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Glossary:

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

Probe ES3DV2

SN:3022

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

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

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

Basic Calibration Parameters

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

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	180.7	±3.3 %
		Y	0.0	0.0	1.0		185.0	
		Z	0.0	0.0	1.0		180.9	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

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

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

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

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

Calibration Parameter Determined in Head Tissue Simulating Media

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

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

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

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

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

Calibration Parameter Determined in Body Tissue Simulating Media

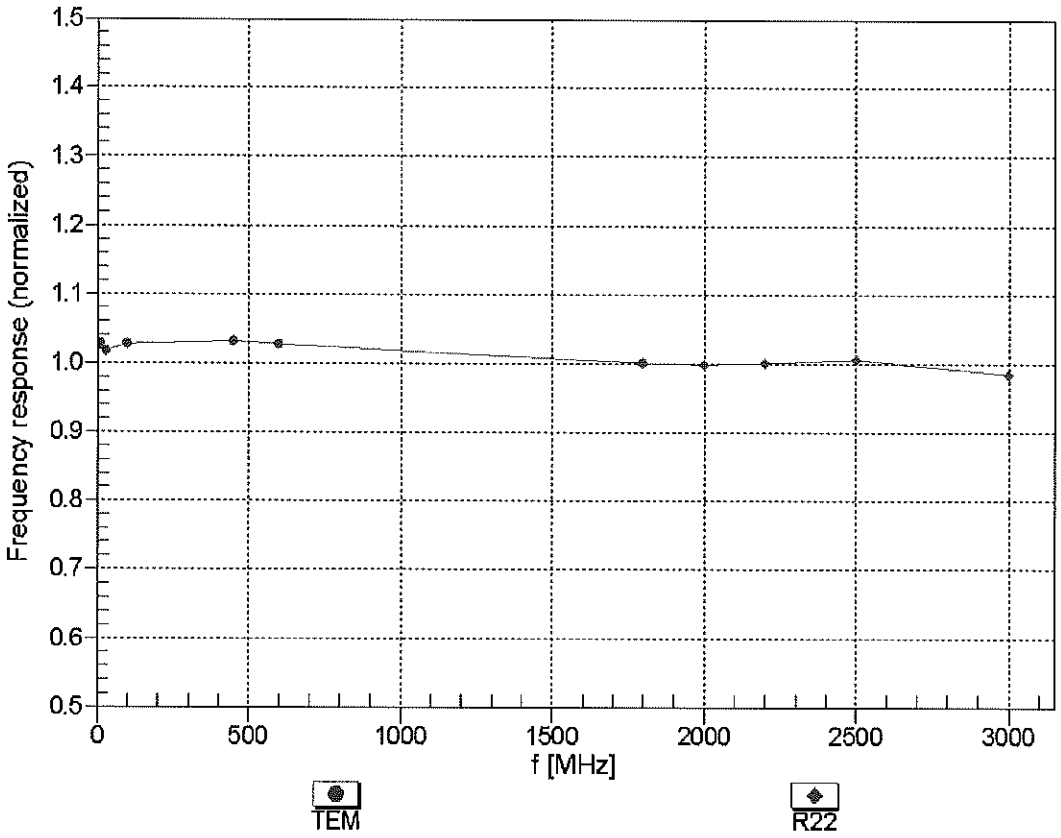
f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	6.12	6.12	6.12	0.48	1.36	± 12.0 %
835	55.2	0.97	5.96	5.96	5.96	0.57	1.24	± 12.0 %
1750	53.4	1.49	4.93	4.93	4.93	0.44	1.52	± 12.0 %
1900	53.3	1.52	4.67	4.67	4.67	0.37	1.86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

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

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

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

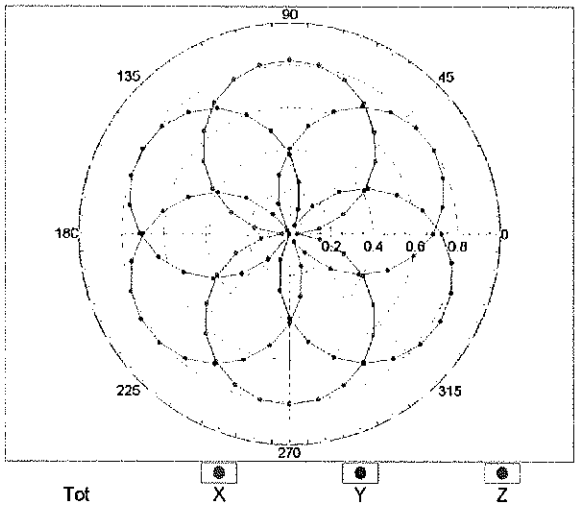
Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



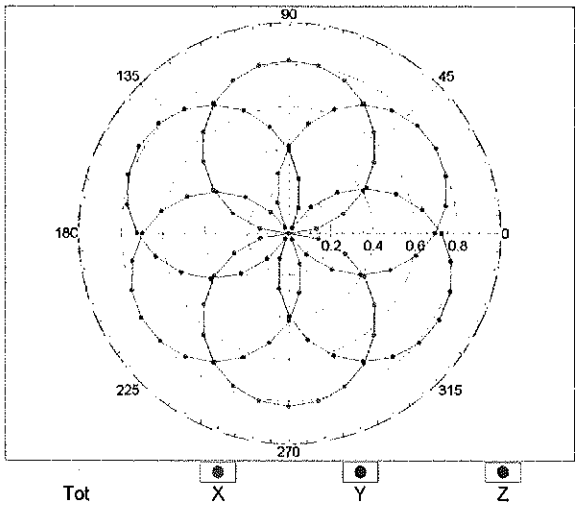
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

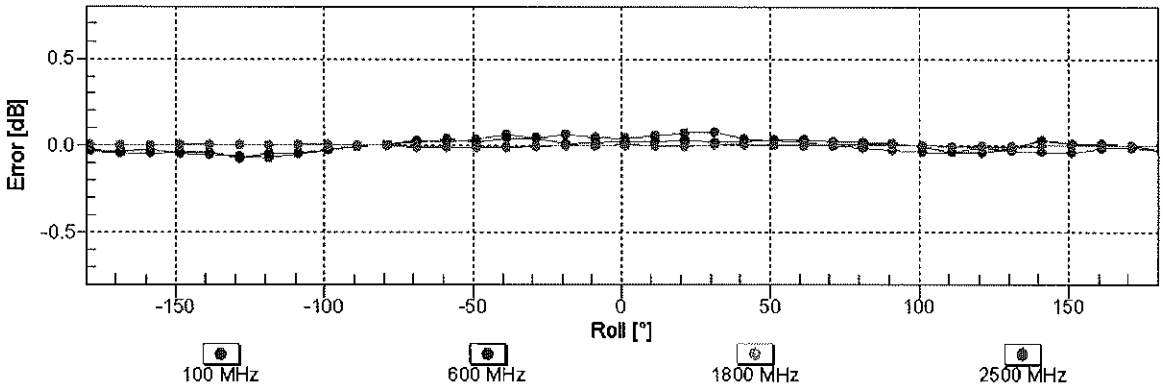
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



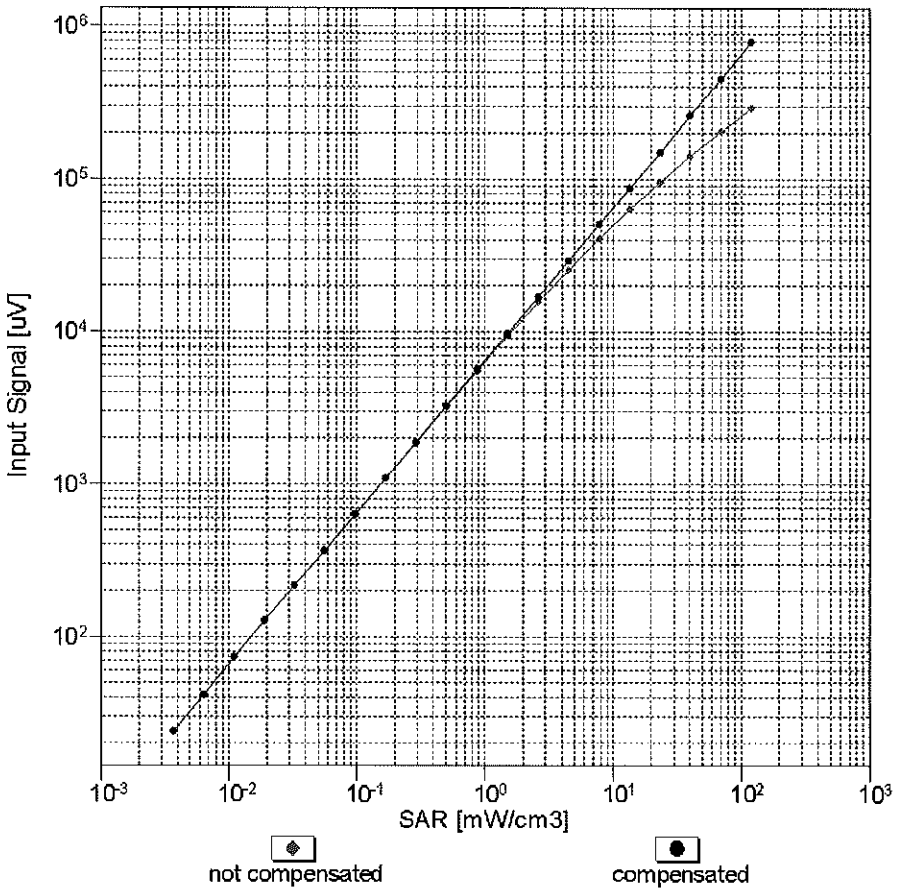
f=1800 MHz,R22

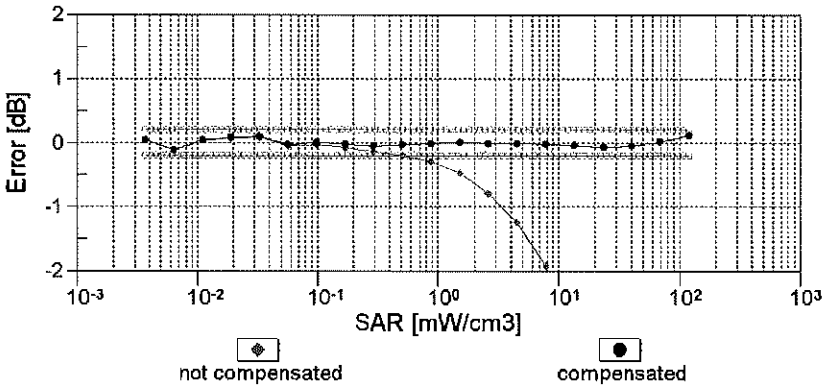




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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

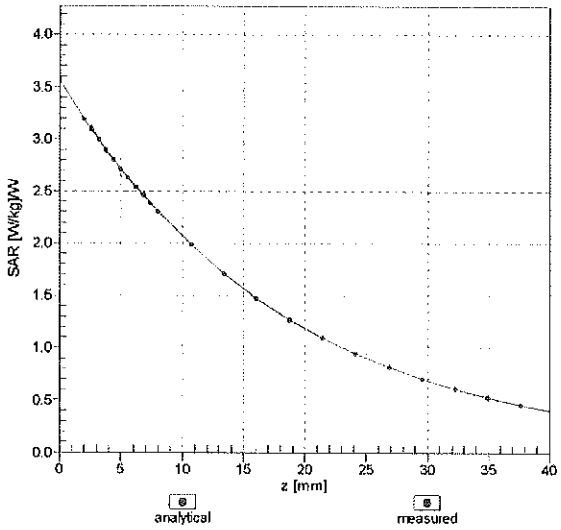




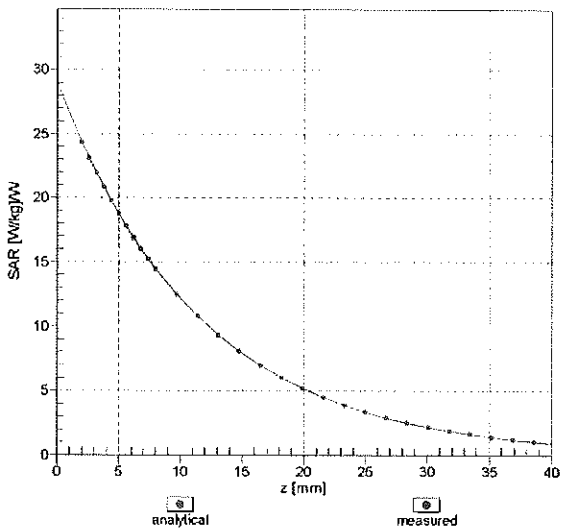
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

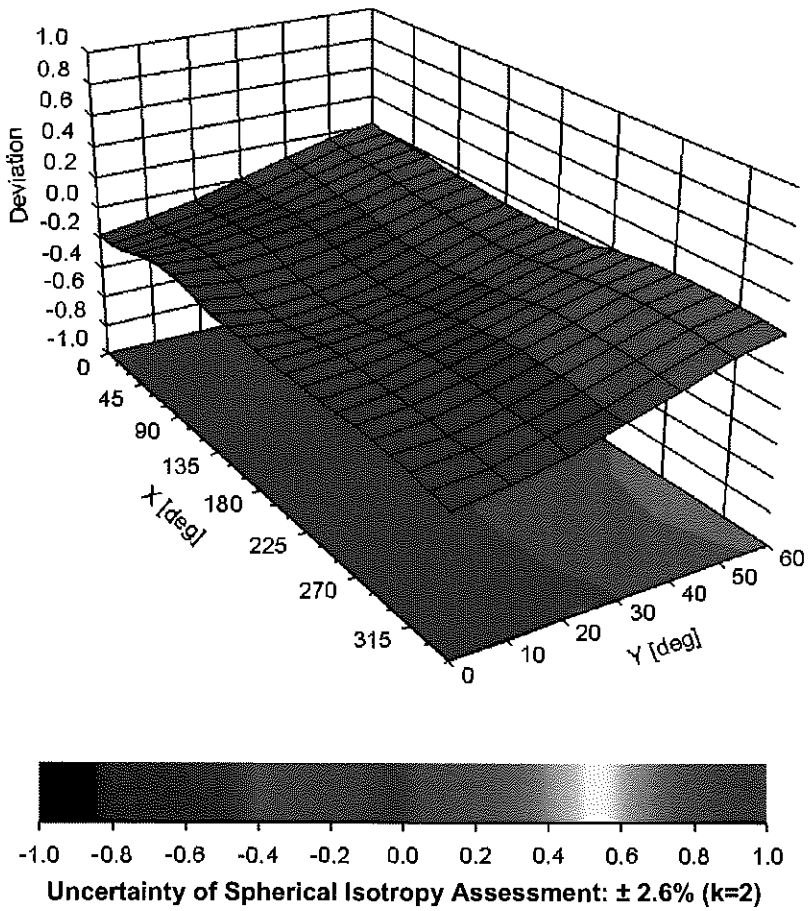


f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz



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

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

Other Probe Parameters

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

Appendix: Modulation Calibration Parameters

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Calibration Laboratory of
Schmid & Partner
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S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
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The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Client **PC Test**

Certificate No: EX3-7490_Jan18

CALIBRATION CERTIFICATE

Object EX3DV4 - SN:7490

Calibration procedure(s) QA CAL-01.v9, QA CAL-14.v4, QA CAL-23.v5, QA CAL-25.v6
Calibration procedure for dosimetric E-field probes

SC ✓ 2/16/2018

Calibration date: January 26, 2018

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

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

Calibration Equipment used (M&TE critical for calibration)

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

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

Issued: January 27, 2018

Glossary:

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

Probe EX3DV4

SN:7490

Manufactured: March 20, 2017
Calibrated: January 26, 2018

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7490

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	0.38	0.43	0.51	± 10.1 %
DCP (mV)[B]	98.5	97.9	95.7	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	140.0	±3.5 %
		Y	0.0	0.0	1.0		144.6	
		Z	0.0	0.0	1.0		139.9	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	33.66	250.6	35.51	5.627	0.000	4.997	1.696	0.036	1.006
Y	32.74	252.0	37.44	3.509	0.163	5.025	0.359	0.334	1.006
Z	37.42	282.8	36.41	7.740	0.000	5.071	0.000	0.345	1.006

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

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7490

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	10.38	10.38	10.38	0.43	0.85	± 12.0 %
835	41.5	0.90	10.14	10.14	10.14	0.39	0.86	± 12.0 %
1750	40.1	1.37	8.81	8.81	8.81	0.35	0.84	± 12.0 %
1900	40.0	1.40	8.52	8.52	8.52	0.30	0.85	± 12.0 %
2300	39.5	1.67	8.26	8.26	8.26	0.29	0.84	± 12.0 %
2450	39.2	1.80	7.89	7.89	7.89	0.33	0.80	± 12.0 %
2600	39.0	1.96	7.66	7.66	7.66	0.34	0.89	± 12.0 %
5250	35.9	4.71	5.46	5.46	5.46	0.35	1.80	± 13.1 %
5600	35.5	5.07	4.75	4.75	4.75	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.99	4.99	4.99	0.40	1.80	± 13.1 %

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

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

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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7490

Calibration Parameter Determined in Body Tissue Simulating Media

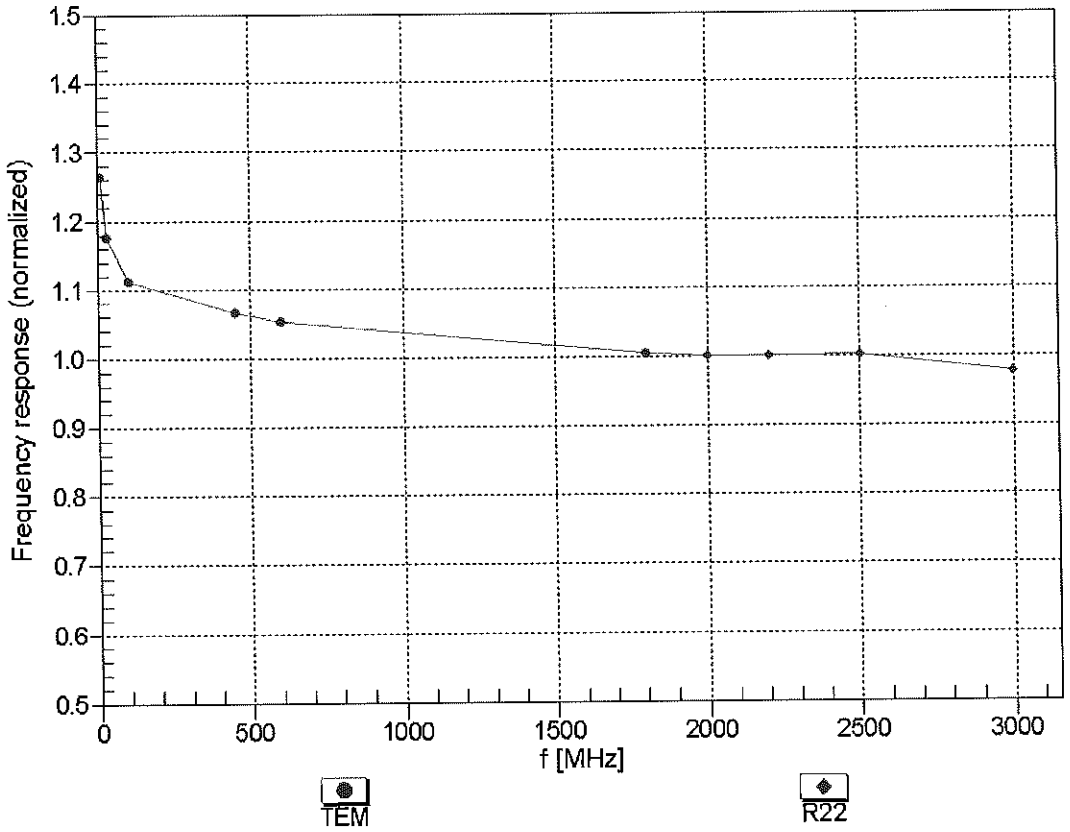
f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	10.66	10.66	10.66	0.32	1.04	± 12.0 %
835	55.2	0.97	10.30	10.30	10.30	0.46	0.85	± 12.0 %
1750	53.4	1.49	8.69	8.69	8.69	0.45	0.80	± 12.0 %
1900	53.3	1.52	8.32	8.32	8.32	0.41	0.84	± 12.0 %
2300	52.9	1.81	8.09	8.09	8.09	0.35	0.90	± 12.0 %
2450	52.7	1.95	8.07	8.07	8.07	0.30	0.95	± 12.0 %
2600	52.5	2.16	7.69	7.69	7.69	0.32	0.95	± 12.0 %
5250	48.9	5.36	5.14	5.14	5.14	0.35	1.90	± 13.1 %
5600	48.5	5.77	4.21	4.21	4.21	0.40	1.90	± 13.1 %
5750	48.3	5.94	4.51	4.51	4.51	0.45	1.90	± 13.1 %

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

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

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

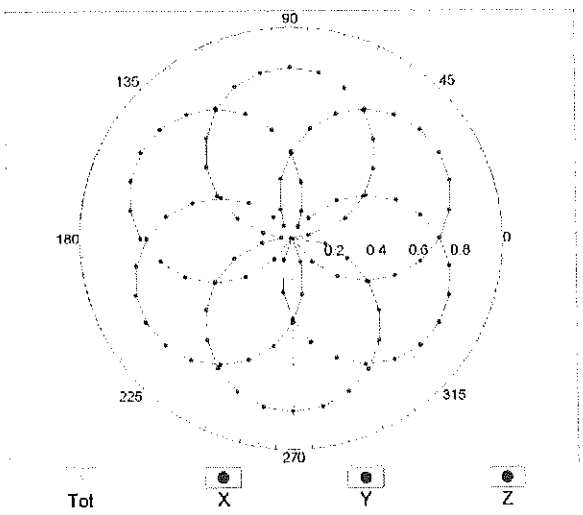
Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



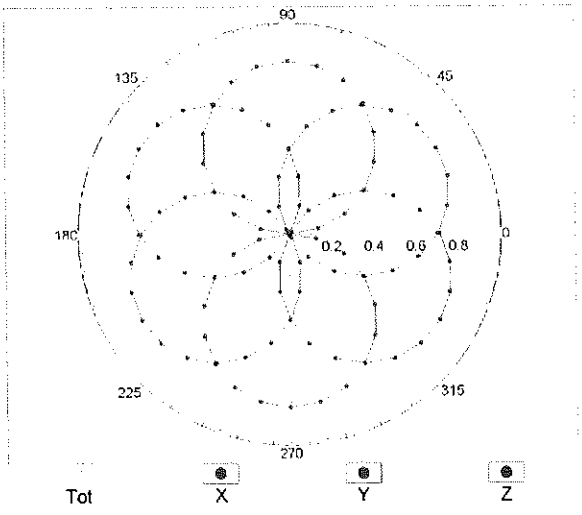
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

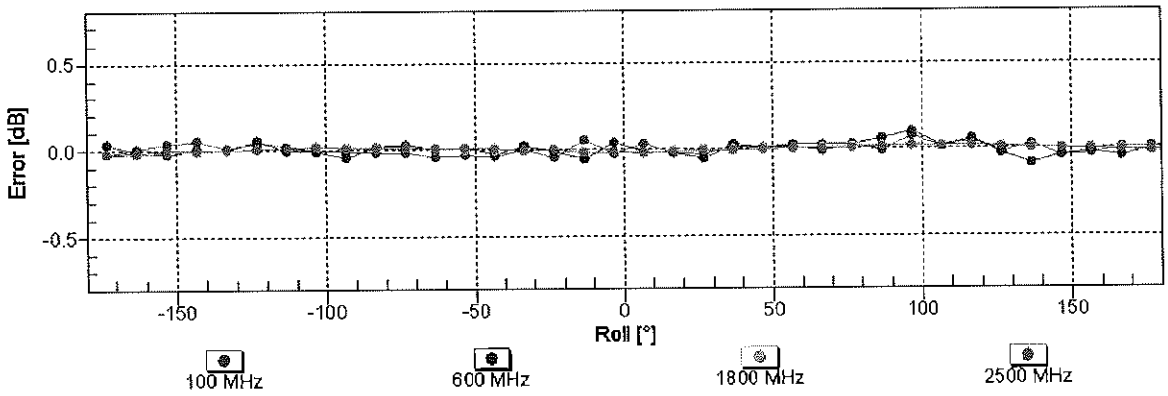
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



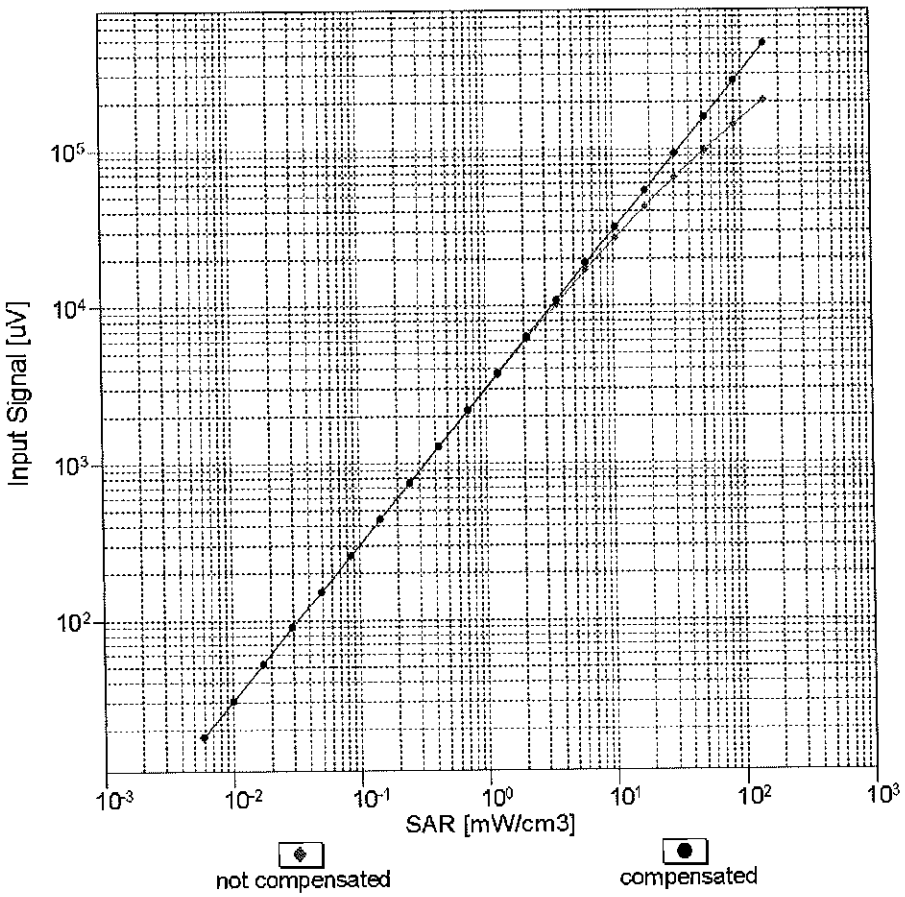
f=1800 MHz,R22

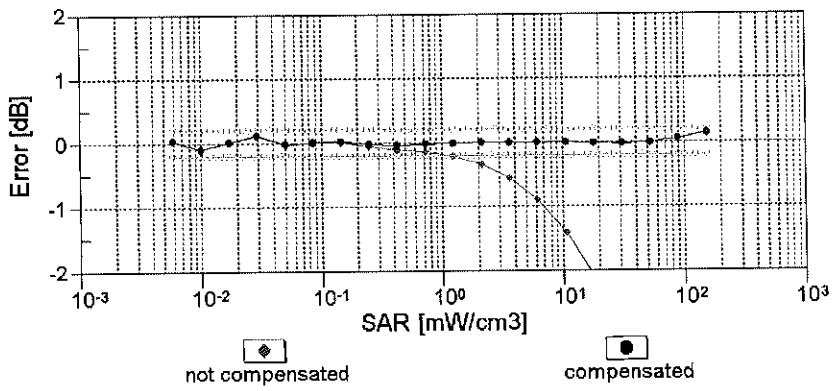




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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

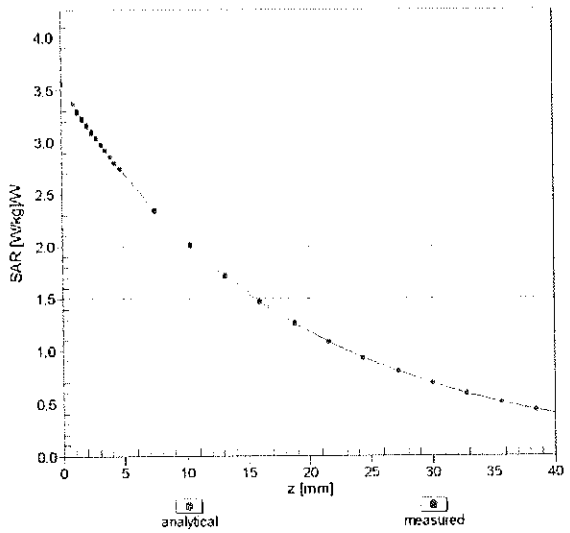




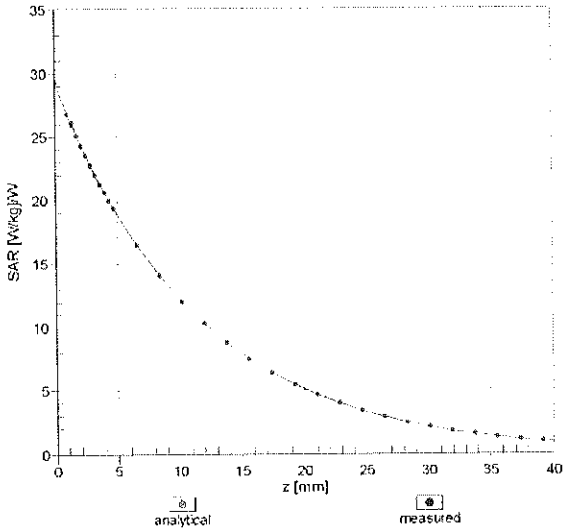
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

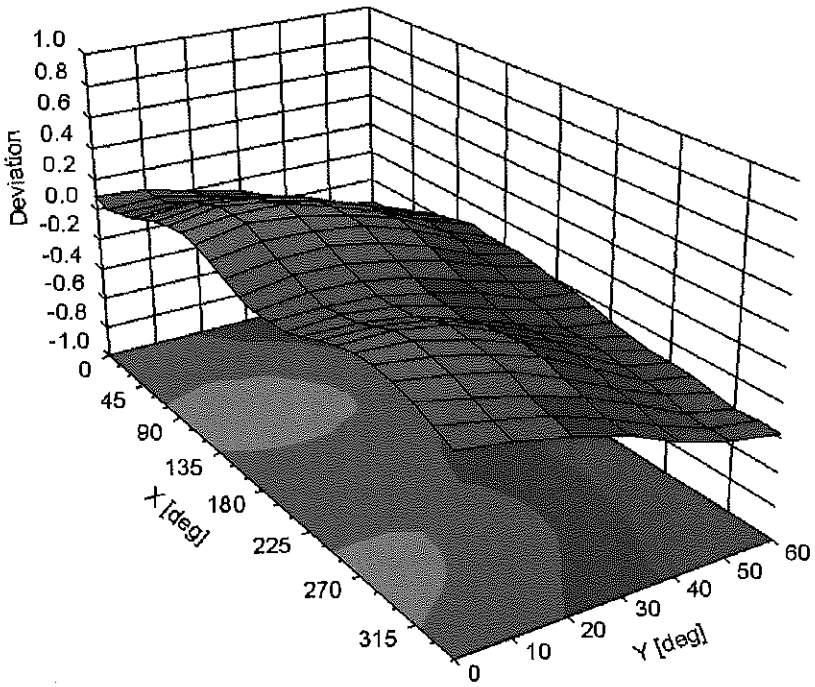


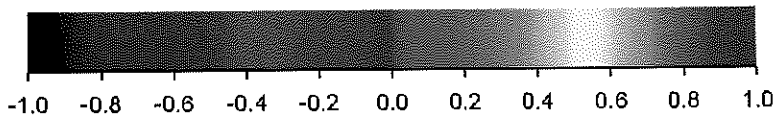
f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz





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

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7490

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-23.2
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc[E] (k=2)
0	CW	X	0.00	0.00	1.00	0.00	140.0	± 3.5 %
		Y	0.00	0.00	1.00		144.6	
		Z	0.00	0.00	1.00		139.9	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	1.30	61.38	6.72	10.00	20.0	± 9.6 %
		Y	1.36	61.26	6.75		20.0	
		Z	1.76	64.62	8.99		20.0	
10011-CAB	UMTS-FDD (WCDMA)	X	1.07	69.33	16.25	0.00	150.0	± 9.6 %
		Y	0.80	64.87	13.07		150.0	
		Z	1.04	68.24	15.67		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.12	63.93	15.36	0.41	150.0	± 9.6 %
		Y	1.01	62.41	14.00		150.0	
		Z	1.14	63.88	15.40		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.61	66.70	16.96	1.46	150.0	± 9.6 %
		Y	4.53	66.37	16.73		150.0	
		Z	4.73	66.80	17.19		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	7.49	77.69	14.36	9.39	50.0	± 9.6 %
		Y	5.81	75.44	13.94		50.0	
		Z	100.00	111.54	25.38		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	4.68	73.01	12.78	9.57	50.0	± 9.6 %
		Y	4.25	72.06	12.73		50.0	
		Z	100.00	110.58	25.00		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	99.84	18.79	6.56	60.0	± 9.6 %
		Y	3.28	72.62	11.75		60.0	
		Z	100.00	116.01	26.23		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	4.43	75.85	29.78	12.57	50.0	± 9.6 %
		Y	3.30	65.29	23.38		50.0	
		Z	5.60	84.24	35.07		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	5.43	83.15	29.92	9.56	60.0	± 9.6 %
		Y	4.75	79.10	27.92		60.0	
		Z	6.58	88.53	32.93		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	100.52	18.40	4.80	80.0	± 9.6 %
		Y	2.04	70.52	10.18		80.0	
		Z	100.00	123.36	28.53		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	103.01	18.87	3.55	100.0	± 9.6 %
		Y	0.51	62.95	6.58		100.0	
		Z	100.00	134.03	32.15		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	3.64	73.78	24.55	7.80	80.0	± 9.6 %
		Y	3.34	71.51	23.34		80.0	
		Z	4.18	76.95	26.59		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	11.26	81.95	13.83	5.30	70.0	± 9.6 %
		Y	0.96	64.08	7.79		70.0	
		Z	100.00	115.51	25.51		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	93.95	14.27	1.88	100.0	± 9.6 %
		Y	0.26	60.00	2.61		100.0	
		Z	100.00	135.95	31.13		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	102.24	16.81	1.17	100.0	± 9.6 %
		Y	4.76	67.08	2.08		100.0	
		Z	100.00	163.19	40.16		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	5.18	82.93	20.02	5.30	70.0	± 9.6 %
		Y	3.01	75.08	16.84		70.0	
		Z	100.00	131.72	35.09		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	1.81	71.75	14.48	1.88	100.0	± 9.6 %
		Y	1.01	64.78	10.62		100.0	
		Z	4.79	85.13	20.46		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	1.43	69.85	13.51	1.17	100.0	± 9.6 %
		Y	0.82	63.38	9.59		100.0	
		Z	2.39	76.52	17.08		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	7.16	87.65	21.63	5.30	70.0	± 9.6 %
		Y	3.60	77.69	17.89		70.0	
		Z	100.00	132.41	35.39		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	1.61	70.48	13.96	1.88	100.0	± 9.6 %
		Y	0.96	64.30	10.38		100.0	
		Z	3.86	82.45	19.58		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	1.44	70.22	13.81	1.17	100.0	± 9.6 %
		Y	0.82	63.53	9.79		100.0	
		Z	2.41	76.99	17.41		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	1.63	71.81	14.08	0.00	150.0	± 9.6 %
		Y	0.72	62.59	8.69		150.0	
		Z	1.57	70.90	14.13		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	2.07	67.31	9.84	7.78	50.0	± 9.6 %
		Y	1.57	64.78	8.79		50.0	
		Z	100.00	108.73	23.38		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	103.21	1.81	0.00	150.0	± 9.6 %
		Y	0.07	121.28	6.55		150.0	
		Z	0.00	103.45	3.03		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	3.46	65.63	11.10	13.80	25.0	± 9.6 %
		Y	3.94	66.46	11.85		25.0	
		Z	100.00	105.10	24.09		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	3.44	68.56	11.20	10.79	40.0	± 9.6 %
		Y	3.61	68.77	11.61		40.0	
		Z	508.75	125.50	27.80		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	20.84	95.60	23.61	9.03	50.0	± 9.6 %
		Y	10.74	86.04	20.65		50.0	
		Z	100.00	124.55	33.03		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	3.04	70.33	22.11	6.55	100.0	± 9.6 %
		Y	2.83	68.60	21.16		100.0	
		Z	3.41	72.64	23.68		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.11	64.56	15.73	0.61	110.0	± 9.6 %
		Y	1.00	62.89	14.29		110.0	
		Z	1.15	64.80	16.00		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	5.53	99.95	27.34	1.30	110.0	± 9.6 %
		Y	1.31	76.58	18.46		110.0	
		Z	56.23	138.70	37.66		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	1.64	73.96	19.95	2.04	110.0	± 9.6 %
		Y	1.27	69.64	17.54		110.0	
		Z	2.25	79.57	22.91		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.44	66.80	16.48	0.49	100.0	± 9.6 %
		Y	4.34	66.35	16.16		100.0	
		Z	4.53	66.78	16.59		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.45	66.86	16.55	0.72	100.0	± 9.6 %
		Y	4.35	66.43	16.24		100.0	
		Z	4.55	66.87	16.69		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.68	67.02	16.72	0.86	100.0	± 9.6 %
		Y	4.58	66.63	16.45		100.0	
		Z	4.80	67.08	16.90		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.53	66.81	16.76	1.21	100.0	± 9.6 %
		Y	4.44	66.43	16.50		100.0	
		Z	4.66	66.94	16.99		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.53	66.75	16.88	1.46	100.0	± 9.6 %
		Y	4.44	66.40	16.63		100.0	
		Z	4.67	66.94	17.16		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	4.80	66.99	17.32	2.04	100.0	± 9.6 %
		Y	4.72	66.69	17.12		100.0	
		Z	4.96	67.20	17.65		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	4.81	66.84	17.44	2.55	100.0	± 9.6 %
		Y	4.74	66.57	17.27		100.0	
		Z	4.98	67.10	17.82		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	4.87	66.85	17.62	2.67	100.0	± 9.6 %
		Y	4.80	66.59	17.45		100.0	
		Z	5.05	67.14	18.02		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.68	66.70	17.20	1.99	100.0	± 9.6 %
		Y	4.61	66.41	17.01		100.0	
		Z	4.81	66.85	17.49		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.62	66.87	17.35	2.30	100.0	± 9.6 %
		Y	4.54	66.57	17.16		100.0	
		Z	4.76	67.10	17.70		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.65	66.98	17.64	2.83	100.0	± 9.6 %
		Y	4.59	66.71	17.47		100.0	
		Z	4.81	67.25	18.03		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.64	66.88	17.76	3.30	100.0	± 9.6 %
		Y	4.59	66.64	17.61		100.0	
		Z	4.80	67.15	18.18		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4.64	66.81	17.97	3.82	90.0	± 9.6 %
		Y	4.60	66.60	17.83		90.0	
		Z	4.81	67.14	18.44		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	4.67	66.67	18.12	4.15	90.0	± 9.6 %
		Y	4.64	66.47	18.00		90.0	
		Z	4.84	66.97	18.60		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	4.70	66.75	18.23	4.30	90.0	± 9.6 %
		Y	4.67	66.56	18.11		90.0	
		Z	4.86	67.05	18.70		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.70	65.46	10.84	0.00	150.0	± 9.6 %
		Y	0.40	60.16	6.65		150.0	
		Z	0.71	65.07	11.03		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	6.88	60.12	1.56	4.77	80.0	± 9.6 %
		Y	3.08	113.02	6.82		80.0	
		Z	0.54	60.00	3.49		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	99.83	18.80	6.56	60.0	± 9.6 %
		Y	3.49	73.11	11.93		60.0	
		Z	100.00	116.03	26.26		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.91	69.70	16.32	0.00	150.0	± 9.6 %
		Y	1.57	66.54	14.18		150.0	
		Z	1.85	68.62	15.90		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.88	69.66	16.31	0.00	150.0	± 9.6 %
		Y	1.54	66.46	14.14		150.0	
		Z	1.81	68.58	15.88		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	5.47	83.31	29.98	9.56	60.0	± 9.6 %
		Y	4.78	79.22	27.97		60.0	
		Z	6.64	88.74	33.01		60.0	
10100-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.04	70.82	17.15	0.00	150.0	± 9.6 %
		Y	2.68	68.57	15.78		150.0	
		Z	3.04	70.38	16.88		150.0	
10101-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.12	67.72	16.13	0.00	150.0	± 9.6 %
		Y	2.93	66.55	15.31		150.0	
		Z	3.14	67.50	16.01		150.0	
10102-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.22	67.72	16.22	0.00	150.0	± 9.6 %
		Y	3.04	66.62	15.45		150.0	
		Z	3.24	67.48	16.09		150.0	
10103-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	4.75	73.08	19.51	3.98	65.0	± 9.6 %
		Y	4.31	71.37	18.75		65.0	
		Z	5.34	74.94	20.70		65.0	
10104-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	4.86	70.99	19.27	3.98	65.0	± 9.6 %
		Y	4.56	69.80	18.70		65.0	
		Z	5.31	72.41	20.28		65.0	
10105-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	4.59	69.61	18.91	3.98	65.0	± 9.6 %
		Y	4.33	68.48	18.36		65.0	
		Z	5.30	72.11	20.44		65.0	
10108-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.62	70.23	17.01	0.00	150.0	± 9.6 %
		Y	2.30	67.93	15.55		150.0	
		Z	2.63	69.73	16.73		150.0	
10109-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.77	67.81	16.04	0.00	150.0	± 9.6 %
		Y	2.55	66.42	15.04		150.0	
		Z	2.79	67.48	15.89		150.0	
10110-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.12	69.66	16.58	0.00	150.0	± 9.6 %
		Y	1.79	66.96	14.77		150.0	
		Z	2.12	69.03	16.29		150.0	
10111-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.56	69.45	16.43	0.00	150.0	± 9.6 %
		Y	2.23	67.20	14.90		150.0	
		Z	2.53	68.68	16.15		150.0	

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	2.89	67.87	16.10	0.00	150.0	± 9.6 %
		Y	2.68	66.55	15.16		150.0	
		Z	2.91	67.51	15.95		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.70	69.60	16.55	0.00	150.0	± 9.6 %
		Y	2.38	67.45	15.09		150.0	
		Z	2.67	68.83	16.28		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	4.94	67.27	16.54	0.00	150.0	± 9.6 %
		Y	4.84	66.84	16.24		150.0	
		Z	4.99	67.16	16.49		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.18	67.31	16.55	0.00	150.0	± 9.6 %
		Y	5.08	66.91	16.28		150.0	
		Z	5.24	67.24	16.54		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.02	67.44	16.55	0.00	150.0	± 9.6 %
		Y	4.91	66.99	16.24		150.0	
		Z	5.08	67.36	16.53		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	4.93	67.20	16.52	0.00	150.0	± 9.6 %
		Y	4.82	66.73	16.20		150.0	
		Z	4.98	67.11	16.49		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.25	67.52	16.66	0.00	150.0	± 9.6 %
		Y	5.16	67.13	16.40		150.0	
		Z	5.32	67.43	16.64		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.02	67.46	16.57	0.00	150.0	± 9.6 %
		Y	4.92	67.02	16.27		150.0	
		Z	5.07	67.35	16.53		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.24	67.75	16.13	0.00	150.0	± 9.6 %
		Y	3.05	66.64	15.35		150.0	
		Z	3.27	67.51	16.01		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.37	67.91	16.32	0.00	150.0	± 9.6 %
		Y	3.18	66.85	15.58		150.0	
		Z	3.39	67.64	16.19		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.90	69.91	15.99	0.00	150.0	± 9.6 %
		Y	1.50	66.29	13.59		150.0	
		Z	1.89	69.09	15.72		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.41	70.20	15.66	0.00	150.0	± 9.6 %
		Y	1.89	66.54	13.32		150.0	
		Z	2.36	69.31	15.48		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	1.97	66.46	13.28	0.00	150.0	± 9.6 %
		Y	1.67	64.17	11.55		150.0	
		Z	2.04	66.34	13.48		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	0.75	61.48	8.00	0.00	150.0	± 9.6 %
		Y	0.62	60.00	6.26		150.0	
		Z	0.87	62.33	9.00		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	0.96	60.52	6.46	0.00	150.0	± 9.6 %
		Y	0.79	59.19	5.28		150.0	
		Z	1.10	61.50	7.85		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	1.00	60.87	6.75	0.00	150.0	± 9.6 %
		Y	0.87	60.00	5.87		150.0	
		Z	1.17	62.08	8.27		150.0	

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.78	67.89	16.09	0.00	150.0	± 9.6 %
		Y	2.56	66.49	15.09		150.0	
		Z	2.80	67.54	15.94		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	2.90	67.94	16.15	0.00	150.0	± 9.6 %
		Y	2.69	66.61	15.21		150.0	
		Z	2.92	67.57	16.00		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	4.93	75.72	20.65	3.98	65.0	± 9.6 %
		Y	4.39	73.70	19.75		65.0	
		Z	5.80	78.48	22.25		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	4.38	70.85	18.75	3.98	65.0	± 9.6 %
		Y	4.07	69.55	18.08		65.0	
		Z	4.87	72.51	19.96		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	4.72	71.96	19.63	3.98	65.0	± 9.6 %
		Y	4.39	70.67	19.00		65.0	
		Z	5.21	73.53	20.77		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.17	70.09	16.84	0.00	150.0	± 9.6 %
		Y	1.82	67.28	14.98		150.0	
		Z	2.16	69.41	16.52		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.56	69.50	16.47	0.00	150.0	± 9.6 %
		Y	2.24	67.25	14.93		150.0	
		Z	2.53	68.71	16.18		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.73	69.79	15.44	0.00	150.0	± 9.6 %
		Y	1.28	65.46	12.59		150.0	
		Z	1.71	68.96	15.24		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	1.78	66.72	12.97	0.00	150.0	± 9.6 %
		Y	1.42	63.74	10.79		150.0	
		Z	1.85	66.66	13.25		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.71	69.70	16.61	0.00	150.0	± 9.6 %
		Y	2.38	67.54	15.14		150.0	
		Z	2.68	68.92	16.34		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	1.87	67.08	13.18	0.00	150.0	± 9.6 %
		Y	1.47	63.90	10.91		150.0	
		Z	1.94	67.02	13.47		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.65	69.49	16.75	0.00	150.0	± 9.6 %
		Y	2.39	67.64	15.48		150.0	
		Z	2.67	69.05	16.53		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.79	67.95	16.04	0.00	150.0	± 9.6 %
		Y	2.57	66.52	15.01		150.0	
		Z	2.81	67.55	15.89		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	2.91	68.19	16.19	0.00	150.0	± 9.6 %
		Y	2.68	66.78	15.17		150.0	
		Z	2.92	67.77	16.03		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.23	69.89	19.51	3.01	150.0	± 9.6 %
		Y	2.97	68.07	18.40		150.0	
		Z	3.16	68.64	18.88		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.06	74.10	20.46	3.01	150.0	± 9.6 %
		Y	3.41	70.43	18.61		150.0	
		Z	3.61	70.97	19.14		150.0	

