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.

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):

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

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.

Measurement Certificate / Material Test

Item Name	**Body Tissue Simulating Liquid (MSL750V2)**
Product No.	SL AAM 075 AA (Batch: 150518-2)
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.

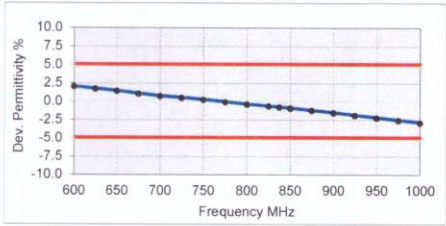
Test Condition

Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	22ºC
Test Date	20-Apr-16
Operator	WM

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	57.2	24.76	0.83	56.1	0.95	2.0	-13.2
625	57.0	24.43	0.85	56.0	0.95	1.7	-11.0
650	56.7	24.11	0.87	55.9	0.96	1.4	-8.8
675	56.4	23.82	0.89	55.8	0.96	1.1	-6.6
700	56.1	23.53	0.92	55.7	0.96	0.7	-4.5
725	55.9	23.32	0.94	55.6	0.96	0.5	-2.2
750	**55.7**	**23.12**	**0.96**	**55.5**	**0.96**	**0.2**	**0.1**
775	55.4	22.93	0.99	55.4	0.97	-0.1	2.4
800	55.1	22.73	1.01	55.3	0.97	-0.4	4.6
825	54.9	22.59	1.04	55.2	0.98	-0.7	6.0
838	54.8	22.52	1.05	55.2	0.98	-0.8	6.7
850	54.6	22.45	1.06	55.2	0.99	-0.9	7.4
875	54.4	22.32	1.09	55.1	1.02	-1.2	6.6
900	54.1	22.19	1.11	55.0	1.05	-1.6	5.8
925	53.9	22.09	1.14	55.0	1.06	-1.9	6.9
950	53.7	21.98	1.16	54.9	1.08	-2.2	8.0
975	53.5	21.91	1.19	54.9	1.09	-2.6	9.3
1000	53.2	21.83	1.21	54.8	1.10	-2.9	10.6



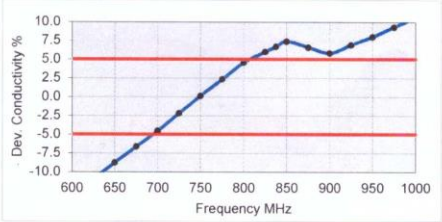


Figure D-2
750MHz Body Tissue Equivalent Matter

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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
AM5	750	4/24/2018	7490	EX3DV4	750	Body	0.940	57.400	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
AM3	1900	2/6/2018	3288	ES3DV3	1900	Body	1.519	51.097	PASS	PASS	PASS	GMSK	PASS	N/A
AM6	1900	4/3/2018	3131	ES3DV3	1900	Body	1.555	51.277	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
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 Target Power [dBm] (Tolerance [dB])	Reduced Target Power [dBm] (Tolerance [dB])	Conducted Power [dBm]			Verdict
			Maximum	Test Case 1	Test Case 2	
GPRS 850 (2 Tx)	28.50 (±0.75)	26.95 (±0.75)	28.47	26.81	26.83	PASS
GPRS 1900 (2 Tx)	27.50 (±0.75)	20.55 (±0.75)	27.68	20.69	20.68	PASS
WCDMA B5	23.25 (±0.50)	19.50 (±0.50)	23.42	19.64	19.57	PASS
WCDMA B4	25.00 (±0.50)	14.25 (±0.50)	25.20	14.28	14.27	PASS
WCDMA B2	25.00 (±0.50)	13.70 (±0.50)	25.01	13.56	13.67	PASS
LTE Band 12	25.00 (±0.50)	19.50 (±0.50)	25.31	19.65	19.52	PASS
LTE Band 17	23.25 (±0.50)	19.20 (±0.50)	23.22	19.17	19.28	PASS
LTE Band 14	25.00 (±0.50)	20.80 (±0.50)	24.84	20.61	20.65	PASS
LTE Band 13	23.25 (±0.50)	20.80 (±0.50)	23.51	20.61	20.55	PASS
LTE Band 5	25.00 (±0.50)	20.90 (±0.50)	25.02	20.88	20.86	PASS
LTE Band 26	23.25 (±0.50)	19.80 (±0.50)	23.03	19.38	19.42	PASS
LTE Band 4	21.50 (±0.50)	14.20 (±0.50)	21.90	14.58	14.65	PASS
LTE Band 66	21.50 (±0.50)	14.20 (±0.50)	21.62	14.39	14.42	PASS
LTE Band 2	22.00 (±0.50)	13.20 (±0.50)	22.23	13.27	13.24	PASS
LTE Band 25	21.50 (±0.50)	13.50 (±0.50)	21.49	13.48	13.46	PASS
LTE Band 25	22.00 (±0.50)	13.20 (±0.50)	22.12	13.29	13.26	PASS
LTE Band 25	24.00 (±0.50)	14.80 (±0.50)	24.50	15.21	15.26	PASS
LTE Band 30	23.00 (±0.50)	13.00 (±0.50)	23.18	13.29	13.04	PASS
LTE Band 7	23.50 (±0.50)	11.50 (±0.50)	23.59	11.61	11.52	PASS
LTE Band 41	26.50 (±0.50)	14.50 (±0.50)	26.78	14.64	14.64	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		3CC #1
2CC #3	CA_2A-13A	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		3CC #1
2CC #9	CA_2A-71A	5, 10, 15, 20	5, 10, 15, 20		3CC #10
2CC #10	CA_4A-5A	5, 10, 15, 20	5, 10, 15, 20		3CC #5
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		3CC #1
2CC #16	CA_5A-22A	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	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		3CC #1
3CC #17	CA_5B-66A	5, 10	5, 10	5, 10, 15, 20		3CC #1
3CC #18	CA_5A-30A-66A	5, 10	5, 10	5, 10, 15, 20		3CC #9
3CC #19	CA_12A-66C	5, 10	5, 10, 15, 20	5, 10, 15, 20		No
3CC #20	CA_66A-66A-66A	5, 10	5, 10, 15, 20	5, 10, 15, 20		3CC #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		3CC #1
4CC #6	CA_2A-5B-66A	5, 10, 15, 20	5, 10	5, 10	5, 10, 15, 20		3CC #1
4CC #7	CA_5B-30A-66A	5, 10	5, 10	5, 10	5, 10		3CC #1
4CC #8	CA_5B-66A-66A	5, 10	5, 10	5, 10, 15, 20	5, 10, 15, 20		3CC #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		4CC #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

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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.

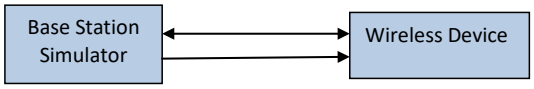

Figure 1
DL CA Power Measurement Setup

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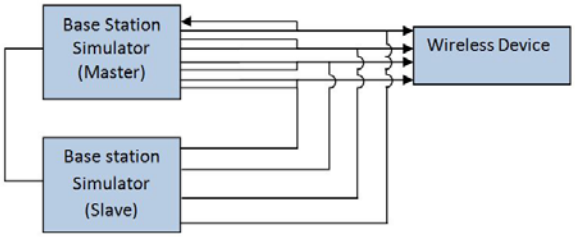

Figure 2
DL CA with DL 4x4 MIMO Power Measurement Setup

1.3 Downlink Carrier Aggregation RF Conducted Powers

1.3.1 LTE Band 12 as PCC

Table 1
Reduced 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	25	5095	737.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	19.67	19.70
CA_4A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	19.68	19.70
CA_4A-12A (2)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	19.68	19.70
CA_12A-66A (1)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	19.70	19.70
CA_12A-66A (2)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	19.70	19.70
CA_2C-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	19.68	19.70
CA_4A-7A-12A (1)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B4	20	2175	2132.5	LTE B7	20	3100	2655	-	-	-	-	19.66	19.70
CA_2A-2A-12B	LTE B12	5	23095	707.5	64QAM	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B2	20	900	1960	LTE B2	20	700	1940	19.58	19.66
CA_2A-2A-4A-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	19.65	19.70
CA_2A-4A-4A-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.63	19.70
CA_2A-4A-12B	LTE B12	5	23095	707.5	64QAM	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	19.63	19.66
CA_2A-2A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	25	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	25	5095	737.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	19.66	19.70
CA_2A-12A-66A-66A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.66	19.70
CA_2A-12A-66C	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	19.64	19.70
CA_2A-4A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	25	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	25	5095	737.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	19.66	19.70
CA_4A-4A-12B	LTE B12	5	23095	707.5	64QAM	1	0	5095	737.5	LTE B12	5	5047	732.7	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.62	19.66
CA_4A-4A-12A-30A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	19.62	19.70
CA_12A-30A-66A-66A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.65	19.70

Table 2
Reduced 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	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	19.99	20.00
CA_4A-12A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	19.86	20.00
CA_4A-12A (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	19.97	20.00
CA_12A-66A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	19.93	20.00
CA_12A-66A (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	19.94	20.00
CA_2C-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	20.00	20.00
CA_4A-7A-12A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	LTE B7	20	3100	2655	-	-	-	-	20.00	20.00
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	19.98	20.00
CA_2A-2A-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	20.00	20.00
CA_2A-4A-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	19.90	20.00
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	19.96	20.00
CA_2A-2A-12A-30A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	19.87	20.00
CA_2A-2A-12A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	19.96	20.00
CA_2A-12A-66A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	19.85	20.00
CA_2A-12A-66C	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	20.00	20.00
CA_2A-4A-12A-30A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	20.00	20.00
CA_2A-12A-30A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	20.00	20.00
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	20.00	20.00
CA_4A-4A-12A-30A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	19.89	20.00
CA_12A-30A-66A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	20.00	20.00

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1.3.2 LTE Band 17 as PCC

Table 3
Reduced 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	25	5790	740	LTE B2	10	900	1960	19.70	19.70
CA_4A-17A	LTE B17	10	23790	710	QPSK	1	25	5790	740	LTE B4	10	2175	2132.5	19.69	19.70

Table 4
Reduced 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	5	23755	706.5	16QAM	1	12	5755	736.5	LTE B2	10	900	1960	20.00	20.00
CA_4A-17A	LTE B17	5	23755	706.5	16QAM	1	12	5755	736.5	LTE B4	10	2175	2132.5	19.90	20.00

1.3.3 LTE Band 13 as PCC

Table 5
Reduced 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	-	-	-	-	-	-	-	-	21.28	21.30
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	-	-	-	-	-	-	-	-	21.29	21.30
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	-	-	-	-	-	-	-	-	21.26	21.30
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	-	-	-	-	-	-	-	-	21.30	21.30
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	-	-	-	-	21.28	21.30
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	-	-	-	-	21.26	21.30
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	-	-	-	-	21.27	21.30
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	-	-	-	-	21.24	21.30
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	-	-	-	-	21.26	21.30
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	-	-	-	-	21.24	21.30
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	-	-	-	-	21.25	21.30
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	-	-	-	-	21.29	21.30
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	21.21	21.30
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	21.20	21.30
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	21.19	21.30

Table 6
Reduced 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	1	49	5230	751	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	21.20	21.30
CA_2A-13A-46A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	21.30	21.30
CA_4A-4A-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	-	-	-	-	21.22	21.30
CA_13A-46A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	21.30	21.30
CA_2A-13A-46C	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	21.23	21.30
CA_2A-2A-13A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	21.20	21.30
CA_2A-13A-66A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	21.22	21.30
CA_2A-13A-66B	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1960	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	21.24	21.30
CA_2A-13A-66C	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	21.22	21.30
CA_13A-66A-66B	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	-	-	-	-	21.26	21.30
CA_13A-66A-66C	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	-	-	-	-	21.26	21.30
CA_13A-46C-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	21.24	21.30
CA_2A-13A-46D	LTE B13	10	23230	782	QPSK	1	49	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	21.15	21.30
CA_13A-46E	LTE B13	10	23230	782	QPSK	1	49	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	21.21	21.30
CA_13A-46D-66A	LTE B13	10	23230	782	QPSK	1	49	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	21.26	21.30

1.3.4 LTE Band 14 as PCC

Table 7
Reduced 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	5	23330	793	16QAM	1	0	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	21.18	21.28
CA_2A-14A-66A-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.21	21.28
CA_2A-14A-30A-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	21.11	21.28
CA_14A-30A-66A-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.15	21.28

Table 8
Reduced 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	10	23330	793	QPSK	1	0	5330	763	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	21.24	21.30
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	21.24	21.30
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	21.25	21.30
CA_14A-30A-66A-66A	LTE B14	10	23330	793	QPSK	1	0	5330	763	LTE B30	20	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.24	21.30

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1.3.5 LTE Band 5 as PCC

Table 9
Reduced 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	16QAM	1	49	2525	881.5	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	20.28	20.30
CA_5A-25A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B25	20	8365	1962.5	-	-	-	-	-	-	-	-	-	-	-	-	20.29	20.30
CA_5A-41A	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B41	20	40620	2593	-	-	-	-	-	-	-	-	-	-	-	-	20.30	20.30
CA_5A-46A (1)	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	20.30	20.30
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	-	-	-	-	-	-	-	-	20.23	20.30
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	-	-	-	-	-	-	-	-	20.20	20.30
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	-	-	-	-	20.19	20.30
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	-	-	-	-	20.20	20.30
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	-	-	-	-	20.15	20.30
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	-	-	-	-	20.21	20.30
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	-	-	-	-	20.18	20.30
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	-	-	-	-	20.17	20.30
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	-	-	-	-	20.23	20.30
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	-	-	-	-	20.16	20.30
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	-	-	-	-	20.17	20.30
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	-	-	-	-	20.21	20.30
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	-	-	-	-	20.15	20.30
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	-	-	-	-	20.19	20.30
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	-	-	-	-	20.20	20.30
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	-	-	-	-	20.22	20.30
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	-	-	-	-	20.17	20.30
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	19.87	20.30
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	19.98	20.30
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	19.97	20.30
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	19.91	20.30
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	19.85	20.30
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	19.88	20.30

Table 10
Reduced 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	3	20525	836.5	64QAM	1	7	2525	881.5	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	21.40	21.38
CA_5A-25A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B25	20	8365	1962.5	-	-	-	-	-	-	-	-	-	-	-	-	21.40	21.38
CA_5A-41A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B41	20	40620	2593	-	-	-	-	-	-	-	-	-	-	-	-	21.40	21.38
CA_5A-46A (1)	LTE B5	3	20525	836.5	64QAM	1	7	2525	881.5	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	-	-	-	-	21.39	21.39
CA_2C-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	21.40	21.38
CA_5A-46C (1)	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	-	-	-	-	21.38	21.38
CA_2A-2A-4A-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	-	-	-	-	21.38	21.38
CA_2A-4A-4A-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	21.38	21.38
CA_2A-4A-5B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	-	-	-	-	21.35	21.38
CA_2A-2A-5A-30A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	-	-	-	-	21.33	21.38
CA_2A-2A-5A-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	21.35	21.38
CA_2A-5A-66A-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	21.39	21.38
CA_2A-4A-5A-30A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B30	10	9820	2355	-	-	-	-	21.40	21.38
CA_2A-5A-30A-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	21.38	21.38
CA_4A-4A-5B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B5	5	2453	874.3	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	21.40	21.38
CA_4A-4A-5A-30A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B30	10	9820	2355	-	-	-	-	21.29	21.38
CA_5A-46D (1)	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	-	-	-	-	21.38	21.38
CA_5A-66D	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	LTE B66	20	66588	2125.2	-	-	-	-	21.40	21.38
CA_5A-66A-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	-	-	-	-	21.39	21.38
CA_5A-66A-66C	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	-	-	-	-	21.30	21.38
CA_5A-30A-66A-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	21.34	21.38
CA_2A-2A-5A-66B	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	21.28	21.38
CA_2A-2A-5A-66C	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	21.30	21.38
CA_2A-5B-66A-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B5	5	2453	874.3	LTE B2	20	900	1960	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.30	21.38
CA_2A-5B-66C	LTE B5	10	20525	836.5	16QAM	1	25	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	21.23	21.38
CA_2A-5B-30A-66A	LTE B5	10	20525	836.5	16QAM	1	25	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	21.38
CA_5B-30A-66A-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	LTE B66	20	67236	2190	21.38	21.38

1.3.6 LTE Band 26 as PCC

Table 11
Reduced 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	25	8740	864	LTE B25	20	8365	1962.5	-	-	-	-	20.27	20.30
CA_25A-25A-26A	LTE B26	5	26715	816.5	16QAM	1	24	8715	861.5	LTE B25	20	8365	1962.5	LTE B25	20	8590	1985	20.26	20.28

Table 12
Reduced 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	10	26740	819	QPSK	1	25	8740	864	LTE B25	20	8365	1962.5	-	-	-	-	21.31	21.40
CA_25A-25A-26A	LTE B26	5	26715	816.5	64QAM	1	24	8715	861.5	LTE B25	20	8365	1962.5	LTE B25	20	8590	1985	21.30	21.39

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1.3.7 LTE Band 4 as PCC

Table 13
Reduced 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	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.59	14.70
CA_4A-12A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.70	14.70
CA_4A-12A (2)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.63	14.70
CA_4A-17A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	14.70	14.68
CA_4A-29A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.69	14.68
CA_2A-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.70	14.70
CA_4A-4A-7A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	14.70	14.70
CA_4A-7A-7A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	-	-	-	-	-	-	14.70	14.70
CA_4A-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.70	14.70
CA_4A-4A-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.69	14.70
CA_4A-46A-46A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.66	14.70
CA_4A-7A-12A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B7	20	3100	2655	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.70	14.70
CA_2A-2A-4A-4A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.66	14.70
CA_2A-2A-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.68	14.70
CA_2A-4A-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.60	14.70
CA_2A-4A-5B	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.70	14.70
CA_2A-2A-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.70	14.70
CA_2A-4A-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.70	14.70
CA_2A-4A-12B	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.70	14.70
CA_2A-4A-5A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.67	14.70
CA_2A-4A-12A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.68	14.70
CA_2A-4A-29A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.68	14.70
CA_4A-4A-5B	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.65	14.70
CA_4A-4A-12B	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.70	14.70
CA_4A-46A-46C	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.67	14.70
CA_4A-4A-5A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.69	14.70
CA_4A-4A-12A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.70	14.70
CA_4A-46A-46D	LTE B4	20	20050	1720	QPSK	1	99	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	14.60	14.70

Table 14
Reduced 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	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA_4A-12A (1)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA_4A-12A (2)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA_4A-17A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA_4A-29A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.22	14.30
CA_2A-4A-13A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.26	14.30
CA_4A-7A-7A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	-	-	-	-	-	-	14.20	14.30
CA_4A-4A-13A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.26	14.30
CA_4A-4A-29A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.23	14.30
CA_4A-46A-46A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.23	14.30
CA_4A-7A-12A (1)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B7	20	3100	2655	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.26	14.30
CA_2A-2A-4A-4A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.30	14.30
CA_2A-2A-4A-5A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.26	14.30
CA_2A-4A-4A-5A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.20	14.30
CA_2A-4A-5B	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.26	14.30
CA_2A-2A-4A-12A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.22	14.30
CA_2A-4A-4A-12A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.25	14.30
CA_2A-4A-12B	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.22	14.30
CA_2A-4A-5A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.22	14.30
CA_2A-4A-12A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.25	14.30
CA_2A-4A-29A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.25	14.30
CA_4A-4A-5B	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.23	14.30
CA_4A-4A-12B	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.30	14.30
CA_4A-46A-46C	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.23	14.30
CA_4A-4A-5A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.23	14.30
CA_4A-4A-12A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.23	14.30
CA_4A-46A-46D	LTE B4	20	20050	1720	16QAM	1	99	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	14.24	14.30

