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





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Accreditation No.: SCS 0108

03-27-2017

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PC Test Client

Calibration procedure(s)

Certificate No: ES3-3209\_Mar17

(	CA	L	B	R	A	T	IC	N	С	E	R	T	IF	IC	A	T	E	Second Second

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

ES3DV3 - SN:3209

Calibration date:

March 14, 2017

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	D	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	06-Apr-16 (No. 217-02288/02289)	Apr-17
Power sensor NRP-Z91	SN: 103244	06-Apr-16 (No. 217-02288)	Apr-17
Power sensor NRP-Z91	SN: 103245	06-Apr-16 (No. 217-02289)	Apr-17
Reference 20 dB Attenuator	SN: S5277 (20x)	05-Apr-16 (No. 217-02293)	Арг-17
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
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-16)	In house check: Oct-17

Name	Function	Signature	
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			884888
Katja Pokovic	Technical Manager	' I CILL	
		100007	
		Issued: March 16, 2017	
	Jeton Kastrali Kalja Pokovic	Jeton Kastrati Laboratory Technician	Jeton Kastrali Laboratory Technician Kalja Pokovic Technical Manager

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



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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 9	& rotation around an axis that is in the plane normal to probe axis (at measurement center),
	i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

#### Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
- 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 9 = 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<sup>2</sup>-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:3209

Manufactured: Calibrated:

October 14, 2008 March 14, 2017

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

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	1.31	1.28	1.10	± 10.1 %
DCP (mV) <sup>8</sup>	98.7	100.9	101.0	

#### **Modulation Calibration Parameters**

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Unc <sup>E</sup> (k=2)
0	CW	X	0.0	0.0	1.0	0.00	185.7	±3.5 %
		Y	0.0	0.0	1.0		188.4	
		Z	0.0	0.0	1.0		174.0	

Note: For details on UID parameters see Appendix.

#### Sensor Model Parameters

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V⁻²	T2 ms.V <sup>1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V⁻¹	Т6
Х	55.02	400.2	36.4	24.81	1.139	5.1	1.332	0.294	1.012
Y	53.76	389.5	36.01	25.47	1.401	5.1	1.486	0.333	1.011
Z	54.22	392	35.92	24.25	1.184	5.1	1.305	0.356	1.012

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%.

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

<sup>B</sup> Numerical linearization parameter: uncertainty not required. <sup>E</sup> Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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	6.76	6.76	6.76	0.80	1.17	± 12.0 %
835	41.5	0.90	6.36	6.36	6.36	0.63	1.31	± 12.0 %
1750	40.1	1.37	5.50	5.50	5.50	0.74	1.16	± 12.0 %
1900	40.0	1.40	5.31	5.31	5.31	0.63	1.30	± 12.0 %
2300	39.5	1.67	4.92	4.92	4.92	0.80	1.20	± 12.0 %
2450	39.2	1.80	4.72	4.72	4.72	0.71	1.33	± 12.0 %
2600	39.0	1.96	4.53	4.53	4.53	0.69	1.37	± 12.0 %

#### Calibration Parameter Determined in Head Tissue Simulating Media

<sup>c</sup> Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  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  $\pm$  110 MHz.

Validity can be extended to  $\pm$  110 MHz. <sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to  $\pm$  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  $\pm$  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

<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.

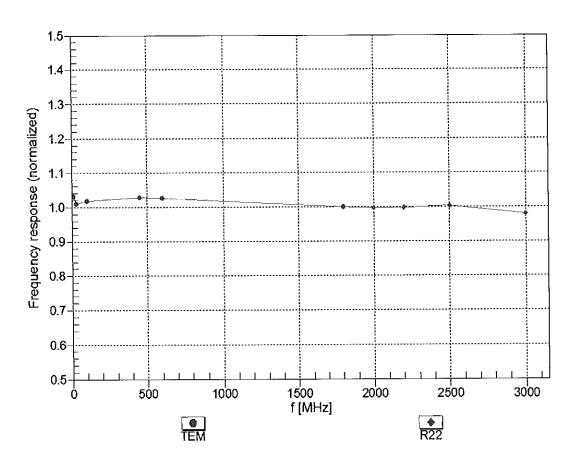
f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	55.5	0.96	6.44	6.44	6.44	0.80	1.17	± 12.0 %
835	55.2	0.97	6.36	6.36	6.36	0.80	1.20	± 12.0 %
1750	53.4	1.49	5.13	5.13	5.13	0.51	1.53	± 12.0 %
1900	53.3	1.52	4.93	4.93	4.93	0.50	1.59	± 12.0 %
2300	52.9	1.81	4.62	4.62	4.62	0.80	1.24	± 12.0 %
2450	52.7	1.95	4.48	4.48	4.48	0.80	1.24	± 12.0 %
2600	52.5	2.16	4.26	4.26	4.26	0.80	1.20	± 12.0 %

#### Calibration Parameter Determined in Body Tissue Simulating Media

<sup>c</sup> Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity validity can be extended to  $\pm$  110 MHz.