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	4.79	77.69	22.39	3.01	150.0	± 9.6 %
		Y	3.86	73.18	20.27		150.0	
		Z	4.00	73.28	20.55		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.65	68.83	19.08	3.01	150.0	± 9.6 %
		Y	2.42	66.35	17.57		150.0	
		Z	2.48	66.66	18.01		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	3.94	77.56	22.69	3.01	150.0	± 9.6 %
		Y	2.98	71.07	19.60		150.0	
		Z	2.96	70.89	19.86		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.01	71.85	19.13	3.01	150.0	± 9.6 %
		Y	2.49	67.37	16.80		150.0	
		Z	2.54	67.79	17.41		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.09	77.18	23.93	6.02	65.0	± 9.6 %
		Y	2.65	72.77	21.74		65.0	
		Z	4.43	83.46	27.06		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	8.11	93.39	27.54	6.02	65.0	± 9.6 %
		Y	4.11	79.67	22.66		65.0	
		Z	7.30	91.11	27.85		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	4.84	83.58	23.61	6.02	65.0	± 9.6 %
		Y	3.17	74.79	20.20		65.0	
		Z	6.98	89.22	26.55		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.62	68.51	18.82	3.01	150.0	± 9.6 %
		Y	2.39	66.09	17.33		150.0	
		Z	2.45	66.44	17.80		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	3.95	77.59	22.70	3.01	150.0	± 9.6 %
		Y	2.99	71.09	19.61		150.0	
		Z	2.96	70.91	19.87		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.64	68.64	18.90	3.01	150.0	± 9.6 %
		Y	2.41	66.20	17.40		150.0	
		Z	2.47	66.55	17.87		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	3.91	77.38	22.59	3.01	150.0	± 9.6 %
		Y	2.97	70.96	19.53		150.0	
		Z	2.95	70.79	19.80		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	3.43	74.55	20.76	3.01	150.0	± 9.6 %
		Y	2.70	69.07	18.05		150.0	
		Z	2.73	69.31	18.54		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	3.01	71.80	19.09	3.01	150.0	± 9.6 %
		Y	2.49	67.34	16.77		150.0	
		Z	2.54	67.77	17.38		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.63	68.63	18.90	3.01	150.0	± 9.6 %
		Y	2.40	66.18	17.39		150.0	
		Z	2.47	66.53	17.87		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	3.90	77.35	22.58	3.01	150.0	± 9.6 %
		Y	2.97	70.94	19.52		150.0	
		Z	2.94	70.77	19.79		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.00	71.77	19.08	3.01	150.0	± 9.6 %
		Y	2.48	67.32	16.76		150.0	
		Z	2.53	67.75	17.37		150.0	

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.64	68.67	18.92	3.01	150.0	± 9.6 %
		Y	2.41	66.22	17.41		150.0	
		Z	2.47	66.57	17.88		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	3.93	77.44	22.63	3.01	150.0	± 9.6 %
		Y	2.98	71.01	19.56		150.0	
		Z	2.95	70.83	19.82		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	3.02	71.85	19.12	3.01	150.0	± 9.6 %
		Y	2.49	67.37	16.80		150.0	
		Z	2.55	67.80	17.41		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.65	68.76	19.01	3.01	150.0	± 9.6 %
		Y	2.42	66.30	17.50		150.0	
		Z	2.48	66.62	17.96		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.09	78.30	23.08	3.01	150.0	± 9.6 %
		Y	3.06	71.55	19.91		150.0	
		Z	3.02	71.28	20.12		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.10	72.37	19.45	3.01	150.0	± 9.6 %
		Y	2.54	67.70	17.04		150.0	
		Z	2.59	68.11	17.64		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.35	66.99	16.25	0.00	150.0	± 9.6 %
		Y	4.22	66.44	15.84		150.0	
		Z	4.40	66.77	16.20		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.49	67.21	16.39	0.00	150.0	± 9.6 %
		Y	4.36	66.66	15.98		150.0	
		Z	4.54	67.03	16.33		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.52	67.22	16.40	0.00	150.0	± 9.6 %
		Y	4.39	66.67	16.00		150.0	
		Z	4.58	67.05	16.35		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.33	66.98	16.24	0.00	150.0	± 9.6 %
		Y	4.20	66.42	15.82		150.0	
		Z	4.38	66.78	16.19		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.49	67.21	16.39	0.00	150.0	± 9.6 %
		Y	4.36	66.66	15.99		150.0	
		Z	4.55	67.04	16.34		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.51	67.21	16.40	0.00	150.0	± 9.6 %
		Y	4.38	66.66	16.00		150.0	
		Z	4.57	67.05	16.35		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.29	67.03	16.22	0.00	150.0	± 9.6 %
		Y	4.16	66.45	15.79		150.0	
		Z	4.34	66.82	16.16		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.49	67.17	16.38	0.00	150.0	± 9.6 %
		Y	4.36	66.62	15.98		150.0	
		Z	4.54	67.00	16.33		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.53	67.16	16.38	0.00	150.0	± 9.6 %
		Y	4.40	66.62	15.99		150.0	
		Z	4.59	66.99	16.34		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	4.90	67.19	16.51	0.00	150.0	± 9.6 %
		Y	4.80	66.73	16.19		150.0	
		Z	4.95	67.08	16.47		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.15	67.35	16.59	0.00	150.0	± 9.6 %
		Y	5.04	66.90	16.29		150.0	
		Z	5.23	67.30	16.59		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	4.94	67.32	16.49	0.00	150.0	± 9.6 %
		Y	4.84	66.85	16.18		150.0	
		Z	4.99	67.19	16.45		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.65	66.67	15.13	0.00	150.0	± 9.6 %
		Y	2.45	65.38	14.09		150.0	
		Z	2.68	66.33	15.12		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	8.97	95.35	28.27	6.02	65.0	± 9.6 %
		Y	4.33	80.66	23.14		65.0	
		Z	7.76	92.38	28.37		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	8.96	93.62	26.86	6.02	65.0	± 9.6 %
		Y	4.31	79.75	22.11		65.0	
		Z	8.28	92.27	27.60		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.86	81.76	25.80	6.02	65.0	± 9.6 %
		Y	3.08	76.03	23.21		65.0	
		Z	4.55	84.23	27.42		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	8.19	93.54	27.59	6.02	65.0	± 9.6 %
		Y	4.14	79.76	22.70		65.0	
		Z	7.36	91.22	27.89		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	8.05	91.72	26.18	6.02	65.0	± 9.6 %
		Y	4.08	78.80	21.68		65.0	
		Z	7.72	90.93	27.09		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.72	80.95	25.40	6.02	65.0	± 9.6 %
		Y	2.99	75.41	22.87		65.0	
		Z	4.40	83.49	27.05		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	8.17	93.51	27.58	6.02	65.0	± 9.6 %
		Y	4.13	79.74	22.70		65.0	
		Z	7.34	91.20	27.89		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	8.01	91.66	26.17	6.02	65.0	± 9.6 %
		Y	4.07	78.76	21.67		65.0	
		Z	7.69	90.88	27.07		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.62	80.33	25.03	6.02	65.0	± 9.6 %
		Y	2.93	74.93	22.55		65.0	
		Z	4.30	82.93	26.72		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	8.18	93.56	27.60	6.02	65.0	± 9.6 %
		Y	4.13	79.76	22.71		65.0	
		Z	7.35	91.23	27.90		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	8.16	91.92	26.24	6.02	65.0	± 9.6 %
		Y	4.11	78.89	21.71		65.0	
		Z	7.81	91.12	27.14		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.72	80.97	25.41	6.02	65.0	± 9.6 %
		Y	2.99	75.41	22.88		65.0	
		Z	4.40	83.52	27.07		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	8.15	93.48	27.57	6.02	65.0	± 9.6 %
		Y	4.12	79.72	22.69		65.0	
		Z	7.32	91.17	27.88		65.0	

10239-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	7.97	91.59	26.15	6.02	65.0	± 9.6 %
		Y	4.05	78.73	21.66		65.0	
		Z	7.65	90.82	27.06		65.0	
10240-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.71	80.95	25.40	6.02	65.0	± 9.6 %
		Y	2.98	75.39	22.87		65.0	
		Z	4.39	83.49	27.06		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	6.24	80.12	25.14	6.98	65.0	± 9.6 %
		Y	5.51	76.83	23.64		65.0	
		Z	6.38	79.49	25.31		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.45	77.39	23.94	6.98	65.0	± 9.6 %
		Y	4.93	74.62	22.60		65.0	
		Z	6.31	79.33	25.17		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.48	73.31	23.04	6.98	65.0	± 9.6 %
		Y	4.23	71.61	22.11		65.0	
		Z	5.20	75.66	24.50		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	2.93	67.44	12.99	3.98	65.0	± 9.6 %
		Y	2.52	65.44	11.86		65.0	
		Z	4.06	72.11	16.24		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.87	66.90	12.67	3.98	65.0	± 9.6 %
		Y	2.49	65.07	11.61		65.0	
		Z	3.90	71.23	15.78		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	2.72	70.00	14.89	3.98	65.0	± 9.6 %
		Y	2.19	67.13	13.26		65.0	
		Z	4.56	77.87	19.22		65.0	
10247-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	3.19	68.83	15.13	3.98	65.0	± 9.6 %
		Y	2.82	67.06	14.04		65.0	
		Z	4.03	72.45	17.65		65.0	
10248-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	3.16	68.24	14.84	3.98	65.0	± 9.6 %
		Y	2.82	66.62	13.82		65.0	
		Z	3.95	71.59	17.23		65.0	
10249-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	4.06	76.13	18.98	3.98	65.0	± 9.6 %
		Y	3.23	72.62	17.29		65.0	
		Z	6.18	83.32	22.65		65.0	
10250-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	4.28	72.95	19.42	3.98	65.0	± 9.6 %
		Y	3.89	71.35	18.59		65.0	
		Z	4.91	75.22	21.00		65.0	
10251-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	4.06	70.80	18.00	3.98	65.0	± 9.6 %
		Y	3.72	69.35	17.20		65.0	
		Z	4.65	72.93	19.55		65.0	
10252-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	4.77	77.84	21.28	3.98	65.0	± 9.6 %
		Y	4.06	75.12	20.05		65.0	
		Z	6.05	82.06	23.56		65.0	
10253-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	4.33	70.53	18.48	3.98	65.0	± 9.6 %
		Y	4.03	69.28	17.81		65.0	
		Z	4.80	72.11	19.68		65.0	
10254-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	4.62	71.47	19.22	3.98	65.0	± 9.6 %
		Y	4.30	70.23	18.58		65.0	
		Z	5.10	73.01	20.39		65.0	

10255-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	4.70	75.01	20.49	3.98	65.0	± 9.6 %
		Y	4.21	73.10	19.60		65.0	
		Z	5.47	77.56	22.05		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.00	63.07	9.38	3.98	65.0	± 9.6 %
		Y	1.82	62.08	8.70		65.0	
		Z	2.71	66.50	12.29		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	1.98	62.69	9.07	3.98	65.0	± 9.6 %
		Y	1.82	61.80	8.44		65.0	
		Z	2.62	65.73	11.78		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.80	64.39	10.86	3.98	65.0	± 9.6 %
		Y	1.55	62.79	9.69		65.0	
		Z	2.78	69.99	14.67		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	3.63	70.60	16.80	3.98	65.0	± 9.6 %
		Y	3.24	68.82	15.77		65.0	
		Z	4.42	73.73	18.97		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	3.66	70.33	16.66	3.98	65.0	± 9.6 %
		Y	3.28	68.62	15.67		65.0	
		Z	4.42	73.33	18.77		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	4.19	76.23	19.65	3.98	65.0	± 9.6 %
		Y	3.47	73.21	18.20		65.0	
		Z	5.72	81.65	22.59		65.0	
10262-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	4.26	72.87	19.36	3.98	65.0	± 9.6 %
		Y	3.88	71.27	18.53		65.0	
		Z	4.89	75.15	20.95		65.0	
10263-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	4.05	70.78	17.99	3.98	65.0	± 9.6 %
		Y	3.71	69.33	17.19		65.0	
		Z	4.64	72.90	19.54		65.0	
10264-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	4.72	77.62	21.16	3.98	65.0	± 9.6 %
		Y	4.02	74.92	19.94		65.0	
		Z	5.98	81.81	23.44		65.0	
10265-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	4.38	70.85	18.75	3.98	65.0	± 9.6 %
		Y	4.07	69.56	18.09		65.0	
		Z	4.86	72.52	19.96		65.0	
10266-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	4.72	71.94	19.62	3.98	65.0	± 9.6 %
		Y	4.39	70.66	18.99		65.0	
		Z	5.21	73.51	20.76		65.0	
10267-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	4.92	75.67	20.62	3.98	65.0	± 9.6 %
		Y	4.38	73.66	19.73		65.0	
		Z	5.79	78.42	22.22		65.0	
10268-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	5.04	71.06	19.37	3.98	65.0	± 9.6 %
		Y	4.74	69.93	18.83		65.0	
		Z	5.47	72.35	20.32		65.0	
10269-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	5.06	70.75	19.25	3.98	65.0	± 9.6 %
		Y	4.78	69.67	18.73		65.0	
		Z	5.47	71.94	20.16		65.0	
10270-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	5.04	73.34	19.81	3.98	65.0	± 9.6 %
		Y	4.64	71.89	19.16		65.0	
		Z	5.63	75.11	20.95		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.52	67.44	15.29	0.00	150.0	± 9.6 %
		Y	2.28	65.85	14.08		150.0	
		Z	2.53	66.97	15.19		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.63	69.47	16.18	0.00	150.0	± 9.6 %
		Y	1.30	65.99	13.81		150.0	
		Z	1.59	68.58	15.77		150.0	
10277-CAA	PHS (QPSK)	X	1.20	58.39	3.55	9.03	50.0	± 9.6 %
		Y	1.26	58.24	3.51		50.0	
		Z	1.38	59.54	4.87		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	2.20	63.49	9.08	9.03	50.0	± 9.6 %
		Y	2.21	63.12	8.88		50.0	
		Z	3.27	68.81	12.79		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	2.27	63.71	9.28	9.03	50.0	± 9.6 %
		Y	2.27	63.32	9.05		50.0	
		Z	3.39	69.21	13.05		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.05	66.66	11.52	0.00	150.0	± 9.6 %
		Y	0.63	61.33	7.71		150.0	
		Z	1.13	66.86	12.02		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.68	65.18	10.68	0.00	150.0	± 9.6 %
		Y	0.40	60.08	6.58		150.0	
		Z	0.69	64.84	10.89		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	1.44	74.60	15.13	0.00	150.0	± 9.6 %
		Y	0.44	61.36	7.62		150.0	
		Z	1.08	70.90	14.10		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	69.01	121.41	28.35	0.00	150.0	± 9.6 %
		Y	0.57	63.80	9.38		150.0	
		Z	3.40	85.62	19.92		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	15.39	90.94	23.40	9.03	50.0	± 9.6 %
		Y	17.24	91.15	23.06		50.0	
		Z	35.42	108.35	30.23		50.0	
10297-AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.64	70.35	17.09	0.00	150.0	± 9.6 %
		Y	2.31	68.03	15.62		150.0	
		Z	2.64	69.84	16.80		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.20	66.02	11.99	0.00	150.0	± 9.6 %
		Y	0.86	62.07	9.02		150.0	
		Z	1.28	66.19	12.45		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	1.59	64.75	10.12	0.00	150.0	± 9.6 %
		Y	1.18	61.73	8.13		150.0	
		Z	1.67	65.30	11.18		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.20	61.54	7.71	0.00	150.0	± 9.6 %
		Y	1.01	60.14	6.56		150.0	
		Z	1.31	62.07	8.73		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.21	64.89	16.97	4.17	50.0	± 9.6 %
		Y	4.15	64.63	16.63		50.0	
		Z	4.50	65.53	17.37		50.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	4.65	65.38	17.63	4.96	50.0	± 9.6 %
		Y	4.61	65.15	17.30		50.0	
		Z	4.94	65.98	18.01		50.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.40	64.95	17.38	4.96	50.0	± 9.6 %
		Y	4.39	65.01	17.24		50.0	
		Z	4.69	65.57	17.78		50.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.26	65.04	17.00	4.17	50.0	± 9.6 %
		Y	4.20	64.74	16.63		50.0	
		Z	4.53	65.54	17.33		50.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	3.58	65.04	17.61	6.02	35.0	± 9.6 %
		Y	3.64	65.42	17.43		35.0	
		Z	3.97	66.58	18.67		35.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.03	64.90	17.80	6.02	35.0	± 9.6 %
		Y	4.06	65.14	17.65		35.0	
		Z	4.37	66.04	18.62		35.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	3.89	64.80	17.64	6.02	35.0	± 9.6 %
		Y	3.93	65.06	17.49		35.0	
		Z	4.23	66.01	18.49		35.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	3.86	64.93	17.76	6.02	35.0	± 9.6 %
		Y	3.90	65.20	17.61		35.0	
		Z	4.21	66.20	18.63		35.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.04	64.95	17.88	6.02	35.0	± 9.6 %
		Y	4.07	65.19	17.74		35.0	
		Z	4.39	66.16	18.72		35.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	3.97	64.90	17.76	6.02	35.0	± 9.6 %
		Y	4.01	65.16	17.63		35.0	
		Z	4.31	66.07	18.58		35.0	
10311-AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.01	69.47	16.69	0.00	150.0	± 9.6 %
		Y	2.66	67.33	15.38		150.0	
		Z	3.00	69.03	16.42		150.0	
10313-AAA	iDEN 1:3	X	2.07	69.72	14.65	6.99	70.0	± 9.6 %
		Y	1.61	66.56	13.04		70.0	
		Z	3.81	78.35	18.85		70.0	
10314-AAA	iDEN 1:6	X	3.85	79.81	21.60	10.00	30.0	± 9.6 %
		Y	2.89	74.52	19.24		30.0	
		Z	7.16	91.65	26.67		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.06	64.14	15.47	0.17	150.0	± 9.6 %
		Y	0.94	62.45	13.94		150.0	
		Z	1.06	63.90	15.35		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.35	66.82	16.28	0.17	150.0	± 9.6 %
		Y	4.24	66.33	15.92		150.0	
		Z	4.43	66.77	16.34		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.35	66.82	16.28	0.17	150.0	± 9.6 %
		Y	4.24	66.33	15.92		150.0	
		Z	4.43	66.77	16.34		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.44	67.19	16.35	0.00	150.0	± 9.6 %
		Y	4.31	66.63	15.94		150.0	
		Z	4.51	67.06	16.32		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.10	66.92	16.33	0.00	150.0	± 9.6 %
		Y	4.99	66.46	16.03		150.0	
		Z	5.19	66.94	16.38		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.46	67.51	16.52	0.00	150.0	± 9.6 %
		Y	5.36	67.07	16.24		150.0	
		Z	5.51	67.41	16.49		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.05	66.66	11.52	0.00	115.0	± 9.6 %
		Y	0.63	61.33	7.71		115.0	
		Z	1.13	66.86	12.02		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.05	66.66	11.52	0.00	115.0	± 9.6 %
		Y	0.63	61.33	7.71		115.0	
		Z	1.13	66.86	12.02		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	112.66	25.21	0.00	100.0	± 9.6 %
		Y	20.95	97.54	22.26		100.0	
		Z	100.00	124.86	30.92		100.0	
10410-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	124.25	29.89	3.23	80.0	± 9.6 %
		Y	2.61	78.06	17.77		80.0	
		Z	100.00	133.16	34.42		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.02	63.76	15.15	0.00	150.0	± 9.6 %
		Y	0.91	62.08	13.59		150.0	
		Z	1.01	63.30	14.85		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.34	66.96	16.32	0.00	150.0	± 9.6 %
		Y	4.21	66.41	15.91		150.0	
		Z	4.39	66.78	16.27		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.34	66.96	16.32	0.00	150.0	± 9.6 %
		Y	4.21	66.41	15.91		150.0	
		Z	4.39	66.78	16.27		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.34	67.18	16.39	0.00	150.0	± 9.6 %
		Y	4.21	66.61	15.97		150.0	
		Z	4.39	66.98	16.33		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.35	67.11	16.37	0.00	150.0	± 9.6 %
		Y	4.22	66.54	15.95		150.0	
		Z	4.41	66.91	16.31		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.46	67.07	16.37	0.00	150.0	± 9.6 %
		Y	4.33	66.53	15.98		150.0	
		Z	4.51	66.89	16.32		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.58	67.32	16.46	0.00	150.0	± 9.6 %
		Y	4.45	66.77	16.06		150.0	
		Z	4.64	67.15	16.41		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.51	67.27	16.44	0.00	150.0	± 9.6 %
		Y	4.38	66.71	16.03		150.0	
		Z	4.57	67.11	16.39		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.13	67.40	16.60	0.00	150.0	± 9.6 %
		Y	5.04	66.99	16.32		150.0	
		Z	5.20	67.32	16.58		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.15	67.49	16.64	0.00	150.0	± 9.6 %
		Y	5.06	67.11	16.37		150.0	
		Z	5.22	67.41	16.62		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.11	67.26	16.52	0.00	150.0	± 9.6 %
		Y	5.01	66.84	16.23		150.0	
		Z	5.18	67.21	16.51		150.0	
10430-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.35	73.15	18.72	0.00	150.0	± 9.6 %
		Y	3.96	71.47	17.62		150.0	
		Z	4.18	71.77	18.24		150.0	
10431-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	3.96	67.63	16.22	0.00	150.0	± 9.6 %
		Y	3.78	66.86	15.63		150.0	
		Z	4.02	67.39	16.18		150.0	
10432-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.28	67.41	16.37	0.00	150.0	± 9.6 %
		Y	4.13	66.78	15.91		150.0	
		Z	4.34	67.21	16.32		150.0	
10433-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.53	67.31	16.46	0.00	150.0	± 9.6 %
		Y	4.40	66.75	16.06		150.0	
		Z	4.59	67.14	16.41		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.52	74.18	18.54	0.00	150.0	± 9.6 %
		Y	3.92	71.70	17.04		150.0	
		Z	4.28	72.64	18.07		150.0	
10435-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.84	29.70	3.23	80.0	± 9.6 %
		Y	2.49	77.41	17.49		80.0	
		Z	100.00	132.86	34.28		80.0	
10447-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.20	67.51	15.05	0.00	150.0	± 9.6 %
		Y	2.95	66.18	14.03		150.0	
		Z	3.27	67.27	15.14		150.0	
10448-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	3.83	67.44	16.10	0.00	150.0	± 9.6 %
		Y	3.66	66.66	15.50		150.0	
		Z	3.88	67.18	16.05		150.0	
10449-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.12	67.25	16.28	0.00	150.0	± 9.6 %
		Y	3.98	66.60	15.80		150.0	
		Z	4.17	67.04	16.22		150.0	
10450-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.33	67.10	16.32	0.00	150.0	± 9.6 %
		Y	4.20	66.52	15.90		150.0	
		Z	4.38	66.92	16.27		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	2.98	67.18	14.23	0.00	150.0	± 9.6 %
		Y	2.69	65.61	13.04		150.0	
		Z	3.09	67.12	14.46		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.05	67.85	16.71	0.00	150.0	± 9.6 %
		Y	5.99	67.56	16.52		150.0	
		Z	6.14	67.93	16.78		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.71	65.73	16.06	0.00	150.0	± 9.6 %
		Y	3.61	65.22	15.64		150.0	
		Z	3.73	65.50	15.99		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.76	71.70	16.80	0.00	150.0	± 9.6 %
		Y	3.14	68.72	14.92		150.0	
		Z	3.77	71.19	16.90		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.84	69.39	17.90	0.00	150.0	± 9.6 %
		Y	4.63	68.66	17.31		150.0	
		Z	4.85	68.80	17.86		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	1.00	71.17	17.62	0.00	150.0	± 9.6 %
		Y	0.69	65.37	13.64		150.0	
		Z	0.93	69.50	16.74		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	18.12	107.42	27.67	3.29	80.0	± 9.6 %
		Y	1.59	73.10	17.00		80.0	
		Z	100.00	137.52	36.54		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.52	3.23	80.0	± 9.6 %
		Y	0.65	60.00	7.08		80.0	
		Z	1.55	68.27	12.32		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.30	55.70	3.56	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.38		80.0	
		Z	0.70	60.31	8.06		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	9.68	96.71	23.86	3.23	80.0	± 9.6 %
		Y	1.17	68.99	14.63		80.0	
		Z	100.00	134.32	34.86		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.44	3.23	80.0	± 9.6 %
		Y	0.65	60.00	7.01		80.0	
		Z	1.17	65.54	11.13		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.30	55.63	3.47	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.34		80.0	
		Z	0.67	60.00	7.83		80.0	
10467-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	13.05	100.75	24.98	3.23	80.0	± 9.6 %
		Y	1.22	69.68	14.96		80.0	
		Z	100.00	134.78	35.06		80.0	
10468-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.46	3.23	80.0	± 9.6 %
		Y	0.64	60.00	7.03		80.0	
		Z	1.26	66.28	11.48		80.0	
10469-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.30	55.63	3.47	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.34		80.0	
		Z	0.67	60.00	7.84		80.0	
10470-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	13.41	101.11	25.06	3.23	80.0	± 9.6 %
		Y	1.22	69.68	14.96		80.0	
		Z	100.00	134.85	35.08		80.0	
10471-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.44	3.23	80.0	± 9.6 %
		Y	0.64	60.00	7.02		80.0	
		Z	1.25	66.16	11.41		80.0	
10472-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.30	55.60	3.44	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.32		80.0	
		Z	0.67	60.00	7.82		80.0	
10473-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	13.20	100.89	24.99	3.23	80.0	± 9.6 %
		Y	1.22	69.64	14.93		80.0	
		Z	100.00	134.80	35.06		80.0	
10474-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.44	3.23	80.0	± 9.6 %
		Y	0.64	60.00	7.02		80.0	
		Z	1.23	66.09	11.38		80.0	
10475-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.29	55.60	3.43	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.32		80.0	
		Z	0.67	60.00	7.82		80.0	

10477-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.61	60.00	6.41	3.23	80.0	± 9.6 %
		Y	0.64	60.00	6.99		80.0	
		Z	1.17	65.51	11.10		80.0	
10478-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.29	55.58	3.41	3.23	80.0	± 9.6 %
		Y	0.67	60.00	6.31		80.0	
		Z	0.67	60.00	7.81		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	10.24	93.57	24.47	3.23	80.0	± 9.6 %
		Y	3.56	78.00	19.13		80.0	
		Z	14.45	99.71	27.27		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.37	72.85	14.82	3.23	80.0	± 9.6 %
		Y	1.74	65.35	11.75		80.0	
		Z	10.20	87.09	20.87		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.97	66.54	11.88	3.23	80.0	± 9.6 %
		Y	1.37	62.55	10.01		80.0	
		Z	5.58	78.63	17.68		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.40	64.37	11.99	2.23	80.0	± 9.6 %
		Y	1.02	60.88	9.69		80.0	
		Z	2.54	71.77	16.13		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.49	62.06	9.90	2.23	80.0	± 9.6 %
		Y	1.23	60.00	8.47		80.0	
		Z	2.69	68.58	13.92		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.46	61.60	9.66	2.23	80.0	± 9.6 %
		Y	1.26	60.00	8.46		80.0	
		Z	2.47	67.30	13.36		80.0	
10485-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.13	69.41	15.87	2.23	80.0	± 9.6 %
		Y	1.58	65.33	13.58		80.0	
		Z	3.12	74.84	18.84		80.0	
10486-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.99	65.00	12.93	2.23	80.0	± 9.6 %
		Y	1.62	62.36	11.21		80.0	
		Z	2.73	68.96	15.47		80.0	
10487-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.99	64.62	12.71	2.23	80.0	± 9.6 %
		Y	1.63	62.15	11.07		80.0	
		Z	2.69	68.36	15.17		80.0	
10488-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.57	69.86	17.42	2.23	80.0	± 9.6 %
		Y	2.18	67.25	15.98		80.0	
		Z	3.16	72.76	19.11		80.0	
10489-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.72	67.31	16.03	2.23	80.0	± 9.6 %
		Y	2.42	65.54	14.96		80.0	
		Z	3.10	69.01	17.27		80.0	
10490-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.80	67.18	15.97	2.23	80.0	± 9.6 %
		Y	2.50	65.50	14.93		80.0	
		Z	3.18	68.80	17.17		80.0	
10491-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.89	68.81	17.23	2.23	80.0	± 9.6 %
		Y	2.57	66.92	16.18		80.0	
		Z	3.35	70.81	18.46		80.0	
10492-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.10	66.80	16.33	2.23	80.0	± 9.6 %
		Y	2.86	65.54	15.57		80.0	
		Z	3.41	67.97	17.22		80.0	

10493-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.16	66.70	16.28	2.23	80.0	± 9.6 %
		Y	2.92	65.48	15.54		80.0	
		Z	3.46	67.82	17.15		80.0	
10494-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.08	69.97	17.66	2.23	80.0	± 9.6 %
		Y	2.69	67.82	16.52		80.0	
		Z	3.63	72.33	19.00		80.0	
10495-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.12	67.01	16.54	2.23	80.0	± 9.6 %
		Y	2.88	65.74	15.79		80.0	
		Z	3.43	68.22	17.43		80.0	
10496-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.20	66.86	16.50	2.23	80.0	± 9.6 %
		Y	2.98	65.66	15.79		80.0	
		Z	3.50	67.97	17.33		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	0.90	60.00	8.18	2.23	80.0	± 9.6 %
		Y	0.88	60.00	7.56		80.0	
		Z	1.34	63.69	11.10		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.08	60.00	6.86	2.23	80.0	± 9.6 %
		Y	1.07	60.00	6.34		80.0	
		Z	1.14	60.00	7.84		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.10	60.00	6.68	2.23	80.0	± 9.6 %
		Y	1.10	60.00	6.17		80.0	
		Z	1.16	60.00	7.67		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.32	69.67	16.54	2.23	80.0	± 9.6 %
		Y	1.83	66.27	14.63		80.0	
		Z	3.08	73.74	18.86		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.35	66.42	14.35	2.23	80.0	± 9.6 %
		Y	1.97	63.97	12.83		80.0	
		Z	2.95	69.35	16.32		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.38	66.22	14.17	2.23	80.0	± 9.6 %
		Y	2.00	63.84	12.67		80.0	
		Z	2.99	69.11	16.12		80.0	
10503-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.54	69.67	17.32	2.23	80.0	± 9.6 %
		Y	2.15	67.09	15.89		80.0	
		Z	3.12	72.55	19.01		80.0	
10504-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.70	67.20	15.97	2.23	80.0	± 9.6 %
		Y	2.41	65.45	14.89		80.0	
		Z	3.09	68.91	17.21		80.0	
10505-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.78	67.09	15.90	2.23	80.0	± 9.6 %
		Y	2.49	65.41	14.87		80.0	
		Z	3.16	68.71	17.11		80.0	
10506-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.05	69.84	17.58	2.23	80.0	± 9.6 %
		Y	2.68	67.70	16.45		80.0	
		Z	3.60	72.19	18.92		80.0	
10507-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.10	66.95	16.50	2.23	80.0	± 9.6 %
		Y	2.87	65.68	15.76		80.0	
		Z	3.41	68.16	17.39		80.0	

10508-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.19	66.79	16.45	2.23	80.0	± 9.6 %
		Y	2.97	65.60	15.75		80.0	
		Z	3.49	67.90	17.29		80.0	
10509-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.50	69.10	17.30	2.23	80.0	± 9.6 %
		Y	3.16	67.44	16.43		80.0	
		Z	3.95	70.79	18.31		80.0	
10510-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.58	66.78	16.63	2.23	80.0	± 9.6 %
		Y	3.37	65.74	16.04		80.0	
		Z	3.87	67.75	17.33		80.0	
10511-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.66	66.65	16.59	2.23	80.0	± 9.6 %
		Y	3.46	65.66	16.04		80.0	
		Z	3.93	67.53	17.26		80.0	
10512-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.54	70.17	17.63	2.23	80.0	± 9.6 %
		Y	3.14	68.17	16.61		80.0	
		Z	4.11	72.33	18.82		80.0	
10513-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.47	66.86	16.68	2.23	80.0	± 9.6 %
		Y	3.26	65.76	16.06		80.0	
		Z	3.76	67.92	17.43		80.0	
10514-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.52	66.58	16.59	2.23	80.0	± 9.6 %
		Y	3.32	65.56	16.02		80.0	
		Z	3.80	67.54	17.30		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.98	63.99	15.25	0.00	150.0	± 9.6 %
		Y	0.87	62.19	13.58		150.0	
		Z	0.97	63.51	14.93		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.77	75.90	20.23	0.00	150.0	± 9.6 %
		Y	0.43	66.10	13.76		150.0	
		Z	0.68	73.13	18.68		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.84	66.39	16.22	0.00	150.0	± 9.6 %
		Y	0.69	63.31	13.64		150.0	
		Z	0.82	65.63	15.70		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.33	67.08	16.32	0.00	150.0	± 9.6 %
		Y	4.20	66.51	15.90		150.0	
		Z	4.38	66.88	16.26		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.47	67.23	16.40	0.00	150.0	± 9.6 %
		Y	4.34	66.67	15.99		150.0	
		Z	4.53	67.05	16.35		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.33	67.17	16.32	0.00	150.0	± 9.6 %
		Y	4.20	66.58	15.89		150.0	
		Z	4.39	66.99	16.27		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.27	67.13	16.30	0.00	150.0	± 9.6 %
		Y	4.13	66.53	15.86		150.0	
		Z	4.33	66.96	16.25		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.31	67.23	16.38	0.00	150.0	± 9.6 %
		Y	4.17	66.63	15.94		150.0	
		Z	4.38	67.09	16.35		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.26	67.30	16.35	0.00	150.0	± 9.6 %
		Y	4.12	66.69	15.90		150.0	
		Z	4.30	67.07	16.27		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.27	67.23	16.39	0.00	150.0	± 9.6 %
		Y	4.13	66.63	15.96		150.0	
		Z	4.33	67.04	16.34		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.31	66.36	16.03	0.00	150.0	± 9.6 %
		Y	4.17	65.75	15.60		150.0	
		Z	4.36	66.14	15.96		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.42	66.62	16.13	0.00	150.0	± 9.6 %
		Y	4.28	65.99	15.70		150.0	
		Z	4.48	66.43	16.08		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.36	66.60	16.08	0.00	150.0	± 9.6 %
		Y	4.21	65.96	15.63		150.0	
		Z	4.41	66.40	16.02		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.37	66.61	16.11	0.00	150.0	± 9.6 %
		Y	4.23	65.98	15.67		150.0	
		Z	4.43	66.42	16.05		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.37	66.61	16.11	0.00	150.0	± 9.6 %
		Y	4.23	65.98	15.67		150.0	
		Z	4.43	66.42	16.05		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.33	66.62	16.08	0.00	150.0	± 9.6 %
		Y	4.18	65.96	15.63		150.0	
		Z	4.40	66.45	16.03		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.22	66.49	16.02	0.00	150.0	± 9.6 %
		Y	4.07	65.82	15.55		150.0	
		Z	4.28	66.31	15.96		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.38	66.70	16.12	0.00	150.0	± 9.6 %
		Y	4.23	66.06	15.67		150.0	
		Z	4.44	66.50	16.05		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.93	66.53	16.15	0.00	150.0	± 9.6 %
		Y	4.81	66.02	15.81		150.0	
		Z	4.98	66.40	16.10		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.96	66.63	16.20	0.00	150.0	± 9.6 %
		Y	4.85	66.13	15.86		150.0	
		Z	5.03	66.55	16.17		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.86	66.65	16.18	0.00	150.0	± 9.6 %
		Y	4.74	66.10	15.82		150.0	
		Z	4.92	66.55	16.15		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	4.93	66.67	16.20	0.00	150.0	± 9.6 %
		Y	4.82	66.18	15.87		150.0	
		Z	4.98	66.53	16.14		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	4.99	66.59	16.20	0.00	150.0	± 9.6 %
		Y	4.87	66.10	15.87		150.0	
		Z	5.05	66.50	16.17		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	4.92	66.56	16.20	0.00	150.0	± 9.6 %
		Y	4.80	66.04	15.86		150.0	
		Z	4.98	66.46	16.17		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	4.91	66.49	16.15	0.00	150.0	± 9.6 %
		Y	4.79	65.98	15.80		150.0	
		Z	4.96	66.36	16.10		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.06	66.58	16.21	0.00	150.0	± 9.6 %
		Y	4.94	66.09	15.88		150.0	
		Z	5.12	66.47	16.17		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.14	66.68	16.29	0.00	150.0	± 9.6 %
		Y	5.03	66.24	15.99		150.0	
		Z	5.19	66.54	16.23		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.28	66.57	16.12	0.00	150.0	± 9.6 %
		Y	5.18	66.09	15.82		150.0	
		Z	5.33	66.48	16.09		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.45	67.01	16.30	0.00	150.0	± 9.6 %
		Y	5.36	66.59	16.03		150.0	
		Z	5.51	66.94	16.28		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.31	66.69	16.15	0.00	150.0	± 9.6 %
		Y	5.20	66.20	15.84		150.0	
		Z	5.36	66.61	16.13		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.40	66.83	16.22	0.00	150.0	± 9.6 %
		Y	5.31	66.43	15.96		150.0	
		Z	5.44	66.72	16.18		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.51	67.38	16.47	0.00	150.0	± 9.6 %
		Y	5.42	66.93	16.18		150.0	
		Z	5.60	67.41	16.50		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.38	66.92	16.28	0.00	150.0	± 9.6 %
		Y	5.30	66.54	16.03		150.0	
		Z	5.43	66.80	16.24		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.30	66.65	16.11	0.00	150.0	± 9.6 %
		Y	5.18	66.14	15.79		150.0	
		Z	5.36	66.58	16.09		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.29	66.71	16.14	0.00	150.0	± 9.6 %
		Y	5.18	66.21	15.82		150.0	
		Z	5.34	66.59	16.09		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.34	66.63	16.13	0.00	150.0	± 9.6 %
		Y	5.23	66.15	15.82		150.0	
		Z	5.39	66.55	16.10		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.71	66.89	16.19	0.00	150.0	± 9.6 %
		Y	5.61	66.45	15.92		150.0	
		Z	5.75	66.82	16.17		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.79	67.09	16.28	0.00	150.0	± 9.6 %
		Y	5.70	66.66	16.01		150.0	
		Z	5.85	67.06	16.28		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.83	67.23	16.33	0.00	150.0	± 9.6 %
		Y	5.75	66.83	16.09		150.0	
		Z	5.89	67.17	16.32		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.79	67.09	16.28	0.00	150.0	± 9.6 %
		Y	5.69	66.64	16.01		150.0	
		Z	5.84	67.03	16.27		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.78	67.10	16.31	0.00	150.0	± 9.6 %
		Y	5.67	66.62	16.02		150.0	
		Z	5.86	67.11	16.33		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.81	67.06	16.32	0.00	150.0	± 9.6 %
		Y	5.71	66.60	16.04		150.0	
		Z	5.87	67.02	16.32		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.75	67.04	16.35	0.00	150.0	± 9.6 %
		Y	5.65	66.60	16.07		150.0	
		Z	5.80	67.01	16.35		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.79	67.18	16.42	0.00	150.0	± 9.6 %
		Y	5.68	66.71	16.13		150.0	
		Z	5.86	67.19	16.44		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.90	67.20	16.39	0.00	150.0	± 9.6 %
		Y	5.81	66.78	16.13		150.0	
		Z	5.95	67.14	16.38		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.64	67.04	16.41	0.46	150.0	± 9.6 %
		Y	4.52	66.54	16.05		150.0	
		Z	4.70	66.90	16.40		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	4.83	67.45	16.73	0.46	150.0	± 9.6 %
		Y	4.71	66.96	16.38		150.0	
		Z	4.90	67.31	16.71		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.66	67.25	16.53	0.46	150.0	± 9.6 %
		Y	4.54	66.74	16.16		150.0	
		Z	4.74	67.14	16.53		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.70	67.67	16.92	0.46	150.0	± 9.6 %
		Y	4.58	67.15	16.55		150.0	
		Z	4.77	67.52	16.89		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.54	66.92	16.23	0.46	150.0	± 9.6 %
		Y	4.42	66.40	15.85		150.0	
		Z	4.64	66.89	16.28		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.70	67.93	17.07	0.46	150.0	± 9.6 %
		Y	4.57	67.41	16.71		150.0	
		Z	4.75	67.73	17.02		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.69	67.69	16.95	0.46	150.0	± 9.6 %
		Y	4.56	67.17	16.58		150.0	
		Z	4.76	67.53	16.92		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.08	64.14	15.45	0.46	130.0	± 9.6 %
		Y	0.97	62.52	14.02		130.0	
		Z	1.11	64.21	15.59		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.09	64.69	15.82	0.46	130.0	± 9.6 %
		Y	0.98	62.93	14.31		130.0	
		Z	1.12	64.76	15.95		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.58	84.82	23.68	0.46	130.0	± 9.6 %
		Y	0.69	70.46	16.37		130.0	
		Z	1.86	87.04	24.47		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.15	70.27	18.88	0.46	130.0	± 9.6 %
		Y	0.93	66.55	16.29		130.0	
		Z	1.19	70.36	18.97		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.40	66.72	16.36	0.46	130.0	± 9.6 %
		Y	4.29	66.25	16.02		130.0	
		Z	4.48	66.68	16.44		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.43	66.94	16.46	0.46	130.0	± 9.6 %
		Y	4.32	66.47	16.12		130.0	
		Z	4.51	66.87	16.53		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.58	67.16	16.60	0.46	130.0	± 9.6 %
		Y	4.47	66.69	16.27		130.0	
		Z	4.67	67.11	16.67		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.49	67.32	16.72	0.46	130.0	± 9.6 %
		Y	4.37	66.83	16.37		130.0	
		Z	4.58	67.25	16.77		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.24	66.44	15.93	0.46	130.0	± 9.6 %
		Y	4.12	65.94	15.56		130.0	
		Z	4.33	66.47	16.05		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.26	66.47	15.94	0.46	130.0	± 9.6 %
		Y	4.15	65.97	15.56		130.0	
		Z	4.37	66.53	16.08		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.41	67.42	16.71	0.46	130.0	± 9.6 %
		Y	4.29	66.91	16.34		130.0	
		Z	4.49	67.33	16.75		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.16	66.20	15.70	0.46	130.0	± 9.6 %
		Y	4.05	65.70	15.33		130.0	
		Z	4.27	66.25	15.84		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.40	66.72	16.36	0.46	130.0	± 9.6 %
		Y	4.29	66.25	16.02		130.0	
		Z	4.48	66.68	16.44		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.43	66.94	16.46	0.46	130.0	± 9.6 %
		Y	4.32	66.47	16.12		130.0	
		Z	4.51	66.87	16.53		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.58	67.16	16.60	0.46	130.0	± 9.6 %
		Y	4.47	66.69	16.27		130.0	
		Z	4.67	67.11	16.67		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.49	67.32	16.72	0.46	130.0	± 9.6 %
		Y	4.37	66.83	16.37		130.0	
		Z	4.58	67.25	16.77		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.24	66.44	15.93	0.46	130.0	± 9.6 %
		Y	4.12	65.94	15.56		130.0	
		Z	4.33	66.47	16.05		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.26	66.47	15.94	0.46	130.0	± 9.6 %
		Y	4.15	65.97	15.56		130.0	
		Z	4.37	66.53	16.08		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.41	67.42	16.71	0.46	130.0	± 9.6 %
		Y	4.29	66.91	16.34		130.0	
		Z	4.49	67.33	16.75		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.16	66.20	15.70	0.46	130.0	± 9.6 %
		Y	4.05	65.70	15.33		130.0	
		Z	4.27	66.25	15.84		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.56	66.82	16.50	0.46	130.0	± 9.6 %
		Y	4.45	66.38	16.18		130.0	
		Z	4.64	66.75	16.56		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.67	67.10	16.62	0.46	130.0	± 9.6 %
		Y	4.55	66.64	16.30		130.0	
		Z	4.76	67.05	16.68		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.58	66.97	16.47	0.46	130.0	± 9.6 %
		Y	4.47	66.51	16.14		130.0	
		Z	4.68	66.93	16.54		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.64	67.15	16.64	0.46	130.0	± 9.6 %
		Y	4.53	66.69	16.32		130.0	
		Z	4.73	67.11	16.71		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.60	67.13	16.55	0.46	130.0	± 9.6 %
		Y	4.49	66.66	16.22		130.0	
		Z	4.70	67.09	16.62		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.53	67.08	16.53	0.46	130.0	± 9.6 %
		Y	4.42	66.60	16.19		130.0	
		Z	4.63	67.06	16.61		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.49	66.94	16.38	0.46	130.0	± 9.6 %
		Y	4.37	66.46	16.03		130.0	
		Z	4.58	66.93	16.47		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.48	67.20	16.67	0.46	130.0	± 9.6 %
		Y	4.37	66.71	16.32		130.0	
		Z	4.57	67.15	16.73		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.24	67.26	16.75	0.46	130.0	± 9.6 %
		Y	5.17	66.94	16.54		130.0	
		Z	5.32	67.23	16.80		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.33	67.58	16.88	0.46	130.0	± 9.6 %
		Y	5.27	67.33	16.70		130.0	
		Z	5.43	67.63	16.98		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.25	67.42	16.82	0.46	130.0	± 9.6 %
		Y	5.19	67.14	16.63		130.0	
		Z	5.33	67.38	16.87		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.32	67.37	16.71	0.46	130.0	± 9.6 %
		Y	5.25	67.07	16.51		130.0	
		Z	5.45	67.53	16.87		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.38	67.65	17.00	0.46	130.0	± 9.6 %
		Y	5.30	67.32	16.78		130.0	
		Z	5.51	67.77	17.12		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.25	67.20	16.74	0.46	130.0	± 9.6 %
		Y	5.16	66.82	16.49		130.0	
		Z	5.40	67.44	16.93		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.31	67.42	16.85	0.46	130.0	± 9.6 %
		Y	5.24	67.10	16.63		130.0	
		Z	5.42	67.50	16.97		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.12	66.92	16.45	0.46	130.0	± 9.6 %
		Y	5.05	66.62	16.24		130.0	
		Z	5.20	66.91	16.52		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.41	66.20	16.16	0.46	130.0	± 9.6 %
		Y	4.29	65.69	15.81		130.0	
		Z	4.49	66.12	16.21		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.54	66.51	16.30	0.46	130.0	± 9.6 %
		Y	4.41	65.99	15.94		130.0	
		Z	4.63	66.46	16.36		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.44	66.34	16.12	0.46	130.0	± 9.6 %
		Y	4.31	65.80	15.75		130.0	
		Z	4.53	66.30	16.19		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.49	66.52	16.29	0.46	130.0	± 9.6 %
		Y	4.36	65.99	15.93		130.0	
		Z	4.58	66.46	16.35		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.40	66.30	16.13	0.46	130.0	± 9.6 %
		Y	4.27	65.76	15.76		130.0	
		Z	4.49	66.26	16.20		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.38	66.41	16.16	0.46	130.0	± 9.6 %
		Y	4.25	65.85	15.78		130.0	
		Z	4.48	66.40	16.24		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.38	66.21	16.00	0.46	130.0	± 9.6 %
		Y	4.25	65.67	15.61		130.0	
		Z	4.48	66.22	16.09		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.36	66.48	16.27	0.46	130.0	± 9.6 %
		Y	4.23	65.92	15.89		130.0	
		Z	4.44	66.43	16.33		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.39	66.12	15.89	0.46	130.0	± 9.6 %
		Y	4.26	65.59	15.51		130.0	
		Z	4.49	66.11	15.98		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.05	66.44	16.33	0.46	130.0	± 9.6 %
		Y	4.95	66.02	16.06		130.0	
		Z	5.13	66.43	16.39		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.08	66.53	16.35	0.46	130.0	± 9.6 %
		Y	4.98	66.12	16.09		130.0	
		Z	5.18	66.59	16.44		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	4.99	66.61	16.41	0.46	130.0	± 9.6 %
		Y	4.89	66.15	16.11		130.0	
		Z	5.09	66.65	16.49		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.02	66.48	16.27	0.46	130.0	± 9.6 %
		Y	4.94	66.10	16.02		130.0	
		Z	5.11	66.46	16.33		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.08	66.43	16.29	0.46	130.0	± 9.6 %
		Y	4.99	66.02	16.03		130.0	
		Z	5.18	66.46	16.37		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.10	66.56	16.48	0.46	130.0	± 9.6 %
		Y	5.00	66.14	16.22		130.0	
		Z	5.18	66.56	16.54		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.08	66.65	16.52	0.46	130.0	± 9.6 %
		Y	4.98	66.22	16.25		130.0	
		Z	5.17	66.66	16.59		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	4.98	66.21	16.16	0.46	130.0	± 9.6 %
		Y	4.88	65.79	15.89		130.0	
		Z	5.06	66.21	16.23		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.17	66.46	16.35	0.46	130.0	± 9.6 %
		Y	5.08	66.07	16.10		130.0	
		Z	5.26	66.47	16.42		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.25	66.61	16.49	0.46	130.0	± 9.6 %
		Y	5.18	66.30	16.29		130.0	
		Z	5.37	66.66	16.58		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.38	66.44	16.27	0.46	130.0	± 9.6 %
		Y	5.30	66.05	16.03		130.0	
		Z	5.46	66.46	16.34		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.60	67.04	16.55	0.46	130.0	± 9.6 %
		Y	5.54	66.74	16.35		130.0	
		Z	5.70	67.10	16.63		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.37	66.41	16.15	0.46	130.0	± 9.6 %
		Y	5.29	66.01	15.91		130.0	
		Z	5.46	66.46	16.24		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.49	66.65	16.27	0.46	130.0	± 9.6 %
		Y	5.44	66.37	16.09		130.0	
		Z	5.56	66.64	16.32		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.67	67.41	16.66	0.46	130.0	± 9.6 %
		Y	5.61	67.09	16.45		130.0	
		Z	5.83	67.66	16.84		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.67	67.52	16.91	0.46	130.0	± 9.6 %
		Y	5.58	67.12	16.67		130.0	
		Z	5.78	67.60	17.00		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.62	67.28	16.81	0.46	130.0	± 9.6 %
		Y	5.58	67.03	16.65		130.0	
		Z	5.69	67.24	16.84		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.39	66.48	16.23	0.46	130.0	± 9.6 %
		Y	5.30	66.07	15.98		130.0	
		Z	5.50	66.59	16.34		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.43	66.71	16.40	0.46	130.0	± 9.6 %
		Y	5.34	66.29	16.14		130.0	
		Z	5.51	66.70	16.45		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.28	65.91	15.71	0.46	130.0	± 9.6 %
		Y	5.19	65.51	15.47		130.0	
		Z	5.37	65.99	15.83		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.82	66.79	16.35	0.46	130.0	± 9.6 %
		Y	5.75	66.43	16.14		130.0	
		Z	5.89	66.82	16.42		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	5.93	67.06	16.48	0.46	130.0	± 9.6 %
		Y	5.86	66.73	16.28		130.0	
		Z	6.02	67.15	16.58		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	5.97	67.18	16.51	0.46	130.0	± 9.6 %
		Y	5.90	66.83	16.31		130.0	
		Z	6.04	67.18	16.57		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	5.91	67.02	16.48	0.46	130.0	± 9.6 %
		Y	5.84	66.65	16.26		130.0	
		Z	6.00	67.07	16.55		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	5.86	66.86	16.34	0.46	130.0	± 9.6 %
		Y	5.77	66.46	16.10		130.0	
		Z	5.97	67.00	16.46		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	5.97	66.99	16.42	0.46	130.0	± 9.6 %
		Y	5.91	66.67	16.24		130.0	
		Z	6.06	67.06	16.52		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	5.99	67.18	16.69	0.46	130.0	± 9.6 %
		Y	5.91	66.80	16.47		130.0	
		Z	6.08	67.23	16.76		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.84	66.86	16.42	0.46	130.0	± 9.6 %
		Y	5.76	66.48	16.19		130.0	
		Z	5.93	66.95	16.52		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5.88	67.02	16.52	0.46	130.0	± 9.6 %
		Y	5.80	66.62	16.28		130.0	
		Z	5.99	67.15	16.64		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.01	67.08	16.51	0.46	130.0	± 9.6 %
		Y	5.95	66.75	16.32		130.0	
		Z	6.15	67.27	16.67		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	6.09	90.38	31.74	9.30	60.0	± 9.6 %
		Y	4.85	83.69	28.81		60.0	
		Z	8.85	99.41	35.85		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	5.26	87.32	30.71	9.30	60.0	± 9.6 %
		Y	4.34	81.60	28.08		60.0	
		Z	7.52	95.84	34.73		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.50	62.03	8.43	0.00	150.0	± 9.6 %
		Y	0.37	60.00	6.00		150.0	
		Z	0.54	62.23	8.92		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.11	66.19	15.82	2.23	80.0	± 9.6 %
		Y	2.88	64.96	15.01		80.0	
		Z	3.33	66.82	16.45		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.67	65.53	16.17	2.23	80.0	± 9.6 %
		Y	3.50	64.72	15.65		80.0	
		Z	3.84	65.93	16.60		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	3.70	65.14	16.21	2.23	80.0	± 9.6 %
		Y	3.55	64.40	15.75		80.0	
		Z	3.85	65.51	16.60		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	3.78	65.04	16.25	2.23	80.0	± 9.6 %
		Y	3.64	64.33	15.82		80.0	
		Z	3.92	65.42	16.63		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	2.65	66.31	10.09	10.00	50.0	± 9.6 %
		Y	2.79	66.49	10.42		50.0	
		Z	100.00	107.09	23.68		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	1.56	65.00	8.60	6.99	60.0	± 9.6 %
		Y	1.34	63.69	8.06		60.0	
		Z	100.00	108.00	22.98		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	1.22	66.63	8.31	3.98	80.0	± 9.6 %
		Y	0.42	60.00	4.93		80.0	
		Z	100.00	112.88	23.74		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	91.69	13.69	2.22	100.0	± 9.6 %
		Y	0.24	60.00	3.52		100.0	
		Z	100.00	121.26	25.88		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	99.99	84.05	9.95	0.97	120.0	± 9.6 %
		Y	1.92	105.49	2.85		120.0	
		Z	100.00	143.45	32.32		120.0	

