

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7346

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	10.10	10.10	10.10	0.47	0.80	± 12.0 %
835	55.2	0.97	9.95	9.95	9.95	0.51	0.80	± 12.0 %
900	55.0	1.05	9.71	9.71	9.71	0.53	0.80	± 12.0 %
1450	54.0	1.30	8.86	8.86	8.86	0.36	0.80	± 12.0 %
1750	53.4	1.49	8.38	8.38	8.38	0.43	0.80	± 12.0 %
1900	53.3	1.52	8.01	8.01	8.01	0.35	0.92	± 12.0 %
2000	53.3	1.52	8.23	8.23	8.23	0.36	0.89	± 12.0 %
2300	52.9	1.81	7.86	7.86	7.86	0.43	0.83	± 12.0 %
2450	52.7	1.95	7.68	7.68	7.68	0.40	0.89	± 12.0 %
2600	52.5	2.16	7.44	7.44	7.44	0.31	0.95	± 12.0 %
3500	51.3	3.31	7.01	7.01	7.01	0.30	1.20	± 13.1 %
5250	48.9	5.36	5.18	5.18	5.18	0.40	1.90	± 13.1 %
5600	48.5	5.77	4.33	4.33	4.33	0.45	1.90	± 13.1 %
5750	48.3	5.94	4.69	4.69	4.69	0.45	1.90	± 13.1 %

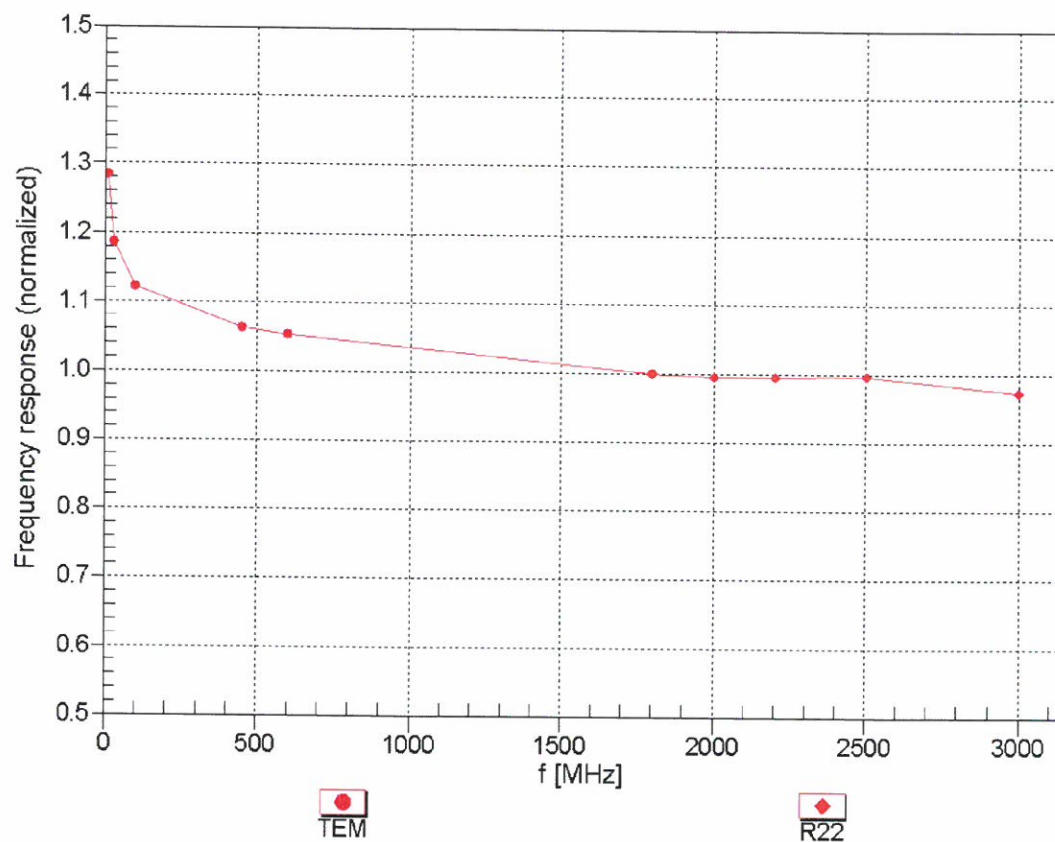
^C Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 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

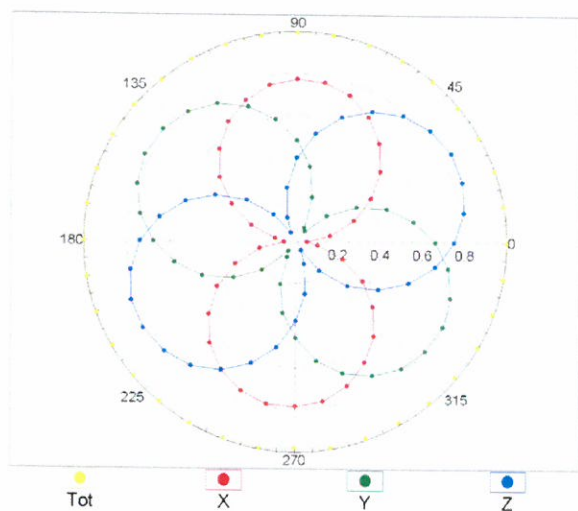
(TEM-Cell:ifi110 EXX, Waveguide: R22)