Table 15
Reduced 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	QPSK	1	99	2050	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA_4A-12A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA_4A-12A (2)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.99	15.00
CA_4A-17A	LTE B4	10	20300	1745	64QAM	1	49	2300	2145	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	14.92	14.98
CA_4A-29A	LTE B4	10	20300	1745	64QAM	1	49	2300	2145	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.95	14.98
CA_2A-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	15.00	15.00
CA_4A-4A-7A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	14.97	15.00
CA_4A-7A-7A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	-	-	-	-	-	-	15.00	15.00
CA_4A-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	15.00	15.00
CA_4A-4A-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.96	15.00
CA_4A-46A-46A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.81	15.00
CA_4A-7A-12A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B7	20	3100	2655	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.96	15.00
CA_2A-2A-4A-4A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	15.00	15.00
CA_2A-2A-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.98	15.00
CA_2A-4A-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	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	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.95	15.00
CA_2A-2A-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.99	15.00
CA_2A-4A-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.92	15.00
CA_2A-4A-12B	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	15.00	15.00
CA_2A-4A-5A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	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	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.95	15.00
CA_2A-4A-29A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.93	15.00
CA_4A-4A-5B	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	15.00	15.00
CA_4A-4A-12B	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.96	15.00
CA_4A-46A-46C	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.99	15.00
CA_4A-4A-5A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	15.00	15.00
CA_4A-4A-12A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.93	15.00
CA_4A-46A-46D	LTE B4	20	20050	1720	QPSK	1	99	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	14.97	15.00

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Table 16
Reduced 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	20	20050	1720	QPSK	1	0	2050	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.49	14.50
CA_4A-12A (1)	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.42	14.50
CA_4A-12A (2)	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.44	14.50
CA_4A-17A	LTE B4	5	20300	1745	16QAM	1	0	2300	2145	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	14.48	14.50
CA_4A-29A	LTE B4	5	20300	1745	16QAM	1	0	2300	2145	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.48	14.50
CA_2A-4A-13A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.49	14.50
CA_4A-4A-7A (1)	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	14.52	14.50
CA_4A-7A-7A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B7	20	3100	2655	LTE B7	20	2850	2630	-	-	-	-	-	-	-	-	14.51	14.50
CA_4A-4A-13A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.56	14.50
CA_4A-4A-29A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.50	14.50
CA_4A-46A-46A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.44	14.50
CA_4A-7A-12A (1)	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B7	20	3100	2655	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.55	14.50
CA_2A-2A-4A-4A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.45	14.50
CA_2A-2A-4A-5A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.46	14.50
CA_2A-4A-4A-5A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.44	14.50
CA_2A-4A-5B	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.45	14.50
CA_2A-2A-4A-12A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.42	14.50
CA_2A-4A-4A-12A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.45	14.50
CA_2A-4A-12B	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B2	20	900	1960	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.45	14.50
CA_2A-4A-5A-30A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.42	14.50
CA_2A-4A-29A-30A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.39	14.50
CA_4A-4A-5B	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.44	14.50
CA_4A-4A-12B	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.42	14.50
CA_4A-46A-46C	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.30	14.50
CA_4A-4A-5A-30A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.48	14.50
CA_4A-4A-12A-30A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	LTE B4	20	2300	2145	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.39	14.50
CA_4A-46A-46D	LTE B4	20	20050	1720	QPSK	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	14.44	14.50

1.3.8 LTE Band 66 as PCC

Table 17
Reduced 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	-	-	-	-	-	-	-	-	-	-	-	-	14.62	14.70
CA_7A-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	14.66	14.70
CA_12A-66A (1)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.67	14.70
CA_12A-66A (2)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.67	14.70
CA_2C-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.64	14.70
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	-	-	-	-	-	-	-	-	14.68	14.70
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	-	-	-	-	-	-	-	-	14.63	14.70
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	-	-	-	-	-	-	-	-	14.67	14.70
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	-	-	-	-	-	-	-	-	14.70	14.70
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	-	-	-	-	14.68	14.70
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	-	-	-	-	14.62	14.70
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	-	-	-	-	14.56	14.70
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	-	-	-	-	14.68	14.70
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	-	-	-	-	14.65	14.70
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	-	-	-	-	14.70	14.70
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	-	-	-	-	14.63	14.70
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	-	-	-	-	14.70	14.70
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	-	-	-	-	14.69	14.70
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	-	-	-	-	14.53	14.70
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	-	-	-	-	14.66	14.70
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	-	-	-	-	14.70	14.70
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	-	-	-	-	14.59	14.70
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	-	-	-	-	14.63	14.70
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	-	-	-	-	14.65	14.70
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	-	-	-	-	14.68	14.70
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	-	-	-	-	14.68	14.70
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	-	-	-	-	14.59	14.70
CA_5A-66D	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2139.6	LTE B5	10	2525	881.5	-	-	-	-	14.59	14.70
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	-	-	-	-	14.59	14.70
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	-	-	-	-	14.60	14.70
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	-	-	-	-	14.65	14.70
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	-	-	-	-	14.60	14.70
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	-	-	-	-	14.62	14.70
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	-	-	-	-	14.60	14.70
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	-	-	-	-	14.58	14.70
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	-	-	-	-	14.58	14.70
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	-	-	-	-	14.67	14.70
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	-	-	-	-	14.65	14.70
CA_5A-66B-66A	LTE B66	15	132047	1717.5	64QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B5	10	2525	881.5	LTE B5	10	2525	881.5	-	-	-	-	14.59	14.70
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	-	-	-	-	14.66	14.70
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	-	-	-	-	14.55	14.70
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	-	-	-	-	14.67	14.70
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	14.60	14.70
CA_2A-2A-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	14.57	14.70
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	14.20	14.70
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	14.44	14.70
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	14.55	14.70
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	14.54	14.70
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	14.57	14.70
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	14.58	14.70
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	14.56	14.70
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	14.58	14.70
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	14.53	14.70
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	14.61	14.70
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	14.56	14.70
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	14.28	14.70
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	14.56	14.70

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Table 18
Reduced 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	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA_7A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA_12A-66A (1)	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA_12A-66A (2)	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA_2C-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.26	14.30
CA_2A-46A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.23	14.30
CA_29A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.20	14.30
CA_46A-46A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.30	14.30
CA_46A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.30	14.30
CA_2A-2A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.26	14.30
CA_2A-2A-5A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.26	14.30
CA_2A-5A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.21	14.30
CA_2A-2A-12A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.25	14.30
CA_2A-12A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.26	14.30
CA_2A-12A-66C	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.30	14.30
CA_2A-2A-13A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B13	10	5230	751	-	-	-	-	14.23	14.30
CA_2A-13A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.26	14.30
CA_2A-13A-66B	LTE B66	15	132047	1717.5	16QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.21	14.30
CA_2A-13A-66C	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.26	14.30
CA_2A-2A-14A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	-	-	-	-	14.20	14.30
CA_2A-14A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B14	10	5330	763	-	-	-	-	14.23	14.30
CA_2A-2A-30A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	-	-	-	-	14.26	14.30
CA_2A-46C-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.23	14.30
CA_2A-5A-30A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.26	14.30
CA_2A-12A-30A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.23	14.30
CA_2A-14A-30A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.25	14.30
CA_2A-29A-30A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.30	14.30
CA_5A-66D	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2159.6	LTE B5	10	2525	881.5	-	-	-	-	14.26	14.30
CA_5A-66A-66B	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B5	10	2525	881.5	-	-	-	-	14.26	14.30
CA_5A-66A-66C	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.30	14.30
CA_5A-30A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.23	14.30
CA_12A-30A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.23	14.30
CA_13A-66A-66B	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B13	10	5230	751	-	-	-	-	14.25	14.30
CA_13A-66A-66C	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.23	14.30
CA_13A-46C-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.26	14.30
CA_14A-30A-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.26	14.30
CA_46A-46C-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.21	14.30
CA_46C-66A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.23	14.30
CA_5A-66B-66A	LTE B66	15	132047	1717.5	16QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.25	14.30
CA_5A-66C-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.22	14.30
CA_13A-66B-66A	LTE B66	15	132047	1717.5	16QAM	1	74	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.13	14.30
CA_13A-66C-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.19	14.30
CA_2A-2A-66A-66B	LTE B66	20	132072	1720	16QAM	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	14.24	14.30
CA_2A-2A-66A-66C	LTE B66	20	132072	1720	16QAM	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	14.25	14.30
CA_2A-2A-5A-66B	LTE B66	15	132047	1717.5	16QAM	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	14.16	14.30
CA_2A-2A-5A-66C	LTE B66	20	132072	1720	16QAM	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	14.22	14.30
CA_2A-5B-66A-66A	LTE B66	20	132072	1720	16QAM	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	14.24	14.30
CA_2A-5B-66C	LTE B66	20	132072	1720	16QAM	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	14.23	14.30
CA_2A-46D-66A	LTE B66	20	132072	1720	16QAM	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	14.24	14.30
CA_2A-5B-30A-66A	LTE B66	20	132072	1720	16QAM	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	14.24	14.30
CA_5B-30A-66A-66A	LTE B66	20	132072	1720	16QAM	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	14.22	14.30
CA_13A-46D-66A	LTE B66	20	132072	1720	16QAM	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	14.26	14.30
CA_46A-46D-66A	LTE B66	20	132072	1720	16QAM	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	14.27	14.30
CA_46E-66A	LTE B66	20	132072	1720	16QAM	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	14.24	14.30
CA_46D-66A-66A	LTE B66	20	132072	1720	16QAM	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	14.23	14.30
CA_2A-2A-66B-66A	LTE B66	15	132047	1717.5	16QAM	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	14.13	14.30
CA_2A-2A-66C-66A	LTE B66	20	132072	1720	16QAM	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	14.24	14.30

Table 19
Reduced 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	QPSK	1	99	66536	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA_7A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	14.88	15.00
CA_12A-66A (1)	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.92	15.00
CA_12A-66A (2)	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.92	15.00
CA_2C-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.98	15.00
CA_2A-46A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.89	15.00
CA_13A-46A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.92	15.00
CA_29A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.98	15.00
CA_46A-46A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.99	15.00
CA_46A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.95	15.00
CA_2A-2A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.90	15.00
CA_2A-2A-5A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.95	15.00
CA_2A-5A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	15.00	15.00
CA_2A-2A-12A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.98	15.00
CA_2A-12A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	15.00	15.00
CA_2A-12A-66C	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	15.00	15.00
CA_2A-2A-13A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B13	10	5230	751	-	-	-	-	14.95	15.00
CA_2A-13A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.86	15.00
CA_2A-13A-66B	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	LTE B66	5	66604	2126.8	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.99	14.98
CA_2A-13A-66C	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.92	15.00
CA_2A-2A-14A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	-	-	-	-	15.00	15.00
CA_2A-14A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B14	10	5330	763	-	-	-	-	15.00	15.00
CA_2A-2A-30A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	-	-	-	-	14.85	15.00
CA_2A-46C-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.98	15.00
CA_2A-5A-30A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	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	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.92	15.00
CA_2A-14A-30A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	15.00	15.00
CA_2A-29A-30A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.99	15.00
CA_5A-66D	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2159.6	LTE B5	10	2525	881.5	-	-	-	-	14.97	15.00
CA_5A-66A-66B	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B5	10	2525	881.5	-	-	-	-	14.98	15.00
CA_5A-66A-66C	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.98	15.00
CA_5A-30A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	15.00	15.00
CA_12A-30A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	15.00	15.00
CA_13A-66A-66B	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B13	10	5230	751	-	-	-	-	14.99	15.00
CA_13A-66A-66C	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.97	15.00
CA_13A-46C-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.98	15.00
CA_14A-30A-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	15.00	15.00
CA_46A-46C-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	15.00	15.00
CA_46C-66A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.96	15.00
CA_5A-66B-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.98	14.98
CA_5A-66C-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	15.00	15.00
CA_13A-66B-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.93	14.98
CA_13A-66C-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	15.00	15.00
CA_2A-2A-66A-66B	LTE B66	20	132072	1720	QPSK	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	14.91	15.00
CA_2A-2A-66A-66C	LTE B66	20	132072	1720	QPSK	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	14.93	15.00
CA_2A-2A-5A-66B	LTE B66	15	132047	1717.5	16QAM	1	36	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	14.63	14.98
CA_2A-2A-5A-66C	LTE B66	20	132072	1720	QPSK	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	14.90	15.00
CA_2A-5B-66A-66A	LTE B66	20	132072	1720	QPSK	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	14.92	15.00
CA_2A-5B-66C	LTE B66	20	132072	1720	QPSK	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	14.91	15.00
CA_2A-46D-66A	LTE B66	20	132072	1720	QPSK	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	14.90	15.00
CA_2A-5B-30A-66A	LTE B66	20	132072	1720	QPSK	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	14.92	15.00
CA_5B-30A-66A-66A	LTE B66	20	132072	1720	QPSK	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	14.94	15.00
CA_13A-46D-66A	LTE B66	20	132072	1720	QPSK	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	14.91	15.00
CA_46A-46D-66A	LTE B66	20	132072	1720	QPSK	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	14.93	15.00
CA_46E-66A	LTE B66	20	132072	1720	QPSK	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	14.96	15.00
CA_46D-66A-66A	LTE B66	20	132072	1720	QPSK	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	14.90	15.00
CA_2A-2A-66B-66A	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	LTE B66	5	66604	2126.8	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.64	14.98
CA_2A-2A-66C-66A	LTE B66	20	132072	1720	QPSK	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	14.91	15.00

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Table 20
Reduced 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	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	-	-	-	-	-	-	-	-	-	-	-	-	14.48	14.50
CA_7A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B7	20	3100	2655	-	-	-	-	-	-	-	-	-	-	-	-	14.50	14.50
CA_12A-66A (1)	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.49	14.50
CA_12A-66A (2)	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.49	14.50
CA_2C-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	14.50	14.50
CA_2A-46A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.49	14.50
CA_13A-46A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.48	14.50
CA_29A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.46	14.50
CA_46A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.46	14.50
CA_46A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.50	14.50
CA_2A-2A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	-	-	-	-	14.45	14.50
CA_2A-2A-5A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	14.45	14.50
CA_2A-5A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B5	10	2525	881.5	-	-	-	-	14.43	14.50
CA_2A-2A-12A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	14.44	14.50
CA_2A-12A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.50	14.50
CA_2A-12A-66C	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B12	10	5095	737.5	-	-	-	-	14.46	14.50
CA_2A-2A-13A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B13	10	5230	751	-	-	-	-	14.33	14.50
CA_2A-13A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.47	14.50
CA_2A-13A-66B	LTE B66	15	132322	1745	16QAM	1	0	66786	2145	LTE B66	5	66693	2135.7	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.50	14.50
CA_2A-13A-66C	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B2	20	900	1960	LTE B13	10	5230	751	-	-	-	-	14.43	14.50
CA_2A-2A-14A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B14	10	5330	763	-	-	-	-	14.42	14.50
CA_2A-14A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B14	10	5330	763	-	-	-	-	14.35	14.50
CA_2A-2A-30A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B30	10	9820	2355	-	-	-	-	14.48	14.50
CA_2A-46C-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.45	14.50
CA_2A-5A-30A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.42	14.50
CA_2A-12A-30A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.42	14.50
CA_2A-14A-30A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.45	14.50
CA_2A-29A-30A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.46	14.50
CA_5A-66D	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	66932	2159.6	LTE B5	10	2525	881.5	-	-	-	-	14.45	14.50
CA_5A-66A-66B	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B5	10	2525	881.5	-	-	-	-	14.48	14.50
CA_5A-66A-66C	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.44	14.50
CA_5A-30A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.47	14.50
CA_12A-30A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.41	14.50
CA_13A-66A-66B	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	LTE B13	10	5230	751	-	-	-	-	14.50	14.50
CA_13A-66A-66C	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.40	14.50
CA_13A-46C-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.50	14.50
CA_14A-30A-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B14	10	5330	763	LTE B30	10	9820	2355	-	-	-	-	14.45	14.50
CA_46A-46C-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.45	14.50
CA_46C-66A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	67236	2190	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.44	14.50
CA_5A-66B-66A	LTE B66	15	132322	1745	16QAM	1	0	66786	2145	LTE B66	5	66693	2135.7	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.46	14.50
CA_5A-66C-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B5	10	2525	881.5	-	-	-	-	14.50	14.50
CA_13A-66B-66A	LTE B66	15	132322	1745	16QAM	1	0	66786	2145	LTE B66	5	66693	2135.7	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.44	14.50
CA_13A-66C-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	LTE B66	20	66734	2139.8	LTE B66	20	67236	2190	LTE B13	10	5230	751	-	-	-	-	14.41	14.50
CA_2A-2A-66A-66B	LTE B66	20	132072	1720	QPSK	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	14.36	14.50
CA_2A-2A-66A-66C	LTE B66	20	132072	1720	QPSK	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	14.34	14.50
CA_2A-2A-5A-66B	LTE B66	15	132322	1745	16QAM	1	0	66786	2145	LTE B66	5	66693	2135.7	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	14.21	14.50
CA_2A-2A-5A-66C	LTE B66	20	132072	1720	QPSK	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	14.37	14.50
CA_2A-5B-66A-66A	LTE B66	20	132072	1720	QPSK	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	14.33	14.50
CA_2A-5B-66C	LTE B66	20	132072	1720	QPSK	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	14.38	14.50
CA_2A-46D-66A	LTE B66	20	132072	1720	QPSK	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	14.37	14.50
CA_2A-5B-30A-66A	LTE B66	20	132072	1720	QPSK	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	14.37	14.50
CA_5B-30A-66A-66A	LTE B66	20	132072	1720	QPSK	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	14.34	14.50
CA_13A-46D-66A	LTE B66	20	132072	1720	QPSK	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	14.40	14.50
CA_46A-46D-66A	LTE B66	20	132072	1720	QPSK	1	0	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	14.42	14.50
CA_46E-66A	LTE B66	20	132072	1720	QPSK	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	14.39	14.50
CA_46D-66A-66A	LTE B66	20	132072	1720	QPSK	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	14.34	14.50
CA_2A-2A-66B-66A	LTE B66	15	132322	1745	16QAM	1	0	66786	2145	LTE B66	5	66693	2135.7	LTE B66	20	67236	2190	LTE B2	20	900	1960	LTE B2	20	700	1940	14.12	14.50
CA_2A-2A-66C-66A	LTE B66	20	132072	1720	QPSK	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	14.36	14.50