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

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Accreditation No.: SCS 0108

Client PC Test

Certificate No: ES3-3131_Mar18

CALIBRATION CERTIFICATE

Object: ES3DV3 - SN:3131

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

SC 3/21/18

Calibration date: March 13, 2018

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

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

Calibration Equipment used (M&TE critical for calibration)

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

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

Issued: March 13, 2018

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Accreditation No.: SCS 0108

Glossary:

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

Probe ES3DV3

SN:3131

Manufactured: February 6, 2007
Calibrated: March 13, 2018

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3131

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	1.27	1.26	1.21	± 10.1 %
DCP (mV)[B]	104.8	101.0	102.1	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	190.2	±3.5 %
		Y	0.0	0.0	1.0		209.7	
		Z	0.0	0.0	1.0		205.3	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	59.71	424.3	34.95	29.43	2.926	5.10	0.529	0.536	1.010
Y	55.55	399.2	35.49	28.93	2.461	5.10	0.546	0.521	1.009
Z	63.86	454.3	34.89	29.70	3.365	5.10	0.736	0.556	1.011

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

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3131

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	6.65	6.65	6.65	0.80	1.13	± 12.0 %
835	41.5	0.90	6.35	6.35	6.35	0.80	1.09	± 12.0 %
1750	40.1	1.37	5.57	5.57	5.57	0.41	1.61	± 12.0 %
1900	40.0	1.40	5.27	5.27	5.27	0.55	1.42	± 12.0 %
2300	39.5	1.67	5.01	5.01	5.01	0.78	1.19	± 12.0 %
2450	39.2	1.80	4.75	4.75	4.75	0.71	1.31	± 12.0 %
2600	39.0	1.96	4.56	4.56	4.56	0.64	1.39	± 12.0 %

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

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

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3131

Calibration Parameter Determined in Body Tissue Simulating Media

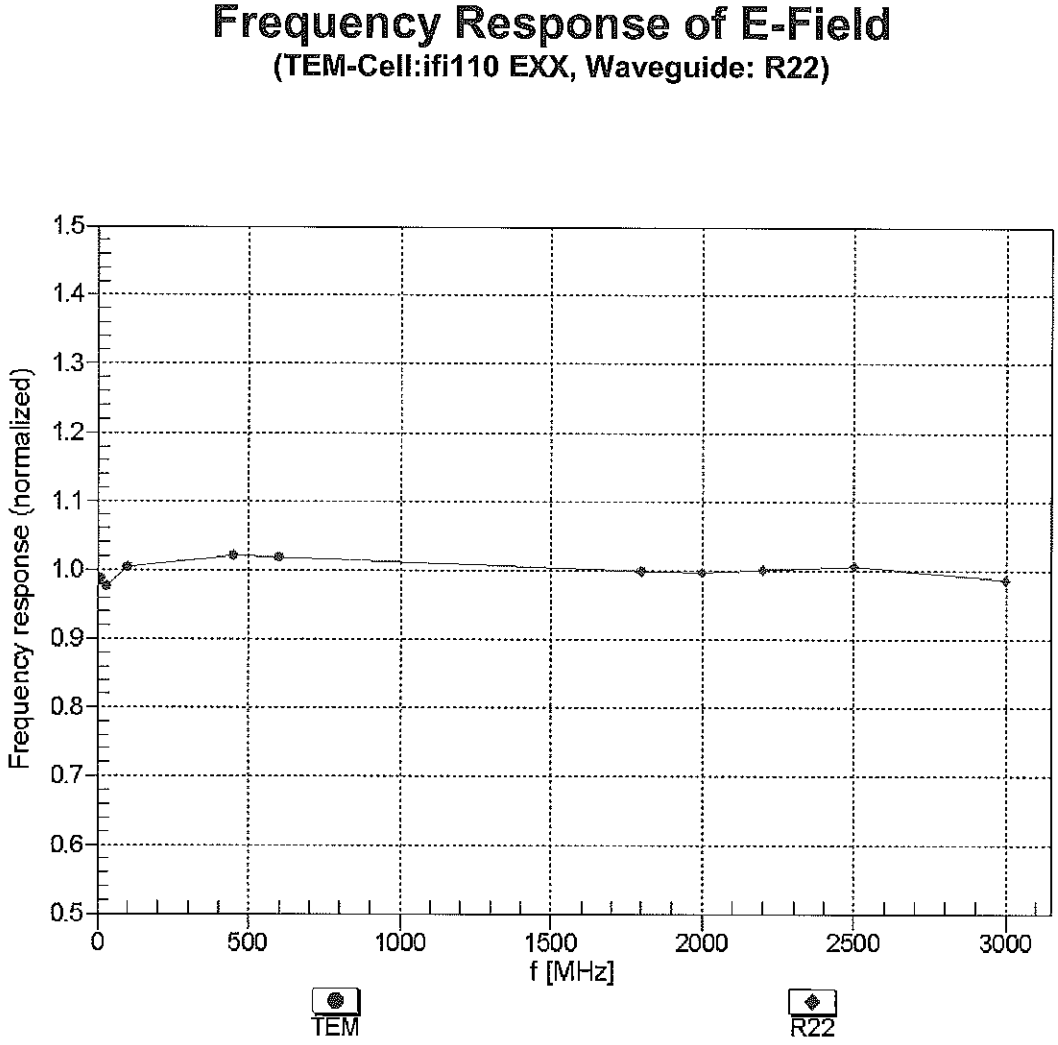
f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	6.26	6.26	6.26	0.80	1.10	± 12.0 %
835	55.2	0.97	6.14	6.14	6.14	0.80	1.16	± 12.0 %
1750	53.4	1.49	5.03	5.03	5.03	0.69	1.29	± 12.0 %
1900	53.3	1.52	4.80	4.80	4.80	0.45	1.65	± 12.0 %
2300	52.9	1.81	4.59	4.59	4.59	0.80	1.22	± 12.0 %
2450	52.7	1.95	4.45	4.45	4.45	0.80	1.25	± 12.0 %
2600	52.5	2.16	4.25	4.25	4.25	0.80	1.20	± 12.0 %

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

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

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

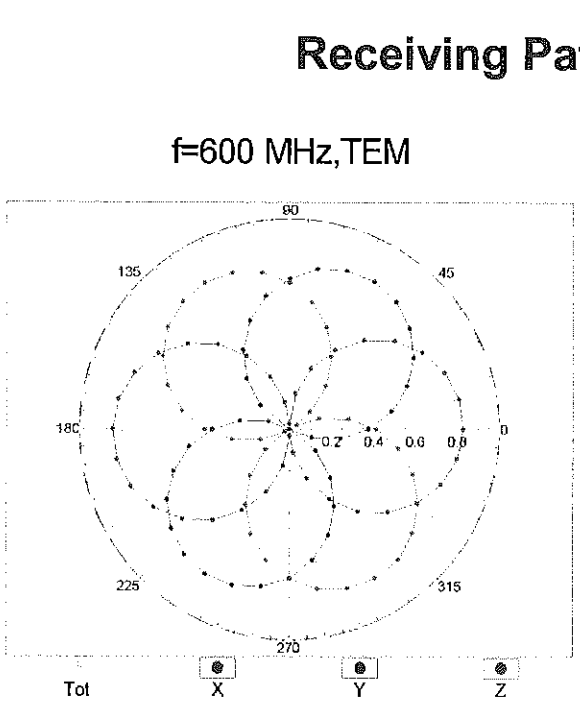
Frequency Response of E-Field
(TEM-Cell:ifi110 EXX, Waveguide: R22)



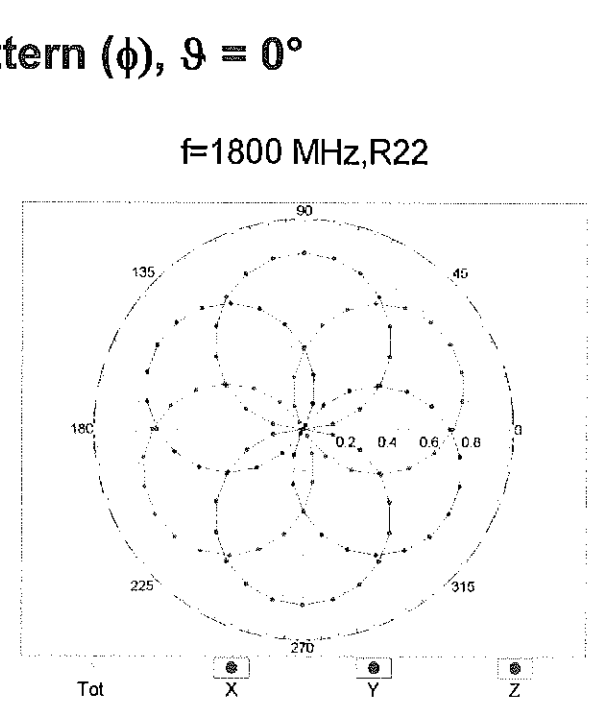
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

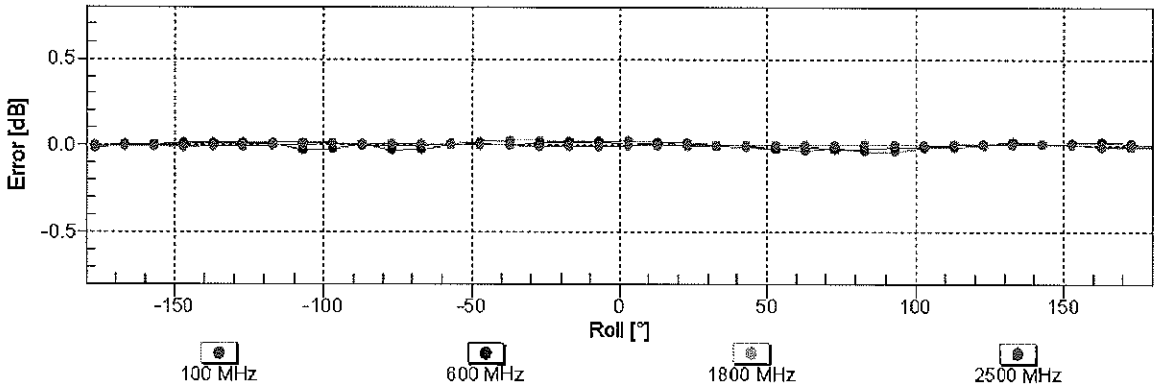
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



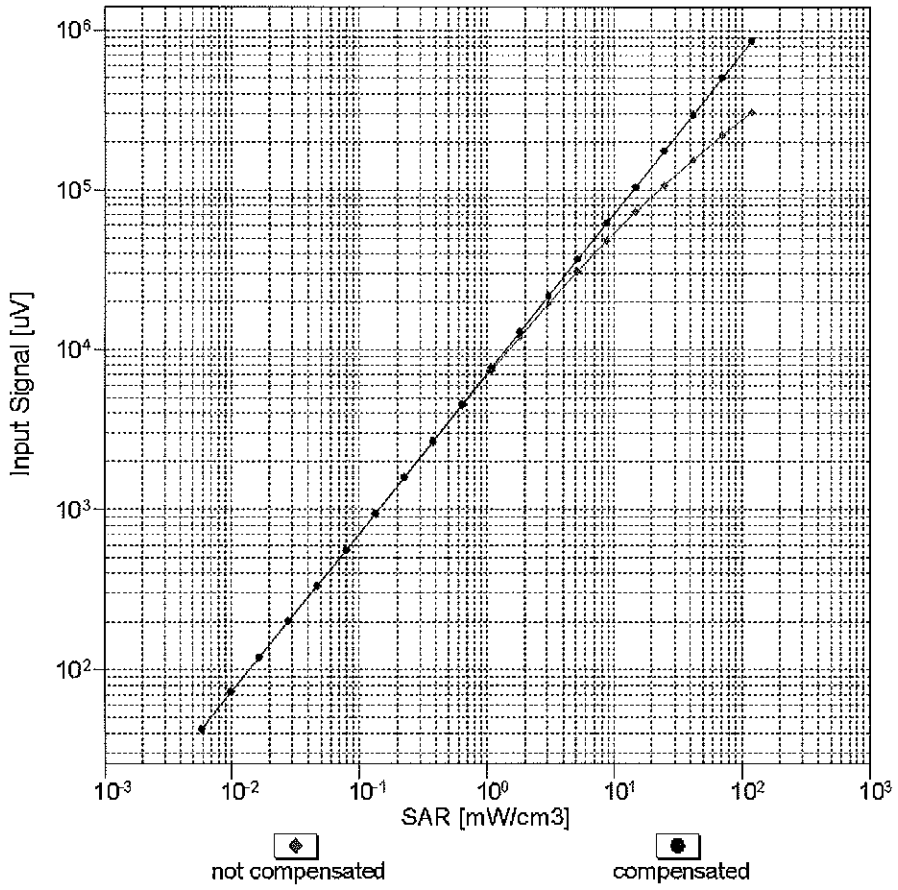
f=1800 MHz,R22

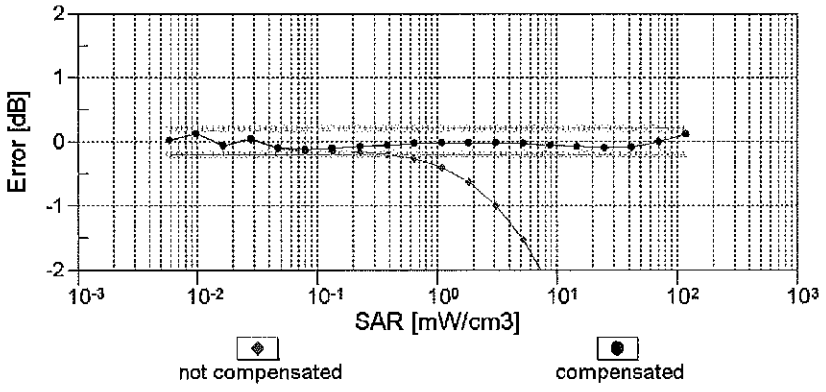




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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

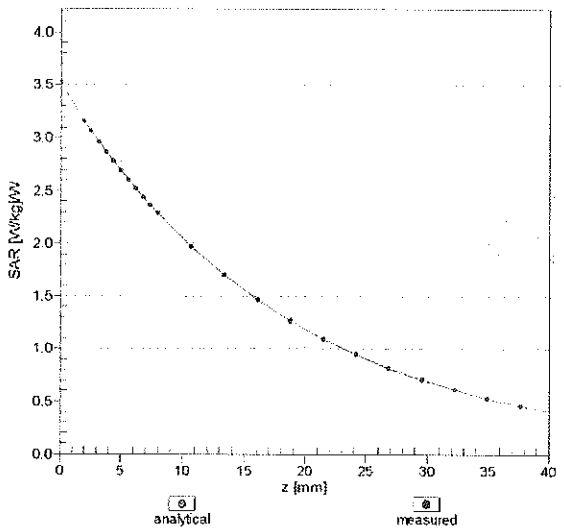




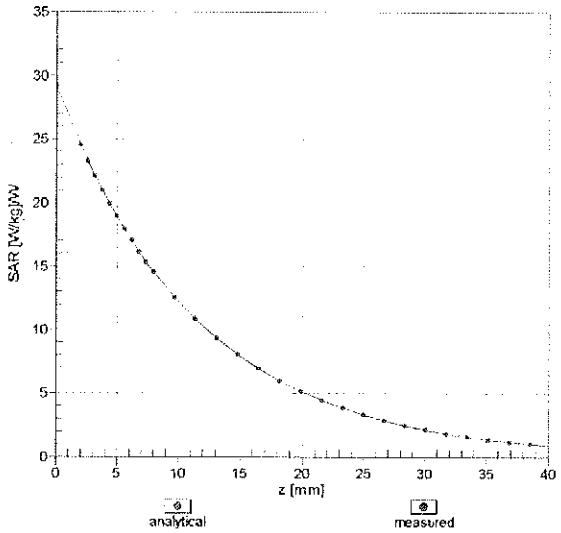
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

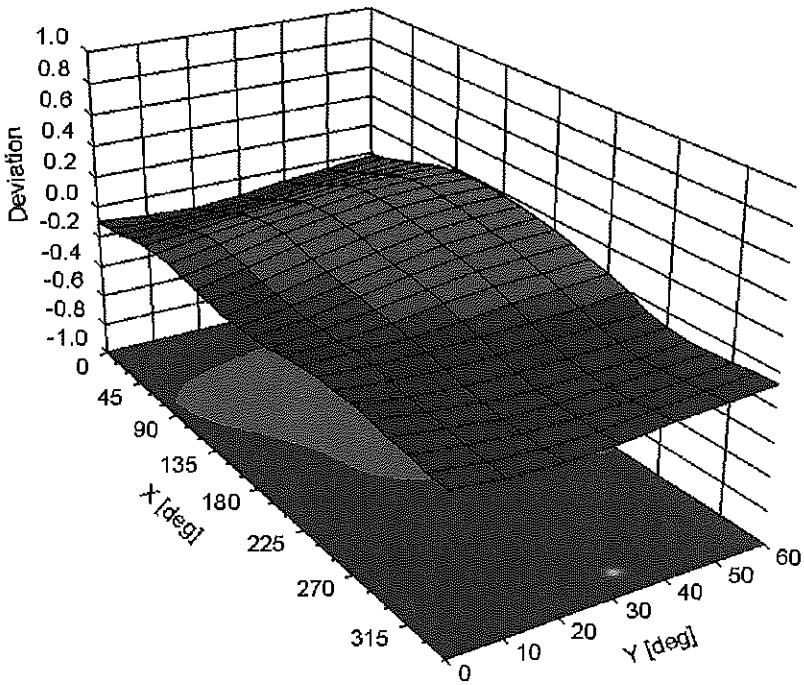


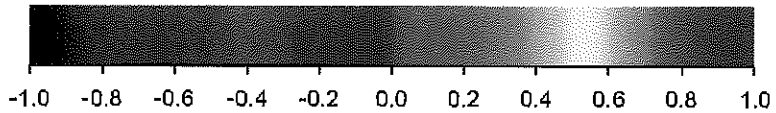
f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz





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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3131

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-37
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc[E] (k=2)
0	CW	X	0.00	0.00	1.00	0.00	190.2	± 3.5 %
		Y	0.00	0.00	1.00		209.7	
		Z	0.00	0.00	1.00		205.3	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	9.70	81.61	20.07	10.00	25.0	± 9.6 %
		Y	8.09	78.72	18.33		25.0	
		Z	8.65	79.46	19.49		25.0	
10011-CAB	UMTS-FDD (WCDMA)	X	1.28	71.48	17.61	0.00	150.0	± 9.6 %
		Y	0.99	67.09	14.81		150.0	
		Z	1.09	68.27	15.63		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.36	66.34	16.80	0.41	150.0	± 9.6 %
		Y	1.25	64.91	15.58		150.0	
		Z	1.31	65.37	15.94		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	5.18	67.46	17.61	1.46	150.0	± 9.6 %
		Y	5.07	67.19	17.35		150.0	
		Z	5.19	67.29	17.43		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	21.37	96.39	26.81	9.39	50.0	± 9.6 %
		Y	30.58	101.71	27.75		50.0	
		Z	14.87	89.78	24.86		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	19.13	94.38	26.23	9.57	50.0	± 9.6 %
		Y	25.16	98.44	26.84		50.0	
		Z	14.01	88.61	24.51		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	119.54	31.26	6.56	60.0	± 9.6 %
		Y	100.00	117.35	29.89		60.0	
		Z	47.84	108.37	28.65		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	22.23	110.40	41.95	12.57	50.0	± 9.6 %
		Y	17.21	103.09	38.95		50.0	
		Z	18.59	103.51	39.13		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	21.90	105.65	36.48	9.56	60.0	± 9.6 %
		Y	19.07	102.43	35.12		60.0	
		Z	18.57	100.40	34.43		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	118.49	29.81	4.80	80.0	± 9.6 %
		Y	100.00	115.80	28.25		80.0	
		Z	100.00	118.07	29.75		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	118.84	29.12	3.55	100.0	± 9.6 %
		Y	100.00	115.34	27.23		100.0	
		Z	100.00	117.81	28.76		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	15.03	97.24	32.55	7.80	80.0	± 9.6 %
		Y	12.91	93.88	31.10		80.0	
		Z	13.55	93.79	31.06		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	118.09	29.97	5.30	70.0	± 9.6 %
		Y	100.00	115.53	28.47		70.0	
		Z	100.00	117.95	30.06		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	120.93	28.41	1.88	100.0	± 9.6 %
		Y	100.00	113.98	25.09		100.0	
		Z	100.00	118.18	27.28		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	127.01	29.78	1.17	100.0	± 9.6 %
		Y	100.00	114.85	24.36		100.0	
		Z	100.00	121.16	27.38		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	20.78	99.53	27.79	5.30	70.0	± 9.6 %
		Y	19.34	97.65	26.66		70.0	
		Z	13.81	92.04	25.45		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	12.96	96.00	25.24	1.88	100.0	± 9.6 %
		Y	7.44	86.66	21.59		100.0	
		Z	6.91	85.91	21.97		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	7.00	88.70	22.77	1.17	100.0	± 9.6 %
		Y	3.95	79.50	18.86		100.0	
		Z	4.17	80.37	19.79		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	25.54	103.17	28.91	5.30	70.0	± 9.6 %
		Y	24.56	101.70	27.91		70.0	
		Z	15.79	94.44	26.27		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	12.38	95.34	25.01	1.88	100.0	± 9.6 %
		Y	7.01	85.86	21.29		100.0	
		Z	6.72	85.54	21.81		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	7.40	89.83	23.23	1.17	100.0	± 9.6 %
		Y	4.11	80.29	19.23		100.0	
		Z	4.31	81.10	20.14		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	2.72	77.70	18.83	0.00	150.0	± 9.6 %
		Y	1.75	71.04	15.31		150.0	
		Z	1.99	72.39	16.50		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	59.15	110.49	29.04	7.78	50.0	± 9.6 %
		Y	84.85	113.90	29.06		50.0	
		Z	23.75	96.54	25.38		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	120.72	0.22	0.00	150.0	± 9.6 %
		Y	0.02	127.01	0.12		150.0	
		Z	0.00	108.37	4.86		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	11.59	83.57	24.35	13.80	25.0	± 9.6 %
		Y	12.79	85.72	24.55		25.0	
		Z	10.49	80.96	23.58		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	13.73	88.07	24.55	10.79	40.0	± 9.6 %
		Y	15.47	90.03	24.62		40.0	
		Z	11.69	84.69	23.55		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	13.55	88.32	25.13	9.03	50.0	± 9.6 %
		Y	13.84	88.70	24.80		50.0	
		Z	11.76	85.13	24.06		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	11.01	91.12	29.68	6.55	100.0	± 9.6 %
		Y	9.50	88.00	28.27		100.0	
		Z	10.33	88.76	28.55		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.58	69.01	18.07	0.61	110.0	± 9.6 %
		Y	1.42	67.12	16.66		110.0	
		Z	1.51	67.68	17.04		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	132.95	34.51	1.30	110.0	± 9.6 %
		Y	100.00	128.66	32.37		110.0	
		Z	100.00	129.71	33.09		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	20.38	108.34	30.72	2.04	110.0	± 9.6 %
		Y	11.19	97.44	27.03		110.0	
		Z	10.04	95.03	26.45		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.90	67.22	16.91	0.49	100.0	± 9.6 %
		Y	4.79	66.93	16.63		100.0	
		Z	4.90	67.02	16.70		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.94	67.39	17.05	0.72	100.0	± 9.6 %
		Y	4.83	67.10	16.77		100.0	
		Z	4.94	67.19	16.85		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.27	67.72	17.31	0.86	100.0	± 9.6 %
		Y	5.15	67.43	17.04		100.0	
		Z	5.29	67.55	17.13		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	5.18	67.78	17.49	1.21	100.0	± 9.6 %
		Y	5.06	67.46	17.21		100.0	
		Z	5.20	67.61	17.30		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	5.24	67.92	17.73	1.46	100.0	± 9.6 %
		Y	5.12	67.60	17.44		100.0	
		Z	5.26	67.76	17.55		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.56	68.08	18.18	2.04	100.0	± 9.6 %
		Y	5.44	67.80	17.91		100.0	
		Z	5.59	67.93	18.02		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.71	68.47	18.57	2.55	100.0	± 9.6 %
		Y	5.57	68.12	18.27		100.0	
		Z	5.76	68.36	18.42		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.79	68.41	18.75	2.67	100.0	± 9.6 %
		Y	5.65	68.09	18.46		100.0	
		Z	5.83	68.29	18.60		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.33	67.71	18.01	1.99	100.0	± 9.6 %
		Y	5.22	67.44	17.74		100.0	
		Z	5.35	67.56	17.84		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.41	68.32	18.35	2.30	100.0	± 9.6 %
		Y	5.28	67.99	18.07		100.0	
		Z	5.43	68.17	18.17		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.55	68.71	18.79	2.83	100.0	± 9.6 %
		Y	5.42	68.35	18.49		100.0	
		Z	5.59	68.57	18.62		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.60	68.80	19.06	3.30	100.0	± 9.6 %
		Y	5.46	68.43	18.75		100.0	
		Z	5.64	68.69	18.91		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.77	69.35	19.60	3.82	90.0	± 9.6 %
		Y	5.61	68.90	19.23		90.0	
		Z	5.83	69.29	19.46		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.79	69.16	19.72	4.15	90.0	± 9.6 %
		Y	5.63	68.72	19.36		90.0	
		Z	5.84	69.09	19.58		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.83	69.26	19.83	4.30	90.0	± 9.6 %
		Y	5.67	68.81	19.47		90.0	
		Z	5.89	69.20	19.69		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	1.20	71.01	15.79	0.00	150.0	± 9.6 %
		Y	0.81	65.47	12.21		150.0	
		Z	0.96	67.03	13.66		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	2.34	64.70	9.44	4.77	80.0	± 9.6 %
		Y	1.96	63.12	8.15		80.0	
		Z	2.41	64.66	9.57		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	119.63	31.33	6.56	60.0	± 9.6 %
		Y	100.00	117.44	29.96		60.0	
		Z	46.14	107.88	28.56		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.98	69.13	16.74	0.00	150.0	± 9.6 %
		Y	1.78	67.31	15.40		150.0	
		Z	1.85	67.66	15.78		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.94	69.14	16.74	0.00	150.0	± 9.6 %
		Y	1.74	67.26	15.37		150.0	
		Z	1.81	67.64	15.76		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	21.76	105.45	36.41	9.56	60.0	± 9.6 %
		Y	19.00	102.30	35.08		60.0	
		Z	18.47	100.23	34.37		60.0	
10100-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.49	72.16	17.57	0.00	150.0	± 9.6 %
		Y	3.13	70.27	16.47		150.0	
		Z	3.30	70.93	16.79		150.0	
10101-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.43	68.49	16.49	0.00	150.0	± 9.6 %
		Y	3.26	67.60	15.84		150.0	
		Z	3.37	67.97	16.05		150.0	
10102-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.52	68.35	16.53	0.00	150.0	± 9.6 %
		Y	3.36	67.55	15.94		150.0	
		Z	3.47	67.86	16.12		150.0	
10103-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	8.96	78.81	21.55	3.98	65.0	± 9.6 %
		Y	8.50	78.18	21.18		65.0	
		Z	8.56	77.50	20.90		65.0	
10104-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.82	77.41	21.87	3.98	65.0	± 9.6 %
		Y	8.44	76.84	21.50		65.0	
		Z	8.69	76.68	21.44		65.0	
10105-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	7.81	74.99	21.11	3.98	65.0	± 9.6 %
		Y	7.78	75.24	21.10		65.0	
		Z	7.67	74.19	20.64		65.0	
10108-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	3.07	71.34	17.42	0.00	150.0	± 9.6 %
		Y	2.75	69.52	16.31		150.0	
		Z	2.92	70.12	16.62		150.0	
10109-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.10	68.36	16.46	0.00	150.0	± 9.6 %
		Y	2.92	67.40	15.75		150.0	
		Z	3.04	67.74	15.98		150.0	
10110-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.52	70.52	17.19	0.00	150.0	± 9.6 %
		Y	2.24	68.59	15.93		150.0	
		Z	2.39	69.17	16.31		150.0	
10111-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.81	69.10	16.82	0.00	150.0	± 9.6 %
		Y	2.62	68.01	15.98		150.0	
		Z	2.73	68.19	16.21		150.0	

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.21	68.23	16.45	0.00	150.0	± 9.6 %
		Y	3.04	67.37	15.80		150.0	
		Z	3.16	67.65	16.00		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.96	69.10	16.88	0.00	150.0	± 9.6 %
		Y	2.77	68.13	16.12		150.0	
		Z	2.88	68.24	16.31		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.24	67.53	16.64	0.00	150.0	± 9.6 %
		Y	5.16	67.27	16.41		150.0	
		Z	5.23	67.33	16.43		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.61	67.85	16.80	0.00	150.0	± 9.6 %
		Y	5.52	67.61	16.59		150.0	
		Z	5.60	67.65	16.60		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.38	67.81	16.71	0.00	150.0	± 9.6 %
		Y	5.28	67.54	16.47		150.0	
		Z	5.36	67.60	16.49		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.25	67.54	16.67	0.00	150.0	± 9.6 %
		Y	5.15	67.21	16.40		150.0	
		Z	5.24	67.36	16.47		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.69	68.04	16.91	0.00	150.0	± 9.6 %
		Y	5.61	67.82	16.70		150.0	
		Z	5.67	67.78	16.67		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.35	67.76	16.70	0.00	150.0	± 9.6 %
		Y	5.26	67.48	16.45		150.0	
		Z	5.33	67.55	16.48		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.57	68.35	16.45	0.00	150.0	± 9.6 %
		Y	3.41	67.55	15.86		150.0	
		Z	3.52	67.87	16.05		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.69	68.36	16.57	0.00	150.0	± 9.6 %
		Y	3.53	67.63	16.03		150.0	
		Z	3.64	67.90	16.19		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.31	70.70	17.09	0.00	150.0	± 9.6 %
		Y	2.01	68.47	15.61		150.0	
		Z	2.16	69.06	16.10		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.72	70.07	16.82	0.00	150.0	± 9.6 %
		Y	2.47	68.60	15.71		150.0	
		Z	2.60	68.79	16.08		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.51	67.97	15.36	0.00	150.0	± 9.6 %
		Y	2.28	66.59	14.25		150.0	
		Z	2.44	67.05	14.81		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.68	69.24	14.82	0.00	150.0	± 9.6 %
		Y	1.28	65.49	12.22		150.0	
		Z	1.52	67.19	13.80		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	3.59	74.27	16.49	0.00	150.0	± 9.6 %
		Y	2.48	69.03	13.53		150.0	
		Z	3.48	73.38	16.27		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	4.81	78.43	18.29	0.00	150.0	± 9.6 %
		Y	3.06	71.86	14.93		150.0	
		Z	4.39	76.74	17.80		150.0	

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.11	68.42	16.50	0.00	150.0	± 9.6 %
		Y	2.93	67.46	15.79		150.0	
		Z	3.05	67.79	16.02		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.22	68.28	16.49	0.00	150.0	± 9.6 %
		Y	3.05	67.42	15.84		150.0	
		Z	3.17	67.70	16.04		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.55	81.17	22.58	3.98	65.0	± 9.6 %
		Y	9.21	80.82	22.29		65.0	
		Z	9.01	79.54	21.81		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	8.49	77.73	21.79	3.98	65.0	± 9.6 %
		Y	8.06	77.04	21.32		65.0	
		Z	8.33	76.87	21.33		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	8.83	78.38	22.38	3.98	65.0	± 9.6 %
		Y	8.47	77.90	22.02		65.0	
		Z	8.65	77.49	21.91		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.59	70.99	17.47	0.00	150.0	± 9.6 %
		Y	2.29	69.02	16.20		150.0	
		Z	2.45	69.60	16.57		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.81	69.11	16.83	0.00	150.0	± 9.6 %
		Y	2.62	68.02	15.99		150.0	
		Z	2.73	68.19	16.22		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.20	71.20	17.17	0.00	150.0	± 9.6 %
		Y	1.86	68.56	15.44		150.0	
		Z	2.03	69.28	16.06		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.39	68.89	15.65	0.00	150.0	± 9.6 %
		Y	2.11	67.10	14.29		150.0	
		Z	2.28	67.64	14.94		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.96	69.15	16.92	0.00	150.0	± 9.6 %
		Y	2.78	68.19	16.16		150.0	
		Z	2.88	68.29	16.35		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.51	69.32	15.92	0.00	150.0	± 9.6 %
		Y	2.22	67.54	14.58		150.0	
		Z	2.39	68.04	15.21		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.99	69.94	17.05	0.00	150.0	± 9.6 %
		Y	2.77	68.65	16.16		150.0	
		Z	2.88	68.94	16.37		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.11	68.19	16.45	0.00	150.0	± 9.6 %
		Y	2.95	67.33	15.77		150.0	
		Z	3.06	67.58	15.98		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.22	68.24	16.50	0.00	150.0	± 9.6 %
		Y	3.05	67.44	15.87		150.0	
		Z	3.16	67.62	16.05		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.96	70.82	19.89	3.01	150.0	± 9.6 %
		Y	3.78	70.13	19.34		150.0	
		Z	4.03	70.67	19.70		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.11	74.26	20.56	3.01	150.0	± 9.6 %
		Y	4.79	73.27	19.88		150.0	
		Z	5.26	74.15	20.39		150.0	

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.60	76.23	21.70	3.01	150.0	± 9.6 %
		Y	5.31	75.53	21.18		150.0	
		Z	5.73	76.01	21.47		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.58	72.12	20.50	3.01	150.0	± 9.6 %
		Y	3.30	70.64	19.56		150.0	
		Z	3.78	72.59	20.51		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	5.42	79.38	23.12	3.01	150.0	± 9.6 %
		Y	4.85	77.44	22.11		150.0	
		Z	5.84	79.95	23.10		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	4.40	74.87	20.38	3.01	150.0	± 9.6 %
		Y	3.89	72.72	19.17		150.0	
		Z	4.70	75.31	20.35		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	34.94	113.16	34.77	6.02	65.0	± 9.6 %
		Y	22.71	105.08	32.22		65.0	
		Z	26.85	106.59	32.64		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	37.64	109.23	31.90	6.02	65.0	± 9.6 %
		Y	35.13	108.10	31.31		65.0	
		Z	28.94	103.32	30.05		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	28.41	102.80	29.56	6.02	65.0	± 9.6 %
		Y	26.93	102.01	29.05		65.0	
		Z	22.73	97.84	27.96		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.53	71.78	20.25	3.01	150.0	± 9.6 %
		Y	3.25	70.28	19.30		150.0	
		Z	3.72	72.23	20.26		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	5.43	79.41	23.13	3.01	150.0	± 9.6 %
		Y	4.86	77.46	22.12		150.0	
		Z	5.85	79.97	23.11		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.57	71.95	20.35	3.01	150.0	± 9.6 %
		Y	3.28	70.45	19.40		150.0	
		Z	3.76	72.40	20.36		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	5.35	79.11	22.99	3.01	150.0	± 9.6 %
		Y	4.79	77.17	21.97		150.0	
		Z	5.76	79.65	22.96		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.87	77.00	21.61	3.01	150.0	± 9.6 %
		Y	4.32	74.89	20.48		150.0	
		Z	5.21	77.44	21.57		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	4.38	74.78	20.32	3.01	150.0	± 9.6 %
		Y	3.87	72.63	19.11		150.0	
		Z	4.68	75.20	20.29		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.56	71.93	20.34	3.01	150.0	± 9.6 %
		Y	3.28	70.44	19.39		150.0	
		Z	3.75	72.39	20.35		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	5.34	79.09	22.98	3.01	150.0	± 9.6 %
		Y	4.78	77.14	21.96		150.0	
		Z	5.75	79.62	22.95		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	4.37	74.75	20.31	3.01	150.0	± 9.6 %
		Y	3.86	72.60	19.10		150.0	
		Z	4.67	75.17	20.28		150.0	

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.57	71.98	20.36	3.01	150.0	± 9.6 %
		Y	3.29	70.48	19.42		150.0	
		Z	3.76	72.43	20.37		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	5.37	79.16	23.01	3.01	150.0	± 9.6 %
		Y	4.81	77.22	22.00		150.0	
		Z	5.78	79.70	22.98		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	4.40	74.83	20.35	3.01	150.0	± 9.6 %
		Y	3.88	72.68	19.14		150.0	
		Z	4.70	75.25	20.31		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.58	72.02	20.42	3.01	150.0	± 9.6 %
		Y	3.30	70.53	19.48		150.0	
		Z	3.77	72.48	20.43		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	5.57	79.92	23.41	3.01	150.0	± 9.6 %
		Y	5.00	78.02	22.42		150.0	
		Z	6.00	80.49	23.39		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.51	75.31	20.63	3.01	150.0	± 9.6 %
		Y	3.98	73.16	19.43		150.0	
		Z	4.82	75.75	20.60		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.67	66.97	16.43	0.00	150.0	± 9.6 %
		Y	4.56	66.66	16.13		150.0	
		Z	4.66	66.74	16.22		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.86	67.33	16.54	0.00	150.0	± 9.6 %
		Y	4.75	67.00	16.25		150.0	
		Z	4.86	67.11	16.33		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.90	67.34	16.55	0.00	150.0	± 9.6 %
		Y	4.79	67.02	16.26		150.0	
		Z	4.90	67.12	16.33		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.68	67.07	16.46	0.00	150.0	± 9.6 %
		Y	4.57	66.74	16.16		150.0	
		Z	4.68	66.84	16.25		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.88	67.35	16.56	0.00	150.0	± 9.6 %
		Y	4.76	67.02	16.26		150.0	
		Z	4.87	67.14	16.34		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.91	67.36	16.56	0.00	150.0	± 9.6 %
		Y	4.79	67.04	16.28		150.0	
		Z	4.90	67.14	16.35		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.63	67.08	16.43	0.00	150.0	± 9.6 %
		Y	4.52	66.75	16.12		150.0	
		Z	4.63	66.86	16.22		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.88	67.34	16.55	0.00	150.0	± 9.6 %
		Y	4.76	67.01	16.26		150.0	
		Z	4.87	67.13	16.34		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.91	67.29	16.55	0.00	150.0	± 9.6 %
		Y	4.80	66.97	16.26		150.0	
		Z	4.91	67.07	16.34		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.23	67.56	16.67	0.00	150.0	± 9.6 %
		Y	5.12	67.23	16.39		150.0	
		Z	5.22	67.38	16.47		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.59	67.88	16.85	0.00	150.0	± 9.6 %
		Y	5.45	67.47	16.54		150.0	
		Z	5.60	67.75	16.68		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.27	67.65	16.64	0.00	150.0	± 9.6 %
		Y	5.17	67.32	16.36		150.0	
		Z	5.27	67.48	16.44		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.95	66.74	15.92	0.00	150.0	± 9.6 %
		Y	2.82	66.08	15.31		150.0	
		Z	2.92	66.24	15.55		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	39.92	110.44	32.32	6.02	65.0	± 9.6 %
		Y	37.98	109.65	31.83		65.0	
		Z	30.32	104.28	30.40		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	30.54	104.19	30.05	6.02	65.0	± 9.6 %
		Y	29.85	103.92	29.69		65.0	
		Z	24.24	99.06	28.40		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	40.97	116.76	35.87	6.02	65.0	± 9.6 %
		Y	33.05	112.71	34.49		65.0	
		Z	30.60	109.58	33.61		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	37.64	109.22	31.90	6.02	65.0	± 9.6 %
		Y	35.21	108.13	31.33		65.0	
		Z	28.96	103.32	30.05		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	29.14	103.27	29.72	6.02	65.0	± 9.6 %
		Y	28.04	102.73	29.28		65.0	
		Z	23.34	98.31	28.11		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	38.69	115.50	35.45	6.02	65.0	± 9.6 %
		Y	30.84	111.23	34.00		65.0	
		Z	29.25	108.59	33.26		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	37.64	109.22	31.91	6.02	65.0	± 9.6 %
		Y	35.20	108.13	31.32		65.0	
		Z	28.95	103.32	30.05		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	29.17	103.30	29.73	6.02	65.0	± 9.6 %
		Y	28.04	102.74	29.28		65.0	
		Z	23.35	98.33	28.12		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	36.40	114.09	34.96	6.02	65.0	± 9.6 %
		Y	28.84	109.71	33.46		65.0	
		Z	27.86	107.46	32.84		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	37.79	109.31	31.93	6.02	65.0	± 9.6 %
		Y	35.33	108.21	31.35		65.0	
		Z	29.02	103.38	30.07		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	29.44	103.44	29.76	6.02	65.0	± 9.6 %
		Y	28.30	102.88	29.31		65.0	
		Z	23.52	98.44	28.15		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	39.17	115.77	35.53	6.02	65.0	± 9.6 %
		Y	31.13	111.44	34.06		65.0	
		Z	29.52	108.79	33.31		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	37.67	109.25	31.91	6.02	65.0	± 9.6 %
		Y	35.21	108.15	31.33		65.0	
		Z	28.96	103.33	30.06		65.0	