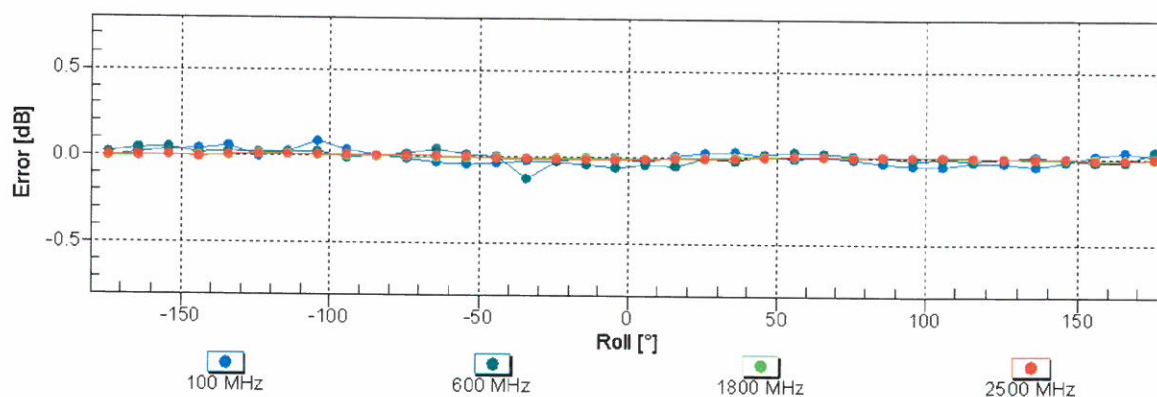
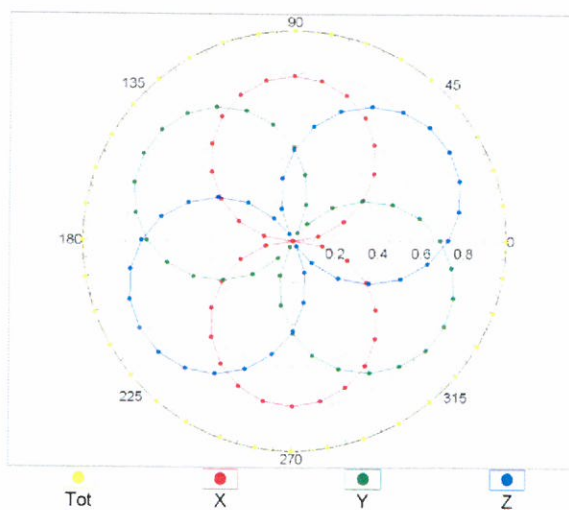
Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ ($k=2$)