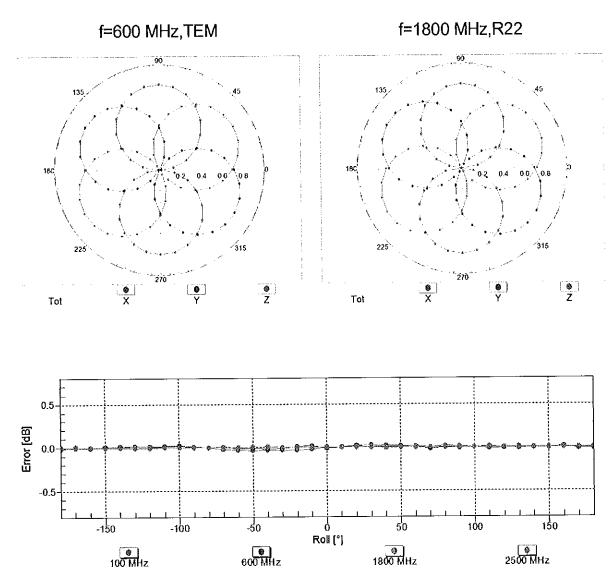
validity can be extended to  $\pm$  110 MHz. <sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to  $\pm$  10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to  $\pm$  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

<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)

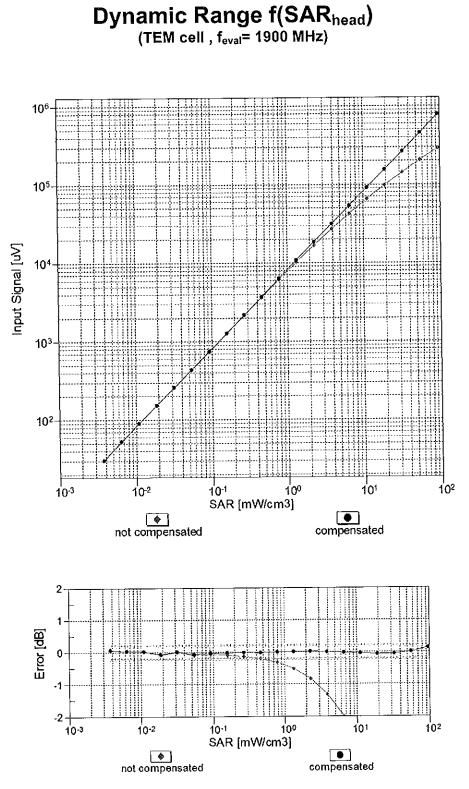
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)



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

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

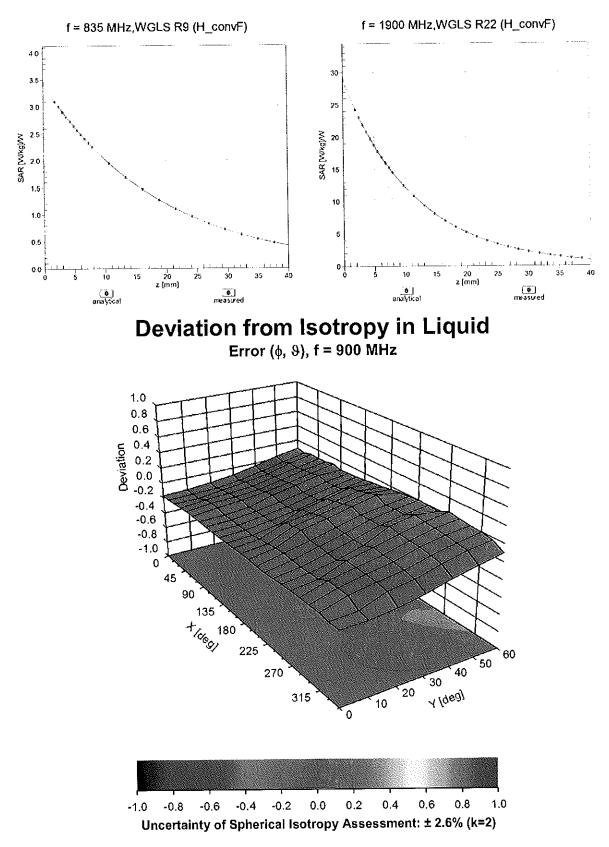
March 14, 2017



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

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### **Conversion Factor Assessment**

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	-39.9
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