10239-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	29.19	103.33	29.73	6.02	65.0	± 9.6 %
		Y	28.04	102.76	29.28		65.0	
		Z	23.36	98.35	28.12		65.0	
10240-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	39.02	115.70	35.51	6.02	65.0	± 9.6 %
		Y	31.02	111.38	34.04		65.0	
		Z	29.43	108.74	33.30		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	12.98	87.83	27.99	6.98	65.0	± 9.6 %
		Y	12.11	86.66	27.31		65.0	
		Z	12.95	87.02	27.60		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	11.85	85.78	27.12	6.98	65.0	± 9.6 %
		Y	11.82	86.11	27.03		65.0	
		Z	11.69	84.73	26.63		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	9.73	83.39	27.11	6.98	65.0	± 9.6 %
		Y	8.46	80.56	25.70		65.0	
		Z	9.65	82.46	26.63		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	9.87	81.23	21.47	3.98	65.0	± 9.6 %
		Y	9.25	80.21	20.66		65.0	
		Z	9.69	80.52	21.33		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	9.71	80.72	21.24	3.98	65.0	± 9.6 %
		Y	9.06	79.63	20.40		65.0	
		Z	9.59	80.11	21.14		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	10.11	84.44	22.62	3.98	65.0	± 9.6 %
		Y	9.22	82.93	21.64		65.0	
		Z	8.93	81.85	21.69		65.0	
10247-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	8.06	78.54	20.96	3.98	65.0	± 9.6 %
		Y	7.54	77.59	20.24		65.0	
		Z	7.77	77.42	20.53		65.0	
10248-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	8.03	78.04	20.76	3.98	65.0	± 9.6 %
		Y	7.49	77.03	20.00		65.0	
		Z	7.80	77.05	20.38		65.0	
10249-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	10.98	86.04	23.80	3.98	65.0	± 9.6 %
		Y	10.39	85.20	23.16		65.0	
		Z	9.61	83.12	22.69		65.0	
10250-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.85	80.19	22.80	3.98	65.0	± 9.6 %
		Y	8.49	79.74	22.41		65.0	
		Z	8.52	78.91	22.21		65.0	
10251-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	8.39	78.14	21.73	3.98	65.0	± 9.6 %
		Y	7.96	77.45	21.21		65.0	
		Z	8.18	77.14	21.25		65.0	
10252-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	10.49	84.62	23.91	3.98	65.0	± 9.6 %
		Y	10.11	84.24	23.55		65.0	
		Z	9.51	82.20	22.88		65.0	
10253-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	8.26	77.12	21.58	3.98	65.0	± 9.6 %
		Y	7.86	76.46	21.11		65.0	
		Z	8.13	76.32	21.16		65.0	
10254-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.62	77.80	22.14	3.98	65.0	± 9.6 %
		Y	8.26	77.29	21.75		65.0	
		Z	8.47	76.96	21.70		65.0	

10255-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	9.24	80.82	22.69	3.98	65.0	± 9.6 %
		Y	8.89	80.44	22.37		65.0	
		Z	8.76	79.27	21.94		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	8.83	79.06	19.89	3.98	65.0	± 9.6 %
		Y	7.90	77.28	18.69		65.0	
		Z	8.86	78.81	19.98		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	8.62	78.33	19.52	3.98	65.0	± 9.6 %
		Y	7.66	76.48	18.29		65.0	
		Z	8.72	78.23	19.68		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	8.73	81.62	21.03	3.98	65.0	± 9.6 %
		Y	7.58	79.33	19.66		65.0	
		Z	8.01	79.82	20.43		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	8.37	79.10	21.60	3.98	65.0	± 9.6 %
		Y	7.91	78.35	21.00		65.0	
		Z	8.06	77.92	21.11		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	8.37	78.81	21.51	3.98	65.0	± 9.6 %
		Y	7.91	78.05	20.90		65.0	
		Z	8.10	77.72	21.05		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	10.34	84.80	23.65	3.98	65.0	± 9.6 %
		Y	9.82	84.08	23.09		65.0	
		Z	9.28	82.27	22.63		65.0	
10262-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.84	80.16	22.77	3.98	65.0	± 9.6 %
		Y	8.48	79.69	22.38		65.0	
		Z	8.51	78.88	22.18		65.0	
10263-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	8.38	78.13	21.73	3.98	65.0	± 9.6 %
		Y	7.95	77.44	21.21		65.0	
		Z	8.17	77.14	21.26		65.0	
10264-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	10.42	84.49	23.84	3.98	65.0	± 9.6 %
		Y	10.03	84.06	23.46		65.0	
		Z	9.46	82.08	22.82		65.0	
10265-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	8.49	77.73	21.79	3.98	65.0	± 9.6 %
		Y	8.06	77.04	21.33		65.0	
		Z	8.33	76.88	21.33		65.0	
10266-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	8.83	78.38	22.38	3.98	65.0	± 9.6 %
		Y	8.47	77.89	22.02		65.0	
		Z	8.66	77.49	21.90		65.0	
10267-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	9.53	81.14	22.57	3.98	65.0	± 9.6 %
		Y	9.19	80.79	22.27		65.0	
		Z	8.99	79.51	21.80		65.0	
10268-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.88	77.07	21.86	3.98	65.0	± 9.6 %
		Y	8.53	76.57	21.52		65.0	
		Z	8.78	76.39	21.46		65.0	
10269-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	8.79	76.65	21.76	3.98	65.0	± 9.6 %
		Y	8.45	76.15	21.41		65.0	
		Z	8.71	76.02	21.39		65.0	
10270-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	8.94	78.31	21.61	3.98	65.0	± 9.6 %
		Y	8.64	77.99	21.35		65.0	
		Z	8.68	77.27	21.06		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.71	67.13	15.85	0.00	150.0	± 9.6 %
		Y	2.57	66.31	15.13		150.0	
		Z	2.64	66.45	15.37		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.85	70.30	16.99	0.00	150.0	± 9.6 %
		Y	1.58	67.65	15.24		150.0	
		Z	1.69	68.38	15.77		150.0	
10277-CAA	PHS (QPSK)	X	5.94	70.38	14.66	9.03	50.0	± 9.6 %
		Y	5.17	68.50	13.15		50.0	
		Z	6.22	70.77	15.16		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	9.51	80.33	21.13	9.03	50.0	± 9.6 %
		Y	8.70	78.78	19.94		50.0	
		Z	9.27	79.51	21.02		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	9.68	80.54	21.22	9.03	50.0	± 9.6 %
		Y	8.84	78.95	20.02		50.0	
		Z	9.44	79.73	21.11		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	2.06	73.44	16.85	0.00	150.0	± 9.6 %
		Y	1.43	68.22	13.77		150.0	
		Z	1.66	69.67	15.05		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	1.16	70.60	15.59	0.00	150.0	± 9.6 %
		Y	0.80	65.26	12.08		150.0	
		Z	0.93	66.77	13.52		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	1.81	78.25	19.24	0.00	150.0	± 9.6 %
		Y	0.97	68.79	14.20		150.0	
		Z	1.15	70.64	15.76		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	3.34	88.05	23.27	0.00	150.0	± 9.6 %
		Y	1.42	74.19	17.06		150.0	
		Z	1.58	75.44	18.29		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	11.20	84.73	24.67	9.03	50.0	± 9.6 %
		Y	11.16	84.72	24.22		50.0	
		Z	10.30	82.53	23.89		50.0	
10297-AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	3.08	71.44	17.49	0.00	150.0	± 9.6 %
		Y	2.76	69.62	16.37		150.0	
		Z	2.93	70.21	16.68		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	2.00	70.97	16.35	0.00	150.0	± 9.6 %
		Y	1.59	67.59	14.12		150.0	
		Z	1.80	68.71	15.16		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	4.04	75.60	17.83	0.00	150.0	± 9.6 %
		Y	3.13	71.73	15.61		150.0	
		Z	3.87	74.41	17.40		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.81	69.39	14.43	0.00	150.0	± 9.6 %
		Y	2.30	66.70	12.58		150.0	
		Z	2.87	69.17	14.42		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	5.89	68.81	19.16	4.17	80.0	± 9.6 %
		Y	5.66	68.36	18.79		80.0	
		Z	5.92	68.57	18.96		80.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	6.47	69.89	20.19	4.96	80.0	± 9.6 %
		Y	6.05	68.47	19.23		80.0	
		Z	6.55	69.84	20.10		80.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	6.36	70.13	20.33	4.96	80.0	± 9.6 %
		Y	5.89	68.50	19.26		80.0	
		Z	6.45	70.13	20.27		80.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.92	69.16	19.37	4.17	80.0	± 9.6 %
		Y	5.54	67.83	18.47		80.0	
		Z	5.99	69.06	19.25		80.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	8.54	79.67	25.07	6.02	50.0	± 9.6 %
		Y	8.44	80.60	25.43		50.0	
		Z	8.86	79.98	25.15		50.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	7.15	74.17	22.93	6.02	50.0	± 9.6 %
		Y	6.22	70.94	21.02		50.0	
		Z	7.34	74.36	22.97		50.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	7.37	75.21	23.20	6.02	50.0	± 9.6 %
		Y	7.05	75.26	23.20		50.0	
		Z	7.59	75.43	23.23		50.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	7.50	75.84	23.49	6.02	50.0	± 9.6 %
		Y	7.19	75.98	23.54		50.0	
		Z	7.73	76.05	23.51		50.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	7.30	74.58	23.14	6.02	50.0	± 9.6 %
		Y	6.32	71.25	21.19		50.0	
		Z	7.50	74.75	23.17		50.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	7.21	74.54	23.00	6.02	50.0	± 9.6 %
		Y	6.23	71.15	21.02		50.0	
		Z	7.41	74.72	23.02		50.0	
10311-AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.45	70.59	17.05	0.00	150.0	± 9.6 %
		Y	3.11	68.90	16.04		150.0	
		Z	3.28	69.48	16.32		150.0	
10313-AAA	iDEN 1:3	X	8.25	79.81	19.40	6.99	70.0	± 9.6 %
		Y	7.09	77.52	18.13		70.0	
		Z	7.19	77.26	18.43		70.0	
10314-AAA	iDEN 1:6	X	10.47	85.49	23.78	10.00	30.0	± 9.6 %
		Y	9.83	84.58	23.09		30.0	
		Z	8.47	81.15	22.18		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.20	65.79	16.55	0.17	150.0	± 9.6 %
		Y	1.11	64.35	15.27		150.0	
		Z	1.16	64.78	15.62		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.78	67.18	16.65	0.17	150.0	± 9.6 %
		Y	4.67	66.86	16.35		150.0	
		Z	4.77	66.96	16.43		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.78	67.18	16.65	0.17	150.0	± 9.6 %
		Y	4.67	66.86	16.35		150.0	
		Z	4.77	66.96	16.43		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.87	67.42	16.55	0.00	150.0	± 9.6 %
		Y	4.75	67.07	16.25		150.0	
		Z	4.87	67.19	16.33		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.51	67.49	16.64	0.00	150.0	± 9.6 %
		Y	5.43	67.26	16.42		150.0	
		Z	5.49	67.26	16.42		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.81	67.96	16.71	0.00	150.0	± 9.6 %
		Y	5.70	67.66	16.46		150.0	
		Z	5.79	67.80	16.52		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	2.06	73.44	16.85	0.00	115.0	± 9.6 %
		Y	1.43	68.22	13.77		115.0	
		Z	1.66	69.67	15.05		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	2.06	73.44	16.85	0.00	115.0	± 9.6 %
		Y	1.43	68.22	13.77		115.0	
		Z	1.66	69.67	15.05		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	125.25	32.47	0.00	100.0	± 9.6 %
		Y	92.30	121.40	30.74		100.0	
		Z	100.00	123.39	31.76		100.0	
10410-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	121.01	31.06	3.23	80.0	± 9.6 %
		Y	100.00	119.50	30.06		80.0	
		Z	100.00	119.85	30.68		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.04	64.03	15.57	0.00	150.0	± 9.6 %
		Y	0.96	62.80	14.36		150.0	
		Z	1.00	63.15	14.69		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.67	67.01	16.48	0.00	150.0	± 9.6 %
		Y	4.57	66.70	16.19		150.0	
		Z	4.66	66.77	16.26		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.67	67.01	16.48	0.00	150.0	± 9.6 %
		Y	4.57	66.70	16.19		150.0	
		Z	4.66	66.77	16.26		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.66	67.15	16.49	0.00	150.0	± 9.6 %
		Y	4.55	66.84	16.19		150.0	
		Z	4.64	66.90	16.25		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.68	67.11	16.49	0.00	150.0	± 9.6 %
		Y	4.58	66.79	16.20		150.0	
		Z	4.67	66.87	16.27		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.81	67.11	16.50	0.00	150.0	± 9.6 %
		Y	4.70	66.81	16.22		150.0	
		Z	4.80	66.88	16.29		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	5.00	67.48	16.64	0.00	150.0	± 9.6 %
		Y	4.88	67.16	16.35		150.0	
		Z	5.01	67.27	16.43		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.92	67.43	16.61	0.00	150.0	± 9.6 %
		Y	4.80	67.10	16.32		150.0	
		Z	4.91	67.20	16.39		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.49	67.74	16.75	0.00	150.0	± 9.6 %
		Y	5.41	67.50	16.53		150.0	
		Z	5.48	67.54	16.55		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.51	67.77	16.76	0.00	150.0	± 9.6 %
		Y	5.41	67.51	16.53		150.0	
		Z	5.50	67.58	16.57		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.52	67.76	16.75	0.00	150.0	± 9.6 %
		Y	5.42	67.48	16.51		150.0	
		Z	5.52	67.60	16.57		150.0	
10430-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.36	70.60	18.31	0.00	150.0	± 9.6 %
		Y	4.25	70.46	18.04		150.0	
		Z	4.30	69.92	17.90		150.0	
10431-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.41	67.63	16.57	0.00	150.0	± 9.6 %
		Y	4.27	67.23	16.20		150.0	
		Z	4.40	67.32	16.32		150.0	
10432-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.69	67.49	16.59	0.00	150.0	± 9.6 %
		Y	4.57	67.13	16.26		150.0	
		Z	4.69	67.23	16.36		150.0	
10433-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.93	67.47	16.63	0.00	150.0	± 9.6 %
		Y	4.81	67.14	16.34		150.0	
		Z	4.93	67.25	16.42		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.46	71.39	18.32	0.00	150.0	± 9.6 %
		Y	4.33	71.22	18.00		150.0	
		Z	4.37	70.56	17.87		150.0	
10435-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.84	30.99	3.23	80.0	± 9.6 %
		Y	100.00	119.33	29.98		80.0	
		Z	100.00	119.70	30.61		80.0	
10447-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.73	67.79	16.13	0.00	150.0	± 9.6 %
		Y	3.56	67.19	15.56		150.0	
		Z	3.71	67.33	15.83		150.0	
10448-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.23	67.40	16.43	0.00	150.0	± 9.6 %
		Y	4.10	67.00	16.05		150.0	
		Z	4.22	67.08	16.17		150.0	
10449-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.48	67.31	16.49	0.00	150.0	± 9.6 %
		Y	4.36	66.95	16.15		150.0	
		Z	4.47	67.05	16.25		150.0	
10450-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.66	67.23	16.49	0.00	150.0	± 9.6 %
		Y	4.55	66.88	16.18		150.0	
		Z	4.65	66.99	16.27		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.67	68.12	15.89	0.00	150.0	± 9.6 %
		Y	3.46	67.39	15.22		150.0	
		Z	3.64	67.60	15.59		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.35	68.33	16.90	0.00	150.0	± 9.6 %
		Y	6.27	68.07	16.69		150.0	
		Z	6.34	68.18	16.74		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.86	65.63	16.22	0.00	150.0	± 9.6 %
		Y	3.78	65.32	15.90		150.0	
		Z	3.84	65.41	15.99		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	4.07	70.58	17.80	0.00	150.0	± 9.6 %
		Y	3.95	70.36	17.39		150.0	
		Z	3.97	69.62	17.31		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	5.15	67.87	18.11	0.00	150.0	± 9.6 %
		Y	5.07	67.97	18.01		150.0	
		Z	5.11	67.33	17.80		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	1.14	73.10	18.91	0.00	150.0	± 9.6 %
		Y	0.84	67.69	15.51		150.0	
		Z	0.93	68.92	16.40		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	124.42	32.70	3.29	80.0	± 9.6 %
		Y	100.00	122.81	31.66		80.0	
		Z	100.00	122.33	31.90		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.52	26.05	3.23	80.0	± 9.6 %
		Y	100.00	107.73	24.50		80.0	
		Z	100.00	109.56	25.78		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.72	24.70	3.23	80.0	± 9.6 %
		Y	16.53	86.46	18.64		80.0	
		Z	57.16	100.91	23.16		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.66	31.73	3.23	80.0	± 9.6 %
		Y	100.00	120.75	30.55		80.0	
		Z	100.00	120.64	30.98		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.07	25.82	3.23	80.0	± 9.6 %
		Y	63.13	102.33	23.15		80.0	
		Z	100.00	109.15	25.57		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.29	24.49	3.23	80.0	± 9.6 %
		Y	9.87	80.97	16.99		80.0	
		Z	32.16	94.29	21.45		80.0	
10467-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.86	31.82	3.23	80.0	± 9.6 %
		Y	100.00	120.96	30.65		80.0	
		Z	100.00	120.82	31.06		80.0	
10468-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.21	25.89	3.23	80.0	± 9.6 %
		Y	85.23	105.68	23.94		80.0	
		Z	100.00	109.27	25.63		80.0	
10469-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.30	24.49	3.23	80.0	± 9.6 %
		Y	10.04	81.16	17.05		80.0	
		Z	33.09	94.61	21.52		80.0	
10470-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.89	31.83	3.23	80.0	± 9.6 %
		Y	100.00	120.98	30.65		80.0	
		Z	100.00	120.85	31.06		80.0	
10471-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.17	25.86	3.23	80.0	± 9.6 %
		Y	84.36	105.52	23.89		80.0	
		Z	100.00	109.23	25.61		80.0	
10472-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.26	24.47	3.23	80.0	± 9.6 %
		Y	9.96	81.06	17.00		80.0	
		Z	33.22	94.62	21.52		80.0	
10473-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.86	31.82	3.23	80.0	± 9.6 %
		Y	100.00	120.95	30.64		80.0	
		Z	100.00	120.82	31.05		80.0	
10474-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.18	25.87	3.23	80.0	± 9.6 %
		Y	82.22	105.25	23.83		80.0	
		Z	100.00	109.24	25.61		80.0	
10475-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.27	24.47	3.23	80.0	± 9.6 %
		Y	9.84	80.95	16.97		80.0	
		Z	32.70	94.46	21.48		80.0	

10477-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.03	25.79	3.23	80.0	± 9.6 %
		Y	66.19	102.79	23.23		80.0	
		Z	100.00	109.11	25.54		80.0	
10478-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.22	24.45	3.23	80.0	± 9.6 %
		Y	9.68	80.75	16.90		80.0	
		Z	32.14	94.24	21.41		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	19.06	98.69	27.56	3.23	80.0	± 9.6 %
		Y	17.48	96.78	26.48		80.0	
		Z	12.38	91.03	25.23		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	19.47	93.39	24.37	3.23	80.0	± 9.6 %
		Y	16.19	90.11	22.82		80.0	
		Z	13.49	87.60	22.69		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	16.31	90.04	23.04	3.23	80.0	± 9.6 %
		Y	12.85	86.16	21.27		80.0	
		Z	11.99	85.24	21.64		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.88	83.55	21.62	2.23	80.0	± 9.6 %
		Y	5.63	78.46	19.33		80.0	
		Z	5.79	78.37	19.74		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	10.35	84.31	21.72	2.23	80.0	± 9.6 %
		Y	8.62	81.30	20.16		80.0	
		Z	8.63	81.26	20.79		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	9.40	82.69	21.19	2.23	80.0	± 9.6 %
		Y	7.82	79.73	19.63		80.0	
		Z	8.11	80.14	20.41		80.0	
10485-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.65	83.49	22.32	2.23	80.0	± 9.6 %
		Y	5.92	79.52	20.52		80.0	
		Z	6.00	78.96	20.56		80.0	
10486-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.45	75.29	19.04	2.23	80.0	± 9.6 %
		Y	4.69	73.13	17.78		80.0	
		Z	4.90	73.13	18.12		80.0	
10487-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.34	74.66	18.79	2.23	80.0	± 9.6 %
		Y	4.63	72.60	17.57		80.0	
		Z	4.87	72.70	17.95		80.0	
10488-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.80	80.27	21.67	2.23	80.0	± 9.6 %
		Y	5.68	77.52	20.38		80.0	
		Z	5.92	77.32	20.36		80.0	
10489-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.22	73.60	19.31	2.23	80.0	± 9.6 %
		Y	4.74	72.23	18.49		80.0	
		Z	4.95	72.22	18.59		80.0	
10490-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.25	73.15	19.15	2.23	80.0	± 9.6 %
		Y	4.79	71.90	18.38		80.0	
		Z	5.01	71.88	18.48		80.0	
10491-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.15	76.70	20.45	2.23	80.0	± 9.6 %
		Y	5.42	74.81	19.51		80.0	
		Z	5.68	74.81	19.51		80.0	
10492-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.32	72.07	18.92	2.23	80.0	± 9.6 %
		Y	4.93	71.02	18.28		80.0	
		Z	5.17	71.12	18.37		80.0	

10493-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.36	71.80	18.83	2.23	80.0	± 9.6 %
		Y	4.98	70.81	18.21		80.0	
		Z	5.22	70.91	18.31		80.0	
10494-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.04	78.97	21.11	2.23	80.0	± 9.6 %
		Y	6.06	76.67	20.03		80.0	
		Z	6.34	76.66	20.02		80.0	
10495-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.45	72.70	19.17	2.23	80.0	± 9.6 %
		Y	5.02	71.55	18.50		80.0	
		Z	5.27	71.70	18.59		80.0	
10496-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.44	72.17	19.00	2.23	80.0	± 9.6 %
		Y	5.06	71.13	18.38		80.0	
		Z	5.30	71.27	18.46		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.31	79.98	19.68	2.23	80.0	± 9.6 %
		Y	4.14	73.96	16.85		80.0	
		Z	4.73	75.49	18.07		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.04	71.02	15.41	2.23	80.0	± 9.6 %
		Y	2.86	66.62	12.92		80.0	
		Z	3.69	69.48	14.89		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.89	70.20	14.95	2.23	80.0	± 9.6 %
		Y	2.76	65.93	12.48		80.0	
		Z	3.63	68.95	14.55		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.92	81.34	21.80	2.23	80.0	± 9.6 %
		Y	5.62	78.13	20.28		80.0	
		Z	5.76	77.71	20.29		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.31	74.43	19.07	2.23	80.0	± 9.6 %
		Y	4.70	72.70	18.03		80.0	
		Z	4.91	72.63	18.25		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.32	74.08	18.88	2.23	80.0	± 9.6 %
		Y	4.73	72.42	17.87		80.0	
		Z	4.94	72.37	18.11		80.0	
10503-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.70	80.04	21.57	2.23	80.0	± 9.6 %
		Y	5.60	77.28	20.28		80.0	
		Z	5.85	77.13	20.28		80.0	
10504-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.20	73.52	19.26	2.23	80.0	± 9.6 %
		Y	4.71	72.13	18.43		80.0	
		Z	4.94	72.15	18.55		80.0	
10505-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.22	73.06	19.10	2.23	80.0	± 9.6 %
		Y	4.76	71.80	18.33		80.0	
		Z	4.99	71.80	18.44		80.0	
10506-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.98	78.81	21.04	2.23	80.0	± 9.6 %
		Y	6.00	76.50	19.96		80.0	
		Z	6.29	76.52	19.96		80.0	
10507-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.42	72.64	19.14	2.23	80.0	± 9.6 %
		Y	5.00	71.48	18.47		80.0	
		Z	5.25	71.64	18.56		80.0	

10508-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.43	72.11	18.96	2.23	80.0	± 9.6 %
		Y	5.04	71.06	18.33		80.0	
		Z	5.29	71.21	18.42		80.0	
10509-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.59	75.82	19.92	2.23	80.0	± 9.6 %
		Y	5.92	74.23	19.13		80.0	
		Z	6.19	74.33	19.14		80.0	
10510-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.78	71.79	18.85	2.23	80.0	± 9.6 %
		Y	5.41	70.84	18.30		80.0	
		Z	5.67	71.07	18.39		80.0	
10511-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.77	71.37	18.73	2.23	80.0	± 9.6 %
		Y	5.43	70.49	18.21		80.0	
		Z	5.68	70.71	18.30		80.0	
10512-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.41	78.38	20.72	2.23	80.0	± 9.6 %
		Y	6.46	76.27	19.74		80.0	
		Z	6.76	76.38	19.76		80.0	
10513-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.76	72.39	19.08	2.23	80.0	± 9.6 %
		Y	5.35	71.31	18.47		80.0	
		Z	5.62	71.59	18.57		80.0	
10514-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.67	71.73	18.87	2.23	80.0	± 9.6 %
		Y	5.31	70.75	18.31		80.0	
		Z	5.56	71.01	18.41		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	1.00	64.33	15.70	0.00	150.0	± 9.6 %
		Y	0.92	62.97	14.40		150.0	
		Z	0.96	63.35	14.76		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	1.25	85.06	24.06	0.00	150.0	± 9.6 %
		Y	0.55	69.91	16.29		150.0	
		Z	0.66	72.54	17.95		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.90	67.58	17.08	0.00	150.0	± 9.6 %
		Y	0.77	64.81	14.88		150.0	
		Z	0.82	65.55	15.48		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.67	67.09	16.46	0.00	150.0	± 9.6 %
		Y	4.56	66.77	16.16		150.0	
		Z	4.66	66.85	16.24		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.88	67.37	16.60	0.00	150.0	± 9.6 %
		Y	4.76	67.04	16.30		150.0	
		Z	4.88	67.15	16.39		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.73	67.36	16.53	0.00	150.0	± 9.6 %
		Y	4.61	67.00	16.22		150.0	
		Z	4.73	67.13	16.31		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.66	67.37	16.52	0.00	150.0	± 9.6 %
		Y	4.54	67.00	16.20		150.0	
		Z	4.66	67.14	16.29		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.71	67.36	16.56	0.00	150.0	± 9.6 %
		Y	4.60	67.04	16.27		150.0	
		Z	4.70	67.10	16.32		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.58	67.25	16.42	0.00	150.0	± 9.6 %
		Y	4.47	66.91	16.11		150.0	
		Z	4.57	67.00	16.18		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.66	67.32	16.55	0.00	150.0	± 9.6 %
		Y	4.55	66.98	16.24		150.0	
		Z	4.66	67.06	16.31		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.62	66.34	16.13	0.00	150.0	± 9.6 %
		Y	4.52	66.00	15.83		150.0	
		Z	4.61	66.08	15.89		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.82	66.75	16.28	0.00	150.0	± 9.6 %
		Y	4.70	66.39	15.97		150.0	
		Z	4.81	66.49	16.04		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.74	66.72	16.23	0.00	150.0	± 9.6 %
		Y	4.62	66.35	15.92		150.0	
		Z	4.73	66.47	16.00		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.76	66.74	16.26	0.00	150.0	± 9.6 %
		Y	4.64	66.37	15.95		150.0	
		Z	4.75	66.49	16.03		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.76	66.74	16.26	0.00	150.0	± 9.6 %
		Y	4.64	66.37	15.95		150.0	
		Z	4.75	66.49	16.03		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.77	66.89	16.29	0.00	150.0	± 9.6 %
		Y	4.64	66.50	15.97		150.0	
		Z	4.76	66.64	16.06		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.62	66.76	16.24	0.00	150.0	± 9.6 %
		Y	4.49	66.35	15.90		150.0	
		Z	4.61	66.51	16.00		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.77	66.77	16.24	0.00	150.0	± 9.6 %
		Y	4.65	66.41	15.93		150.0	
		Z	4.76	66.51	16.01		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.27	66.85	16.29	0.00	150.0	± 9.6 %
		Y	5.17	66.53	16.03		150.0	
		Z	5.26	66.66	16.09		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.34	67.00	16.35	0.00	150.0	± 9.6 %
		Y	5.24	66.69	16.10		150.0	
		Z	5.33	66.80	16.14		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.21	66.99	16.33	0.00	150.0	± 9.6 %
		Y	5.10	66.65	16.06		150.0	
		Z	5.20	66.79	16.12		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.28	66.96	16.32	0.00	150.0	± 9.6 %
		Y	5.16	66.63	16.05		150.0	
		Z	5.27	66.77	16.11		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.39	67.03	16.39	0.00	150.0	± 9.6 %
		Y	5.27	66.68	16.12		150.0	
		Z	5.38	66.84	16.19		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.29	66.98	16.38	0.00	150.0	± 9.6 %
		Y	5.18	66.66	16.12		150.0	
		Z	5.28	66.78	16.18		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.27	66.87	16.32	0.00	150.0	± 9.6 %
		Y	5.16	66.53	16.05		150.0	
		Z	5.26	66.70	16.13		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.42	66.92	16.36	0.00	150.0	± 9.6 %
		Y	5.32	66.61	16.11		150.0	
		Z	5.41	66.73	16.16		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.50	66.93	16.38	0.00	150.0	± 9.6 %
		Y	5.40	66.65	16.14		150.0	
		Z	5.50	66.75	16.19		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.56	66.94	16.26	0.00	150.0	± 9.6 %
		Y	5.46	66.64	16.02		150.0	
		Z	5.54	66.77	16.07		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.77	67.38	16.42	0.00	150.0	± 9.6 %
		Y	5.68	67.09	16.19		150.0	
		Z	5.75	67.17	16.22		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.65	67.23	16.37	0.00	150.0	± 9.6 %
		Y	5.55	66.90	16.11		150.0	
		Z	5.64	67.06	16.18		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.74	67.31	16.40	0.00	150.0	± 9.6 %
		Y	5.64	66.98	16.14		150.0	
		Z	5.73	67.13	16.20		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	6.08	68.50	16.96	0.00	150.0	± 9.6 %
		Y	5.97	68.15	16.69		150.0	
		Z	6.05	68.25	16.74		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.67	67.18	16.35	0.00	150.0	± 9.6 %
		Y	5.57	66.87	16.11		150.0	
		Z	5.66	67.00	16.16		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.69	67.26	16.35	0.00	150.0	± 9.6 %
		Y	5.57	66.92	16.09		150.0	
		Z	5.68	67.11	16.17		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.58	67.02	16.25	0.00	150.0	± 9.6 %
		Y	5.48	66.70	15.99		150.0	
		Z	5.57	66.86	16.07		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.68	67.07	16.30	0.00	150.0	± 9.6 %
		Y	5.57	66.76	16.05		150.0	
		Z	5.67	66.91	16.12		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.96	67.32	16.35	0.00	150.0	± 9.6 %
		Y	5.87	67.02	16.12		150.0	
		Z	5.94	67.15	16.17		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.11	67.66	16.49	0.00	150.0	± 9.6 %
		Y	6.01	67.35	16.26		150.0	
		Z	6.09	67.50	16.32		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.12	67.68	16.50	0.00	150.0	± 9.6 %
		Y	6.03	67.38	16.27		150.0	
		Z	6.10	67.50	16.31		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.11	67.63	16.50	0.00	150.0	± 9.6 %
		Y	6.00	67.31	16.25		150.0	
		Z	6.09	67.48	16.33		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.17	67.83	16.61	0.00	150.0	± 9.6 %
		Y	6.06	67.49	16.36		150.0	
		Z	6.15	67.68	16.44		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.15	67.64	16.56	0.00	150.0	± 9.6 %
		Y	6.05	67.32	16.31		150.0	
		Z	6.14	67.50	16.39		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	6.07	67.61	16.58	0.00	150.0	± 9.6 %
		Y	5.97	67.29	16.33		150.0	
		Z	6.05	67.46	16.41		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.24	68.12	16.84	0.00	150.0	± 9.6 %
		Y	6.12	67.76	16.57		150.0	
		Z	6.22	67.97	16.66		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.59	68.70	17.07	0.00	150.0	± 9.6 %
		Y	6.50	68.45	16.86		150.0	
		Z	6.52	68.39	16.82		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	5.01	67.21	16.65	0.46	150.0	± 9.6 %
		Y	4.90	66.90	16.36		150.0	
		Z	5.00	67.01	16.45		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	5.26	67.68	16.95	0.46	150.0	± 9.6 %
		Y	5.15	67.37	16.68		150.0	
		Z	5.27	67.49	16.76		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	5.10	67.56	16.80	0.46	150.0	± 9.6 %
		Y	4.98	67.23	16.50		150.0	
		Z	5.10	67.37	16.60		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	5.12	67.92	17.12	0.46	150.0	± 9.6 %
		Y	5.00	67.60	16.84		150.0	
		Z	5.12	67.71	16.91		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	5.01	67.34	16.58	0.46	150.0	± 9.6 %
		Y	4.90	67.01	16.28		150.0	
		Z	5.01	67.12	16.37		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	5.06	67.94	17.14	0.46	150.0	± 9.6 %
		Y	4.95	67.66	16.89		150.0	
		Z	5.06	67.72	16.92		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	5.11	67.80	17.09	0.46	150.0	± 9.6 %
		Y	4.99	67.52	16.83		150.0	
		Z	5.10	67.57	16.87		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.42	67.47	17.33	0.46	130.0	± 9.6 %
		Y	1.29	65.81	16.00		130.0	
		Z	1.36	66.32	16.37		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.45	68.27	17.77	0.46	130.0	± 9.6 %
		Y	1.31	66.47	16.37		130.0	
		Z	1.39	66.98	16.74		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	100.00	147.00	39.19	0.46	130.0	± 9.6 %
		Y	4.99	95.51	25.16		130.0	
		Z	7.12	101.14	27.21		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.99	77.81	22.04	0.46	130.0	± 9.6 %
		Y	1.59	73.42	19.55		130.0	
		Z	1.69	74.01	19.92		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.83	67.10	16.76	0.46	130.0	± 9.6 %
		Y	4.72	66.80	16.47		130.0	
		Z	4.83	66.89	16.55		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.85	67.25	16.81	0.46	130.0	± 9.6 %
		Y	4.75	66.95	16.53		130.0	
		Z	4.85	67.04	16.60		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	5.08	67.57	16.98	0.46	130.0	± 9.6 %
		Y	4.96	67.26	16.71		130.0	
		Z	5.09	67.37	16.79		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.98	67.73	17.08	0.46	130.0	± 9.6 %
		Y	4.86	67.43	16.80		130.0	
		Z	4.98	67.53	16.87		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.76	67.16	16.49	0.46	130.0	± 9.6 %
		Y	4.64	66.77	16.15		130.0	
		Z	4.77	66.97	16.29		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.81	67.14	16.49	0.46	130.0	± 9.6 %
		Y	4.68	66.77	16.16		130.0	
		Z	4.81	66.93	16.28		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.88	67.83	17.04	0.46	130.0	± 9.6 %
		Y	4.76	67.49	16.75		130.0	
		Z	4.89	67.61	16.83		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.72	66.93	16.30	0.46	130.0	± 9.6 %
		Y	4.58	66.53	15.94		130.0	
		Z	4.73	66.74	16.10		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.83	67.10	16.76	0.46	130.0	± 9.6 %
		Y	4.72	66.80	16.47		130.0	
		Z	4.83	66.89	16.55		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.85	67.25	16.81	0.46	130.0	± 9.6 %
		Y	4.75	66.95	16.53		130.0	
		Z	4.85	67.04	16.60		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	5.08	67.57	16.98	0.46	130.0	± 9.6 %
		Y	4.96	67.26	16.71		130.0	
		Z	5.09	67.37	16.79		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.98	67.73	17.08	0.46	130.0	± 9.6 %
		Y	4.86	67.43	16.80		130.0	
		Z	4.98	67.53	16.87		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.76	67.16	16.49	0.46	130.0	± 9.6 %
		Y	4.64	66.77	16.15		130.0	
		Z	4.77	66.97	16.29		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.81	67.14	16.49	0.46	130.0	± 9.6 %
		Y	4.68	66.77	16.16		130.0	
		Z	4.81	66.93	16.28		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.88	67.83	17.04	0.46	130.0	± 9.6 %
		Y	4.76	67.49	16.75		130.0	
		Z	4.89	67.61	16.83		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.72	66.93	16.30	0.46	130.0	± 9.6 %
		Y	4.58	66.53	15.94		130.0	
		Z	4.73	66.74	16.10		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.97	67.13	16.83	0.46	130.0	± 9.6 %
		Y	4.87	66.85	16.56		130.0	
		Z	4.97	66.94	16.64		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.15	67.48	16.96	0.46	130.0	± 9.6 %
		Y	5.03	67.19	16.69		130.0	
		Z	5.15	67.28	16.76		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.08	67.44	16.87	0.46	130.0	± 9.6 %
		Y	4.96	67.12	16.59		130.0	
		Z	5.08	67.25	16.68		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	5.13	67.57	17.00	0.46	130.0	± 9.6 %
		Y	5.01	67.28	16.73		130.0	
		Z	5.13	67.38	16.80		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	5.10	67.55	16.91	0.46	130.0	± 9.6 %
		Y	4.98	67.24	16.63		130.0	
		Z	5.11	67.36	16.72		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	5.04	67.57	16.93	0.46	130.0	± 9.6 %
		Y	4.92	67.24	16.64		130.0	
		Z	5.05	67.36	16.72		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.99	67.50	16.83	0.46	130.0	± 9.6 %
		Y	4.87	67.16	16.53		130.0	
		Z	5.00	67.31	16.63		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.97	67.73	17.08	0.46	130.0	± 9.6 %
		Y	4.85	67.40	16.79		130.0	
		Z	4.98	67.54	16.88		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.64	67.71	17.02	0.46	130.0	± 9.6 %
		Y	5.54	67.42	16.77		130.0	
		Z	5.64	67.54	16.83		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.84	68.32	17.30	0.46	130.0	± 9.6 %
		Y	5.74	68.02	17.05		130.0	
		Z	5.86	68.21	17.15		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.70	67.95	17.13	0.46	130.0	± 9.6 %
		Y	5.59	67.66	16.88		130.0	
		Z	5.70	67.81	16.95		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.78	67.96	17.05	0.46	130.0	± 9.6 %
		Y	5.68	67.66	16.80		130.0	
		Z	5.80	67.83	16.89		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.86	68.23	17.31	0.46	130.0	± 9.6 %
		Y	5.76	67.95	17.07		130.0	
		Z	5.90	68.18	17.18		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.64	67.67	17.02	0.46	130.0	± 9.6 %
		Y	5.54	67.38	16.78		130.0	
		Z	5.65	67.52	16.85		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.76	68.00	17.19	0.46	130.0	± 9.6 %
		Y	5.67	67.75	16.97		130.0	
		Z	5.76	67.83	17.01		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.53	67.46	16.79	0.46	130.0	± 9.6 %
		Y	5.42	67.14	16.52		130.0	
		Z	5.54	67.34	16.63		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.81	66.43	16.45	0.46	130.0	± 9.6 %
		Y	4.70	66.13	16.17		130.0	
		Z	4.80	66.21	16.23		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	5.02	66.87	16.61	0.46	130.0	± 9.6 %
		Y	4.90	66.55	16.33		130.0	
		Z	5.02	66.64	16.39		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.91	66.76	16.48	0.46	130.0	± 9.6 %
		Y	4.79	66.41	16.18		130.0	
		Z	4.91	66.53	16.26		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.96	66.90	16.63	0.46	130.0	± 9.6 %
		Y	4.84	66.57	16.34		130.0	
		Z	4.96	66.68	16.41		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.88	66.74	16.50	0.46	130.0	± 9.6 %
		Y	4.76	66.39	16.20		130.0	
		Z	4.89	66.53	16.29		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.90	66.91	16.55	0.46	130.0	± 9.6 %
		Y	4.77	66.55	16.24		130.0	
		Z	4.90	66.68	16.33		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.92	66.84	16.46	0.46	130.0	± 9.6 %
		Y	4.78	66.46	16.14		130.0	
		Z	4.92	66.62	16.24		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.84	66.99	16.66	0.46	130.0	± 9.6 %
		Y	4.72	66.63	16.36		130.0	
		Z	4.84	66.77	16.44		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.89	66.58	16.29	0.46	130.0	± 9.6 %
		Y	4.76	66.22	15.98		130.0	
		Z	4.89	66.36	16.08		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.46	66.96	16.62	0.46	130.0	± 9.6 %
		Y	5.35	66.66	16.37		130.0	
		Z	5.45	66.78	16.43		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.51	67.06	16.64	0.46	130.0	± 9.6 %
		Y	5.42	66.80	16.41		130.0	
		Z	5.51	66.89	16.45		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.41	67.14	16.70	0.46	130.0	± 9.6 %
		Y	5.31	66.84	16.45		130.0	
		Z	5.41	66.96	16.50		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.44	66.98	16.56	0.46	130.0	± 9.6 %
		Y	5.34	66.68	16.31		130.0	
		Z	5.43	66.79	16.36		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.55	67.07	16.65	0.46	130.0	± 9.6 %
		Y	5.44	66.75	16.39		130.0	
		Z	5.55	66.91	16.47		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.52	67.10	16.77	0.46	130.0	± 9.6 %
		Y	5.41	66.81	16.54		130.0	
		Z	5.52	66.94	16.59		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.52	67.23	16.83	0.46	130.0	± 9.6 %
		Y	5.43	66.97	16.61		130.0	
		Z	5.52	67.05	16.64		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.41	66.83	16.52	0.46	130.0	± 9.6 %
		Y	5.30	66.50	16.26		130.0	
		Z	5.42	66.69	16.35		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.60	67.00	16.67	0.46	130.0	± 9.6 %
		Y	5.50	66.72	16.43		130.0	
		Z	5.60	66.82	16.48		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.04	68.15	17.29	0.46	130.0	± 9.6 %
		Y	5.94	67.90	17.06		130.0	
		Z	6.00	67.86	17.04		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.71	66.97	16.54	0.46	130.0	± 9.6 %
		Y	5.63	66.69	16.31		130.0	
		Z	5.70	66.81	16.36		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.98	67.56	16.79	0.46	130.0	± 9.6 %
		Y	5.90	67.32	16.58		130.0	
		Z	5.96	67.36	16.59		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.79	67.17	16.54	0.46	130.0	± 9.6 %
		Y	5.68	66.85	16.29		130.0	
		Z	5.78	67.02	16.36		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.87	67.22	16.56	0.46	130.0	± 9.6 %
		Y	5.77	66.92	16.32		130.0	
		Z	5.87	67.09	16.39		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.48	69.22	17.56	0.46	130.0	± 9.6 %
		Y	6.36	68.86	17.28		130.0	
		Z	6.45	68.98	17.34		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.29	68.75	17.49	0.46	130.0	± 9.6 %
		Y	6.17	68.38	17.23		130.0	
		Z	6.29	68.57	17.31		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.94	67.58	16.93	0.46	130.0	± 9.6 %
		Y	5.85	67.33	16.73		130.0	
		Z	5.93	67.41	16.74		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.87	67.37	16.67	0.46	130.0	± 9.6 %
		Y	5.75	67.00	16.39		130.0	
		Z	5.88	67.29	16.52		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.84	67.34	16.70	0.46	130.0	± 9.6 %
		Y	5.73	67.01	16.46		130.0	
		Z	5.85	67.24	16.55		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.74	66.76	16.17	0.46	130.0	± 9.6 %
		Y	5.62	66.39	15.89		130.0	
		Z	5.74	66.64	16.02		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.13	67.36	16.63	0.46	130.0	± 9.6 %
		Y	6.05	67.09	16.42		130.0	
		Z	6.11	67.20	16.46		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.30	67.76	16.81	0.46	130.0	± 9.6 %
		Y	6.21	67.50	16.60		130.0	
		Z	6.29	67.62	16.64		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.30	67.73	16.78	0.46	130.0	± 9.6 %
		Y	6.21	67.47	16.56		130.0	
		Z	6.28	67.57	16.60		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.29	67.73	16.82	0.46	130.0	± 9.6 %
		Y	6.20	67.43	16.59		130.0	
		Z	6.29	67.60	16.66		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.33	67.84	16.82	0.46	130.0	± 9.6 %
		Y	6.22	67.49	16.57		130.0	
		Z	6.32	67.71	16.67		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.32	67.56	16.70	0.46	130.0	± 9.6 %
		Y	6.23	67.29	16.48		130.0	
		Z	6.31	67.42	16.54		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.38	67.85	17.00	0.46	130.0	± 9.6 %
		Y	6.28	67.57	16.79		130.0	
		Z	6.37	67.73	16.85		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.22	67.58	16.78	0.46	130.0	± 9.6 %
		Y	6.12	67.27	16.54		130.0	
		Z	6.21	67.45	16.62		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.45	68.30	17.16	0.46	130.0	± 9.6 %
		Y	6.33	67.92	16.89		130.0	
		Z	6.45	68.18	17.01		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.85	69.01	17.46	0.46	130.0	± 9.6 %
		Y	6.84	68.95	17.35		130.0	
		Z	6.76	68.63	17.18		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	40.26	119.11	39.27	9.30	60.0	± 9.6 %
		Y	36.93	117.62	38.61		60.0	
		Z	28.78	110.02	36.33		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	43.42	121.73	40.16	9.30	60.0	± 9.6 %
		Y	37.87	119.05	39.16		60.0	
		Z	30.35	112.02	37.07		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.89	66.81	13.23	0.00	150.0	± 9.6 %
		Y	0.67	63.28	10.48		150.0	
		Z	0.78	64.48	11.81		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	4.61	69.53	17.90	2.23	80.0	± 9.6 %
		Y	4.34	68.71	17.31		80.0	
		Z	4.53	68.80	17.47		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	5.03	68.53	17.83	2.23	80.0	± 9.6 %
		Y	4.81	67.89	17.37		80.0	
		Z	4.99	68.09	17.51		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.95	68.16	17.81	2.23	80.0	± 9.6 %
		Y	4.75	67.54	17.37		80.0	
		Z	4.92	67.77	17.50		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	5.01	68.19	17.85	2.23	80.0	± 9.6 %
		Y	4.81	67.55	17.41		80.0	
		Z	4.97	67.82	17.55		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	13.53	87.28	23.74	10.00	50.0	± 9.6 %
		Y	14.55	88.29	23.48		50.0	
		Z	11.52	84.09	22.80		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	60.38	110.77	29.03	6.99	60.0	± 9.6 %
		Y	78.03	112.57	28.65		60.0	
		Z	23.63	96.55	25.31		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	116.42	28.34	3.98	80.0	± 9.6 %
		Y	100.00	113.13	26.55		80.0	
		Z	100.00	115.93	28.24		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	118.32	27.69	2.22	100.0	± 9.6 %
		Y	100.00	112.54	24.86		100.0	
		Z	100.00	116.38	26.92		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	126.39	29.06	0.97	120.0	± 9.6 %
		Y	100.00	111.25	22.47		120.0	
		Z	100.00	119.29	26.16		120.0	

