE B5	10	2525	881.5	-	-	-	-	14.07	14.35
CA_5A-66A-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B5	10	2525	881.5	-	-	-	-	14.01	14.35
CA_5A-66A-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.00	14.35
CA_5A-30A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.06	14.35
CA_12A-30A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.05	14.35
CA_13A-66A-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B13	10	5230	751	-	-	-	-	14.11	14.35
CA_13A-66A-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.11	14.35
CA_13A-46C-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.00	14.35
CA_14A-30A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.11	14.35
CA_46A-46C-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.14	14.35
CA_46C-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.07	14.35
CA_5A-66B-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	15	66554	2121.8	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.14	14.35
CA_5A-66C-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66578	2124.2	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.09	14.35
CA_13A-66B-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	15	66554	2121.8	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.12	14.35
CA_13A-66C-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66578	2124.2	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.08	14.35
CA_2A-2A-66A-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B2	20	900	1960	LTE B2	20	700	1940	14.28	14.35
CA_2A-2A-66A-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.21	14.35
CA_2A-2A-5A-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	15	66554	2121.8	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	14.26	14.35
CA_2A-2A-5A-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66578	2124.2	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	14.30	14.35
CA_2A-5B-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	14.26	14.35
CA_2A-5B-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66578	2124.2	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	14.23	14.35
CA_2A-46D-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.27	14.35
CA_2A-5B-30A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	14.28	14.35
CA_5B-30A-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	14.25	14.35
CA_13A-46D-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.21	14.35
CA_46A-46D-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.23	14.35
CA_46E-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B46	20	50269	5497.9	14.20	14.35
CA_46D-66A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66786	2145	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	14.23	14.35
CA_2A-2A-66B-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	15	66554	2121.8	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.27	14.35
CA_2A-2A-66C-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	LTE B66	20	66578	2124.2	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.26	14.35

Table 21
Output Powers – Ant 4A

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.99	14.99
CA_7A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	14.99	14.99
CA_12A-66A (1)	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.92	14.99
CA_12A-66A (2)	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.92	14.99
CA_2C-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.84	14.99
CA_2A-46A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.77	14.99
CA_2A-66A-71A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.77	14.99
CA_13A-46A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.80	14.99
CA_29A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.85	14.99
CA_46A-46A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.83	14.99
CA_46A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.78	14.99
CA_66D	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67130	2179.4	-	-	-	-	-	-	-	-	14.81	14.99
CA_66A-66A-71A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.78	14.99
CA_66C-71A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.78	14.99
CA_2A-2A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.95	14.99
CA_2A-2A-5A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	15.00	14.99
CA_2A-5A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.88	14.99
CA_2A-2A-12A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.76	14.99
CA_2A-12A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.74	14.99
CA_2A-12A-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.88	14.99
CA_2A-2A-13A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B13	10	5230	751	-	-	-	-	14.80	14.99
CA_2A-13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.73	14.99
CA_2A-13A-66B	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	LTE B66	5	66693	2135.7	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.88	14.99
CA_2A-13A-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.74	14.99
CA_2A-2A-14A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	-	-	-	-	14.76	14.99
CA_2A-14A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B14	10	5330	763	-	-	-	-	14.74	14.99
CA_2A-2A-30A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	-	-	-	-	14.76	14.99
CA_2A-46C-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.79	14.99
CA_2A-5A-30A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.77	14.99
CA_2A-12A-30A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.93	14.99
CA_2A-14A-30A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.79	14.99
CA_2A-29A-30A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.75	14.99
CA_5A-66D	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2159.6	LTE B5	10	2525	881.5	-	-	-	-	14.96	14.99
CA_5A-66A-66B	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B5	10	2525	881.5	-	-	-	-	14.86	14.99
CA_5A-66A-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.77	14.99
CA_5A-30A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.74	14.99
CA_12A-30A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.78	14.99
CA_13A-66A-66B	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B13	10	5230	751	-	-	-	-	14.83	14.99
CA_13A-66A-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.77	14.99
CA_13A-46C-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.76	14.99
CA_14A-30A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.81	14.99
CA_46A-46C-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.78	14.99
CA_46C-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.73	14.99
CA_5A-66B-66A	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	LTE B66	5	66693	2135.7	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.79	14.99
CA_5A-66C-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.74	14.99
CA_13A-66B-66A	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	LTE B66	5	66693	2135.7	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.82	14.99
CA_13A-66C-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.69	14.99
CA_2A-2A-66A-66B	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B2	20	900	1960	LTE B2	20	700	1940	14.85	14.99
CA_2A-2A-66A-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.79	14.99
CA_2A-2A-5A-66B	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	LTE B66	5	66693	2135.7	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	14.79	14.99
CA_2A-2A-5A-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	14.81	14.99
CA_2A-5B-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	14.77	14.99
CA_2A-5B-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	14.80	14.99
CA_2A-46D-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.84	14.99
CA_2A-5B-30A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	14.78	14.99
CA_5B-30A-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	14.76	14.99
CA_13A-46D-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.84	14.99
CA_46A-46D-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B46	20	53450	5816	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.89	14.99
CA_46E-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B46	20	50269	5497.9	14.81	14.99
CA_46D-66A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66786	2145	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	14.84	14.99
CA_2A-2A-66B-66A	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	LTE B66	5	66693	2135.7	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.78	14.99
CA_2A-2A-66C-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.82	14.99

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Table 22
Output Powers – Ant 4B

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.00
CA_7A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA_12A-66A (1)	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA_12A-66A (2)	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA_2C-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.85	15.00
CA_2A-46A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.80	15.00
CA_2A-66A-71A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.83	15.00
CA_13A-46A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.89	15.00
CA_29A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.91	15.00
CA_46A-46A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.81	15.00
CA_46A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.79	15.00
CA_66D	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66682	2134.6	LTE B66	20	67078	2174.2	-	-	-	-	-	-	-	-	14.81	15.00
CA_66A-66A-71A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.78	15.00
CA_66C-71A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66682	2134.6	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.81	15.00
CA_2A-2A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.88	15.00
CA_2A-2A-5A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.86	15.00
CA_2A-5A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.84	15.00
CA_2A-2A-12A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.93	15.00
CA_2A-12A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.92	15.00
CA_2A-12A-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66682	2134.6	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.89	15.00
CA_2A-2A-13A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B13	10	5230	751	-	-	-	-	14.83	15.00
CA_2A-13A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.85	15.00
CA_2A-13A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.82	15.00
CA_2A-13A-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66682	2134.6	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.84	15.00
CA_2A-2A-14A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	-	-	-	-	14.79	15.00
CA_2A-14A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B14	10	5330	763	-	-	-	-	14.88	15.00
CA_2A-2A-30A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	-	-	-	-	14.90	15.00
CA_2A-46C-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.82	15.00
CA_2A-5A-30A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.84	15.00
CA_2A-12A-30A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.88	15.00
CA_2A-14A-30A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.83	15.00
CA_2A-29A-30A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.90	15.00
CA_5A-66D	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66682	2134.6	LTE B66	20	66853	2151.7	LTE B5	10	2525	881.5	-	-	-	-	14.74	15.00
CA_5A-66A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B5	10	2525	881.5	-	-	-	-	14.76	15.00
CA_5A-66A-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.83	15.00
CA_5A-30A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.77	15.00
CA_12A-30A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.79	15.00
CA_13A-66A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B13	10	5230	751	-	-	-	-	14.83	15.00
CA_13A-66A-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.77	15.00
CA_13A-46C-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.85	15.00
CA_14A-30A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.76	15.00
CA_46A-46C-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.75	15.00
CA_46C-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.83	15.00
CA_5A-66B-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.77	15.00
CA_5A-66C-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66682	2134.6	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.78	15.00
CA_13A-66B-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.76	15.00
CA_13A-66C-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66682	2134.6	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.75	15.00
CA_2A-2A-66A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B2	20	900	1960	LTE B2	20	700	1940	14.97	15.00
CA_2A-2A-66A-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.94	15.00
CA_2A-2A-5A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	14.93	15.00
CA_2A-2A-5A-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66682	2134.6	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	14.84	15.00
CA_2A-5B-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	14.99	15.00
CA_2A-5B-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66682	2134.6	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	15.00	15.00
CA_2A-46D-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.94	15.00
CA_2A-5B-30A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	14.95	15.00
CA_5B-30A-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	14.96	15.00
CA_13A-46D-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.94	15.00
CA_46A-46D-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B46	20	53450	5816	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.92	15.00
CA_46E-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B46	20	50269	5497.9	14.98	15.00
CA_46D-66A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66786	2145	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	14.93	15.00
CA_2A-2A-66B-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.96	15.00
CA_2A-2A-66C-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	20	66682	2134.6	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	15.00	15.00

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1.3.10 LTE Band 2 as PCC

Table 23
Output Powers – Ant 2A

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A	LTE B2	3	18615	1851.5	64QAM	1	7	615	1931.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA_2A-12A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	15.39	15.39
CA_2A-17A	LTE B2	10	18650	1855	16QAM	1	0	650	1935	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	15.37	15.37
CA_2A-29A	LTE B2	10	18650	1855	16QAM	1	0	650	1935	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	15.37	15.37
CA_2A-66A	LTE B2	3	18615	1851.5	64QAM	1	7	615	1931.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	15.40	15.40
CA_2C-5A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	898	1959.8	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	15.22	15.39
CA_2C-12A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	898	1959.8	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	15.21	15.39
CA_2C-29A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	898	1959.8	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	15.19	15.39
CA_2C-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	898	1959.8	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	15.23	15.39
CA_2A-2A-46A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	15.19	15.39
CA_2A-46A-46A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	15.18	15.39
CA_2C-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	898	1959.8	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.18	15.39
CA_2A-2A-71A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	15.23	15.39
CA_2A-4A-13A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	15.22	15.39
CA_2A-4A-71A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	15.22	15.39
CA_2A-13A-46A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	15.20	15.39
CA_2A-46A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.21	15.39
CA_2A-66A-71A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B66	20	66786	2145	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	15.22	15.39
CA_2A-2A-4A-4A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	15.31	15.39
CA_2A-2A-12B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	15.34	15.39
CA_2A-2A-46C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	15.30	15.39
CA_2A-46A-46C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	15.32	15.39
CA_2A-2A-66A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.33	15.39
CA_2A-2A-4A-5A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	15.29	15.39
CA_2A-4A-4A-5A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	15.32	15.39
CA_2A-4A-5B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	15.31	15.39
CA_2A-2A-4A-12A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	15.28	15.39
CA_2A-4A-4A-12A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	15.30	15.39
CA_2A-4A-12B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	15.31	15.39
CA_2A-2A-5A-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	15.28	15.39
CA_2A-2A-5A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	15.28	15.39
CA_2A-5A-66A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.33	15.39
CA_2A-2A-12A-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	15.34	15.39
CA_2A-2A-12A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	15.32	15.39
CA_2A-12A-66A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.30	15.39
CA_2A-12A-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	15.34	15.39
CA_2A-13A-46C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	15.31	15.39
CA_2A-2A-13A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B13	10	5230	751	LTE B66	20	66786	2145	-	-	-	-	15.33	15.39
CA_2A-13A-66A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.32	15.39
CA_2A-13A-66B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	15.30	15.39
CA_2A-13A-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	15.32	15.39
CA_2A-2A-14A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	15.31	15.39
CA_2A-14A-66A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.29	15.39
CA_2A-2A-29A-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	15.30	15.39
CA_2A-2A-30A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.32	15.39
CA_2A-46C-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	15.33	15.39
CA_2A-4A-5A-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	15.33	15.39
CA_2A-4A-12A-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	15.31	15.39
CA_2A-4A-29A-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	15.34	15.39
CA_2A-5A-30A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.35	15.39
CA_2A-12A-30A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.32	15.39
CA_2A-14A-30A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B14	10	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.34	15.39
CA_2A-29A-30A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.35	15.39
CA_2A-2A-46D	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	15.15	15.39
CA_2A-46A-46D	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	15.20	15.39
CA_2A-46E	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B46	20	50269	5497.9	15.24	15.39
CA_2A-2A-66A-66B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	15.29	15.39
CA_2A-2A-66A-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	15.23	15.39
CA_2A-2A-5A-66B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	15.23	15.39
CA_2A-2A-5A-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	15.19	15.39
CA_2A-5B-66A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	15.22	15.39
CA_2A-5B-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	15.20	15.39
CA_2A-13A-46D	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	15.23	15.39
CA_2A-46D-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B66	20	66786	2145	15.25	15.39
CA_2A-5B-30A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	15.24	15.39

Table 24
Output Powers – Ant 2B

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	15.27	15.30
CA_2A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	15.30	15.30
CA_2A-17A	LTE B2	10	18650	1855	16QAM	1	0	650	1935	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	15.29	15.30
CA_2A-29A	LTE B2	10	18650	1855	16QAM	1	0	650	1935	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	15.24	15.30
CA_2A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	15.29	15.30
CA_2C-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	898	1959.8	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	15.30	15.30
CA_2C-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	898	1959.8	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	15.29	15.30
CA_2C-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	898	1959.8	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	15.30	15.30
CA_2C-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	898	1959.8	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	15.28	15.30
CA_2A-2A-46A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	15.30	15.30
CA_2A-46A-46A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	15.30	15.30
CA_2C-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	898	1959.8	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.29	15.30
CA_2A-2A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	15.30	15.30
CA_2A-4A-13A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	15.30	15.30
CA_2A-4A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	15.28	15.30
CA_2A-13A-46A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	15.30	15.30
CA_2A-46A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.29	15.30
CA_2A-66A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B66	20	66786	2145	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	15.30	15.30
CA_2A-2A-4A-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	15.25	15.30
CA_2A-2A-12B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	15.26	15.30
CA_2A-2A-46C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	15.23	15.30
CA_2A-46A-46C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	15.24	15.30
CA_2A-2A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.23	15.30
CA_2A-2A-4A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	15.21	15.30
CA_2A-4A-4A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	15.24	15.30
CA_2A-4A-5B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	15.21	15.30
CA_2A-2A-4A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	15.26	15.30
CA_2A-4A-4A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	15.24	15.30
CA_2A-4A-12B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	15.24	15.30
CA_2A-2A-5A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	15.20	15.30
CA_2A-2A-5A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	15.22	15.30
CA_2A-5A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.22	15.30
CA_2A-2A-12A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	15.23	15.30
CA_2A-2A-12A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	15.27	15.30
CA_2A-12A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.22	15.30
CA_2A-12A-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	15.22	15.30
CA_2A-13A-46C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	15.24	15.30
CA_2A-2A-13A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B13	10	5230	751	LTE B66	20	66786	2145	-	-	-	-	15.27	15.30
CA_2A-13A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.22	15.30
CA_2A-13A-66B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B13	10	5230	751	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	15.21	15.30
CA_2A-13A-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	15.23	15.30
CA_2A-2A-14A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	15.28	15.30
CA_2A-14A-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.24	15.30
CA_2A-2A-29A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	15.21	15.30
CA_2A-2A-30A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.27	15.30
CA_2A-46C-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	15.23	15.30
CA_2A-4A-5A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	15.21	15.30
CA_2A-4A-12A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	15.23	15.30
CA_2A-4A-29A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	15.24	15.30
CA_2A-5A-30A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.21	15.30
CA_2A-12A-30A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.22	15.30
CA_2A-14A-30A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B14	10	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.24	15.30
CA_2A-29A-30A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.26	15.30
CA_2A-2A-46D	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	15.27	15.30
CA_2A-46A-46D	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	15.23	15.30
CA_2A-46E	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B46	20	50269	5497.9	15.26	15.30
CA_2A-2A-66A-66B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	15.24	15.30
CA_2A-2A-66A-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	15.23	15.30
CA_2A-2A-5A-66B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	15.27	15.30
CA_2A-2A-5A-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	15.26	15.30
CA_2A-5B-66A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	15.28	15.30
CA_2A-5B-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	15.26	15.30
CA_2A-13A-46D	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	15.23	15.30
CA_2A-46D-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B66	20	66786	2145	15.26	15.30
CA_2A-5B-30A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	15.22	15.30