ŪIĎ	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max Unc <sup>E</sup> (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	185.7	± 3.5 %
		Y	0.00	0.00	1.00		188.4	
10010-	CAD Validation (Causes 400ma 40ma)	ZX	0.00	0.00	1.00	40.00	174.0	1000
CAA	SAR Validation (Square, 100ms, 10ms)		16.56	89.85	21.07	10.00	25.0	± 9.6 %
		Y	14.18	87.91	20.84		25.0	
10041		Z	16.46	89.94	21.19	0.00	25.0	100%
10011- CAB	UMTS-FDD (WCDMA)	Х	1.31	71.34	17.73	0.00	150.0	± 9.6 %
		Y	1.07	67.38	15.30		150.0	
10010		Z	1.14	68.61	16.10	~ 14	150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	Х	1.33	65.77	16.71	0.41	150.0	± 9.6 %
		Υ·	1.28	64.69	15.69		150.0	
10010		Z	1.29	65.03	16.02		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	Х	5.11	67.29	17.66	1.46	150.0	± 9.6 %
		Y	5.08	67.12	17.41		150.0	
40004		Z	5.08	67.16	17.48	0.00	150.0	1000
10021- DAC	GSM-FDD (TDMA, GMSK)	X	100.00	120.30	31.44	9.39	50.0	± 9.6 %
		Y	100.00	121.02	32.06		50.0	
10000		Z	100.00	120.74	31.69	0.57	50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	100.00	120.21	31.45	9.57	50.0	± 9.6 %
		Y	100.00	120.94	32.08		50.0	
40004		Z	100.00	120.65	31.69	0.50	50.0	100%
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	118.31	29.49	6.56	60.0	±9.6 %
		Y	100.00	118.38	29.74		60.0	
40005		Z	100.00	118.51	29.61 61.22	40.57	60.0 50.0	± 9.6 %
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	79.79	164.11		12.57		± 9.0 %
		Y	21.03	115.56	45.00 46.74		50.0 50.0	
10026-	EDGE-FDD (TDMA, 8PSK, TN 0-1)	ZX	21.02 56.10	<u>118.33</u> 137.19	46.74	9.56	60.0	± 9.6 %
DAC		1				3.50		1 0.0 /8
		Y Z	22.58 30.67	110.81 120.33	38.90 42.31		60.0 60.0	
10027-	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	118.60	28.85	4.80	80.0	± 9.6 %
DAC			400.00	447.00	00.70		00.0	
		Y	100.00	117.96	28.73		80.0	
10028-	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	Z X	100.00 100.00	118.50 120.37	28.81 28.91	3.55	80.0 100.0	± 9.6 %
DAC		Y	100.00	118.79	28.36		100.0	
		Z	100.00	119.82	28.67		100.0	<b> </b>
10029-	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	18.11	107.13	37.13	7.80	80.0	± 9.6 %
DAC		Y	12.22	95.66	32.56		80.0	
		Z	13.69	99.54	34.27		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	117.23	28.52	5.30	70.0	± 9.6 %
		TY	100.00	116.90	28.56	+	70.0	
		Z	100.00	117.22	28.54	1	70.0	Ī
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	124.45	29.19	1.88	100.0	± 9.6 %
		Y	100.00	120.00	27.42		100.0	
		Z	100.00	122.22	28.25		100.0	

10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	134.81	32.39	1.17	100.0	± 9.6 %
		Y	100.00	125.40	28.63	<u> </u>	100.0	
		Ż	100.00	129.61	30.26	·	100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	100.00	129.27	35.65	5.30	70.0	± 9.6 %
·		Y	49.54	115.99	32.11		70.0	
L		Z	90.11	126.99	34.97		70.0	1
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	16.84	102.10	27.13	1.88	100.0	± 9.6 %
ļ		Y	7.82	89.20	22.87		100.0	
4000		Z	9.48	92.81	24.19		100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	6.67	89.65	23.23	1.17	100.0	± 9.6 %
		Y	3.84	80.35	19.62		100.0	
10036-		Z	4.40	82.90	20.73		100.0	
CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	100.00	129.52	35.77	5.30	70.0	± 9.6 %
	· · · · · ·	<u>Y</u>	85.34	125.22	34.45		70.0	
10037-	IFEE 802 15 1 Plustaath (0 DDDU/ DUD		100.00	128.99	35.51		70.0	
CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	15.79	101.19	26.84	1.88	100.0	± 9.6 %
		Y	7.32	88.29	22.54		100.0	
10038-	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Z	8.88	91.91	23.88		100.0	
CAA		X	6.96	90.64	23.66	1.17	100.0	±9.6 %
		Y	3.95	81.00	19.95		100.0	
10039-	CDMA2000 (1xRTT, RC1)	Z	4.52	83.60	21.07		100.0	
CAB	CDMA2000 (1XR11, RC1)	X	2.68	77.46	18.66	0.00	150.0	± 9.6 %
. <u>.</u>		Y	1.87	71.76	15.92		150.0	
10042-		Z	2.09	73.47	16.81		150.0	
CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	X	100.00	116.28	28.75	7.78	50.0	± 9.6 %
		Y	100.00	116.68	29.16		50.0	
10044-		Z	100.00	116.58	28.91		50.0	
CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.01	103.03	6.46	0.00	150.0	± 9.6 %
		Y	0.01	95.61	0.65		150.0	
40040		Z	0.02	122.64	11.17		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	100.00	122.27	33.78	13.80	25.0	± 9.6 %
		Y	88.36	120.80	33.95	_	25.0	
40040		Z	100.00	122.70	34.06		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	100.00	120.46	31.88	10.79	40.0	± 9.6 %
<u></u>		Y	100.00	121.38	32.63		40.0	
10056-		Z	100.00	120.92	32.14		40.0	
CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	64.71	119.17	33.88	9.03	50.0	±9.6 %
		Y	<u>31.81</u>	105.88	30.24		50.0	
10058-	EDGE EDD (TDMA ADOV THA 4 0.0)	Z	48.79	114.06	32.52	·	50.0	
DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	10.31	93.78	31.68	6.55	100.0	± 9.6 %
		Y	8.35	87.44	28.76		100.0	
10059-		Z	8.74	89.37	29.77		100.0	
CAB	IEEE 802.11b WIFi 2.4 GHz (DSSS, 2 Mbps)	X	1.47	67.98	17.85	0.61	110.0	±9.6 %
		Y	1.41	66.57	16.67		110.0	
10060		Z	1.42	66.96	17.03		110.0	
10060- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	138.63	36.70	1.30	110.0	± 9.6 %
		Y	100.00	134.16	34.76		110.0	
	1	Z	100.00	136.34	35.67		110.0	·