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

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S Schweizerischer Kalibrierdienst
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Accreditation No.: SCS 0108

Client **PC Test** **Certificate No: ES3-3119_May18**

CALIBRATION CERTIFICATE

Object ES3DV3 - SN:3119

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

SC ✓ 5/31/2018

Calibration date: May 18, 2018

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

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

Calibration Equipment used (M&TE critical for calibration)

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

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

Issued: May 21, 2018

Glossary:

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

Probe ES3DV3

SN:3119

Manufactured: March 6, 2006
Calibrated: May 18, 2018

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3119

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	1.29	1.24	1.46	± 10.1 %
DCP (mV)[B]	103.8	100.9	104.2	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	216.1	±3.5 %
		Y	0.0	0.0	1.0		211.8	
		Z	0.0	0.0	1.0		224.3	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	72.42	520.3	35.53	32.26	3.723	5.10	0.546	0.664	1.013
Y	69.42	504.6	36.16	29.8	3.581	5.10	0.322	0.714	1.012
Z	62.37	447.3	35.30	29.91	3.519	5.10	0.726	0.593	1.014

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

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3119

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	6.18	6.18	6.18	0.80	1.17	± 12.0 %
835	41.5	0.90	5.96	5.96	5.96	0.80	1.12	± 12.0 %
1750	40.1	1.37	5.22	5.22	5.22	0.55	1.37	± 12.0 %
1900	40.0	1.40	4.97	4.97	4.97	0.71	1.21	± 12.0 %
2300	39.5	1.67	4.78	4.78	4.78	0.79	1.28	± 12.0 %
2450	39.2	1.80	4.58	4.58	4.58	0.60	1.44	± 12.0 %
2600	39.0	1.96	4.47	4.47	4.47	0.78	1.30	± 12.0 %

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

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

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3119

Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	6.01	6.01	6.01	0.80	1.16	± 12.0 %
835	55.2	0.97	5.84	5.84	5.84	0.68	1.25	± 12.0 %
1750	53.4	1.49	4.87	4.87	4.87	0.52	1.51	± 12.0 %
1900	53.3	1.52	4.65	4.65	4.65	0.60	1.45	± 12.0 %
2300	52.9	1.81	4.52	4.52	4.52	0.80	1.30	± 12.0 %
2450	52.7	1.95	4.42	4.42	4.42	0.72	1.30	± 12.0 %
2600	52.5	2.16	4.24	4.24	4.24	0.80	1.25	± 12.0 %

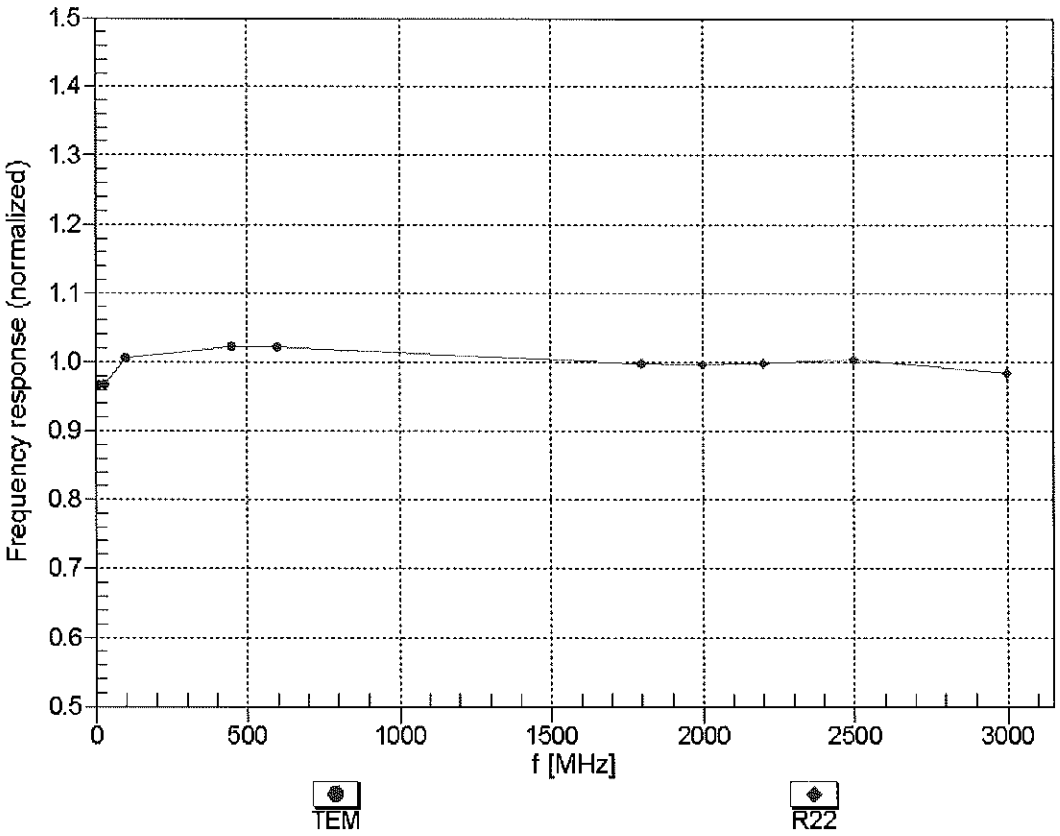
[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz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

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

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

Frequency Response of E-Field

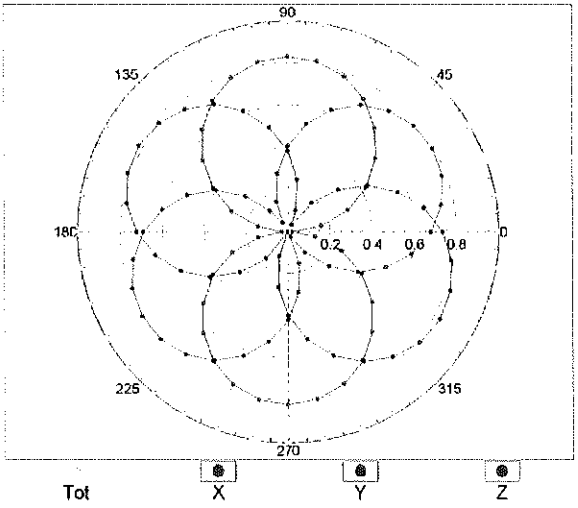
(TEM-Cell:ifi110 EXX, Waveguide: R22)



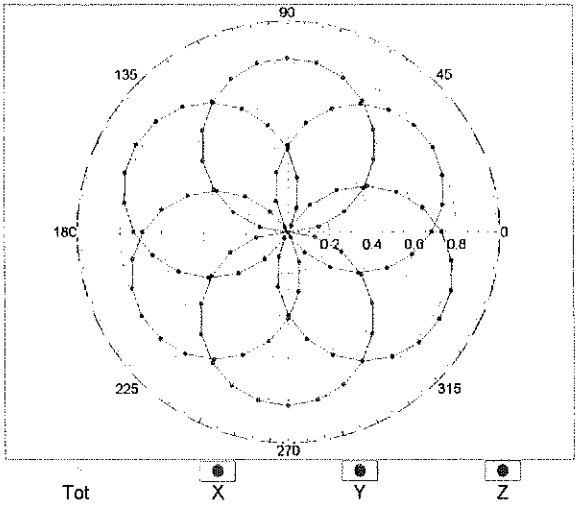
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

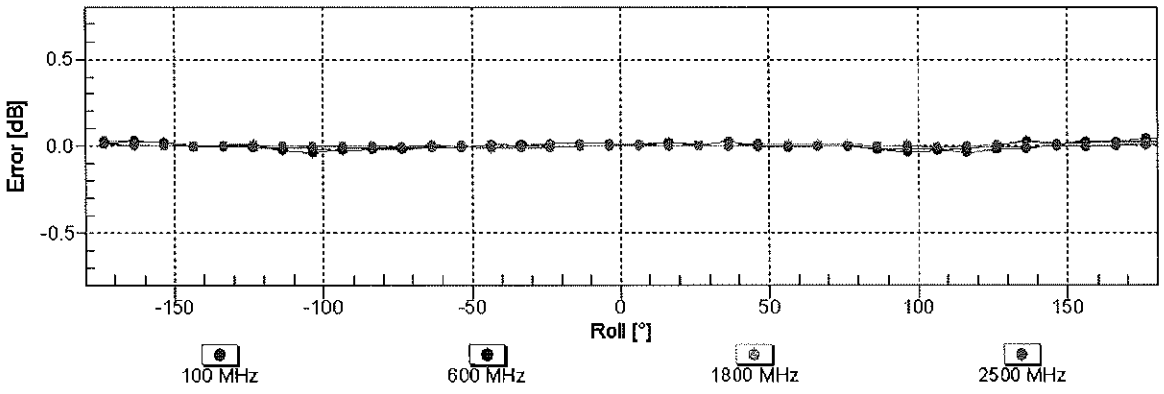
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



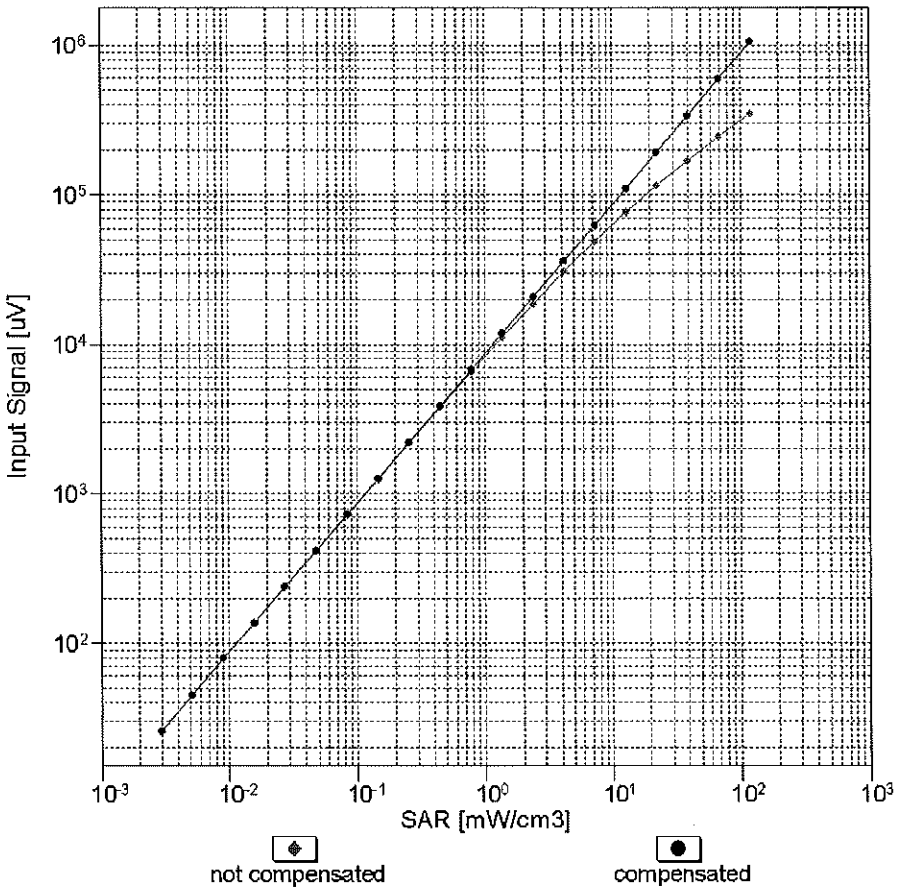
f=1800 MHz,R22

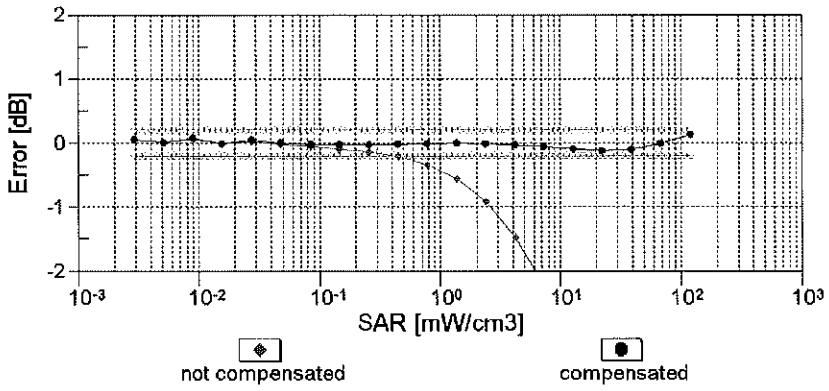




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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

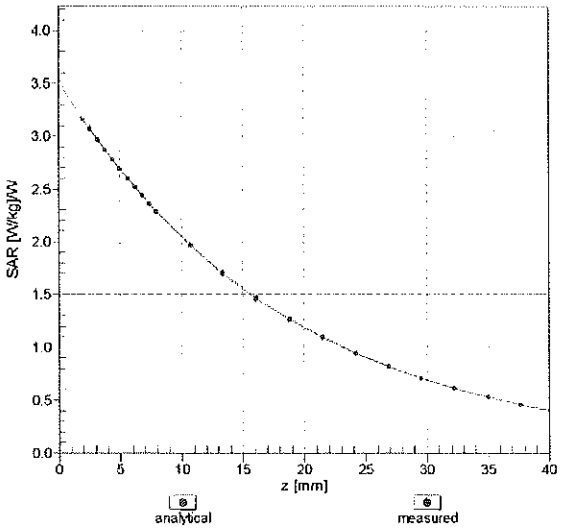




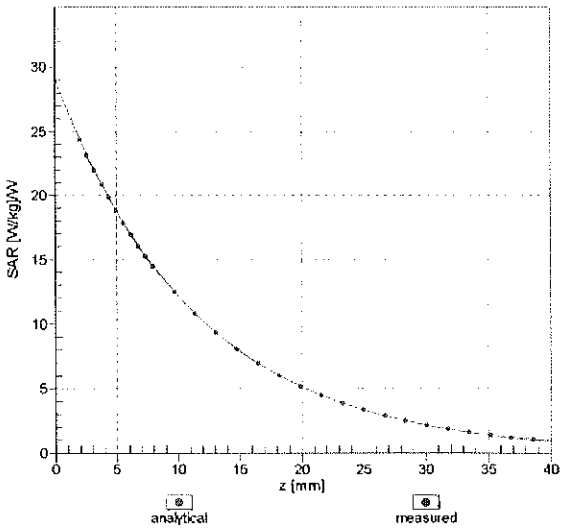
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

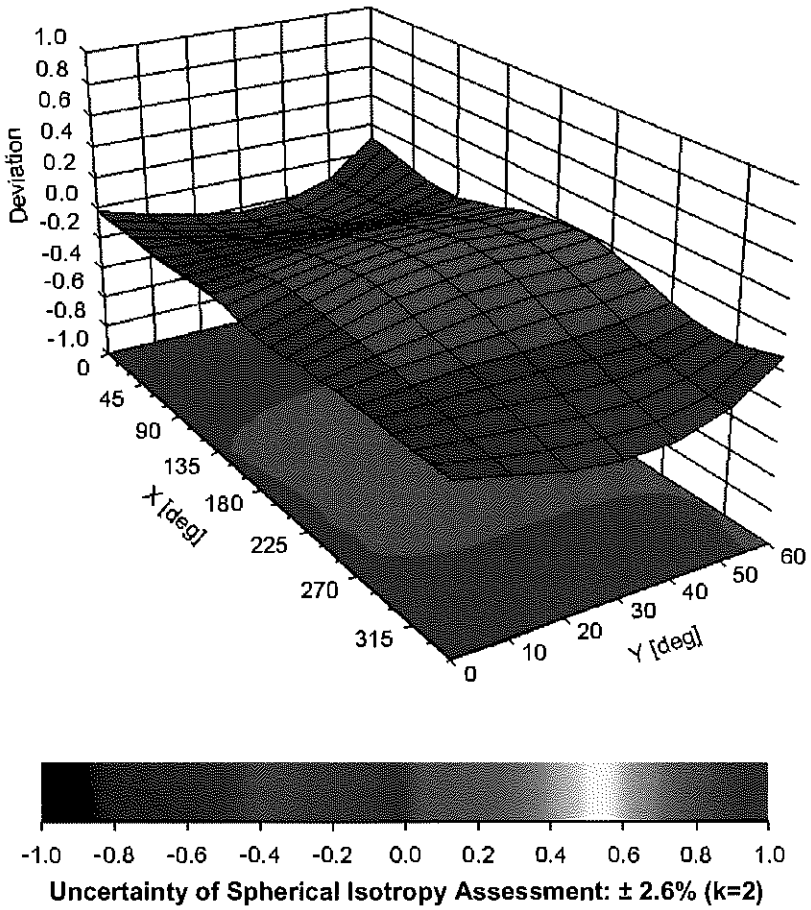


f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz



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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3119

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	116.5
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	216.1	± 3.5 %
		Y	0.00	0.00	1.00		211.8	
		Z	0.00	0.00	1.00		224.3	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	8.73	79.24	19.64	10.00	25.0	± 9.6 %
		Y	8.22	78.60	19.24		25.0	
		Z	8.30	78.73	19.30		25.0	
10011-CAB	UMTS-FDD (WCDMA)	X	1.18	69.40	16.37	0.00	150.0	± 9.6 %
		Y	1.00	66.42	14.47		150.0	
		Z	1.02	66.81	14.65		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.35	65.74	16.29	0.41	150.0	± 9.6 %
		Y	1.27	64.54	15.34		150.0	
		Z	1.29	64.83	15.46		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	5.27	67.30	17.53	1.46	150.0	± 9.6 %
		Y	5.21	67.06	17.33		150.0	
		Z	5.19	67.24	17.38		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	13.20	87.31	24.20	9.39	50.0	± 9.6 %
		Y	14.24	89.06	24.72		50.0	
		Z	13.07	87.41	24.10		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	12.71	86.51	23.97	9.57	50.0	± 9.6 %
		Y	13.48	87.95	24.39		50.0	
		Z	12.52	86.52	23.84		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	29.44	100.96	26.87	6.56	60.0	± 9.6 %
		Y	36.27	104.28	27.64		60.0	
		Z	27.08	99.64	26.30		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	19.40	104.04	39.34	12.57	50.0	± 9.6 %
		Y	15.24	96.91	36.40		50.0	
		Z	19.47	104.97	39.82		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	19.15	100.47	34.47	9.56	60.0	± 9.6 %
		Y	16.00	96.21	32.83		60.0	
		Z	18.67	100.57	34.57		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	118.39	30.10	4.80	80.0	± 9.6 %
		Y	100.00	118.07	29.78		80.0	
		Z	100.00	117.92	29.73		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	118.11	29.09	3.55	100.0	± 9.6 %
		Y	100.00	117.47	28.62		100.0	
		Z	100.00	117.40	28.61		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	14.41	94.58	31.36	7.80	80.0	± 9.6 %
		Y	11.98	90.47	29.74		80.0	
		Z	13.55	93.77	31.11		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	71.37	113.48	29.28	5.30	70.0	± 9.6 %
		Y	80.38	114.95	29.42		70.0	
		Z	51.73	108.49	27.78		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	119.05	27.84	1.88	100.0	± 9.6 %
		Y	100.00	116.75	26.65		100.0	
		Z	100.00	116.98	26.79		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	122.71	28.21	1.17	100.0	± 9.6 %
		Y	100.00	117.99	26.02		100.0	
		Z	100.00	118.71	26.38		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	13.57	91.65	25.57	5.30	70.0	± 9.6 %
		Y	11.95	89.62	24.76		70.0	
		Z	11.45	88.56	24.23		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	7.28	86.87	22.66	1.88	100.0	± 9.6 %
		Y	5.23	81.63	20.57		100.0	
		Z	5.28	81.38	20.22		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	4.50	81.61	20.64	1.17	100.0	± 9.6 %
		Y	3.25	76.50	18.39		100.0	
		Z	3.35	76.72	18.21		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	15.24	93.77	26.32	5.30	70.0	± 9.6 %
		Y	13.48	91.82	25.54		70.0	
		Z	12.71	90.45	24.91		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	7.19	86.72	22.57	1.88	100.0	± 9.6 %
		Y	5.11	81.33	20.42		100.0	
		Z	5.15	81.11	20.08		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	4.68	82.42	21.00	1.17	100.0	± 9.6 %
		Y	3.33	77.08	18.69		100.0	
		Z	3.43	77.26	18.50		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	2.16	73.15	17.25	0.00	150.0	± 9.6 %
		Y	1.77	69.93	15.42		150.0	
		Z	1.72	70.01	15.21		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	18.43	92.51	24.39	7.78	50.0	± 9.6 %
		Y	20.51	94.38	24.83		50.0	
		Z	17.67	91.92	24.02		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	122.09	1.31	0.00	150.0	± 9.6 %
		Y	0.04	110.13	12.38		150.0	
		Z	0.00	105.54	4.08		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	10.37	80.17	23.48	13.80	25.0	± 9.6 %
		Y	10.36	80.56	23.53		25.0	
		Z	10.13	80.12	23.33		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	11.21	83.49	23.32	10.79	40.0	± 9.6 %
		Y	11.43	84.26	23.51		40.0	
		Z	11.02	83.48	23.17		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	11.59	84.51	24.03	9.03	50.0	± 9.6 %
		Y	11.18	84.11	23.78		50.0	
		Z	11.20	84.06	23.67		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	11.19	89.96	29.01	6.55	100.0	± 9.6 %
		Y	9.36	86.15	27.45		100.0	
		Z	10.26	88.57	28.50		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.57	68.22	17.45	0.61	110.0	± 9.6 %
		Y	1.45	66.58	16.33		110.0	
		Z	1.47	66.93	16.46		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	130.04	33.38	1.30	110.0	± 9.6 %
		Y	26.92	109.88	28.23		110.0	
		Z	34.27	113.21	29.05		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	11.36	96.78	27.09	2.04	110.0	± 9.6 %
		Y	7.01	88.67	24.31		110.0	
		Z	7.44	89.54	24.54		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.98	67.03	16.80	0.49	100.0	± 9.6 %
		Y	4.93	66.80	16.61		100.0	
		Z	4.88	66.93	16.62		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	5.03	67.22	16.96	0.72	100.0	± 9.6 %
		Y	4.97	66.97	16.76		100.0	
		Z	4.93	67.10	16.77		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.40	67.60	17.24	0.86	100.0	± 9.6 %
		Y	5.33	67.36	17.04		100.0	
		Z	5.27	67.47	17.06		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	5.30	67.66	17.42	1.21	100.0	± 9.6 %
		Y	5.24	67.40	17.21		100.0	
		Z	5.19	67.53	17.24		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	5.37	67.83	17.66	1.46	100.0	± 9.6 %
		Y	5.30	67.55	17.45		100.0	
		Z	5.25	67.70	17.49		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.70	67.99	18.14	2.04	100.0	± 9.6 %
		Y	5.63	67.72	17.92		100.0	
		Z	5.59	67.91	17.99		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.88	68.47	18.56	2.55	100.0	± 9.6 %
		Y	5.80	68.16	18.32		100.0	
		Z	5.76	68.35	18.40		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.95	68.35	18.73	2.67	100.0	± 9.6 %
		Y	5.87	68.05	18.49		100.0	
		Z	5.84	68.31	18.61		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.43	67.58	17.94	1.99	100.0	± 9.6 %
		Y	5.37	67.33	17.73		100.0	
		Z	5.35	67.53	17.80		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.53	68.22	18.29	2.30	100.0	± 9.6 %
		Y	5.45	67.92	18.06		100.0	
		Z	5.43	68.14	18.14		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.69	68.63	18.74	2.83	100.0	± 9.6 %
		Y	5.60	68.30	18.49		100.0	
		Z	5.60	68.56	18.60		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.74	68.79	19.06	3.30	100.0	± 9.6 %
		Y	5.65	68.42	18.78		100.0	
		Z	5.65	68.70	18.90		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.96	69.48	19.66	3.82	90.0	± 9.6 %
		Y	5.85	69.02	19.33		90.0	
		Z	5.85	69.31	19.47		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.96	69.26	19.77	4.15	90.0	± 9.6 %
		Y	5.85	68.80	19.43		90.0	
		Z	5.87	69.15	19.61		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	6.00	69.36	19.88	4.30	90.0	± 9.6 %
		Y	5.89	68.89	19.54		90.0	
		Z	5.91	69.25	19.72		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	1.08	68.35	14.76	0.00	150.0	± 9.6 %
		Y	0.89	65.35	12.75		150.0	
		Z	0.86	65.31	12.50		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	2.63	65.24	10.07	4.77	80.0	± 9.6 %
		Y	2.38	64.43	9.48		80.0	
		Z	2.42	64.64	9.62		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	28.70	100.61	26.81	6.56	60.0	± 9.6 %
		Y	35.30	103.92	27.58		60.0	
		Z	26.48	99.34	26.25		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.91	67.94	16.12	0.00	150.0	± 9.6 %
		Y	1.79	66.66	15.20		150.0	
		Z	1.79	66.89	15.24		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.87	67.94	16.10	0.00	150.0	± 9.6 %
		Y	1.75	66.61	15.16		150.0	
		Z	1.75	66.86	15.20		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	19.04	100.29	34.41	9.56	60.0	± 9.6 %
		Y	15.94	96.08	32.79		60.0	
		Z	18.56	100.39	34.51		60.0	
10100-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.45	71.42	17.07	0.00	150.0	± 9.6 %
		Y	3.20	70.01	16.28		150.0	
		Z	3.18	70.12	16.33		150.0	
10101-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.47	68.22	16.25	0.00	150.0	± 9.6 %
		Y	3.36	67.53	15.79		150.0	
		Z	3.32	67.60	15.80		150.0	
10102-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.56	68.08	16.30	0.00	150.0	± 9.6 %
		Y	3.46	67.47	15.88		150.0	
		Z	3.42	67.51	15.88		150.0	
10103-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	8.64	77.20	20.80	3.98	65.0	± 9.6 %
		Y	8.38	76.89	20.66		65.0	
		Z	8.29	76.81	20.60		65.0	
10104-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.95	76.81	21.55	3.98	65.0	± 9.6 %
		Y	8.55	76.08	21.19		65.0	
		Z	8.63	76.46	21.35		65.0	
10105-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	8.33	75.39	21.22	3.98	65.0	± 9.6 %
		Y	7.70	74.02	20.57		65.0	
		Z	8.09	75.17	21.07		65.0	
10108-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	3.06	70.58	16.90	0.00	150.0	± 9.6 %
		Y	2.84	69.23	16.10		150.0	
		Z	2.81	69.34	16.16		150.0	
10109-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.15	67.99	16.20	0.00	150.0	± 9.6 %
		Y	3.03	67.27	15.70		150.0	
		Z	2.99	67.33	15.69		150.0	
10110-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.53	69.63	16.63	0.00	150.0	± 9.6 %
		Y	2.34	68.24	15.76		150.0	
		Z	2.30	68.40	15.82		150.0	
10111-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.82	68.33	16.43	0.00	150.0	± 9.6 %
		Y	2.70	67.57	15.88		150.0	
		Z	2.66	67.62	15.81		150.0	

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.26	67.85	16.20	0.00	150.0	± 9.6 %
		Y	3.15	67.21	15.75		150.0	
		Z	3.11	67.27	15.73		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.97	68.34	16.51	0.00	150.0	± 9.6 %
		Y	2.86	67.66	16.01		150.0	
		Z	2.81	67.71	15.93		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.32	67.42	16.55	0.00	150.0	± 9.6 %
		Y	5.26	67.16	16.36		150.0	
		Z	5.21	67.21	16.35		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.74	67.85	16.77	0.00	150.0	± 9.6 %
		Y	5.67	67.57	16.57		150.0	
		Z	5.59	67.55	16.53		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.45	67.66	16.59	0.00	150.0	± 9.6 %
		Y	5.39	67.42	16.41		150.0	
		Z	5.34	67.49	16.41		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.32	67.43	16.58	0.00	150.0	± 9.6 %
		Y	5.27	67.20	16.39		150.0	
		Z	5.22	67.24	16.39		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.75	67.79	16.74	0.00	150.0	± 9.6 %
		Y	5.70	67.57	16.57		150.0	
		Z	5.66	67.71	16.62		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.42	67.62	16.58	0.00	150.0	± 9.6 %
		Y	5.37	67.40	16.41		150.0	
		Z	5.32	67.45	16.41		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.62	68.08	16.23	0.00	150.0	± 9.6 %
		Y	3.52	67.48	15.81		150.0	
		Z	3.47	67.53	15.81		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.73	68.07	16.35	0.00	150.0	± 9.6 %
		Y	3.63	67.52	15.97		150.0	
		Z	3.59	67.57	15.96		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.30	69.51	16.49	0.00	150.0	± 9.6 %
		Y	2.11	68.01	15.52		150.0	
		Z	2.07	68.17	15.52		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.70	68.91	16.38	0.00	150.0	± 9.6 %
		Y	2.56	68.00	15.71		150.0	
		Z	2.50	68.03	15.56		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.56	67.32	15.21	0.00	150.0	± 9.6 %
		Y	2.43	66.43	14.52		150.0	
		Z	2.37	66.52	14.40		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.69	68.28	14.84	0.00	150.0	± 9.6 %
		Y	1.48	66.23	13.42		150.0	
		Z	1.39	65.84	12.87		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	3.98	75.21	17.70	0.00	150.0	± 9.6 %
		Y	3.30	72.27	16.12		150.0	
		Z	3.38	72.80	16.00		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	4.85	78.25	19.08	0.00	150.0	± 9.6 %
		Y	4.01	75.19	17.53		150.0	
		Z	4.13	75.68	17.34		150.0	

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.15	68.04	16.24	0.00	150.0	± 9.6 %
		Y	3.04	67.32	15.74		150.0	
		Z	3.00	67.38	15.73		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.27	67.89	16.24	0.00	150.0	± 9.6 %
		Y	3.16	67.26	15.78		150.0	
		Z	3.12	67.31	15.77		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.08	79.17	21.71	3.98	65.0	± 9.6 %
		Y	8.66	78.57	21.43		65.0	
		Z	8.76	78.93	21.54		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	8.61	77.04	21.49	3.98	65.0	± 9.6 %
		Y	8.16	76.19	21.06		65.0	
		Z	8.25	76.62	21.21		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	8.89	77.55	22.01	3.98	65.0	± 9.6 %
		Y	8.48	76.82	21.65		65.0	
		Z	8.56	77.20	21.77		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.58	70.07	16.91	0.00	150.0	± 9.6 %
		Y	2.39	68.67	16.03		150.0	
		Z	2.35	68.75	16.04		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.82	68.33	16.44	0.00	150.0	± 9.6 %
		Y	2.70	67.56	15.88		150.0	
		Z	2.66	67.62	15.82		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.17	69.82	16.55	0.00	150.0	± 9.6 %
		Y	1.97	68.12	15.45		150.0	
		Z	1.92	68.22	15.38		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.40	67.95	15.40	0.00	150.0	± 9.6 %
		Y	2.25	66.86	14.60		150.0	
		Z	2.19	66.92	14.43		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.98	68.37	16.54	0.00	150.0	± 9.6 %
		Y	2.87	67.70	16.04		150.0	
		Z	2.81	67.75	15.96		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.51	68.29	15.64	0.00	150.0	± 9.6 %
		Y	2.35	67.25	14.87		150.0	
		Z	2.29	67.27	14.67		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.99	69.24	16.61	0.00	150.0	± 9.6 %
		Y	2.85	68.29	15.98		150.0	
		Z	2.81	68.40	16.01		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.15	67.74	16.18	0.00	150.0	± 9.6 %
		Y	3.05	67.11	15.72		150.0	
		Z	3.01	67.18	15.69		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.25	67.73	16.22	0.00	150.0	± 9.6 %
		Y	3.15	67.15	15.79		150.0	
		Z	3.11	67.26	15.78		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.19	70.80	19.90	3.01	150.0	± 9.6 %
		Y	4.05	70.08	19.40		150.0	
		Z	4.07	70.78	19.80		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.48	74.21	20.58	3.01	150.0	± 9.6 %
		Y	5.19	73.13	19.95		150.0	
		Z	5.31	74.28	20.49		150.0	

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.90	75.78	21.52	3.01	150.0	± 9.6 %
		Y	5.63	74.88	21.00		150.0	
		Z	5.76	76.02	21.51		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	4.12	73.63	21.07	3.01	150.0	± 9.6 %
		Y	3.82	71.98	20.15		150.0	
		Z	3.81	72.59	20.57		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	6.34	80.63	23.44	3.01	150.0	± 9.6 %
		Y	5.64	78.30	22.38		150.0	
		Z	5.78	79.52	22.98		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	5.20	76.32	20.89	3.01	150.0	± 9.6 %
		Y	4.62	73.99	19.74		150.0	
		Z	4.75	75.32	20.43		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	28.12	106.47	32.64	6.02	65.0	± 9.6 %
		Y	20.29	100.26	30.66		65.0	
		Z	30.84	109.43	33.61		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	24.51	99.51	29.04	6.02	65.0	± 9.6 %
		Y	21.06	97.01	28.21		65.0	
		Z	27.06	102.23	29.86		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	20.30	95.06	27.24	6.02	65.0	± 9.6 %
		Y	17.61	92.80	26.46		65.0	
		Z	22.39	97.69	28.04		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	4.06	73.26	20.82	3.01	150.0	± 9.6 %
		Y	3.77	71.61	19.88		150.0	
		Z	3.77	72.26	20.34		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	6.35	80.66	23.45	3.01	150.0	± 9.6 %
		Y	5.65	78.32	22.39		150.0	
		Z	5.79	79.55	22.99		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	4.10	73.44	20.92	3.01	150.0	± 9.6 %
		Y	3.80	71.80	20.00		150.0	
		Z	3.80	72.42	20.43		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	6.25	80.32	23.30	3.01	150.0	± 9.6 %
		Y	5.56	77.99	22.23		150.0	
		Z	5.71	79.26	22.86		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	5.71	78.27	22.00	3.01	150.0	± 9.6 %
		Y	5.07	75.93	20.89		150.0	
		Z	5.22	77.27	21.56		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	5.17	76.20	20.82	3.01	150.0	± 9.6 %
		Y	4.59	73.88	19.67		150.0	
		Z	4.74	75.23	20.38		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	4.09	73.42	20.91	3.01	150.0	± 9.6 %
		Y	3.80	71.78	19.99		150.0	
		Z	3.79	72.40	20.42		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	6.24	80.30	23.29	3.01	150.0	± 9.6 %
		Y	5.55	77.97	22.22		150.0	
		Z	5.70	79.24	22.84		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	5.16	76.18	20.81	3.01	150.0	± 9.6 %
		Y	4.59	73.86	19.66		150.0	
		Z	4.73	75.21	20.37		150.0	

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	4.11	73.46	20.93	3.01	150.0	± 9.6 %
		Y	3.81	71.82	20.01		150.0	
		Z	3.81	72.44	20.44		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	6.27	80.37	23.32	3.01	150.0	± 9.6 %
		Y	5.58	78.04	22.26		150.0	
		Z	5.73	79.31	22.88		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	5.19	76.25	20.85	3.01	150.0	± 9.6 %
		Y	4.61	73.93	19.70		150.0	
		Z	4.75	75.28	20.40		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	4.12	73.50	20.98	3.01	150.0	± 9.6 %
		Y	3.82	71.85	20.05		150.0	
		Z	3.81	72.49	20.49		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	6.50	81.13	23.70	3.01	150.0	± 9.6 %
		Y	5.79	78.80	22.66		150.0	
		Z	5.93	80.01	23.24		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	5.32	76.74	21.12	3.01	150.0	± 9.6 %
		Y	4.72	74.40	19.98		150.0	
		Z	4.87	75.74	20.67		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.74	66.77	16.33	0.00	150.0	± 9.6 %
		Y	4.69	66.52	16.12		150.0	
		Z	4.64	66.62	16.12		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.96	67.16	16.44	0.00	150.0	± 9.6 %
		Y	4.89	66.91	16.23		150.0	
		Z	4.84	66.99	16.23		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.99	67.16	16.43	0.00	150.0	± 9.6 %
		Y	4.93	66.91	16.24		150.0	
		Z	4.88	67.00	16.24		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.77	66.89	16.37	0.00	150.0	± 9.6 %
		Y	4.71	66.63	16.16		150.0	
		Z	4.66	66.72	16.15		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.97	67.18	16.44	0.00	150.0	± 9.6 %
		Y	4.91	66.93	16.24		150.0	
		Z	4.85	67.01	16.24		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	5.00	67.17	16.44	0.00	150.0	± 9.6 %
		Y	4.94	66.92	16.24		150.0	
		Z	4.88	67.02	16.25		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.72	66.90	16.34	0.00	150.0	± 9.6 %
		Y	4.66	66.64	16.12		150.0	
		Z	4.61	66.72	16.11		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.98	67.19	16.45	0.00	150.0	± 9.6 %
		Y	4.91	66.93	16.24		150.0	
		Z	4.85	67.00	16.24		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	5.01	67.11	16.44	0.00	150.0	± 9.6 %
		Y	4.95	66.87	16.24		150.0	
		Z	4.89	66.96	16.24		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.30	67.47	16.58	0.00	150.0	± 9.6 %
		Y	5.25	67.22	16.39		150.0	
		Z	5.20	67.26	16.38		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.69	67.78	16.76	0.00	150.0	± 9.6 %
		Y	5.65	67.60	16.61		150.0	
		Z	5.58	67.65	16.61		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.37	67.60	16.57	0.00	150.0	± 9.6 %
		Y	5.31	67.33	16.37		150.0	
		Z	5.24	67.35	16.35		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	3.00	66.32	15.76	0.00	150.0	± 9.6 %
		Y	2.92	65.84	15.36		150.0	
		Z	2.88	65.96	15.31		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	25.34	100.21	29.32	6.02	65.0	± 9.6 %
		Y	21.88	97.80	28.53		65.0	
		Z	28.16	103.05	30.17		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	20.89	95.65	27.50	6.02	65.0	± 9.6 %
		Y	18.66	93.90	26.89		65.0	
		Z	23.03	98.25	28.28		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	27.90	106.81	32.85	6.02	65.0	± 9.6 %
		Y	21.79	102.13	31.35		65.0	
		Z	29.50	109.02	33.59		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	24.51	99.50	29.04	6.02	65.0	± 9.6 %
		Y	21.09	97.02	28.22		65.0	
		Z	27.07	102.22	29.86		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	20.30	95.08	27.26	6.02	65.0	± 9.6 %
		Y	18.06	93.26	26.62		65.0	
		Z	22.29	97.60	28.02		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	26.95	106.05	32.56	6.02	65.0	± 9.6 %
		Y	20.98	101.31	31.03		65.0	
		Z	28.34	108.14	33.27		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	24.50	99.50	29.04	6.02	65.0	± 9.6 %
		Y	21.08	97.02	28.21		65.0	
		Z	27.06	102.22	29.86		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	20.31	95.10	27.27	6.02	65.0	± 9.6 %
		Y	18.06	93.27	26.63		65.0	
		Z	22.30	97.62	28.03		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	25.91	105.12	32.20	6.02	65.0	± 9.6 %
		Y	20.17	100.39	30.66		65.0	
		Z	27.13	107.11	32.88		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	24.55	99.55	29.05	6.02	65.0	± 9.6 %
		Y	21.11	97.06	28.23		65.0	
		Z	27.13	102.28	29.88		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	20.44	95.20	27.30	6.02	65.0	± 9.6 %
		Y	18.18	93.36	26.65		65.0	
		Z	22.46	97.73	28.06		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	27.19	106.24	32.62	6.02	65.0	± 9.6 %
		Y	21.11	101.45	31.07		65.0	
		Z	28.60	108.34	33.33		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	24.51	99.52	29.04	6.02	65.0	± 9.6 %
		Y	21.08	97.02	28.22		65.0	
		Z	27.06	102.23	29.86		65.0	

10239-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	20.32	95.12	27.28	6.02	65.0	± 9.6 %
		Y	18.06	93.28	26.63		65.0	
		Z	22.31	97.64	28.04		65.0	
10240-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	27.11	106.18	32.60	6.02	65.0	± 9.6 %
		Y	21.05	101.40	31.05		65.0	
		Z	28.51	108.28	33.31		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	13.32	86.96	27.76	6.98	65.0	± 9.6 %
		Y	12.14	84.93	26.82		65.0	
		Z	13.21	87.48	27.86		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	13.08	86.53	27.54	6.98	65.0	± 9.6 %
		Y	11.36	83.43	26.15		65.0	
		Z	13.18	87.43	27.79		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	11.12	85.13	27.92	6.98	65.0	± 9.6 %
		Y	9.55	81.58	26.25		65.0	
		Z	9.75	82.70	26.82		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	10.08	80.93	21.89	3.98	65.0	± 9.6 %
		Y	9.48	80.06	21.41		65.0	
		Z	9.49	80.06	21.16		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	10.01	80.58	21.71	3.98	65.0	± 9.6 %
		Y	9.41	79.71	21.23		65.0	
		Z	9.41	79.68	20.97		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	9.15	81.91	21.99	3.98	65.0	± 9.6 %
		Y	8.42	80.72	21.40		65.0	
		Z	8.30	80.41	21.06		65.0	
10247-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	8.09	77.75	20.93	3.98	65.0	± 9.6 %
		Y	7.59	76.84	20.43		65.0	
		Z	7.53	76.72	20.17		65.0	
10248-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	8.15	77.44	20.80	3.98	65.0	± 9.6 %
		Y	7.65	76.49	20.28		65.0	
		Z	7.59	76.44	20.05		65.0	
10249-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	9.64	82.72	22.72	3.98	65.0	± 9.6 %
		Y	8.97	81.70	22.24		65.0	
		Z	9.02	81.83	22.13		65.0	
10250-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.73	78.92	22.34	3.98	65.0	± 9.6 %
		Y	8.28	78.14	21.95		65.0	
		Z	8.33	78.38	21.94		65.0	
10251-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	8.43	77.25	21.45	3.98	65.0	± 9.6 %
		Y	7.98	76.39	21.00		65.0	
		Z	8.08	76.82	21.08		65.0	
10252-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	9.50	81.63	22.75	3.98	65.0	± 9.6 %
		Y	8.96	80.86	22.39		65.0	
		Z	9.11	81.29	22.49		65.0	
10253-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	8.39	76.50	21.34	3.98	65.0	± 9.6 %
		Y	7.96	75.65	20.90		65.0	
		Z	8.06	76.10	21.04		65.0	
10254-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.71	77.06	21.85	3.98	65.0	± 9.6 %
		Y	8.30	76.30	21.46		65.0	
		Z	8.39	76.71	21.57		65.0	