Table 25
Output Powers – Ant 4A

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	14.95	15.08
CA_2A-12A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.08
CA_2A-17A	LTE B2	5	19175	1907.5	16QAM	1	0	1175	1987.5	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	14.96	15.00
CA_2A-29A	LTE B2	5	19175	1907.5	16QAM	1	0	1175	1987.5	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.93	15.00
CA_2A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	15.06	15.08
CA_2C-5A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.88	15.08
CA_2C-12A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.90	15.08
CA_2C-29A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.89	15.08
CA_2C-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	14.91	15.08
CA_2A-2A-46A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.93	15.08
CA_2A-46A-46A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.97	15.08
CA_2C-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	14.90	15.08
CA_2A-2A-71A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.92	15.08
CA_2A-4A-13A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.99	15.08
CA_2A-4A-71A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.92	15.08
CA_2A-13A-46A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.90	15.08
CA_2A-46A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	14.95	15.08
CA_2A-66A-71A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B66	20	66786	2145	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.96	15.08
CA_2A-2A-4A-4A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	14.88	15.08
CA_2A-2A-12B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.86	15.08
CA_2A-2A-46C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	15.00	15.08
CA_2A-46A-46C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.96	15.08
CA_2A-2A-66A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.89	15.08
CA_2A-2A-4A-5A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	14.86	15.08
CA_2A-4A-4A-5A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	14.90	15.08
CA_2A-4A-5B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.88	15.08
CA_2A-2A-4A-12A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	14.86	15.08
CA_2A-4A-4A-12A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	14.88	15.08
CA_2A-4A-12B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.85	15.08
CA_2A-2A-5A-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.84	15.08
CA_2A-2A-5A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	14.86	15.08
CA_2A-5A-66A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.90	15.08
CA_2A-2A-12A-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.92	15.08
CA_2A-2A-12A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	14.90	15.08
CA_2A-12A-66A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.86	15.08
CA_2A-12A-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	14.84	15.08
CA_2A-13A-46C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.87	15.08
CA_2A-2A-13A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	-	-	-	-	14.83	15.08
CA_2A-13A-66A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.92	15.08
CA_2A-13A-66B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B13	10	5230	751	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	14.90	15.08
CA_2A-13A-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	14.96	15.08
CA_2A-2A-14A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	14.93	15.08
CA_2A-14A-66A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.92	15.08
CA_2A-2A-29A-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.90	15.08
CA_2A-2A-30A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.91	15.08
CA_2A-46C-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	14.86	15.08
CA_2A-4A-5A-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.97	15.08
CA_2A-4A-12A-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.93	15.08
CA_2A-4A-29A-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.91	15.08
CA_2A-5A-30A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.86	15.08
CA_2A-12A-30A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.86	15.08
CA_2A-14A-30A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B14	10	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.84	15.08
CA_2A-29A-30A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.83	15.08
CA_2A-2A-46D	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.85	15.08
CA_2A-46A-46D	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	14.86	15.08
CA_2A-46E	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B46	20	50269	5497.9	14.83	15.08
CA_2A-2A-66A-66B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	14.89	15.08
CA_2A-2A-66A-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	14.85	15.08
CA_2A-2A-5A-66B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	14.83	15.08
CA_2A-2A-5A-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	14.84	15.08
CA_2A-5B-66A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	14.85	15.08
CA_2A-5B-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	14.88	15.08
CA_2A-13A-46D	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.91	15.08
CA_2A-46D-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B66	20	66786	2145	14.88	15.08
CA_2A-5B-30A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	14.86	15.08

Table 26
Output Powers – Ant 4B

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2A-4A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	14.43	14.50
CA_2A-12A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.47	14.50
CA_2A-17A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	14.49	14.50
CA_2A-29A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.49	14.50
CA_2A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	14.47	14.50
CA_2C-5A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	781	1948.1	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.32	14.50
CA_2C-12A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	781	1948.1	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.33	14.50
CA_2C-29A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	781	1948.1	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.30	14.50
CA_2C-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	781	1948.1	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	14.31	14.50
CA_2A-2A-46A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.25	14.50
CA_2A-46A-46A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.28	14.50
CA_2C-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	781	1948.1	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	14.30	14.50
CA_2A-2A-71A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.30	14.50
CA_2A-4A-13A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.33	14.50
CA_2A-4A-71A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B4	20	2175	2132.5	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.29	14.50
CA_2A-13A-46A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.37	14.50
CA_2A-46A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	14.39	14.50
CA_2A-66A-71A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B66	20	66786	2145	LTE B71	20	68761	634.5	-	-	-	-	-	-	-	-	14.26	14.50
CA_2A-2A-4A-4A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	14.28	14.50
CA_2A-2A-12B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.28	14.50
CA_2A-2A-46C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.29	14.50
CA_2A-46A-46C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.30	14.50
CA_2A-2A-66A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.32	14.50
CA_2A-2A-4A-5A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	14.28	14.50
CA_2A-4A-4A-5A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	14.32	14.50
CA_2A-4A-5B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.25	14.50
CA_2A-2A-4A-12A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	14.28	14.50
CA_2A-4A-4A-12A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	14.25	14.50
CA_2A-4A-12B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B4	20	2175	2132.5	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.28	14.50
CA_2A-2A-5A-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.25	14.50
CA_2A-2A-5A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	14.31	14.50
CA_2A-5A-66A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.26	14.50
CA_2A-2A-12A-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.32	14.50
CA_2A-2A-12A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	14.30	14.50
CA_2A-12A-66A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.26	14.50
CA_2A-12A-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	14.31	14.50
CA_2A-13A-46C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.26	14.50
CA_2A-2A-13A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	-	-	-	-	14.30	14.50
CA_2A-13A-66A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.29	14.50
CA_2A-13A-66B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B13	10	5230	751	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	14.28	14.50
CA_2A-13A-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	14.25	14.50
CA_2A-2A-14A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	14.25	14.50
CA_2A-14A-66A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.26	14.50
CA_2A-2A-29A-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.28	14.50
CA_2A-2A-30A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.31	14.50
CA_2A-46C-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	14.29	14.50
CA_2A-4A-5A-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.25	14.50
CA_2A-4A-12A-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.26	14.50
CA_2A-4A-29A-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.25	14.50
CA_2A-5A-30A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.31	14.50
CA_2A-12A-30A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.26	14.50
CA_2A-14A-30A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B14	10	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.27	14.50
CA_2A-29A-30A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.25	14.50
CA_2A-2A-46D	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.42	14.50
CA_2A-46A-46D	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	53144	5785.4	LTE B46	20	53342	5805.2	LTE B46	20	53540	5825	14.46	14.50
CA_2A-46E	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B46	20	50269	5497.9	14.44	14.50
CA_2A-2A-66A-66B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	14.42	14.50
CA_2A-2A-66A-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	14.43	14.50
CA_2A-2A-5A-66B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	14.42	14.50
CA_2A-2A-5A-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	14.40	14.50
CA_2A-5B-66A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	14.39	14.50
CA_2A-5B-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	14.44	14.50
CA_2A-13A-46D	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.37	14.50
CA_2A-46D-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	LTE B66	20	66786	2145	14.42	14.50
CA_2A-5B-30A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	14.38	14.50

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1.3.11 LTE Band 25 as PCC

Table 27
Output Powers – Ant 2A

	PCC									SCC 1				SCC 2				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-25A	LTE B25	20	26140	1860	64QAM	1	0	8140	1940	LTE B5	10	2525	881.5	-	-	-	-	15.39	15.39
CA_25A-26A	LTE B25	3	26055	1851.5	64QAM	1	7	8055	1931.5	LTE B26	10	8865	876.5	-	-	-	-	15.40	15.40
CA_25A-25A-26A	LTE B25	20	26140	1860	64QAM	1	0	8140	1940	LTE B25	20	8590	1985	LTE B26	5	8865	876.5	15.23	15.39

Table 28
Output Powers – Ant 2B

	PCC									SCC 1				SCC 2				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-25A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	LTE B5	10	2525	881.5	-	-	-	-	15.30	15.30
CA_25A-26A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	LTE B26	10	8865	876.5	-	-	-	-	15.29	15.30
CA_25A-25A-26A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	LTE B25	20	8590	1985	LTE B26	5	8865	876.5	15.25	15.30

Table 29
Output Powers – Ant 4A

	PCC									SCC 1				SCC 2				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-25A	LTE B25	15	26365	1882.5	16QAM	1	0	8365	1962.5	LTE B5	10	2525	881.5	-	-	-	-	15.04	15.08
CA_25A-26A	LTE B25	15	26365	1882.5	16QAM	1	0	8365	1962.5	LTE B26	10	8865	876.5	-	-	-	-	15.03	15.08
CA_25A-25A-26A	LTE B25	15	26365	1882.5	16QAM	1	0	8365	1962.5	LTE B25	20	8140	1940	LTE B26	5	8865	876.5	14.87	15.08

Table 30
Output Powers – Ant 4B

	PCC									SCC 1				SCC 2				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-25A	LTE B25	10	26365	1882.5	16QAM	1	49	8365	1962.5	LTE B5	10	2525	881.5	-	-	-	-	14.42	14.50
CA_25A-26A	LTE B25	10	26365	1882.5	16QAM	1	49	8365	1962.5	LTE B26	10	8865	876.5	-	-	-	-	14.48	14.50
CA_25A-25A-26A	LTE B25	10	26365	1882.5	16QAM	1	49	8365	1962.5	LTE B25	20	8140	1940	LTE B26	5	8865	876.5	14.28	14.50

1.3.12 LTE Band 30 as PCC

Table 31
Output Powers – Ant 2A

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2C-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	13.28	13.28
CA_2A-2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	13.24	13.28
CA_2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	13.26	13.28
CA_2A-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	-	-	-	-	13.28	13.28
CA_2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	13.28	13.28
CA_2A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	13.26	13.28
CA_2A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	13.23	13.28
CA_2A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	-	-	-	-	13.28	13.28
CA_2A-5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	13.27	13.28
CA_2A-12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	13.26	13.28
CA_2A-14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	13.28	13.28
CA_2A-29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	-	-	-	13.28	13.28
CA_4A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	13.21	13.28
CA_4A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	13.27	13.28
CA_5A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.27	13.28
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.27	13.28
CA_14A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.28	13.28
CA_2A-5B-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	13.27	13.28
CA_5B-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	13.28	13.28

Table 32
Output Powers – Ant 2B

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2C-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.20	14.20
CA_2A-2A-5A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.03	14.20
CA_2A-2A-12A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.04	14.20
CA_2A-2A-29A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	-	-	-	-	14.10	14.20
CA_2A-2A-30A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	14.13	14.20
CA_2A-4A-5A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	14.05	14.20
CA_2A-4A-12A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	14.10	14.20
CA_2A-4A-29A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	-	-	-	-	14.09	14.20
CA_2A-5A-30A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	14.10	14.20
CA_2A-12A-30A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	14.14	14.20
CA_2A-14A-30A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	14.06	14.20
CA_2A-29A-30A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	-	-	-	14.07	14.20
CA_4A-4A-5A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	14.00	14.20
CA_4A-4A-12A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	14.02	14.20
CA_5A-30A-66A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.04	14.20
CA_12A-30A-66A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.04	14.20
CA_14A-30A-66A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.11	14.20
CA_2A-5B-30A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	14.05	14.20
CA_5B-30A-66A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	14.02	14.20

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Table 33
Output Powers – Ant 4A

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2C-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.10	14.10
CA_2A-2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.09	14.10
CA_2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.08	14.10
CA_2A-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	-	-	-	-	14.08	14.10
CA_2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	14.05	14.10
CA_2A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	14.06	14.10
CA_2A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	14.09	14.10
CA_2A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	-	-	-	-	14.07	14.10
CA_2A-5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	14.03	14.10
CA_2A-12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	14.08	14.10
CA_2A-14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	14.05	14.10
CA_2A-29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	-	-	-	14.09	14.10
CA_4A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	14.05	14.10
CA_4A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	14.06	14.10
CA_5A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.01	14.10
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.09	14.10
CA_14A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.07	14.10
CA_2A-5B-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	14.10	14.10
CA_5B-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	14.10	14.10

Table 34
Output Powers – Ant 4B

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_2C-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	13.50	13.50
CA_2A-2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	13.50	13.50
CA_2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	13.50	13.50
CA_2A-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	-	-	-	-	13.48	13.50
CA_2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	13.49	13.50
CA_2A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	13.47	13.50
CA_2A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	13.49	13.50
CA_2A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	-	-	-	-	13.50	13.50
CA_2A-5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	13.46	13.50
CA_2A-12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	13.50	13.50
CA_2A-14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	13.45	13.50
CA_2A-29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	-	-	-	13.46	13.50
CA_4A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	13.46	13.50
CA_4A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	13.44	13.50
CA_5A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.45	13.50
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.45	13.50
CA_14A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.49	13.50
CA_2A-5B-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	13.49	13.50
CA_5B-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	13.47	13.50

1.3.13 LTE Band 7 as PCC

Table 35
Output Powers – Ant 2A

	PCC									SCC 1				SCC 2				SCC 3				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.07	14.10
CA_7B	LTE B7	15	21100	2535	64QAM	1	36	3100	2655	LTE B7	5	3007	2645.7	-	-	-	-	-	-	-	-	14.07	14.10
CA_7C (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B7	20	3048	2649.8	-	-	-	-	-	-	-	-	14.08	14.10
CA_7A-46A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.10	14.10
CA_7A-66A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	14.10	14.10
CA_4A-4A-7A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	14.08	14.10
CA_4A-7A-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B7	20	3350	2680	LTE B4	20	2175	2132.5	-	-	-	-	14.07	14.10
CA_4A-7A-12A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	14.07	14.10
CA_7A-46C (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.10	14.10
CA_7A-46D (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.08	14.10

Table 36
Output Powers – Ant 2B

	PCC									SCC 1				SCC 2				SCC 3				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-7A	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	12.98	13.00
CA_7B	LTE B7	15	20825	2507.5	QPSK	1	36	2825	2627.5	LTE B7	5	2918	2636.8	-	-	-	-	-	-	-	-	13.00	13.00
CA_7C (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	LTE B7	20	3048	2649.8	-	-	-	-	-	-	-	-	12.97	13.00
CA_7A-46A (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	13.00	13.00
CA_7A-66A	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	12.98	13.00
CA_4A-4A-7A (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	12.78	13.00
CA_4A-7A-7A	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	LTE B7	20	3350	2680	LTE B4	20	2175	2132.5	-	-	-	-	12.73	13.00
CA_4A-7A-12A (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	12.94	13.00
CA_7A-46C (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	12.79	13.00
CA_7A-46D (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	12.83	13.00

Table 37
Output Powers – Ant 4A

	PCC									SCC 1				SCC 2				SCC 3				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-7A	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.30	14.30
CA_7B	LTE B7	15	20825	2507.5	64QAM	1	0	2825	2627.5	LTE B7	5	2918	2636.8	-	-	-	-	-	-	-	-	14.27	14.28
CA_7C (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	LTE B7	20	2944	2639.4	-	-	-	-	-	-	-	-	14.05	14.30
CA_7A-46A (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.01	14.30
CA_7A-66A	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	13.99	14.30
CA_4A-4A-7A (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	14.07	14.30
CA_4A-7A-7A	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	LTE B7	20	3350	2680	LTE B4	20	2175	2132.5	-	-	-	-	14.12	14.30
CA_4A-7A-12A (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	14.11	14.30
CA_7A-46C (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.28	14.30
CA_7A-46D (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	14.28	14.30

