

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3820

### Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	41.9	0.89	9.42	9.42	9.42	0.34	1.06	± 12.0 %
835	41.5	0.90	9.00	9.00	9.00	0.47	0.80	± 12.0 %
900	41.5	0.97	8.88	8.88	8.88	0.37	0.95	± 12.0 %
1450	40.5	1.20	8.37	8.37	8.37	0.32	0.80	± 12.0 %
1750	40.1	1.37	7.95	7.95	7.95	0.30	0.80	± 12.0 %
1900	40.0	1.40	7.80	7.80	7.80	0.32	0.85	± 12.0 %
2000	40.0	1.40	7.74	7.74	7.74	0.34	0.84	± 12.0 %
2450	39.2	1.80	6.78	6.78	6.78	0.21	1.17	± 12.0 %
2600	39.0	1.96	6.49	6.49	6.49	0.25	1.26	± 12.0 %
5200	36.0	4.66	4.66	4.66	4.66	0.40	1.80	± 13.1 %
5300	35.9	4.76	4.41	4.41	4.41	0.45	1.80	± 13.1 %
5500	35.6	4.96	4.32	4.32	4.32	0.45	1.80	± 13.1 %
5600	35.5	5.07	4.14	4.14	4.14	0.50	1.80	± 13.1 %
5800	35.3	5.27	4.14	4.14	4.14	0.50	1.80	± 13.1 %

<sup>C</sup> 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.

<sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) 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 ( $\epsilon$  and  $\sigma$ ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>G</sup> 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:3820

### Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	55.5	0.96	8.87	8.87	8.87	0.30	1.02	± 12.0 %
835	55.2	0.97	8.86	8.86	8.86	0.27	1.13	± 12.0 %
900	55.0	1.05	8.94	8.94	8.94	0.36	0.93	± 12.0 %
1450	54.0	1.30	8.02	8.02	8.02	0.28	0.80	± 12.0 %
1750	53.4	1.49	7.65	7.65	7.65	0.39	0.82	± 12.0 %
1900	53.3	1.52	7.41	7.41	7.41	0.19	1.30	± 12.0 %
2000	53.3	1.52	7.51	7.51	7.51	0.26	1.05	± 12.0 %
2450	52.7	1.95	6.79	6.79	6.79	0.38	0.93	± 12.0 %
2600	52.5	2.16	6.52	6.52	6.52	0.48	0.83	± 12.0 %
5200	49.0	5.30	4.19	4.19	4.19	0.50	1.90	± 13.1 %
5300	48.9	5.42	3.95	3.95	3.95	0.55	1.90	± 13.1 %
5500	48.6	5.65	3.71	3.71	3.71	0.55	1.90	± 13.1 %
5600	48.5	5.77	3.54	3.54	3.54	0.55	1.90	± 13.1 %
5800	48.2	6.00	3.70	3.70	3.70	0.60	1.90	± 13.1 %

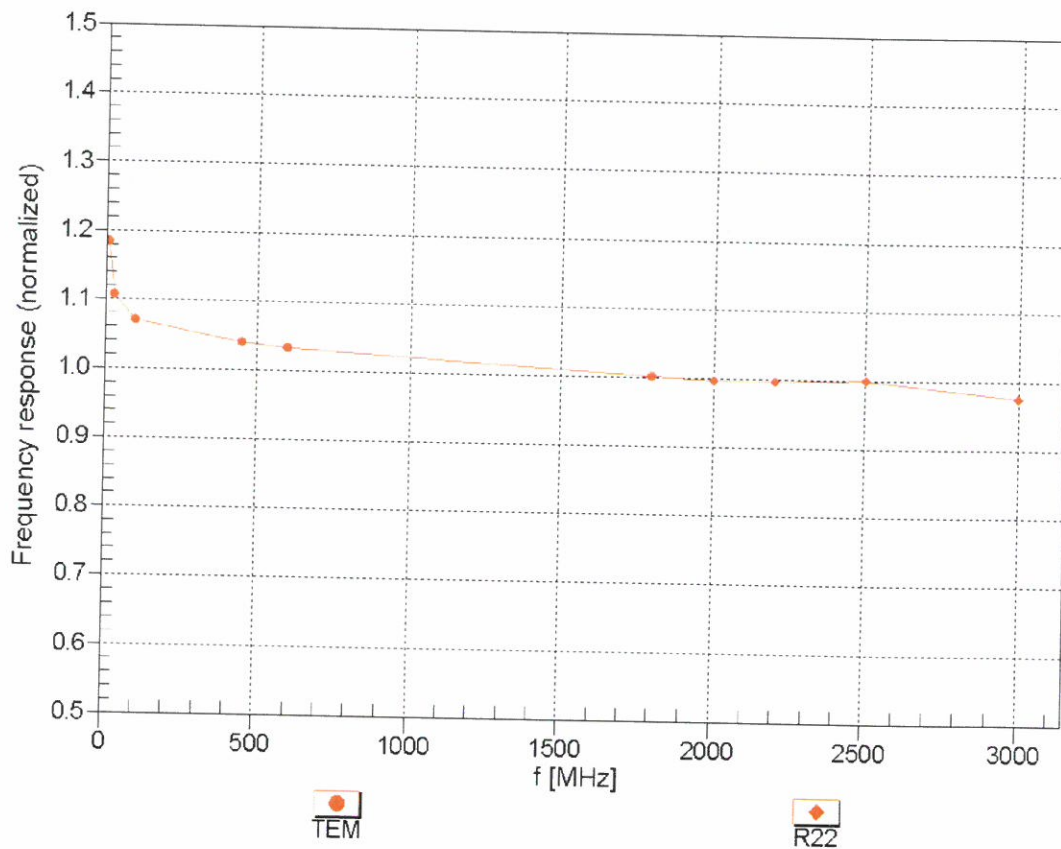
<sup>C</sup> Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below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

<sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) 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 ( $\epsilon$  and  $\sigma$ ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

<sup>G</sup> 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

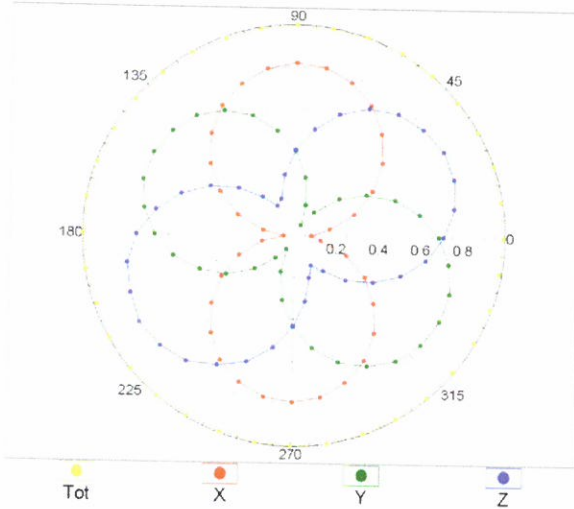
(TEM-Cell:ifi110 EXX, Waveguide: R22)



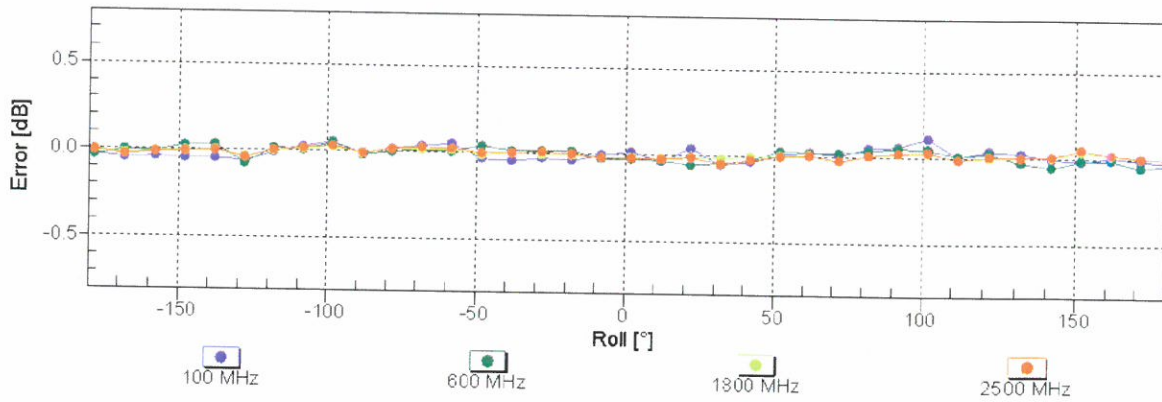
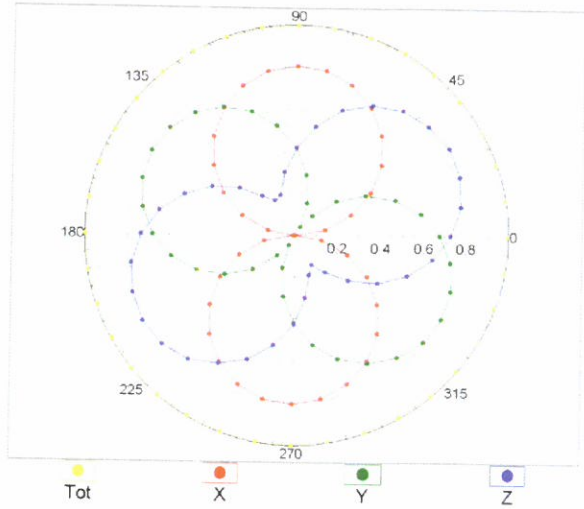
Uncertainty of Frequency Response of E-field:  $\pm 6.3\%$  (k=2)