10255-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	8.87	78.97	21.88	3.98	65.0	± 9.6 %
		Y	8.43	78.29	21.57		65.0	
		Z	8.56	78.72	21.69		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	9.52	79.84	20.86	3.98	65.0	± 9.6 %
		Y	8.85	78.79	20.27		65.0	
		Z	8.64	78.29	19.78		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	9.44	79.37	20.61	3.98	65.0	± 9.6 %
		Y	8.77	78.30	20.01		65.0	
		Z	8.53	77.74	19.49		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	8.57	80.68	21.12	3.98	65.0	± 9.6 %
		Y	7.76	79.24	20.40		65.0	
		Z	7.40	78.31	19.75		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	8.34	78.11	21.40	3.98	65.0	± 9.6 %
		Y	7.86	77.25	20.94		65.0	
		Z	7.86	77.31	20.79		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	8.39	77.94	21.36	3.98	65.0	± 9.6 %
		Y	7.92	77.09	20.90		65.0	
		Z	7.90	77.14	20.75		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	9.35	81.91	22.65	3.98	65.0	± 9.6 %
		Y	8.73	80.93	22.19		65.0	
		Z	8.82	81.21	22.17		65.0	
10262-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.73	78.90	22.31	3.98	65.0	± 9.6 %
		Y	8.27	78.11	21.92		65.0	
		Z	8.33	78.35	21.92		65.0	
10263-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	8.43	77.25	21.45	3.98	65.0	± 9.6 %
		Y	7.97	76.39	21.00		65.0	
		Z	8.07	76.81	21.08		65.0	
10264-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	9.46	81.55	22.70	3.98	65.0	± 9.6 %
		Y	8.92	80.75	22.34		65.0	
		Z	9.07	81.19	22.44		65.0	
10265-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	8.60	77.04	21.49	3.98	65.0	± 9.6 %
		Y	8.16	76.19	21.06		65.0	
		Z	8.25	76.62	21.21		65.0	
10266-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	8.89	77.55	22.01	3.98	65.0	± 9.6 %
		Y	8.48	76.82	21.65		65.0	
		Z	8.57	77.20	21.76		65.0	
10267-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	9.07	79.14	21.70	3.98	65.0	± 9.6 %
		Y	8.65	78.54	21.42		65.0	
		Z	8.76	78.90	21.53		65.0	
10268-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	9.02	76.50	21.57	3.98	65.0	± 9.6 %
		Y	8.65	75.83	21.23		65.0	
		Z	8.72	76.21	21.38		65.0	
10269-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	8.95	76.15	21.51	3.98	65.0	± 9.6 %
		Y	8.58	75.47	21.16		65.0	
		Z	8.67	75.86	21.32		65.0	
10270-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	8.82	77.11	21.02	3.98	65.0	± 9.6 %
		Y	8.48	76.60	20.79		65.0	
		Z	8.54	76.88	20.88		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.69	66.50	15.57	0.00	150.0	± 9.6 %
		Y	2.62	65.90	15.08		150.0	
		Z	2.61	66.11	15.09		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.78	68.98	16.23	0.00	150.0	± 9.6 %
		Y	1.61	67.12	15.02		150.0	
		Z	1.61	67.39	15.12		150.0	
10277-CAA	PHS (QPSK)	X	6.69	71.68	15.98	9.03	50.0	± 9.6 %
		Y	6.28	70.89	15.40		50.0	
		Z	6.22	70.67	15.16		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	9.84	80.42	21.73	9.03	50.0	± 9.6 %
		Y	9.33	79.68	21.28		50.0	
		Z	8.91	78.62	20.66		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	10.04	80.66	21.83	9.03	50.0	± 9.6 %
		Y	9.51	79.89	21.37		50.0	
		Z	9.07	78.83	20.75		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.82	70.55	15.88	0.00	150.0	± 9.6 %
		Y	1.53	67.85	14.22		150.0	
		Z	1.49	67.91	13.99		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	1.05	68.04	14.60	0.00	150.0	± 9.6 %
		Y	0.87	65.14	12.63		150.0	
		Z	0.85	65.11	12.38		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	1.30	72.10	16.88	0.00	150.0	± 9.6 %
		Y	0.99	67.69	14.29		150.0	
		Z	0.97	67.76	14.08		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	1.73	76.59	19.23	0.00	150.0	± 9.6 %
		Y	1.24	70.97	16.28		150.0	
		Z	1.22	71.03	16.05		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	10.30	82.33	24.11	9.03	50.0	± 9.6 %
		Y	9.86	81.57	23.65		50.0	
		Z	10.26	82.24	23.75		50.0	
10297-AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	3.07	70.67	16.96	0.00	150.0	± 9.6 %
		Y	2.85	69.32	16.16		150.0	
		Z	2.82	69.42	16.21		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.95	69.42	15.87	0.00	150.0	± 9.6 %
		Y	1.73	67.49	14.59		150.0	
		Z	1.67	67.42	14.33		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	4.16	75.23	18.27	0.00	150.0	± 9.6 %
		Y	3.62	72.95	17.02		150.0	
		Z	3.79	73.98	17.20		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	3.24	70.49	15.56	0.00	150.0	± 9.6 %
		Y	2.85	68.54	14.36		150.0	
		Z	2.88	69.12	14.38		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	6.29	69.71	19.78	4.17	80.0	± 9.6 %
		Y	5.94	68.34	18.90		80.0	
		Z	6.29	70.13	19.82		80.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	6.76	70.27	20.51	4.96	80.0	± 9.6 %
		Y	6.41	68.86	19.59		80.0	
		Z	6.69	70.41	20.40		80.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	6.71	70.71	20.76	4.96	80.0	± 9.6 %
		Y	6.29	69.07	19.72		80.0	
		Z	6.62	70.79	20.61		80.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	6.19	69.47	19.65	4.17	80.0	± 9.6 %
		Y	5.87	68.17	18.80		80.0	
		Z	6.10	69.53	19.49		80.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	9.95	82.67	26.69	6.02	50.0	± 9.6 %
		Y	10.15	84.21	27.39		50.0	
		Z	10.19	83.14	26.44		50.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	7.82	75.69	23.92	6.02	50.0	± 9.6 %
		Y	6.85	72.18	21.91		50.0	
		Z	7.86	76.03	23.76		50.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	8.17	76.98	24.26	6.02	50.0	± 9.6 %
		Y	6.98	72.96	22.07		50.0	
		Z	8.22	77.31	24.10		50.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	8.34	77.70	24.59	6.02	50.0	± 9.6 %
		Y	7.04	73.38	22.27		50.0	
		Z	8.42	78.07	24.43		50.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	7.98	76.05	24.09	6.02	50.0	± 9.6 %
		Y	6.97	72.49	22.06		50.0	
		Z	8.04	76.48	23.98		50.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	7.91	76.10	23.99	6.02	50.0	± 9.6 %
		Y	6.87	72.41	21.91		50.0	
		Z	7.97	76.48	23.85		50.0	
10311-AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.42	69.92	16.58	0.00	150.0	± 9.6 %
		Y	3.19	68.66	15.86		150.0	
		Z	3.16	68.73	15.89		150.0	
10313-AAA	iDEN 1:3	X	7.40	77.32	18.57	6.99	70.0	± 9.6 %
		Y	6.67	76.09	18.00		70.0	
		Z	6.86	76.47	18.15		70.0	
10314-AAA	iDEN 1:6	X	8.58	80.83	22.15	10.00	30.0	± 9.6 %
		Y	7.73	79.50	21.60		30.0	
		Z	7.82	79.66	21.66		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.19	65.11	15.97	0.17	150.0	± 9.6 %
		Y	1.12	63.96	15.01		150.0	
		Z	1.14	64.21	15.10		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.86	66.98	16.54	0.17	150.0	± 9.6 %
		Y	4.80	66.73	16.33		150.0	
		Z	4.76	66.85	16.34		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.86	66.98	16.54	0.17	150.0	± 9.6 %
		Y	4.80	66.73	16.33		150.0	
		Z	4.76	66.85	16.34		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.98	67.24	16.44	0.00	150.0	± 9.6 %
		Y	4.91	66.97	16.23		150.0	
		Z	4.85	67.07	16.24		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.56	67.23	16.48	0.00	150.0	± 9.6 %
		Y	5.51	67.02	16.31		150.0	
		Z	5.49	67.21	16.38		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.88	67.86	16.62	0.00	150.0	± 9.6 %
		Y	5.83	67.64	16.45		150.0	
		Z	5.78	67.69	16.45		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.82	70.55	15.88	0.00	115.0	± 9.6 %
		Y	1.53	67.85	14.22		115.0	
		Z	1.49	67.91	13.99		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.82	70.55	15.88	0.00	115.0	± 9.6 %
		Y	1.53	67.85	14.22		115.0	
		Z	1.49	67.91	13.99		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	54.89	116.02	30.72	0.00	100.0	± 9.6 %
		Y	19.65	100.06	26.33		100.0	
		Z	53.88	114.30	29.69		100.0	
10410-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	120.18	31.16	3.23	80.0	± 9.6 %
		Y	100.00	120.00	30.94		80.0	
		Z	100.00	120.41	31.02		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.01	63.38	15.00	0.00	150.0	± 9.6 %
		Y	0.97	62.46	14.12		150.0	
		Z	0.99	62.70	14.21		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.74	66.79	16.35	0.00	150.0	± 9.6 %
		Y	4.69	66.54	16.15		150.0	
		Z	4.64	66.66	16.16		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.74	66.79	16.35	0.00	150.0	± 9.6 %
		Y	4.69	66.54	16.15		150.0	
		Z	4.64	66.66	16.16		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.72	66.91	16.35	0.00	150.0	± 9.6 %
		Y	4.67	66.66	16.14		150.0	
		Z	4.62	66.78	16.15		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.75	66.88	16.36	0.00	150.0	± 9.6 %
		Y	4.70	66.63	16.16		150.0	
		Z	4.65	66.75	16.17		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.88	66.90	16.38	0.00	150.0	± 9.6 %
		Y	4.83	66.66	16.18		150.0	
		Z	4.78	66.77	16.19		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	5.11	67.32	16.54	0.00	150.0	± 9.6 %
		Y	5.05	67.07	16.34		150.0	
		Z	4.98	67.15	16.34		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	5.01	67.24	16.49	0.00	150.0	± 9.6 %
		Y	4.95	66.99	16.29		150.0	
		Z	4.89	67.08	16.30		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.58	67.64	16.67	0.00	150.0	± 9.6 %
		Y	5.54	67.43	16.50		150.0	
		Z	5.47	67.45	16.48		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.60	67.67	16.67	0.00	150.0	± 9.6 %
		Y	5.55	67.46	16.51		150.0	
		Z	5.48	67.49	16.50		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.62	67.70	16.68	0.00	150.0	± 9.6 %
		Y	5.57	67.46	16.51		150.0	
		Z	5.50	67.49	16.49		150.0	
10430-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.38	69.67	17.94	0.00	150.0	± 9.6 %
		Y	4.33	69.58	17.80		150.0	
		Z	4.20	69.45	17.56		150.0	
10431-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.52	67.35	16.46	0.00	150.0	± 9.6 %
		Y	4.44	67.04	16.20		150.0	
		Z	4.37	67.16	16.19		150.0	
10432-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.80	67.28	16.47	0.00	150.0	± 9.6 %
		Y	4.73	67.00	16.25		150.0	
		Z	4.66	67.10	16.25		150.0	
10433-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	5.03	67.30	16.53	0.00	150.0	± 9.6 %
		Y	4.97	67.05	16.32		150.0	
		Z	4.90	67.13	16.32		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.44	70.22	17.90	0.00	150.0	± 9.6 %
		Y	4.39	70.14	17.76		150.0	
		Z	4.25	70.00	17.47		150.0	
10435-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.04	31.10	3.23	80.0	± 9.6 %
		Y	100.00	119.86	30.88		80.0	
		Z	100.00	120.26	30.96		80.0	
10447-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.84	67.38	16.06	0.00	150.0	± 9.6 %
		Y	3.74	66.97	15.70		150.0	
		Z	3.66	67.07	15.61		150.0	
10448-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.32	67.11	16.31	0.00	150.0	± 9.6 %
		Y	4.24	66.80	16.05		150.0	
		Z	4.18	66.92	16.03		150.0	
10449-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.56	67.09	16.36	0.00	150.0	± 9.6 %
		Y	4.50	66.80	16.13		150.0	
		Z	4.44	66.90	16.13		150.0	
10450-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.73	67.04	16.37	0.00	150.0	± 9.6 %
		Y	4.68	66.77	16.16		150.0	
		Z	4.63	66.86	16.16		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.78	67.68	15.87	0.00	150.0	± 9.6 %
		Y	3.67	67.21	15.46		150.0	
		Z	3.58	67.29	15.33		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.44	68.30	16.85	0.00	150.0	± 9.6 %
		Y	6.39	68.08	16.70		150.0	
		Z	6.33	68.10	16.68		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.88	65.45	16.12	0.00	150.0	± 9.6 %
		Y	3.85	65.19	15.88		150.0	
		Z	3.83	65.30	15.89		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.99	69.06	17.30	0.00	150.0	± 9.6 %
		Y	3.94	68.99	17.12		150.0	
		Z	3.88	69.16	16.95		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	5.14	66.79	17.69	0.00	150.0	± 9.6 %
		Y	5.17	67.07	17.77		150.0	
		Z	5.03	67.03	17.57		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	1.01	70.18	17.23	0.00	150.0	± 9.6 %
		Y	0.84	66.63	14.95		150.0	
		Z	0.86	67.07	15.16		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	122.05	32.10	3.29	80.0	± 9.6 %
		Y	100.00	121.55	31.74		80.0	
		Z	100.00	122.65	32.14		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.61	26.61	3.23	80.0	± 9.6 %
		Y	94.23	109.23	26.02		80.0	
		Z	100.00	110.18	26.15		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	78.75	105.62	24.90	3.23	80.0	± 9.6 %
		Y	29.03	93.62	21.69		80.0	
		Z	35.25	96.07	22.21		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.54	31.26	3.23	80.0	± 9.6 %
		Y	100.00	119.94	30.85		80.0	
		Z	100.00	121.04	31.24		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.25	26.42	3.23	80.0	± 9.6 %
		Y	50.78	101.60	24.13		80.0	
		Z	70.19	105.68	25.02		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	47.84	99.56	23.37	3.23	80.0	± 9.6 %
		Y	19.27	88.73	20.29		80.0	
		Z	23.58	91.30	20.90		80.0	
10467-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.70	31.33	3.23	80.0	± 9.6 %
		Y	100.00	120.11	30.92		80.0	
		Z	100.00	121.21	31.32		80.0	
10468-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.36	26.47	3.23	80.0	± 9.6 %
		Y	58.61	103.38	24.58		80.0	
		Z	81.66	107.55	25.48		80.0	
10469-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	49.33	99.92	23.45	3.23	80.0	± 9.6 %
		Y	19.62	88.94	20.35		80.0	
		Z	24.11	91.56	20.96		80.0	
10470-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.72	31.34	3.23	80.0	± 9.6 %
		Y	100.00	120.13	30.93		80.0	
		Z	100.00	121.23	31.32		80.0	
10471-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.32	26.45	3.23	80.0	± 9.6 %
		Y	58.86	103.40	24.58		80.0	
		Z	82.23	107.60	25.48		80.0	
10472-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	49.97	100.04	23.47	3.23	80.0	± 9.6 %
		Y	19.65	88.94	20.34		80.0	
		Z	24.22	91.59	20.96		80.0	
10473-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	120.70	31.33	3.23	80.0	± 9.6 %
		Y	100.00	120.11	30.91		80.0	
		Z	100.00	121.21	31.31		80.0	
10474-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.33	26.46	3.23	80.0	± 9.6 %
		Y	57.97	103.23	24.54		80.0	
		Z	80.96	107.43	25.44		80.0	
10475-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	49.03	99.83	23.42	3.23	80.0	± 9.6 %
		Y	19.43	88.82	20.31		80.0	
		Z	23.91	91.46	20.92		80.0	

10477-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.21	26.40	3.23	80.0	± 9.6 %
		Y	52.60	101.98	24.20		80.0	
		Z	73.44	106.17	25.12		80.0	
10478-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	48.33	99.64	23.36	3.23	80.0	± 9.6 %
		Y	19.20	88.67	20.26		80.0	
		Z	23.64	91.30	20.88		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	11.17	89.11	24.99	3.23	80.0	± 9.6 %
		Y	9.72	86.78	24.01		80.0	
		Z	11.19	89.29	24.70		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	12.30	86.18	22.71	3.23	80.0	± 9.6 %
		Y	10.82	84.18	21.84		80.0	
		Z	12.05	85.88	22.16		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	11.45	84.51	21.90	3.23	80.0	± 9.6 %
		Y	10.02	82.49	21.00		80.0	
		Z	10.82	83.70	21.17		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.11	78.83	20.21	2.23	80.0	± 9.6 %
		Y	4.96	75.77	18.86		80.0	
		Z	4.90	75.64	18.57		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	8.68	81.26	21.25	2.23	80.0	± 9.6 %
		Y	7.88	79.76	20.50		80.0	
		Z	7.94	79.89	20.29		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	8.31	80.37	20.94	2.23	80.0	± 9.6 %
		Y	7.54	78.89	20.20		80.0	
		Z	7.52	78.88	19.94		80.0	
10485-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.32	79.32	20.87	2.23	80.0	± 9.6 %
		Y	5.23	76.46	19.63		80.0	
		Z	5.24	76.63	19.55		80.0	
10486-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.11	73.35	18.47	2.23	80.0	± 9.6 %
		Y	4.61	71.85	17.68		80.0	
		Z	4.56	71.81	17.45		80.0	
10487-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.09	72.96	18.32	2.23	80.0	± 9.6 %
		Y	4.61	71.53	17.56		80.0	
		Z	4.55	71.46	17.31		80.0	
10488-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.25	77.69	20.57	2.23	80.0	± 9.6 %
		Y	5.40	75.44	19.60		80.0	
		Z	5.42	75.71	19.64		80.0	
10489-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.17	72.45	18.81	2.23	80.0	± 9.6 %
		Y	4.77	71.23	18.18		80.0	
		Z	4.76	71.40	18.15		80.0	
10490-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.22	72.07	18.69	2.23	80.0	± 9.6 %
		Y	4.84	70.95	18.11		80.0	
		Z	4.84	71.14	18.08		80.0	
10491-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.95	75.11	19.68	2.23	80.0	± 9.6 %
		Y	5.36	73.49	18.94		80.0	
		Z	5.37	73.72	18.99		80.0	
10492-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.37	71.35	18.56	2.23	80.0	± 9.6 %
		Y	5.04	70.36	18.04		80.0	
		Z	5.04	70.57	18.06		80.0	

10493-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.42	71.12	18.49	2.23	80.0	± 9.6 %
		Y	5.10	70.19	18.00		80.0	
		Z	5.10	70.40	18.02		80.0	
10494-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.67	77.03	20.20	2.23	80.0	± 9.6 %
		Y	5.89	75.13	19.38		80.0	
		Z	5.87	75.25	19.40		80.0	
10495-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.50	71.99	18.78	2.23	80.0	± 9.6 %
		Y	5.13	70.92	18.24		80.0	
		Z	5.12	71.07	18.25		80.0	
10496-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.52	71.52	18.64	2.23	80.0	± 9.6 %
		Y	5.18	70.54	18.14		80.0	
		Z	5.17	70.71	18.15		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.20	76.63	18.92	2.23	80.0	± 9.6 %
		Y	4.16	73.44	17.44		80.0	
		Z	3.95	72.68	16.81		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.23	71.07	16.05	2.23	80.0	± 9.6 %
		Y	3.57	68.80	14.82		80.0	
		Z	3.29	67.79	14.00		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.21	70.66	15.78	2.23	80.0	± 9.6 %
		Y	3.55	68.42	14.55		80.0	
		Z	3.25	67.34	13.69		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.06	78.01	20.54	2.23	80.0	± 9.6 %
		Y	5.15	75.54	19.46		80.0	
		Z	5.19	75.83	19.46		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.11	72.83	18.54	2.23	80.0	± 9.6 %
		Y	4.66	71.48	17.83		80.0	
		Z	4.64	71.57	17.69		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.13	72.53	18.39	2.23	80.0	± 9.6 %
		Y	4.71	71.27	17.72		80.0	
		Z	4.68	71.36	17.57		80.0	
10503-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.18	77.51	20.49	2.23	80.0	± 9.6 %
		Y	5.34	75.27	19.52		80.0	
		Z	5.37	75.55	19.57		80.0	
10504-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.15	72.39	18.77	2.23	80.0	± 9.6 %
		Y	4.75	71.16	18.14		80.0	
		Z	4.75	71.34	18.11		80.0	
10505-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.19	72.00	18.65	2.23	80.0	± 9.6 %
		Y	4.82	70.87	18.06		80.0	
		Z	4.82	71.07	18.04		80.0	
10506-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.62	76.90	20.14	2.23	80.0	± 9.6 %
		Y	5.85	75.00	19.32		80.0	
		Z	5.83	75.14	19.34		80.0	
10507-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.48	71.94	18.75	2.23	80.0	± 9.6 %
		Y	5.11	70.86	18.21		80.0	
		Z	5.11	71.02	18.22		80.0	

10508-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.50	71.47	18.61	2.23	80.0	± 9.6 %
		Y	5.17	70.49	18.10		80.0	
		Z	5.16	70.66	18.12		80.0	
10509-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.45	74.61	19.28	2.23	80.0	± 9.6 %
		Y	5.91	73.26	18.67		80.0	
		Z	5.88	73.34	18.68		80.0	
10510-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.89	71.35	18.56	2.23	80.0	± 9.6 %
		Y	5.57	70.45	18.11		80.0	
		Z	5.55	70.59	18.13		80.0	
10511-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.88	70.97	18.46	2.23	80.0	± 9.6 %
		Y	5.58	70.13	18.03		80.0	
		Z	5.57	70.28	18.06		80.0	
10512-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.08	76.75	19.94	2.23	80.0	± 9.6 %
		Y	6.33	75.02	19.19		80.0	
		Z	6.29	75.06	19.18		80.0	
10513-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.86	71.94	18.77	2.23	80.0	± 9.6 %
		Y	5.50	70.93	18.27		80.0	
		Z	5.49	71.03	18.28		80.0	
10514-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.78	71.32	18.59	2.23	80.0	± 9.6 %
		Y	5.46	70.40	18.13		80.0	
		Z	5.45	70.53	18.14		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.98	63.62	15.09	0.00	150.0	± 9.6 %
		Y	0.94	62.61	14.14		150.0	
		Z	0.95	62.86	14.24		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.81	76.11	19.82	0.00	150.0	± 9.6 %
		Y	0.51	67.70	15.09		150.0	
		Z	0.54	68.52	15.55		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.86	66.23	16.05	0.00	150.0	± 9.6 %
		Y	0.78	64.24	14.48		150.0	
		Z	0.80	64.56	14.64		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.74	66.88	16.34	0.00	150.0	± 9.6 %
		Y	4.69	66.63	16.14		150.0	
		Z	4.64	66.73	16.14		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.99	67.21	16.50	0.00	150.0	± 9.6 %
		Y	4.92	66.95	16.29		150.0	
		Z	4.86	67.03	16.29		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.83	67.19	16.42	0.00	150.0	± 9.6 %
		Y	4.77	66.92	16.21		150.0	
		Z	4.70	66.99	16.20		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.76	67.20	16.41	0.00	150.0	± 9.6 %
		Y	4.70	66.92	16.19		150.0	
		Z	4.63	66.99	16.18		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.79	67.09	16.40	0.00	150.0	± 9.6 %
		Y	4.73	66.84	16.20		150.0	
		Z	4.68	66.98	16.22		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.67	67.04	16.28	0.00	150.0	± 9.6 %
		Y	4.60	66.76	16.06		150.0	
		Z	4.55	66.86	16.07		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.75	67.08	16.41	0.00	150.0	± 9.6 %
		Y	4.69	66.83	16.20		150.0	
		Z	4.63	66.94	16.21		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.69	66.11	15.99	0.00	150.0	± 9.6 %
		Y	4.63	65.84	15.78		150.0	
		Z	4.59	65.95	15.79		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.91	66.53	16.14	0.00	150.0	± 9.6 %
		Y	4.85	66.26	15.93		150.0	
		Z	4.79	66.36	15.94		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.83	66.52	16.10	0.00	150.0	± 9.6 %
		Y	4.76	66.23	15.88		150.0	
		Z	4.70	66.32	15.88		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.85	66.54	16.14	0.00	150.0	± 9.6 %
		Y	4.78	66.26	15.92		150.0	
		Z	4.72	66.35	15.92		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.85	66.54	16.14	0.00	150.0	± 9.6 %
		Y	4.78	66.26	15.92		150.0	
		Z	4.72	66.35	15.92		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.87	66.71	16.17	0.00	150.0	± 9.6 %
		Y	4.80	66.41	15.94		150.0	
		Z	4.73	66.49	15.94		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.72	66.60	16.13	0.00	150.0	± 9.6 %
		Y	4.64	66.28	15.89		150.0	
		Z	4.58	66.34	15.88		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.86	66.55	16.11	0.00	150.0	± 9.6 %
		Y	4.79	66.27	15.89		150.0	
		Z	4.73	66.36	15.90		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.35	66.74	16.19	0.00	150.0	± 9.6 %
		Y	5.30	66.49	16.01		150.0	
		Z	5.24	66.53	16.00		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.43	66.88	16.24	0.00	150.0	± 9.6 %
		Y	5.37	66.63	16.06		150.0	
		Z	5.31	66.67	16.05		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.29	66.86	16.22	0.00	150.0	± 9.6 %
		Y	5.23	66.60	16.03		150.0	
		Z	5.18	66.65	16.02		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.36	66.83	16.21	0.00	150.0	± 9.6 %
		Y	5.30	66.58	16.02		150.0	
		Z	5.24	66.64	16.02		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.49	66.94	16.31	0.00	150.0	± 9.6 %
		Y	5.43	66.69	16.12		150.0	
		Z	5.36	66.72	16.11		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.37	66.86	16.28	0.00	150.0	± 9.6 %
		Y	5.31	66.60	16.09		150.0	
		Z	5.26	66.66	16.09		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.37	66.83	16.27	0.00	150.0	± 9.6 %
		Y	5.31	66.55	16.07		150.0	
		Z	5.24	66.56	16.04		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.51	66.80	16.27	0.00	150.0	± 9.6 %
		Y	5.45	66.56	16.09		150.0	
		Z	5.39	66.62	16.08		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.61	66.84	16.30	0.00	150.0	± 9.6 %
		Y	5.54	66.58	16.11		150.0	
		Z	5.48	66.63	16.11		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.61	66.83	16.17	0.00	150.0	± 9.6 %
		Y	5.56	66.59	15.99		150.0	
		Z	5.52	66.64	15.99		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.83	67.22	16.29	0.00	150.0	± 9.6 %
		Y	5.78	67.01	16.14		150.0	
		Z	5.73	67.07	16.14		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.73	67.15	16.28	0.00	150.0	± 9.6 %
		Y	5.67	66.90	16.11		150.0	
		Z	5.62	66.93	16.09		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.83	67.25	16.32	0.00	150.0	± 9.6 %
		Y	5.77	66.99	16.14		150.0	
		Z	5.70	67.00	16.12		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	6.16	68.40	16.87	0.00	150.0	± 9.6 %
		Y	6.13	68.23	16.73		150.0	
		Z	6.04	68.18	16.69		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.74	67.08	16.25	0.00	150.0	± 9.6 %
		Y	5.69	66.84	16.08		150.0	
		Z	5.63	66.88	16.07		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.77	67.22	16.28	0.00	150.0	± 9.6 %
		Y	5.72	66.98	16.11		150.0	
		Z	5.65	66.98	16.08		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.66	66.96	16.18	0.00	150.0	± 9.6 %
		Y	5.61	66.71	16.00		150.0	
		Z	5.55	66.73	15.97		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.76	66.99	16.21	0.00	150.0	± 9.6 %
		Y	5.70	66.75	16.04		150.0	
		Z	5.65	66.79	16.03		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	6.01	67.22	16.27	0.00	150.0	± 9.6 %
		Y	5.96	67.00	16.11		150.0	
		Z	5.92	67.04	16.09		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.19	67.64	16.44	0.00	150.0	± 9.6 %
		Y	6.14	67.39	16.27		150.0	
		Z	6.07	67.38	16.24		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.18	67.58	16.41	0.00	150.0	± 9.6 %
		Y	6.13	67.35	16.25		150.0	
		Z	6.08	67.39	16.24		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.18	67.59	16.44	0.00	150.0	± 9.6 %
		Y	6.13	67.35	16.27		150.0	
		Z	6.07	67.36	16.25		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.25	67.80	16.56	0.00	150.0	± 9.6 %
		Y	6.20	67.56	16.39		150.0	
		Z	6.13	67.56	16.36		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.25	67.63	16.51	0.00	150.0	± 9.6 %
		Y	6.19	67.37	16.33		150.0	
		Z	6.12	67.38	16.31		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	6.15	67.57	16.52	0.00	150.0	± 9.6 %
		Y	6.09	67.32	16.35		150.0	
		Z	6.04	67.34	16.33		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.33	68.13	16.81	0.00	150.0	± 9.6 %
		Y	6.28	67.89	16.63		150.0	
		Z	6.20	67.86	16.59		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.57	68.37	16.87	0.00	150.0	± 9.6 %
		Y	6.55	68.21	16.74		150.0	
		Z	6.52	68.35	16.79		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	5.09	67.05	16.56	0.46	150.0	± 9.6 %
		Y	5.04	66.80	16.35		150.0	
		Z	4.99	66.92	16.37		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	5.37	67.55	16.88	0.46	150.0	± 9.6 %
		Y	5.31	67.30	16.68		150.0	
		Z	5.24	67.38	16.68		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	5.20	67.44	16.72	0.46	150.0	± 9.6 %
		Y	5.14	67.17	16.51		150.0	
		Z	5.08	67.26	16.52		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	5.22	67.76	17.01	0.46	150.0	± 9.6 %
		Y	5.16	67.53	16.82		150.0	
		Z	5.09	67.58	16.80		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	5.11	67.15	16.48	0.46	150.0	± 9.6 %
		Y	5.05	66.88	16.25		150.0	
		Z	5.00	67.04	16.31		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	5.15	67.74	17.00	0.46	150.0	± 9.6 %
		Y	5.09	67.52	16.83		150.0	
		Z	5.03	67.57	16.81		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	5.20	67.58	16.95	0.46	150.0	± 9.6 %
		Y	5.14	67.36	16.77		150.0	
		Z	5.08	67.46	16.78		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.41	66.77	16.75	0.46	130.0	± 9.6 %
		Y	1.31	65.36	15.71		130.0	
		Z	1.33	65.68	15.83		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.44	67.46	17.13	0.46	130.0	± 9.6 %
		Y	1.33	65.94	16.04		130.0	
		Z	1.35	66.24	16.15		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	14.90	112.90	30.59	0.46	130.0	± 9.6 %
		Y	2.52	84.17	21.53		130.0	
		Z	2.93	86.36	22.30		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.82	75.10	20.54	0.46	130.0	± 9.6 %
		Y	1.52	71.65	18.64		130.0	
		Z	1.54	71.84	18.68		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.91	66.92	16.66	0.46	130.0	± 9.6 %
		Y	4.86	66.67	16.45		130.0	
		Z	4.81	66.80	16.47		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.94	67.06	16.71	0.46	130.0	± 9.6 %
		Y	4.88	66.82	16.51		130.0	
		Z	4.84	66.94	16.52		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	5.19	67.42	16.90	0.46	130.0	± 9.6 %
		Y	5.13	67.18	16.70		130.0	
		Z	5.07	67.27	16.70		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	5.08	67.57	16.97	0.46	130.0	± 9.6 %
		Y	5.02	67.33	16.78		130.0	
		Z	4.96	67.40	16.77		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.88	67.07	16.43	0.46	130.0	± 9.6 %
		Y	4.81	66.76	16.18		130.0	
		Z	4.75	66.88	16.21		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.92	67.00	16.41	0.46	130.0	± 9.6 %
		Y	4.85	66.70	16.17		130.0	
		Z	4.80	66.86	16.22		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	5.00	67.69	16.94	0.46	130.0	± 9.6 %
		Y	4.93	67.42	16.74		130.0	
		Z	4.86	67.47	16.72		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.84	66.84	16.26	0.46	130.0	± 9.6 %
		Y	4.77	66.51	15.99		130.0	
		Z	4.71	66.67	16.04		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.91	66.92	16.66	0.46	130.0	± 9.6 %
		Y	4.86	66.67	16.45		130.0	
		Z	4.81	66.80	16.47		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.94	67.06	16.71	0.46	130.0	± 9.6 %
		Y	4.88	66.82	16.51		130.0	
		Z	4.84	66.94	16.52		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	5.19	67.42	16.90	0.46	130.0	± 9.6 %
		Y	5.13	67.18	16.70		130.0	
		Z	5.07	67.27	16.70		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	5.08	67.57	16.97	0.46	130.0	± 9.6 %
		Y	5.02	67.33	16.78		130.0	
		Z	4.96	67.40	16.77		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.88	67.07	16.43	0.46	130.0	± 9.6 %
		Y	4.81	66.76	16.18		130.0	
		Z	4.75	66.88	16.21		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.92	67.00	16.41	0.46	130.0	± 9.6 %
		Y	4.85	66.70	16.17		130.0	
		Z	4.80	66.86	16.22		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	5.00	67.69	16.94	0.46	130.0	± 9.6 %
		Y	4.93	67.42	16.74		130.0	
		Z	4.86	67.47	16.72		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.84	66.84	16.26	0.46	130.0	± 9.6 %
		Y	4.77	66.51	15.99		130.0	
		Z	4.71	66.67	16.04		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	5.06	66.96	16.74	0.46	130.0	± 9.6 %
		Y	5.01	66.74	16.55		130.0	
		Z	4.96	66.85	16.56		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.25	67.31	16.85	0.46	130.0	± 9.6 %
		Y	5.19	67.08	16.67		130.0	
		Z	5.13	67.19	16.68		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.19	67.30	16.79	0.46	130.0	± 9.6 %
		Y	5.13	67.05	16.59		130.0	
		Z	5.07	67.15	16.60		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	5.23	67.42	16.90	0.46	130.0	± 9.6 %
		Y	5.17	67.18	16.71		130.0	
		Z	5.11	67.28	16.72		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	5.22	67.43	16.83	0.46	130.0	± 9.6 %
		Y	5.16	67.17	16.63		130.0	
		Z	5.09	67.26	16.64		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	5.15	67.41	16.83	0.46	130.0	± 9.6 %
		Y	5.09	67.15	16.62		130.0	
		Z	5.03	67.27	16.64		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	5.11	67.38	16.76	0.46	130.0	± 9.6 %
		Y	5.04	67.11	16.54		130.0	
		Z	4.98	67.21	16.55		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	5.09	67.62	17.00	0.46	130.0	± 9.6 %
		Y	5.02	67.35	16.79		130.0	
		Z	4.96	67.41	16.78		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.73	67.62	16.94	0.46	130.0	± 9.6 %
		Y	5.68	67.40	16.77		130.0	
		Z	5.63	67.48	16.78		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	6.00	68.43	17.33	0.46	130.0	± 9.6 %
		Y	5.96	68.23	17.16		130.0	
		Z	5.85	68.13	17.09		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.81	67.92	17.08	0.46	130.0	± 9.6 %
		Y	5.76	67.71	16.91		130.0	
		Z	5.69	67.73	16.90		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.94	68.04	17.07	0.46	130.0	± 9.6 %
		Y	5.88	67.79	16.88		130.0	
		Z	5.78	67.75	16.84		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	6.05	68.39	17.36	0.46	130.0	± 9.6 %
		Y	5.99	68.16	17.18		130.0	
		Z	5.87	68.05	17.10		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.75	67.62	16.96	0.46	130.0	± 9.6 %
		Y	5.70	67.40	16.79		130.0	
		Z	5.64	67.44	16.79		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.86	67.93	17.13	0.46	130.0	± 9.6 %
		Y	5.81	67.71	16.95		130.0	
		Z	5.75	67.77	16.96		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.62	67.39	16.73	0.46	130.0	± 9.6 %
		Y	5.58	67.18	16.56		130.0	
		Z	5.52	67.25	16.58		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.88	66.23	16.33	0.46	130.0	± 9.6 %
		Y	4.82	65.98	16.13		130.0	
		Z	4.78	66.10	16.14		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	5.11	66.66	16.48	0.46	130.0	± 9.6 %
		Y	5.05	66.41	16.29		130.0	
		Z	4.99	66.52	16.30		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	5.01	66.58	16.37	0.46	130.0	± 9.6 %
		Y	4.94	66.31	16.16		130.0	
		Z	4.89	66.41	16.17		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	5.06	66.72	16.51	0.46	130.0	± 9.6 %
		Y	4.99	66.46	16.31		130.0	
		Z	4.94	66.55	16.32		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.99	66.60	16.40	0.46	130.0	± 9.6 %
		Y	4.92	66.32	16.19		130.0	
		Z	4.86	66.40	16.19		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	5.01	66.73	16.43	0.46	130.0	± 9.6 %
		Y	4.94	66.45	16.21		130.0	
		Z	4.88	66.56	16.23		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	5.03	66.69	16.36	0.46	130.0	± 9.6 %
		Y	4.96	66.39	16.13		130.0	
		Z	4.90	66.50	16.15		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.95	66.85	16.56	0.46	130.0	± 9.6 %
		Y	4.88	66.56	16.35		130.0	
		Z	4.82	66.62	16.33		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	5.00	66.42	16.20	0.46	130.0	± 9.6 %
		Y	4.93	66.13	15.97		130.0	
		Z	4.87	66.26	16.00		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.54	66.86	16.53	0.46	130.0	± 9.6 %
		Y	5.49	66.62	16.36		130.0	
		Z	5.43	66.68	16.35		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.61	66.97	16.56	0.46	130.0	± 9.6 %
		Y	5.56	66.74	16.38		130.0	
		Z	5.49	66.78	16.38		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.50	67.03	16.60	0.46	130.0	± 9.6 %
		Y	5.44	66.79	16.42		130.0	
		Z	5.39	66.84	16.42		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.52	66.85	16.45	0.46	130.0	± 9.6 %
		Y	5.47	66.61	16.27		130.0	
		Z	5.41	66.69	16.29		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.67	67.04	16.60	0.46	130.0	± 9.6 %
		Y	5.61	66.78	16.41		130.0	
		Z	5.54	66.82	16.40		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.62	67.03	16.69	0.46	130.0	± 9.6 %
		Y	5.56	66.80	16.53		130.0	
		Z	5.50	66.82	16.50		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.61	67.13	16.74	0.46	130.0	± 9.6 %
		Y	5.56	66.90	16.57		130.0	
		Z	5.50	66.94	16.56		130.0	

10623-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.54	66.86	16.51	0.46	130.0	± 9.6 %
		Y	5.47	66.57	16.30		130.0	
		Z	5.40	66.58	16.27		130.0	
10624-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.69	66.89	16.58	0.46	130.0	± 9.6 %
		Y	5.64	66.67	16.41		130.0	
		Z	5.58	66.74	16.41		130.0	
10625-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.04	67.74	17.05	0.46	130.0	± 9.6 %
		Y	6.03	67.66	16.95		130.0	
		Z	6.00	67.84	17.02		130.0	
10626-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.78	66.87	16.46	0.46	130.0	± 9.6 %
		Y	5.73	66.65	16.29		130.0	
		Z	5.69	66.71	16.29		130.0	
10627-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	6.04	67.38	16.65	0.46	130.0	± 9.6 %
		Y	6.00	67.21	16.52		130.0	
		Z	5.95	67.28	16.53		130.0	
10628-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.87	67.10	16.47	0.46	130.0	± 9.6 %
		Y	5.81	66.87	16.29		130.0	
		Z	5.76	66.92	16.30		130.0	
10629-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.98	67.25	16.53	0.46	130.0	± 9.6 %
		Y	5.92	67.00	16.35		130.0	
		Z	5.85	66.99	16.32		130.0	
10630-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.60	69.22	17.52	0.46	130.0	± 9.6 %
		Y	6.58	69.06	17.38		130.0	
		Z	6.45	68.96	17.32		130.0	
10631-AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.44	68.80	17.48	0.46	130.0	± 9.6 %
		Y	6.38	68.59	17.32		130.0	
		Z	6.26	68.46	17.23		130.0	
10632-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	6.03	67.50	16.84	0.46	130.0	± 9.6 %
		Y	5.98	67.30	16.70		130.0	
		Z	5.91	67.29	16.66		130.0	
10633-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	6.01	67.47	16.67	0.46	130.0	± 9.6 %
		Y	5.95	67.22	16.50		130.0	
		Z	5.86	67.16	16.44		130.0	
10634-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.97	67.40	16.69	0.46	130.0	± 9.6 %
		Y	5.91	67.16	16.53		130.0	
		Z	5.82	67.10	16.46		130.0	
10635-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.85	66.78	16.15	0.46	130.0	± 9.6 %
		Y	5.79	66.49	15.94		130.0	
		Z	5.73	66.56	15.97		130.0	
10636-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.18	67.27	16.56	0.46	130.0	± 9.6 %
		Y	6.14	67.07	16.41		130.0	
		Z	6.10	67.11	16.40		130.0	
10637-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.39	67.76	16.78	0.46	130.0	± 9.6 %
		Y	6.34	67.53	16.61		130.0	
		Z	6.27	67.52	16.58		130.0	
10638-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.36	67.63	16.69	0.46	130.0	± 9.6 %
		Y	6.32	67.44	16.54		130.0	
		Z	6.27	67.48	16.55		130.0	

10639-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.38	67.71	16.77	0.46	130.0	± 9.6 %
		Y	6.33	67.49	16.62		130.0	
		Z	6.27	67.50	16.60		130.0	
10640-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.43	67.85	16.80	0.46	130.0	± 9.6 %
		Y	6.38	67.63	16.63		130.0	
		Z	6.31	67.62	16.61		130.0	
10641-AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.40	67.53	16.65	0.46	130.0	± 9.6 %
		Y	6.35	67.30	16.49		130.0	
		Z	6.29	67.34	16.48		130.0	
10642-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.48	67.86	16.97	0.46	130.0	± 9.6 %
		Y	6.42	67.63	16.81		130.0	
		Z	6.35	67.61	16.77		130.0	
10643-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.31	67.58	16.75	0.46	130.0	± 9.6 %
		Y	6.25	67.34	16.57		130.0	
		Z	6.19	67.36	16.56		130.0	
10644-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.58	68.40	17.19	0.46	130.0	± 9.6 %
		Y	6.53	68.15	17.01		130.0	
		Z	6.43	68.09	16.96		130.0	
10645-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.81	68.60	17.23	0.46	130.0	± 9.6 %
		Y	6.79	68.43	17.09		130.0	
		Z	6.78	68.63	17.18		130.0	
10646-AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	25.15	105.85	35.05	9.30	60.0	± 9.6 %
		Y	21.75	102.80	33.96		60.0	
		Z	30.08	111.30	36.91		60.0	
10647-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	26.44	107.75	35.76	9.30	60.0	± 9.6 %
		Y	22.30	104.09	34.48		60.0	
		Z	32.07	113.59	37.73		60.0	
10648-AAA	CDMA2000 (1x Advanced)	X	0.88	65.58	12.85	0.00	150.0	± 9.6 %
		Y	0.76	63.51	11.26		150.0	
		Z	0.73	63.36	10.94		150.0	
10652-AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	4.67	68.94	17.67	2.23	80.0	± 9.6 %
		Y	4.45	68.16	17.20		80.0	
		Z	4.45	68.41	17.21		80.0	
10653-AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	5.13	68.26	17.69	2.23	80.0	± 9.6 %
		Y	4.94	67.62	17.31		80.0	
		Z	4.95	67.85	17.35		80.0	
10654-AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	5.04	67.95	17.68	2.23	80.0	± 9.6 %
		Y	4.86	67.32	17.30		80.0	
		Z	4.89	67.55	17.36		80.0	
10655-AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	5.09	68.03	17.74	2.23	80.0	± 9.6 %
		Y	4.92	67.39	17.35		80.0	
		Z	4.94	67.61	17.41		80.0	
10658-AAA	Pulse Waveform (200Hz, 10%)	X	11.06	82.99	22.61	10.00	50.0	± 9.6 %
		Y	11.23	83.63	22.75		50.0	
		Z	10.79	82.81	22.39		50.0	
10659-AAA	Pulse Waveform (200Hz, 20%)	X	18.52	92.74	24.40	6.99	60.0	± 9.6 %
		Y	20.18	94.23	24.71		60.0	
		Z	17.35	91.74	23.89		60.0	

10660-AAA	Pulse Waveform (200Hz, 40%)	X	100.00	116.44	28.66	3.98	80.0	± 9.6 %
		Y	100.00	115.80	28.20		80.0	
		Z	100.00	115.68	28.17		80.0	
10661-AAA	Pulse Waveform (200Hz, 60%)	X	100.00	117.14	27.43	2.22	100.0	± 9.6 %
		Y	100.00	115.35	26.46		100.0	
		Z	100.00	115.50	26.56		100.0	
10662-AAA	Pulse Waveform (200Hz, 80%)	X	100.00	121.39	27.21	0.97	120.0	± 9.6 %
		Y	100.00	115.32	24.49		120.0	
		Z	100.00	116.43	25.01		120.0	

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

Calibration Laboratory of
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Accreditation No.: SCS 0108

Client PC Test

Certificate No: ES3-3275_Apr18

CALIBRATION CERTIFICATE

Object: ES3DV3 - SN:3275

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

SCV 4/26/2018

Calibration date: April 12, 2018

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

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

Calibration Equipment used (M&TE critical for calibration)

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

	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	

Issued: April 14, 2018

Calibration Laboratory of
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Zeughausstrasse 43, 8004 Zurich, Switzerland

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Accreditation No.: SCS 0108

Glossary:

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

Probe ES3DV3

SN:3275

Manufactured: February 25, 2010
Calibrated: April 12, 2018

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3275

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm ($\mu V/(V/m)^2$)[A]	1.30	1.12	1.19	± 10.1 %
DCP (mV)[B]	106.5	106.3	107.8	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Unc[E] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	211.6	±3.3 %
		Y	0.0	0.0	1.0		202.8	
		Z	0.0	0.0	1.0		212.4	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V^{-1}	T1 $ms.V^{-2}$	T2 $ms.V^{-1}$	T3 ms	T4 V^{-2}	T5 V^{-1}	T6
X	47.39	333.3	34.06	27.31	1.692	5.10	0.785	0.383	1.01
Y	60.06	422.6	34.22	29.68	3.227	5.10	1.009	0.485	1.01
Z	52.40	372.5	34.74	28.40	1.978	5.10	0.709	0.438	1.01

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

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3275

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	41.9	0.89	6.56	6.56	6.56	0.80	1.12	± 12.0 %
835	41.5	0.90	6.28	6.28	6.28	0.76	1.19	± 12.0 %
1750	40.1	1.37	5.52	5.52	5.52	0.80	1.19	± 12.0 %
1900	40.0	1.40	5.33	5.33	5.33	0.63	1.39	± 12.0 %
2300	39.5	1.67	5.02	5.02	5.02	0.80	1.25	± 12.0 %
2450	39.2	1.80	4.74	4.74	4.74	0.64	1.41	± 12.0 %
2600	39.0	1.96	4.58	4.58	4.58	0.72	1.37	± 12.0 %

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

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

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3275

Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) [C]	Relative Permittivity [F]	Conductivity (S/m) [F]	ConvF X	ConvF Y	ConvF Z	Alpha [G]	Depth [G] (mm)	Unc (k=2)
750	55.5	0.96	6.34	6.34	6.34	0.80	1.14	± 12.0 %
835	55.2	0.97	6.16	6.16	6.16	0.80	1.15	± 12.0 %
1750	53.4	1.49	5.08	5.08	5.08	0.62	1.38	± 12.0 %
1900	53.3	1.52	4.85	4.85	4.85	0.61	1.46	± 12.0 %
2300	52.9	1.81	4.66	4.66	4.66	0.80	1.38	± 12.0 %
2450	52.7	1.95	4.57	4.57	4.57	0.80	1.38	± 12.0 %
2600	52.5	2.16	4.47	4.47	4.47	0.80	1.30	± 12.0 %

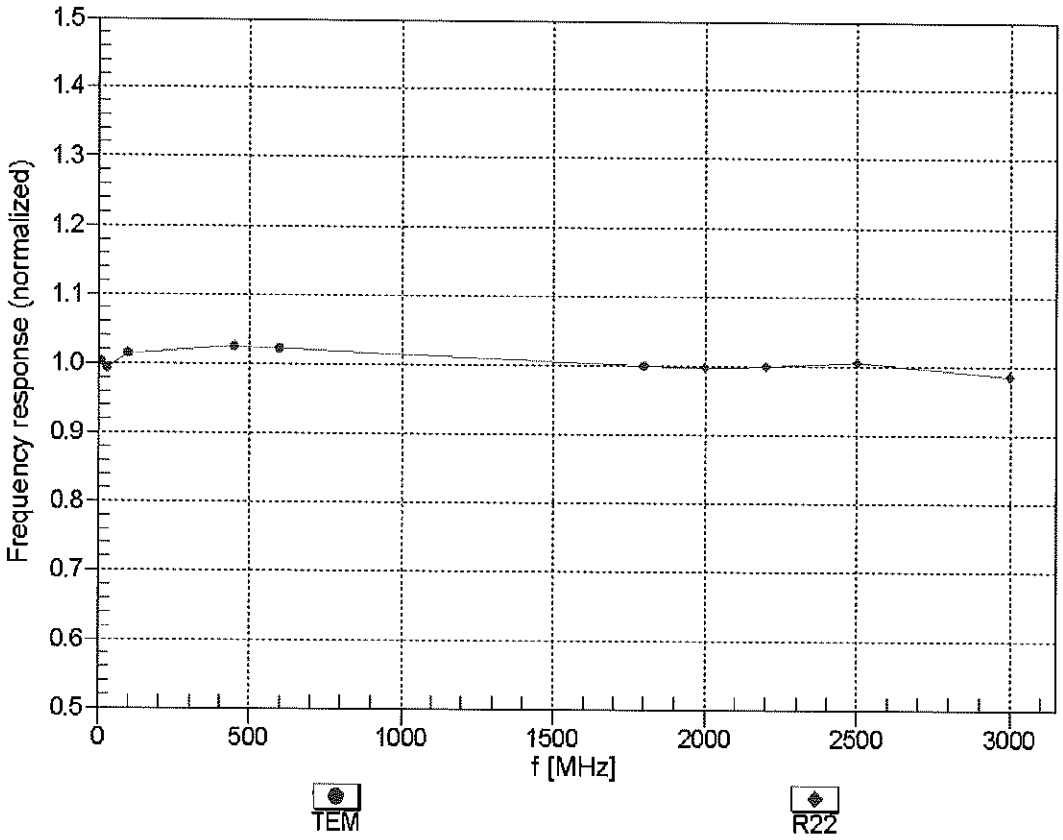
[C] Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz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