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1.3.9 **LTE Band 2 as PCC**

Table 21
Reduced 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	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA_2A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	13.96	14.00
CA_2A-17A	LTE B2	10	18650	1855	64QAM	1	49	650	1935	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	13.99	13.98
CA_2A-29A	LTE B2	10	18650	1855	64QAM	1	49	650	1935	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	13.95	13.98
CA_2A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	13.99	14.00
CA_2C-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	727	1942.7	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	13.97	14.00
CA_2C-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	727	1942.7	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.00	14.00
CA_2C-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	727	1942.7	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	13.95	14.00
CA_2C-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	727	1942.7	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	13.99	14.00
CA_2A-2A-46A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	13.93	14.00
CA_2A-46A-46A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	13.96	14.00
CA_2C-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	727	1942.7	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	13.94	14.00
CA_2A-4A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	13.98	14.00
CA_2A-13A-46A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	13.91	14.00
CA_2A-46A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	13.90	14.00
CA_2A-2A-4A-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	13.96	14.00
CA_2A-2A-12B	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	13.93	14.00
CA_2A-2A-46C	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	13.89	14.00
CA_2A-46A-46C	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	13.91	14.00
CA_2A-2A-66A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.98	14.00
CA_2A-2A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	13.92	14.00
CA_2A-4A-4A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	13.97	14.00
CA_2A-4A-5B	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	13.99	14.00
CA_2A-2A-4A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	13.98	14.00
CA_2A-4A-4A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	13.95	14.00
CA_2A-4A-12B	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	13.97	14.00
CA_2A-2A-5A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	13.96	14.00
CA_2A-2A-5A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	13.97	14.00
CA_2A-5A-66A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.93	14.00
CA_2A-2A-12A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	13.92	14.00
CA_2A-2A-12A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	13.98	14.00
CA_2A-12A-66A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.90	14.00
CA_2A-12A-66C	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	13.88	14.00
CA_2A-13A-46C	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	13.90	14.00
CA_2A-2A-13A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	-	-	-	-	13.95	14.00
CA_2A-13A-66A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.88	14.00
CA_2A-13A-66B	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B13	10	5230	751	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	13.92	14.00
CA_2A-13A-66C	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	13.91	14.00
CA_2A-2A-14A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	13.90	14.00
CA_2A-14A-66A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.91	14.00
CA_2A-2A-29A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	13.97	14.00
CA_2A-2A-30A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	13.99	14.00
CA_2A-46C-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	13.92	14.00
CA_2A-4A-5A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	13.97	14.00
CA_2A-4A-12A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	13.96	14.00
CA_2A-4A-29A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	13.98	14.00
CA_2A-5A-30A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	13.98	14.00
CA_2A-12A-30A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	13.90	14.00
CA_2A-14A-30A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B14	10	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	13.92	14.00
CA_2A-29A-30A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	13.91	14.00
CA_2A-2A-46D	LTE B2	20	18925	1882.5	QPSK	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	13.90	14.00
CA_2A-46A-46D	LTE B2	20	18925	1882.5	QPSK	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	13.95	14.00
CA_2A-46E	LTE B2	20	18925	1882.5	QPSK	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	13.98	14.00
CA_2A-2A-66A-66B	LTE B2	20	18925	1882.5	QPSK	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	13.93	14.00
CA_2A-2A-66A-66C	LTE B2	20	18925	1882.5	QPSK	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	13.93	14.00
CA_2A-2A-5A-66B	LTE B2	20	18925	1882.5	QPSK	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	13.90	14.00
CA_2A-2A-5A-66C	LTE B2	20	18925	1882.5	QPSK	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	13.94	14.00
CA_2A-5B-66A-66A	LTE B2	20	18925	1882.5	QPSK	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	13.93	14.00
CA_2A-5B-66C	LTE B2	20	18925	1882.5	QPSK	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	13.90	14.00
CA_2A-13A-46D	LTE B2	20	18925	1882.5	QPSK	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	13.96	14.00
CA_2A-46D-66A	LTE B2	20	18925	1882.5	QPSK	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	13.97	14.00
CA_2A-5B-30A-66A	LTE B2	20	18925	1882.5	QPSK	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	13.95	14.00

Table 22
Reduced 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	1.4	19193	1909.3	64QAM	1	0	1193	1989.3	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	13.66	13.70
CA_2A-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	13.70	13.68
CA_2A-17A	LTE B2	10	18925	1882.5	QPSK	1	0	925	1962.5	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	13.68	13.67
CA_2A-29A	LTE B2	10	18925	1882.5	QPSK	1	0	925	1962.5	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	13.65	13.67
CA_2A-66A	LTE B2	1.4	19193	1909.3	64QAM	1	0	1193	1989.3	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	13.69	13.70
CA_2C-5A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	13.60	13.68
CA_2C-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	13.60	13.68
CA_2C-29A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	13.66	13.68
CA_2C-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	13.60	13.68
CA_2A-2A-46A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	13.59	13.68
CA_2A-46A-46A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	13.66	13.68
CA_2C-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	754	1945.4	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	13.70	13.68
CA_2A-4A-13A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	13.59	13.68
CA_2A-13A-46A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	13.68	13.68
CA_2A-46A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	13.50	13.68
CA_2A-2A-4A-4A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	13.66	13.68
CA_2A-2A-12B	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	13.65	13.68
CA_2A-2A-46C	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	13.66	13.68
CA_2A-46A-46C	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	13.59	13.68
CA_2A-2A-66A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.58	13.68
CA_2A-2A-4A-5A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	13.70	13.68
CA_2A-4A-4A-5A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	13.66	13.68
CA_2A-4A-5B	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	13.60	13.68
CA_2A-2A-4A-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	13.60	13.68
CA_2A-4A-4A-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	13.60	13.68
CA_2A-4A-12B	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	13.65	13.68
CA_2A-2A-5A-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	13.62	13.68
CA_2A-2A-5A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	13.65	13.68
CA_2A-5A-66A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.60	13.68
CA_2A-2A-12A-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	13.64	13.68
CA_2A-2A-12A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	13.62	13.68
CA_2A-12A-66A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.54	13.68
CA_2A-12A-66C	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	13.68	13.68
CA_2A-13A-46C	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	13.69	13.68
CA_2A-2A-13A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	-	-	-	-	13.58	13.68
CA_2A-13A-66A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.68	13.68
CA_2A-13A-66B	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B13	10	5230	751	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	13.60	13.68
CA_2A-13A-66C	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	13.70	13.68
CA_2A-2A-14A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	13.70	13.68
CA_2A-14A-66A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.69	13.68
CA_2A-2A-29A-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	13.64	13.68
CA_2A-2A-30A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B2	20	700	1940	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	13.65	13.68
CA_2A-46C-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	13.70	13.68
CA_2A-4A-5A-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	13.60	13.68
CA_2A-4A-12A-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	13.60	13.68
CA_2A-4A-29A-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	13.60	13.68
CA_2A-5A-30A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	13.60	13.68
CA_2A-12A-30A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	13.60	13.68
CA_2A-14A-30A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B14	10	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	13.62	13.68
CA_2A-29A-30A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	13.55	13.68
CA_2A-2A-46D	LTE B2	15	18925	1882.5	QPSK	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	13.54	13.68
CA_2A-46A-46D	LTE B2	15	18925	1882.5	QPSK	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	13.52	13.68
CA_2A-46E	LTE B2	15	18925	1882.5	QPSK	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	13.51	13.68
CA_2A-2A-66A-66B	LTE B2	15	18925	1882.5	QPSK	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	13.53	13.68
CA_2A-2A-66A-66C	LTE B2	15	18925	1882.5	QPSK	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	13.56	13.68
CA_2A-2A-5A-66B	LTE B2	15	18925	1882.5	QPSK	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	13.49	13.68
CA_2A-2A-5A-66C	LTE B2	15	18925	1882.5	QPSK	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	13.52	13.68
CA_2A-5B-66A-66A	LTE B2	15	18925	1882.5	QPSK	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	13.58	13.68
CA_2A-5B-66C	LTE B2	15	18925	1882.5	QPSK	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	13.53	13.68
CA_2A-13A-46D	LTE B2	15	18925	1882.5	QPSK	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	13.55	13.68
CA_2A-46D-66A	LTE B2	15	18925	1882.5	QPSK	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	13.54	13.68
CA_2A-5B-30A-66A	LTE B2	15	18925	1882.5	QPSK	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	13.56	13.68

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Table 23
Reduced 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	20	18700	1860	16QAM	1	0	700	1940	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	15.27	15.30
CA_2A-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	15.23	15.30
CA_2A-17A	LTE B2	5	18625	1852.5	QPSK	12	0	625	1932.5	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	15.29	15.30
CA_2A-29A	LTE B2	5	18625	1852.5	QPSK	12	0	625	1932.5	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	15.24	15.30
CA_2A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	15.30	15.30
CA_2C-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	898	1959.8	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	15.20	15.30
CA_2C-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	898	1959.8	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	15.23	15.30
CA_2C-29A	LTE B2	20	18700	1860	16QAM	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	16QAM	1	0	700	1940	LTE B2	20	898	1959.8	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	15.21	15.30
CA_2A-2A-46A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	15.21	15.30
CA_2A-46A-46A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	15.20	15.30
CA_2C-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	898	1959.8	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.22	15.30
CA_2A-4A-13A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	15.22	15.30
CA_2A-13A-46A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	15.24	15.30
CA_2A-46A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	15.29	15.30
CA_2A-2A-4A-4A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	15.28	15.30
CA_2A-2A-12B	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	15.30	15.30
CA_2A-2A-46C	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	15.17	15.30
CA_2A-46A-46C	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	15.30	15.30
CA_2A-2A-66A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.24	15.30
CA_2A-2A-4A-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	15.26	15.30
CA_2A-4A-4A-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	15.29	15.30
CA_2A-4A-5B	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	15.30	15.30
CA_2A-2A-4A-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	15.29	15.30
CA_2A-4A-4A-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	15.21	15.30
CA_2A-4A-12B	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	15.28	15.30
CA_2A-2A-5A-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	15.21	15.30
CA_2A-2A-5A-66A	LTE B2	20	18700	1860	16QAM	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	16QAM	1	0	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.30	15.30
CA_2A-2A-12A-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	15.22	15.30
CA_2A-2A-12A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	15.26	15.30
CA_2A-12A-66A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.29	15.30
CA_2A-12A-66C	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	15.30	15.30
CA_2A-13A-46C	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	15.29	15.30
CA_2A-2A-13A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B13	10	5230	751	LTE B66	20	66786	2145	-	-	-	-	15.26	15.30
CA_2A-13A-66A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.30	15.30
CA_2A-13A-66B	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	15.26	15.30
CA_2A-13A-66C	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	15.30	15.30
CA_2A-2A-14A-66A	LTE B2	20	18700	1860	16QAM	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	16QAM	1	0	700	1940	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	15.20	15.30
CA_2A-2A-29A-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	15.28	15.30
CA_2A-2A-30A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B2	20	1100	1980	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.18	15.30
CA_2A-46C-66A	LTE B2	20	18700	1860	16QAM	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	16QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	15.20	15.30
CA_2A-4A-12A-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	15.21	15.30
CA_2A-4A-29A-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	15.11	15.30
CA_2A-5A-30A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.20	15.30
CA_2A-12A-30A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.23	15.30
CA_2A-14A-30A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	LTE B14	10	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	15.20	15.30
CA_2A-29A-30A-66A	LTE B2	20	18700	1860	16QAM	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	16QAM	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	14.88	15.30
CA_2A-46A-46D	LTE B2	20	18700	1860	16QAM	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	14.87	15.30
CA_2A-46E	LTE B2	20	18700	1860	16QAM	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	14.95	15.30
CA_2A-2A-66A-66B	LTE B2	20	18700	1860	16QAM	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	14.83	15.30
CA_2A-2A-66A-66C	LTE B2	20	18700	1860	16QAM	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	14.75	15.30
CA_2A-2A-5A-66B	LTE B2	20	18700	1860	16QAM	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	14.91	15.30
CA_2A-2A-5A-66C	LTE B2	20	18700	1860	16QAM	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	14.85	15.30
CA_2A-5B-66A-66A	LTE B2	20	18700	1860	16QAM	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	14.81	15.30
CA_2A-5B-66C	LTE B2	20	18700	1860	16QAM	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	14.82	15.30
CA_2A-13A-46D	LTE B2	20	18700	1860	16QAM	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	14.93	15.30
CA_2A-46D-66A	LTE B2	20	18700	1860	16QAM	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	14.86	15.30
CA_2A-5B-30A-66A	LTE B2	20	18700	1860	16QAM	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	14.84	15.30

Table 24
Reduced 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	20	18700	1860	64QAM	1	99	700	1940	LTE B4	20	2175	2132.5	-	-	-	-	-	-	-	-	-	-	-	-	14.15	14.20
CA_2A-12A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	-	-	-	-	14.13	14.20
CA_2A-17A	LTE B2	10	18650	1855	QPSK	1	0	650	1935	LTE B17	10	5790	740	-	-	-	-	-	-	-	-	-	-	-	-	14.20	14.20
CA_2A-29A	LTE B2	10	18650	1855	QPSK	1	0	650	1935	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	-	-	-	-	14.20	14.20
CA_2A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	-	-	-	-	14.06	14.20
CA_2C-5A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	898	1959.8	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	14.16	14.20
CA_2C-12A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	898	1959.8	LTE B12	10	5095	737.5	-	-	-	-	-	-	-	-	14.18	14.20
CA_2C-29A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	898	1959.8	LTE B29	10	9715	722.5	-	-	-	-	-	-	-	-	14.20	14.20
CA_2C-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	898	1959.8	LTE B30	10	9820	2355	-	-	-	-	-	-	-	-	14.15	14.20
CA_2A-2A-46A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.15	14.20
CA_2A-46A-46A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	47090	5180	-	-	-	-	-	-	-	-	14.13	14.20
CA_2C-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	898	1959.8	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	14.19	14.20
CA_2A-4A-13A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B4	20	2175	2132.5	LTE B13	10	5230	751	-	-	-	-	-	-	-	-	14.16	14.20
CA_2A-13A-46A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	14.14	14.20
CA_2A-46A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B46	20	50665	5537.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	14.17	14.20
CA_2A-2A-4A-4A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	14.13	14.20
CA_2A-2A-12B	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.10	14.20
CA_2A-2A-46C	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.12	14.20
CA_2A-46A-46C	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	53540	5825	-	-	-	-	14.00	14.20
CA_2A-2A-66A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.20	14.20
CA_2A-2A-4A-5A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	14.12	14.20
CA_2A-4A-4A-5A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	14.18	14.20
CA_2A-4A-5B	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	-	-	-	-	14.13	14.20
CA_2A-2A-4A-12A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	14.20	14.20
CA_2A-4A-4A-12A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	14.10	14.20
CA_2A-4A-12B	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B4	20	2175	2132.5	LTE B12	5	5095	737.5	LTE B12	5	5047	732.7	-	-	-	-	14.16	14.20
CA_2A-2A-5A-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.13	14.20
CA_2A-2A-5A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	14.13	14.20
CA_2A-5A-66A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.11	14.20
CA_2A-2A-12A-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.15	14.20
CA_2A-2A-12A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	14.15	14.20
CA_2A-12A-66A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.18	14.20
CA_2A-12A-66C	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	14.08	14.20
CA_2A-13A-46C	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B13	10	5230	751	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	14.20	14.20
CA_2A-2A-13A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B13	10	5230	751	LTE B66	20	66786	2145	-	-	-	-	14.13	14.20
CA_2A-13A-66A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.03	14.20
CA_2A-13A-66B	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B13	10	5230	751	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	-	-	-	-	14.12	14.20
CA_2A-13A-66C	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B13	10	5230	751	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	-	-	-	-	14.16	14.20
CA_2A-2A-14A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	14.13	14.20
CA_2A-14A-66A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	14.20	14.20
CA_2A-2A-29A-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.16	14.20
CA_2A-2A-30A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.16	14.20
CA_2A-46C-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B66	20	66786	2145	-	-	-	-	14.20	14.20
CA_2A-4A-5A-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	-	-	-	-	14.16	14.20
CA_2A-4A-12A-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	-	-	-	-	14.12	14.20
CA_2A-4A-29A-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	-	-	-	-	14.15	14.20
CA_2A-5A-30A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B5	10	2525	881.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.14	14.20
CA_2A-12A-30A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B12	10	5095	737.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.15	14.20
CA_2A-14A-30A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B14	10	5330	763	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.12	14.20
CA_2A-29A-30A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B29	10	9715	722.5	LTE B30	10	9820	2355	LTE B66	20	66786	2145	-	-	-	-	14.15	14.20
CA_2A-2A-46D	LTE B2	20	18700	1860	64QAM	1	99	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	14.07	14.20
CA_2A-46A-46D	LTE B2	20	18700	1860	64QAM	1	99	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	14.03	14.20
CA_2A-46E	LTE B2	20	18700	1860	64QAM	1	99	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	14.03	14.20
CA_2A-2A-66A-66B	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B66	20	66786	2145	LTE B66	5	67168	2183.2	LTE B66	15	67261	2192.5	14.08	14.20
CA_2A-2A-66A-66C	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B66	20	66786	2145	LTE B66	20	67038	2170.2	LTE B66	20	67236	2190	14.12	14.20
CA_2A-2A-5A-66B	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B66	15	66786	2145	LTE B66	5	66879	2154.3	14.06	14.20
CA_2A-2A-5A-66C	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B2	20	1100	1980	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	66984	2164.8	14.09	14.20
CA_2A-5B-66A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	14.05	14.20
CA_2A-5B-66C	LTE B2	20	18700	1860	64QAM	1	99	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	14.06	14.20
CA_2A-13A-46D	LTE B2	20	18700	1860	64QAM	1	99	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	14.02	14.20
CA_2A-46D-66A	LTE B2	20	18700	1860	64QAM	1	99	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	14.05	14.20
CA_2A-5B-30A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B30	10	9820	2355	LTE B66	20	66786	2145	14.09	14.20

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1.3.10 LTE Band 25 as PCC

Table 25
Reduced 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	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B5	10	2525	881.5	-	-	-	-	13.99	14.00
CA_25A-26A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B26	10	8865	876.5	-	-	-	-	14.00	14.00
CA_25A-25A-26A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B25	20	8140	1940	LTE B26	5	8865	876.5	13.94	14.00

Table 26
Reduced 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	15	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B5	10	2525	881.5	-	-	-	-	13.68	13.68
CA_25A-26A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B26	10	8865	876.5	-	-	-	-	13.70	13.68
CA_25A-25A-26A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	LTE B25	20	8140	1940	LTE B26	5	8865	876.5	13.35	13.68

Table 27
Reduced 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	20	26140	1860	16QAM	1	0	8140	1940	LTE B5	10	2525	881.5	-	-	-	-	15.18	15.30
CA_25A-26A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	LTE B26	10	8865	876.5	-	-	-	-	15.29	15.30
CA_25A-25A-26A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	LTE B25	20	8590	1985	LTE B26	5	8865	876.5	15.26	15.30

Table 28
Reduced 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	20	26140	1860	64QAM	1	99	8140	1940	LTE B5	10	2525	881.5	-	-	-	-	14.13	14.20
CA_25A-26A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	LTE B26	10	8865	876.5	-	-	-	-	14.11	14.20
CA_25A-25A-26A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	LTE B25	20	8590	1985	LTE B26	5	8865	876.5	14.13	14.20

1.3.11 LTE Band 30 as PCC

Table 29
Reduced 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	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	12.56	12.60
CA_2A-2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	12.45	12.60
CA_2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	12.44	12.60
CA_2A-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	-	-	-	-	12.45	12.60
CA_2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	12.43	12.60
CA_2A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	12.41	12.60
CA_2A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	12.43	12.60
CA_2A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	-	-	-	-	12.44	12.60
CA_2A-5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	12.43	12.60
CA_2A-12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	12.45	12.60
CA_2A-14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	12.45	12.60
CA_2A-29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	-	-	-	12.44	12.60
CA_4A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	12.41	12.60
CA_4A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	12.43	12.60
CA_5A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	12.41	12.60
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	12.45	12.60
CA_14A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	12.42	12.60
CA_2A-5B-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	12.51	12.60
CA_5B-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	12.55	12.60

Table 30
Reduced 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	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	12.89	12.90
CA_2A-2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	12.84	12.90
CA_2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	12.90	12.90
CA_2A-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	-	-	-	-	12.90	12.90
CA_2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	12.85	12.90
CA_2A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	12.80	12.90
CA_2A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	12.89	12.90
CA_2A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	-	-	-	-	12.85	12.90
CA_2A-5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	12.89	12.90
CA_2A-12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	12.88	12.90
CA_2A-14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	12.89	12.90
CA_2A-29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	-	-	-	12.80	12.90
CA_4A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	12.86	12.90
CA_4A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	12.80	12.90
CA_5A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	12.84	12.90
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	12.80	12.90
CA_14A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	12.89	12.90
CA_2A-5B-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	12.90	12.90
CA_5B-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	12.90	12.90

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Table 31
Reduced 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	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	13.48	13.50
CA_2A-2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	13.32	13.50
CA_2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	13.42	13.50
CA_2A-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	-	-	-	-	13.50	13.50
CA_2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	13.45	13.50
CA_2A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	13.36	13.50
CA_2A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	13.39	13.50
CA_2A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	-	-	-	-	13.26	13.50
CA_2A-5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	13.36	13.50
CA_2A-12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	13.36	13.50
CA_2A-14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	13.49	13.50
CA_2A-29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	-	-	-	13.50	13.50
CA_4A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	13.39	13.50
CA_4A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	13.36	13.50
CA_5A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.48	13.50
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.50	13.50
CA_14A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.50	13.50
CA_2A-5B-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	13.41	13.50
CA_5B-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	13.44	13.50