### Receiving Pattern ( $\phi$ ), $\vartheta = 0^\circ$

f=600 MHz, TEM



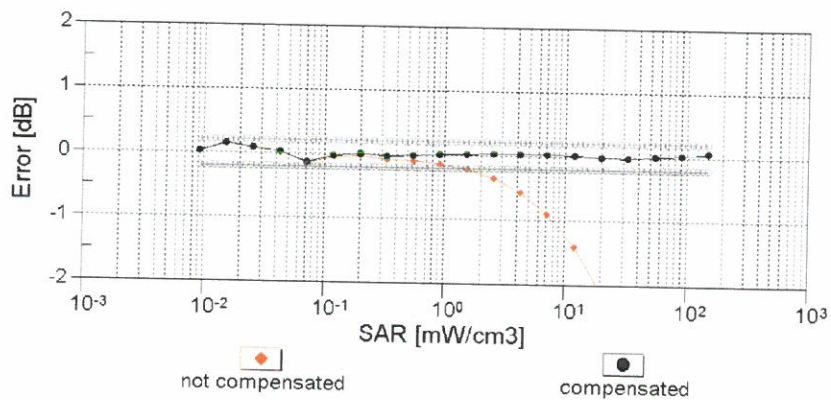
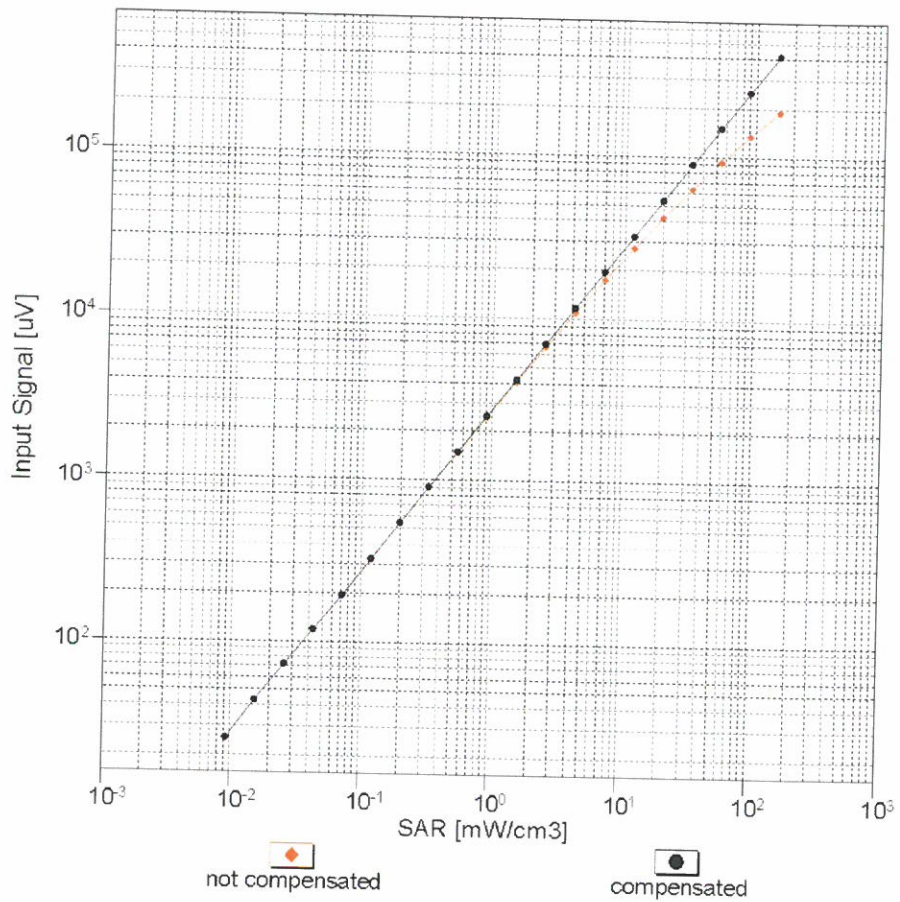
f=1800 MHz, R22



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

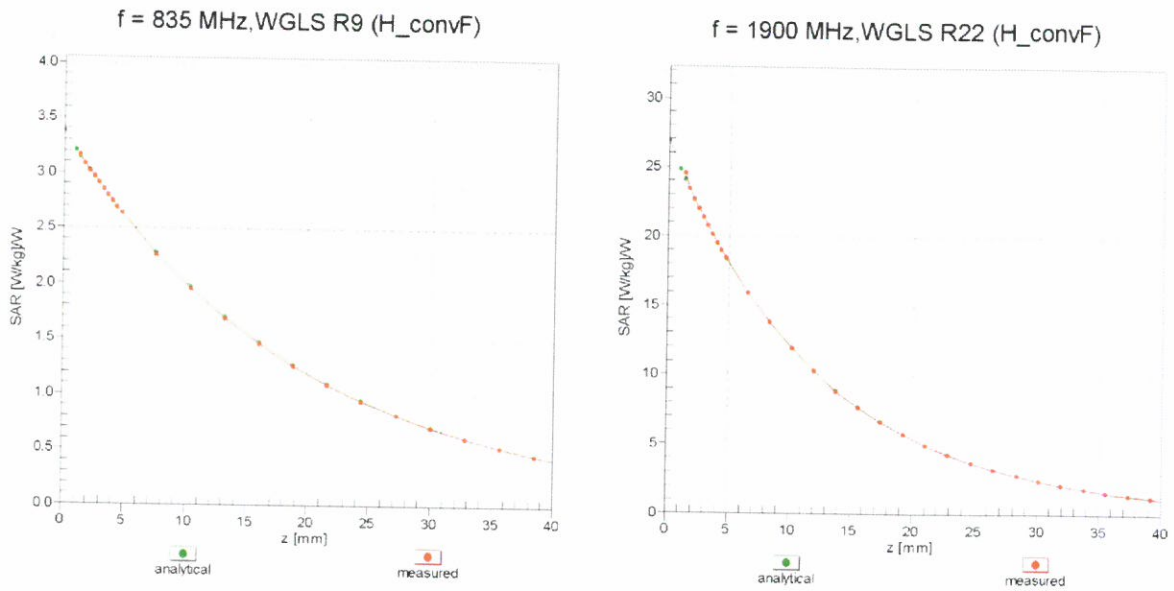
# Dynamic Range f(SAR<sub>head</sub>)