Receiving Pattern (ϕ), $\theta = 0^\circ$

f=600 MHz,TEM

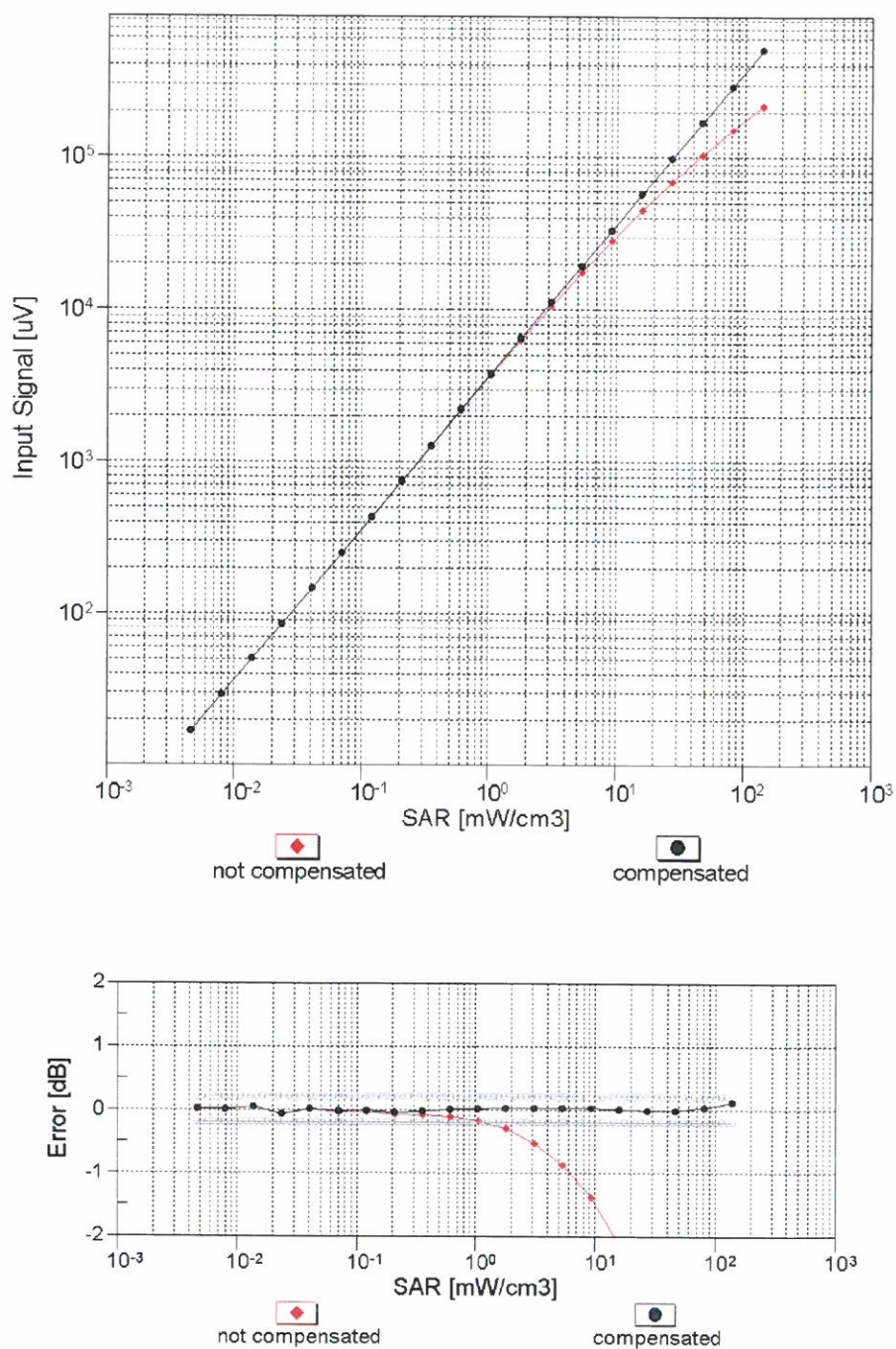


f=1800 MHz,R22



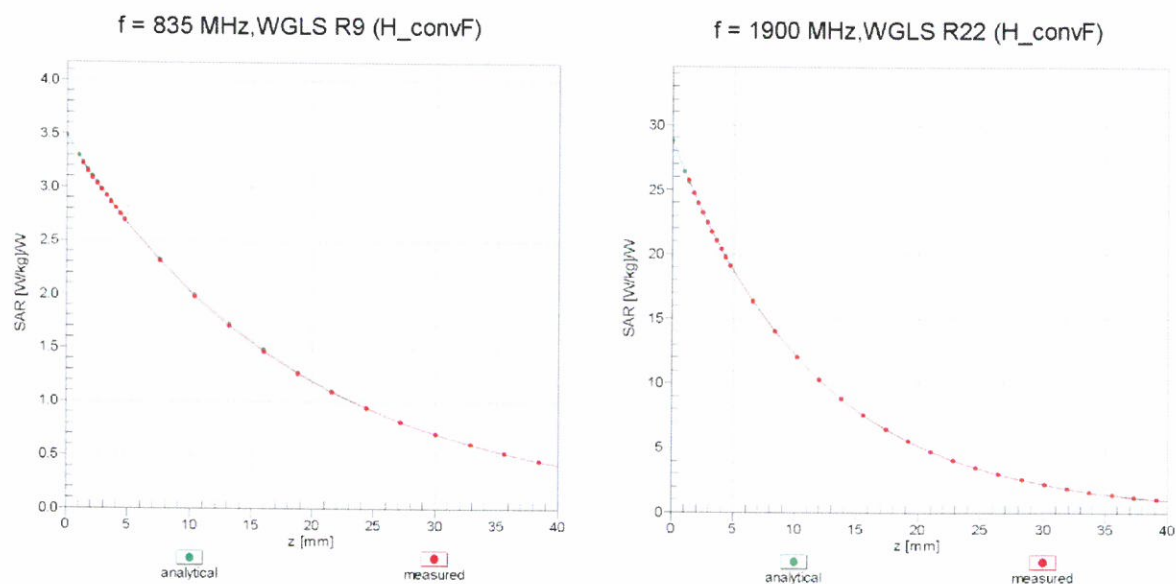
Uncertainty of Axial Isotropy Assessment: $\pm 0.5\%$ ($k=2$)

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



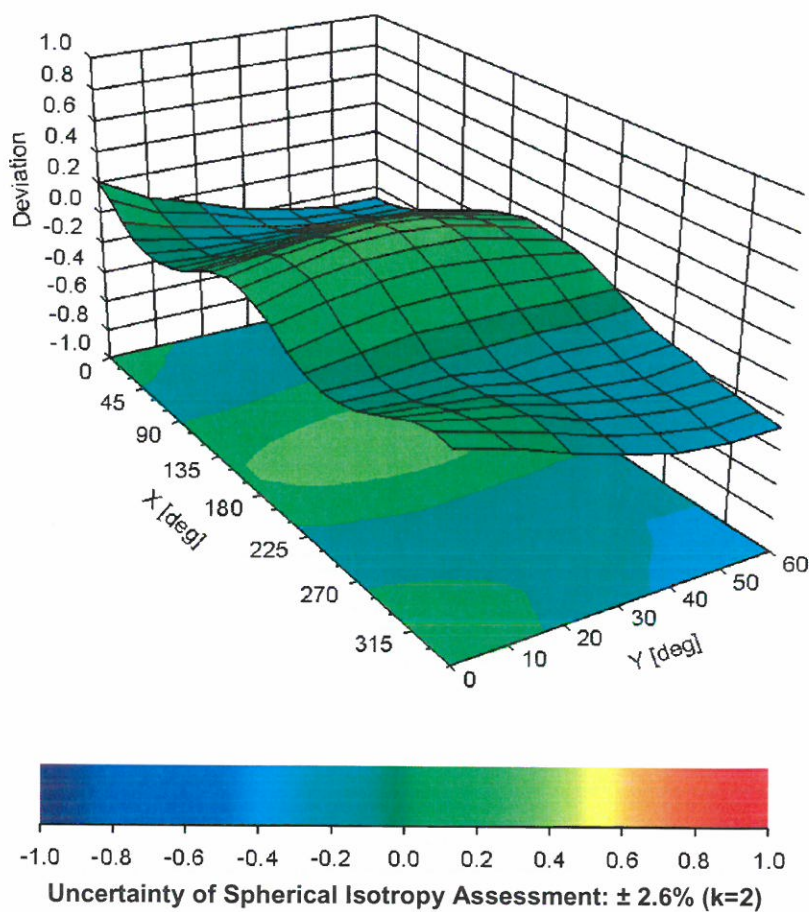
Uncertainty of Linearity Assessment: $\pm 0.6\%$ ($k=2$)