Table 32
Reduced 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	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	702	1940.2	-	-	-	-	-	-	-	-	13.18	13.20
CA_2A-2A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B5	10	2525	881.5	-	-	-	-	13.10	13.20
CA_2A-2A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B12	10	5095	737.5	-	-	-	-	13.00	13.20
CA_2A-2A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B29	10	9715	722.5	-	-	-	-	13.16	13.20
CA_2A-2A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B2	20	700	1940	LTE B66	20	66786	2145	-	-	-	-	13.16	13.20
CA_2A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B5	10	2525	881.5	-	-	-	-	13.20	13.20
CA_2A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	13.16	13.20
CA_2A-4A-29A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B4	20	2175	2132.5	LTE B29	10	9715	722.5	-	-	-	-	13.05	13.20
CA_2A-5A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	-	-	-	-	13.20	13.20
CA_2A-12A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	-	-	-	-	13.16	13.20
CA_2A-14A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B14	10	5330	763	LTE B66	20	66786	2145	-	-	-	-	13.13	13.20
CA_2A-29A-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B29	10	9715	722.5	LTE B66	20	66786	2145	-	-	-	-	13.18	13.20
CA_4A-4A-5A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B5	10	2525	881.5	-	-	-	-	13.13	13.20
CA_4A-4A-12A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	LTE B12	10	5095	737.5	-	-	-	-	13.16	13.20
CA_5A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.20	13.20
CA_12A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B12	10	5095	737.5	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.16	13.20
CA_14A-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B14	10	5330	763	LTE B66	20	66786	2145	LTE B66	20	67236	2190	-	-	-	-	13.13	13.20
CA_2A-5B-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B2	20	900	1960	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	13.13	13.20
CA_5B-30A-66A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	LTE B5	10	2525	881.5	LTE B5	5	2453	874.3	LTE B66	20	66786	2145	LTE B66	20	67236	2190	13.20	13.20

1.3.12 LTE Band 7 as PCC

Table 33
Reduced 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	21350	2560	QPSK	1	0	3350	2680	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	11.95	12.00
CA_7B	LTE B7	15	21375	2562.5	QPSK	1	36	3375	2682.5	LTE B7	5	3282	2673.2	-	-	-	-	-	-	-	-	11.95	11.99
CA_7C (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	3152	2660.2	-	-	-	-	-	-	-	-	11.92	12.00
CA_7A-46A (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	12.00	12.00
CA_7A-66A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	12.00	12.00
CA_4A-4A-7A (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	11.99	12.00
CA_4A-7A-7A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B7	20	2850	2630	LTE B4	20	2175	2132.5	-	-	-	-	11.96	12.00
CA_4A-7A-12A (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	12.00	12.00
CA_7A-46C (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7					11.97	12.00
CA_7A-46D (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	11.96	12.00

Table 34
Reduced 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	15	21100	2535	64QAM	1	0	3100	2655	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	12.30	12.29
CA_7B	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B7	5	3007	2645.7	-	-	-	-	-	-	-	-	12.26	12.29
CA_7C (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B7	20	2929	2637.9	-	-	-	-	-	-	-	-	12.29	12.29
CA_7A-46A (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	12.30	12.29
CA_7A-66A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	12.25	12.29
CA_4A-4A-7A (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	12.30	12.29
CA_4A-7A-7A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B7	20	2850	2630	LTE B4	20	2175	2132.5	-	-	-	-	12.20	12.29
CA_4A-7A-12A (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	12.15	12.29
CA_7A-46C (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	12.25	12.29
CA_7A-46D (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	12.24	12.29

Table 35
Reduced 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	20	20850	2510	QPSK	1	0	2850	2630	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	12.00	12.00
CA_7B	LTE B7	15	20825	2507.5	QPSK	36	37	2825	2627.5	LTE B7	5	2918	2636.8	-	-	-	-	-	-	-	-	11.98	12.00
CA_7C (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B7	20	3048	2649.8	-	-	-	-	-	-	-	-	12.00	12.00
CA_7A-46A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	11.90	12.00
CA_7A-66A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	11.95	12.00
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	-	-	-	-	11.99	12.00
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	-	-	-	-	11.96	12.00
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	-	-	-	-	11.90	12.00
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	-	-	-	-	12.00	12.00
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	12.00	12.00

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Table 36
Reduced 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	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B5	10	2525	881.5	-	-	-	-	-	-	-	-	12.00	12.00
CA_7B	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B7	5	3282	2673.2	-	-	-	-	-	-	-	-	12.00	12.00
CA_7C (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B7	20	3204	2665.4	-	-	-	-	-	-	-	-	12.06	12.00
CA_7A-46A (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B46	20	50665	5537.5	-	-	-	-	-	-	-	-	12.10	12.00
CA_7A-66A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B66	20	66786	2145	-	-	-	-	-	-	-	-	12.03	12.00
CA_4A-4A-7A (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B4	20	2175	2132.5	LTE B4	10	2350	2150	-	-	-	-	11.99	12.00
CA_4A-7A-7A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B7	20	2850	2630	LTE B4	20	2175	2132.5	-	-	-	-	11.98	12.00
CA_4A-7A-12A (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B4	20	2175	2132.5	LTE B12	10	5095	737.5	-	-	-	-	11.98	12.00
CA_7A-46C (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	-	-	-	-	12.08	12.00
CA_7A-46D (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	LTE B46	20	50665	5537.5	LTE B46	20	50467	5517.7	LTE B46	20	50863	5557.3	12.00	12.00

1.3.13 LTE Band 41 as PCC

Table 37
Reduced 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	QPSK	1	99	40620	2593	LTE B41	20	39750	2506	-	-	-	-	-	-	-	-	-	-	-	-	14.79	14.80
CA_41A-41C	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.74	14.80
CA_41C-41A	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.80	14.80
CA_41A-41D	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.80	14.80
CA_41C-41C	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.79	14.80
CA_41E	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41016	2632.6	-	-	-	-	14.80	14.80
CA_41D-41A	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	LTE B41	20	40422	2573.2	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	14.80	14.80
CA_41C-41D	LTE B41	20	40620	2593	QPSK	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	14.71	14.80
CA_41D-41C	LTE B41	20	40620	2593	QPSK	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	14.69	14.80

Table 38
Reduced 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	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	14.50	14.49
CA_41A-41C	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.50	14.49
CA_41C-41A	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.50	14.49
CA_41A-41D	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.50	14.49
CA_41C-41C	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.42	14.49
CA_41E	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	40119	2542.9	LTE B41	20	40317	2562.7	-	-	-	-	14.46	14.49
CA_41D-41A	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	40119	2542.9	LTE B41	20	41490	2680	-	-	-	-	14.48	14.49
CA_41C-41D	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.44	14.49
CA_41D-41C	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	LTE B41	20	39921	2523.1	LTE B41	20	40119	2542.9	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.42	14.49

Table 39
Reduced 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	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	14.43	14.50
CA_41A-41C	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.43	14.50
CA_41C-41A	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.50	14.50
CA_41A-41D	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.50	14.50
CA_41C-41C	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.50	14.50
CA_41E	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	LTE B41	20	40779	2608.9	-	-	-	-	14.50	14.50
CA_41D-41A	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	LTE B41	20	41490	2680	-	-	-	-	14.50	14.50
CA_41C-41D	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.48	14.50
CA_41D-41C	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.43	14.50

Table 40
Reduced 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	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	14.98	14.97
CA_41A-41C	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.91	14.97
CA_41C-41A	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.99	14.97
CA_41A-41D	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.99	14.97
CA_41C-41C	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.96	14.97
CA_41E	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	LTE B41	20	40779	2608.9	-	-	-	-	14.93	14.97
CA_41D-41A	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	LTE B41	20	41490	2680	-	-	-	-	14.90	14.97
CA_41C-41D	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.90	14.97
CA_41D-41C	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.83	14.97

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1.3.14 LTE Band 41 PC2 as PCC

Table 41
Reduced 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	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	39750	2506	-	-	-	-	-	-	-	-	-	-	-	-	14.80	14.80
CA_41A-41C	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	14.74	14.80
CA_41C-41A	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40818	2612.8	LTE B41 PC2	20	39750	2506	-	-	-	-	-	-	-	-	14.71	14.80
CA_41A-41D	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.74	14.80
CA_41C-41C	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40422	2573.2	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.73	14.80
CA_41E	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40422	2573.2	LTE B41 PC2	20	40818	2612.8	LTE B41 PC2	20	41016	2632.6	-	-	-	-	14.75	14.80
CA_41D-41A	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40422	2573.2	LTE B41 PC2	20	40818	2612.8	LTE B41 PC2	20	41490	2680	-	-	-	-	14.75	14.80
CA_41C-41D	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40422	2573.2	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.80	14.80
CA_41D-41C	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	LTE B41 PC2	20	40422	2573.2	LTE B41 PC2	20	40818	2612.8	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.80	14.80

Table 42
Reduced 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	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	14.48	14.50
CA_41A-41C	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	14.44	14.50
CA_41C-41A	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	39921	2523.1	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	14.48	14.50
CA_41A-41D	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.50	14.50
CA_41C-41C	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	39921	2523.1	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.48	14.50
CA_41E	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	39921	2523.1	LTE B41 PC2	20	40119	2542.9	LTE B41 PC2	20	40317	2562.7	-	-	-	-	14.50	14.50
CA_41D-41A	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	39921	2523.1	LTE B41 PC2	20	40119	2542.9	LTE B41 PC2	20	41490	2680	-	-	-	-	14.47	14.50
CA_41C-41D	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	39921	2523.1	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.38	14.50
CA_41D-41C	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	LTE B41 PC2	20	39921	2523.1	LTE B41 PC2	20	40119	2542.9	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.37	14.50

Table 43
Reduced 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	16QAM	1	99	39750	2506	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	14.36	14.50
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	-	-	-	-	-	-	-	-	14.47	14.50
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	-	-	-	-	-	-	-	-	14.46	14.50
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	-	-	-	-	14.49	14.50
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	-	-	-	-	14.46	14.50
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	-	-	-	-	14.50	14.50
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	-	-	-	-	14.39	14.50
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	14.36	14.50
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	14.40	14.50

Table 44
Reduced 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	5	39750	2506	16QAM	1	0	39750	2506	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	-	-	-	-	14.98	14.98
CA_41A-41C	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	14.89	14.98
CA_41C-41A	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	LTE B41 PC2	20	39867	2517.7	LTE B41 PC2	20	41490	2680	-	-	-	-	-	-	-	-	14.93	14.98
CA_41A-41D	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	15.00	14.98
CA_41C-41C	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	-	-	-	-	14.90	14.96
CA_41E	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40581	2589.1	LTE B41 PC2	20	40779	2608.9	-	-	-	-	14.99	14.96
CA_41D-41A	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40581	2589.1	LTE B41 PC2	20	41490	2680	-	-	-	-	14.92	14.96
CA_41C-41D	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	41094	2640.4	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.85	14.96
CA_41D-41C	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	LTE B41 PC2	20	40383	2569.3	LTE B41 PC2	20	40581	2589.1	LTE B41 PC2	20	41292	2660.2	LTE B41 PC2	20	41490	2680	14.90	14.96

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 45
Reduced 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	20	20050	1720	64QAM	1	99	14.68	14.70	14.7
66	20	132072	1720	64QAM	1	99	14.66	14.70	14.7
2	20	18925	1882.5	QPSK	1	0	13.99	14.00	14.0
25	20	26365	1882.5	QPSK	1	0	13.94	14.00	14.0
7	20	21350	2560	QPSK	1	0	11.91	12.00	12.0
30	10	27710	2310	QPSK	1	49	12.57	12.60	12.6
41	20	40620	2593	QPSK	1	99	14.79	14.80	14.8
41 PC2	20	40620	2593	QPSK	1	99	14.77	14.80	14.8

Table 46
Reduced 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	20	20050	1720	16QAM	1	99	14.26	14.30	14.3
66	20	132072	1720	16QAM	1	99	14.27	14.30	14.3
2	1.4	19193	1909.3	64QAM	1	0	13.66	13.70	13.7
25	1.4	26683	1914.3	64QAM	1	0	13.67	13.70	13.7
7	15	21100	2535	64QAM	1	0	12.26	12.29	12.3
30	10	27710	2310	QPSK	1	49	12.88	12.90	13.4
41	15	39750	2506	QPSK	1	74	14.46	14.49	14.5
41 PC2	15	39750	2506	QPSK	1	74	14.48	14.50	14.5

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Table 47
Reduced 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	QPSK	1	99	14.95	15.00	15.0
66	20	132072	1720	QPSK	1	99	14.97	15.00	15.0
2	20	18700	1860	16QAM	1	0	15.28	15.30	15.3
25	20	26140	1860	16QAM	1	0	15.30	15.30	15.3
7	20	20850	2510	QPSK	1	0	11.99	12.00	12.0
30	10	27710	2310	QPSK	1	49	13.46	13.50	13.5
41	20	40185	2549.5	QPSK	1	50	14.49	14.50	14.5
41 PC2	20	39750	2506	16QAM	1	99	14.50	14.50	14.5

Table 48
Reduced 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	20	20050	1720	QPSK	1	0	14.52	14.50	14.75
66	20	132072	1720	QPSK	1	0	14.49	14.50	14.75
2	20	18700	1860	64QAM	1	99	14.18	14.20	14.2
25	20	26140	1860	64QAM	1	99	14.20	14.20	14.2
7	15	21375	2562.5	QPSK	36	37	12.02	12.00	12.3
30	10	27710	2310	QPSK	1	49	13.23	13.20	13.7
41	20	40185	2549.5	16QAM	1	0	14.98	14.97	15.0
41 PC2	5	39750	2506	16QAM	1	0	14.97	14.98	15.0

1.4.2 LTE Band 12 as PCC

Table 49
Reduced 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	25	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	25	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.63	19.70
CA_[4A]-12A (2)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.63	19.70
CA_[7A]-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.67	19.70
CA_12A-[66A] (1)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.68	19.70
CA_12A-[66A] (2)	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.68	19.70
CA_[2A]-2A-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	19.69	19.70
CA_[2C]-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	19.68	19.70
CA_[2A]-4A-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	19.68	19.70
CA_2A-[4A]-12A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	19.69	19.70
CA_2A-12A-[30A]	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	19.68	19.70
CA_[2A]-12A-66A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	19.64	19.70
CA_2A-12A-[66A]	LTE B12	10	23095	707.5	QPSK	1	25	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	25	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	25	5095	737.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	19.67	19.70
CA_4A-12A-[30A]	LTE B12	10	23095	707.5	QPSK	1	25	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	25	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	19.69	19.70
CA_12A-[66A]-66A	LTE B12	10	23095	707.5	QPSK	1	25	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	19.66	19.70
CA_12A-[30A]-66A	LTE B12	10	23095	707.5	QPSK	1	25	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	23095	707.5	64QAM	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	19.55	19.66
CA_[2A]-4A-12B	LTE B12	5	23095	707.5	64QAM	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	19.56	19.66
CA_2A-[4A]-12B	LTE B12	5	23095	707.5	64QAM	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	19.63	19.66
CA_[2A]-12A-66C	LTE B12	10	23095	707.5	QPSK	1	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	19.61	19.70
CA_[4A]-4A-12B	LTE B12	5	23095	707.5	64QAM	1	0	5095	737.5	2x2 MIMO	LTE B12	5	5047	732.7	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	19.60	19.66

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Table 50
Reduced 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	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.91	20.00
CA_[4A]-12A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.89	20.00
CA_[4A]-12A (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.89	20.00
CA_[7A]-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.92	20.00
CA_12A-[66A] (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.97	20.00
CA_12A-[66A] (2)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	19.97	20.00
CA_[2A]-2A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	20.00	20.00
CA_[2C]-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	19.96	20.00
CA_[2A]-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	19.97	20.00
CA_2A-[4A]-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	19.92	20.00
CA_2A-12A-[30A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	19.98	20.00
CA_[2A]-12A-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	19.94	20.00
CA_2A-12A-[66A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	19.95	20.00
CA_[4A]-4A-12A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	19.93	20.00
CA_4A-[7A]-12A (1)	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	19.99	20.00
CA_4A-12A-[30A]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	19.96	20.00
CA_12A-[66C]	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	19.95	20.00
CA_12A-[66A]-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	19.97	20.00
CA_12A-[30A]-66A	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	19.99	20.00
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	19.97	20.00
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	19.96	20.00
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	19.98	20.00
CA_[2A]-12A-66C	LTE B12	5	23035	701.5	16QAM	1	12	5035	731.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	20.00	20.00
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	19.95	20.00

1.4.3 LTE Band 17 as PCC

Table 51
Reduced 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	25	5790	740	2x2 MIMO	LTE B2	10	900	1960	4x4 MIMO	19.67	19.70
CA_[4A]-17A	LTE B17	10	23790	710	QPSK	1	25	5790	740	2x2 MIMO	LTE B4	10	2175	2132.5	4x4 MIMO	19.64	19.70

Table 52
Reduced 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	5	23755	706.5	16QAM	1	12	5755	736.5	2x2 MIMO	LTE B2	10	900	1960	4x4 MIMO	19.95	20.00
CA_[4A]-17A	LTE B17	5	23755	706.5	16QAM	1	12	5755	736.5	2x2 MIMO	LTE B4	10	2175	2132.5	4x4 MIMO	19.93	20.00

1.4.4 LTE Band 13 as PCC

Table 53
Reduced 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	-	-	-	-	-	21.29	21.30
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	-	-	-	-	-	21.30	21.30
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	-	-	-	-	-	21.30	21.30
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	-	-	-	-	-	21.30	21.30
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	-	-	-	-	-	21.29	21.30
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	-	-	-	-	-	21.28	21.30
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	-	-	-	-	-	21.27	21.30
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	-	-	-	-	-	21.26	21.30
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	-	-	-	-	-	21.27	21.30
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	-	-	-	-	-	21.28	21.30
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	-	-	-	-	-	21.29	21.30
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	21.30	21.30
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	21.29	21.30
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	21.27	21.30
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	21.26	21.30
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	21.28	21.30

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Table 54
Reduced 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	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	21.27	21.30
CA_[2A]-4A-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	21.28	21.30
CA_2A-[4A]-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	21.28	21.30
CA_[2A]-13A-46A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	21.29	21.30
CA_[2A]-13A-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.29	21.30
CA_2A-13A-[66A]	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	21.25	21.30
CA_[4A]-4A-13A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	21.21	21.30
CA_13A-[66A]-66A	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	21.28	21.30
CA_13A-[66B]	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	21.25	21.30
CA_13A-[66C]	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	21.26	21.30
CA_13A-46A-[66A]	LTE B13	10	23230	782	QPSK	1	49	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	21.27	21.30
CA_[2A]-13A-66B	LTE B13	10	23230	782	QPSK	1	49	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	21.26	21.30
CA_[2A]-13A-66C	LTE B13	10	23230	782	QPSK	1	49	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	21.29	21.30
CA_13A-[66A]-66B	LTE B13	10	23230	782	QPSK	1	49	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	21.24	21.30
CA_13A-[66A]-66C	LTE B13	10	23230	782	QPSK	1	49	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	21.27	21.30
CA_13A-46C-[66A]	LTE B13	10	23230	782	QPSK	1	49	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	21.26	21.30

1.4.5 LTE Band 14 as PCC

Table 55
Reduced 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	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	21.23	21.28
CA_2A-14A-[30A]	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	21.25	21.28
CA_[2A]-14A-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	21.27	21.28
CA_2A-14A-[66A]	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	21.26	21.28
CA_14A-[66A]-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	21.21	21.28
CA_14A-[30A]-66A	LTE B14	5	23330	793	16QAM	1	0	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	21.24	21.28

Table 56
Reduced 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	10	23330	793	QPSK	1	0	5330	763	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	21.27	21.30
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	21.29	21.30
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	21.28	21.30
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	21.30	21.30
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	21.23	21.30
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	21.29	21.30