(TEM cell , f<sub>eval</sub>= 1900 MHz)

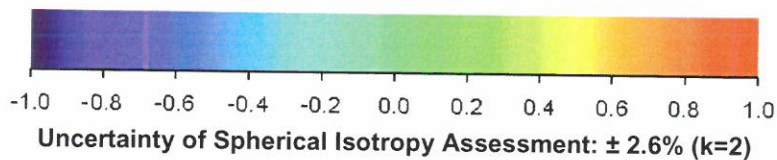
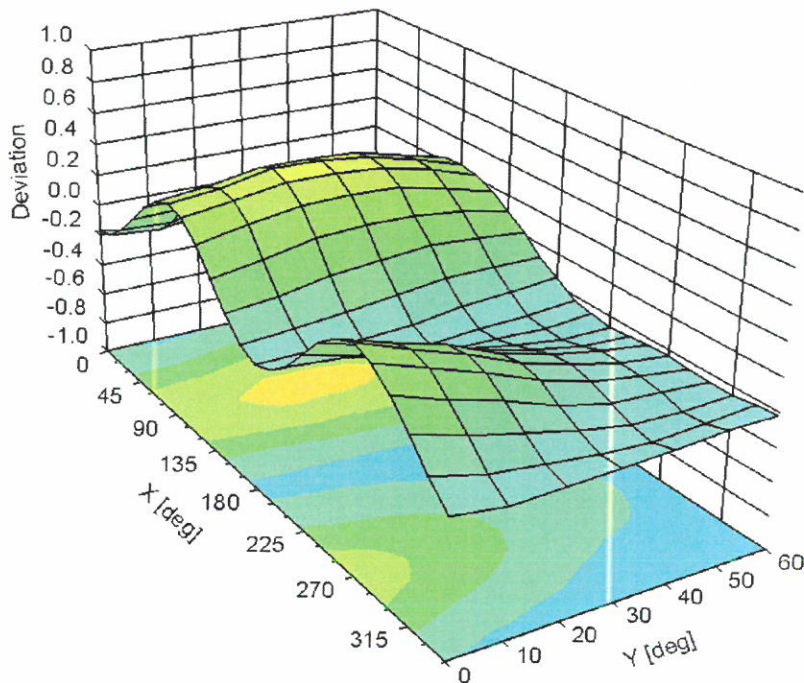