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Table 38
Output Powers – Ant 4B

	PCC										SCC 1				SCC 2				SCC 3				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-7A	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	12.23	12.30
CA_7B	LTE B7	15	21100	2535	QPSK	1	0	3100	2655	LTE B7	5	3007	2645.7	-	-	-	-	-	-	-	-	12.29	12.30
CA_7C (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	LTE B7	20	3048	2649.8	-	-	-	-	-	-	-	-	12.30	12.30
CA_7A-46A (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	12.27	12.30
CA_7A-66A	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	12.28	12.30
CA_4A-4A-7A (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	12.08	12.30
CA_4A-7A-7A	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	LTE B7	20	3350	2680	LTE B4	20	2175	2132.5	-	-	-	-	12.07	12.30
CA_4A-7A-12A (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	12.10	12.30
CA_7A-46C (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	12.05	12.30
CA_7A-46D (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	12.30	12.30

1.3.14 LTE Band 41 as PCC

Table 39
Output Powers – Ant 2A

	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41A-41A (1)	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	39750	2506	-	-	-	-	-	-	-	-	-	-	-	-	17.48	17.50
CA_41A-41C	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	17.47	17.50
CA_41C-41A	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	17.50	17.50
CA_41A-41D	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	17.50	17.50
CA_41C-41C	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	17.50	17.50
CA_41E	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41016	2632.6	-	-	-	-	17.49	17.50
CA_41D-41A	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	17.49	17.50
CA_41C-41D	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	17.45	17.50
CA_41D-41C	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	17.50	17.50

Table 40
Output Powers – Ant 2B

	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41A-41A (1)	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	15.57	15.58
CA_41A-41C	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	15.58	15.58
CA_41C-41A	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	15.58	15.58
CA_41A-41D	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	15.51	15.58
CA_41C-41C	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	15.48	15.58
CA_41E	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	LTE B41	20	40344	2565.4	-	-	-	-	15.58	15.58
CA_41D-41A	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	LTE B41	20	41490	2680	-	-	-	-	15.50	15.58
CA_41C-41D	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	15.58	15.58
CA_41D-41C	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	15.58	15.58

Table 41
Output Powers – Ant 4A

	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41A-41A (1)	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	39750	2506	-	-	-	-	-	-	-	-	-	-	-	-	17.28	17.30
CA_41A-41C	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	17.29	17.30
CA_41C-41A	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	17.22	17.30
CA_41A-41D	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	17.13	17.30
CA_41C-41C	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	17.05	17.30
CA_41E	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41016	2632.6	-	-	-	-	17.08	17.30
CA_41D-41A	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	17.09	17.30
CA_41C-41D	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	17.29	17.30
CA_41D-41C	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	17.30	17.30

Table 42
Output Powers – Ant 4B

	PCC										SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41A-41A (1)	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	16.20	16.20
CA_41A-41C	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	16.20	16.20
CA_41C-41A	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	16.19	16.20
CA_41A-41D	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	16.20	16.20
CA_41C-41C	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	16.20	16.20
CA_41E	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	LTE B41	20	40344	2565.4	-	-	-	-	16.18	16.20
CA_41D-41A	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	LTE B41	20	41490	2680	-	-	-	-	16.19	16.20
CA_41C-41D	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	16.19	16.20
CA_41D-41C	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	LTE B41	20	39948	2525.8	LTE B41	20	40146	2545.6	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	16.20	16.20

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1.3.15 LTE Band 41 PC2 as PCC

Table 43
Output Powers – Ant 2A

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41A-41A (1)	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	17.40	17.50
CA_41A-41C	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	17.38	17.50
CA_41C-41A	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	17.39	17.50
CA_41A-41D	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	17.41	17.50
CA_41C-41C	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	17.42	17.50
CA_41E	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	40344	2565.4	-	-	-	-	17.41	17.50
CA_41D-41A	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	41490	2680	-	-	-	-	17.42	17.50
CA_41C-41D	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	17.38	17.50
CA_41D-41C	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	17.48	17.50

Table 44
Output Powers – Ant 2B

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41A-41A (1)	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	15.51	15.60
CA_41A-41C	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	15.53	15.60
CA_41C-41A	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	15.52	15.60
CA_41A-41D	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	15.47	15.60
CA_41C-41C	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	15.47	15.60
CA_41E	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	40344	2565.4	-	-	-	-	15.45	15.60
CA_41D-41A	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	41490	2680	-	-	-	-	15.46	15.60
CA_41C-41D	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	15.50	15.60
CA_41D-41C	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	15.49	15.60

Table 45
Output Powers – Ant 4A

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41A-41A (1)	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	17.23	17.30
CA_41A-41C	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	17.21	17.30
CA_41C-41A	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	17.22	17.30
CA_41A-41D	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	17.22	17.30
CA_41C-41C	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	17.18	17.30
CA_41E	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	40344	2565.4	-	-	-	-	17.16	17.30
CA_41D-41A	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	41490	2680	-	-	-	-	17.21	17.30
CA_41C-41D	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	17.24	17.30
CA_41D-41C	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	17.17	17.30

Table 46
Output Powers – Ant 4B

	PCC									SCC 1				SCC 2				SCC 3				SCC 4				Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	SCC Band	SCC BW [MHz]	SCC (DL) Channel	SCC (DL) Freq. [MHz]	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41A-41A (1)	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	16.20	16.20
CA_41A-41C	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	16.15	16.20
CA_41C-41A	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	16.17	16.20
CA_41A-41D	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	16.19	16.20
CA_41C-41C	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	16.20	16.20
CA_41E	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	40344	2565.4	-	-	-	-	16.19	16.20
CA_41D-41A	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	41490	2680	-	-	-	-	16.20	16.20
CA_41C-41D	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	16.04	16.20
CA_41D-41C	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	LTE B41 PC2	20	39948	2525.8	LTE B41 PC2	20	40146	2545.6	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	16.10	16.20

1.4 DL CA with DL 4x4 MIMO RF Conduction Powers

This device supports downlink 4x4 MIMO operations for some LTE bands. Uplink transmission is limited to a single output stream. When carrier aggregation was applicable, the general test selection and setup procedures described in Section 1.2 were applied.

Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum average output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

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1.4.1 LTE 4x4 MIMO DL Standalone Powers

Table 47
Output Powers – Ant 2A

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Target Power [dBm]
4	15	20025	1717.5	QPSK	75	0	15.00	15.00	15.00
66	20	132072	1720	64QAM	1	99	14.53	14.49	14.75
2	3	18615	1851.5	64QAM	1	7	14.78	15.40	15.40
25	3	26055	1851.5	64QAM	1	7	14.90	15.40	15.40
7	20	20850	2510	QPSK	1	0	14.10	14.10	14.10
30	10	27710	2310	QPSK	1	0	13.29	13.28	13.30
41	20	40620	2593	16QAM	1	99	17.50	17.50	17.50
41 PC2	20	39750	2506	16QAM	1	99	17.50	17.50	17.50

Table 48
Output Powers – Ant 2B

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Maximum Allowed Power [dBm]
4	3	20385	1753.5	64QAM	1	7	14.38	14.38	15.0
66	3	132657	1778.5	64QAM	1	7	14.38	14.38	15.0
2	20	18700	1860	QPSK	1	0	15.30	15.30	15.3
25	20	26140	1860	QPSK	1	0	15.30	15.30	15.3
7	20	20850	2510	64QAM	1	99	12.98	13.00	13.0
30	5	27710	2310	64QAM	1	24	14.20	14.20	14.2
41	20	39750	2506	QPSK	1	99	15.58	15.58	15.6
41 PC2	20	39750	2506	QPSK	1	99	15.60	15.60	15.6

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Table 49
Output Powers – Ant 4A

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Maximum Allowed Power [dBm]
4	20	20050	1720	16QAM	1	0	14.99	14.99	15.00
66	20	132072	1720	16QAM	1	0	15.00	14.99	15.00
2	15	18925	1882.5	16QAM	1	0	15.10	15.08	15.40
25	15	26365	1882.5	16QAM	1	0	15.08	15.08	15.40
7	10	20800	2505	QPSK	1	49	14.30	14.30	14.30
30	10	27710	2310	QPSK	1	0	14.10	14.10	14.10
41	20	40620	2593	16QAM	1	99	17.30	17.30	17.30
41 PC2	20	39750	2506	QPSK	1	0	17.30	17.30	17.30

Table 50
Output Powers – Ant 4B

LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Maximum Allowed Power [dBm]
4	15	20025	1717.5	64QAM	1	74	15.00	15.00	15.00
66	15	132047	1717.5	64QAM	1	74	15.00	15.00	15.00
2	10	18925	1882.5	16QAM	1	49	14.50	14.50	14.50
25	10	26365	1882.5	16QAM	1	49	14.50	14.50	14.50
7	20	20850	2510	16QAM	1	50	12.30	12.30	12.30
30	10	27710	2310	QPSK	1	0	13.50	13.50	13.50
41	20	39750	2506	QPSK	1	0	16.20	16.20	16.20
41 PC2	20	39750	2506	QPSK	1	0	16.20	16.20	16.20

1.4.1 LTE Band 71 as PCC

Table 51
Output Powers – Ant 1

	PCC											SCC 1					SCC 2					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-2A-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	22.73	22.73
CA_[2A]-4A-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	22.73	22.73
CA_2A-[4A]-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	22.70	22.73
CA_[2A]-66A-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	22.70	22.73
CA_2A-[66A]-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	22.67	22.73
CA_[4A]-4A-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	22.73	22.73
CA_[66A]-66A-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	22.73	22.73
CA_[66C]-71A	LTE B71	20	133297	680.5	QPSK	1	0	68761	634.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	22.73	22.73

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Table 52
Output Powers – Ant 3

	PCC										SCC 1					SCC 2					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-2A-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	22.27	22.60
CA_[2A]-4A-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	22.23	22.60
CA_2A-[4A]-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	22.27	22.60
CA_[2A]-66A-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	22.25	22.60
CA_2A-[66A]-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	22.32	22.60
CA_[4A]-4A-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	22.25	22.60
CA_[66A]-66A-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	22.24	22.60
CA_[66C]-71A	LTE B71	10	133297	680.5	16QAM	1	0	68761	634.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	22.28	22.60

1.4.2 LTE Band 12 as PCC

Table 53
Output Powers – Ant 1

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.70	19.70
CA_[4A]-12A (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.69	19.70
CA_[4A]-12A (2)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.69	19.70
CA_[7A]-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.70	19.70
CA_12A-[66A] (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.70	19.70
CA_12A-[66A] (2)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.70	19.70
CA_[2A]-2A-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	19.67	19.70
CA_[2C]-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	19.66	19.70
CA_[2A]-4A-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	19.67	19.70
CA_2A-[4A]-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	19.66	19.70
CA_2A-12A-[30A]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	19.66	19.70
CA_[2A]-12A-66A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	19.68	19.70
CA_2A-12A-[66A]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	19.70	19.70
CA_[4A]-4A-12A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	19.65	19.70
CA_4A-[7A]-12A (1)	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	19.70	19.70
CA_4A-12A-[30A]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	19.65	19.70
CA_12A-[66C]	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	19.66	19.70
CA_12A-[66A]-66A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	19.70	19.70
CA_12A-[30A]-66A	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	19.65	19.70
CA_[2A]-2A-12B	LTE B12	5	23035	701.5	64QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	19.66	19.70
CA_[2A]-4A-12B	LTE B12	5	23035	701.5	64QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	19.69	19.70
CA_2A-[4A]-12B	LTE B12	5	23035	701.5	64QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	19.64	19.70
CA_[2A]-12A-66C	LTE B12	10	23095	707.5	QPSK	1	0	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	19.66	19.70
CA_[4A]-4A-12B	LTE B12	5	23035	701.5	64QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	19.66	19.70

Table 54
Output Powers – Ant 3

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.66	21.70
CA_[4A]-12A (1)	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.62	21.70
CA_[4A]-12A (2)	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.62	21.70
CA_[7A]-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.63	21.70
CA_12A-[66A] (1)	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.62	21.70
CA_12A-[66A] (2)	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.62	21.70
CA_[2A]-2A-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	21.62	21.70
CA_[2C]-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	21.63	21.70
CA_[2A]-4A-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	21.64	21.70
CA_2A-[4A]-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	21.61	21.70
CA_2A-12A-[30A]	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	21.63	21.70
CA_[2A]-12A-66A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.64	21.70
CA_2A-12A-[66A]	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	21.61	21.70
CA_[4A]-4A-12A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	21.65	21.70
CA_4A-[7A]-12A (1)	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	21.62	21.70
CA_4A-12A-[30A]	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	21.63	21.70
CA_12A-[66C]	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	21.63	21.70
CA_12A-[66A]-66A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	21.64	21.70
CA_12A-[30A]-66A	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.64	21.70
CA_[2A]-2A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	21.65	21.70
CA_[2A]-4A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	21.63	21.70
CA_2A-[4A]-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	21.63	21.70
CA_[2A]-12A-66C	LTE B12	10	23095	707.5	QPSK	25	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	21.62	21.70
CA_[4A]-4A-12B	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B12	10	5107	738.7	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	21.66	21.70

1.4.3 LTE Band 17 as PCC

Table 55
Output Powers – Ant 1

	PCC										SCC 1					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-17A	LTE B17	10	23790	710	QPSK	1	0	5790	740	2x2 MIMO	LTE B2	10	900	1960	4x4 MIMO	19.65	19.70
CA_[4A]-17A	LTE B17	10	23790	710	QPSK	1	0	5790	740	2x2 MIMO	LTE B4	10	2175	2132.5	4x4 MIMO	19.67	19.70

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Table 56
Output Powers – Ant 3

	PCC										SCC 1					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-17A	LTE B17	10	23790	710	QPSK	25	25	5790	740	2x2 MIMO	LTE B2	10	900	1960	4x4 MIMO	21.67	21.70
CA_[4A]-17A	LTE B17	10	23790	710	QPSK	25	25	5790	740	2x2 MIMO	LTE B4	10	2175	2132.5	4x4 MIMO	21.62	21.70

1.4.4 LTE Band 13 as PCC

Table 57
Output Powers – Ant 1

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-2A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	23.55	23.60
CA_[2A]-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	23.54	23.60
CA_2A-[4A]-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	23.56	23.60
CA_[2A]-13A-46A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	23.53	23.60
CA_[2A]-13A-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	23.51	23.60
CA_2A-13A-[66A]	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	23.52	23.60
CA_[4A]-4A-13A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	23.53	23.60
CA_13A-[66A]-66A	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	23.53	23.60
CA_13A-[66B]	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	23.52	23.60
CA_13A-[66C]	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	23.51	23.60
CA_13A-46A-[66A]	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	23.53	23.60
CA_[2A]-13A-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	23.52	23.60
CA_[2A]-13A-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	23.53	23.60
CA_13A-[66A]-66B	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	23.53	23.60
CA_13A-[66A]-66C	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	23.52	23.60
CA_13A-46C-[66A]	LTE B13	10	23230	782	QPSK	1	0	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	23.57	23.60

Table 58
Output Powers – Ant 3

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-2A-13A	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	22.10	22.18
CA_[2A]-4A-13A	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	22.11	22.18
CA_2A-[4A]-13A	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	22.11	22.18
CA_[2A]-13A-46A	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	22.08	22.18
CA_[2A]-13A-66A	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	22.10	22.18
CA_2A-13A-[66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	22.10	22.18
CA_[4A]-4A-13A	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	22.09	22.18
CA_13A-[66A]-66A	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	22.10	22.18
CA_13A-[66B]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	22.10	22.18
CA_13A-[66C]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	22.11	22.18
CA_13A-46A-[66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	22.09	22.18
CA_[2A]-13A-66B	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	22.11	22.18
CA_[2A]-13A-66C	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	22.08	22.18
CA_13A-[66A]-66B	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	22.07	22.18
CA_13A-[66A]-66C	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	22.05	22.18
CA_13A-46C-[66A]	LTE B13	10	23230	782	QPSK	25	0	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	22.08	22.18