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ , θ), $f = 900 \text{ MHz}$



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Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	55.7
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB $\sqrt{\mu V}$	C	D dB	VR mV	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	151.9	$\pm 3.3 \%$
		Y	0.00	0.00	1.00		153.7	
		Z	0.00	0.00	1.00		142.3	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	X	2.59	68.52	11.04	10.00	20.0	$\pm 9.6 \%$
		Y	2.85	69.25	11.37		20.0	
		Z	2.49	68.07	10.79		20.0	
10011- CAB	UMTS-FDD (WCDMA)	X	1.09	68.33	15.91	0.00	150.0	$\pm 9.6 \%$
		Y	0.95	66.45	14.58		150.0	
		Z	1.19	70.23	17.02		150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.18	64.18	15.66	0.41	150.0	$\pm 9.6 \%$
		Y	1.12	63.49	14.99		150.0	
		Z	1.19	64.68	16.12		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.93	66.71	17.25	1.46	150.0	$\pm 9.6 \%$
		Y	4.76	66.79	17.11		150.0	
		Z	4.92	66.82	17.35		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	X	100.00	115.41	27.36	9.39	50.0	$\pm 9.6 \%$
		Y	100.00	116.53	27.86		50.0	
		Z	100.00	115.19	27.24		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	100.00	114.75	27.10	9.57	50.0	$\pm 9.6 \%$
		Y	100.00	115.31	27.36		50.0	
		Z	100.00	114.48	26.96		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	117.78	27.58	6.56	60.0	$\pm 9.6 \%$
		Y	100.00	123.97	29.95		60.0	
		Z	100.00	118.31	27.76		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	6.92	91.12	38.36	12.57	50.0	$\pm 9.6 \%$
		Y	3.65	68.11	25.74		50.0	
		Z	8.75	99.88	42.34		50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	12.36	103.25	38.04	9.56	60.0	$\pm 9.6 \%$
		Y	6.08	85.17	31.15		60.0	
		Z	13.14	105.61	39.08		60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	121.54	28.54	4.80	80.0	$\pm 9.6 \%$
		Y	100.00	133.80	33.24		80.0	
		Z	100.00	123.14	29.16		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	126.68	30.04	3.55	100.0	$\pm 9.6 \%$
		Y	100.00	145.58	37.23		100.0	
		Z	100.00	129.94	31.33		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	6.58	86.43	30.30	7.80	80.0	$\pm 9.6 \%$
		Y	4.17	76.10	25.95		80.0	
		Z	6.63	87.12	30.77		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	117.36	27.03	5.30	70.0	$\pm 9.6 \%$
		Y	100.00	124.44	29.60		70.0	
		Z	100.00	118.23	27.34		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	130.40	30.05	1.88	100.0	$\pm 9.6 \%$
		Y	100.00	148.18	36.27		100.0	
		Z	100.00	138.01	32.99		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	145.38	34.81	1.17	100.0	± 9.6 %
		Y	100.00	162.91	40.57		100.0	
		Z	100.00	163.29	41.55		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	100.00	136.21	37.87	5.30	70.0	± 9.6 %
		Y	100.00	135.23	36.91		70.0	
		Z	100.00	136.63	38.00		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	7.72	93.44	24.80	1.88	100.0	± 9.6 %
		Y	5.62	88.22	22.07		100.0	
		Z	15.46	104.44	27.99		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	3.28	81.23	20.42	1.17	100.0	± 9.6 %
		Y	2.37	76.72	17.63		100.0	
		Z	4.84	87.49	22.60		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	100.00	136.77	38.13	5.30	70.0	± 9.6 %
		Y	100.00	136.00	37.26		70.0	
		Z	100.00	137.21	38.27		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	6.89	91.85	24.29	1.88	100.0	± 9.6 %
		Y	4.49	85.28	21.12		100.0	
		Z	12.97	101.91	27.28		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	3.33	81.81	20.75	1.17	100.0	± 9.6 %
		Y	2.39	77.12	17.93		100.0	
		Z	4.96	88.27	23.00		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	2.12	73.85	16.86	0.00	150.0	± 9.6 %
		Y	1.46	69.75	13.90		150.0	
		Z	2.67	77.55	18.33		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	100.00	111.97	25.19	7.78	50.0	± 9.6 %
		Y	100.00	114.13	25.96		50.0	
		Z	100.00	111.92	25.13		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	101.35	2.09	0.00	150.0	± 9.6 %
		Y	0.00	102.84	7.52		150.0	
		Z	0.00	107.06	1.19		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	100.00	112.47	27.19	13.80	25.0	± 9.6 %
		Y	100.00	108.92	26.05		25.0	
		Z	100.00	111.46	26.76		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	100.00	112.22	26.19	10.79	40.0	± 9.6 %
		Y	100.00	111.37	25.95		40.0	
		Z	1640.36	144.43	32.48		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	129.59	35.90	9.03	50.0	± 9.6 %
		Y	100.00	127.29	34.53		50.0	
		Z	100.00	129.42	35.78		50.0	
10058-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	4.87	79.45	26.49	6.55	100.0	± 9.6 %
		Y	3.45	72.38	23.37		100.0	
		Z	4.85	79.80	26.80		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.23	65.50	16.47	0.61	110.0	± 9.6 %
		Y	1.14	64.43	15.63		110.0	
		Z	1.25	66.12	16.99		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	144.75	38.60	1.30	110.0	± 9.6 %
		Y	11.91	112.95	31.60		110.0	