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

# Conversion Factor Assessment



## Deviation from Isotropy in Liquid Error ( $\phi, \theta$ ), f = 900 MHz



## DASY/EASY - Parameters of Probe: EX3DV4 - SN:3820

### Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	31.9
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 <sup>E</sup> (k=2)
0	CW	X	0.00	0.00	1.00	0.00	148.5	± 3.8 %
		Y	0.00	0.00	1.00		134.3	
		Z	0.00	0.00	1.00		135.9	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	X	2.91	66.95	11.40	10.00	20.0	± 9.6 %
		Y	4.24	71.80	13.80		20.0	
		Z	13.20	88.04	20.85		20.0	
10011- CAB	UMTS-FDD (WCDMA)	X	1.07	67.78	15.67	0.00	150.0	± 9.6 %
		Y	1.52	74.89	19.60		150.0	
		Z	0.94	63.95	13.11		150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.19	63.84	15.24	0.41	150.0	± 9.6 %
		Y	1.24	65.55	16.88		150.0	
		Z	1.16	62.20	14.01		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	X	4.91	66.44	16.89	1.46	150.0	± 9.6 %
		Y	4.97	66.85	17.38		150.0	
		Z	5.04	66.28	16.95		150.0	
10021- DAB	GSM-FDD (TDMA, GMSK)	X	12.66	85.74	19.85	9.39	50.0	± 9.6 %
		Y	100.00	115.62	28.70		50.0	
		Z	100.00	123.67	32.95		50.0	
10023- DAB	GPRS-FDD (TDMA, GMSK, TN 0)	X	10.49	83.18	19.06	9.57	50.0	± 9.6 %
		Y	100.00	115.37	28.65		50.0	
		Z	100.00	123.24	32.82		50.0	
10024- DAB	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	30.89	96.11	21.36	6.56	60.0	± 9.6 %
		Y	100.00	115.76	27.51		60.0	
		Z	100.00	126.38	32.70		60.0	
10025- DAB	EDGE-FDD (TDMA, 8PSK, TN 0)	X	4.99	72.36	25.92	12.57	50.0	± 9.6 %
		Y	12.74	102.33	40.28		50.0	
		Z	5.30	73.69	27.65		50.0	
10026- DAB	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	9.44	89.33	30.51	9.56	60.0	± 9.6 %
		Y	12.46	98.80	35.19		60.0	
		Z	7.86	86.03	30.51		60.0	
10027- DAB	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	108.03	23.23	4.80	80.0	± 9.6 %
		Y	100.00	117.95	27.58		80.0	
		Z	100.00	129.63	33.06		80.0	
10028- DAB	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	108.32	22.71	3.55	100.0	± 9.6 %
		Y	100.00	122.16	28.60		100.0	
		Z	100.00	132.93	33.53		100.0	
10029- DAB	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	6.28	80.96	26.28	7.80	80.0	± 9.6 %
		Y	6.96	85.32	29.11		80.0	
		Z	5.29	77.61	25.92		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	23.05	92.26	19.61	5.30	70.0	± 9.6 %
		Y	100.00	115.32	26.76		70.0	
		Z	100.00	126.49	32.09		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	107.60	21.20	1.88	100.0	± 9.6 %
		Y	100.00	131.06	30.63		100.0	
		Z	100.00	132.96	31.77		100.0	

10032-CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	113.22	22.67	1.17	100.0	± 9.6 %
		Y	100.00	159.51	40.57		100.0	
		Z	4.77	98.55	23.61		100.0	
10033-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	5.95	81.54	20.62	5.30	70.0	± 9.6 %
		Y	31.39	111.74	31.08		70.0	
		Z	6.92	88.40	25.43		70.0	
10034-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	2.53	73.78	16.91	1.88	100.0	± 9.6 %
		Y	8.40	94.30	25.11		100.0	
		Z	2.04	71.57	17.30		100.0	
10035-CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	1.92	71.48	15.91	1.17	100.0	± 9.6 %
		Y	4.80	87.19	22.72		100.0	
		Z	1.52	68.13	15.29		100.0	
10036-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	7.00	84.17	21.61	5.30	70.0	± 9.6 %
		Y	60.53	122.86	33.97		70.0	
		Z	8.35	92.00	26.74		70.0	
10037-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	2.42	73.25	16.65	1.88	100.0	± 9.6 %
		Y	7.51	92.72	24.60		100.0	
		Z	1.97	71.19	17.10		100.0	
10038-CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	1.94	71.83	16.15	1.17	100.0	± 9.6 %
		Y	4.97	88.11	23.16		100.0	
		Z	1.52	68.29	15.45		100.0	
10039-CAB	CDMA2000 (1xRTT, RC1)	X	2.15	73.98	17.06	0.00	150.0	± 9.6 %
		Y	5.64	89.14	22.94		150.0	
		Z	1.50	66.92	13.82		150.0	
10042-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	X	9.98	82.49	17.56	7.78	50.0	± 9.6 %
		Y	100.00	112.59	26.38		50.0	
		Z	100.00	121.68	30.94		50.0	
10044-CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	97.86	1.75	0.00	150.0	± 9.6 %
		Y	0.00	115.28	0.17		150.0	
		Z	0.01	89.38	7.52		150.0	
10048-CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	7.18	75.26	17.75	13.80	25.0	± 9.6 %
		Y	19.36	89.79	23.13		25.0	
		Z	100.00	119.10	32.85		25.0	
10049-CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	7.58	78.05	17.57	10.79	40.0	± 9.6 %
		Y	40.47	102.30	25.68		40.0	
		Z	100.00	121.63	32.57		40.0	
10056-CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	9.03	82.76	21.27	9.03	50.0	± 9.6 %
		Y	27.06	102.61	28.44		50.0	
		Z	20.85	101.14	29.48		50.0	
10058-DAB	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	4.87	76.45	23.78	6.55	100.0	± 9.6 %
		Y	5.10	79.07	25.85		100.0	
		Z	4.21	73.47	23.33		100.0	
10059-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.23	64.84	15.71	0.61	110.0	± 9.6 %
		Y	1.31	67.04	17.67		110.0	
		Z	1.18	62.94	14.51		110.0	
10060-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	5.37	91.70	23.52	1.30	110.0	± 9.6 %
		Y	100.00	145.92	39.22		110.0	
		Z	1.66	75.92	19.25		110.0	