1.4.5 LTE Band 14 as PCC

Table 59
Output Powers – Ant 1

	PCC										SCC 1					SCC 2					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-2A-14A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	23.59	23.60
CA_2A-14A-[30A]	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	23.55	23.60
CA_[2A]-14A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	23.56	23.60
CA_2A-14A-[66A]	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	23.58	23.60
CA_14A-[66A]-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	23.58	23.60
CA_14A-[30A]-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	23.59	23.60

Table 60
Output Powers – Ant 3

	PCC										SCC 1					SCC 2					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-2A-14A	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	22.11	22.20
CA_2A-14A-[30A]	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	22.16	22.20
CA_[2A]-14A-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	22.18	22.20
CA_2A-14A-[66A]	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	22.14	22.20
CA_14A-[66A]-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	22.14	22.20
CA_14A-[30A]-66A	LTE B14	5	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	22.11	22.20

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1.4.6 LTE Band 5 as PCC

Table 61
Output Powers – Ant 1

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[7A]	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	20.79	20.80
CA_5A-[25A]	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	20.75	20.80
CA_5A-[41A]	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B41	20	40620	2593	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	20.80	20.80
CA_[2A]-2A-5A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	20.74	20.80
CA_[2C]-5A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	20.73	20.80
CA_[2A]-4A-5A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	20.76	20.80
CA_2A-[4A]-5A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	20.78	20.80
CA_2A-5A-[30A]	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	20.79	20.80
CA_[2A]-5A-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	20.71	20.80
CA_2A-5A-[66A]	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	20.75	20.80
CA_[4A]-4A-5A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	20.79	20.80
CA_4A-5A-[30A]	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	20.74	20.80
CA_5A-[66B]	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	20.54	20.80
CA_5A-[66C]	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	20.80	20.80
CA_5A-[66A]-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	20.72	20.80
CA_5A-[30A]-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	20.73	20.80
CA_[2A]-4A-5B	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	20.77	20.80
CA_2A-[4A]-5B	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	20.77	20.80
CA_2A-5B-[30A]	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	20.78	20.80
CA_[2A]-5A-66B	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	20.77	20.80
CA_[2A]-5A-66C	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	20.76	20.80
CA_[2A]-5B-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	20.76	20.80
CA_2A-5B-[66A]	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	20.77	20.80
CA_[4A]-4A-5B	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	20.78	20.80
CA_5B-[66A]-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	20.77	20.80
CA_5A-[66A]-66B	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	20.79	20.80
CA_5A-[66A]-66C	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	20.78	20.80
CA_5B-[30A]-66A	LTE B5	10	20525	836.5	QPSK	25	0	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	20.77	20.80

Table 62
Output Powers – Ant 3

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[7A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.07	21.40
CA_5A-[25A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.15	21.40
CA_5A-[41A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B41	20	40620	2593	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.27	21.40
CA_[2A]-2A-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	21.06	21.40
CA_[2C]-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	21.04	21.40
CA_[2A]-4A-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	21.12	21.40
CA_2A-[4A]-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	21.11	21.40
CA_2A-5A-[30A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	21.02	21.40
CA_[2A]-5A-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.08	21.40
CA_2A-5A-[66A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	21.09	21.40
CA_[4A]-4A-5A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	21.05	21.40
CA_4A-5A-[30A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	21.15	21.40
CA_5A-[66B]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	21.11	21.40
CA_5A-[66C]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	21.09	21.40
CA_5A-[66A]-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	21.09	21.40
CA_5A-[30A]-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.04	21.40
CA_[2A]-4A-5B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	21.11	21.40
CA_2A-[4A]-5B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	21.08	21.40
CA_2A-5B-[30A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	21.09	21.40
CA_[2A]-5A-66B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	21.11	21.40
CA_[2A]-5A-66C	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	21.09	21.40
CA_[2A]-5B-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	20.96	21.40
CA_2A-5B-[66A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	21.02	21.40
CA_[4A]-4A-5B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	21.10	21.40
CA_5B-[66A]-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	21.09	21.40
CA_5A-[66A]-66B	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	21.07	21.40
CA_5A-[66A]-66C	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	21.10	21.40
CA_5B-[30A]-66A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	21.14	21.40

1.4.7 LTE Band 26 as PCC

Table 63
Output Powers – Ant 1

	PCC										SCC 1					SCC 2					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[25A]-26A	LTE B26	10	26740	819	QPSK	1	0	8740	864	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	20.58	20.61
CA_[25A]-25A-26A	LTE B26	3	26705	815.5	16QAM	1	0	8705	860.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	20.55	20.60

Table 64
Output Powers – Ant 3

	PCC										SCC 1					SCC 2					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[25A]-26A	LTE B26	1.4	26697	814.7	64QAM	6	0	8697	859.7	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	21.33	21.40
CA_[25A]-25A-26A	LTE B26	3	26705	815.5	QPSK	1	7	8705	860.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	21.38	21.38

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1.4.8 **LTE Band 4 as PCC**

Table 65
Output Powers – Ant 2A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-4A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA_2A-[4A]	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA_[4A]-12A (1)	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA_[4A]-12A (2)	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA_[4A]-17A	LTE B4	10	20000	1715	QPSK	1	49	2000	2115	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA_[4A]-29A	LTE B4	10	20000	1715	QPSK	1	49	2000	2115	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA_[4A]-46A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA_[2A]-2A-4A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_2A-[4A]-4A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_2A-[4A]-4A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_[2A]-4A-5A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_2A-[4A]-5A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.97	15.00
CA_[2A]-4A-12A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_2A-[4A]-12A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_[2A]-4A-13A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_2A-[4A]-13A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_[2A]-4A-29A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_2A-[4A]-29A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_[2A]-4A-30A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_2A-[4A]-30A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_2A-4A-[30A]	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.00	15.00
CA_[2A]-4A-71A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_2A-[4A]-71A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_[4A]-4A-5A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_[4A]-4A-5A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_[4A]-4A-7A (1)	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_[4A]-4A-7A (1)	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_4A-[7A]-7A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_[4A]-4A-12A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_[4A]-4A-12A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_[4A]-4A-13A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_[4A]-4A-13A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_[4A]-4A-29A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_[4A]-4A-29A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_[4A]-4A-30A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.92	15.00
CA_[4A]-4A-30A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_[4A]-46C	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	14.92	15.00
CA_[4A]-4A-71A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_[4A]-4A-71A	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_4A-5A-[30A]	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.99	15.00
CA_4A-[7A]-12A (1)	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_4A-12A-[30A]	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.00	15.00
CA_4A-29A-[30A]	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.99	15.00
CA_[2A]-4A-5B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.94	15.00
CA_2A-[4A]-5B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.98	15.00
CA_[2A]-4A-12B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.98	15.00
CA_2A-[4A]-12B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.98	15.00
CA_[4A]-4A-5B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.97	15.00
CA_[4A]-4A-5B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.96	15.00
CA_[4A]-4A-12B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.93	15.00
CA_[4A]-4A-12B	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.94	15.00
CA_[4A]-46D	LTE B4	15	20025	1717.5	QPSK	75	0	2025	2117.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.95	15.00

Table 66
Output Powers – Ant 2B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-4A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.14	14.35
CA_2A-[4A]	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.14	14.35
CA_[4A]-12A (1)	LTE B4	3	20385	1753.5	64QAM	1	7	2385	2153.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.11	14.38
CA_[4A]-12A (2)	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.14	14.35
CA_[4A]-17A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.11	14.35
CA_[4A]-29A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.12	14.35
CA_[4A]-46A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.16	14.35
CA_[2A]-2A-4A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.16	14.35
CA_2A-[4A]-4A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.01	14.35
CA_2A-[4A]-4A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.13	14.35
CA_[2A]-4A-5A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.09	14.35
CA_2A-[4A]-5A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_[2A]-4A-12A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.06	14.35
CA_2A-[4A]-12A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_[2A]-4A-13A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.08	14.35
CA_2A-[4A]-13A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.01	14.35
CA_[2A]-4A-29A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.09	14.35
CA_2A-[4A]-29A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.01	14.35
CA_[2A]-4A-30A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.06	14.35
CA_2A-[4A]-30A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.02	14.35
CA_2A-4A-[30A]	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.08	14.35
CA_[2A]-4A-71A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.08	14.35
CA_2A-[4A]-71A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.03	14.35
CA_[4A]-4A-5A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_[4A]-4A-5A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.12	14.35
CA_[4A]-4A-7A (1)	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.17	14.35
CA_[4A]-4A-7A (1)	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.32	14.35
CA_4A-[7A]-7A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	14.26	14.35
CA_[4A]-4A-12A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.03	14.35
CA_[4A]-4A-12A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.10	14.35
CA_[4A]-4A-13A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.01	14.35
CA_[4A]-4A-13A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.09	14.35
CA_[4A]-4A-29A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_[4A]-4A-29A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.07	14.35
CA_[4A]-4A-30A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.02	14.35
CA_[4A]-4A-30A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.07	14.35
CA_[4A]-46C	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	14.02	14.35
CA_[4A]-4A-71A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_[4A]-4A-71A	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.16	14.35
CA_4A-5A-[30A]	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.08	14.35
CA_4A-[7A]-12A (1)	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.28	14.35
CA_4A-12A-[30A]	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.10	14.35
CA_4A-29A-[30A]	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.06	14.35
CA_[2A]-4A-5B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.14	14.35
CA_2A-[4A]-5B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.02	14.35
CA_[2A]-4A-12B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.13	14.35
CA_2A-[4A]-12B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.00	14.35
CA_[4A]-4A-5B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.02	14.35
CA_[4A]-4A-5B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.10	14.35
CA_[4A]-4A-12B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.02	14.35
CA_[4A]-4A-12B	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.15	14.35
CA_[4A]-46D	LTE B4	5	19975	1712.5	64QAM	1	24	1975	2112.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.02	14.35

Table 67
Output Powers – Ant 4A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-4A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.64	14.99
CA_2A-[4A]	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.73	14.99
CA_[4A]-12A (1)	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.69	14.99
CA_[4A]-12A (2)	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.69	14.99
CA_[4A]-17A	LTE B4	10	20000	1715	16QAM	1	49	2000	2115	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.70	14.99
CA_[4A]-29A	LTE B4	10	20000	1715	16QAM	1	49	2000	2115	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.72	14.99
CA_[4A]-46A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.68	14.99
CA_[2A]-2A-4A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_2A-[4A]-4A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.61	14.99
CA_2A-[4A]-4A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.61	14.99
CA_[2A]-4A-5A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.57	14.99
CA_2A-[4A]-5A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.58	14.99
CA_[2A]-4A-12A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.63	14.99
CA_2A-[4A]-12A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.61	14.99
CA_[2A]-4A-13A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.59	14.99
CA_2A-[4A]-13A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.59	14.99
CA_[2A]-4A-29A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.61	14.99
CA_2A-[4A]-29A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.60	14.99
CA_[2A]-4A-30A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.60	14.99
CA_2A-[4A]-30A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.65	14.99
CA_2A-4A-[30A]	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.60	14.99
CA_[2A]-4A-71A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.63	14.99
CA_2A-[4A]-71A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.60	14.99
CA_[4A]-4A-5A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.63	14.99
CA_[4A]-4A-5A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.61	14.99
CA_[4A]-4A-7A (1)	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.67	14.99
CA_[4A]-4A-7A (1)	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.68	14.99
CA_4A-[7A]-7A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	14.71	14.99
CA_[4A]-4A-12A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.62	14.99
CA_[4A]-4A-12A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.62	14.99
CA_[4A]-4A-13A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_[4A]-4A-13A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_[4A]-4A-29A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.61	14.99
CA_[4A]-4A-29A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.59	14.99
CA_[4A]-4A-30A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.56	14.99
CA_[4A]-4A-30A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.65	14.99
CA_[4A]-46C	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	14.62	14.99
CA_[4A]-4A-71A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.59	14.99
CA_[4A]-4A-71A	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.59	14.99
CA_4A-5A-[30A]	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.56	14.99
CA_4A-[7A]-12A (1)	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.55	14.99
CA_4A-12A-[30A]	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.60	14.99
CA_4A-29A-[30A]	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.58	14.99
CA_[2A]-4A-5B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.60	14.99
CA_2A-[4A]-5B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.55	14.99
CA_[2A]-4A-12B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.58	14.99
CA_2A-[4A]-12B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.58	14.99
CA_[4A]-4A-5B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.54	14.99
CA_[4A]-4A-5B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.55	14.99
CA_[4A]-4A-12B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.58	14.99
CA_[4A]-4A-12B	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.64	14.99
CA_[4A]-46D	LTE B4	20	20050	1720	16QAM	1	0	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.57	14.99

Table 68
Output Powers – Ant 4B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-4A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.68	15.00
CA_2A-[4A]	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.68	15.00
CA_[4A]-12A (1)	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.64	15.00
CA_[4A]-12A (2)	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.64	15.00
CA_[4A]-17A	LTE B4	10	20350	1750	16QAM	1	25	2350	2150	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.66	14.99
CA_[4A]-29A	LTE B4	10	20350	1750	16QAM	1	25	2350	2150	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.69	14.99
CA_[4A]-46A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.67	15.00
CA_[2A]-2A-4A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.71	15.00
CA_2A-[4A]-4A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_2A-[4A]-4A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.65	15.00
CA_[2A]-4A-5A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.60	15.00
CA_2A-[4A]-5A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.64	15.00
CA_[2A]-4A-12A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.51	15.00
CA_2A-[4A]-12A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.69	15.00
CA_[2A]-4A-13A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.67	15.00
CA_2A-[4A]-13A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.68	15.00
CA_[2A]-4A-29A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.68	15.00
CA_2A-[4A]-29A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.70	15.00
CA_[2A]-4A-30A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.65	15.00
CA_2A-[4A]-30A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.60	15.00
CA_2A-4A-[30A]	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.63	15.00
CA_[2A]-4A-71A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.61	15.00
CA_2A-[4A]-71A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.70	15.00
CA_[4A]-4A-5A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.66	15.00
CA_[4A]-4A-5A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.65	15.00
CA_[4A]-4A-7A (1)	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.67	15.00
CA_[4A]-4A-7A (1)	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.64	15.00
CA_4A-[7A]-7A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	14.57	15.00
CA_[4A]-4A-12A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_[4A]-4A-12A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.67	15.00
CA_[4A]-4A-13A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_[4A]-4A-13A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.66	15.00
CA_[4A]-4A-29A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.72	15.00
CA_[4A]-4A-29A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_[4A]-4A-30A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.64	15.00
CA_[4A]-4A-30A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.61	15.00
CA_[4A]-46C	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	14.59	15.00
CA_[4A]-4A-71A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.60	15.00
CA_[4A]-4A-71A	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.63	15.00
CA_4A-5A-[30A]	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.68	15.00
CA_4A-[7A]-12A (1)	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.51	15.00
CA_4A-12A-[30A]	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.64	15.00
CA_4A-29A-[30A]	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.64	15.00
CA_[2A]-4A-5B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.63	15.00
CA_2A-[4A]-5B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.63	15.00
CA_[2A]-4A-12B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.67	15.00
CA_2A-[4A]-12B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.62	15.00
CA_[4A]-4A-5B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.72	15.00
CA_[4A]-4A-5B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.62	15.00
CA_[4A]-4A-12B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.61	15.00
CA_[4A]-4A-12B	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.64	15.00
CA_[4A]-46D	LTE B4	15	20025	1717.5	64QAM	1	74	2025	2117.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.64	15.00