10061- CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps)	X	21.25	113.68	33.06	2.04	110.0	±9.6 %
		Y	8.67	95.89	27.33		110.0	
		Z	10.38	100.06	28.88		110.0	
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.87	67.16	16.99	0.49	100.0	± 9.6 %
		Y	4.83	66.94	16.72		100.0	
		Z	4.84	67.02	16.80		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.90	67.29	17.12	0.72	100.0	±9.6 %
		Y	4.86	67.08	16.85		100.0	
		Z	4.87	67.15	16.93		100.0	
10064- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.22	67.61	17.38	0.86	100.0	±9.6 %
		Y	5.17	67.40	17.11		100.0	
		Z	5.19	67.47	17.19		100.0	
10065- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	5.10	67.59	17.53	1.21	100.0	±9.6 %
		Y	5.06	67.39	17.27	-	100.0	
10000		Z	5.07	67.45	17.34		100.0	
10066- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	5.14	67.68	17.74	1.46	100.0	±9.6 %
		Y	5.10	67.48	17.48		100.0	
40007		Z	5.11	67.54	17.56		100.0	
10067- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.44	67.85	18.21	2.04	100.0	± 9.6 %
		Y	5.41	67.66	17.95		100.0	
10000		Z	5.41	67.71	18.02		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.54	68.11	18.56	2.55	100.0	± 9.6 %
		Y	5.51	67.91	18.28		100.0	
		Z	5.51	67.95	18.36		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.62	68.08	18.75	2.67	100.0	±9.6 %
		Y	5.59	67.88	18.46		100.0	
		Z	5.59	67.92	18.55		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.23	67.47	18.03	1.99	100.0	± 9.6 %
		Y	5.20	67.30	17.78		100.0	
		Z	5.20	67.34	17.85		100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.25	67.96	18.33	2.30	100.0	± 9.6 %
		Y	5.23	67.77	18.07		100.0	
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	Z X	5.22 5.35	67.81 68.24	18.14 18.74	2.83	100.0 100.0	± 9.6 %
<i></i>		Y	5.33	68.06	18.47		100.0	
		Ż	5.32	68.08	18.54		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.35	68.21	18.96	3.30	100.0	± 9.6 %
		Y	5.34	68.06	18.69	1	100.0	1
		Z	5.32	68.06	18.76		100.0	1
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.45	68.57	19.42	3.82	90.0	± 9.6 %
		Y	5.44	68.40	19.14		90.0	
		Z	5.42	68.40	19.20		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.44	68.33	19.53	4.15	90.0	± 9.6 %
		Y	5.45	68.18	19.25		90.0	
		Z	5.42	68.16	19.32		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.47	68.40	19.63	4.30	90.0	± 9.6 %
		Y	5.48	68.26	19.35		90.0	-
-		Ż	5.45	68.24	19.42		90.0	1