10061-CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	2.59	76.69	20.10	2.04	110.0	± 9.6 %
		Y	5.25	92.34	27.22		110.0	
		Z	1.92	72.23	19.28		110.0	
10062-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.73	66.55	16.45	0.49	100.0	± 9.6 %
		Y	4.79	66.94	16.88		100.0	
		Z	4.83	66.22	16.30		100.0	
10063-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.74	66.61	16.52	0.72	100.0	± 9.6 %
		Y	4.81	67.03	16.98		100.0	
		Z	4.85	66.32	16.42		100.0	
10064-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.05	66.89	16.74	0.86	100.0	± 9.6 %
		Y	5.11	67.30	17.20		100.0	
		Z	5.19	66.70	16.71		100.0	
10065-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.90	66.75	16.79	1.21	100.0	± 9.6 %
		Y	4.97	67.20	17.29		100.0	
		Z	5.05	66.61	16.83		100.0	
10066-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.92	66.75	16.92	1.46	100.0	± 9.6 %
		Y	4.99	67.21	17.44		100.0	
		Z	5.08	66.65	17.02		100.0	
10067-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.19	66.81	17.28	2.04	100.0	± 9.6 %
		Y	5.27	67.26	17.81		100.0	
		Z	5.38	66.77	17.47		100.0	
10068-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.26	66.92	17.50	2.55	100.0	± 9.6 %
		Y	5.33	67.41	18.07		100.0	
		Z	5.46	66.99	17.77		100.0	
10069-CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.33	66.87	17.66	2.67	100.0	± 9.6 %
		Y	5.41	67.34	18.23		100.0	
		Z	5.54	66.91	17.94		100.0	
10071-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.99	66.49	17.14	1.99	100.0	± 9.6 %
		Y	5.06	66.92	17.66		100.0	
		Z	5.15	66.40	17.28		100.0	
10072-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.98	66.81	17.32	2.30	100.0	± 9.6 %
		Y	5.05	67.30	17.89		100.0	
		Z	5.14	66.77	17.52		100.0	
10073-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.03	66.92	17.59	2.83	100.0	± 9.6 %
		Y	5.11	67.44	18.20		100.0	
		Z	5.21	66.91	17.86		100.0	
10074-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.01	66.80	17.71	3.30	100.0	± 9.6 %
		Y	5.08	67.31	18.34		100.0	
		Z	5.18	66.81	18.04		100.0	
10075-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.06	66.97	18.03	3.82	90.0	± 9.6 %
		Y	5.14	67.49	18.68		90.0	
		Z	5.25	67.05	18.43		90.0	
10076-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.06	66.71	18.10	4.15	90.0	± 9.6 %
		Y	5.13	67.20	18.74		90.0	
		Z	5.23	66.74	18.50		90.0	
10077-CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.08	66.77	18.18	4.30	90.0	± 9.6 %
		Y	5.15	67.26	18.83		90.0	
		Z	5.25	66.77	18.58		90.0	

10081-CAB	CDMA2000 (1xRTT, RC3)	X	0.95	67.20	13.72	0.00	150.0	± 9.6 %
		Y	1.84	77.86	18.83		150.0	
		Z	0.83	63.27	11.54		150.0	
10082-CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	0.72	58.34	3.85	4.77	80.0	± 9.6 %
		Y	0.80	60.00	5.01		80.0	
		Z	0.78	60.02	5.75		80.0	
10090-DAB	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	29.15	95.48	21.21	6.56	60.0	± 9.6 %
		Y	100.00	115.79	27.54		60.0	
		Z	100.00	126.41	32.74		60.0	
10097-CAB	UMTS-FDD (HSDPA)	X	1.88	67.87	15.99	0.00	150.0	± 9.6 %
		Y	2.14	70.75	17.79		150.0	
		Z	1.73	65.15	14.30		150.0	
10098-CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.84	67.81	15.95	0.00	150.0	± 9.6 %
		Y	2.11	70.78	17.80		150.0	
		Z	1.69	65.08	14.24		150.0	
10099-DAB	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	9.47	89.38	30.52	9.56	60.0	± 9.6 %
		Y	12.54	98.89	35.21		60.0	
		Z	7.89	86.11	30.54		60.0	
10100-CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.25	70.73	16.93	0.00	150.0	± 9.6 %
		Y	3.69	73.26	18.35		150.0	
		Z	2.98	68.29	15.50		150.0	
10101-CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.32	67.71	16.08	0.00	150.0	± 9.6 %
		Y	3.47	68.78	16.86		150.0	
		Z	3.27	66.54	15.28		150.0	
10102-CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.43	67.67	16.18	0.00	150.0	± 9.6 %
		Y	3.56	68.63	16.89		150.0	
		Z	3.38	66.55	15.41		150.0	
10103-CAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	6.21	74.23	19.42	3.98	65.0	± 9.6 %
		Y	6.88	77.07	21.19		65.0	
		Z	5.98	74.05	20.08		65.0	
10104-CAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	6.42	73.10	19.79	3.98	65.0	± 9.6 %
		Y	6.52	74.28	20.86		65.0	
		Z	6.03	72.15	19.99		65.0	
10105-CAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	6.09	72.02	19.63	3.98	65.0	± 9.6 %
		Y	5.92	72.21	20.23		65.0	
		Z	5.85	71.37	19.93		65.0	
10108-CAC	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.85	69.93	16.76	0.00	150.0	± 9.6 %
		Y	3.22	72.45	18.22		150.0	
		Z	2.65	67.54	15.31		150.0	
10109-CAC	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.99	67.57	16.02	0.00	150.0	± 9.6 %
		Y	3.14	68.79	16.90		150.0	
		Z	2.93	66.22	15.13		150.0	
10110-CAC	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.32	68.97	16.39	0.00	150.0	± 9.6 %
		Y	2.65	71.77	18.06		150.0	
		Z	2.18	66.50	14.87		150.0	
10111-CAC	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.72	68.46	16.43	0.00	150.0	± 9.6 %
		Y	2.92	70.13	17.54		150.0	
		Z	2.60	66.41	15.21		150.0	