1.4.6 LTE Band 5 as PCC

Table 57
Reduced 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	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	20.23	20.30
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	-	-	-	-	-	-	-	-	-	-	20.24	20.30
CA_5A-[41A]	LTE B5	10	20525	836.5	16QAM	1	49	2525	881.5	2x2 MIMO	LTE B41	20	40620	2593	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	20.30	20.30
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	-	-	-	-	-	20.23	20.30
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	-	-	-	-	-	20.26	20.30
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	-	-	-	-	-	20.29	20.30
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	-	-	-	-	-	20.25	20.30
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	-	-	-	-	-	20.26	20.30
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	-	-	-	-	-	20.27	20.30
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	-	-	-	-	-	20.27	20.30
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	-	-	-	-	-	20.30	20.30
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	-	-	-	-	-	20.29	20.30
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	-	-	-	-	-	20.30	20.30
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	-	-	-	-	-	20.29	20.30
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	-	-	-	-	-	20.26	20.30
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	-	-	-	-	-	20.27	20.30
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	20.25	20.30
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	20.30	20.30
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	20.26	20.30
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	20.30	20.30
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	20.29	20.30
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	20.28	20.30
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	20.29	20.30
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	20.30	20.30
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	20.29	20.30
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	20.30	20.30
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	20.30	20.30
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	20.29	20.30

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Table 58
Reduced 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	3	20525	836.5	64QAM	1	7	2525	881.5	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.34	21.39
CA_5A-[25A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.39	21.38
CA_5A-[41A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B41	20	40620	2593	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	21.37	21.38
CA_[2A]-2A-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	21.33	21.38
CA_[2C]-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	21.34	21.38
CA_[2A]-4A-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	21.35	21.38
CA_2A-[4A]-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	21.32	21.38
CA_2A-5A-[30A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	21.37	21.38
CA_[2A]-5A-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.33	21.38
CA_2A-5A-[66A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	21.32	21.38
CA_[4A]-4A-5A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	21.36	21.38
CA_4A-5A-[30A]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	21.38	21.38
CA_5A-[66B]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	21.37	21.38
CA_5A-[66C]	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	21.35	21.38
CA_5A-[66A]-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	21.31	21.38
CA_5A-[30A]-66A	LTE B5	10	20525	836.5	16QAM	1	25	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	21.37	21.38
CA_[2A]-4A-5B	LTE B5	10	20525	836.5	16QAM	1	25	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	21.36	21.38
CA_2A-[4A]-5B	LTE B5	10	20525	836.5	16QAM	1	25	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	21.30	21.38
CA_2A-5B-[30A]	LTE B5	10	20525	836.5	16QAM	1	25	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	21.31	21.38
CA_[2A]-5A-66B	LTE B5	10	20525	836.5	16QAM	1	25	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	21.35	21.38
CA_[2A]-5A-66C	LTE B5	10	20525	836.5	16QAM	1	25	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	21.35	21.38
CA_[2A]-5B-66A	LTE B5	10	20525	836.5	16QAM	1	25	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	2x2 MIMO	21.33	21.38
CA_2A-5B-[66A]	LTE B5	10	20525	836.5	16QAM	1	25	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	21.32	21.38
CA_[4A]-4A-5B	LTE B5	10	20525	836.5	16QAM	1	25	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	21.38	21.38
CA_5B-[66A]-66A	LTE B5	10	20525	836.5	16QAM	1	25	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	21.39	21.38
CA_5A-[66A]-66B	LTE B5	10	20525	836.5	16QAM	1	25	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	21.36	21.38
CA_5A-[66A]-66C	LTE B5	10	20525	836.5	16QAM	1	25	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	21.34	21.38
CA_5B-[30A]-66A	LTE B5	10	20525	836.5	16QAM	1	25	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	21.36	21.38

1.4.7 LTE Band 26 as PCC

Table 59
Reduced 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	25	8740	864	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	20.27	20.30
CA_[25A]-25A-26A	LTE B26	5	26715	816.5	16QAM	1	24	8715	861.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	20.27	20.28

Table 60
Reduced 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	10	26740	819	QPSK	1	25	8740	864	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	-	-	-	-	-	21.37	21.40
CA_[25A]-25A-26A	LTE B26	5	26715	816.5	64QAM	1	24	8715	861.5	2x2 MIMO	LTE B25	20	8365	1962.5	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	21.38	21.39

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1.4.8 LTE Band 4 as PCC

Table 61
Reduced 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	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.69	14.70
CA_2A-[4A]	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.60	14.70
CA_[4A]-12A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.64	14.70
CA_[4A]-12A (2)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.64	14.70
CA_[4A]-17A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.46	14.68
CA_[4A]-29A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.58	14.68
CA_[4A]-46A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.63	14.70
CA_[2A]-2A-4A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.66	14.70
CA_2A-[4A]-4A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.67	14.70
CA_2A-[4A]-4A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.68	14.70
CA_[2A]-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.70	14.70
CA_2A-[4A]-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.70	14.70
CA_[2A]-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.62	14.70
CA_2A-[4A]-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.68	14.70
CA_[2A]-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.65	14.70
CA_2A-[4A]-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.66	14.70
CA_[2A]-4A-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.70	14.70
CA_2A-[4A]-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.68	14.70
CA_[2A]-4A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.68	14.70
CA_2A-[4A]-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.69	14.70
CA_2A-4A-[30A]	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.66	14.70
CA_[4A]-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.70	14.70
CA_[4A]-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.68	14.70
CA_[4A]-4A-7A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.65	14.70
CA_[4A]-4A-7A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.67	14.70
CA_4A-[7A]-7A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	14.54	14.70
CA_[4A]-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.68	14.70
CA_[4A]-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.66	14.70
CA_[4A]-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.70	14.70
CA_[4A]-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.63	14.70
CA_[4A]-4A-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.69	14.70
CA_[4A]-4A-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.65	14.70
CA_[4A]-4A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.68	14.70
CA_[4A]-4A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.70	14.70
CA_[4A]-46C	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	14.69	14.70
CA_4A-5A-[30A]	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.66	14.70
CA_4A-[7A]-12A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.56	14.70
CA_4A-12A-[30A]	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.70	14.70
CA_4A-29A-[30A]	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.70	14.70
CA_[2A]-4A-5B	LTE B4	20	20050	1720	QPSK	1	99	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	14.68	14.70
CA_2A-[4A]-5B	LTE B4	20	20050	1720	QPSK	1	99	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	14.66	14.70
CA_[2A]-4A-12B	LTE B4	20	20050	1720	QPSK	1	99	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	14.70	14.70
CA_2A-[4A]-12B	LTE B4	20	20050	1720	QPSK	1	99	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	14.70	14.70
CA_[4A]-4A-5B	LTE B4	20	20050	1720	QPSK	1	99	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	14.70	14.70
CA_[4A]-4A-5B	LTE B4	20	20050	1720	QPSK	1	99	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	14.69	14.70
CA_[4A]-4A-12B	LTE B4	20	20050	1720	QPSK	1	99	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	14.69	14.70
CA_[4A]-4A-12B	LTE B4	20	20050	1720	QPSK	1	99	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	14.67	14.70
CA_[4A]-46D	LTE B4	20	20050	1720	QPSK	1	99	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	14.65	14.70

Table 62
Reduced 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	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.29	14.30
CA_2A-[4A]	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA_[4A]-12A (1)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA_[4A]-12A (2)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.28	14.30
CA_[4A]-17A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.02	14.30
CA_[4A]-29A	LTE B4	10	20000	1715	64QAM	1	49	2000	2115	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.97	14.30
CA_[4A]-46A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA_[2A]-2A-4A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.28	14.30
CA_2A-[4A]-4A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_2A-[4A]-4A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_[2A]-4A-5A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.30	14.30
CA_2A-[4A]-5A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_[2A]-4A-12A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.24	14.30
CA_2A-[4A]-12A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_[2A]-4A-13A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_2A-[4A]-13A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_[2A]-4A-29A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_2A-[4A]-29A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_[2A]-4A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_2A-[4A]-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_2A-4A-[30A]	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.27	14.30
CA_[4A]-4A-5A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.24	14.30
CA_[4A]-4A-5A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_[4A]-4A-7A (1)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_[4A]-4A-7A (1)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_4A-[7A]-7A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	14.24	14.30
CA_[4A]-4A-12A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.22	14.30
CA_[4A]-4A-12A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_[4A]-4A-13A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.23	14.30
CA_[4A]-4A-13A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_[4A]-4A-29A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.23	14.30
CA_[4A]-4A-29A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_[4A]-4A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_[4A]-4A-30A	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_[4A]-46C	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	14.23	14.30
CA_4A-5A-[30A]	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.24	14.30
CA_4A-[7A]-12A (1)	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_4A-12A-[30A]	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.28	14.30
CA_4A-29A-[30A]	LTE B4	20	20050	1720	16QAM	1	99	2050	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.27	14.30
CA_[2A]-4A-5B	LTE B4	20	20050	1720	16QAM	1	99	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	14.27	14.30
CA_2A-[4A]-5B	LTE B4	20	20050	1720	16QAM	1	99	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	14.29	14.30
CA_[2A]-4A-12B	LTE B4	20	20050	1720	16QAM	1	99	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	14.25	14.30
CA_2A-[4A]-12B	LTE B4	20	20050	1720	16QAM	1	99	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	14.28	14.30
CA_[4A]-4A-5B	LTE B4	20	20050	1720	16QAM	1	99	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	14.25	14.30
CA_[4A]-4A-5B	LTE B4	20	20050	1720	16QAM	1	99	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	14.24	14.30
CA_[4A]-4A-12B	LTE B4	20	20050	1720	16QAM	1	99	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	14.22	14.30
CA_[4A]-4A-12B	LTE B4	20	20050	1720	16QAM	1	99	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	14.25	14.30
CA_[4A]-46D	LTE B4	20	20050	1720	16QAM	1	99	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	14.24	14.30

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Table 63
Reduced 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	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA_2A-[4A]	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.93	15.00
CA_[4A]-12A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.90	15.00
CA_[4A]-12A (2)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.90	15.00
CA_[4A]-17A	LTE B4	10	20300	1745	64QAM	1	49	2300	2145	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.98	14.98
CA_[4A]-29A	LTE B4	10	20300	1745	64QAM	1	49	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.00	14.98
CA_[4A]-46A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.92	15.00
CA_[2A]-2A-4A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.94	15.00
CA_2A-[4A]-4A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.94	15.00
CA_2A-[4A]-4A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_[2A]-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_2A-[4A]-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.92	15.00
CA_[2A]-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_2A-[4A]-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.94	15.00
CA_[2A]-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_2A-[4A]-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.93	15.00
CA_[2A]-4A-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.97	15.00
CA_2A-[4A]-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_[2A]-4A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_2A-[4A]-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.94	15.00
CA_2A-4A-[30A]	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.95	15.00
CA_[4A]-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.94	15.00
CA_[4A]-4A-5A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_[4A]-4A-7A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.90	15.00
CA_[4A]-4A-7A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.90	15.00
CA_4A-[7A]-7A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_[4A]-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_[4A]-4A-12A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_[4A]-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_[4A]-4A-13A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.97	15.00
CA_[4A]-4A-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.97	15.00
CA_[4A]-4A-29A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_[4A]-4A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_[4A]-4A-30A	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_[4A]-46C	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	14.94	15.00
CA_4A-5A-[30A]	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.95	15.00
CA_4A-[7A]-12A (1)	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.90	15.00
CA_4A-12A-[30A]	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.98	15.00
CA_4A-29A-[30A]	LTE B4	20	20050	1720	QPSK	1	99	2050	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.93	15.00
CA_[2A]-4A-5B	LTE B4	20	20050	1720	QPSK	1	99	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	14.96	15.00
CA_2A-[4A]-5B	LTE B4	20	20050	1720	QPSK	1	99	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	14.92	15.00
CA_[2A]-4A-12B	LTE B4	20	20050	1720	QPSK	1	99	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	14.96	15.00
CA_2A-[4A]-12B	LTE B4	20	20050	1720	QPSK	1	99	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	14.93	15.00
CA_[4A]-4A-5B	LTE B4	20	20050	1720	QPSK	1	99	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	14.94	15.00
CA_[4A]-4A-5B	LTE B4	20	20050	1720	QPSK	1	99	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	14.95	15.00
CA_[4A]-4A-12B	LTE B4	20	20050	1720	QPSK	1	99	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	14.95	15.00
CA_[4A]-4A-12B	LTE B4	20	20050	1720	QPSK	1	99	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	14.97	15.00
CA_[4A]-46D	LTE B4	20	20050	1720	QPSK	1	99	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	14.92	15.00

Table 64
Reduced 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	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.53	14.50
CA_2A-[4A]	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.53	14.50
CA_[4A]-12A (1)	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.51	14.50
CA_[4A]-12A (2)	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.51	14.50
CA_[4A]-17A	LTE B4	5	20300	1745	16QAM	1	0	2300	2145	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.51	14.50
CA_[4A]-29A	LTE B4	5	20300	1745	16QAM	1	0	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.52	14.50
CA_[4A]-46A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.48	14.50
CA_[2A]-2A-4A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.57	14.50
CA_2A-[4A]-4A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA_2A-[4A]-4A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.59	14.50
CA_[2A]-4A-5A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA_2A-[4A]-5A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA_[2A]-4A-12A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.52	14.50
CA_2A-[4A]-12A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA_[2A]-4A-13A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA_2A-[4A]-13A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_[2A]-4A-29A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_2A-[4A]-29A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA_[2A]-4A-30A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.57	14.50
CA_2A-[4A]-30A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.52	14.50
CA_2A-4A-[30A]	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.55	14.50
CA_[4A]-4A-5A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_[4A]-4A-5A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.57	14.50
CA_[4A]-4A-7A (1)	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.44	14.50
CA_[4A]-4A-7A (1)	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	14.44	14.50
CA_4A-[7A]-7A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	-	-	-	-	-	14.43	14.50
CA_[4A]-4A-12A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA_[4A]-4A-12A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.58	14.50
CA_[4A]-4A-13A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA_[4A]-4A-13A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_[4A]-4A-29A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_[4A]-4A-29A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.57	14.50
CA_[4A]-4A-30A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B4	20	2300	2145	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA_[4A]-4A-30A	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B4	20	2300	2145	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.56	14.50
CA_[4A]-46C	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	14.47	14.50
CA_4A-5A-[30A]	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.58	14.50
CA_4A-[7A]-12A (1)	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.45	14.50
CA_4A-12A-[30A]	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.56	14.50
CA_4A-29A-[30A]	LTE B4	20	20050	1720	QPSK	1	0	2050	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.60	14.50
CA_[2A]-4A-5B	LTE B4	20	20050	1720	QPSK	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	14.59	14.50
CA_2A-[4A]-5B	LTE B4	20	20050	1720	QPSK	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	14.44	14.50
CA_[2A]-4A-12B	LTE B4	20	20050	1720	QPSK	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	14.55	14.50
CA_2A-[4A]-12B	LTE B4	20	20050	1720	QPSK	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	14.51	14.50
CA_[4A]-4A-5B	LTE B4	20	20050	1720	QPSK	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	14.52	14.50
CA_[4A]-4A-5B	LTE B4	20	20050	1720	QPSK	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	14.61	14.50
CA_[4A]-4A-12B	LTE B4	20	20050	1720	QPSK	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	14.48	14.50
CA_[4A]-4A-12B	LTE B4	20	20050	1720	QPSK	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	14.53	14.50
CA_[4A]-46D	LTE B4	20	20050	1720	QPSK	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	14.49	14.50

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1.4.9 LTE Band 66 as PCC

Table 65
Reduced 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	-	-	-	-	-	-	-	-	-	-	14.68	14.70
CA_2A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.68	14.70
CA_[7A]-66A	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.61	14.70
CA_7A-[66A]	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.65	14.70
CA_12A-[66A] (1)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.67	14.70
CA_12A-[66A] (2)	LTE B66	20	132072	1720	64QAM	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.67	14.70
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	-	-	-	-	-	14.66	14.70
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	-	-	-	-	-	14.67	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.69	14.70
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	-	-	-	-	-	14.65	14.70
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	-	-	-	-	-	14.68	14.70
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	-	-	-	-	-	14.69	14.70
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	-	-	-	-	-	14.67	14.70
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	-	-	-	-	-	14.66	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.67	14.70
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	-	-	-	-	-	14.69	14.70
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	-	-	-	-	-	14.67	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.66	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.69	14.70
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	-	-	-	-	-	14.64	14.70
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	-	-	-	-	-	14.68	14.70
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	-	-	-	-	-	14.67	14.70
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	-	-	-	-	-	14.63	14.70
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	-	-	-	-	-	14.60	14.70
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	-	-	-	-	-	14.66	14.70
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	-	-	-	-	-	14.68	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.62	14.70
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	-	-	-	-	-	14.64	14.70
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	-	-	-	-	-	14.69	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.63	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.69	14.70
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	-	-	-	-	-	14.58	14.70
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	-	-	-	-	-	14.68	14.70
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	-	-	-	-	-	14.65	14.70
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	-	-	-	-	-	14.64	14.70
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	-	-	-	-	-	14.69	14.70
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	-	-	-	-	-	14.64	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.63	14.70
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	-	-	-	-	-	14.69	14.70
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	-	-	-	-	-	14.70	14.70
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	-	-	-	-	-	14.69	14.70
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	-	-	-	-	-	14.69	14.70
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	14.65	14.70
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	14.70	14.70
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	14.67	14.70
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	14.68	14.70
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	14.70	14.70
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	14.70	14.70
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	14.70	14.70
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	14.69	14.70
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	14.70	14.70
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	14.67	14.70
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	14.69	14.70
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	14.70	14.70
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	14.67	14.70
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	14.70	14.70
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	14.70	14.70
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	14.66	14.70
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	14.70	14.70
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	14.64	14.70
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	14.65	14.70
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	14.68	14.70
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	14.62	14.70
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	14.70	14.70
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	14.66	14.70
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	14.68	14.70
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	14.64	14.70
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	14.70	14.70
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	14.64	14.70
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	14.67	14.70
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	14.62	14.70
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	14.70	14.70