10081- CAB	CDMA2000 (1xRTT, RC3)	X	1.23	71.08	15.82	0.00	150.0	± 9.6 %
		Y	0.91	66.28	13.04		150.0	
		Z	0.99	67.64	13.91		150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	X	1.44	62.24	7.11	4.77	80.0	± 9.6 %
		Y	1.55	62.44	7.40	1	80.0	
		Z	1.44	62.17	7.10		80.0	· · · · · · · · · · · · · · · · · · ·
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	118.36	29.54	6.56	60.0	± 9.6 %
		Y	100.00	118.45	29.79		60.0	
10097-		Z	100.00	118.56	29.65		60.0	
CAB	UMTS-FDD (HSDPA)	X	2.01	69.10	16.79	0.00	150.0	± 9.6 %
		Y	1.86	67.49	15.67		150.0	
10008	UMTS-FDD (HSUPA, Subtest 2)	Z	1.91	68.05	16.06		150.0	
10098- CAB	OMTS-FDD (HSOPA, Sublest 2)	X	1.98	69.12	16.80	0.00	150.0	± 9.6 %
		Y	1.82	67.46	15.64		150.0	
10099-	EDGE-FDD (TDMA, 8PSK, TN 0-4)	Z	1.87	68.03	16.04		150.0	
DAC	EDGE-FDD (TDMA, 8PSK, IN 0-4)	X	56.10	137.12	47.49	9.56	60.0	± 9.6 %
		Y	22.61	110.79	38.89		60.0	
10100-		Z	30.74	120.33	42.30		60.0	
CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.46	71.82	17.60	0.00	150.0	± 9.6 %
		Y	3.20	70.34	16.69		150.0	
10101-		Z	3.29	70.87	17.01		150.0	
CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.44	68.35	16.55	0.00	150.0	± 9.6 %
		Ŷ	3.33	67.66	16.01		150.0	
10100		Z	3.37	67.92	16.20		150.0	
10102- CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.53	68.21	16.59	0.00	150.0	±9.6 %
		Y	3.43	67.60	16.09		150.0	
40400		Z	3.46	67.83	16.26		150.0	
10103- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	8.71	80.18	22.43	3.98	65.0	± 9.6 %
		Y	8.63	79.54	22.01		65.0	
40404		Z	8.72	80.06	22.29		65.0	
10104- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.41	78.26	22.59	3.98	65.0	± 9.6 %
		Y	8.16	77.17	21.90		65.0	
10105-		Z	8.16	77.51	22.15		65.0	
CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	7.75	76.58	22.19	3.98	65.0	± 9.6 %
. <u> </u>		Y	7.29	74.89	21.22		65.0	
10108- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	Z X	7.40 3.04	75.53 71.09	21.60 17.48	0.00	65.0 150.0	± 9.6 %
		Y	2.81	60.50	- 10 50		450.0	
		Z	2.89	69.59 70.12	16.53		150.0	
10109-	LTE-FDD (SC-FDMA, 100% RB, 10	X	3.10	68.24	16.86 16.51	0.00	150.0	1000
CAD	MHz, 16-QAM)	Ŷ				0.00	150.0	± 9.6 %
		Z	2.98 3.02	67.47	15.91	·	150.0	
10110- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	<u>3.02</u> 2.51	67.76 70.39	<u>16.12</u> 17.27	0.00	150.0 150.0	± 9.6 %
		TY	2.30	68.71	16.17		150.0	
		Z	2.37	69.29	16.55		150.0	
10111- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.80	68.98	16.82	0.00	150.0	± 9.6 %
CAD	· · · · · · · · · · · · · · · · · · ·	Y	0.07					
		1 Y I	2.67	68.08	16.14		150.0	

10112- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.21	68.13	16.51	0.00	150.0	± 9.6 %
		Y	3.11	67.44	15.96		150.0	
		Ż	3.14	67.70	16.15		150.0	
10113- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.94	69.00	16.88	0.00	150.0	±9.6 %
		Y	2.83	68.20	16.26		150.0	
		Z	2.87	68.48	16.47		150.0	
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.29	67.60	16.80	0.00	150.0	±9.6 %
		Y	5.23	67.37	16.54		150.0	
		Z	5.25	67.46	16.62		150.0	
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.64	67.91	16.97	0.00	150.0	±9.6 %
		Y	5.58	67.65	16.70		150.0	
		Z	5.60	67.75	16.78		150.0	
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.42	67.88	16.87	0.00	150.0	±9.6 %
_		Y	5.35	67.63	16.60		150.0	
		Z	5.37	67.72	16.68		150.0	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.27	67.51	16.78	0.00	150.0	±9.6 %
		Y	5.21	67.27	16.51		150.0	
		Z	5.23	67.37	16.60		150.0	
10118- CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)	X	5.75	68.18	17.12	0.00	150.0	±9.6 %
		Y	5.68	67.91	16.83		150.0	
		Z	5.70	68.00	16.92		150.0	
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)	X	5.39	67.82	16.85	0.00	150.0	±9.6 %
		Y	5.33	67.57	16.58		150.0	
		Z	5.35	67.66	16.66		150.0	
10140- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.57	68.23	16.51	0.00	150.0	±9.6 %
		Y	3.47	67.61	16.01		150.0	
		Z	3.51	67.84	16.19		150.0	
10141- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.69	68.24	16.63	0.00	150.0	±9.6 %
		Y	3.59	67.69	16.17		150.0	
		Z	3.63	67.89	16.33		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.30	70.61	17.13	0.00	150.0	±9.6 %
		Y	2.07	68.65	15.88		150.0	
		Z	2.15	69.31	16.31		150.0	
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.70	69.93	16.73	0.00	150.0	± 9.6 %
		Y	2.53	68.73	15.89		150.0	
		Z	2.59	69.14	16.18		150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.50	67.93	15.31	0.00	150.0	± 9.6 %
		Y	2.35	66.79	14.47		150.0	
		Z	2.40	67.20	14.77		150.0	
10145- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.61	68.59	14.32	0.00	150.0	± 9.6 %
		Y	1.36	65.99	12.68		150.0	
		Z	1.44	66.83	13.25		150.0	
10146- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	4.12	76.15	17.00	0.00	150.0	± 9.6 %
		Y	3.13	71.87	14.86		150.0	
		Z	3.61	74.04	16.00		150.0	
10147- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	5.91	81.17	19.01	0.00	150.0	± 9.6 %
		Y	4.21	75.86	16.64		150.0	
		Ż	5.05	78.62	17.93	1	150.0	T