10112-CAC	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.11	67.54	16.08	0.00	150.0	± 9.6 %
		Y	3.25	68.64	16.88		150.0	
		Z	3.06	66.25	15.23		150.0	
10113-CAC	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.88	68.57	16.55	0.00	150.0	± 9.6 %
		Y	3.07	70.09	17.57		150.0	
		Z	2.76	66.60	15.38		150.0	
10114-CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.19	67.21	16.48	0.00	150.0	± 9.6 %
		Y	5.24	67.52	16.81		150.0	
		Z	5.22	66.70	16.13		150.0	
10115-CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.53	67.47	16.62	0.00	150.0	± 9.6 %
		Y	5.58	67.77	16.93		150.0	
		Z	5.60	67.06	16.32		150.0	
10116-CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.31	67.45	16.53	0.00	150.0	± 9.6 %
		Y	5.36	67.78	16.86		150.0	
		Z	5.35	66.97	16.19		150.0	
10117-CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.18	67.14	16.46	0.00	150.0	± 9.6 %
		Y	5.22	67.45	16.79		150.0	
		Z	5.23	66.72	16.16		150.0	
10118-CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.61	67.65	16.71	0.00	150.0	± 9.6 %
		Y	5.66	67.96	17.03		150.0	
		Z	5.67	67.22	16.41		150.0	
10119-CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.28	67.38	16.50	0.00	150.0	± 9.6 %
		Y	5.33	67.70	16.84		150.0	
		Z	5.33	66.93	16.18		150.0	
10140-CAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.47	67.67	16.09	0.00	150.0	± 9.6 %
		Y	3.60	68.62	16.81		150.0	
		Z	3.43	66.56	15.35		150.0	
10141-CAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.59	67.76	16.26	0.00	150.0	± 9.6 %
		Y	3.72	68.63	16.93		150.0	
		Z	3.55	66.67	15.53		150.0	
10142-CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.11	69.04	16.19	0.00	150.0	± 9.6 %
		Y	2.50	72.47	18.16		150.0	
		Z	1.95	66.19	14.52		150.0	
10143-CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.62	69.39	16.35	0.00	150.0	± 9.6 %
		Y	2.95	71.82	17.79		150.0	
		Z	2.42	66.67	14.90		150.0	
10144-CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.37	66.97	14.69	0.00	150.0	± 9.6 %
		Y	2.59	68.81	15.89		150.0	
		Z	2.31	65.30	13.79		150.0	
10145-CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.44	66.90	13.35	0.00	150.0	± 9.6 %
		Y	2.00	72.14	16.10		150.0	
		Z	1.34	64.27	12.14		150.0	
10146-CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.34	68.02	13.01	0.00	150.0	± 9.6 %
		Y	3.00	72.25	15.28		150.0	
		Z	3.24	72.73	16.47		150.0	
10147-CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.87	70.69	14.36	0.00	150.0	± 9.6 %
		Y	4.47	77.69	17.60		150.0	
		Z	4.29	77.00	18.41		150.0	