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

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

Frequency Response of E-Field

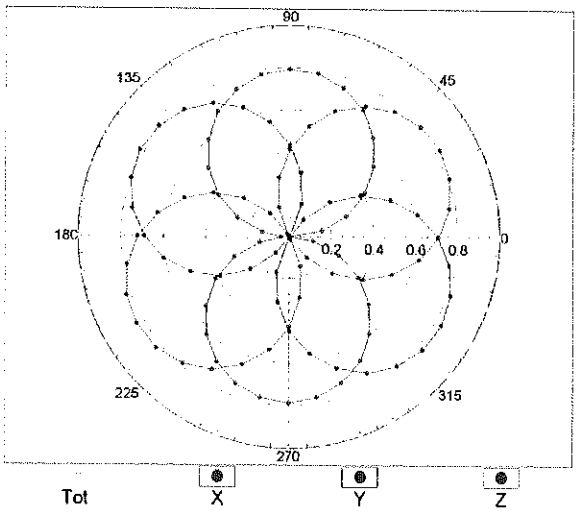
(TEM-Cell:ifi110 EXX, Waveguide: R22)



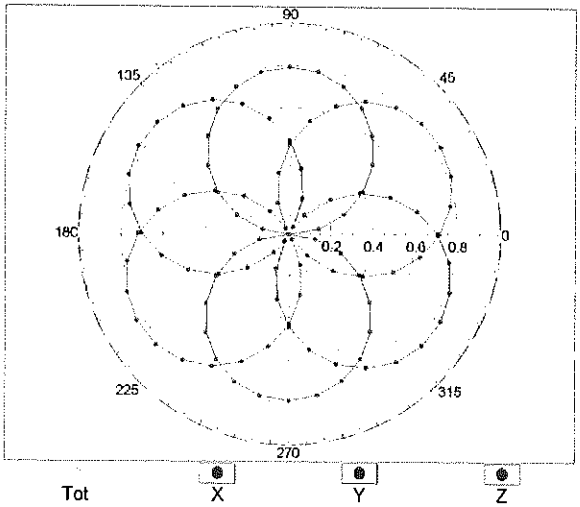
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

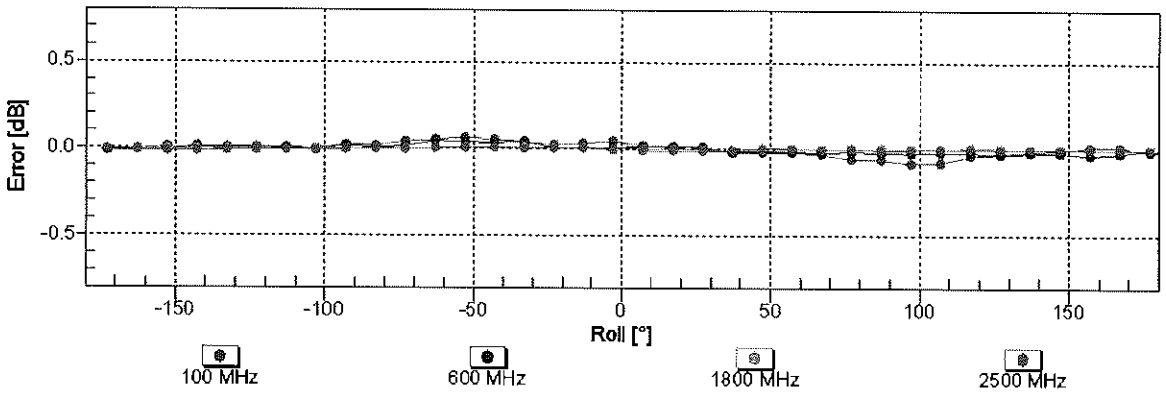
Receiving Pattern (ϕ), ϑ = 0°

f=600 MHz,TEM



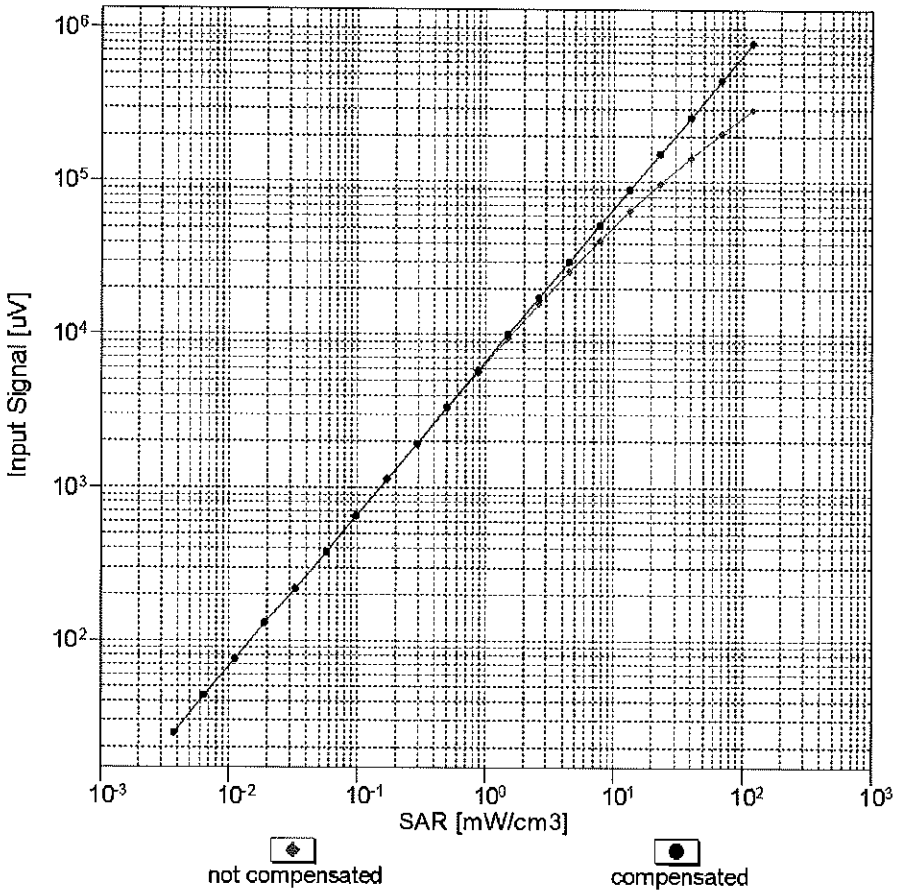
f=1800 MHz,R22

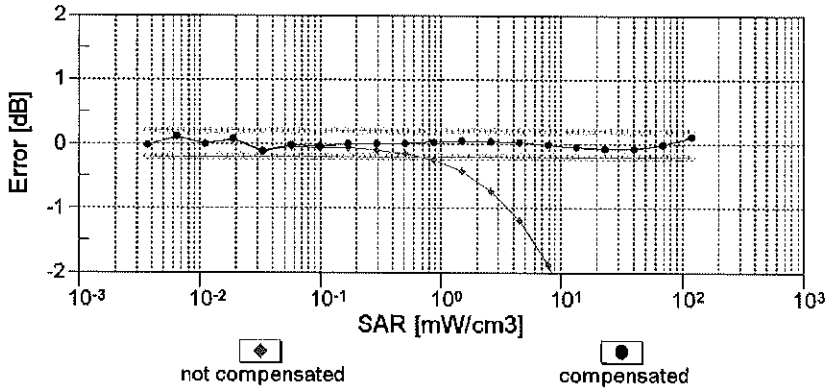




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

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

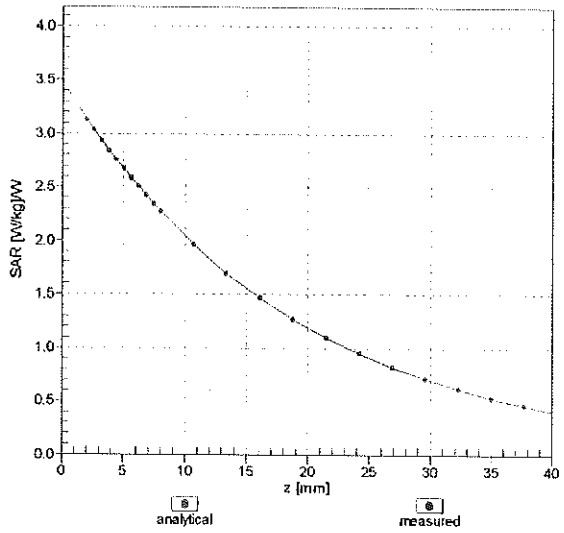




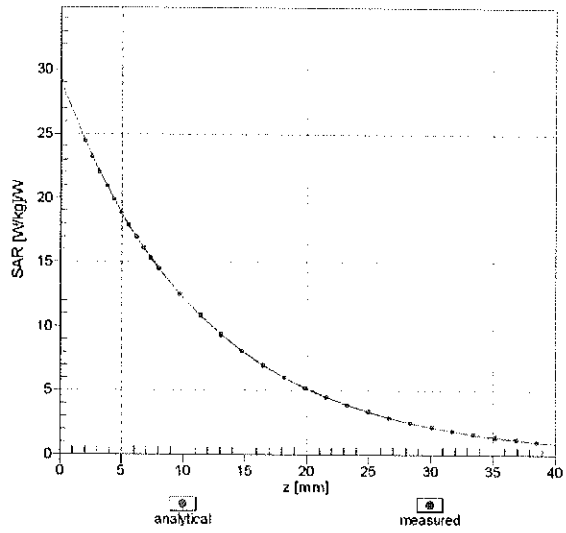
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment

f = 835 MHz,WGLS R9 (H_convF)

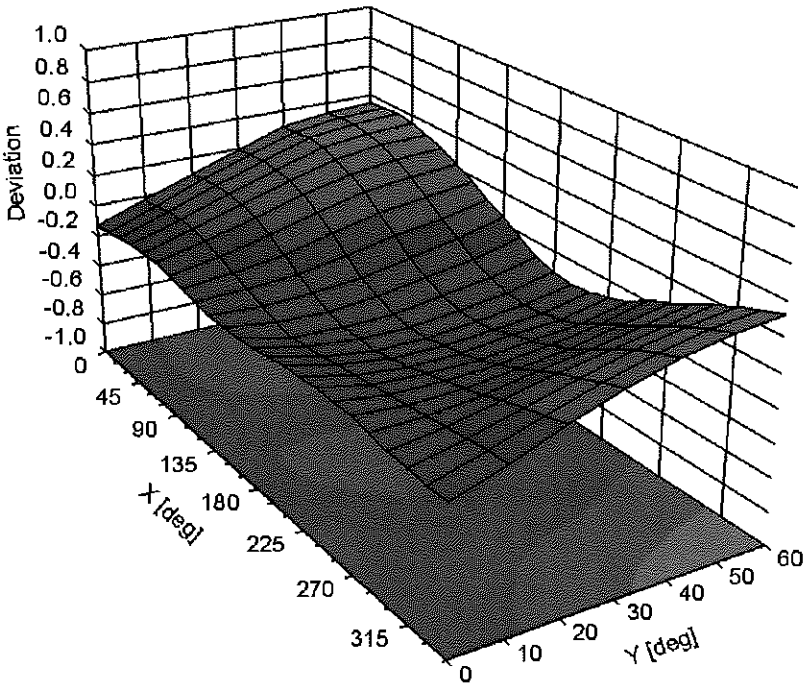


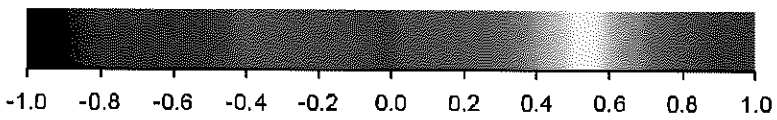
f = 1900 MHz,WGLS R22 (H_convF)



Deviation from Isotropy in Liquid

Error (ϕ, ϑ), f = 900 MHz





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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3275

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-2.8
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Max Unc^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	211.6	± 3.3 %
		Y	0.00	0.00	1.00		202.8	
		Z	0.00	0.00	1.00		212.4	
10010-CAA	SAR Validation (Square, 100ms, 10ms)	X	8.10	79.10	17.81	10.00	25.0	± 9.6 %
		Y	8.98	80.10	19.70		25.0	
		Z	8.37	79.48	18.27		25.0	
10011-CAB	UMTS-FDD (WCDMA)	X	0.88	65.06	13.38	0.00	150.0	± 9.6 %
		Y	1.07	67.99	15.47		150.0	
		Z	0.93	65.71	13.90		150.0	
10012-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.21	64.06	14.74	0.41	150.0	± 9.6 %
		Y	1.31	65.35	15.86		150.0	
		Z	1.23	64.32	15.05		150.0	
10013-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.96	67.12	17.13	1.46	150.0	± 9.6 %
		Y	5.16	67.34	17.40		150.0	
		Z	5.03	67.12	17.22		150.0	
10021-DAC	GSM-FDD (TDMA, GMSK)	X	100.00	119.32	31.53	9.39	50.0	± 9.6 %
		Y	15.84	90.94	25.21		50.0	
		Z	61.29	112.41	30.22		50.0	
10023-DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	77.79	115.43	30.62	9.57	50.0	± 9.6 %
		Y	14.80	89.62	24.82		50.0	
		Z	43.92	107.10	28.86		50.0	
10024-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	115.73	28.71	6.56	60.0	± 9.6 %
		Y	58.69	111.44	29.41		60.0	
		Z	100.00	116.52	29.27		60.0	
10025-DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	17.13	105.61	40.29	12.57	50.0	± 9.6 %
		Y	18.87	104.10	39.34		50.0	
		Z	17.63	105.48	40.14		50.0	
10026-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	20.83	106.25	36.55	9.56	60.0	± 9.6 %
		Y	18.80	100.85	34.58		60.0	
		Z	20.73	105.43	36.25		60.0	
10027-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	114.30	27.22	4.80	80.0	± 9.6 %
		Y	100.00	118.06	29.74		80.0	
		Z	100.00	115.07	27.73		80.0	
10028-DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	113.86	26.28	3.55	100.0	± 9.6 %
		Y	100.00	117.89	28.79		100.0	
		Z	100.00	114.66	26.78		100.0	
10029-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	12.40	94.17	31.28	7.80	80.0	± 9.6 %
		Y	13.55	93.90	31.08		80.0	
		Z	12.90	94.54	31.40		80.0	
10030-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	113.83	27.31	5.30	70.0	± 9.6 %
		Y	100.00	117.88	30.01		70.0	
		Z	100.00	114.71	27.89		70.0	
10031-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	111.82	23.95	1.88	100.0	± 9.6 %
		Y	100.00	118.45	27.41		100.0	
		Z	100.00	113.17	24.65		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	112.20	23.12	1.17	100.0	± 9.6 %
		Y	100.00	121.81	27.68		100.0	
		Z	100.00	114.11	24.02		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	21.07	98.64	26.38	5.30	70.0	± 9.6 %
		Y	14.09	92.25	25.41		70.0	
		Z	20.45	98.58	26.72		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	5.23	81.12	19.05	1.88	100.0	± 9.6 %
		Y	7.04	85.97	21.84		100.0	
		Z	5.81	82.96	20.11		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	2.87	74.72	16.38	1.17	100.0	± 9.6 %
		Y	4.21	80.36	19.64		100.0	
		Z	3.19	76.34	17.44		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	28.09	103.31	27.76	5.30	70.0	± 9.6 %
		Y	16.17	94.70	26.25		70.0	
		Z	26.60	102.95	28.04		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	4.90	80.29	18.73	1.88	100.0	± 9.6 %
		Y	6.80	85.50	21.65		100.0	
		Z	5.49	82.23	19.83		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	2.93	75.19	16.66	1.17	100.0	± 9.6 %
		Y	4.35	81.05	19.97		100.0	
		Z	3.27	76.90	17.74		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	1.31	67.49	13.02	0.00	150.0	± 9.6 %
		Y	1.95	72.25	16.31		150.0	
		Z	1.50	68.83	14.08		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	100.00	114.49	28.35	7.78	50.0	± 9.6 %
		Y	27.19	98.62	25.96		50.0	
		Z	100.00	115.37	28.96		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	111.31	1.40	0.00	150.0	± 9.6 %
		Y	0.00	103.37	3.11		150.0	
		Z	0.00	110.12	0.15		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	21.05	95.06	26.86	13.80	25.0	± 9.6 %
		Y	10.74	81.59	23.78		25.0	
		Z	16.51	90.77	25.87		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	26.53	98.80	26.58	10.79	40.0	± 9.6 %
		Y	12.09	85.40	23.77		40.0	
		Z	20.58	94.89	25.77		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	17.62	93.32	25.83	9.03	50.0	± 9.6 %
		Y	12.02	85.58	24.15		50.0	
		Z	16.01	91.64	25.58		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	8.71	87.03	27.93	6.55	100.0	± 9.6 %
		Y	10.25	88.69	28.50		100.0	
		Z	9.17	87.70	28.19		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.34	65.88	15.66	0.61	110.0	± 9.6 %
		Y	1.51	67.63	16.95		110.0	
		Z	1.38	66.26	16.01		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	29.91	111.02	27.96	1.30	110.0	± 9.6 %
		Y	100.00	129.73	33.11		110.0	
		Z	59.24	120.81	30.46		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	7.26	90.44	24.60	2.04	110.0	± 9.6 %
		Y	9.89	94.72	26.32		110.0	
		Z	8.15	92.24	25.31		110.0	
10062-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.68	66.84	16.38	0.49	100.0	± 9.6 %
		Y	4.87	67.06	16.67		100.0	
		Z	4.75	66.85	16.49		100.0	
10063-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.71	66.99	16.52	0.72	100.0	± 9.6 %
		Y	4.91	67.23	16.82		100.0	
		Z	4.79	67.01	16.62		100.0	
10064-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.01	67.29	16.78	0.86	100.0	± 9.6 %
		Y	5.25	67.57	17.09		100.0	
		Z	5.10	67.33	16.89		100.0	
10065-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.92	67.31	16.94	1.21	100.0	± 9.6 %
		Y	5.16	67.64	17.27		100.0	
		Z	5.01	67.35	17.06		100.0	
10066-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.97	67.44	17.17	1.46	100.0	± 9.6 %
		Y	5.23	67.79	17.51		100.0	
		Z	5.06	67.48	17.28		100.0	
10067-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.30	67.71	17.69	2.04	100.0	± 9.6 %
		Y	5.56	67.97	17.98		100.0	
		Z	5.38	67.70	17.77		100.0	
10068-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.40	67.92	18.00	2.55	100.0	± 9.6 %
		Y	5.72	68.38	18.38		100.0	
		Z	5.50	67.99	18.12		100.0	
10069-CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.48	67.95	18.21	2.67	100.0	± 9.6 %
		Y	5.80	68.33	18.57		100.0	
		Z	5.58	67.97	18.31		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.10	67.35	17.51	1.99	100.0	± 9.6 %
		Y	5.32	67.61	17.81		100.0	
		Z	5.17	67.35	17.60		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.14	67.84	17.82	2.30	100.0	± 9.6 %
		Y	5.41	68.22	18.15		100.0	
		Z	5.22	67.87	17.91		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.27	68.20	18.25	2.83	100.0	± 9.6 %
		Y	5.56	68.62	18.60		100.0	
		Z	5.35	68.21	18.34		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.31	68.26	18.49	3.30	100.0	± 9.6 %
		Y	5.62	68.74	18.88		100.0	
		Z	5.38	68.28	18.58		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.42	68.63	18.93	3.82	90.0	± 9.6 %
		Y	5.80	69.31	19.42		90.0	
		Z	5.51	68.69	19.05		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.46	68.51	19.11	4.15	90.0	± 9.6 %
		Y	5.82	69.14	19.55		90.0	
		Z	5.54	68.54	19.20		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.50	68.62	19.22	4.30	90.0	± 9.6 %
		Y	5.87	69.25	19.67		90.0	
		Z	5.58	68.63	19.31		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.67	63.34	10.42	0.00	150.0	± 9.6 %
		Y	0.93	66.76	13.40		150.0	
		Z	0.75	64.19	11.31		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	1.67	62.28	7.31	4.77	80.0	± 9.6 %
		Y	2.42	64.72	9.59		80.0	
		Z	1.82	62.74	7.75		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	115.81	28.77	6.56	60.0	± 9.6 %
		Y	56.26	110.87	29.30		60.0	
		Z	100.00	116.61	29.33		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.67	66.31	14.50	0.00	150.0	± 9.6 %
		Y	1.84	67.65	15.71		150.0	
		Z	1.72	66.59	14.85		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.63	66.25	14.46	0.00	150.0	± 9.6 %
		Y	1.81	67.62	15.68		150.0	
		Z	1.69	66.54	14.81		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	20.79	106.16	36.52	9.56	60.0	± 9.6 %
		Y	18.70	100.68	34.52		60.0	
		Z	20.67	105.32	36.21		60.0	
10100-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	2.89	69.12	15.77	0.00	150.0	± 9.6 %
		Y	3.26	70.83	16.74		150.0	
		Z	3.00	69.53	16.03		150.0	
10101-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.12	67.04	15.37	0.00	150.0	± 9.6 %
		Y	3.34	67.92	16.00		150.0	
		Z	3.20	67.25	15.56		150.0	
10102-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.23	67.05	15.49	0.00	150.0	± 9.6 %
		Y	3.44	67.83	16.07		150.0	
		Z	3.31	67.24	15.67		150.0	
10103-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	8.43	78.64	21.26	3.98	65.0	± 9.6 %
		Y	8.62	77.74	20.97		65.0	
		Z	8.52	78.48	21.24		65.0	
10104-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.17	76.82	21.36	3.98	65.0	± 9.6 %
		Y	8.69	76.76	21.44		65.0	
		Z	8.34	76.86	21.44		65.0	
10105-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	7.76	75.79	21.22	3.98	65.0	± 9.6 %
		Y	7.66	74.29	20.64		65.0	
		Z	7.91	75.83	21.30		65.0	
10108-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.53	68.36	15.57	0.00	150.0	± 9.6 %
		Y	2.87	70.01	16.56		150.0	
		Z	2.63	68.77	15.84		150.0	
10109-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.77	66.79	15.20	0.00	150.0	± 9.6 %
		Y	3.01	67.70	15.91		150.0	
		Z	2.86	67.01	15.42		150.0	
10110-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.03	67.36	15.06	0.00	150.0	± 9.6 %
		Y	2.35	69.06	16.22		150.0	
		Z	2.14	67.79	15.40		150.0	
10111-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.45	67.27	15.27	0.00	150.0	± 9.6 %
		Y	2.70	68.19	16.15		150.0	
		Z	2.54	67.49	15.56		150.0	

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	2.90	66.83	15.29	0.00	150.0	± 9.6 %
		Y	3.13	67.63	15.95		150.0	
		Z	2.98	67.02	15.50		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.61	67.47	15.44	0.00	150.0	± 9.6 %
		Y	2.85	68.27	16.25		150.0	
		Z	2.69	67.66	15.71		150.0	
10114-CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.06	67.18	16.20	0.00	150.0	± 9.6 %
		Y	5.20	67.35	16.40		150.0	
		Z	5.13	67.21	16.28		150.0	
10115-CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.35	67.33	16.28	0.00	150.0	± 9.6 %
		Y	5.57	67.66	16.57		150.0	
		Z	5.46	67.46	16.42		150.0	
10116-CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.16	67.37	16.22	0.00	150.0	± 9.6 %
		Y	5.33	67.61	16.46		150.0	
		Z	5.24	67.44	16.33		150.0	
10117-CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.03	67.04	16.14	0.00	150.0	± 9.6 %
		Y	5.20	67.36	16.43		150.0	
		Z	5.10	67.11	16.25		150.0	
10118-CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.44	67.54	16.40	0.00	150.0	± 9.6 %
		Y	5.64	67.83	16.66		150.0	
		Z	5.54	67.67	16.54		150.0	
10119-CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.14	67.32	16.20	0.00	150.0	± 9.6 %
		Y	5.30	67.56	16.44		150.0	
		Z	5.21	67.37	16.30		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.27	67.06	15.42	0.00	150.0	± 9.6 %
		Y	3.49	67.84	16.00		150.0	
		Z	3.35	67.25	15.60		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.39	67.19	15.61	0.00	150.0	± 9.6 %
		Y	3.61	67.88	16.14		150.0	
		Z	3.47	67.35	15.78		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.79	67.06	14.53	0.00	150.0	± 9.6 %
		Y	2.12	68.96	15.99		150.0	
		Z	1.90	67.56	14.99		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.25	67.55	14.72	0.00	150.0	± 9.6 %
		Y	2.56	68.81	15.99		150.0	
		Z	2.36	67.89	15.16		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.09	65.69	13.32	0.00	150.0	± 9.6 %
		Y	2.40	67.02	14.68		150.0	
		Z	2.20	66.07	13.79		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.05	63.35	10.30	0.00	150.0	± 9.6 %
		Y	1.46	66.87	13.44		150.0	
		Z	1.18	64.41	11.38		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	1.86	65.82	11.18	0.00	150.0	± 9.6 %
		Y	3.29	72.53	15.56		150.0	
		Z	2.22	67.67	12.62		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.14	67.48	12.12	0.00	150.0	± 9.6 %
		Y	4.19	75.89	17.09		150.0	
		Z	2.64	69.92	13.80		150.0	

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.78	66.84	15.24	0.00	150.0	± 9.6 %
		Y	3.02	67.75	15.95		150.0	
		Z	2.86	67.07	15.46		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	2.91	66.88	15.33	0.00	150.0	± 9.6 %
		Y	3.14	67.67	15.98		150.0	
		Z	2.99	67.07	15.54		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.16	81.37	22.36	3.98	65.0	± 9.6 %
		Y	9.09	79.83	21.89		65.0	
		Z	9.17	81.01	22.29		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	7.77	76.96	21.11	3.98	65.0	± 9.6 %
		Y	8.32	76.95	21.30		65.0	
		Z	7.95	77.03	21.24		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	8.23	77.96	21.87	3.98	65.0	± 9.6 %
		Y	8.66	77.60	21.89		65.0	
		Z	8.37	77.93	21.96		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.07	67.69	15.28	0.00	150.0	± 9.6 %
		Y	2.40	69.48	16.48		150.0	
		Z	2.18	68.16	15.64		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.45	67.29	15.29	0.00	150.0	± 9.6 %
		Y	2.70	68.20	16.16		150.0	
		Z	2.54	67.50	15.57		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.62	66.85	14.14	0.00	150.0	± 9.6 %
		Y	1.98	69.14	15.92		150.0	
		Z	1.74	67.48	14.72		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	1.89	65.90	13.14	0.00	150.0	± 9.6 %
		Y	2.24	67.60	14.80		150.0	
		Z	2.01	66.40	13.72		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.61	67.53	15.49	0.00	150.0	± 9.6 %
		Y	2.85	68.31	16.29		150.0	
		Z	2.70	67.71	15.76		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	1.98	66.28	13.39	0.00	150.0	± 9.6 %
		Y	2.35	68.01	15.07		150.0	
		Z	2.11	66.81	13.99		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.58	67.74	15.49	0.00	150.0	± 9.6 %
		Y	2.84	68.87	16.30		150.0	
		Z	2.67	68.04	15.75		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.80	66.79	15.23	0.00	150.0	± 9.6 %
		Y	3.03	67.56	15.92		150.0	
		Z	2.88	66.97	15.46		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	2.91	66.96	15.36	0.00	150.0	± 9.6 %
		Y	3.13	67.64	16.00		150.0	
		Z	2.99	67.11	15.57		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.59	69.77	19.04	3.01	150.0	± 9.6 %
		Y	4.00	70.80	19.68		150.0	
		Z	3.70	69.87	19.15		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.47	72.90	19.57	3.01	150.0	± 9.6 %
		Y	5.27	74.48	20.43		150.0	
		Z	4.64	73.01	19.69		150.0	

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	4.99	75.28	20.95	3.01	150.0	± 9.6 %
		Y	5.79	76.50	21.58		150.0	
		Z	5.15	75.23	20.99		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.02	69.44	18.89	3.01	150.0	± 9.6 %
		Y	3.72	72.54	20.42		150.0	
		Z	3.17	70.01	19.21		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.27	75.88	21.39	3.01	150.0	± 9.6 %
		Y	5.90	80.40	23.19		150.0	
		Z	4.56	76.58	21.71		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.46	71.49	18.53	3.01	150.0	± 9.6 %
		Y	4.68	75.47	20.32		150.0	
		Z	3.69	72.13	18.87		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	22.89	107.17	33.00	6.02	65.0	± 9.6 %
		Y	29.16	108.40	33.11		65.0	
		Z	25.77	108.46	33.30		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	45.14	114.12	32.95	6.02	65.0	± 9.6 %
		Y	33.44	106.00	30.71		65.0	
		Z	41.34	111.77	32.33		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	29.39	105.15	29.95	6.02	65.0	± 9.6 %
		Y	25.45	99.94	28.48		65.0	
		Z	28.31	103.70	29.56		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.98	69.13	18.64	3.01	150.0	± 9.6 %
		Y	3.67	72.17	20.16		150.0	
		Z	3.13	69.69	18.96		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	4.28	75.90	21.40	3.01	150.0	± 9.6 %
		Y	5.91	80.43	23.20		150.0	
		Z	4.57	76.60	21.72		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.01	69.28	18.73	3.01	150.0	± 9.6 %
		Y	3.70	72.35	20.26		150.0	
		Z	3.16	69.85	19.06		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	4.24	75.68	21.28	3.01	150.0	± 9.6 %
		Y	5.82	80.10	23.05		150.0	
		Z	4.51	76.35	21.59		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	3.83	73.53	19.82	3.01	150.0	± 9.6 %
		Y	5.23	77.74	21.60		150.0	
		Z	4.08	74.20	20.14		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	3.45	71.42	18.49	3.01	150.0	± 9.6 %
		Y	4.66	75.36	20.26		150.0	
		Z	3.68	72.05	18.82		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.00	69.26	18.73	3.01	150.0	± 9.6 %
		Y	3.70	72.33	20.25		150.0	
		Z	3.15	69.83	19.05		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	4.23	75.65	21.27	3.01	150.0	± 9.6 %
		Y	5.81	80.07	23.04		150.0	
		Z	4.50	76.32	21.58		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.45	71.39	18.47	3.01	150.0	± 9.6 %
		Y	4.65	75.34	20.25		150.0	
		Z	3.67	72.02	18.81		150.0	

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.01	69.30	18.75	3.01	150.0	± 9.6 %
		Y	3.71	72.38	20.28		150.0	
		Z	3.16	69.87	19.07		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	4.25	75.73	21.31	3.01	150.0	± 9.6 %
		Y	5.84	80.16	23.08		150.0	
		Z	4.53	76.40	21.62		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	3.46	71.46	18.51	3.01	150.0	± 9.6 %
		Y	4.68	75.42	20.28		150.0	
		Z	3.69	72.09	18.84		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.02	69.36	18.81	3.01	150.0	± 9.6 %
		Y	3.72	72.43	20.33		150.0	
		Z	3.17	69.92	19.13		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.39	76.42	21.70	3.01	150.0	± 9.6 %
		Y	6.08	80.98	23.49		150.0	
		Z	4.69	77.13	22.01		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.55	71.90	18.79	3.01	150.0	± 9.6 %
		Y	4.81	75.94	20.58		150.0	
		Z	3.78	72.55	19.13		150.0	
10193-CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.45	66.56	15.86	0.00	150.0	± 9.6 %
		Y	4.63	66.77	16.18		150.0	
		Z	4.53	66.58	15.98		150.0	
10194-CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.62	66.87	15.99	0.00	150.0	± 9.6 %
		Y	4.82	67.14	16.29		150.0	
		Z	4.70	66.91	16.10		150.0	
10195-CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.66	66.90	16.01	0.00	150.0	± 9.6 %
		Y	4.86	67.15	16.30		150.0	
		Z	4.75	66.94	16.12		150.0	
10196-CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.46	66.61	15.88	0.00	150.0	± 9.6 %
		Y	4.65	66.87	16.21		150.0	
		Z	4.53	66.65	16.00		150.0	
10197-CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.64	66.89	16.00	0.00	150.0	± 9.6 %
		Y	4.84	67.16	16.30		150.0	
		Z	4.72	66.93	16.11		150.0	
10198-CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.66	66.92	16.02	0.00	150.0	± 9.6 %
		Y	4.87	67.17	16.31		150.0	
		Z	4.75	66.96	16.13		150.0	
10219-CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.40	66.62	15.83	0.00	150.0	± 9.6 %
		Y	4.59	66.88	16.17		150.0	
		Z	4.48	66.66	15.96		150.0	
10220-CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.63	66.86	15.99	0.00	150.0	± 9.6 %
		Y	4.84	67.15	16.30		150.0	
		Z	4.72	66.91	16.11		150.0	
10221-CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.67	66.85	16.01	0.00	150.0	± 9.6 %
		Y	4.88	67.10	16.30		150.0	
		Z	4.76	66.89	16.12		150.0	
10222-CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.00	67.05	16.14	0.00	150.0	± 9.6 %
		Y	5.18	67.38	16.43		150.0	
		Z	5.08	67.12	16.24		150.0	

10223-CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.31	67.27	16.28	0.00	150.0	± 9.6 %
		Y	5.55	67.70	16.61		150.0	
		Z	5.39	67.33	16.38		150.0	
10224-CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.05	67.15	16.12	0.00	150.0	± 9.6 %
		Y	5.23	67.47	16.40		150.0	
		Z	5.12	67.22	16.22		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.70	65.72	14.75	0.00	150.0	± 9.6 %
		Y	2.89	66.26	15.48		150.0	
		Z	2.77	65.84	15.01		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	50.25	116.22	33.59	6.02	65.0	± 9.6 %
		Y	35.30	107.10	31.10		65.0	
		Z	45.30	113.57	32.91		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	39.94	110.39	31.44	6.02	65.0	± 9.6 %
		Y	27.63	101.45	29.00		65.0	
		Z	35.20	107.48	30.68		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	31.91	113.91	34.98	6.02	65.0	± 9.6 %
		Y	33.76	111.66	34.13		65.0	
		Z	33.64	113.99	34.94		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	45.34	114.19	32.97	6.02	65.0	± 9.6 %
		Y	33.47	106.00	30.72		65.0	
		Z	41.47	111.81	32.35		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	36.52	108.73	30.92	6.02	65.0	± 9.6 %
		Y	26.46	100.60	28.69		65.0	
		Z	32.69	106.09	30.22		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	29.50	112.23	34.43	6.02	65.0	± 9.6 %
		Y	32.10	110.57	33.75		65.0	
		Z	31.26	112.42	34.42		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	45.34	114.20	32.98	6.02	65.0	± 9.6 %
		Y	33.46	106.00	30.72		65.0	
		Z	41.46	111.82	32.35		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	36.50	108.73	30.92	6.02	65.0	± 9.6 %
		Y	26.48	100.63	28.69		65.0	
		Z	32.69	106.10	30.23		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	27.44	110.59	33.85	6.02	65.0	± 9.6 %
		Y	30.42	109.33	33.31		65.0	
		Z	29.16	110.83	33.87		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	45.55	114.29	33.00	6.02	65.0	± 9.6 %
		Y	33.56	106.07	30.74		65.0	
		Z	41.64	111.91	32.38		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	36.95	108.91	30.96	6.02	65.0	± 9.6 %
		Y	26.68	100.74	28.72		65.0	
		Z	33.05	106.26	30.27		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	29.76	112.43	34.49	6.02	65.0	± 9.6 %
		Y	32.41	110.77	33.81		65.0	
		Z	31.56	112.63	34.48		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	45.34	114.21	32.98	6.02	65.0	± 9.6 %
		Y	33.47	106.02	30.72		65.0	
		Z	41.47	111.83	32.35		65.0	

10239-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	36.46	108.72	30.92	6.02	65.0	± 9.6 %
		Y	26.48	100.65	28.70		65.0	
		Z	32.67	106.10	30.23		65.0	
10240-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	29.66	112.38	34.47	6.02	65.0	± 9.6 %
		Y	32.31	110.72	33.80		65.0	
		Z	31.45	112.57	34.47		65.0	
10241-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	12.07	87.90	27.72	6.98	65.0	± 9.6 %
		Y	13.30	87.80	27.79		65.0	
		Z	12.09	87.25	27.54		65.0	
10242-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	10.79	85.52	26.74	6.98	65.0	± 9.6 %
		Y	11.93	85.40	26.80		65.0	
		Z	10.92	85.06	26.63		65.0	
10243-CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	8.53	82.01	26.28	6.98	65.0	± 9.6 %
		Y	9.73	82.85	26.70		65.0	
		Z	8.73	81.87	26.27		65.0	
10244-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	8.65	79.36	19.73	3.98	65.0	± 9.6 %
		Y	9.67	80.41	21.07		65.0	
		Z	9.07	80.05	20.38		65.0	
10245-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	8.37	78.61	19.39	3.98	65.0	± 9.6 %
		Y	9.55	79.98	20.86		65.0	
		Z	8.85	79.41	20.09		65.0	
10246-CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	8.45	81.72	20.65	3.98	65.0	± 9.6 %
		Y	8.96	81.90	21.58		65.0	
		Z	8.89	82.46	21.26		65.0	
10247-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	7.05	76.85	19.45	3.98	65.0	± 9.6 %
		Y	7.74	77.40	20.39		65.0	
		Z	7.34	77.32	19.94		65.0	
10248-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	6.95	76.21	19.18	3.98	65.0	± 9.6 %
		Y	7.76	77.01	20.23		65.0	
		Z	7.27	76.74	19.70		65.0	
10249-CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	10.21	85.26	22.77	3.98	65.0	± 9.6 %
		Y	9.74	83.39	22.69		65.0	
		Z	10.26	85.16	22.98		65.0	
10250-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.24	79.77	22.15	3.98	65.0	± 9.6 %
		Y	8.54	79.06	22.18		65.0	
		Z	8.37	79.72	22.29		65.0	
10251-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	7.65	77.33	20.87	3.98	65.0	± 9.6 %
		Y	8.18	77.25	21.21		65.0	
		Z	7.84	77.43	21.08		65.0	
10252-CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	10.15	84.92	23.58	3.98	65.0	± 9.6 %
		Y	9.64	82.56	22.96		65.0	
		Z	10.08	84.44	23.52		65.0	
10253-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	7.59	76.43	20.88	3.98	65.0	± 9.6 %
		Y	8.12	76.41	21.12		65.0	
		Z	7.75	76.47	21.02		65.0	
10254-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.02	77.36	21.56	3.98	65.0	± 9.6 %
		Y	8.47	77.08	21.68		65.0	
		Z	8.16	77.32	21.67		65.0	

10255-CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	8.82	80.95	22.40	3.98	65.0	± 9.6 %
		Y	8.84	79.53	22.01		65.0	
		Z	8.84	80.61	22.35		65.0	
10256-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	6.82	75.23	17.15	3.98	65.0	± 9.6 %
		Y	8.68	78.37	19.56		65.0	
		Z	7.54	76.70	18.19		65.0	
10257-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	6.54	74.30	16.68	3.98	65.0	± 9.6 %
		Y	8.52	77.75	19.24		65.0	
		Z	7.28	75.85	17.77		65.0	
10258-CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	6.37	76.83	18.03	3.98	65.0	± 9.6 %
		Y	7.89	79.52	20.15		65.0	
		Z	7.10	78.42	19.06		65.0	
10259-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	7.52	77.93	20.42	3.98	65.0	± 9.6 %
		Y	8.06	77.98	21.01		65.0	
		Z	7.74	78.19	20.78		65.0	
10260-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	7.49	77.59	20.29	3.98	65.0	± 9.6 %
		Y	8.09	77.75	20.94		65.0	
		Z	7.73	77.88	20.67		65.0	
10261-CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	9.67	84.29	22.82	3.98	65.0	± 9.6 %
		Y	9.39	82.53	22.65		65.0	
		Z	9.71	84.10	22.96		65.0	
10262-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.22	79.70	22.11	3.98	65.0	± 9.6 %
		Y	8.54	79.02	22.15		65.0	
		Z	8.36	79.67	22.25		65.0	
10263-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	7.64	77.31	20.87	3.98	65.0	± 9.6 %
		Y	8.18	77.24	21.21		65.0	
		Z	7.83	77.41	21.08		65.0	
10264-CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	10.05	84.72	23.48	3.98	65.0	± 9.6 %
		Y	9.59	82.44	22.90		65.0	
		Z	9.99	84.26	23.44		65.0	
10265-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	7.77	76.96	21.11	3.98	65.0	± 9.6 %
		Y	8.32	76.95	21.31		65.0	
		Z	7.94	77.03	21.24		65.0	
10266-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	8.23	77.95	21.86	3.98	65.0	± 9.6 %
		Y	8.66	77.60	21.89		65.0	
		Z	8.37	77.92	21.95		65.0	
10267-CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	9.14	81.33	22.34	3.98	65.0	± 9.6 %
		Y	9.08	79.80	21.88		65.0	
		Z	9.15	80.97	22.27		65.0	
10268-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.28	76.59	21.39	3.98	65.0	± 9.6 %
		Y	8.78	76.48	21.45		65.0	
		Z	8.43	76.60	21.46		65.0	
10269-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	8.21	76.18	21.28	3.98	65.0	± 9.6 %
		Y	8.71	76.12	21.38		65.0	
		Z	8.36	76.19	21.36		65.0	
10270-CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	8.50	78.31	21.37	3.98	65.0	± 9.6 %
		Y	8.72	77.47	21.11		65.0	
		Z	8.58	78.11	21.34		65.0	

10274-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.47	65.94	14.57	0.00	150.0	± 9.6 %
		Y	2.63	66.50	15.32		150.0	
		Z	2.53	66.03	14.81		150.0	
10275-CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.44	66.22	14.17	0.00	150.0	± 9.6 %
		Y	1.67	68.26	15.67		150.0	
		Z	1.51	66.69	14.59		150.0	
10277-CAA	PHS (QPSK)	X	4.33	66.71	11.48	9.03	50.0	± 9.6 %
		Y	6.15	70.64	14.98		50.0	
		Z	4.74	67.68	12.36		50.0	
10278-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	7.81	77.29	18.58	9.03	50.0	± 9.6 %
		Y	9.15	79.24	20.78		50.0	
		Z	8.54	78.77	19.60		50.0	
10279-CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	7.93	77.47	18.68	9.03	50.0	± 9.6 %
		Y	9.31	79.44	20.87		50.0	
		Z	8.68	78.95	19.70		50.0	
10290-AAB	CDMA2000, RC1, SO55, Full Rate	X	1.13	65.57	11.82	0.00	150.0	± 9.6 %
		Y	1.61	69.49	14.83		150.0	
		Z	1.28	66.68	12.80		150.0	
10291-AAB	CDMA2000, RC3, SO55, Full Rate	X	0.66	63.21	10.32	0.00	150.0	± 9.6 %
		Y	0.91	66.51	13.26		150.0	
		Z	0.74	64.03	11.21		150.0	
10292-AAB	CDMA2000, RC3, SO32, Full Rate	X	0.74	65.25	11.76	0.00	150.0	± 9.6 %
		Y	1.12	70.35	15.50		150.0	
		Z	0.84	66.45	12.83		150.0	
10293-AAB	CDMA2000, RC3, SO3, Full Rate	X	0.95	68.31	13.72	0.00	150.0	± 9.6 %
		Y	1.55	75.23	18.07		150.0	
		Z	1.09	69.98	14.96		150.0	
10295-AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	12.11	86.74	24.46	9.03	50.0	± 9.6 %
		Y	10.43	82.76	23.86		50.0	
		Z	11.51	85.80	24.46		50.0	
10297-AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.54	68.44	15.63	0.00	150.0	± 9.6 %
		Y	2.88	70.10	16.62		150.0	
		Z	2.65	68.86	15.90		150.0	
10298-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.32	65.46	12.43	0.00	150.0	± 9.6 %
		Y	1.75	68.52	14.93		150.0	
		Z	1.46	66.37	13.28		150.0	
10299-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	2.54	69.20	13.80	0.00	150.0	± 9.6 %
		Y	3.80	74.14	16.99		150.0	
		Z	2.86	70.52	14.83		150.0	
10300-AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.93	65.01	11.07	0.00	150.0	± 9.6 %
		Y	2.76	68.72	13.93		150.0	
		Z	2.16	66.01	12.01		150.0	
10301-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	5.32	67.49	18.08	4.17	80.0	± 9.6 %
		Y	5.89	68.64	18.91		80.0	
		Z	5.45	67.61	18.29		80.0	
10302-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	5.78	68.03	18.79	4.96	80.0	± 9.6 %
		Y	6.52	69.89	20.04		80.0	
		Z	5.91	68.17	19.00		80.0	