10149- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	x	3.10	68.30	16.55	0.00	150.0	± 9.6 %
		Y	2.99	67.53	15.95	<u> </u>	150.0	
		Ż	3.03	67.81	16.16		150.0	· · · · · · · · · · · · · · · · · · ·
10150- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.22	68.17	16.55	0.00	150.0	± 9.6 %
		Y	3.11	67.49	16.00	· · · · · · · · · · · · · · · · · · ·	150.0	
10/51		Z	3.15	67.74	16.19		150.0	· · · · · · · · · · · · · · · · · · ·
10151- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.92	84.00	24.01	3.98	65.0	± 9.6 %
		Y	9.28	82.23	23.13	_	65.0	
40450		Z	9.42	82.88	23.47		65.0	
10152- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	8.12	78.81	22.58	3.98	65.0	± 9.6 %
		Y	7.79	77.46	21.77		65.0	
10153	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	Z	7.82	77.90	22.06		65.0	
10153- CAC	64-QAM)	X	8.47	79.51	23.20	3.98	65.0	± 9.6 %
		×	8.19	78.31	22.47		65.0	
10154-		Z	8.19	78.67	22.72		65.0	
CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.56	70.77	17.50	0.00	150.0	± 9.6 %
		Y	2.35	69.09	16.42		150.0	
10155-	LTE-FDD (SC-FDMA, 50% RB, 10 MHz,		2.42	69.67	16.79		150.0	
CAD	16-QAM)	X	2.80	68.99	16.83	0.00	150.0	± 9.6 %
·······		Y	2.68	68.09	16.15		150.0	
10156-		Z	2.72	68.40	16.38		150.0	
CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.18	71.04	17.14	0.00	150.0	± 9.6 %
<u> </u>		Y	1.92	68.76	15.73		150.0	
10157		Z	2.01	69.52	16.21		150.0	
10157- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.37	68.82	15.55	0.00	150.0	± 9.6 %
		Y	2.18	67.35	14.55		150.0	
10158-		Z	2.25	67.86	14.90		150.0	
CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.95	69.05	16.92	0.00	150.0	± 9.6 %
		Y	2.83	68.25	16.30		150.0	
40450		Z	2.87	68.52	16.51		150.0	
10159- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.48	69.16	15.77	0.00	150.0	± 9.6 %
		Y	2.29	67.76	14.81		150.0	
10160-		Z	2.35	68.25	<u>1</u> 5.15		150.0	
CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	3.02	70.00	17.21	0.00	150.0	± 9.6 %
		Y	2.84	68.79	16.39		150.0	
10161-	I TE EDD (SO EDMA SON DD 45 M	Z	2.90	69.20	16.66		150.0	
CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.11	68.10	16.49	0.00	150.0	± 9.6 %
		Y	3.01	67.41	15.93		150.0	
10160		Z	3.04	67.66	16.12		150.0	
10162- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.22	68.18	16.56	0.00	150.0	± 9.6 %
		Y	3.11	67.53	16.02		150.0	
10166-		Z	3.15	67.77	16.21		150.0	
CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.01	71.57	20.55	3.01	150.0	±9.6 %
		Y	3.96	70.99	19.97		150.0	
10167		Z	4.00	71.24	20.22		150.0	
10167- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.34	76.03	21.61	3.01	150.0	±9.6 %
<u> </u>		Y	5.24	75.14	20.90		150.0	
		Z	5.29	75.43	21.17		150.0	