		Z	100.00	147.77	39.86		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	4.49	90.52	26.81	2.04	110.0	± 9.6 %
		Y	2.25	79.26	22.82		110.0	
		Z	5.70	95.87	28.86		110.0	
10062-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.74	66.71	16.64	0.49	100.0	± 9.6 %
		Y	4.56	66.73	16.47		100.0	
		Z	4.73	66.83	16.75		100.0	
10063-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.76	66.82	16.76	0.72	100.0	± 9.6 %
		Y	4.57	66.84	16.59		100.0	
		Z	4.75	66.93	16.87		100.0	
10064-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.06	67.11	17.00	0.86	100.0	± 9.6 %
		Y	4.84	67.07	16.81		100.0	
		Z	5.05	67.21	17.11		100.0	
10065-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.92	67.02	17.13	1.21	100.0	± 9.6 %
		Y	4.71	66.96	16.93		100.0	
		Z	4.91	67.12	17.23		100.0	
10066-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.94	67.04	17.30	1.46	100.0	± 9.6 %
		Y	4.72	66.97	17.10		100.0	
		Z	4.93	67.14	17.41		100.0	
10067-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.22	67.15	17.73	2.04	100.0	± 9.6 %
		Y	5.01	67.21	17.59		100.0	
		Z	5.21	67.25	17.84		100.0	
10068-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.28	67.27	18.01	2.55	100.0	± 9.6 %
		Y	5.04	67.15	17.79		100.0	
		Z	5.26	67.35	18.10		100.0	
10069-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.35	67.21	18.18	2.67	100.0	± 9.6 %
		Y	5.11	67.16	17.97		100.0	
		Z	5.34	67.31	18.27		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.02	66.79	17.57	1.99	100.0	± 9.6 %
		Y	4.85	66.86	17.43		100.0	
		Z	5.01	66.89	17.67		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.00	67.15	17.82	2.30	100.0	± 9.6 %
		Y	4.81	67.14	17.66		100.0	
		Z	4.99	67.25	17.92		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.05	67.28	18.15	2.83	100.0	± 9.6 %
		Y	4.86	67.29	18.00		100.0	
		Z	5.04	67.39	18.26		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.01	67.13	18.30	3.30	100.0	± 9.6 %
		Y	4.85	67.18	18.16		100.0	
		Z	5.00	67.23	18.40		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.04	67.27	18.65	3.82	90.0	± 9.6 %
		Y	4.86	67.20	18.44		90.0	
		Z	5.03	67.36	18.75		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.03	66.96	18.72	4.15	90.0	± 9.6 %
		Y	4.88	67.01	18.58		90.0	
		Z	5.02	67.06	18.82		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.04	67.00	18.81	4.30	90.0	± 9.6 %
		Y	4.91	67.07	18.68		90.0	
		Z	5.03	67.10	18.91		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.94	67.27	13.60	0.00	150.0	± 9.6 %
		Y	0.70	64.48	10.97		150.0	
		Z	1.07	69.57	14.72		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	0.67	60.00	4.28	4.77	80.0	± 9.6 %
		Y	0.54	60.00	3.82		80.0	
		Z	0.65	60.00	4.21		80.0	
10090-DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	117.81	27.62	6.56	60.0	± 9.6 %
		Y	100.00	124.00	29.99		60.0	
		Z	100.00	118.34	27.80		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.88	67.99	16.01	0.00	150.0	± 9.6 %
		Y	1.76	67.57	15.32		150.0	
		Z	1.95	68.92	16.57		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.84	67.96	15.98	0.00	150.0	± 9.6 %
		Y	1.72	67.51	15.28		150.0	
		Z	1.91	68.91	16.56		150.0	
10099-DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	12.53	103.59	38.16	9.56	60.0	± 9.6 %
		Y	6.13	85.35	31.23		60.0	
		Z	13.34	105.98	39.20		60.0	
10100-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.25	70.83	16.97	0.00	150.0	± 9.6 %
		Y	2.96	69.80	16.42		150.0	
		Z	3.36	71.55	17.40		150.0	
10101-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.31	67.74	16.10	0.00	150.0	± 9.6 %
		Y	3.12	67.24	15.72		150.0	
		Z	3.34	68.05	16.34		150.0	
10102-CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.41	67.67	16.17	0.00	150.0	± 9.6 %
		Y	3.23	67.26	15.83		150.0	
		Z	3.43	67.96	16.40		150.0	
10103-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	7.10	78.65	22.05	3.98	65.0	± 9.6 %
		Y	5.86	76.47	21.32		65.0	
		Z	6.86	78.31	22.01		65.0	
10104-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	6.47	74.96	21.35	3.98	65.0	± 9.6 %
		Y	5.44	72.65	20.34		65.0	
		Z	6.45	75.13	21.50		65.0	
10105-CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	6.35	74.46	21.46	3.98	65.0	± 9.6 %
		Y	5.36	72.10	20.38		65.0	
		Z	5.88	73.13	20.92		65.0	
10108-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.85	70.03	16.80	0.00	150.0	± 9.6 %
		Y	2.56	69.06	16.23		150.0	
		Z	2.93	70.76	17.25		150.0	
10109-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.97	67.59	16.03	0.00	150.0	± 9.6 %
		Y	2.77	67.13	15.58		150.0	
		Z	3.00	67.96	16.30		150.0	
10110-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.32	69.13	16.46	0.00	150.0	± 9.6 %
		Y	2.06	68.17	15.73		150.0	
		Z	2.39	69.97	16.97		150.0	
10111-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.69	68.37	16.35	0.00	150.0	± 9.6 %
		Y	2.50	68.16	15.85		150.0	
		Z	2.74	68.95	16.71		150.0	