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1.4.9 LTE Band 66 as PCC

Table 69
Output Powers – Ant 2A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.48	14.49
CA_2A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.48	14.49
CA_[7A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.57	14.49
CA_7A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.44	14.49
CA_12A-[66A] (1)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.47	14.49
CA_12A-[66A] (2)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.47	14.49
CA_[2A]-2A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.47	14.49
CA_[2C]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	14.47	14.49
CA_2C-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.46	14.49
CA_2A-[66B]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.49	14.49
CA_2A-[66C]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.43	14.49
CA_2A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_2A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_[2A]-5A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.49	14.49
CA_2A-5A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.49	14.49
CA_[2A]-12A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_2A-12A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.49	14.49
CA_[2A]-13A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.44	14.49
CA_2A-13A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.46	14.49
CA_[2A]-14A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.44	14.49
CA_2A-14A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_[2A]-29A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_2A-29A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_[2A]-30A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.44	14.49
CA_2A-[30A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.47	14.49
CA_2A-30A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.43	14.49
CA_[2A]-46A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.48	14.49
CA_2A-46A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.49	14.49
CA_[2A]-66A-71A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.49	14.49
CA_2A-[66A]-71A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.49	14.49
CA_5A-[66B]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.44	14.49
CA_5A-[66C]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.41	14.49
CA_5A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.47	14.49
CA_5A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_5A-[30A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.41	14.49
CA_12A-[66C]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_12A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.41	14.49
CA_12A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.44	14.49
CA_12A-[30A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.44	14.49
CA_13A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.42	14.49
CA_13A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_13A-[66B]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.48	14.49
CA_13A-[66C]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.40	14.49
CA_13A-46A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.47	14.49
CA_14A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.42	14.49
CA_14A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.46	14.49
CA_14A-[30A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.46	14.49
CA_29A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.41	14.49
CA_29A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.46	14.49
CA_29A-[30A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.46	14.49
CA_30A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.44	14.49
CA_30A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.44	14.49
CA_46A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_46A-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.46	14.49
CA_[66A]-66A-71A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.43	14.49
CA_[66A]-66A-71A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.45	14.49
CA_[66C]-71A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.41	14.49
CA_[2A]-2A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	14.12	14.49
CA_[2A]-2A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	14.43	14.49
CA_2A-[66A]-66B	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.41	14.49
CA_2A-[66A]-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.37	14.49
CA_[2A]-5A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.04	14.49
CA_[2A]-5A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.41	14.49
CA_[2A]-5B-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.42	14.49
CA_2A-5B-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.42	14.49
CA_[2A]-12A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	14.48	14.49
CA_[2A]-13A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.06	14.49
CA_[2A]-13A-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.42	14.49
CA_[2A]-46C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.40	14.49
CA_2A-46C-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.41	14.49
CA_5B-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.43	14.49
CA_5B-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.49	14.49
CA_5A-[66A]-66B	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.42	14.49
CA_5A-[66A]-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.39	14.49
CA_5B-[30A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	14.47	14.49
CA_13A-[66A]-66B	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.36	14.49
CA_13A-[66A]-66C	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.35	14.49
CA_13A-46C-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.37	14.49
CA_46D-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.36	14.49
CA_46C-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.35	14.49
CA_46C-[66A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.47	14.49
CA_2A-66B-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	13.97	14.49
CA_2A-66C-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.43	14.49
CA_5A-66B-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.05	14.49
CA_5A-66C-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.47	14.49
CA_13A-66B-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.07	14.49
CA_13A-66C-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.42	14.49

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Table 70
Output Powers – Ant 2B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.10	14.35
CA_2A-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.24	14.35
CA_[7A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.19	14.35
CA_7A-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.30	14.35
CA_12A-[66A] (1)	LTE B66	3	132657	1778.5	64QAM	1	7	67121	2178.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.06	14.38
CA_12A-[66A] (2)	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.17	14.35
CA_[2A]-2A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_[2C]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	14.04	14.35
CA_2C-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.18	14.35
CA_2A-[66B]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	15	66554	2121.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.12	14.35
CA_2A-[66C]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	66578	2124.2	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.16	14.35
CA_2A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.10	14.35
CA_2A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.01	14.35
CA_[2A]-5A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.04	14.35
CA_2A-5A-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.16	14.35
CA_[2A]-12A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_2A-12A-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.15	14.35
CA_[2A]-13A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.02	14.35
CA_2A-13A-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.09	14.35
CA_[2A]-14A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.02	14.35
CA_2A-14A-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.12	14.35
CA_[2A]-29A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.01	14.35
CA_2A-29A-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.13	14.35
CA_[2A]-30A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_2A-[30A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.05	14.35
CA_2A-30A-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.14	14.35
CA_[2A]-46A-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.05	14.35
CA_2A-46A-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.12	14.35
CA_[2A]-66A-71A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.02	14.35
CA_2A-[66A]-71A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.12	14.35
CA_5A-[66B]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	15	66554	2121.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.10	14.35
CA_5A-[66C]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	66578	2124.2	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.09	14.35
CA_5A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.08	14.35
CA_5A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.01	14.35
CA_5A-[30A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.02	14.35
CA_12A-[66C]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	66578	2124.2	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.07	14.35
CA_12A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.13	14.35
CA_12A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_12A-[30A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.04	14.35
CA_13A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.07	14.35
CA_13A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_13A-[66B]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	15	66554	2121.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.08	14.35
CA_13A-[66C]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	66578	2124.2	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.14	14.35
CA_13A-46A-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.11	14.35
CA_14A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.15	14.35
CA_14A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.01	14.35
CA_14A-[30A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.02	14.35
CA_29A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.06	14.35
CA_29A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.00	14.35
CA_29A-[30A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.03	14.35
CA_30A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.09	14.35
CA_30A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.01	14.35
CA_46A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.12	14.35
CA_46A-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.02	14.35
CA_[66A]-66A-71A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.08	14.35
CA_[66A]-66A-71A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.05	14.35
CA_[66C]-71A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	66578	2124.2	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.10	14.35
CA_[2A]-2A-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	15	66554	2121.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	14.00	14.35
CA_[2A]-2A-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	66578	2124.2	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	14.01	14.35
CA_2A-[66A]-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.17	14.35
CA_2A-[66A]-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.16	14.35
CA_[2A]-5A-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	15	66554	2121.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.02	14.35
CA_[2A]-5A-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	66578	2124.2	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.00	14.35
CA_[2A]-5B-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.03	14.35
CA_2A-5B-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.16	14.35
CA_[2A]-12A-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	66578	2124.2	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	14.00	14.35
CA_[2A]-13A-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	15	66554	2121.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.02	14.35
CA_[2A]-13A-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	66578	2124.2	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.01	14.35
CA_[2A]-46C-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.03	14.35
CA_2A-46C-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.16	14.35
CA_5B-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.11	14.35
CA_5B-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.00	14.35
CA_5A-[66A]-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.12	14.35
CA_5A-[66A]-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.13	14.35
CA_5B-[30A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	14.01	14.35
CA_13A-[66A]-66B	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.15	14.35
CA_13A-[66A]-66C	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.11	14.35
CA_13A-46C-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.14	14.35
CA_46D-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.13	14.35
CA_46C-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.14	14.35
CA_46C-[66A]-66A	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.05	14.35
CA_2A-66B-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	15	66554	2121.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.01	14.35
CA_2A-66C-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	66578	2124.2	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.00	14.35
CA_5A-66B-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	15	66554	2121.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.03	14.35
CA_5A-66C-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	66578	2124.2	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.00	14.35
CA_13A-66B-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	15	66554	2121.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.01	14.35
CA_13A-66C-[66A]	LTE B66	5	131997	1712.5	64QAM	1	24	66461	2112.5	2x2 MIMO	LTE B66	20	66578	2124.2	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.02	14.35

Table 71
Output Powers – Ant 4A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.67	14.99
CA_2A-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.64	14.99
CA_[7A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.71	14.99
CA_7A-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.78	14.99
CA_12A-[66A] (1)	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.69	14.99
CA_12A-[66A] (2)	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.69	14.99
CA_[2A]-2A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.62	14.99
CA_[2C]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	14.69	14.99
CA_2C-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_2A-[66B]	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	4x4 MIMO	LTE B66	5	66693	2135.7	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_2A-[66C]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_2A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.66	14.99
CA_2A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.65	14.99
CA_[2A]-5A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.62	14.99
CA_2A-5A-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.65	14.99
CA_[2A]-12A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.66	14.99
CA_2A-12A-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.66	14.99
CA_[2A]-13A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.61	14.99
CA_2A-13A-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.63	14.99
CA_[2A]-14A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.61	14.99
CA_2A-14A-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_[2A]-29A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.62	14.99
CA_2A-29A-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.61	14.99
CA_[2A]-30A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_2A-[30A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.65	14.99
CA_2A-30A-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.67	14.99
CA_[2A]-46A-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.63	14.99
CA_2A-46A-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.61	14.99
CA_[2A]-66A-71A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_2A-[66A]-71A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.62	14.99
CA_5A-[66B]	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	4x4 MIMO	LTE B66	5	66693	2135.7	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.56	14.99
CA_5A-[66C]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.59	14.99
CA_5A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.62	14.99
CA_5A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.69	14.99
CA_5A-[30A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.65	14.99
CA_12A-[66C]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_12A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.62	14.99
CA_12A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_12A-[30A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.62	14.99
CA_13A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.65	14.99
CA_13A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.60	14.99
CA_13A-[66B]	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	4x4 MIMO	LTE B66	5	66693	2135.7	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_13A-[66C]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.65	14.99
CA_13A-46A-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.68	14.99
CA_14A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.66	14.99
CA_14A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.66	14.99
CA_14A-[30A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.55	14.99
CA_29A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.68	14.99
CA_29A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.60	14.99
CA_29A-[30A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.57	14.99
CA_30A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.67	14.99
CA_30A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.63	14.99
CA_46A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.58	14.99
CA_46A-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_[66A]-66A-71A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.64	14.99
CA_[66A]-66A-71A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.60	14.99
CA_[66C]-71A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.60	14.99
CA_[2A]-2A-66B	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	2x2 MIMO	LTE B66	5	66693	2135.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	14.63	14.99
CA_[2A]-2A-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	14.59	14.99
CA_2A-[66A]-66B	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.58	14.99
CA_2A-[66A]-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.57	14.99
CA_[2A]-5A-66B	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	2x2 MIMO	LTE B66	5	66693	2135.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.73	14.99
CA_[2A]-5A-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.61	14.99
CA_[2A]-5B-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.57	14.99
CA_2A-5B-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.57	14.99
CA_[2A]-12A-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	14.56	14.99
CA_[2A]-13A-66B	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	2x2 MIMO	LTE B66	5	66693	2135.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.64	14.99
CA_[2A]-13A-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.55	14.99
CA_[2A]-46C-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.61	14.99
CA_2A-46C-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.54	14.99
CA_5B-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.58	14.99
CA_5B-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.54	14.99
CA_5A-[66A]-66B	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.57	14.99
CA_5A-[66A]-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.55	14.99
CA_5B-[30A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	14.57	14.99
CA_13A-[66A]-66B	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.56	14.99
CA_13A-[66A]-66C	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.57	14.99
CA_13A-46C-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.57	14.99
CA_46D-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.60	14.99
CA_46C-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.57	14.99
CA_46C-[66A]-66A	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.62	14.99
CA_2A-66B-[66A]	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	2x2 MIMO	LTE B66	5	66693	2135.7	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.65	14.99
CA_2A-66C-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.62	14.99
CA_5A-66B-[66A]	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	2x2 MIMO	LTE B66	5	66693	2135.7	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.66	14.99
CA_5A-66C-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.60	14.99
CA_13A-66B-[66A]	LTE B66	15	132322	1745	64QAM	1	74	66786	2145	2x2 MIMO	LTE B66	5	66693	2135.7	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.66	14.99
CA_13A-66C-[66A]	LTE B66	20	132072	1720	16QAM	1	0	66536	2120	2x2 MIMO	LTE B66	20	66734	2139.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.57	14.99

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Table 72
Output Powers – Ant 4B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.56	15.00
CA_2A-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.65	15.00
CA_[7A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.60	15.00
CA_7A-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.64	15.00
CA_12A-[66A] (1)	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.61	15.00
CA_12A-[66A] (2)	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.61	15.00
CA_[2A]-2A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.58	15.00
CA_[2C]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	14.61	15.00
CA_2C-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.59	15.00
CA_2A-[66B]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.59	15.00
CA_2A-[66C]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	66682	2134.6	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.60	15.00
CA_2A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.56	15.00
CA_2A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.52	15.00
CA_[2A]-5A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.56	15.00
CA_2A-5A-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.65	15.00
CA_[2A]-12A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.59	15.00
CA_2A-12A-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.63	15.00
CA_[2A]-13A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.60	15.00
CA_2A-13A-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.65	15.00
CA_[2A]-14A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.59	15.00
CA_2A-14A-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_[2A]-29A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.64	15.00
CA_2A-29A-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.68	15.00
CA_[2A]-30A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.65	15.00
CA_2A-[30A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.62	15.00
CA_2A-30A-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.58	15.00
CA_[2A]-46A-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.59	15.00
CA_2A-46A-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.69	15.00
CA_[2A]-66A-71A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.63	15.00
CA_2A-[66A]-71A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_5A-[66B]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.57	15.00
CA_5A-[66C]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	66682	2134.6	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.56	15.00
CA_5A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.57	15.00
CA_5A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.65	15.00
CA_5A-[30A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.50	15.00
CA_12A-[66C]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	66682	2134.6	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.53	15.00
CA_12A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.63	15.00
CA_12A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.56	15.00
CA_12A-[30A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.64	15.00
CA_13A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.59	15.00
CA_13A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.64	15.00
CA_13A-[66B]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_13A-[66C]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	66682	2134.6	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.60	15.00
CA_13A-46A-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_14A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_14A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_14A-[30A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.56	15.00
CA_29A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.55	15.00
CA_29A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.58	15.00
CA_29A-[30A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.60	15.00
CA_30A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.53	15.00
CA_30A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.63	15.00
CA_46A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.58	15.00
CA_46A-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.58	15.00
CA_[66A]-66A-71A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.59	15.00
CA_[66A]-66A-71A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.62	15.00
CA_[66C]-71A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	66682	2134.6	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.57	15.00
CA_[2A]-2A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	14.60	15.00
CA_[2A]-2A-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	66682	2134.6	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	14.63	15.00
CA_2A-[66A]-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.56	15.00
CA_2A-[66A]-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.58	15.00
CA_[2A]-5A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.61	15.00
CA_[2A]-5A-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	66682	2134.6	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.57	15.00
CA_[2A]-5B-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.59	15.00
CA_2A-5B-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.63	15.00
CA_[2A]-12A-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	66682	2134.6	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	14.55	15.00
CA_[2A]-13A-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.60	15.00
CA_[2A]-13A-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	66682	2134.6	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.59	15.00
CA_[2A]-46C-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.65	15.00
CA_2A-46C-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.64	15.00
CA_5B-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.58	15.00
CA_5B-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.62	15.00
CA_5A-[66A]-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.68	15.00
CA_5A-[66A]-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.65	15.00
CA_5B-[30A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	14.59	15.00
CA_13A-[66A]-66B	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.64	15.00
CA_13A-[66A]-66C	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.66	15.00
CA_13A-46C-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.59	15.00
CA_46D-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.55	15.00
CA_46C-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.53	15.00
CA_46C-[66A]-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.60	15.00
CA_2A-66B-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.65	15.00
CA_2A-66C-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	66682	2134.6	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	14.64	15.00
CA_5A-66B-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.59	15.00
CA_5A-66C-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	66682	2134.6	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	14.59	15.00
CA_13A-66B-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	5	66604	2126.8	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.56	15.00
CA_13A-66C-[66A]	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	2x2 MIMO	LTE B66	20	66682	2134.6	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	14.64	15.00