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Table 66
Reduced 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	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.25	14.30
CA_2A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.30	14.30
CA_{7A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.26	14.30
CA_7A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.30
CA_12A-{66A} (1)	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.24	14.30
CA_12A-{66A} (2)	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.24	14.30
CA_{2A}-2A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_{2C}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	14.27	14.30
CA_2A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_2A-{66B}	LTE B66	15	132047	1717.5	16QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	13.94	14.30
CA_2A-{66C}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_2A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.28	14.30
CA_2A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_{2A}-5A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_2A-5A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.30	14.30
CA_{2A}-12A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_2A-12A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.30	14.30
CA_{2A}-13A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_2A-13A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_{2A}-14A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.28	14.30
CA_2A-14A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.28	14.30
CA_{2A}-29A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_2A-29A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_{2A}-30A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_2A-{30A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.26	14.30
CA_2A-30A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_{2A}-46A-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_2A-46A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.30	14.30
CA_5A-{66B}	LTE B66	15	132047	1717.5	16QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.98	14.30
CA_5A-{66C}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.28	14.30
CA_5A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_5A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_5A-{30A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.26	14.30
CA_12A-{66C}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_12A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_12A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_12A-{30A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.29	14.30
CA_13A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_13A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.27	14.30
CA_13A-{66B}	LTE B66	15	132047	1717.5	16QAM	1	74	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	13.99	14.30
CA_13A-{66C}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.24	14.30
CA_13A-46A-{66A}	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.24	14.30
CA_14A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_14A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_14A-{30A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.26	14.30
CA_29A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_29A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_29A-{30A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.28	14.30
CA_30A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_30A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.25	14.30
CA_46A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.23	14.30
CA_46A-{66A}-66A	LTE B66	20	132072	1720	16QAM	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.26	14.30
CA_{2A}-2A-66B	LTE B66	15	132047	1717.5	16QAM	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	13.87	14.30
CA_{2A}-2A-66C	LTE B66	20	132072	1720	16QAM	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	14.25	14.30
CA_2A-{66A}-66B	LTE B66	20	132072	1720	16QAM	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	14.25	14.30
CA_2A-{66A}-66C	LTE B66	20	132072	1720	16QAM	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	14.27	14.30
CA_{2A}-5A-66B	LTE B66	15	132047	1717.5	16QAM	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	13.95	14.30
CA_{2A}-5A-66C	LTE B66	20	132072	1720	16QAM	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	14.23	14.30
CA_{2A}-5B-66A	LTE B66	20	132072	1720	16QAM	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	14.24	14.30
CA_2A-5B-{66A}	LTE B66	20	132072	1720	16QAM	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	14.27	14.30
CA_{2A}-12A-66C	LTE B66	20	132072	1720	16QAM	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	14.25	14.30
CA_{2A}-13A-66B	LTE B66	15	132047	1717.5	16QAM	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	13.93	14.30
CA_{2A}-13A-66C	LTE B66	20	132072	1720	16QAM	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	14.26	14.30
CA_{2A}-46C-66A	LTE B66	20	132072	1720	16QAM	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	14.23	14.30
CA_2A-46C-{66A}	LTE B66	20	132072	1720	16QAM	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	14.25	14.30
CA_5B-{66A}-66A	LTE B66	20	132072	1720	16QAM	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	14.25	14.30
CA_5B-{66A}-66A	LTE B66	20	132072	1720	16QAM	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	14.26	14.30
CA_5A-{66A}-66B	LTE B66	20	132072	1720	16QAM	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	14.30	14.30
CA_5A-{66A}-66C	LTE B66	20	132072	1720	16QAM	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	14.25	14.30
CA_5B-{30A}-66A	LTE B66	20	132072	1720	16QAM	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	14.25	14.30
CA_13A-{66A}-66B	LTE B66	20	132072	1720	16QAM	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	14.26	14.30
CA_13A-{66A}-66C	LTE B66	20	132072	1720	16QAM	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	14.28	14.30
CA_13A-46C-{66A}	LTE B66	20	132072	1720	16QAM	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	14.26	14.30
CA_46D-{66A}	LTE B66	20	132072	1720	16QAM	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	14.25	14.30
CA_46C-{66A}-66A	LTE B66	20	132072	1720	16QAM	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	14.23	14.30
CA_46C-{66A}-66A	LTE B66	20	132072	1720	16QAM	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	14.26	14.30
CA_2A-66B-{66A}	LTE B66	15	132047	1717.5	16QAM	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	14.30
CA_2A-66C-{66A}	LTE B66	20	132072	1720	16QAM	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	14.27	14.30
CA_5A-66B-{66A}	LTE B66	15	132047	1717.5	16QAM	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	13.94	14.30
CA_5A-66C-{66A}	LTE B66	20	132072	1720	16QAM	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	14.26	14.30
CA_13A-66B-{66A}	LTE B66	15	132047	1717.5	16QAM	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	13.91	14.30
CA_13A-66C-{66A}	LTE B66	20	132072	1720	16QAM	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	14.25	14.30

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Table 67
Reduced 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	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	15.00	15.00
CA_2A-{66A}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.93	15.00
CA_{7A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.98	15.00
CA_7A-{66A}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.86	15.00
CA_12A-{66A} (1)	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.92	15.00
CA_12A-{66A} (2)	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.92	15.00
CA_{2A}-2A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_{2C}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	14.99	15.00
CA_{2C}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.97	15.00
CA_{2A}-66B	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.92	14.98
CA_{2A}-66C	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_2A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_2A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_2A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_2A-5A-{66A}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_{2A}-12A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_2A-12A-{66A}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.97	15.00
CA_{2A}-13A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_2A-13A-{66A}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_{2A}-14A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_2A-14A-{66A}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_{2A}-29A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_2A-29A-{66A}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_{2A}-30A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_2A-{30A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.92	15.00
CA_2A-30A-{66A}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_{2A}-46A-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_2A-46A-{66A}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_5A-{66B}	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.95	14.98
CA_5A-{66C}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_5A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_5A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_5A-{30A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.95	15.00
CA_12A-{66C}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_12A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_12A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_12A-{30A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.95	15.00
CA_13A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_13A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_13A-{66B}	LTE B66	15	132047	1717.5	16QAM	1	36	66511	2117.5	4x4 MIMO	LTE B66	5	66604	2126.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.93	14.98
CA_13A-{66C}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.92	15.00
CA_13A-46A-{66A}	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.92	15.00
CA_14A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.94	15.00
CA_14A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	15.00	15.00
CA_14A-{30A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.98	15.00
CA_29A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_29A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.99	15.00
CA_29A-{30A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.96	15.00
CA_30A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.95	15.00
CA_30A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.98	15.00
CA_46A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_46A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	99	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.96	15.00
CA_{2A}-2A-66B	LTE B66	15	132047	1717.5	16QAM	1	36	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	14.97	14.98
CA_{2A}-2A-66C	LTE B66	20	132072	1720	QPSK	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	14.96	15.00
CA_2A-{66A}-66B	LTE B66	20	132072	1720	QPSK	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	14.98	15.00
CA_2A-{66A}-66C	LTE B66	20	132072	1720	QPSK	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	14.92	15.00
CA_{2A}-5A-66B	LTE B66	15	132047	1717.5	16QAM	1	36	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	14.95	14.98
CA_{2A}-5A-66C	LTE B66	20	132072	1720	QPSK	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	14.98	15.00
CA_{2A}-5B-66A	LTE B66	20	132072	1720	QPSK	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	14.97	15.00
CA_2A-5B-{66A}	LTE B66	20	132072	1720	QPSK	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	14.95	15.00
CA_{2A}-12A-66C	LTE B66	20	132072	1720	QPSK	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	14.93	15.00
CA_{2A}-13A-66B	LTE B66	15	132047	1717.5	16QAM	1	36	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	14.94	14.98
CA_{2A}-13A-66C	LTE B66	20	132072	1720	QPSK	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	14.97	15.00
CA_{2A}-46C-66A	LTE B66	20	132072	1720	QPSK	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	14.97	15.00
CA_2A-46C-{66A}	LTE B66	20	132072	1720	QPSK	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	14.96	15.00
CA_5B-{66A}-66B	LTE B66	20	132072	1720	QPSK	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	14.93	15.00
CA_5B-{66A}-66A	LTE B66	20	132072	1720	QPSK	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	14.95	15.00
CA_5A-{66A}-66B	LTE B66	20	132072	1720	QPSK	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	14.99	15.00
CA_5A-{66A}-66C	LTE B66	20	132072	1720	QPSK	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	14.98	15.00
CA_5B-{30A}-66A	LTE B66	20	132072	1720	QPSK	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	14.93	15.00
CA_13A-{66A}-66B	LTE B66	20	132072	1720	QPSK	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	15.00	15.00
CA_13A-{66A}-66C	LTE B66	20	132072	1720	QPSK	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	14.96	15.00
CA_13A-46C-{66A}	LTE B66	20	132072	1720	QPSK	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	14.97	15.00
CA_46D-{66A}	LTE B66	20	132072	1720	QPSK	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	14.91	15.00
CA_46C-{66A}-66A	LTE B66	20	132072	1720	QPSK	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	14.98	15.00
CA_46C-{66A}-66A	LTE B66	20	132072	1720	QPSK	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	14.96	15.00
CA_2A-66B-{66A}	LTE B66	15	132047	1717.5	16QAM	1	36	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	14.96	14.98
CA_2A-66C-{66A}	LTE B66	20	132072	1720	QPSK	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	14.98	15.00
CA_5A-66B-{66A}	LTE B66	15	132047	1717.5	16QAM	1	36	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	14.94	14.98
CA_5A-66C-{66A}	LTE B66	20	132072	1720	QPSK	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	14.97	15.00
CA_13A-66B-{66A}	LTE B66	15	132047	1717.5	16QAM	1	36	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	14.96	14.98
CA_13A-66C-{66A}	LTE B66	20	132072	1720	QPSK	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	15.00	15.00

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Table 68
Reduced 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	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.52	14.50
CA_2A-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.49	14.50
CA_{7A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B7	20	3100	2655	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.51	14.50
CA_7A-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B7	20	3100	2655	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.46	14.50
CA_12A-{66A} (1)	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.51	14.50
CA_12A-{66A} (2)	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.51	14.50
CA_{2A}-2A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_{2C}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	14.59	14.50
CA_2C-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA_{2A-66B}	LTE B66	15	132322	1745	16QAM	1	0	66786	2145	4x4 MIMO	LTE B66	5	66693	2135.7	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.29	14.50
CA_2A-{66C}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.50	14.50
CA_2A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.51	14.50
CA_2A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	-	-	-	-	-	14.50	14.50
CA_{2A}-5A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.57	14.50
CA_2A-5A-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA_{2A}-12A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.58	14.50
CA_2A-12A-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_{2A}-13A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.56	14.50
CA_2A-13A-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.52	14.50
CA_{2A}-14A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_2A-14A-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA_{2A}-29A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA_2A-29A-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA_{2A}-30A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.51	14.50
CA_2A-{30A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.57	14.50
CA_2A-30A-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_{2A}-46A-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_2A-46A-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA_5A-{66B}	LTE B66	15	132322	1745	16QAM	1	0	66786	2145	4x4 MIMO	LTE B66	5	66693	2135.7	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.31	14.50
CA_5A-{66C}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.49	14.50
CA_5A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA_5A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.59	14.50
CA_5A-{30A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.57	14.50
CA_12A-{66C}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA_12A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA_12A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.56	14.50
CA_12A-{30A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.59	14.50
CA_13A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.54	14.50
CA_13A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.52	14.50
CA_13A-{66B}	LTE B66	15	132322	1745	16QAM	1	0	66786	2145	4x4 MIMO	LTE B66	5	66693	2135.7	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.30	14.50
CA_13A-{66C}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	66734	2139.8	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.49	14.50
CA_13A-46A-{66A}	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA_14A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.57	14.50
CA_14A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.58	14.50
CA_14A-{30A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.56	14.50
CA_29A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.55	14.50
CA_29A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.52	14.50
CA_29A-{30A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.58	14.50
CA_30A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.56	14.50
CA_30A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.53	14.50
CA_46A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.49	14.50
CA_46A-{66A}-66A	LTE B66	20	132072	1720	QPSK	1	0	66536	2120	2x2 MIMO	LTE B66	20	67236	2190	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.58	14.50
CA_{2A}-2A-66B	LTE B66	15	132322	1745	16QAM	1	0	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	14.31	14.50
CA_{2A}-2A-66C	LTE B66	20	132072	1720	QPSK	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	14.48	14.50
CA_2A-{66A}-66B	LTE B66	20	132072	1720	QPSK	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	14.51	14.50
CA_2A-{66A}-66C	LTE B66	20	132072	1720	QPSK	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	14.47	14.50
CA_{2A}-5A-66B	LTE B66	15	132322	1745	16QAM	1	0	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	14.25	14.50
CA_{2A}-5A-66C	LTE B66	20	132072	1720	QPSK	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	14.53	14.50
CA_{2A}-5B-66A	LTE B66	20	132072	1720	QPSK	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	14.49	14.50
CA_2A-5B-{66A}	LTE B66	20	132072	1720	QPSK	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	14.54	14.50
CA_{2A}-12A-66C	LTE B66	20	132072	1720	QPSK	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	14.51	14.50
CA_{2A}-13A-66B	LTE B66	15	132322	1745	16QAM	1	0	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	14.27	14.50
CA_{2A}-13A-66C	LTE B66	20	132072	1720	QPSK	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	14.49	14.50
CA_{2A}-46C-66A	LTE B66	20	132072	1720	QPSK	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	14.50	14.50
CA_2A-46C-{66A}	LTE B66	20	132072	1720	QPSK	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	14.52	14.50
CA_5B-{66A}-66B	LTE B66	20	132072	1720	QPSK	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	14.53	14.50
CA_5B-{66A}-66A	LTE B66	20	132072	1720	QPSK	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	14.52	14.50
CA_5A-{66A}-66B	LTE B66	20	132072	1720	QPSK	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	14.54	14.50
CA_5A-{66A}-66C	LTE B66	20	132072	1720	QPSK	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	14.53	14.50
CA_5B-{30A}-66A	LTE B66	20	132072	1720	QPSK	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	14.51	14.50
CA_13A-{66A}-66B	LTE B66	20	132072	1720	QPSK	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	14.55	14.50
CA_13A-{66A}-66C	LTE B66	20	132072	1720	QPSK	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	14.50
CA_13A-46C-{66A}	LTE B66	20	132072	1720	QPSK	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	14.53	14.50
CA_46D-{66A}	LTE B66	20	132072	1720	QPSK	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	14.50	14.50
CA_46C-{66A}-66A	LTE B66	20	132072	1720	QPSK	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	14.51	14.50
CA_46C-{66A}-66A	LTE B66	20	132072	1720	QPSK	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	14.52	14.50
CA_2A-66B-{66A}	LTE B66	15	132322	1745	16QAM	1	0	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	14.32	14.50
CA_2A-66C-{66A}	LTE B66	20	132072	1720	QPSK	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	14.50	14.50
CA_5A-66B-{66A}	LTE B66	15	132322	1745	16QAM	1	0	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	14.30	14.50
CA_5A-66C-{66A}	LTE B66	20	132072	1720	QPSK	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	14.52	14.50
CA_13A-66B-{66A}	LTE B66	15	132322	1745	16QAM	1	0	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	14.29	14.50
CA_13A-66C-{66A}	LTE B66	20	132072	1720	QPSK	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	14.51	14.50

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1.4.10 LTE Band 2 as PCC

Table 69
Reduced 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	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.99	14.00
CA_2A-[4A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA_[2A]-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.00	14.00
CA_[2A]-17A	LTE B2	10	18650	1855	64QAM	1	49	650	1935	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.76	13.98
CA_[2A]-29A	LTE B2	10	18650	1855	64QAM	1	49	650	1935	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.77	13.98
CA_[2A]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.98	14.00
CA_2A-[66A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	13.99	14.00
CA_[2A]-2A-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.99	14.00
CA_[2A]-2A-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-[4A]-4A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-2A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.97	14.00
CA_[2A]-2A-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_[2C]-5A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.99	14.00
CA_[2A]-2A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.99	14.00
CA_[2A]-2A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_[2C]-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.98	14.00
CA_[2A]-2A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-2A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	13.99	14.00
CA_[2A]-2A-14A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	13.96	14.00
CA_[2A]-2A-14A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-2A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.97	14.00
CA_[2A]-2A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_[2C]-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.97	14.00
CA_[2C]-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_2C-[30A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	727	1942.7	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	13.96	14.00
CA_[2A]-2A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	13.98	14.00
CA_[2A]-2A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-2A-46A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	13.98	14.00
CA_[2A]-2A-46A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-2A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.97	14.00
CA_[2A]-2A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_[2C]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	727	1942.7	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.98	14.00
CA_2C-[66A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	727	1942.7	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-[66B]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-[66C]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-[66A]-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-4A-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-[4A]-12A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-4A-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-[4A]-13A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-4A-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-[4A]-29A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-4A-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-[4A]-30A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-4A-[30A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	13.97	14.00
CA_2A-5A-[66A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-12A-[30A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	13.99	14.00
CA_[2A]-12A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.99	14.00
CA_2A-12A-[66A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-13A-46A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	13.93	14.00
CA_[2A]-13A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-13A-[66A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-14A-[30A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-14A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-14A-[66A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-29A-[30A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-29A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-29A-[66A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-30A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.00	14.00
CA_2A-30A-[66A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-46A-66A	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.97	14.00
CA_2A-46A-[66A]	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.00	14.00
CA_[2A]-2A-12B	LTE B2	20	18925	1882.5	QPSK	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	13.96	14.00
CA_[2A]-2A-12B	LTE B2	20	18925	1882.5	QPSK	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	13.97	14.00
CA_[2A]-2A-46C	LTE B2	20	18925	1882.5	QPSK	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	13.97	14.00
CA_[2A]-2A-46C	LTE B2	20	18925	1882.5	QPSK	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	13.98	14.00
CA_[2A]-46D	LTE B2	20	18925	1882.5	QPSK	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	13.93	14.00
CA_[2A]-2A-66B	LTE B2	20	18925	1882.5	QPSK	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	13.94	14.00
CA_[2A]-2A-66B	LTE B2	20	18925	1882.5	QPSK	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	13.96	14.00
CA_[2A]-2A-66C	LTE B2	20	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	LTE B66	20	66984	2164.8	2x2 MIMO	13.97	14.00
CA_[2A]-2A-66C	LTE B2	20	18925	1882.5	QPSK	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	13.96	14.00
CA_2A-[66A]-66B	LTE B2	20	18925	1882.5	QPSK	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	13.94	14.00
CA_2A-[66A]-66C	LTE B2	20	18925	1882.5	QPSK	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	14.00	14.00
CA_[2A]-4A-5B	LTE B2	20	18925	1882.5	QPSK	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	13.95	14.00
CA_2A-[4A]-5B	LTE B2	20	18925	1882.5	QPSK	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	13.94	14.00
CA_[2A]-4A-12B	LTE B2	20	18925	1882.5	QPSK	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	13.96	14.00
CA_2A-[4A]-12B	LTE B2	20	18925	1882.5	QPSK	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	13.95	14.00
CA_2A-5B-[30A]	LTE B2	20	18925	1882.5	QPSK	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	13.90	14.00
CA_[2A]-5A-66B	LTE B2	20	18925	1882.5	QPSK	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	13.99	14.00
CA_[2A]-5A-66C	LTE B2	20	18925	1882.5	QPSK	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	14.00	14.00
CA_[2A]-5B-66A	LTE B2	20	18925	1882.5	QPSK	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	13.96	14.00
CA_2A-5B-[66A]	LTE B2	20	18925	1882.5	QPSK	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	13.91	14.00
CA_[2A]-12A-66C	LTE B2	20	18925	1882.5	QPSK	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	13.95	14.00
CA_[2A]-13A-66B	LTE B2	20	18925	1882.5	QPSK	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	14.00	14.00
CA_[2A]-13A-66C	LTE B2	20	18925	1882.5	QPSK	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	13.95	14.00
CA_[2A]-46C-66A	LTE B2	20	18925	1882.5	QPSK	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	13.96	14.00
CA_2A-46C-[66A]	LTE B2	20	18925	1882.5	QPSK	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	13.94	14.00