10149-CAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.00	67.63	16.07	0.00	150.0	± 9.6 %
		Y	3.15	68.86	16.95		150.0	
		Z	2.94	66.27	15.17		150.0	
10150-CAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.12	67.60	16.12	0.00	150.0	± 9.6 %
		Y	3.26	68.70	16.93		150.0	
		Z	3.07	66.29	15.26		150.0	
10151-CAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	6.43	76.15	20.27	3.98	65.0	± 9.6 %
		Y	7.16	79.35	22.24		65.0	
		Z	5.94	75.38	20.78		65.0	
10152-CAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	5.92	72.87	19.42	3.98	65.0	± 9.6 %
		Y	6.10	74.39	20.68		65.0	
		Z	5.56	71.98	19.74		65.0	
10153-CAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	6.29	73.82	20.21	3.98	65.0	± 9.6 %
		Y	6.43	75.19	21.39		65.0	
		Z	5.85	72.67	20.40		65.0	
10154-CAC	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.39	69.50	16.72	0.00	150.0	± 9.6 %
		Y	2.74	72.40	18.41		150.0	
		Z	2.22	66.84	15.10		150.0	
10155-CAC	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.72	68.46	16.44	0.00	150.0	± 9.6 %
		Y	2.92	70.13	17.55		150.0	
		Z	2.60	66.41	15.21		150.0	
10156-CAC	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.98	69.33	16.15	0.00	150.0	± 9.6 %
		Y	2.45	73.51	18.44		150.0	
		Z	1.79	66.10	14.32		150.0	
10157-CAC	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.23	67.73	14.88	0.00	150.0	± 9.6 %
		Y	2.54	70.30	16.41		150.0	
		Z	2.11	65.52	13.74		150.0	
10158-CAC	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.88	68.64	16.60	0.00	150.0	± 9.6 %
		Y	3.08	70.16	17.62		150.0	
		Z	2.76	66.63	15.41		150.0	
10159-CAC	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.36	68.30	15.22	0.00	150.0	± 9.6 %
		Y	2.70	70.92	16.76		150.0	
		Z	2.21	65.90	14.00		150.0	
10160-CAB	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.83	68.81	16.48	0.00	150.0	± 9.6 %
		Y	3.09	70.73	17.69		150.0	
		Z	2.71	66.91	15.27		150.0	
10161-CAB	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.02	67.54	16.07	0.00	150.0	± 9.6 %
		Y	3.16	68.68	16.91		150.0	
		Z	2.96	66.16	15.18		150.0	
10162-CAB	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.13	67.64	16.16	0.00	150.0	± 9.6 %
		Y	3.27	68.74	16.97		150.0	
		Z	3.07	66.26	15.28		150.0	
10166-CAC	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.72	69.56	19.03	3.01	150.0	± 9.6 %
		Y	3.68	69.96	19.60		150.0	
		Z	3.81	69.11	19.25		150.0	
10167-CAC	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.69	72.65	19.56	3.01	150.0	± 9.6 %
		Y	4.55	72.98	20.12		150.0	
		Z	4.61	71.80	19.74		150.0	

10168-CAC	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.27	75.16	21.00	3.01	150.0	± 9.6 %
		Y	5.05	75.30	21.47		150.0	
		Z	5.04	73.81	20.97		150.0	
10169-CAB	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.22	69.88	19.14	3.01	150.0	± 9.6 %
		Y	3.06	69.92	19.68		150.0	
		Z	3.23	69.35	19.43		150.0	
10170-CAB	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.79	76.94	21.86	3.01	150.0	± 9.6 %
		Y	4.33	76.63	22.33		150.0	
		Z	4.36	75.29	21.86		150.0	
10171-AAB	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.75	71.79	18.69	3.01	150.0	± 9.6 %
		Y	3.50	72.08	19.40		150.0	
		Z	3.61	71.16	19.10		150.0	
10172-CAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	7.59	85.78	25.41	6.02	65.0	± 9.6 %
		Y	8.66	91.52	28.76		65.0	
		Z	8.16	89.81	29.06		65.0	
10173-CAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	11.44	89.26	24.78	6.02	65.0	± 9.6 %
		Y	21.26	103.86	30.59		65.0	
		Z	16.70	101.03	31.14		65.0	
10174-CAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	8.79	84.03	22.55	6.02	65.0	± 9.6 %
		Y	16.93	98.20	28.28		65.0	
		Z	14.42	96.84	29.27		65.0	
10175-CAC	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.18	69.49	18.85	3.01	150.0	± 9.6 %
		Y	3.03	69.58	19.42		150.0	
		Z	3.18	69.01	19.16		150.0	
10176-CAC	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	4.80	76.97	21.87	3.01	150.0	± 9.6 %
		Y	4.34	76.66	22.34		150.0	
		Z	4.37	75.31	21.87		150.0	
10177-CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.21	69.69	18.97	3.01	150.0	± 9.6 %
		Y	3.05	69.76	19.52		150.0	
		Z	3.21	69.20	19.28		150.0	
10178-CAC	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	4.72	76.63	21.70	3.01	150.0	± 9.6 %
		Y	4.28	76.37	22.19		150.0	
		Z	4.31	75.00	21.70		150.0	
10179-CAC	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.19	74.10	20.08	3.01	150.0	± 9.6 %
		Y	3.89	74.25	20.74		150.0	
		Z	3.95	73.09	20.34		150.0	
10180-CAC	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	3.73	71.68	18.62	3.01	150.0	± 9.6 %
		Y	3.49	71.99	19.34		150.0	
		Z	3.60	71.06	19.03		150.0	
10181-CAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.20	69.67	18.96	3.01	150.0	± 9.6 %
		Y	3.05	69.74	19.51		150.0	
		Z	3.21	69.17	19.27		150.0	
10182-CAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	4.71	76.60	21.69	3.01	150.0	± 9.6 %
		Y	4.27	76.34	22.18		150.0	
		Z	4.30	74.97	21.69		150.0	
10183-AAA	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.72	71.66	18.61	3.01	150.0	± 9.6 %
		Y	3.49	71.96	19.32		150.0	
		Z	3.59	71.03	19.02		150.0	