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1.4.10 LTE Band 2 as PCC

Table 73
Output Powers – Ant 2A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-4A	LTE B2	3	18615	1851.5	64QAM	1	7	615	1931.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.16	15.40
CA_2A-[4A]	LTE B2	3	18615	1851.5	64QAM	1	7	615	1931.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	15.06	15.40
CA_[2A]-12A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.08	15.39
CA_[2A]-17A	LTE B2	10	18650	1855	16QAM	1	0	650	1935	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.03	15.37
CA_[2A]-29A	LTE B2	10	18650	1855	16QAM	1	0	650	1935	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.06	15.37
CA_[2A]-66A	LTE B2	3	18615	1851.5	64QAM	1	7	615	1931.5	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.12	15.40
CA_2A-[66A]	LTE B2	3	18615	1851.5	64QAM	1	7	615	1931.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.97	15.40
CA_[2A]-2A-4A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	15.03	15.39
CA_[2A]-2A-4A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	15.08	15.39
CA_2A-[4A]-4A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	15.04	15.39
CA_[2A]-2A-5A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.10	15.39
CA_[2A]-2A-5A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.06	15.39
CA_[2C]-5A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.08	15.39
CA_[2A]-2A-12A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.06	15.39
CA_[2A]-2A-12A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.10	15.39
CA_[2C]-12A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.12	15.39
CA_[2A]-2A-13A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.10	15.39
CA_[2A]-2A-13A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.15	15.39
CA_[2A]-2A-14A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	15.11	15.39
CA_[2A]-2A-14A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	15.11	15.39
CA_[2A]-2A-29A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.06	15.39
CA_[2A]-2A-29A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.08	15.39
CA_[2C]-29A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.08	15.39
CA_[2C]-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.08	15.39
CA_2C-[30A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.15	15.39
CA_[2A]-2A-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.10	15.39
CA_[2A]-2A-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.10	15.39
CA_[2A]-2A-46A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	15.13	15.39
CA_[2A]-2A-46A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	15.17	15.39
CA_[2A]-2A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.09	15.39
CA_[2A]-2A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.11	15.39
CA_[2C]-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.12	15.39
CA_2C-[66A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.11	15.39
CA_2A-[66B]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	15.06	15.39
CA_2A-[66C]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	15.08	15.39
CA_2A-[66A]-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	15.10	15.39
CA_[2A]-2A-71A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.07	15.39
CA_[2A]-2A-71A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.15	15.39
CA_[2A]-4A-5A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.09	15.39
CA_2A-[4A]-5A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	4x4 MIMO	-	-	-	-	-	15.11	15.39
CA_[2A]-4A-12A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.04	15.39
CA_2A-[4A]-12A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	4x4 MIMO	-	-	-	-	-	15.07	15.39
CA_[2A]-4A-13A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.06	15.39
CA_2A-[4A]-13A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	4x4 MIMO	-	-	-	-	-	15.03	15.39
CA_[2A]-4A-29A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.04	15.39
CA_2A-[4A]-29A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	4x4 MIMO	-	-	-	-	-	15.10	15.39
CA_[2A]-4A-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.02	15.39
CA_2A-[4A]-30A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.12	15.39
CA_2A-4A-[30A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.12	15.39
CA_[2A]-4A-71A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.09	15.39
CA_2A-[4A]-71A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B71	20	68761	634.5	4x4 MIMO	-	-	-	-	-	15.06	15.39
CA_2A-5A-[30A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.15	15.39
CA_[2A]-5A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.06	15.39
CA_2A-5A-[66A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.06	15.39
CA_2A-12A-[30A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.04	15.39
CA_[2A]-12A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.10	15.39
CA_2A-12A-[66A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.04	15.39
CA_[2A]-13A-46A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	15.05	15.39
CA_[2A]-13A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.09	15.39
CA_2A-13A-[66A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.09	15.39
CA_2A-14A-[30A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.02	15.39
CA_[2A]-14A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	10	66786	2145	2x2 MIMO	-	-	-	-	-	15.07	15.39
CA_2A-14A-[66A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	10	66786	2145	4x4 MIMO	-	-	-	-	-	15.10	15.39
CA_2A-29A-[30A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.04	15.39
CA_[2A]-29A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.03	15.39
CA_2A-29A-[66A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.09	15.39
CA_[2A]-30A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.07	15.39
CA_2A-[30A]-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.11	15.39
CA_2A-30A-[66A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.09	15.39
CA_[2A]-46A-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.10	15.39
CA_2A-46A-[66A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.06	15.39
CA_[2A]-66A-71A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.06	15.39
CA_2A-[66A]-71A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.10	15.39
CA_[2A]-2A-12B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	15.06	15.39
CA_[2A]-2A-12B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	15.06	15.39
CA_[2A]-2A-46C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	15.04	15.39
CA_[2A]-2A-46C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	15.10	15.39
CA_[2A]-46D	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	15.09	15.39
CA_[2A]-2A-66B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	14.99	15.39
CA_[2A]-2A-66B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	15.08	15.39
CA_[2A]-2A-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.99	15.39
CA_[2A]-2A-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	15.03	15.39
CA_2A-[66A]-66B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	15.03	15.39
CA_2A-[66A]-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	15.02	15.39
CA_[2A]-4A-5B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	15.00	15.39
CA_2A-[4A]-5B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	15.06	15.39
CA_[2A]-4A-12B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	15.07	15.39
CA_2A-[4A]-12B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	15.08	15.39
CA_2A-5B-[30A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	15.05	15.39
CA_[2A]-5A-66B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	15.08	15.39
CA_[2A]-5A-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	15.11	15.39
CA_[2A]-5B-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	15.02	15.39
CA_2A-5B-[66A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	15.14	15.39
CA_[2A]-12A-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	15.05	15.39
CA_[2A]-13A-66B	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	15.08	15.39
CA_[2A]-13A-66C	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	15.08	15.39
CA_[2A]-46C-66A	LTE B2	20	18700	1860	64QAM	1	0	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	15.02	15.39
CA_2A-46C-[66A]	LTE B2	20	18700	1860	64QAM	1	0	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	15.09	15.39

Table 74
Output Powers – Ant 2B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.25	15.30
CA_2A-[4A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	15.24	15.30
CA_[2A]-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.25	15.30
CA_[2A]-17A	LTE B2	10	18650	1855	16QAM	1	0	650	1935	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.91	15.30
CA_[2A]-29A	LTE B2	10	18650	1855	16QAM	1	0	650	1935	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.93	15.30
CA_[2A]-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.24	15.30
CA_2A-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	15.27	15.30
CA_[2A]-2A-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	15.20	15.30
CA_[2A]-2A-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	15.21	15.30
CA_2A-[4A]-4A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	15.27	15.30
CA_[2A]-2A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.18	15.30
CA_[2A]-2A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.28	15.30
CA_[2C]-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.19	15.30
CA_[2A]-2A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.18	15.30
CA_[2A]-2A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.26	15.30
CA_[2C]-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.19	15.30
CA_[2A]-2A-13A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.18	15.30
CA_[2A]-2A-13A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.28	15.30
CA_[2A]-2A-14A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	15.19	15.30
CA_[2A]-2A-14A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	15.27	15.30
CA_[2A]-2A-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.22	15.30
CA_[2A]-2A-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.27	15.30
CA_[2C]-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.20	15.30
CA_[2C]-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.24	15.30
CA_2C-[30A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.20	15.30
CA_[2A]-2A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.19	15.30
CA_[2A]-2A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.27	15.30
CA_[2A]-2A-46A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	15.16	15.30
CA_[2A]-2A-46A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	15.28	15.30
CA_[2A]-2A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.17	15.30
CA_[2A]-2A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.26	15.30
CA_[2C]-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.19	15.30
CA_2C-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.27	15.30
CA_2A-[66B]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	15.20	15.30
CA_2A-[66C]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	15.21	15.30
CA_2A-[66A]-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	15.28	15.30
CA_[2A]-2A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.25	15.30
CA_[2A]-2A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.26	15.30
CA_[2A]-4A-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.26	15.30
CA_2A-[4A]-5A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	4x4 MIMO	-	-	-	-	-	15.26	15.30
CA_[2A]-4A-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.25	15.30
CA_2A-[4A]-12A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	4x4 MIMO	-	-	-	-	-	15.28	15.30
CA_[2A]-4A-13A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.26	15.30
CA_2A-[4A]-13A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	4x4 MIMO	-	-	-	-	-	15.27	15.30
CA_[2A]-4A-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.26	15.30
CA_2A-[4A]-29A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	4x4 MIMO	-	-	-	-	-	15.28	15.30
CA_[2A]-4A-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.24	15.30
CA_2A-[4A]-30A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.29	15.30
CA_2A-4A-[30A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.30	15.30
CA_[2A]-4A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.26	15.30
CA_2A-[4A]-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B71	20	68761	634.5	4x4 MIMO	-	-	-	-	-	15.28	15.30
CA_2A-5A-[30A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.22	15.30
CA_[2A]-5A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.26	15.30
CA_2A-5A-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.28	15.30
CA_2A-12A-[30A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.18	15.30
CA_[2A]-12A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.27	15.30
CA_2A-12A-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.28	15.30
CA_[2A]-13A-46A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	15.19	15.30
CA_[2A]-13A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.26	15.30
CA_2A-13A-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.29	15.30
CA_2A-14A-[30A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.19	15.30
CA_[2A]-14A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	10	66786	2145	2x2 MIMO	-	-	-	-	-	15.27	15.30
CA_2A-14A-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	10	66786	2145	4x4 MIMO	-	-	-	-	-	15.29	15.30
CA_2A-29A-[30A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.21	15.30
CA_[2A]-29A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.27	15.30
CA_2A-29A-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.28	15.30
CA_[2A]-30A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.26	15.30
CA_2A-[30A]-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.28	15.30
CA_2A-30A-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.29	15.30
CA_[2A]-46A-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.25	15.30
CA_2A-46A-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.23	15.30
CA_[2A]-66A-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.27	15.30
CA_2A-[66A]-71A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	15.21	15.30
CA_[2A]-2A-12B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	15.23	15.30
CA_[2A]-2A-12B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	15.17	15.30
CA_[2A]-2A-46C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	15.17	15.30
CA_[2A]-2A-46C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	15.21	15.30
CA_[2A]-46D	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	15.22	15.30
CA_[2A]-2A-66B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	15.16	15.30
CA_[2A]-2A-66B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	15.18	15.30
CA_[2A]-2A-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	15.19	15.30
CA_[2A]-2A-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	15.16	15.30
CA_2A-[66A]-66B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	15.16	15.30
CA_2A-[66A]-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	15.19	15.30
CA_[2A]-4A-5B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	15.17	15.30
CA_2A-[4A]-5B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	15.21	15.30
CA_[2A]-4A-12B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	15.24	15.30
CA_2A-[4A]-12B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	15.21	15.30
CA_2A-5B-[30A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	15.17	15.30
CA_[2A]-5A-66B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	15.22	15.30
CA_[2A]-5A-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	15.22	15.30
CA_[2A]-5B-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	15.23	15.30
CA_2A-5B-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	15.18	15.30
CA_[2A]-12A-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	15.23	15.30
CA_[2A]-13A-66B	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	15.22	15.30
CA_[2A]-13A-66C	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	15.17	15.30
CA_[2A]-46C-66A	LTE B2	20	18700	1860	QPSK	1	0	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	15.17	15.30
CA_2A-46C-[66A]	LTE B2	20	18700	1860	QPSK	1	0	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	15.17	15.30

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Table 75
Output Powers – Ant 4A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-4A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.81	15.08
CA_2A-[4A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.84	15.08
CA_[2A]-12A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.82	15.08
CA_[2A]-17A	LTE B2	5	19175	1907.5	16QAM	1	0	1175	1987.5	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.97	15.00
CA_[2A]-29A	LTE B2	5	19175	1907.5	16QAM	1	0	1175	1987.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA_[2A]-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.85	15.08
CA_2A-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.81	15.08
CA_[2A]-2A-4A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.75	15.08
CA_[2A]-2A-4A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.75	15.08
CA_2A-[4A]-4A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	14.78	15.08
CA_[2A]-2A-5A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.74	15.08
CA_[2A]-2A-5A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.79	15.08
CA_[2C]-5A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.77	15.08
CA_[2A]-2A-12A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.66	15.08
CA_[2A]-2A-12A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.73	15.08
CA_[2C]-12A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.74	15.08
CA_[2A]-2A-13A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.74	15.08
CA_[2A]-2A-13A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.70	15.08
CA_[2A]-2A-14A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.74	15.08
CA_[2A]-2A-14A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.75	15.08
CA_[2A]-2A-29A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.71	15.08
CA_[2A]-2A-29A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.74	15.08
CA_[2C]-29A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.72	15.08
CA_[2C]-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.78	15.08
CA_2C-[30A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	754	1945.4	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.74	15.08
CA_[2A]-2A-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.73	15.08
CA_[2A]-2A-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.67	15.08
CA_[2A]-2A-46A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.72	15.08
CA_[2A]-2A-46A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.76	15.08
CA_[2A]-2A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.74	15.08
CA_[2A]-2A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.74	15.08
CA_[2C]-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.72	15.08
CA_2C-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	754	1945.4	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.68	15.08
CA_2A-[66B]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	14.77	15.08
CA_2A-[66C]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	14.75	15.08
CA_2A-[66A]-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	14.77	15.08
CA_[2A]-2A-71A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.72	15.08
CA_[2A]-2A-71A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.77	15.08
CA_[2A]-4A-5A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.72	15.08
CA_2A-[4A]-5A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	4x4 MIMO	-	-	-	-	-	14.73	15.08
CA_[2A]-4A-12A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.73	15.08
CA_2A-[4A]-12A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	4x4 MIMO	-	-	-	-	-	14.78	15.08
CA_[2A]-4A-13A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.75	15.08
CA_2A-[4A]-13A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	4x4 MIMO	-	-	-	-	-	14.73	15.08
CA_[2A]-4A-29A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.67	15.08
CA_2A-[4A]-29A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	4x4 MIMO	-	-	-	-	-	14.74	15.08
CA_[2A]-4A-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.69	15.08
CA_2A-[4A]-30A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.73	15.08
CA_2A-4A-[30A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.69	15.08
CA_[2A]-4A-71A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.67	15.08
CA_2A-[4A]-71A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B71	20	68761	634.5	4x4 MIMO	-	-	-	-	-	14.73	15.08
CA_2A-5A-[30A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.76	15.08
CA_[2A]-5A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.71	15.08
CA_2A-5A-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.70	15.08
CA_2A-12A-[30A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.73	15.08
CA_[2A]-12A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.72	15.08
CA_2A-12A-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.74	15.08
CA_[2A]-13A-46A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.72	15.08
CA_[2A]-13A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.69	15.08
CA_2A-13A-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.70	15.08
CA_2A-14A-[30A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.72	15.08
CA_[2A]-14A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	10	66786	2145	2x2 MIMO	-	-	-	-	-	14.68	15.08
CA_2A-14A-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	10	66786	2145	4x4 MIMO	-	-	-	-	-	14.73	15.08
CA_2A-29A-[30A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.70	15.08
CA_[2A]-29A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.70	15.08
CA_2A-29A-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.66	15.08
CA_[2A]-30A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.72	15.08
CA_2A-[30A]-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.75	15.08
CA_2A-30A-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.73	15.08
CA_[2A]-46A-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.67	15.08
CA_2A-46A-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.74	15.08
CA_[2A]-66A-71A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.73	15.08
CA_2A-[66A]-71A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.72	15.08
CA_[2A]-2A-12B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.73	15.08
CA_[2A]-2A-12B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.69	15.08
CA_[2A]-2A-46C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.72	15.08
CA_[2A]-2A-46C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.73	15.08
CA_[2A]-46D	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.65	15.08
CA_[2A]-2A-66B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	14.66	15.08
CA_[2A]-2A-66B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	14.72	15.08
CA_[2A]-2A-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.65	15.08
CA_[2A]-2A-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.67	15.08
CA_2A-[66A]-66B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	14.70	15.08
CA_2A-[66A]-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	14.69	15.08
CA_[2A]-4A-5B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.71	15.08
CA_2A-[4A]-5B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.68	15.08
CA_[2A]-4A-12B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.72	15.08
CA_2A-[4A]-12B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.73	15.08
CA_2A-5B-[30A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	14.63	15.08
CA_[2A]-5A-66B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	14.66	15.08
CA_[2A]-5A-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.67	15.08
CA_[2A]-5B-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	14.67	15.08
CA_2A-5B-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	14.65	15.08
CA_[2A]-12A-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.68	15.08
CA_[2A]-13A-66B	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	14.70	15.08
CA_[2A]-13A-66C	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.69	15.08
CA_[2A]-46C-66A	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	14.67	15.08
CA_2A-46C-[66A]	LTE B2	15	18925	1882.5	16QAM	1	0	925	1962.5	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	14.67	15.08