10112-CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.09	67.54	16.07	0.00	150.0	± 9.6 %
		Y	2.89	67.19	15.67		150.0	
		Z	3.12	67.89	16.32		150.0	
10113-CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.84	68.47	16.46	0.00	150.0	± 9.6 %
		Y	2.65	68.37	16.01		150.0	
		Z	2.89	69.01	16.80		150.0	
10114-CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.17	67.21	16.49	0.00	150.0	± 9.6 %
		Y	5.00	67.10	16.32		150.0	
		Z	5.18	67.33	16.61		150.0	
10115-CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.50	67.44	16.61	0.00	150.0	± 9.6 %
		Y	5.25	67.17	16.36		150.0	
		Z	5.49	67.51	16.70		150.0	
10116-CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.28	67.44	16.53	0.00	150.0	± 9.6 %
		Y	5.08	67.28	16.34		150.0	
		Z	5.28	67.55	16.64		150.0	
10117-CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.15	67.12	16.46	0.00	150.0	± 9.6 %
		Y	4.98	67.02	16.30		150.0	
		Z	5.15	67.21	16.57		150.0	
10118-CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.58	67.63	16.71	0.00	150.0	± 9.6 %
		Y	5.32	67.33	16.45		150.0	
		Z	5.57	67.72	16.81		150.0	
10119-CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.25	67.37	16.51	0.00	150.0	± 9.6 %
		Y	5.07	67.25	16.34		150.0	
		Z	5.26	67.48	16.62		150.0	
10140-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.45	67.68	16.10	0.00	150.0	± 9.6 %
		Y	3.25	67.27	15.74		150.0	
		Z	3.47	67.96	16.32		150.0	
10141-CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.57	67.75	16.25	0.00	150.0	± 9.6 %
		Y	3.38	67.43	15.94		150.0	
		Z	3.59	68.02	16.46		150.0	
10142-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.10	69.19	16.22	0.00	150.0	± 9.6 %
		Y	1.82	68.10	15.20		150.0	
		Z	2.19	70.23	16.81		150.0	
10143-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.57	69.23	16.20	0.00	150.0	± 9.6 %
		Y	2.33	68.76	15.28		150.0	
		Z	2.66	70.06	16.64		150.0	
10144-CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.35	67.00	14.65	0.00	150.0	± 9.6 %
		Y	2.04	66.05	13.42		150.0	
		Z	2.39	67.55	14.95		150.0	
10145-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.39	66.56	13.03	0.00	150.0	± 9.6 %
		Y	0.95	62.92	9.67		150.0	
		Z	1.46	67.52	13.45		150.0	
10146-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.29	68.35	13.30	0.00	150.0	± 9.6 %
		Y	1.40	63.57	9.52		150.0	
		Z	3.69	74.57	15.95		150.0	
10147-CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.84	71.20	14.72	0.00	150.0	± 9.6 %
		Y	1.58	64.89	10.32		150.0	
		Z	6.32	81.63	18.69		150.0	