10168- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.92	78.26	22.84	3.01	150.0	± 9.6 %
0.10		Y	5.88	77.64	22.28		150.0	
		z	5.88	77.74	22.45		150.0	
10169- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	x	3.56	72.83	21.25	3.01	150.0	± 9.6 %
		Y	3.54	72.03	20.47		150.0	
		Z	3.57	72.33	20.78		150.0	
10170- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	5.89	82.52	24.81	3.01	150.0	± 9.6 %
		Y	5.80	81.18	23.85		150.0	
		Z	5.77	81.27	24.06		150.0	
10171- AAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	4.66	77.30	21.81	3.01	150.0	± 9.6 %
		Y	4.48	75.56	20.63		150.0	
101-0		Z	4.56	76.10	21.06		150.0	
10172- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	100.00	142.02	43.67	6.02	65.0	± 9.6 %
		Y	29.14	113.86	35.69		65.0	
40470		Z	42.14	122.72	38.48	<b>.</b>	65.0	
10173- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	100.00	131.99	38.44	6.02	65.0	± 9.6 %
		Y	100.00	129.98	37.53		65.0	
		Z	100.00	131.24	38.14		65.0	
10174- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	100.00	130.14	37.45	6.02	65.0	± 9.6 %
		Y	100.00	127.86	36.41		65.0	
		Z	91.70	127.77	36.74		65.0	
10175- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.52	72.50	21.01	3.01	150.0	± 9.6 %
		Y	3.49	71.66	20.21		150.0	
		Z	3.53	71.99	20.53		150.0	
10176- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	5.90	82.55	24.82	3.01	150.0	± 9.6 %
		Y	5.81	81.21	23.86		150.0	
		Z	5.78	81.30	24.07		150.0	
10177- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.55	72.66	21.10	3.01	150.0	± 9.6 %
		Y	3.52	71.84	20.31		150.0	
		Z	3.56	72.16	20.62		150.0	
10178- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	5.82	82.23	24.68	3.01	150.0	± 9.6 %
		Y	5.72	80.87	23.70		150.0	
		Z	5.70	80.99	23.93		150.0	
10179- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	5.25	79.82	23.19	3.01	150.0	± 9.6 %
		Y	5.07	78.18	22.08		150.0	
		Z	5.12	78.56	22.43		150.0	
10180- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	4.65	77.21	21.76	3.01	150.0	± 9.6 %
		Y	4.46	75.45	20.57		150.0	
		Z	4.54	76.00	21.00		150.0	
10181- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.55	72.65	21.10	3.01	150.0	± 9.6 %
		Y	3.51	71.82	20.30		150.0	
		Z	3.55	72.14	20.62	1	150.0	
10182- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	5.81	82.20	24.67	3.01	150.0	± 9.6 %
		Υ	5.71	80.84	23.69		150.0	
		Z	5.69	80.96	23.92		150.0	
10183- AAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	4.64	77.18	21.74	3.01	150.0	± 9.6 %
·		Y	4.45	75.42	20.56	1	150.0	
· · · · · · · · · · · · · · · · · · ·		Ż	4.53	75.97	20.99	1	150.0	1

10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.56	72.69	21.12	3.01	150.0	± 9.6 %
		Y	3.53	71.87	20.33	+ <u> </u>	150.0	┢───
		Ż	3.57	72.19	20.33			┨─────
10185- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	5.84	82.29	20.64	3.01	150.0 150.0	± 9.6 %
		Y	5.74	80.94	23.73		150.0	
		Z	5.72	81.05	23.96		150.0	<u> </u>
10186- AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	4.67	77.27	21.78	3.01	150.0	± 9.6 %
		ΤY	4.47	75.51	20.59		150.0	
		Z	4.56	76.06	21.03		150.0	<u> </u>
10187- CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	Х	3.57	72.74	21.18	3.01	150.0	± 9.6 %
		Y	3.54	71.92	20.39		150.0	· · · · · · · · · · · · · · · · · · ·
		Z	3.58	72.24	20.70		150.0	+
10188- CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	6.08	83.16	25.13	3.01	150.0	±9.6%
		Y	6.00	81.87	24.19		150.0	1
		Z	5.95	81.90	24.38		150.0	
10189- AAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.80	77.83	22.09	3.01	150.0	± 9.6 %
		Y	4.61	76.08	20.92		150.0	
40.100		Z	4.69	76.60	21.33		150.0	
10193- CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.68	66.98	16.53	0.00	150.0	± 9.6 %
		Y	4.62	66.73	16.24		150.0	
40404		Z	4.64	66.83	16.34		150.0	
10194- CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.86	67.32	16.65	0.00	150.0	± 9.6 %
		Y	4.81	67.07	16.37		150.0	
		Z	4.83	67.17	16.46		150.0	
10195- CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.91	67.35	16.66	0.00	150.0	±9.6 %
		Y	4.85	67.10	16.38		150.0	
		Z	4.87	67.20	16.47		150.0	
10196- CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.69	67.06	16.56	0.00	150.0	±9.6 %
		Y	4.63	66.81	16.27		150.0	
10100		Z	4.65	66.91	16.37		150.0	
10197- CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)	X	4.88	67.35	16.66	0.00	150.0	± 9.6 %
		Y	4.82	67.09	16.38		150.0	
10100		Z	4.84	67.19	16.47		150.0	
10198- CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)	X	4.91	67.37	16.68	0.00	150.0	± 9.6 %
		Y	4.85	67.12	16.39		150.0	
10010		Z	4.87	67.22	16.49		150.0	
10219- CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.64	67.08	16.52	0.00	150.0	± 9.6 %
		Y	4.58	66.82	16.23		150.0	
10220-		Z	4.60	66.92	16.33		150.0	
CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	X	4.88	67.33	16.66	0.00	150.0	± 9.6 %
		Y	4.82	67.07	16.37		150.0	
10221-	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-	Z X	4.84 4.92	67.17 67.29	16.47 16.66	0.00	150.0 150.0	± 9.6 %
CAB	QAM)			]	[			
		Y	4.86	67.05	16.38		150.0	
40000		Ζ	4.88	67.14	16.47		150.0	
10222- CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.24	67.52	16.77	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·		E 40	07.00	10.01		· · · · · · · · · · · · · · · · · · ·	
		Y Z	5.18 5.21	67.28	16.51		150.0	