Table 76
Output Powers – Ant 4B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2A]-4A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.20	14.50
CA_2A-[4A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.19	14.50
CA_[2A]-12A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.21	14.50
CA_[2A]-17A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.20	14.50
CA_[2A]-29A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.21	14.50
CA_[2A]-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.22	14.50
CA_2A-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.18	14.50
CA_[2A]-2A-4A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.11	14.50
CA_[2A]-2A-4A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.19	14.50
CA_2A-[4A]-4A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	14.21	14.50
CA_[2A]-2A-5A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.14	14.50
CA_[2A]-2A-5A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.19	14.50
CA_[2C]-5A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	781	1948.1	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.18	14.50
CA_[2A]-2A-12A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.15	14.50
CA_[2A]-2A-12A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.19	14.50
CA_[2C]-12A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	781	1948.1	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.17	14.50
CA_[2A]-2A-13A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.14	14.50
CA_[2A]-2A-13A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.19	14.50
CA_[2A]-2A-14A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.07	14.50
CA_[2A]-2A-14A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.20	14.50
CA_[2A]-2A-29A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.07	14.50
CA_[2A]-2A-29A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.20	14.50
CA_[2C]-29A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	781	1948.1	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.10	14.50
CA_[2C]-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	781	1948.1	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.06	14.50
CA_2C-[30A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	781	1948.1	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.17	14.50
CA_[2A]-2A-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.15	14.50
CA_[2A]-2A-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.20	14.50
CA_[2A]-2A-46A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.14	14.50
CA_[2A]-2A-46A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.18	14.50
CA_[2A]-2A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.13	14.50
CA_[2A]-2A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.19	14.50
CA_[2C]-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	781	1948.1	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.00	14.50
CA_2C-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	781	1948.1	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.19	14.50
CA_2A-[66B]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	14.18	14.50
CA_2A-[66C]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	14.21	14.50
CA_2A-[66A]-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	14.19	14.50
CA_[2A]-2A-71A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.18	14.50
CA_[2A]-2A-71A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.20	14.50
CA_[2A]-4A-5A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.16	14.50
CA_2A-[4A]-5A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	4x4 MIMO	-	-	-	-	-	14.18	14.50
CA_[2A]-4A-12A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.13	14.50
CA_2A-[4A]-12A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	4x4 MIMO	-	-	-	-	-	14.20	14.50
CA_[2A]-4A-13A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.12	14.50
CA_2A-[4A]-13A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	4x4 MIMO	-	-	-	-	-	14.16	14.50
CA_[2A]-4A-29A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.20	14.50
CA_2A-[4A]-29A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	4x4 MIMO	-	-	-	-	-	14.19	14.50
CA_[2A]-4A-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.13	14.50
CA_2A-[4A]-30A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.22	14.50
CA_2A-4A-[30A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.21	14.50
CA_[2A]-4A-71A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.12	14.50
CA_2A-[4A]-71A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B71	20	68761	634.5	4x4 MIMO	-	-	-	-	-	14.29	14.50
CA_2A-5A-[30A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.26	14.50
CA_[2A]-5A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.12	14.50
CA_2A-5A-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.19	14.50
CA_2A-12A-[30A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.17	14.50
CA_[2A]-12A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.09	14.50
CA_2A-12A-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.20	14.50
CA_[2A]-13A-46A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.08	14.50
CA_[2A]-13A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.16	14.50
CA_2A-13A-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.19	14.50
CA_2A-14A-[30A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.17	14.50
CA_[2A]-14A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	10	66786	2145	2x2 MIMO	-	-	-	-	-	14.13	14.50
CA_2A-14A-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	10	66786	2145	4x4 MIMO	-	-	-	-	-	14.18	14.50
CA_2A-29A-[30A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.13	14.50
CA_[2A]-29A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.12	14.50
CA_2A-29A-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.17	14.50
CA_[2A]-30A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.14	14.50
CA_2A-[30A]-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.18	14.50
CA_2A-30A-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.13	14.50
CA_[2A]-46A-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.14	14.50
CA_2A-46A-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.14	14.50
CA_[2A]-66A-71A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.12	14.50
CA_2A-[66A]-71A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B71	20	68761	634.5	2x2 MIMO	-	-	-	-	-	14.14	14.50
CA_[2A]-2A-12B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.04	14.50
CA_[2A]-2A-12B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.14	14.50
CA_[2A]-2A-46C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.07	14.50
CA_[2A]-2A-46C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	14.09	14.50
CA_[2A]-46D	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.10	14.50
CA_[2A]-2A-66B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	14.09	14.50
CA_[2A]-2A-66B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	14.11	14.50
CA_[2A]-2A-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.06	14.50
CA_[2A]-2A-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.08	14.50
CA_2A-[66A]-66B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	5	67168	2183.2	2x2 MIMO	LTE B66	15	67261	2192.5	2x2 MIMO	14.10	14.50
CA_2A-[66A]-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67038	2170.2	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	14.08	14.50
CA_[2A]-4A-5B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.12	14.50
CA_2A-[4A]-5B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.05	14.50
CA_[2A]-4A-12B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.12	14.50
CA_2A-[4A]-12B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	5	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	14.00	14.50
CA_2A-5B-[30A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	14.03	14.50
CA_[2A]-5A-66B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	14.09	14.50
CA_[2A]-5A-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.12	14.50
CA_[2A]-5B-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	14.04	14.50
CA_2A-5B-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	14.07	14.50
CA_[2A]-12A-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.08	14.50
CA_[2A]-13A-66B	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	15	66786	2145	2x2 MIMO	LTE B66	5	66879	2154.3	2x2 MIMO	14.04	14.50
CA_[2A]-13A-66C	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	14.10	14.50
CA_[2A]-46C-66A	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	14.03	14.50
CA_2A-46C-[66A]	LTE B2	10	18925	1882.5	16QAM	1	49	925	1962.5	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	14.05	14.50

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1.4.11 LTE Band 25 as PCC

Table 77
Output Powers – Ant 2A

	PCC										SCC 1					SCC 2					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[25A]	LTE B25	20	26140	1860	64QAM	1	0	8140	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.09	15.39
CA_[25A]-26A	LTE B25	3	26055	1851.5	64QAM	1	7	8055	1931.5	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	15.02	15.40
CA_[25A]-25A-26A	LTE B25	20	26140	1860	64QAM	1	0	8140	1940	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	15.03	15.39
CA_[25A]-25A-26A	LTE B25	20	26140	1860	64QAM	1	0	8140	1940	2x2 MIMO	LTE B25	20	8590	1985	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	15.02	15.39

Table 78
Output Powers – Ant 2B

	PCC										SCC 1					SCC 2					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[25A]	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.29	15.30
CA_[25A]-26A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	15.29	15.30
CA_[25A]-25A-26A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	15.29	15.30
CA_[25A]-25A-26A	LTE B25	20	26140	1860	QPSK	1	0	8140	1940	2x2 MIMO	LTE B25	20	8590	1985	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	15.24	15.30

Table 79
Output Powers – Ant 4A

	PCC										SCC 1					SCC 2					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[25A]	LTE B25	15	26365	1882.5	16QAM	1	0	8365	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.75	15.08
CA_[25A]-26A	LTE B25	15	26365	1882.5	16QAM	1	0	8365	1962.5	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	14.76	15.08
CA_[25A]-25A-26A	LTE B25	15	26365	1882.5	16QAM	1	0	8365	1962.5	4x4 MIMO	LTE B25	20	8140	1940	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	14.67	15.08
CA_[25A]-25A-26A	LTE B25	15	26365	1882.5	16QAM	1	0	8365	1962.5	2x2 MIMO	LTE B25	20	8140	1940	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	14.77	15.08

Table 80
Output Powers – Ant 4B

	PCC										SCC 1					SCC 2					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[25A]	LTE B25	10	26365	1882.5	16QAM	1	49	8365	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.20	14.50
CA_[25A]-26A	LTE B25	10	26365	1882.5	16QAM	1	49	8365	1962.5	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	14.21	14.50
CA_[25A]-25A-26A	LTE B25	10	26365	1882.5	16QAM	1	49	8365	1962.5	4x4 MIMO	LTE B25	20	8140	1940	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	14.11	14.50
CA_[25A]-25A-26A	LTE B25	10	26365	1882.5	16QAM	1	49	8365	1962.5	2x2 MIMO	LTE B25	20	8140	1940	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	14.13	14.50

1.4.12 LTE Band 30 as PCC

Table 81
Output Powers – Ant 2A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2C]-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	13.14	13.28
CA_2C-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	13.23	13.28
CA_[2A]-2A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	13.20	13.28
CA_[2A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.24	13.28
CA_2A-[4A]-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	13.15	13.28
CA_2A-4A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.24	13.28
CA_2A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.25	13.28
CA_2A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.27	13.28
CA_2A-14A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	13.27	13.28
CA_2A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.26	13.28
CA_[2A]-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.22	13.28
CA_2A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.25	13.28
CA_2A-30A-[66A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.17	13.28
CA_[4A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	13.20	13.28
CA_4A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.27	13.28
CA_4A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.26	13.28
CA_4A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.25	13.28
CA_5A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.27	13.28
CA_12A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.26	13.28
CA_14A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.27	13.28
CA_29A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.26	13.28
CA_30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	13.13	13.28
CA_2A-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	13.22	13.28
CA_5B-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	13.23	13.28

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Table 82
Output Powers – Ant 2B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2C]-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	13.99	14.20
CA_2C-[30A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.03	14.20
CA_[2A]-2A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.01	14.20
CA_[2A]-4A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.00	14.20
CA_2A-[4A]-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	13.98	14.20
CA_2A-4A-[30A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.08	14.20
CA_2A-5A-[30A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.06	14.20
CA_2A-12A-[30A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.04	14.20
CA_2A-14A-[30A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.01	14.20
CA_2A-29A-[30A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.06	14.20
CA_[2A]-30A-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.98	14.20
CA_2A-[30A]-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.05	14.20
CA_2A-30A-[66A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.00	14.20
CA_[4A]-4A-30A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	13.98	14.20
CA_4A-5A-[30A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.03	14.20
CA_4A-12A-[30A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.02	14.20
CA_4A-29A-[30A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.00	14.20
CA_5A-[30A]-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.98	14.20
CA_12A-[30A]-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.01	14.20
CA_14A-[30A]-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.07	14.20
CA_29A-[30A]-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.08	14.20
CA_30A-[66A]-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	13.92	14.20
CA_2A-5B-[30A]	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.06	14.20
CA_5B-[30A]-66A	LTE B30	5	27710	2310	64QAM	1	24	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	14.07	14.20

Table 83
Output Powers – Ant 4A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2C]-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	14.10	14.10
CA_2C-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_[2A]-2A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_[2A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.09	14.10
CA_2A-[4A]-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	14.10	14.10
CA_2A-4A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_2A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.09	14.10
CA_2A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_2A-14A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_2A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.09	14.10
CA_[2A]-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_2A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_2A-30A-[66A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.10	14.10
CA_[4A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	14.04	14.10
CA_4A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.06	14.10
CA_4A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.09	14.10
CA_4A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_5A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.05	14.10
CA_12A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_14A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_29A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.10	14.10
CA_30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	14.02	14.10
CA_2A-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	14.07	14.10
CA_5B-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	14.10	14.10

Table 84
Output Powers – Ant 4B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[2C]-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	13.46	13.50
CA_2C-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	13.42	13.50
CA_[2A]-2A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	13.48	13.50
CA_[2A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.42	13.50
CA_2A-[4A]-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	13.43	13.50
CA_2A-4A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.45	13.50
CA_2A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.48	13.50
CA_2A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.47	13.50
CA_2A-14A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	13.49	13.50
CA_2A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.50	13.50
CA_[2A]-30A-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.49	13.50
CA_2A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.48	13.50
CA_2A-30A-[66A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.50	13.50
CA_[4A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	13.39	13.50
CA_4A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.50	13.50
CA_4A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.49	13.50
CA_4A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.50	13.50
CA_5A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.49	13.50
CA_12A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.50	13.50
CA_14A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.50	13.50
CA_29A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.50	13.50
CA_30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	13.38	13.50
CA_2A-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	13.42	13.50
CA_5B-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	0	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B5	5	2453	874.3	2x2 MIMO	LTE B66	20	67236	2190	2x2 MIMO	13.47	13.50

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1.4.13 **LTE Band 7 as PCC**

Table 85
Output Powers – Ant 2A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[7A]	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.10	14.10
CA_[7B]	LTE B7	15	21100	2535	64QAM	1	36	3100	2655	4x4 MIMO	LTE B7	5	3007	2645.7	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	13.75	14.10
CA_[7C] (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B7	20	3048	2649.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.06	14.10
CA_[7A]-12A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.10	14.10
CA_[7A]-46A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.05	14.10
CA_[7A]-66A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.06	14.10
CA_7A-[66A]	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.09	14.10
CA_[4A]-4A-7A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	14.07	14.10
CA_4A-[7A]-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B7	20	3350	2680	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.07	14.10
CA_4A-[7A]-7A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	2x2 MIMO	LTE B7	20	3350	2680	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.06	14.10
CA_4A-[7A]-12A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.02	14.10
CA_[7A]-46C (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	14.03	14.10
CA_[7A]-46D (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.05	14.10

Table 86
Output Powers – Ant 2B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[7A]	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.59	13.00
CA_[7B]	LTE B7	15	20825	2507.5	QPSK	1	36	2825	2627.5	4x4 MIMO	LTE B7	5	2918	2636.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.91	13.00
CA_[7C] (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	4x4 MIMO	LTE B7	20	3048	2649.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.58	13.00
CA_[7A]-12A	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.60	13.00
CA_[7A]-46A (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.56	13.00
CA_[7A]-66A	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.54	13.00
CA_7A-[66A]	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.60	13.00
CA_[4A]-4A-7A (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	12.56	13.00
CA_4A-[7A]-7A	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	4x4 MIMO	LTE B7	20	3350	2680	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.51	13.00
CA_4A-[7A]-7A	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	2x2 MIMO	LTE B7	20	3350	2680	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.52	13.00
CA_4A-[7A]-12A (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.51	13.00
CA_[7A]-46C (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	12.55	13.00
CA_[7A]-46D (1)	LTE B7	20	20850	2510	64QAM	1	99	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	12.60	13.00