10149-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.98	67.65	16.07	0.00	150.0	± 9.6 %
		Y	2.78	67.20	15.63		150.0	
		Z	3.01	68.03	16.34		150.0	
10150-CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.10	67.59	16.11	0.00	150.0	± 9.6 %
		Y	2.90	67.25	15.71		150.0	
		Z	3.13	67.94	16.36		150.0	
10151-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	7.55	81.48	23.31	3.98	65.0	± 9.6 %
		Y	6.06	79.03	22.49		65.0	
		Z	7.71	82.22	23.70		65.0	
10152-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	6.05	75.17	21.22	3.98	65.0	± 9.6 %
		Y	4.99	72.73	20.06		65.0	
		Z	6.04	75.41	21.40		65.0	
10153-CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	6.39	76.00	21.94	3.98	65.0	± 9.6 %
		Y	5.36	73.84	20.93		65.0	
		Z	6.39	76.25	22.12		65.0	
10154-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.38	69.57	16.73	0.00	150.0	± 9.6 %
		Y	2.10	68.57	15.99		150.0	
		Z	2.45	70.44	17.25		150.0	
10155-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.69	68.39	16.37	0.00	150.0	± 9.6 %
		Y	2.50	68.19	15.87		150.0	
		Z	2.74	68.96	16.72		150.0	
10156-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.97	69.43	16.14	0.00	150.0	± 9.6 %
		Y	1.65	67.98	14.79		150.0	
		Z	2.07	70.66	16.79		150.0	
10157-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.20	67.71	14.79	0.00	150.0	± 9.6 %
		Y	1.86	66.40	13.26		150.0	
		Z	2.27	68.47	15.18		150.0	
10158-CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.85	68.53	16.50	0.00	150.0	± 9.6 %
		Y	2.66	68.45	16.06		150.0	
		Z	2.89	69.07	16.84		150.0	
10159-CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.32	68.20	15.09	0.00	150.0	± 9.6 %
		Y	1.96	66.83	13.52		150.0	
		Z	2.39	68.97	15.48		150.0	
10160-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.82	68.91	16.52	0.00	150.0	± 9.6 %
		Y	2.60	68.34	16.04		150.0	
		Z	2.88	69.52	16.91		150.0	
10161-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.00	67.53	16.05	0.00	150.0	± 9.6 %
		Y	2.80	67.21	15.62		150.0	
		Z	3.02	67.90	16.31		150.0	
10162-CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.11	67.64	16.14	0.00	150.0	± 9.6 %
		Y	2.91	67.42	15.76		150.0	
		Z	3.13	68.01	16.40		150.0	
10166-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.61	69.35	19.11	3.01	150.0	± 9.6 %
		Y	3.31	69.13	19.05		150.0	
		Z	3.84	70.95	20.14		150.0	
10167-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.40	72.08	19.53	3.01	150.0	± 9.6 %
		Y	3.89	71.80	19.44		150.0	
		Z	5.01	75.00	21.03		150.0	

10168-CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	4.84	74.13	20.76	3.01	150.0	± 9.6 %
		Y	4.41	74.59	21.08		150.0	
		Z	5.66	77.66	22.48		150.0	
10169-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.00	69.04	19.01	3.01	150.0	± 9.6 %
		Y	2.63	67.59	18.41		150.0	
		Z	3.31	71.45	20.46		150.0	
10170-CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.05	74.65	21.22	3.01	150.0	± 9.6 %
		Y	3.38	73.11	20.81		150.0	
		Z	5.29	80.50	23.90		150.0	
10171-AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.37	70.81	18.61	3.01	150.0	± 9.6 %
		Y	2.78	68.98	17.87		150.0	
		Z	4.10	74.94	20.65		150.0	
10172-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	14.16	104.03	33.61	6.02	65.0	± 9.6 %
		Y	5.08	85.77	28.07		65.0	
		Z	16.18	108.97	35.76		65.0	
10173-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	33.35	114.96	34.48	6.02	65.0	± 9.6 %
		Y	12.74	101.81	31.61		65.0	
		Z	100.00	137.52	40.52		65.0	
10174-CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	18.22	102.16	30.25	6.02	65.0	± 9.6 %
		Y	12.16	99.43	30.17		65.0	
		Z	100.00	134.99	39.20		65.0	
10175-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.97	68.75	18.78	3.01	150.0	± 9.6 %
		Y	2.60	67.30	18.15		150.0	
		Z	3.26	71.09	20.19		150.0	
10176-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	4.06	74.68	21.23	3.01	150.0	± 9.6 %
		Y	3.39	73.14	20.82		150.0	
		Z	5.30	80.53	23.91		150.0	
10177-CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.00	68.90	18.87	3.01	150.0	± 9.6 %
		Y	2.62	67.44	18.24		150.0	
		Z	3.29	71.27	20.30		150.0	
10178-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	4.01	74.45	21.11	3.01	150.0	± 9.6 %
		Y	3.36	72.95	20.71		150.0	
		Z	5.22	80.21	23.76		150.0	
10179-CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	3.69	72.64	19.79	3.01	150.0	± 9.6 %
		Y	3.05	70.93	19.21		150.0	
		Z	4.65	77.60	22.15		150.0	
10180-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	3.37	70.74	18.56	3.01	150.0	± 9.6 %
		Y	2.78	68.92	17.83		150.0	
		Z	4.08	74.84	20.59		150.0	
10181-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.99	68.88	18.86	3.01	150.0	± 9.6 %
		Y	2.62	67.42	18.24		150.0	
		Z	3.29	71.25	20.29		150.0	
10182-CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	4.01	74.43	21.10	3.01	150.0	± 9.6 %
		Y	3.35	72.92	20.70		150.0	
		Z	5.21	80.18	23.75		150.0	
10183-AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.36	70.72	18.55	3.01	150.0	± 9.6 %
		Y	2.77	68.90	17.82		150.0	
		Z	4.07	74.81	20.58		150.0	