10303-AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	5.59	67.95	18.74	4.96	80.0	± 9.6 %
		Y	6.42	70.15	20.19		80.0	
		Z	5.74	68.13	18.99		80.0	
10304-AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.29	67.40	18.02	4.17	80.0	± 9.6 %
		Y	5.95	69.11	19.19		80.0	
		Z	5.41	67.52	18.23		80.0	
10305-AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	7.11	77.24	23.60	6.02	50.0	± 9.6 %
		Y	8.84	79.94	24.96		50.0	
		Z	7.43	78.03	24.25		50.0	
10306-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	5.77	69.91	20.22	6.02	50.0	± 9.6 %
		Y	7.32	74.38	22.84		50.0	
		Z	5.96	70.26	20.60		50.0	
10307-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	6.28	73.17	21.91	6.02	50.0	± 9.6 %
		Y	7.57	75.42	23.10		50.0	
		Z	6.51	73.71	22.40		50.0	
10308-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	6.38	73.80	22.22	6.02	50.0	± 9.6 %
		Y	7.71	76.06	23.38		50.0	
		Z	6.62	74.34	22.70		50.0	
10309-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	5.84	70.15	20.38	6.02	50.0	± 9.6 %
		Y	7.47	74.77	23.04		50.0	
		Z	6.05	70.54	20.77		50.0	
10310-AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	5.76	70.08	20.22	6.02	50.0	± 9.6 %
		Y	7.39	74.75	22.90		50.0	
		Z	5.95	70.44	20.60		50.0	
10311-AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	2.88	67.82	15.36	0.00	150.0	± 9.6 %
		Y	3.24	69.40	16.27		150.0	
		Z	2.99	68.21	15.61		150.0	
10313-AAA	iDEN 1:3	X	6.98	77.79	17.99	6.99	70.0	± 9.6 %
		Y	7.35	77.62	18.55		70.0	
		Z	7.10	77.83	18.14		70.0	
10314-AAA	iDEN 1:6	X	10.47	86.66	23.65	10.00	30.0	± 9.6 %
		Y	8.79	81.86	22.43		30.0	
		Z	10.14	85.77	23.45		30.0	
10315-AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.08	63.51	14.40	0.17	150.0	± 9.6 %
		Y	1.16	64.75	15.55		150.0	
		Z	1.10	63.77	14.71		150.0	
10316-AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	X	4.55	66.75	16.09	0.17	150.0	± 9.6 %
		Y	4.74	66.99	16.40		150.0	
		Z	4.63	66.78	16.20		150.0	
10317-AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.55	66.75	16.09	0.17	150.0	± 9.6 %
		Y	4.74	66.99	16.40		150.0	
		Z	4.63	66.78	16.20		150.0	
10400-AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.61	66.92	15.98	0.00	150.0	± 9.6 %
		Y	4.83	67.21	16.30		150.0	
		Z	4.70	66.97	16.10		150.0	
10401-AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.33	67.20	16.22	0.00	150.0	± 9.6 %
		Y	5.47	67.31	16.40		150.0	
		Z	5.40	67.21	16.30		150.0	

10402-AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.57	67.46	16.21	0.00	150.0	± 9.6 %
		Y	5.76	67.80	16.49		150.0	
		Z	5.66	67.55	16.32		150.0	
10403-AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.13	65.57	11.82	0.00	115.0	± 9.6 %
		Y	1.61	69.49	14.83		115.0	
		Z	1.28	66.68	12.80		115.0	
10404-AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.13	65.57	11.82	0.00	115.0	± 9.6 %
		Y	1.61	69.49	14.83		115.0	
		Z	1.28	66.68	12.80		115.0	
10406-AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	88.62	118.42	29.12	0.00	100.0	± 9.6 %
		Y	100.00	121.65	30.84		100.0	
		Z	64.62	115.49	28.99		100.0	
10410-AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	119.91	29.89	3.23	80.0	± 9.6 %
		Y	100.00	119.37	30.35		80.0	
		Z	100.00	119.74	30.02		80.0	
10415-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	0.95	62.22	13.58	0.00	150.0	± 9.6 %
		Y	1.00	63.15	14.62		150.0	
		Z	0.96	62.40	13.86		150.0	
10416-AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	X	4.46	66.60	15.93	0.00	150.0	± 9.6 %
		Y	4.63	66.81	16.22		150.0	
		Z	4.53	66.62	16.04		150.0	
10417-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.46	66.60	15.93	0.00	150.0	± 9.6 %
		Y	4.63	66.81	16.22		150.0	
		Z	4.53	66.62	16.04		150.0	
10418-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.44	66.75	15.94	0.00	150.0	± 9.6 %
		Y	4.62	66.95	16.22		150.0	
		Z	4.52	66.76	16.04		150.0	
10419-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.47	66.70	15.95	0.00	150.0	± 9.6 %
		Y	4.64	66.91	16.23		150.0	
		Z	4.54	66.72	16.05		150.0	
10422-AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.58	66.71	15.97	0.00	150.0	± 9.6 %
		Y	4.77	66.92	16.25		150.0	
		Z	4.66	66.73	16.08		150.0	
10423-AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.74	67.02	16.09	0.00	150.0	± 9.6 %
		Y	4.97	67.29	16.39		150.0	
		Z	4.84	67.07	16.20		150.0	
10424-AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.67	66.97	16.06	0.00	150.0	± 9.6 %
		Y	4.88	67.23	16.36		150.0	
		Z	4.75	67.01	16.17		150.0	
10425-AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.27	67.32	16.28	0.00	150.0	± 9.6 %
		Y	5.44	67.54	16.51		150.0	
		Z	5.36	67.40	16.39		150.0	
10426-AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.28	67.36	16.29	0.00	150.0	± 9.6 %
		Y	5.45	67.57	16.52		150.0	
		Z	5.36	67.41	16.39		150.0	

10427-AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.29	67.32	16.27	0.00	150.0	± 9.6 %
		Y	5.47	67.58	16.52		150.0	
		Z	5.38	67.39	16.38		150.0	
10430-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.07	70.23	17.55	0.00	150.0	± 9.6 %
		Y	4.27	70.06	17.88		150.0	
		Z	4.15	70.14	17.71		150.0	
10431-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.11	67.04	15.84	0.00	150.0	± 9.6 %
		Y	4.36	67.35	16.27		150.0	
		Z	4.21	67.10	16.00		150.0	
10432-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.43	66.98	15.97	0.00	150.0	± 9.6 %
		Y	4.65	67.26	16.32		150.0	
		Z	4.52	67.02	16.10		150.0	
10433-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.68	67.00	16.07	0.00	150.0	± 9.6 %
		Y	4.89	67.27	16.38		150.0	
		Z	4.77	67.04	16.19		150.0	
10434-AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.12	70.89	17.41	0.00	150.0	± 9.6 %
		Y	4.34	70.74	17.85		150.0	
		Z	4.22	70.82	17.62		150.0	
10435-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	119.71	29.80	3.23	80.0	± 9.6 %
		Y	100.00	119.22	30.28		80.0	
		Z	100.00	119.56	29.94		80.0	
10447-AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.37	66.82	14.98	0.00	150.0	± 9.6 %
		Y	3.67	67.36	15.75		150.0	
		Z	3.49	66.96	15.27		150.0	
10448-AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	3.96	66.81	15.69	0.00	150.0	± 9.6 %
		Y	4.18	67.12	16.13		150.0	
		Z	4.05	66.86	15.85		150.0	
10449-AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.24	66.79	15.86	0.00	150.0	± 9.6 %
		Y	4.44	67.08	16.21		150.0	
		Z	4.32	66.83	15.98		150.0	
10450-AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.44	66.75	15.91	0.00	150.0	± 9.6 %
		Y	4.62	67.02	16.23		150.0	
		Z	4.52	66.79	16.03		150.0	
10451-AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.24	66.86	14.51	0.00	150.0	± 9.6 %
		Y	3.59	67.61	15.48		150.0	
		Z	3.38	67.08	14.88		150.0	
10456-AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.15	67.91	16.46	0.00	150.0	± 9.6 %
		Y	6.30	68.18	16.69		150.0	
		Z	6.22	67.98	16.56		150.0	
10457-AAA	UMTS-FDD (DC-HSDPA)	X	3.73	65.25	15.62	0.00	150.0	± 9.6 %
		Y	3.83	65.45	15.95		150.0	
		Z	3.77	65.26	15.74		150.0	
10458-AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.76	70.07	16.73	0.00	150.0	± 9.6 %
		Y	3.96	69.90	17.32		150.0	
		Z	3.85	70.03	17.01		150.0	
10459-AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.92	68.09	17.69	0.00	150.0	± 9.6 %
		Y	5.09	67.55	17.82		150.0	
		Z	5.01	67.92	17.81		150.0	

10460-AAA	UMTS-FDD (WCDMA, AMR)	X	0.75	65.19	13.76	0.00	150.0	± 9.6 %
		Y	0.92	68.59	16.20		150.0	
		Z	0.79	65.92	14.36		150.0	
10461-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.79	31.74	3.29	80.0	± 9.6 %
		Y	100.00	122.12	31.69		80.0	
		Z	100.00	123.30	31.73		80.0	
10462-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	32.80	95.15	20.97	3.23	80.0	± 9.6 %
		Y	100.00	108.81	25.31		80.0	
		Z	69.50	103.52	23.30		80.0	
10463-AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.39	75.30	14.79	3.23	80.0	± 9.6 %
		Y	43.22	97.24	21.98		80.0	
		Z	9.33	80.70	16.78		80.0	
10464-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	121.52	30.54	3.23	80.0	± 9.6 %
		Y	100.00	120.38	30.74		80.0	
		Z	100.00	121.16	30.59		80.0	
10465-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	14.77	86.68	18.69	3.23	80.0	± 9.6 %
		Y	100.00	108.39	25.10		80.0	
		Z	27.22	93.26	20.74		80.0	
10466-AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.02	72.31	13.72	3.23	80.0	± 9.6 %
		Y	24.89	91.04	20.33		80.0	
		Z	6.35	76.67	15.47		80.0	
10467-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	121.77	30.65	3.23	80.0	± 9.6 %
		Y	100.00	120.56	30.82		80.0	
		Z	100.00	121.39	30.69		80.0	
10468-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	17.84	88.71	19.26	3.23	80.0	± 9.6 %
		Y	100.00	108.52	25.16		80.0	
		Z	33.81	95.65	21.37		80.0	
10469-AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.05	72.41	13.75	3.23	80.0	± 9.6 %
		Y	25.54	91.32	20.40		80.0	
		Z	6.43	76.81	15.51		80.0	
10470-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	121.79	30.65	3.23	80.0	± 9.6 %
		Y	100.00	120.58	30.82		80.0	
		Z	100.00	121.41	30.69		80.0	
10471-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	17.61	88.54	19.20	3.23	80.0	± 9.6 %
		Y	100.00	108.47	25.13		80.0	
		Z	33.47	95.51	21.32		80.0	
10472-AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.02	72.32	13.71	3.23	80.0	± 9.6 %
		Y	25.57	91.31	20.39		80.0	
		Z	6.39	76.72	15.47		80.0	
10473-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	121.76	30.64	3.23	80.0	± 9.6 %
		Y	100.00	120.56	30.81		80.0	
		Z	100.00	121.38	30.68		80.0	
10474-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	17.32	88.38	19.16	3.23	80.0	± 9.6 %
		Y	100.00	108.48	25.14		80.0	
		Z	32.82	95.31	21.27		80.0	
10475-AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.99	72.26	13.69	3.23	80.0	± 9.6 %
		Y	25.19	91.16	20.35		80.0	
		Z	6.32	76.64	15.44		80.0	

10477-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	15.07	86.86	18.72	3.23	80.0	± 9.6 %
		Y	100.00	108.34	25.07		80.0	
		Z	28.04	93.54	20.79		80.0	
10478-AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.95	72.14	13.64	3.23	80.0	± 9.6 %
		Y	24.77	90.95	20.29		80.0	
		Z	6.24	76.49	15.38		80.0	
10479-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	18.00	97.43	26.23	3.23	80.0	± 9.6 %
		Y	13.36	92.12	25.35		80.0	
		Z	14.86	94.42	25.64		80.0	
10480-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	15.57	89.49	22.03	3.23	80.0	± 9.6 %
		Y	14.49	88.43	22.68		80.0	
		Z	14.38	88.56	22.14		80.0	
10481-AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	11.30	84.47	20.12	3.23	80.0	± 9.6 %
		Y	12.51	85.67	21.51		80.0	
		Z	11.33	84.56	20.56		80.0	
10482-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.07	74.15	17.16	2.23	80.0	± 9.6 %
		Y	5.81	78.45	19.63		80.0	
		Z	4.63	75.76	18.13		80.0	
10483-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	6.76	77.89	18.30	2.23	80.0	± 9.6 %
		Y	8.61	81.09	20.48		80.0	
		Z	7.45	79.28	19.22		80.0	
10484-AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	6.10	76.33	17.74	2.23	80.0	± 9.6 %
		Y	8.03	79.88	20.06		80.0	
		Z	6.80	77.82	18.72		80.0	
10485-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.67	76.32	18.94	2.23	80.0	± 9.6 %
		Y	6.01	79.09	20.51		80.0	
		Z	5.06	77.24	19.52		80.0	
10486-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.00	71.17	16.48	2.23	80.0	± 9.6 %
		Y	4.90	73.23	18.04		80.0	
		Z	4.29	71.91	17.09		80.0	
10487-AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.96	70.71	16.28	2.23	80.0	± 9.6 %
		Y	4.86	72.77	17.85		80.0	
		Z	4.25	71.45	16.90		80.0	
10488-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.80	75.39	19.35	2.23	80.0	± 9.6 %
		Y	5.90	77.41	20.35		80.0	
		Z	5.11	75.98	19.69		80.0	
10489-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.30	71.16	17.75	2.23	80.0	± 9.6 %
		Y	4.95	72.31	18.56		80.0	
		Z	4.48	71.46	18.03		80.0	
10490-AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.37	70.93	17.67	2.23	80.0	± 9.6 %
		Y	5.00	71.98	18.45		80.0	
		Z	4.55	71.20	17.95		80.0	
10491-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.81	73.40	18.77	2.23	80.0	± 9.6 %
		Y	5.66	74.90	19.51		80.0	
		Z	5.05	73.81	19.01		80.0	
10492-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.58	70.26	17.73	2.23	80.0	± 9.6 %
		Y	5.15	71.20	18.35		80.0	
		Z	4.74	70.48	17.94		80.0	

10493-AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.63	70.09	17.67	2.23	80.0	± 9.6 %
		Y	5.20	70.99	18.28		80.0	
		Z	4.79	70.31	17.88		80.0	
10494-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.26	74.92	19.20	2.23	80.0	± 9.6 %
		Y	6.31	76.72	20.02		80.0	
		Z	5.56	75.45	19.47		80.0	
10495-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.63	70.67	17.93	2.23	80.0	± 9.6 %
		Y	5.25	71.75	18.56		80.0	
		Z	4.81	70.95	18.14		80.0	
10496-AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.69	70.35	17.84	2.23	80.0	± 9.6 %
		Y	5.28	71.32	18.43		80.0	
		Z	4.85	70.59	18.04		80.0	
10497-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.80	69.04	14.16	2.23	80.0	± 9.6 %
		Y	4.67	75.26	17.80		80.0	
		Z	3.38	71.31	15.55		80.0	
10498-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.04	63.14	10.52	2.23	80.0	± 9.6 %
		Y	3.54	68.97	14.46		80.0	
		Z	2.48	65.07	11.94		80.0	
10499-AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.97	62.57	10.11	2.23	80.0	± 9.6 %
		Y	3.46	68.37	14.08		80.0	
		Z	2.40	64.45	11.52		80.0	
10500-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.63	75.63	19.00	2.23	80.0	± 9.6 %
		Y	5.77	77.85	20.27		80.0	
		Z	4.95	76.31	19.46		80.0	
10501-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.15	71.24	16.99	2.23	80.0	± 9.6 %
		Y	4.91	72.75	18.19		80.0	
		Z	4.38	71.72	17.45		80.0	
10502-AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.19	71.02	16.85	2.23	80.0	± 9.6 %
		Y	4.94	72.49	18.05		80.0	
		Z	4.41	71.50	17.31		80.0	
10503-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.74	75.17	19.25	2.23	80.0	± 9.6 %
		Y	5.83	77.22	20.27		80.0	
		Z	5.04	75.77	19.59		80.0	
10504-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.28	71.06	17.69	2.23	80.0	± 9.6 %
		Y	4.93	72.23	18.51		80.0	
		Z	4.45	71.37	17.98		80.0	
10505-AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.35	70.83	17.62	2.23	80.0	± 9.6 %
		Y	4.98	71.89	18.41		80.0	
		Z	4.52	71.11	17.90		80.0	
10506-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.22	74.76	19.13	2.23	80.0	± 9.6 %
		Y	6.26	76.58	19.96		80.0	
		Z	5.51	75.29	19.40		80.0	
10507-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.62	70.61	17.89	2.23	80.0	± 9.6 %
		Y	5.23	71.69	18.53		80.0	
		Z	4.79	70.89	18.11		80.0	

10508-AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.67	70.27	17.79	2.23	80.0	± 9.6 %
		Y	5.26	71.26	18.40		80.0	
		Z	4.84	70.52	18.00		80.0	
10509-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.37	73.08	18.53	2.23	80.0	± 9.6 %
		Y	6.17	74.40	19.15		80.0	
		Z	5.59	73.44	18.73		80.0	
10510-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.06	70.14	17.83	2.23	80.0	± 9.6 %
		Y	5.64	71.11	18.37		80.0	
		Z	5.23	70.39	18.01		80.0	
10511-AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.10	69.87	17.77	2.23	80.0	± 9.6 %
		Y	5.65	70.75	18.27		80.0	
		Z	5.26	70.08	17.94		80.0	
10512-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.71	74.71	19.00	2.23	80.0	± 9.6 %
		Y	6.73	76.43	19.76		80.0	
		Z	6.00	75.21	19.25		80.0	
10513-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.97	70.47	17.95	2.23	80.0	± 9.6 %
		Y	5.59	71.60	18.54		80.0	
		Z	5.15	70.78	18.15		80.0	
10514-AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.97	70.02	17.83	2.23	80.0	± 9.6 %
		Y	5.54	71.04	18.38		80.0	
		Z	5.13	70.28	18.01		80.0	
10515-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.91	62.31	13.57	0.00	150.0	± 9.6 %
		Y	0.96	63.34	14.68		150.0	
		Z	0.92	62.52	13.87		150.0	
10516-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.44	65.20	13.42	0.00	150.0	± 9.6 %
		Y	0.63	71.46	17.49		150.0	
		Z	0.47	66.36	14.27		150.0	
10517-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.74	63.39	13.61	0.00	150.0	± 9.6 %
		Y	0.82	65.40	15.35		150.0	
		Z	0.76	63.83	14.06		150.0	
10518-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.45	66.67	15.90	0.00	150.0	± 9.6 %
		Y	4.63	66.88	16.20		150.0	
		Z	4.52	66.69	16.01		150.0	
10519-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.63	66.90	16.03	0.00	150.0	± 9.6 %
		Y	4.84	67.17	16.34		150.0	
		Z	4.72	66.95	16.14		150.0	
10520-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.48	66.84	15.93	0.00	150.0	± 9.6 %
		Y	4.69	67.14	16.27		150.0	
		Z	4.56	66.89	16.06		150.0	
10521-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.41	66.82	15.91	0.00	150.0	± 9.6 %
		Y	4.62	67.15	16.25		150.0	
		Z	4.50	66.88	16.04		150.0	
10522-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.47	66.93	16.01	0.00	150.0	± 9.6 %
		Y	4.67	67.14	16.29		150.0	
		Z	4.56	66.96	16.12		150.0	

10523-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.35	66.79	15.85	0.00	150.0	± 9.6 %
		Y	4.54	67.03	16.15		150.0	
		Z	4.43	66.81	15.95		150.0	
10524-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.41	66.84	15.97	0.00	150.0	± 9.6 %
		Y	4.62	67.10	16.28		150.0	
		Z	4.50	66.88	16.08		150.0	
10525-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.40	65.89	15.57	0.00	150.0	± 9.6 %
		Y	4.58	66.12	15.86		150.0	
		Z	4.48	65.92	15.67		150.0	
10526-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.56	66.24	15.71	0.00	150.0	± 9.6 %
		Y	4.78	66.52	16.01		150.0	
		Z	4.65	66.29	15.82		150.0	
10527-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.48	66.19	15.64	0.00	150.0	± 9.6 %
		Y	4.69	66.49	15.96		150.0	
		Z	4.57	66.24	15.76		150.0	
10528-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.50	66.21	15.67	0.00	150.0	± 9.6 %
		Y	4.71	66.51	15.99		150.0	
		Z	4.59	66.26	15.79		150.0	
10529-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.50	66.21	15.67	0.00	150.0	± 9.6 %
		Y	4.71	66.51	15.99		150.0	
		Z	4.59	66.26	15.79		150.0	
10531-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.48	66.29	15.67	0.00	150.0	± 9.6 %
		Y	4.72	66.66	16.02		150.0	
		Z	4.58	66.37	15.80		150.0	
10532-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.35	66.14	15.60	0.00	150.0	± 9.6 %
		Y	4.57	66.52	15.96		150.0	
		Z	4.44	66.22	15.73		150.0	
10533-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.51	66.26	15.66	0.00	150.0	± 9.6 %
		Y	4.72	66.54	15.97		150.0	
		Z	4.60	66.30	15.77		150.0	
10534-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.04	66.36	15.78	0.00	150.0	± 9.6 %
		Y	5.23	66.67	16.05		150.0	
		Z	5.12	66.43	15.88		150.0	
10535-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.11	66.54	15.86	0.00	150.0	± 9.6 %
		Y	5.29	66.81	16.11		150.0	
		Z	5.19	66.60	15.96		150.0	
10536-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	4.98	66.48	15.81	0.00	150.0	± 9.6 %
		Y	5.16	66.79	16.08		150.0	
		Z	5.06	66.54	15.91		150.0	
10537-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.04	66.45	15.80	0.00	150.0	± 9.6 %
		Y	5.23	66.77	16.07		150.0	
		Z	5.12	66.52	15.90		150.0	
10538-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.12	66.48	15.85	0.00	150.0	± 9.6 %
		Y	5.34	66.84	16.15		150.0	
		Z	5.21	66.56	15.97		150.0	
10540-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.06	66.49	15.87	0.00	150.0	± 9.6 %
		Y	5.24	66.78	16.14		150.0	
		Z	5.14	66.56	15.98		150.0	

10541-AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.03	66.36	15.80	0.00	150.0	± 9.6 %
		Y	5.22	66.69	16.09		150.0	
		Z	5.11	66.43	15.91		150.0	
10542-AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.19	66.45	15.86	0.00	150.0	± 9.6 %
		Y	5.38	66.74	16.13		150.0	
		Z	5.27	66.51	15.96		150.0	
10543-AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.26	66.49	15.90	0.00	150.0	± 9.6 %
		Y	5.46	66.76	16.15		150.0	
		Z	5.35	66.56	16.01		150.0	
10544-AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.36	66.50	15.80	0.00	150.0	± 9.6 %
		Y	5.51	66.78	16.04		150.0	
		Z	5.43	66.56	15.89		150.0	
10545-AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.55	66.91	15.95	0.00	150.0	± 9.6 %
		Y	5.72	67.18	16.18		150.0	
		Z	5.63	66.98	16.05		150.0	
10546-AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.42	66.69	15.85	0.00	150.0	± 9.6 %
		Y	5.60	67.06	16.14		150.0	
		Z	5.50	66.79	15.97		150.0	
10547-AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.49	66.74	15.87	0.00	150.0	± 9.6 %
		Y	5.69	67.14	16.17		150.0	
		Z	5.57	66.83	15.98		150.0	
10548-AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.71	67.58	16.27	0.00	150.0	± 9.6 %
		Y	5.97	68.14	16.64		150.0	
		Z	5.85	67.84	16.46		150.0	
10550-AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.45	66.72	15.88	0.00	150.0	± 9.6 %
		Y	5.62	67.01	16.12		150.0	
		Z	5.52	66.78	15.98		150.0	
10551-AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.45	66.76	15.86	0.00	150.0	± 9.6 %
		Y	5.63	67.09	16.12		150.0	
		Z	5.53	66.83	15.96		150.0	
10552-AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.37	66.57	15.77	0.00	150.0	± 9.6 %
		Y	5.54	66.86	16.03		150.0	
		Z	5.44	66.62	15.86		150.0	
10553-AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.45	66.60	15.82	0.00	150.0	± 9.6 %
		Y	5.63	66.92	16.08		150.0	
		Z	5.53	66.67	15.92		150.0	
10554-AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.77	66.88	15.90	0.00	150.0	± 9.6 %
		Y	5.91	67.16	16.14		150.0	
		Z	5.83	66.94	15.99		150.0	
10555-AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.89	67.17	16.02	0.00	150.0	± 9.6 %
		Y	6.05	67.48	16.27		150.0	
		Z	5.97	67.24	16.12		150.0	
10556-AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.91	67.21	16.04	0.00	150.0	± 9.6 %
		Y	6.07	67.50	16.28		150.0	
		Z	5.99	67.29	16.14		150.0	
10557-AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.88	67.11	16.01	0.00	150.0	± 9.6 %
		Y	6.05	67.46	16.28		150.0	
		Z	5.96	67.20	16.11		150.0	

10558-AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	5.92	67.27	16.10	0.00	150.0	± 9.6 %
		Y	6.11	67.65	16.38		150.0	
		Z	6.01	67.37	16.21		150.0	
10560-AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.92	67.13	16.07	0.00	150.0	± 9.6 %
		Y	6.10	67.49	16.34		150.0	
		Z	6.00	67.22	16.18		150.0	
10561-AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.85	67.10	16.09	0.00	150.0	± 9.6 %
		Y	6.02	67.44	16.36		150.0	
		Z	5.92	67.18	16.20		150.0	
10562-AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.95	67.44	16.26	0.00	150.0	± 9.6 %
		Y	6.17	67.91	16.60		150.0	
		Z	6.06	67.60	16.40		150.0	
10563-AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.12	67.56	16.28	0.00	150.0	± 9.6 %
		Y	6.49	68.42	16.80		150.0	
		Z	6.36	68.10	16.61		150.0	
10564-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	X	4.79	66.81	16.11	0.46	150.0	± 9.6 %
		Y	4.97	67.04	16.41		150.0	
		Z	4.86	66.83	16.22		150.0	
10565-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	X	5.01	67.24	16.43	0.46	150.0	± 9.6 %
		Y	5.23	67.50	16.72		150.0	
		Z	5.10	67.28	16.54		150.0	
10566-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	X	4.84	67.08	16.24	0.46	150.0	± 9.6 %
		Y	5.06	67.38	16.56		150.0	
		Z	4.93	67.13	16.35		150.0	
10567-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	X	4.87	67.44	16.58	0.46	150.0	± 9.6 %
		Y	5.08	67.73	16.87		150.0	
		Z	4.96	67.49	16.69		150.0	
10568-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	X	4.76	66.89	16.03	0.46	150.0	± 9.6 %
		Y	4.98	67.15	16.34		150.0	
		Z	4.85	66.93	16.14		150.0	
10569-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	X	4.83	67.56	16.65	0.46	150.0	± 9.6 %
		Y	5.02	67.75	16.89		150.0	
		Z	4.91	67.57	16.74		150.0	
10570-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	X	4.86	67.40	16.58	0.46	150.0	± 9.6 %
		Y	5.07	67.61	16.84		150.0	
		Z	4.95	67.42	16.68		150.0	
10571-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.23	64.77	15.07	0.46	130.0	± 9.6 %
		Y	1.36	66.29	16.29		130.0	
		Z	1.26	65.09	15.40		130.0	
10572-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.25	65.30	15.38	0.46	130.0	± 9.6 %
		Y	1.39	66.93	16.65		130.0	
		Z	1.28	65.66	15.73		130.0	
10573-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.67	78.46	19.14	0.46	130.0	± 9.6 %
		Y	5.69	97.67	26.24		130.0	
		Z	2.12	82.08	20.66		130.0	
10574-AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.35	70.14	17.64	0.46	130.0	± 9.6 %
		Y	1.67	73.70	19.74		130.0	
		Z	1.43	71.03	18.22		130.0	

10575-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	X	4.61	66.70	16.21	0.46	130.0	± 9.6 %
		Y	4.80	66.93	16.52		130.0	
		Z	4.68	66.72	16.32		130.0	
10576-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	X	4.63	66.85	16.27	0.46	130.0	± 9.6 %
		Y	4.82	67.07	16.57		130.0	
		Z	4.71	66.87	16.38		130.0	
10577-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	X	4.82	67.13	16.44	0.46	130.0	± 9.6 %
		Y	5.05	67.39	16.75		130.0	
		Z	4.91	67.17	16.55		130.0	
10578-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	X	4.72	67.27	16.53	0.46	130.0	± 9.6 %
		Y	4.94	67.55	16.83		130.0	
		Z	4.81	67.32	16.64		130.0	
10579-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	X	4.50	66.59	15.86	0.46	130.0	± 9.6 %
		Y	4.73	66.98	16.24		130.0	
		Z	4.59	66.66	15.99		130.0	
10580-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X	4.54	66.63	15.89	0.46	130.0	± 9.6 %
		Y	4.77	66.95	16.24		130.0	
		Z	4.63	66.68	16.01		130.0	
10581-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	X	4.63	67.32	16.48	0.46	130.0	± 9.6 %
		Y	4.85	67.63	16.79		130.0	
		Z	4.71	67.36	16.59		130.0	
10582-AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	X	4.44	66.35	15.65	0.46	130.0	± 9.6 %
		Y	4.68	66.75	16.05		130.0	
		Z	4.53	66.43	15.79		130.0	
10583-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.61	66.70	16.21	0.46	130.0	± 9.6 %
		Y	4.80	66.93	16.52		130.0	
		Z	4.68	66.72	16.32		130.0	
10584-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.63	66.85	16.27	0.46	130.0	± 9.6 %
		Y	4.82	67.07	16.57		130.0	
		Z	4.71	66.87	16.38		130.0	
10585-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.82	67.13	16.44	0.46	130.0	± 9.6 %
		Y	5.05	67.39	16.75		130.0	
		Z	4.91	67.17	16.55		130.0	
10586-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.72	67.27	16.53	0.46	130.0	± 9.6 %
		Y	4.94	67.55	16.83		130.0	
		Z	4.81	67.32	16.64		130.0	
10587-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.50	66.59	15.86	0.46	130.0	± 9.6 %
		Y	4.73	66.98	16.24		130.0	
		Z	4.59	66.66	15.99		130.0	
10588-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.54	66.63	15.89	0.46	130.0	± 9.6 %
		Y	4.77	66.95	16.24		130.0	
		Z	4.63	66.68	16.01		130.0	
10589-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.63	67.32	16.48	0.46	130.0	± 9.6 %
		Y	4.85	67.63	16.79		130.0	
		Z	4.71	67.36	16.59		130.0	
10590-AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.44	66.35	15.65	0.46	130.0	± 9.6 %
		Y	4.68	66.75	16.05		130.0	
		Z	4.53	66.43	15.79		130.0	

10591-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.76	66.76	16.32	0.46	130.0	± 9.6 %
		Y	4.94	66.97	16.60		130.0	
		Z	4.83	66.78	16.42		130.0	
10592-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	4.90	67.08	16.45	0.46	130.0	± 9.6 %
		Y	5.12	67.31	16.72		130.0	
		Z	4.99	67.11	16.55		130.0	
10593-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.82	66.99	16.32	0.46	130.0	± 9.6 %
		Y	5.05	67.27	16.64		130.0	
		Z	4.91	67.03	16.44		130.0	
10594-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.88	67.15	16.48	0.46	130.0	± 9.6 %
		Y	5.10	67.41	16.77		130.0	
		Z	4.97	67.19	16.59		130.0	
10595-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.85	67.11	16.38	0.46	130.0	± 9.6 %
		Y	5.07	67.38	16.68		130.0	
		Z	4.94	67.14	16.49		130.0	
10596-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.78	67.10	16.38	0.46	130.0	± 9.6 %
		Y	5.01	67.39	16.68		130.0	
		Z	4.87	67.15	16.49		130.0	
10597-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.73	67.00	16.26	0.46	130.0	± 9.6 %
		Y	4.96	67.33	16.59		130.0	
		Z	4.82	67.06	16.38		130.0	
10598-AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.72	67.22	16.51	0.46	130.0	± 9.6 %
		Y	4.94	67.55	16.83		130.0	
		Z	4.80	67.28	16.63		130.0	
10599-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.42	67.30	16.55	0.46	130.0	± 9.6 %
		Y	5.61	67.56	16.80		130.0	
		Z	5.49	67.33	16.64		130.0	
10600-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.55	67.70	16.72	0.46	130.0	± 9.6 %
		Y	5.79	68.09	17.04		130.0	
		Z	5.65	67.82	16.85		130.0	
10601-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.44	67.45	16.61	0.46	130.0	± 9.6 %
		Y	5.65	67.77	16.89		130.0	
		Z	5.53	67.53	16.73		130.0	
10602-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.54	67.51	16.57	0.46	130.0	± 9.6 %
		Y	5.74	67.78	16.82		130.0	
		Z	5.62	67.54	16.66		130.0	
10603-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.61	67.77	16.83	0.46	130.0	± 9.6 %
		Y	5.83	68.07	17.09		130.0	
		Z	5.70	67.85	16.93		130.0	
10604-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.45	67.33	16.59	0.46	130.0	± 9.6 %
		Y	5.61	67.51	16.80		130.0	
		Z	5.50	67.29	16.64		130.0	
10605-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.54	67.60	16.73	0.46	130.0	± 9.6 %
		Y	5.71	67.82	16.96		130.0	
		Z	5.62	67.65	16.83		130.0	
10606-AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.28	66.92	16.25	0.46	130.0	± 9.6 %
		Y	5.50	67.32	16.58		130.0	
		Z	5.38	67.07	16.40		130.0	

10607-AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.59	66.03	15.92	0.46	130.0	± 9.6 %
		Y	4.77	66.25	16.20		130.0	
		Z	4.66	66.05	16.02		130.0	
10608-AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.76	66.42	16.08	0.46	130.0	± 9.6 %
		Y	4.98	66.67	16.36		130.0	
		Z	4.85	66.45	16.18		130.0	
10609-AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.65	66.26	15.92	0.46	130.0	± 9.6 %
		Y	4.87	66.56	16.23		130.0	
		Z	4.74	66.31	16.03		130.0	
10610-AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.70	66.42	16.08	0.46	130.0	± 9.6 %
		Y	4.92	66.71	16.38		130.0	
		Z	4.79	66.46	16.19		130.0	
10611-AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.62	66.23	15.93	0.46	130.0	± 9.6 %
		Y	4.85	66.54	16.25		130.0	
		Z	4.71	66.28	16.04		130.0	
10612-AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.63	66.38	15.97	0.46	130.0	± 9.6 %
		Y	4.86	66.70	16.29		130.0	
		Z	4.72	66.43	16.08		130.0	
10613-AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.63	66.26	15.85	0.46	130.0	± 9.6 %
		Y	4.88	66.63	16.20		130.0	
		Z	4.73	66.34	15.98		130.0	
10614-AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.57	66.43	16.07	0.46	130.0	± 9.6 %
		Y	4.80	66.78	16.40		130.0	
		Z	4.66	66.50	16.19		130.0	
10615-AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.62	66.08	15.71	0.46	130.0	± 9.6 %
		Y	4.85	66.39	16.04		130.0	
		Z	4.71	66.12	15.83		130.0	
10616-AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.23	66.50	16.13	0.46	130.0	± 9.6 %
		Y	5.42	66.79	16.39		130.0	
		Z	5.31	66.56	16.23		130.0	
10617-AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.30	66.69	16.20	0.46	130.0	± 9.6 %
		Y	5.47	66.89	16.41		130.0	
		Z	5.37	66.73	16.29		130.0	
10618-AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.18	66.68	16.21	0.46	130.0	± 9.6 %
		Y	5.37	66.96	16.46		130.0	
		Z	5.26	66.73	16.30		130.0	
10619-AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.20	66.49	16.05	0.46	130.0	± 9.6 %
		Y	5.40	66.81	16.33		130.0	
		Z	5.29	66.58	16.16		130.0	
10620-AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.28	66.53	16.12	0.46	130.0	± 9.6 %
		Y	5.51	66.90	16.42		130.0	
		Z	5.38	66.62	16.24		130.0	
10621-AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.29	66.66	16.30	0.46	130.0	± 9.6 %
		Y	5.48	66.94	16.55		130.0	
		Z	5.37	66.71	16.39		130.0	
10622-AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.30	66.81	16.37	0.46	130.0	± 9.6 %
		Y	5.48	67.05	16.60		130.0	
		Z	5.38	66.87	16.47		130.0	

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

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

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

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

APPENDIX D: SAR TISSUE SPECIFICATIONS

Measurement Procedure for Tissue verification:

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

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

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

Table D-I
Composition of the Tissue Equivalent Matter

Frequency (MHz)	750	750	835	835	1750	1750	1900	1900	2450	2450
Tissue	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Ingredients (% by weight)										
Bactericide	See page 2-3	See page 2	0.1	0.1					See page 4	
DGBE					47	31	44.92	29.44		26.7
HEC			1	1						
NaCl			1.45	0.94	0.4	0.2	0.18	0.39		0.1
Sucrose			57	44.9						
Water			40.45	53.06	52.6	68.8	54.9	70.17		73.2

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 Head and Body Tissue Equivalent Matter

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

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Measurement Certificate / Material Test

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

Measurement Method
TSL dielectric parameters measured using calibrated DAK probe.

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

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

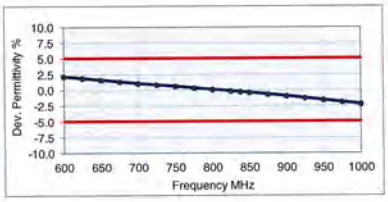
Test Condition

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

Additional Information

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

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



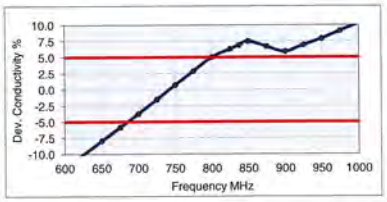


Figure D-2
750MHz Body Tissue Equivalent Matter

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Measurement Certificate / Material Test

Item Name	**Head Tissue Simulating Liquid (HSL750V2)**
Product No.	SL AAH 075 AA (Batch: 170612-4)
Manufacturer	SPEAG

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation

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

Target Parameters

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

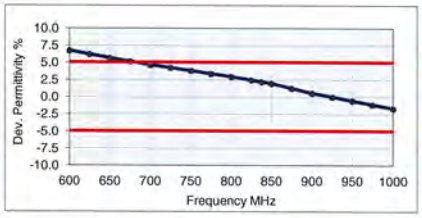
Test Condition

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

Additional Information

TSL Density	1.284 g/cm^3
TSL Heat-capacity	2.701 kJ/(kg*K)

	Measured			Target		Diff.to Target [%]	
f [MHz]	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma
600	45.6	22.97	0.77	42.7	0.88	6.7	-13.1
625	45.2	22.73	0.79	42.6	0.88	6.2	-10.6
650	44.9	22.49	0.81	42.5	0.89	5.6	-8.2
675	44.5	22.27	0.84	42.3	0.89	5.1	-5.8
700	44.2	22.05	0.86	42.2	0.89	4.6	-3.5
725	43.8	21.88	0.88	42.1	0.89	4.2	-1.0
750	**43.5**	**21.72**	**0.91**	**41.9**	**0.89**	**3.8**	**1.4**
775	43.2	21.55	0.93	41.8	0.90	3.4	3.7
800	42.9	21.38	0.95	41.7	0.90	2.9	6.0
825	42.6	21.24	0.97	41.6	0.91	2.4	7.5
838	42.5	21.17	0.99	41.5	0.91	2.2	8.2
850	42.3	21.09	1.00	41.5	0.92	2.0	8.9
875	42.0	20.98	1.02	41.5	0.94	1.2	8.3
900	41.7	20.87	1.05	41.5	0.97	0.5	7.7
925	41.5	20.76	1.07	41.5	0.98	0.0	8.7
950	41.2	20.64	1.09	41.4	0.99	-0.6	9.7
975	40.9	20.55	1.11	41.4	1.00	-1.1	10.9
1000	40.6	20.46	1.14	41.3	1.01	-1.7	12.1



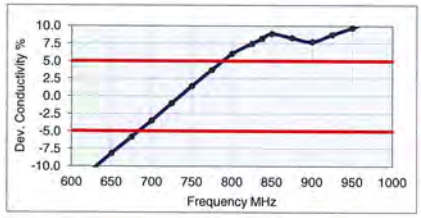


Figure D-3
750MHz Head Tissue Equivalent Matter

3 Composition / Information on ingredients

The Item is composed of the following ingredients:

Water	50 – 73 %	
Non-ionic detergents	25 – 50 %	polyoxyethylenesorbitan monolaurate
NaCl	0 – 2 %	
Preservative	0.05 – 0.1%	Preventol-D7

Safety relevant ingredients:

CAS-No. 55965-84-9	< 0.1 %	aqueous preparation, containing 5-chloro-2-methyl-3(2H)-isothiazolone and 2-methyyl-3(2H)-isothiazolone
CAS-No. 9005-64-5	<50 %	polyoxyethylenesorbitan monolaurate

According to international guidelines, the product is not a dangerous mixture and therefore not required to be marked by symbols.

Figure D-4
Composition of 2.45 GHz Head Tissue Equivalent Matter

Note: 2.45 GHz head liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

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Measurement Certificate / Material Test

Item Name	**Head Tissue Simulating Liquid (HBBL1900-3800V3)**
Product No.	SL AAH 196 AB (Batch: 170619-1)
Manufacturer	SPEAG

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Setup Validation

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

Target Parameters

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

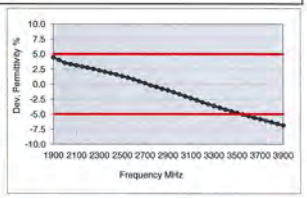
Test Condition

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

Additional Information

TSL Density	1.054 g/cm³
TSL Heat-capacity	3.389 kJ/(kg*K)

	Measured			Target		Diff.to Target [%]	
f [MHz]	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma
1900	41.8	12.2	1.3	40.0	1.4	4.5	-8.2
1950	41.6	12.3	1.3	40.0	1.4	4.0	-4.6
2000	41.4	12.4	1.4	40.0	1.4	3.6	-1.3
2050	41.2	12.6	1.4	39.9	1.4	3.3	-0.9
2100	41.1	12.7	1.5	39.8	1.5	3.1	-0.6
2150	40.9	12.8	1.5	39.7	1.5	2.9	-0.2
2200	40.7	12.9	1.6	39.6	1.6	2.7	0.2
2250	40.6	13.0	1.6	39.6	1.6	2.5	0.5
2300	40.4	13.2	1.7	39.5	1.7	2.3	1.1
2350	40.2	13.3	1.7	39.4	1.7	2.1	1.5
2400	40.0	13.4	1.8	39.3	1.8	1.8	2.1
2450	39.8	13.5	1.8	39.2	1.8	1.6	2.6
2500	39.7	13.7	1.9	39.1	1.9	1.3	2.6
2550	39.5	13.7	2.0	39.1	1.9	1.1	2.2
2600	39.3	13.9	2.0	39.0	2.0	0.8	2.5
2650	39.1	14.0	2.1	38.9	2.0	0.5	2.6
2700	39.0	14.2	2.1	38.9	2.1	0.2	2.7
2750	38.7	14.3	2.2	38.8	2.1	-0.2	2.6
2800	38.6	14.4	2.2	38.8	2.2	-0.4	2.5
2850	38.4	14.5	2.3	38.7	2.2	-0.8	2.6
2900	38.2	14.6	2.3	38.6	2.3	-1.0	2.6
2950	38.1	14.7	2.4	38.6	2.3	-1.3	2.6
3000	37.9	14.8	2.5	38.5	2.4	-1.7	2.6
3050	37.7	14.8	2.5	38.4	2.5	-2.0	2.8
3100	37.5	14.9	2.6	38.4	2.5	-2.3	2.8
3150	37.3	15.0	2.6	38.3	2.6	-2.6	2.9
3200	37.1	15.1	2.7	38.3	2.6	-3.0	2.9
3250	37.0	15.1	2.7	38.2	2.7	-3.3	3.0
3300	36.8	15.2	2.8	38.2	2.7	-3.6	3.1
3350	36.6	15.3	2.8	38.1	2.8	-3.9	3.2
3400	36.4	15.3	2.9	38.0	2.8	-4.2	3.3
3450	36.3	15.4	3.0	38.0	2.9	-4.5	3.4
3500	36.1	15.5	3.0	37.9	2.9	-4.8	3.5
3550	36.0	15.5	3.1	37.9	3.0	-5.0	3.6
3600	35.8	15.6	3.1	37.8	3.0	-5.3	3.8
3650	35.7	15.7	3.2	37.8	3.1	-5.6	3.7
3700	35.5	15.7	3.2	37.7	3.1	-5.8	3.9
3750	35.4	15.8	3.3	37.6	3.2	-6.1	3.9
3800	35.2	15.9	3.4	37.6	3.2	-6.3	4.1
3850	35.1	15.9	3.4	37.5	3.3	-6.6	4.1



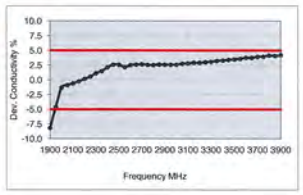


Figure D-5
2.45 GHz Head Tissue Equivalent Matter

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. 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-I
SAR System Validation Summary (1g)

SAR SYSTEM #	FREQ. [MHz]	DATE	PROBE SN	PROBE TYPE	PROBE CAL. POINT		COND. (σ)	PERM. (εr)	CW VALIDATION			MOD. VALIDATION		
									SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM7	750	4/17/2018	3329	ES3DV3	750	Head	0.895	42.645	PASS	PASS	PASS	N/A	N/A	N/A
AM3	835	2/7/2018	3288	ES3DV3	835	Head	0.919	41.769	PASS	PASS	PASS	GMSK	PASS	N/A
AM8	835	6/22/2018	3287	ES3DV3	835	Head	0.889	41.545	PASS	PASS	PASS	GMSK	PASS	N/A
AM2	1750	7/5/2018	3022	ES3DV2	1750	Head	1.400	38.589	PASS	PASS	PASS	N/A	N/A	N/A
AM2	1900	6/18/2018	3022	ES3DV2	1900	Head	1.431	39.467	PASS	PASS	PASS	GMSK	PASS	N/A
AM5	2450	6/13/2018	7490	EX3DV4	2450	Head	1.834	40.590	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM6	2450	4/17/2018	3131	ES3DV3	2450	Head	1.863	39.590	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM4	2600	6/19/2018	3119	ES3DV3	2600	Head	1.950	39.423	PASS	PASS	PASS	TDD	PASS	N/A

Table E-II
SAR System Validation Summary (10g)

SAR SYSTEM #	FREQ. [MHz]	DATE	PROBE SN	PROBE TYPE	PROBE CAL. POINT		COND. (σ)	PERM. (εr)	CW VALIDATION			MOD. VALIDATION		
									SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM5	750	4/24/2018	7490	EX3DV4	750	Body	0.940	57.400	PASS	PASS	PASS	N/A	N/A	N/A
AM4	835	6/21/2018	3119	ES3DV3	835	Body	0.968	55.084	PASS	PASS	PASS	GMSK	PASS	N/A
AM2	1750	6/28/2018	3022	ES3DV2	1750	Body	1.528	51.032	PASS	PASS	PASS	N/A	N/A	N/A
AM2	1900	7/2/2018	3022	ES3DV2	1900	Body	1.572	53.288	PASS	PASS	PASS	GMSK	PASS	N/A
AM3	2450	2/2/2018	3288	ES3DV3	2450	Body	2.037	50.916	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM1	2450	6/5/2018	3275	ES3DV3	2450	Body	2.009	52.410	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM3	2600	2/2/2018	3288	ES3DV3	2600	Body	2.250	50.297	PASS	PASS	PASS	TDD	PASS	N/A

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.