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Table 70
Reduced 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	1.4	19193	1909.3	64QAM	1	0	1193	1989.3	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.64	13.70
CA_2A-[4A]	LTE B2	1.4	19193	1909.3	64QAM	1	0	1193	1989.3	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	13.35	13.70
CA_[2A]-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.63	13.68
CA_[2A]-17A	LTE B2	10	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.57	13.67
CA_[2A]-29A	LTE B2	10	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.52	13.67
CA_[2A]-66A	LTE B2	1.4	19193	1909.3	64QAM	1	0	1193	1989.3	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	13.59	13.70
CA_2A-[66A]	LTE B2	1.4	19193	1909.3	64QAM	1	0	1193	1989.3	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	13.36	13.70
CA_[2A]-2A-4A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.58	13.68
CA_[2A]-2A-4A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.58	13.68
CA_2A-[4A]-4A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	13.59	13.68
CA_[2A]-2A-5A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.61	13.68
CA_[2A]-2A-5A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.59	13.68
CA_[2C]-5A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.63	13.68
CA_[2A]-2A-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.63	13.68
CA_[2A]-2A-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_[2C]-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.55	13.68
CA_[2A]-2A-13A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	13.62	13.68
CA_[2A]-2A-13A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_[2A]-2A-14A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	13.62	13.68
CA_[2A]-2A-14A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	13.59	13.68
CA_[2A]-2A-29A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.61	13.68
CA_[2A]-2A-29A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_[2C]-29A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.58	13.68
CA_[2C]-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	13.59	13.68
CA_2C-[30A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	754	1945.4	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	13.58	13.68
CA_[2A]-2A-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	13.61	13.68
CA_[2A]-2A-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_[2A]-2A-46A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_[2A]-2A-46A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	13.61	13.68
CA_[2A]-2A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.59	13.68
CA_[2A]-2A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_[2C]-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B2	20	754	1945.4	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_2C-[66A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B2	20	754	1945.4	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.63	13.68
CA_2A-[66B]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	13.62	13.68
CA_2A-[66C]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	13.58	13.68
CA_2A-[66A]-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	13.59	13.68
CA_[2A]-4A-5A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.61	13.68
CA_2A-[4A]-5A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.58	13.68
CA_[2A]-4A-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_2A-[4A]-12A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	4x4 MIMO	-	-	-	-	-	13.58	13.68
CA_[2A]-4A-13A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	13.61	13.68
CA_2A-[4A]-13A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	4x4 MIMO	-	-	-	-	-	13.63	13.68
CA_[2A]-4A-29A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.62	13.68
CA_2A-[4A]-29A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	4x4 MIMO	-	-	-	-	-	13.61	13.68
CA_[2A]-4A-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	13.59	13.68
CA_2A-[4A]-30A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	13.62	13.68
CA_2A-4A-[30A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	13.59	13.68
CA_2A-5A-[30A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	13.56	13.68
CA_[2A]-5A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.62	13.68
CA_2A-5A-[66A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.66	13.68
CA_2A-12A-[30A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	13.59	13.68
CA_[2A]-12A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.59	13.68
CA_2A-12A-[66A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.60	13.68
CA_[2A]-13A-46A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	13.63	13.68
CA_[2A]-13A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.61	13.68
CA_2A-13A-[66A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.60	13.68
CA_2A-14A-[30A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	13.56	13.68
CA_[2A]-14A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_2A-14A-[66A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.59	13.68
CA_2A-29A-[30A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	13.57	13.68
CA_[2A]-29A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_2A-29A-[66A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.57	13.68
CA_[2A]-30A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.59	13.68
CA_2A-[30A]-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.55	13.68
CA_2A-30A-[66A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.58	13.68
CA_[2A]-46A-66A	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_2A-46A-[66A]	LTE B2	15	18925	1882.5	QPSK	1	0	925	1962.5	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.60	13.68
CA_[2A]-2A-12B	LTE B2	15	18925	1882.5	QPSK	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	13.60	13.68
CA_[2A]-2A-12B	LTE B2	15	18925	1882.5	QPSK	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	13.60	13.68
CA_[2A]-2A-46C	LTE B2	15	18925	1882.5	QPSK	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	13.57	13.68
CA_[2A]-2A-46C	LTE B2	15	18925	1882.5	QPSK	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	13.62	13.68
CA_[2A]-46D	LTE B2	15	18925	1882.5	QPSK	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	13.58	13.68
CA_[2A]-2A-66B	LTE B2	15	18925	1882.5	QPSK	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	13.59	13.68
CA_[2A]-2A-66B	LTE B2	15	18925	1882.5	QPSK	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	13.61	13.68
CA_[2A]-2A-66C	LTE B2	15	18925	1882.5	QPSK	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	13.62	13.68
CA_[2A]-2A-66C	LTE B2	15	18925	1882.5	QPSK	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	13.64	13.68
CA_2A-[66A]-66B	LTE B2	15	18925	1882.5	QPSK	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	13.63	13.68
CA_2A-[66A]-66C	LTE B2	15	18925	1882.5	QPSK	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	13.60	13.68
CA_[2A]-4A-5B	LTE B2	15	18925	1882.5	QPSK	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	13.59	13.68
CA_2A-[4A]-5B	LTE B2	15	18925	1882.5	QPSK	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	13.63	13.68
CA_[2A]-4A-12B	LTE B2	15	18925	1882.5	QPSK	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	13.59	13.68
CA_2A-[4A]-12B	LTE B2	15	18925	1882.5	QPSK	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	13.62	13.68
CA_2A-5B-[30A]	LTE B2	15	18925	1882.5	QPSK	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	13.56	13.68
CA_[2A]-5A-66B	LTE B2	15	18925	1882.5	QPSK	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	13.60	13.68
CA_[2A]-5A-66C	LTE B2	15	18925	1882.5	QPSK	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	13.65	13.68
CA_[2A]-5B-66A	LTE B2	15	18925	1882.5	QPSK	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	13.58	13.68
CA_2A-5B-[66A]	LTE B2	15	18925	1882.5	QPSK	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	13.64	13.68
CA_[2A]-12A-66C	LTE B2	15	18925	1882.5	QPSK	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	13.60	13.68
CA_[2A]-13A-66B	LTE B2	15	18925	1882.5	QPSK	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	13.64	13.68
CA_[2A]-13A-66C	LTE B2	15	18925	1882.5	QPSK	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	13.60	13.68
CA_[2A]-46C-66A	LTE B2	15	18925	1882.5	QPSK	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	13.61	13.68
CA_2A-46C-[66A]	LTE B2	15	18925	1882.5	QPSK	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	13.61	13.68

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Table 71
Reduced 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	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.13	15.30
CA_2A-[4A]	LTE B2	20	18700	1860	16QAM	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	16QAM	1	0	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.18	15.30
CA_[2A]-17A	LTE B2	5	18625	1852.5	QPSK	12	0	625	1932.5	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.26	15.30
CA_[2A]-29A	LTE B2	5	18625	1852.5	QPSK	12	0	625	1932.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.27	15.30
CA_[2A]-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.14	15.30
CA_2A-[66A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	15.22	15.30
CA_[2A]-2A-4A	LTE B2	20	18700	1860	16QAM	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	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	15.12	15.30
CA_2A-[4A]-4A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	15.16	15.30
CA_[2A]-2A-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.13	15.30
CA_[2A]-2A-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.18	15.30
CA_[2C]-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.18	15.30
CA_[2A]-2A-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.11	15.30
CA_[2A]-2A-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.05	15.30
CA_[2C]-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.15	15.30
CA_[2A]-2A-13A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.16	15.30
CA_[2A]-2A-13A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.15	15.30
CA_[2A]-2A-14A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	15.10	15.30
CA_[2A]-2A-14A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	15.16	15.30
CA_[2A]-2A-29A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.17	15.30
CA_[2A]-2A-29A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.13	15.30
CA_[2C]-29A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.14	15.30
CA_[2C]-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.14	15.30
CA_2C-[30A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.15	15.30
CA_[2A]-2A-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.13	15.30
CA_[2A]-2A-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.13	15.30
CA_[2A]-2A-46A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	15.19	15.30
CA_[2A]-2A-46A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	15.16	15.30
CA_[2A]-2A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.11	15.30
CA_[2A]-2A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.13	15.30
CA_[2C]-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.15	15.30
CA_2C-[66A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.08	15.30
CA_2A-[66B]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	15.18	15.30
CA_2A-[66C]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	15.13	15.30
CA_2A-[66A]-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	15.12	15.30
CA_[2A]-4A-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.13	15.30
CA_2A-[4A]-5A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.13	15.30
CA_[2A]-4A-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.16	15.30
CA_2A-[4A]-12A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	15.17	15.30
CA_[2A]-4A-13A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.09	15.30
CA_2A-[4A]-13A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	15.20	15.30
CA_[2A]-4A-29A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.14	15.30
CA_2A-[4A]-29A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	15.19	15.30
CA_[2A]-4A-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.18	15.30
CA_2A-[4A]-30A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	15.09	15.30
CA_2A-4A-[30A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.13	15.30
CA_2A-5A-[30A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.15	15.30
CA_[2A]-5A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.12	15.30
CA_2A-5A-[66A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.19	15.30
CA_2A-12A-[30A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.14	15.30
CA_[2A]-12A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.15	15.30
CA_2A-12A-[66A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.20	15.30
CA_[2A]-13A-46A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	15.12	15.30
CA_[2A]-13A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.18	15.30
CA_2A-13A-[66A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.17	15.30
CA_2A-14A-[30A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.16	15.30
CA_[2A]-14A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.16	15.30
CA_2A-14A-[66A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.13	15.30
CA_2A-29A-[30A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	15.16	15.30
CA_[2A]-29A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.11	15.30
CA_2A-29A-[66A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.19	15.30
CA_[2A]-30A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.12	15.30
CA_2A-[30A]-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.08	15.30
CA_2A-30A-[66A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.18	15.30
CA_[2A]-46A-66A	LTE B2	20	18700	1860	16QAM	1	0	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	15.15	15.30
CA_2A-46A-[66A]	LTE B2	20	18700	1860	16QAM	1	0	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	15.13	15.30
CA_[2A]-2A-12B	LTE B2	20	18700	1860	16QAM	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	15.14	15.30
CA_[2A]-2A-12B	LTE B2	20	18700	1860	16QAM	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	15.13	15.30
CA_[2A]-2A-46C	LTE B2	20	18700	1860	16QAM	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	15.09	15.30
CA_[2A]-2A-46C	LTE B2	20	18700	1860	16QAM	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	15.30
CA_[2A]-46D	LTE B2	20	18700	1860	16QAM	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	15.15	15.30
CA_[2A]-2A-66B	LTE B2	20	18700	1860	16QAM	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	15.08	15.30
CA_[2A]-2A-66B	LTE B2	20	18700	1860	16QAM	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	15.16	15.30
CA_[2A]-2A-66C	LTE B2	20	18700	1860	16QAM	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	15.20	15.30
CA_[2A]-2A-66C	LTE B2	20	18700	1860	16QAM	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	15.10	15.30
CA_2A-[66A]-66B	LTE B2	20	18700	1860	16QAM	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	15.13	15.30
CA_2A-[66A]-66C	LTE B2	20	18700	1860	16QAM	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	15.10	15.30
CA_[2A]-4A-5B	LTE B2	20	18700	1860	16QAM	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	15.18	15.30
CA_2A-[4A]-5B	LTE B2	20	18700	1860	16QAM	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	15.13	15.30
CA_[2A]-4A-12B	LTE B2	20	18700	1860	16QAM	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	15.14	15.30
CA_2A-[4A]-12B	LTE B2	20	18700	1860	16QAM	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	15.12	15.30
CA_2A-5B-[30A]	LTE B2	20	18700	1860	16QAM	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	15.09	15.30
CA_[2A]-5A-66B	LTE B2	20	18700	1860	16QAM	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	15.13	15.30
CA_[2A]-5A-66C	LTE B2	20	18700	1860	16QAM	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	15.12	15.30
CA_[2A]-5B-66A	LTE B2	20	18700	1860	16QAM	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	15.18	15.30
CA_2A-5B-[66A]	LTE B2	20	18700	1860	16QAM	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	15.08	15.30
CA_[2A]-12A-66C	LTE B2	20	18700	1860	16QAM	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	15.11	15.30
CA_[2A]-13A-66B	LTE B2	20	18700	1860	16QAM	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	15.18	15.30
CA_[2A]-13A-66C	LTE B2	20	18700	1860	16QAM	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	15.14	15.30
CA_[2A]-46C-66A	LTE B2	20	18700	1860	16QAM	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	15.13	15.30
CA_2A-46C-[66A]	LTE B2	20	18700	1860	16QAM	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	15.15	15.30

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Table 72
Reduced 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	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.17	14.20
CA_2A-[4A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.15	14.20
CA_[2A]-12A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.16	14.20
CA_[2A]-17A	LTE B2	10	18650	1855	QPSK	1	0	650	1935	4x4 MIMO	LTE B17	10	5790	740	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.11	14.20
CA_[2A]-29A	LTE B2	10	18650	1855	QPSK	1	0	650	1935	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.09	14.20
CA_[2A]-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.16	14.20
CA_2A-[66A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.16	14.20
CA_[2A]-2A-4A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.14	14.20
CA_[2A]-2A-4A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	14.17	14.20
CA_2A-[4A]-4A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	14.18	14.20
CA_[2A]-2A-5A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.16	14.20
CA_[2A]-2A-5A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.16	14.20
CA_[2C]-5A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.15	14.20
CA_[2A]-2A-12A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.18	14.20
CA_[2A]-2A-12A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.18	14.20
CA_[2C]-12A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.19	14.20
CA_[2A]-2A-13A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.17	14.20
CA_[2A]-2A-13A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.19	14.20
CA_[2A]-2A-14A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.15	14.20
CA_[2A]-2A-14A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	14.15	14.20
CA_[2A]-2A-29A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.17	14.20
CA_[2A]-2A-29A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.16	14.20
CA_[2C]-29A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.16	14.20
CA_[2C]-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.18	14.20
CA_2C-[30A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.12	14.20
CA_[2A]-2A-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.16	14.20
CA_[2A]-2A-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.17	14.20
CA_[2A]-2A-46A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.20	14.20
CA_[2A]-2A-46A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.18	14.20
CA_[2A]-2A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	1100	1980	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.18	14.20
CA_[2A]-2A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	1100	1980	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.19	14.20
CA_[2C]-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B2	20	898	1959.8	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.20	14.20
CA_2C-[66A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B2	20	898	1959.8	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.16	14.20
CA_2A-[66B]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B66	15	66786	2145	4x4 MIMO	LTE B66	5	66879	2154.3	4x4 MIMO	-	-	-	-	-	14.17	14.20
CA_2A-[66C]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	66984	2164.8	4x4 MIMO	-	-	-	-	-	14.17	14.20
CA_2A-[66A]-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	14.19	14.20
CA_[2A]-4A-5A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.13	14.20
CA_2A-[4A]-5A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.20	14.20
CA_[2A]-4A-12A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.14	14.20
CA_2A-[4A]-12A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	14.17	14.20
CA_[2A]-4A-13A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.15	14.20
CA_2A-[4A]-13A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	-	-	-	-	-	14.18	14.20
CA_[2A]-4A-29A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.14	14.20
CA_2A-[4A]-29A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	14.16	14.20
CA_[2A]-4A-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.13	14.20
CA_2A-[4A]-30A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	-	-	-	-	-	14.15	14.20
CA_2A-4A-[30A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.12	14.20
CA_2A-5A-[30A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.11	14.20
CA_[2A]-5A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.14	14.20
CA_2A-5A-[66A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.14	14.20
CA_2A-12A-[30A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.09	14.20
CA_[2A]-12A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.18	14.20
CA_2A-12A-[66A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.13	14.20
CA_[2A]-13A-46A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	14.15	14.20
CA_[2A]-13A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.19	14.20
CA_2A-13A-[66A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B13	10	5230	751	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.15	14.20
CA_2A-14A-[30A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.10	14.20
CA_[2A]-14A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.16	14.20
CA_2A-14A-[66A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.16	14.20
CA_2A-29A-[30A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	-	-	-	-	-	14.11	14.20
CA_[2A]-29A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.17	14.20
CA_2A-29A-[66A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.18	14.20
CA_[2A]-30A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.15	14.20
CA_2A-[30A]-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B30	10	9820	2355	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.10	14.20
CA_2A-30A-[66A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B30	10	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.12	14.20
CA_[2A]-46A-66A	LTE B2	20	18700	1860	64QAM	1	99	700	1940	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	14.19	14.20
CA_2A-46A-[66A]	LTE B2	20	18700	1860	64QAM	1	99	700	1940	2x2 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	14.13	14.20
CA_[2A]-2A-12B	LTE B2	20	18700	1860	64QAM	1	99	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	14.18	14.20
CA_[2A]-2A-12B	LTE B2	20	18700	1860	64QAM	1	99	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	14.12	14.20
CA_[2A]-2A-46C	LTE B2	20	18700	1860	64QAM	1	99	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	14.12	14.20
CA_[2A]-2A-46C	LTE B2	20	18700	1860	64QAM	1	99	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	14.16	14.20
CA_[2A]-46D	LTE B2	20	18700	1860	64QAM	1	99	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	14.15	14.20
CA_[2A]-2A-66B	LTE B2	20	18700	1860	64QAM	1	99	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	14.16	14.20
CA_[2A]-2A-66B	LTE B2	20	18700	1860	64QAM	1	99	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	14.17	14.20
CA_[2A]-2A-66C	LTE B2	20	18700	1860	64QAM	1	99	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	14.20	14.20
CA_[2A]-2A-66C	LTE B2	20	18700	1860	64QAM	1	99	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	14.13	14.20
CA_2A-[66A]-66B	LTE B2	20	18700	1860	64QAM	1	99	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	14.13	14.20
CA_2A-[66A]-66C	LTE B2	20	18700	1860	64QAM	1	99	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	14.16	14.20
CA_[2A]-4A-5B	LTE B2	20	18700	1860	64QAM	1	99	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	14.19	14.20
CA_2A-[4A]-5B	LTE B2	20	18700	1860	64QAM	1	99	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	14.13	14.20
CA_[2A]-4A-12B	LTE B2	20	18700	1860	64QAM	1	99	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	14.16	14.20
CA_2A-[4A]-12B	LTE B2	20	18700	1860	64QAM	1	99	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	14.17	14.20
CA_2A-5B-[30A]	LTE B2	20	18700	1860	64QAM	1	99	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	14.10	14.20
CA_[2A]-5A-66B	LTE B2	20	18700	1860	64QAM	1	99	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	14.15	14.20
CA_[2A]-5A-66C	LTE B2	20	18700	1860	64QAM	1	99	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	14.14	14.20
CA_[2A]-5B-66A	LTE B2	20	18700	1860	64QAM	1	99	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	14.18	14.20
CA_2A-5B-[66A]	LTE B2	20	18700	1860	64QAM	1	99	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	14.14	14.20
CA_[2A]-12A-66C	LTE B2	20	18700	1860	64QAM	1	99	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	14.17	14.20
CA_[2A]-13A-66B	LTE B2	20	18700	1860	64QAM	1	99	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	14.19	14.20
CA_[2A]-13A-66C	LTE B2	20	18700	1860	64QAM	1	99	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	14.14	14.20
CA_[2A]-46C-66A	LTE B2	20	18700	1860	64QAM	1	99	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	14.18	14.20
CA_2A-46C-[66A]	LTE B2	20	18700	1860	64QAM	1	99	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	14.18	14.20

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1.4.11 LTE Band 25 as PCC

Table 73
Reduced 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	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.92	14.00
CA_[25A]-26A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	13.98	14.00
CA_[25A]-25A-26A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B25	20	8140	1940	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	13.96	14.00
CA_[25A]-25A-26A	LTE B25	20	26365	1882.5	QPSK	1	0	8365	1962.5	2x2 MIMO	LTE B25	20	8140	1940	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	13.95	14.00

Table 74
Reduced 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	15	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.63	13.68
CA_[25A]-26A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	13.60	13.68
CA_[25A]-25A-26A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	4x4 MIMO	LTE B25	20	8140	1940	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	13.63	13.68
CA_[25A]-25A-26A	LTE B25	15	26365	1882.5	QPSK	1	0	8365	1962.5	2x2 MIMO	LTE B25	20	8140	1940	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	13.66	13.68

Table 75
Reduced 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	20	26140	1860	16QAM	1	0	8140	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	15.17	15.30
CA_[25A]-26A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	15.15	15.30
CA_[25A]-25A-26A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	15.17	15.30
CA_[25A]-25A-26A	LTE B25	20	26140	1860	16QAM	1	0	8140	1940	2x2 MIMO	LTE B25	20	8590	1985	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	15.12	15.30

Table 76
Reduced 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	20	26140	1860	64QAM	1	99	8140	1940	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	14.18	14.20
CA_[25A]-26A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	4x4 MIMO	LTE B26	10	8865	876.5	2x2 MIMO	-	-	-	-	-	14.17	14.20
CA_[25A]-25A-26A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	4x4 MIMO	LTE B25	20	8590	1985	2x2 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	14.20	14.20
CA_[25A]-25A-26A	LTE B25	20	26140	1860	64QAM	1	99	8140	1940	2x2 MIMO	LTE B25	20	8590	1985	4x4 MIMO	LTE B26	5	8865	876.5	2x2 MIMO	14.17	14.20