10184-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.00	68.93	18.88	3.01	150.0	± 9.6 %
		Y	2.63	67.46	18.26		150.0	
		Z	3.30	71.29	20.31		150.0	
10185-CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	4.03	74.50	21.14	3.01	150.0	± 9.6 %
		Y	3.37	73.00	20.74		150.0	
		Z	5.24	80.27	23.79		150.0	
10186-AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	3.38	70.78	18.58	3.01	150.0	± 9.6 %
		Y	2.78	68.96	17.85		150.0	
		Z	4.10	74.90	20.62		150.0	
10187-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.01	68.97	18.94	3.01	150.0	± 9.6 %
		Y	2.64	67.52	18.33		150.0	
		Z	3.31	71.35	20.38		150.0	
10188-CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.15	75.13	21.50	3.01	150.0	± 9.6 %
		Y	3.47	73.65	21.13		150.0	
		Z	5.47	81.19	24.25		150.0	
10189-AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.45	71.19	18.85	3.01	150.0	± 9.6 %
		Y	2.84	69.37	18.14		150.0	
		Z	4.22	75.47	20.95		150.0	
10193-CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.58	66.62	16.22	0.00	150.0	± 9.6 %
		Y	4.40	66.65	16.02		150.0	
		Z	4.58	66.75	16.34		150.0	
10194-CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.76	66.96	16.34	0.00	150.0	± 9.6 %
		Y	4.55	66.92	16.15		150.0	
		Z	4.75	67.08	16.46		150.0	
10195-CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.80	66.98	16.36	0.00	150.0	± 9.6 %
		Y	4.59	66.94	16.17		150.0	
		Z	4.80	67.11	16.48		150.0	
10196-CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.59	66.70	16.25	0.00	150.0	± 9.6 %
		Y	4.39	66.67	16.03		150.0	
		Z	4.58	66.83	16.37		150.0	
10197-CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.77	66.98	16.36	0.00	150.0	± 9.6 %
		Y	4.57	66.93	16.16		150.0	
		Z	4.77	67.10	16.47		150.0	
10198-CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.80	67.00	16.37	0.00	150.0	± 9.6 %
		Y	4.59	66.95	16.18		150.0	
		Z	4.80	67.13	16.49		150.0	
10219-CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.54	66.71	16.21	0.00	150.0	± 9.6 %
		Y	4.35	66.69	15.99		150.0	
		Z	4.53	66.84	16.33		150.0	
10220-CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.77	66.96	16.35	0.00	150.0	± 9.6 %
		Y	4.56	66.89	16.15		150.0	
		Z	4.76	67.08	16.46		150.0	
10221-CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.81	66.93	16.35	0.00	150.0	± 9.6 %
		Y	4.60	66.89	16.17		150.0	
		Z	4.81	67.05	16.47		150.0	
10222-CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.13	67.13	16.46	0.00	150.0	± 9.6 %
		Y	4.95	67.01	16.29		150.0	
		Z	5.12	67.22	16.56		150.0	

10223-CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.43	67.31	16.57	0.00	150.0	± 9.6 %
		Y	5.23	67.21	16.41		150.0	
		Z	5.43	67.40	16.67		150.0	
10224-CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.17	67.24	16.44	0.00	150.0	± 9.6 %
		Y	4.99	67.12	16.27		150.0	
		Z	5.17	67.34	16.55		150.0	
10225-CAB	UMTS-FDD (HSPA+)	X	2.86	66.22	15.52	0.00	150.0	± 9.6 %
		Y	2.68	66.06	14.96		150.0	
		Z	2.87	66.52	15.73		150.0	
10226-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	37.32	117.28	35.21	6.02	65.0	± 9.6 %
		Y	14.11	103.97	32.37		65.0	
		Z	100.00	137.79	40.69		65.0	
10227-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	32.78	112.59	33.19	6.02	65.0	± 9.6 %
		Y	16.58	105.30	32.00		65.0	
		Z	100.00	134.57	39.05		65.0	
10228-CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	14.56	105.02	34.00	6.02	65.0	± 9.6 %
		Y	5.53	87.95	29.00		65.0	
		Z	29.56	122.31	39.63		65.0	
10229-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	33.61	115.08	34.52	6.02	65.0	± 9.6 %
		Y	12.89	102.00	31.67		65.0	
		Z	100.00	137.49	40.52		65.0	
10230-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	29.62	110.61	32.57	6.02	65.0	± 9.6 %
		Y	14.75	102.98	31.23		65.0	
		Z	100.00	134.38	38.92		65.0	
10231-CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	13.71	103.65	33.50	6.02	65.0	± 9.6 %
		Y	5.30	86.98	28.56		65.0	
		Z	26.89	120.10	38.93		65.0	
10232-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	33.58	115.08	34.52	6.02	65.0	± 9.6 %
		Y	12.85	101.96	31.66		65.0	
		Z	100.00	137.51	40.52		65.0	
10233-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	29.55	110.58	32.57	6.02	65.0	± 9.6 %
		Y	14.66	102.89	31.21		65.0	
		Z	100.00	134.41	38.93		65.0	
10234-CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	13.04	102.41	32.99	6.02	65.0	± 9.6 %
		Y	5.15	86.25	28.16		65.0	
		Z	24.94	118.19	38.27		65.0	
10235-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	33.69	115.16	34.54	6.02	65.0	± 9.6 %
		Y	12.86	101.99	31.67		65.0	
		Z	100.00	137.54	40.53		65.0	
10236-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	30.20	110.94	32.65	6.02	65.0	± 9.6 %
		Y	14.96	103.22	31.30		65.0	
		Z	100.00	134.33	38.90		65.0	
10237-CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	13.77	103.80	33.55	6.02	65.0	± 9.6 %
		Y	5.30	87.00	28.57		65.0	
		Z	27.19	120.39	39.02		65.0	
10238-CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	33.53	115.07	34.51	6.02	65.0	± 9.6 %
		Y	12.81	101.92	31.65		65.0	
		Z	100.00	137.53	40.53		65.0	