Table 87
Output Powers – Ant 4A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[7A]	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA_[7B]	LTE B7	15	20825	2507.5	64QAM	1	0	2825	2627.5	4x4 MIMO	LTE B7	5	2918	2636.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	13.98	14.28
CA_[7C] (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	4x4 MIMO	LTE B7	20	2944	2639.4	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA_[7A]-12A	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA_[7A]-46A (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA_[7A]-66A	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA_7A-[66A]	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA_[4A]-4A-7A (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	14.30	14.30
CA_4A-[7A]-7A	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	4x4 MIMO	LTE B7	20	3350	2680	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_4A-[7A]-7A	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	2x2 MIMO	LTE B7	20	3350	2680	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.29	14.30
CA_4A-[7A]-12A (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.30	14.30
CA_[7A]-46C (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	14.28	14.30
CA_[7A]-46D (1)	LTE B7	10	20800	2505	QPSK	1	49	2800	2625	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	14.26	14.30

Table 88
Output Powers – Ant 4B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_5A-[7A]	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.00	12.30
CA_[7B]	LTE B7	15	21100	2535	QPSK	1	0	3100	2655	4x4 MIMO	LTE B7	5	3007	2645.7	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.26	12.30
CA_[7C] (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	4x4 MIMO	LTE B7	20	3048	2649.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.01	12.30
CA_[7A]-12A	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.95	12.30
CA_[7A]-46A (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.03	12.30
CA_[7A]-66A	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.04	12.30
CA_7A-[66A]	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.97	12.30
CA_[4A]-4A-7A (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	11.98	12.30
CA_4A-[7A]-7A	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	4x4 MIMO	LTE B7	20	3350	2680	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	11.91	12.30
CA_4A-[7A]-7A	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	2x2 MIMO	LTE B7	20	3350	2680	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	11.93	12.30
CA_4A-[7A]-12A (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	11.97	12.30
CA_[7A]-46C (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	11.87	12.30
CA_[7A]-46D (1)	LTE B7	20	20850	2510	16QAM	1	50	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	LTE B46	20	50863	5557.3	2x2 MIMO	11.83	12.30

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1.4.14 **LTE Band 41 as PCC**

Table 89
Output Powers – Ant 2A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[41A]-41A (1)	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	4x4 MIMO	LTE B41	20	39750	2506	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	16.64	17.50
CA_41A-[41A] (1)	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	2x2 MIMO	LTE B41	20	39750	2506	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	17.50	17.50
CA_[41A]-41C	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	16.67	17.50
CA_41A-[41C]	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	17.50	17.50
CA_41C-[41A]	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	2x2 MIMO	LTE B41	20	40818	2612.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	17.49	17.50
CA_[41C]-41A	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	4x4 MIMO	LTE B41	20	40818	2612.8	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	16.75	17.50
CA_[41A]-41D	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	4x4 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	16.65	17.50
CA_41D-[41A]	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	2x2 MIMO	LTE B41	20	40422	2573.2	2x2 MIMO	LTE B41	20	40818	2612.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	17.48	17.50

Table 90
Output Powers – Ant 2B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[41A]-41A (1)	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.58	15.58
CA_41A-[41A] (1)	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	15.56	15.58
CA_[41A]-41C	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	15.58	15.58
CA_41A-[41C]	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	15.58	15.58
CA_41C-[41A]	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41	20	39948	2525.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	15.57	15.58
CA_[41C]-41A	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	39948	2525.8	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	15.45	15.58
CA_[41A]-41D	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	15.57	15.58
CA_41D-[41A]	LTE B41	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41	20	39948	2525.8	2x2 MIMO	LTE B41	20	40146	2545.6	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	15.54	15.58

Table 91
Output Powers – Ant 4A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[41A]-41A (1)	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	4x4 MIMO	LTE B41	20	39750	2506	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	17.26	17.30
CA_41A-[41A] (1)	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	2x2 MIMO	LTE B41	20	39750	2506	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	17.26	17.30
CA_[41A]-41C	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	17.28	17.30
CA_41A-[41C]	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	17.30	17.30
CA_41C-[41A]	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	2x2 MIMO	LTE B41	20	40818	2612.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	17.29	17.30
CA_[41C]-41A	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	4x4 MIMO	LTE B41	20	40818	2612.8	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	17.26	17.30
CA_[41A]-41D	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	4x4 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	17.29	17.30
CA_41D-[41A]	LTE B41	20	40620	2593	16QAM	1	99	40620	2593	2x2 MIMO	LTE B41	20	40422	2573.2	2x2 MIMO	LTE B41	20	40818	2612.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	17.26	17.30

Table 92
Output Powers – Ant 4B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[41A]-41A (1)	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	16.19	16.20
CA_41A-[41A] (1)	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	16.20	16.20
CA_[41A]-41C	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	16.14	16.20
CA_41A-[41C]	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	16.13	16.20
CA_41C-[41A]	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41	20	39948	2525.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	16.19	16.20
CA_[41C]-41A	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41	20	39948	2525.8	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	16.16	16.20
CA_[41A]-41D	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	16.16	16.20
CA_41D-[41A]	LTE B41	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41	20	39948	2525.8	2x2 MIMO	LTE B41	20	40146	2545.6	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	16.16	16.20

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1.4.15 LTE Band 41 PC2 as PCC

Table 93
Output Powers – Ant 2A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[41A]-41A (1)	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	17.50	17.50
CA_41A-[41A] (1)	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	17.50	17.50
CA_[41A]-41C	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	17.50	17.50
CA_41A-[41C]	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	17.50	17.50
CA_41C-[41A]	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	17.44	17.50
CA_[41C]-41A	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	39948	2525.8	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	17.50	17.50
CA_[41A]-41D	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41094	2640.4	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	17.48	17.50
CA_41D-[41A]	LTE B41 PC2	20	39750	2506	16QAM	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	40146	2545.6	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	17.50	17.50

Table 94
Output Powers – Ant 2B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[41A]-41A (1)	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.57	15.60
CA_41A-[41A] (1)	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	15.59	15.60
CA_[41A]-41C	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	15.54	15.60
CA_41A-[41C]	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	15.60	15.60
CA_41C-[41A]	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	15.55	15.60
CA_[41C]-41A	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	39948	2525.8	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	15.56	15.60
CA_[41A]-41D	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41094	2640.4	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	15.54	15.60
CA_41D-[41A]	LTE B41 PC2	20	39750	2506	QPSK	1	99	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	40146	2545.6	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	15.60	15.60

Table 95
Output Powers – Ant 4A

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[41A]-41A (1)	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	17.30	17.30
CA_41A-[41A] (1)	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	17.30	17.30
CA_[41A]-41C	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	17.30	17.30
CA_41A-[41C]	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	17.27	17.30
CA_41C-[41A]	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	17.30	17.30
CA_[41C]-41A	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	39948	2525.8	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	17.26	17.30
CA_[41A]-41D	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41094	2640.4	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	17.28	17.30
CA_41D-[41A]	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	40146	2545.6	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	17.28	17.30

Table 96
Output Powers – Ant 4B

	PCC										SCC 1					SCC 2					SCC 3					Power	
Combination	PCC Band	PCC BW [MHz]	PCC (UL) Ch.	PCC (UL) Freq. [MHz]	Mod.	PCC UL# RB	PCC UL RB Offset	PCC (DL) Ch.	PCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	SCC Band	SCC BW [MHz]	SCC (DL) Ch.	SCC (DL) Freq. [MHz]	DL Ant. Config.	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_[41A]-41A (1)	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	16.20	16.20
CA_41A-[41A] (1)	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	16.20	16.20
CA_[41A]-41C	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	16.20	16.20
CA_41A-[41C]	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	16.20	16.20
CA_41C-[41A]	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	16.17	16.20
CA_[41C]-41A	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	39948	2525.8	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	16.19	16.20
CA_[41A]-41D	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41094	2640.4	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	16.20	16.20
CA_41D-[41A]	LTE B41 PC2	20	39750	2506	QPSK	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	39948	2525.8	2x2 MIMO	LTE B41 PC2	20	40146	2545.6	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	16.20	16.20

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1.5 Downlink Carrier Aggregation with CA_41C and & CA_7C Uplink Carrier Aggregation enabled

This device supports uplink carrier aggregation (ULCA) for CA_41C with additional Carrier Aggregation configurations active in the downlink. Power measurements were performed with ULCA CA_41C active and additional CA configurations active in the downlink for the configuration required for ULCA CA_41C per Fall 2017 TCB Workshop Notes.

Per FCC Guidance, additional SAR measurements for these configurations were not required since their maximum output power was not more than 0.25 dB higher than the maximum output power for ULCA with only CA_41C active.

1.5.1 DL Carrier Aggregation RF Conducted Powers

Table 97
Output Powers – Ant 2A

Combination	PCC							SCC1							SCC2				SCC3				SCC4				Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_41C-41A	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	17.12	17.12
CA_41D	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	-	-	-	-	-	-	-	-	17.11	17.12
CA_41E	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	-	-	-	-	17.13	17.12
CA_41C-41C	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	17.12	17.12
CA_41D-41A	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	LTE B41	20	41490	2680	-	-	-	-	17.10	17.12
CA_41C-41D	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	17.14	17.12
CA_41D-41C	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	17.15	17.12

Table 98
Output Powers – Ant 2B

Combination	PCC							SCC1							SCC2				SCC3				SCC4				Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_41C-41A	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	15.36	15.39
CA_41D	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40146	2545.6	-	-	-	-	-	-	-	-	15.39	15.39
CA_41E	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40146	2545.6	LTE B41	20	40344	2565.4	-	-	-	-	15.38	15.39
CA_41C-41C	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	15.40	15.39
CA_41D-41A	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40146	2545.6	LTE B41	20	41490	2680	-	-	-	-	15.39	15.39
CA_41C-41D	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	15.41	15.39
CA_41D-41C	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40146	2545.6	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	15.37	15.39

Table 99
Output Powers – Ant 4A

Combination	PCC							SCC1							SCC2				SCC3				SCC4				Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_41C-41A	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	17.10	17.12
CA_41D	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40146	2545.6	-	-	-	-	-	-	-	-	17.12	17.12
CA_41E	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40146	2545.6	LTE B41	20	40344	2565.4	-	-	-	-	17.11	17.12
CA_41C-41C	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	17.13	17.12
CA_41D-41A	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40146	2545.6	LTE B41	20	41490	2680	-	-	-	-	17.14	17.12
CA_41C-41D	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	17.15	17.12
CA_41D-41C	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	LTE B41	20	40146	2545.6	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	17.11	17.12

Table 100
Output Powers – Ant 4B

Combination	PCC							SCC1							SCC2				SCC3				SCC4				Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_41C-41A	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	15.53	15.54
CA_41D	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	-	-	-	-	-	-	-	-	15.55	15.54
CA_41E	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	-	-	-	-	15.57	15.54
CA_41C-41C	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	15.54	15.54
CA_41D-41A	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	LTE B41	20	41490	2680	-	-	-	-	15.53	15.54
CA_41C-41D	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	15.56	15.54
CA_41D-41C	LTE B41	20	40185	2549.5	QPSK	1	0	LTE B41	20	39987	2529.7	QPSK	1	99	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	15.54	15.54

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1.5.2 DL Carrier Aggregation with DL 4x4 MIMO RF Conducted Powers

Note: 4x4 DL MIMO is only operating in the downlink. Uplink transmission is limited to a single output stream for each component carrier of ULCA CA_41C or ULCA CA_7C.

1.5.2.1 LTE Band 41

Table 101
Output Powers – Ant 2A

Combination	PCC								SCC1								SCC2					SCC3					Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_[41C] (1)	LTE B41	20	40185	2549.5	QPSK	1	0	4x4 MIMO	LTE B41	20	39987	2660.2	QPSK	1	99	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	17.10	17.12
CA_41C-[41A]	LTE B41	20	40185	2549.5	QPSK	1	0	2x2 MIMO	LTE B41	20	39987	2660.2	QPSK	1	99	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	17.11	17.12
CA_[41C]-41A	LTE B41	20	40185	2549.5	QPSK	1	0	4x4 MIMO	LTE B41	20	39987	2660.2	QPSK	1	99	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	17.13	17.12
CA_41D-[41A]	LTE B41	20	40185	2549.5	QPSK	1	0	2x2 MIMO	LTE B41	20	39987	2660.2	QPSK	1	99	2x2 MIMO	LTE B41	20	41094	2640.4	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	17.12	17.12

Table 102
Output Powers – Ant 2B

Combination	PCC								SCC1								SCC2					SCC3					Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_[41C] (1)	LTE B41	20	39750	2506	QPSK	1	99	4x4 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	15.41	15.39
CA_41C-[41A]	LTE B41	20	39750	2506	QPSK	1	99	2x2 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	15.43	15.39
CA_[41C]-41A	LTE B41	20	39750	2506	QPSK	1	99	4x4 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	15.42	15.39
CA_41D-[41A]	LTE B41	20	39750	2506	QPSK	1	99	2x2 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	2x2 MIMO	LTE B41	20	40146	2545.6	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	15.45	15.39

Table 103
Output Powers – Ant 4A

Combination	PCC								SCC1								SCC2					SCC3					Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_[41C] (1)	LTE B41	20	39750	2506	QPSK	1	99	4x4 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	17.17	17.12
CA_41C-[41A]	LTE B41	20	39750	2506	QPSK	1	99	2x2 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	17.19	17.12
CA_[41C]-41A	LTE B41	20	39750	2506	QPSK	1	99	4x4 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	17.18	17.12
CA_41D-[41A]	LTE B41	20	39750	2506	QPSK	1	99	2x2 MIMO	LTE B41	20	39948	2525.8	QPSK	1	0	2x2 MIMO	LTE B41	20	40146	2545.6	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	17.17	17.12

Table 104
Output Powers – Ant 4B

Combination	PCC								SCC1								SCC2					SCC3					Power	
	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_[41C] (1)	LTE B41	20	40185	2549.5	QPSK	1	0	4x4 MIMO	LTE B41	20	39987	2529.7	QPSK	1	99	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	15.57	15.54
CA_41C-[41A]	LTE B41	20	40185	2549.5	QPSK	1	0	2x2 MIMO	LTE B41	20	39987	2529.7	QPSK	1	99	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	15.59	15.54
CA_[41C]-41A	LTE B41	20	40185	2549.5	QPSK	1	0	4x4 MIMO	LTE B41	20	39987	2529.7	QPSK	1	99	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	15.61	15.54
CA_41D-[41A]	LTE B41	20	40185	2549.5	QPSK	1	0	2x2 MIMO	LTE B41	20	39987	2529.7	QPSK	1	99	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	15.58	15.54

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1.5.2.2 LTE Band 7

Table 105
Output Powers – Ant 2A

	PCC										SCC										Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_[7C] (1)	LTE B7	20	21350	2560.0	3350	2680.0	QPSK	50	0	4x4 MIMO	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	50	50	4x4 MIMO	14.08	14.02

Table 106
Output Powers – Ant 2B

	PCC										SCC										Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_[7C] (1)	LTE B7	20	21100	2535.0	3100	2655.0	QPSK	50	0	4x4 MIMO	LTE B7	20	20902	2515.2	2902	2635.2	QPSK	50	50	4x4 MIMO	12.99	12.88

Table 107
Output Powers – Ant 4A

	PCC										SCC										Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_[7C] (1)	LTE B7	20	21350	2560.0	3350	2680.0	QPSK	1	0	4x4 MIMO	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	1	99	4x4 MIMO	14.20	14.06

Table 108
Output Powers – Ant 4B

	PCC										SCC										Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	DL Ant. Config.	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC DL Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	DL Ant. Config.	ULCA Tx. Power with add'l CA configuration active in DL (dBm)	ULCA Tx. Power (dBm)
CA_[7C] (1)	LTE B7	20	21350	2560.0	3350	2680.0	QPSK	1	0	4x4 MIMO	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	1	99	4x4 MIMO	12.18	12.05

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