1.4.12 LTE Band 30 as PCC

Table 77
Reduced 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	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	4x4 MIMO	-	-	-	-	-	12.57	12.60
CA_2C-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	12.50	12.60
CA_[2A]-2A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	12.58	12.60
CA_[2A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.60	12.60
CA_2A-[4A]-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	12.60	12.60
CA_2A-4A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.58	12.60
CA_2A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	12.54	12.60
CA_2A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.56	12.60
CA_2A-14A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	12.57	12.60
CA_2A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	12.60	12.60
CA_[2A]-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.60	12.60
CA_2A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.60	12.60
CA_2A-30A-[66A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	12.59	12.60
CA_[4A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	12.56	12.60
CA_4A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	12.58	12.60
CA_4A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.55	12.60
CA_4A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	12.57	12.60
CA_5A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.47	12.60
CA_12A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.55	12.60
CA_14A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.55	12.60
CA_29A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.57	12.60
CA_30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	12.60	12.60
CA_2A-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	49	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	12.56	12.60
CA_5B-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	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	12.53	12.60

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Table 78
Reduced 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	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	12.89	12.90
CA_2C-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	12.89	12.90
CA_[2A]-2A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	12.90	12.90
CA_[2A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.85	12.90
CA_2A-[4A]-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	12.86	12.90
CA_2A-4A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.90	12.90
CA_2A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	12.89	12.90
CA_2A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.89	12.90
CA_2A-14A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	12.90	12.90
CA_2A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	12.86	12.90
CA_[2A]-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.87	12.90
CA_2A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.90	12.90
CA_2A-30A-[66A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	12.90	12.90
CA_[4A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	12.84	12.90
CA_4A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	12.90	12.90
CA_4A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.89	12.90
CA_4A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	12.90	12.90
CA_5A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.84	12.90
CA_12A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.87	12.90
CA_14A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.89	12.90
CA_29A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	12.90	12.90
CA_30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	12.85	12.90
CA_2A-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	49	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	12.85	12.90
CA_5B-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	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	12.86	12.90

Table 79
Reduced 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	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	13.50	13.50
CA_2C-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	13.47	13.50
CA_[2A]-2A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	13.47	13.50
CA_[2A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.49	13.50
CA_2A-[4A]-30A	LTE B30	10	27710	2310	QPSK	1	49	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	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.50	13.50
CA_2A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.47	13.50
CA_2A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.50	13.50
CA_2A-14A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	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	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.46	13.50
CA_[2A]-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.50	13.50
CA_2A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	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	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.41	13.50
CA_[4A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	13.48	13.50
CA_4A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.42	13.50
CA_4A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.44	13.50
CA_4A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.48	13.50
CA_5A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.47	13.50
CA_12A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.49	13.50
CA_14A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.46	13.50
CA_29A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.45	13.50
CA_30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	13.44	13.50
CA_2A-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	49	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	13.50	13.50
CA_5B-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	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	13.41	13.50

Table 80
Reduced 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	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	13.22	13.20
CA_2C-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B2	20	702	1940.2	2x2 MIMO	-	-	-	-	-	13.21	13.20
CA_[2A]-2A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B2	20	700	1940	2x2 MIMO	-	-	-	-	-	13.24	13.20
CA_[2A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.26	13.20
CA_2A-[4A]-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	-	-	-	-	-	13.29	13.20
CA_2A-4A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	13.23	13.20
CA_2A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.22	13.20
CA_2A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.24	13.20
CA_2A-14A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B14	10	5330	763	2x2 MIMO	-	-	-	-	-	13.25	13.20
CA_2A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.23	13.20
CA_[2A]-30A-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.26	13.20
CA_2A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.24	13.20
CA_2A-30A-[66A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B2	20	900	1960	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	13.30	13.20
CA_[4A]-4A-30A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	13.28	13.20
CA_4A-5A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	13.24	13.20
CA_4A-12A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	13.26	13.20
CA_4A-29A-[30A]	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	-	-	-	-	-	13.23	13.20
CA_5A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.22	13.20
CA_12A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.25	13.20
CA_14A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B14	10	5330	763	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.23	13.20
CA_29A-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	4x4 MIMO	LTE B29	10	9715	722.5	2x2 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	13.26	13.20
CA_30A-[66A]-66A	LTE B30	10	27710	2310	QPSK	1	49	9820	2355	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	LTE B66	20	67236	2190	2x2 MIMO	-	-	-	-	-	13.27	13.20
CA_2A-5B-[30A]	LTE B30	10	27710	2310	QPSK	1	49	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	13.26	13.20
CA_5B-[30A]-66A	LTE B30	10	27710	2310	QPSK	1	49	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	13.24	13.20

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1.4.13 **LTE Band 7 as PCC**

Table 81
Reduced 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	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.90	12.00
CA_[7B]	LTE B7	15	21375	2562.5	QPSK	1	36	3375	2682.5	4x4 MIMO	LTE B7	5	3282	2673.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.99	11.99
CA_[7C] (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B7	20	3152	2660.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.90	12.00
CA_[7A]-12A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.93	12.00
CA_[7A]-46A (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.92	12.00
CA_[7A]-66A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.91	12.00
CA_7A-[66A]	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.92	12.00
CA_[4A]-4A-7A (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	11.99	12.00
CA_4A-[7A]-7A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	11.96	12.00
CA_4A-[7A]-7A	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	2x2 MIMO	LTE B7	20	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	11.96	12.00
CA_4A-[7A]-12A (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	11.97	12.00
CA_[7A]-46C (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	11.94	12.00
CA_[7A]-46D (1)	LTE B7	20	21350	2560	QPSK	1	0	3350	2680	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	11.93	12.00

Table 82
Reduced 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	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.99	12.29
CA_[7B]	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B7	5	3007	2645.7	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.07	12.29
CA_[7C] (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B7	20	2929	2637.9	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.00	12.29
CA_[7A]-12A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.98	12.29
CA_[7A]-46A (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.99	12.29
CA_[7A]-66A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.00	12.29
CA_7A-[66A]	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.98	12.29
CA_[4A]-4A-7A (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	11.93	12.29
CA_4A-[7A]-7A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	11.96	12.29
CA_4A-[7A]-7A	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	2x2 MIMO	LTE B7	20	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	11.94	12.29
CA_4A-[7A]-12A (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	11.94	12.29
CA_[7A]-46C (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	11.96	12.29
CA_[7A]-46D (1)	LTE B7	15	21100	2535	64QAM	1	0	3100	2655	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	11.95	12.29

Table 83
Reduced 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	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.96	12.00
CA_[7B]	LTE B7	15	20825	2507.5	QPSK	36	37	2825	2627.5	4x4 MIMO	LTE B7	5	2918	2636.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.99	12.00
CA_[7C] (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B7	20	3048	2649.8	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.96	12.00
CA_[7A]-12A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.99	12.00
CA_[7A]-46A (1)	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.00	12.00
CA_[7A]-66A	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.00	12.00
CA_7A-[66A]	LTE B7	20	20850	2510	QPSK	1	0	2850	2630	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.98	12.00
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	-	-	-	-	-	11.97	12.00
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	-	-	-	-	-	11.98	12.00
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	-	-	-	-	-	11.97	12.00
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	-	-	-	-	-	11.97	12.00
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	-	-	-	-	-	12.00	12.00
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	12.00	12.00

Table 84
Reduced 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	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B5	10	2525	881.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.00	12.00
CA_[7B]	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B7	5	3282	2673.2	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.98	12.00
CA_[7C] (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B7	20	3204	2665.4	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	12.03	12.00
CA_[7A]-12A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.01	12.00
CA_[7A]-46A (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	11.98	12.00
CA_[7A]-66A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B66	20	66786	2145	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	12.02	12.00
CA_7A-[66A]	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	2x2 MIMO	LTE B66	20	66786	2145	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	11.98	12.00
CA_[4A]-4A-7A (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	2x2 MIMO	LTE B4	20	2175	2132.5	4x4 MIMO	LTE B4	10	2350	2150	2x2 MIMO	-	-	-	-	-	12.02	12.00
CA_4A-[7A]-7A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B7	20	2850	2630	2x2 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.02	12.00
CA_4A-[7A]-7A	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	2x2 MIMO	LTE B7	20	2850	2630	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	-	-	-	-	-	12.04	12.00
CA_4A-[7A]-12A (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B4	20	2175	2132.5	2x2 MIMO	LTE B12	10	5095	737.5	2x2 MIMO	-	-	-	-	-	12.03	12.00
CA_[7A]-46C (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	4x4 MIMO	LTE B46	20	50665	5537.5	2x2 MIMO	LTE B46	20	50467	5517.7	2x2 MIMO	-	-	-	-	-	12.02	12.00
CA_[7A]-46D (1)	LTE B7	15	21375	2562.5	QPSK	36	37	3375	2682.5	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	12.04	12.00

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1.4.14 LTE Band 41 as PCC

Table 85
Reduced 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	QPSK	1	99	40620	2593	4x4 MIMO	LTE B41	20	39750	2506	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.80	14.80
CA_41A-{41A} (1)	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41	20	39750	2506	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.77	14.80
CA_{41A}-41C	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.80	14.80
CA_41A-{41C}	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.78	14.80
CA_41C-{41A}	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41	20	40818	2612.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.79	14.80
CA_41C-41A	LTE B41	20	40620	2593	QPSK	1	99	40620	2593	4x4 MIMO	LTE B41	20	40818	2612.8	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.77	14.80
CA_{41A}-41D	LTE B41	20	40620	2593	QPSK	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	14.80	14.80
CA_41D-{41A}	LTE B41	20	40620	2593	QPSK	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	14.80	14.80

Table 86
Reduced 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	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.42	14.49
CA_41A-{41A} (1)	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.33	14.49
CA_{41A}-41C	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.42	14.49
CA_41A-{41C}	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.34	14.49
CA_41C-{41A}	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	2x2 MIMO	LTE B41	20	39921	2523.1	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.36	14.49
CA_41C-41A	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41	20	39921	2523.1	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.44	14.49
CA_{41A}-41D	LTE B41	15	39750	2506	QPSK	1	74	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	14.42	14.49
CA_41D-{41A}	LTE B41	15	39750	2506	QPSK	1	74	39750	2506	2x2 MIMO	LTE B41	20	39921	2523.1	2x2 MIMO	LTE B41	20	40119	2542.9	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.43	14.49

Table 87
Reduced 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	40185	2549.5	QPSK	1	50	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.49	14.50
CA_41A-{41A} (1)	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.39	14.50
CA_{41A}-41C	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.45	14.50
CA_41A-{41C}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.41	14.50
CA_41C-{41A}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.42	14.50
CA_41C-41A	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	4x4 MIMO	LTE B41	20	40383	2569.3	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA_{41A}-41D	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	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	14.47	14.50
CA_41D-{41A}	LTE B41	20	40185	2549.5	QPSK	1	50	40185	2549.5	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	40581	2589.1	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.42	14.50

Table 88
Reduced 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	40185	2549.5	16QAM	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	15.00	14.97
CA_41A-{41A} (1)	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.99	14.97
CA_{41A}-41C	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.97	14.97
CA_41A-{41C}	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.96	14.97
CA_41C-{41A}	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	15.00	14.97
CA_41C-41A	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	4x4 MIMO	LTE B41	20	40383	2569.3	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.98	14.97
CA_{41A}-41D	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	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	14.96	14.97
CA_41D-{41A}	LTE B41	20	40185	2549.5	16QAM	1	0	40185	2549.5	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	40581	2589.1	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.99	14.97

1.4.15 LTE Band 41 PC2 as PCC

Table 89
Reduced 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	40620	2593	QPSK	1	99	40620	2593	4x4 MIMO	LTE B41 PC2	20	39750	2506	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.80	14.80
CA_41A-{41A} (1)	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41 PC2	20	39750	2506	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.78	14.80
CA_{41A}-41C	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.80	14.80
CA_41A-{41C}	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.79	14.80
CA_41C-{41A}	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41 PC2	20	40818	2612.8	2x2 MIMO	LTE B41 PC2	20	39750	2506	4x4 MIMO	-	-	-	-	-	14.78	14.80
CA_41C-41A	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	4x4 MIMO	LTE B41 PC2	20	40818	2612.8	4x4 MIMO	LTE B41 PC2	20	39750	2506	2x2 MIMO	-	-	-	-	-	14.79	14.80
CA_{41A}-41D	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	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	14.79	14.80
CA_41D-{41A}	LTE B41 PC2	20	40620	2593	QPSK	1	99	40620	2593	2x2 MIMO	LTE B41 PC2	20	40422	2573.2	2x2 MIMO	LTE B41 PC2	20	40818	2612.8	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	14.77	14.80

Table 90
Reduced 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	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.48	14.50
CA_41A-{41A} (1)	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.47	14.50
CA_{41A}-41C	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.48	14.50
CA_41A-{41C}	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.50	14.50
CA_41C-{41A}	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	2x2 MIMO	LTE B41 PC2	20	39921	2523.1	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.45	14.50
CA_41C-41A	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	4x4 MIMO	LTE B41 PC2	20	39921	2523.1	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.49	14.50
CA_{41A}-41D	LTE B41 PC2	15	39750	2506	QPSK	1	74	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	14.48	14.50
CA_41D-{41A}	LTE B41 PC2	15	39750	2506	QPSK	1	74	39750	2506	2x2 MIMO	LTE B41 PC2	20	39921	2523.1	2x2 MIMO	LTE B41 PC2	20	40119	2542.9	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	14.47	14.50

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Table 91
Reduced 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	16QAM	1	99	39750	2506	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.45	14.50
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		-		-	-	-	-	-	-	-	14.46	14.50
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	-	-	-	-	-	14.45	14.50
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	-	-	-	-	-	14.44	14.50
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	-	-	-	-	-	14.49	14.50
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	-	-	-	-	-	14.47	14.50
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	14.48	14.50
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	14.43	14.50

Table 92
Reduced 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	5	39750	2506	16QAM	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	-	-	-	-	-	14.89	14.98
CA_41A-[41A] (1)	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO		-		-	-	-	-	-	-	-	14.92	14.98
CA_[41A]-41C	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	41292	2660.2	2x2 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.79	14.98
CA_41A-[41C]	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	41292	2660.2	4x4 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.74	14.98
CA_41C-[41A]	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	2x2 MIMO	LTE B41 PC2	20	39867	2517.7	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.78	14.98
CA_[41C]-41A	LTE B41 PC2	5	39750	2506	16QAM	1	0	39750	2506	4x4 MIMO	LTE B41 PC2	20	39867	2517.7	4x4 MIMO	LTE B41 PC2	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.82	14.98
CA_[41A]-41D	LTE B41 PC2	5	39750	2506	16QAM	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	14.81	14.98
CA_41D-[41A]	LTE B41 PC2	20	40185	2549.5	QPSK	1	0	40185	2549.5	2x2 MIMO	LTE B41 PC2	20	40383	2569.3	2x2 MIMO	LTE B41 PC2	20	40581	2589.1	2x2 MIMO	LTE B41 PC2	20	41490	2680	4x4 MIMO	14.98	14.96

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 and CA_7C with additional Carrier Aggregation configurations active in the downlink. Power measurements were performed with ULCA CA_41C or ULCA CA_7C active and additional CA configurations active in the downlink for the configuration required for ULCA CA_41C and ULCA CA_7C 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 or CA_7C active.

1.5.1 DL Carrier Aggregation RF Conducted Powers

Table 93
Reduced Output Powers – Ant 2A

	PCC							SCC1							SCC2				SCC3				SCC4				Power	
Combination	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	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.73	14.76
CA_41D	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	-	-	-	-	-	-	-	-	14.75	14.76
CA_41E	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41016	2632.6	-	-	-	-	14.77	14.76
CA_41C-41C	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.76	14.76
CA_41D-41A	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	14.79	14.76
CA_41C-41D	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.75	14.76
CA_41D-41C	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.73	14.76

Table 94
Reduced Output Powers – Ant 2B

	PCC							SCC1							SCC2				SCC3				SCC4				Power	
Combination	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	-	-	-	-	-	-	-	-	14.05	14.07
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	-	-	-	-	-	-	-	-	14.03	14.07
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	-	-	-	-	14.02	14.07
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	-	-	-	-	14.04	14.07
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	-	-	-	-	14.03	14.07
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	14.05	14.07
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	14.06	14.07

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Table 95
Reduced 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	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.05	14.08
CA_41D	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	40383	2569.3	-	-	-	-	-	-	-	-	14.03	14.08
CA_41E	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	40383	2569.3	LTE B41	20	40581	2589.1	-	-	-	-	14.02	14.08
CA_41C-41C	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	13.96	14.08
CA_41D-41A	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	40383	2569.3	LTE B41	20	41490	2680	-	-	-	-	14.07	14.08
CA_41C-41D	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.06	14.08
CA_41D-41C	LTE B41	20	40185	2549.5	QPSK	50	0	LTE B41	20	39987	2529.7	QPSK	50	50	LTE B41	20	40383	2569.3	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.04	14.08

Table 96
Reduced 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	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41490	2680	-	-	-	-	-	-	-	-	14.69	14.70
CA_41D	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	-	-	-	-	-	-	-	-	14.67	14.70
CA_41E	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41016	2632.6	-	-	-	-	14.64	14.70
CA_41C-41C	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	-	-	-	-	14.66	14.70
CA_41D-41A	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41490	2680	-	-	-	-	14.63	14.70
CA_41C-41D	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	41094	2640.4	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.67	14.70
CA_41D-41C	LTE B41	20	40620	2593	QPSK	50	0	LTE B41	20	40422	2573.2	QPSK	50	50	LTE B41	20	40818	2612.8	LTE B41	20	41292	2660.2	LTE B41	20	41490	2680	14.66	14.70

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 97
Reduced 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	40620	2593	QPSK	50	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.78	14.76
CA_41C-[41A]	LTE B41	20	40620	2593	QPSK	50	0	2x2 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.80	14.76
CA_[41C]-41A	LTE B41	20	40620	2593	QPSK	50	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.75	14.76
CA_41D-[41A]	LTE B41	20	40620	2593	QPSK	50	0	2x2 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	2x2 MIMO	LTE B41	20	40224	2553.4	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.77	14.76

Table 98
Reduced 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	40185	2549.5	QPSK	1	0	4x4 MIMO	LTE B41	20	39987	2529.7	QPSK	1	99	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.21	14.07
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	-	-	-	-	-	14.15	14.07
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	-	-	-	-	-	14.19	14.07
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	14.16	14.07

Table 99
Reduced 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	40185	2549.5	QPSK	50	0	4x4 MIMO	LTE B41	20	39987	2529.7	QPSK	50	50	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.27	14.08
CA_41C-[41A]	LTE B41	20	40185	2549.5	QPSK	50	0	2x2 MIMO	LTE B41	20	39987	2529.7	QPSK	50	50	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.29	14.08
CA_[41C]-41A	LTE B41	20	40185	2549.5	QPSK	50	0	4x4 MIMO	LTE B41	20	39987	2529.7	QPSK	50	50	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.28	14.08
CA_41D-[41A]	LTE B41	20	40185	2549.5	QPSK	50	0	2x2 MIMO	LTE B41	20	39987	2529.7	QPSK	50	50	2x2 MIMO	LTE B41	20	40383	2569.3	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.26	14.08

Table 100
Reduced 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	40620	2593	QPSK	50	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	4x4 MIMO	-	-	-	-	-	-	-	-	-	-	14.67	14.70
CA_41C-[41A]	LTE B41	20	40620	2593	QPSK	50	0	2x2 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	-	-	-	-	-	14.69	14.70
CA_[41C]-41A	LTE B41	20	40620	2593	QPSK	50	0	4x4 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	-	-	-	-	-	14.66	14.70
CA_41D-[41A]	LTE B41	20	40620	2593	QPSK	50	0	2x2 MIMO	LTE B41	20	40422	2573.2	QPSK	50	50	2x2 MIMO	LTE B41	20	40818	2612.8	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	14.68	14.70

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1.5.2.2 LTE Band 7

Table 101
Reduced 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	1	0	4x4 MIMO	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	1	99	4x4 MIMO	11.99	12.00

Table 102
Reduced 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	1	0	4x4 MIMO	LTE B7	20	20902	2515.2	2902	2635.2	QPSK	1	99	4x4 MIMO	12.30	12.27

Table 103
Reduced 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	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	11.82	11.89

Table 104
Reduced 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	50	0	4x4 MIMO	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	50	50	4x4 MIMO	11.86	12.00

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