10223- CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16- QAM)	X	5.57	67.76	16.92	0.00	150.0	± 9.6 %
		Y	5.51	67.51	16.65		150.0	
		Z	5.53	67.60	16.73		150.0	
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64- QAM)	X	5.29	67.62	16.75	0.00	150.0	± 9.6 %
		Y	5.23	67.38	16.48		150.0	
		Z	5.25	67.47	16.57		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	2.96	66.72	15.94	0.00	150.0	± 9.6 %
		Y	2.88	66.18	15.44		150.0	
		Z	2.91	66.38	15.61		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	100.00	132.19	38.58	6.02	65.0	± 9.6 %
		Y	100.00	130.20	37.67		65.0	
		Z	100.00	131.44	38.27		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	100.00	129.74	37.30	6.02	65.0	± 9.6 %
		Y	100.00	127.95	36.49		65.0	
		Z	100.00	129.11	37.05		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	100.00	141.90	43.60	6.02	65.0	± 9.6 %
		Y	64.28	130.08	40.04		65.0	
		Z	94.90	139.78	42.86		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	100.00	131.97	38.44	6.02	65.0	± 9.6 %
		Y	100.00	129.97	37.54		65.0	
		Z	100.00	131.22	38.14		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	100.00	129.60	37.20	6.02	65.0	± 9.6 %
		Y	100.00	127.79	36.39		65.0	
		Z	100.00	128.96	36.95		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	100.00	141.75	43.50	6.02	65.0	± 9.6 %
		Y	57.85	127.76	39.37		65.0	
		Z	84.57	137.19	42.14		65.0	
10232- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	100.00	131.99	38.45	6.02	65.0	± 9.6 %
		Y	100.00	129.98	37.54		65.0	
		Z	100.00	131.24	38.14		65.0	
10233- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	100.00	129.61	37.21	6.02	65.0	± 9.6 %
		Y	100.00	127.81	36.39		65.0	1
		Z	100.00	128.97	36.95		65.0	
10234- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	100.00	141.44	43.31	6.02	65.0	± 9.6 %
		Y	52.53	125.50	38.67	ļ	65.0	ļ
		Z	75.93	134.62	41.39		65.0	
10235- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	100.00	132.00	38.45	6.02	65.0	± 9.6 %
		Y	100.00	130.00	37.54	Į	65.0	<u> </u>
		Z	100.00	131.25	38.15		65.0	
10236- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	100.00	129.56	37.18	6.02	65.0	± 9.6 %
		Y	100.00	127.76	36.37		65.0	
		Z	100.00	128.92	36.93		65.0	
10237- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	100.00	141.78	43.50	6.02	65.0	± 9.6 %
		Y	58.86	128.14	39.47		65.0	<u> </u>
		Z	86.67	137.73	42.28		65.0	
10238- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	100.00	132.00	38.45	6.02	65.0	± 9.6 %
		Y	100.00	129.99	37.54		65.0	
		Ż	100.00	131.25	38.14		65.0	1

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10239- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	100.00	129.64	37.21	6.02	65.0	± 9.6 %
		Y	100.00	127.83	36.40	1	65.0	1
		Z	100.00	129.00	36.96		65.0	
10240- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	Х	100.00	141.80	43.51	6.02	65.0	± 9.6 %
		Y	58.51	128.03	39,44		65.0	
		Z	86.02	137.59	42.24		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	13.65	92.13	30.26	6.98	65.0	± 9.6 %
		Y	12.73	89.47	28.84		65.0	<u> </u>
		Z	12.83	90.19	29.33	<u> </u>	65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	11.56	88.33	28.75	6.98	65.0	± 9.6 %
		Y	12.17	88.47	28.39		65.0	
10010		Z	10.55	85.79	27.57		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	8.75	83.84	28.04	6.98	65.0	± 9.6 %
		Υ	9.16	83.97	27.64		65.0	
40043		Z	8.20	81.83	26.97		65.0	1
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	11.15	85.22	22.92	3.98	65.0	± 9.6 %
		Υ	10.49	83.51	22.06		65.0	
10015		Z	10.74	84.39	22.53		65.0	
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	×	10.71	84.28	22.53	3.98	65.0	± 9.6 %
		Y	10.12	82.65	21.69		65.0	
100/0		Z	10.34	83.48	22.15		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	11.99	89.44	24.35	3.98	65.0	± 9.6 %
		Y	10.01	85.73	22.85		65.0	
1001-		Z	10.59	87.16	23.46		65.0	
10247- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	7.78	79.88	21.56	3.98	65.0	± 9.6 %
		Y	7.39		20.77		65.0	
10010		Z	7.42	78.92	21.06		65.0	
10248- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	7.68	79.17	21.27	3.98	65.0	± 9.6 %
		Y	7.29	77.74	20.47		65.0	
		Z	7.33	78.22	20.77		65.0	
10249- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	13.65	92.24	26.09	3.98	65.0	± 9.6 %
		Y	11.34	88.25	24.50		65.0	
		Z	12.01	89.77	25.14		65.0	
10250- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.65	81.91	23.79	3.98	65.0	± 9.6 %
		Y	8.26	80.45	22.98		65.0	
10054		Z	8.27	80.90	23.26		65.0	
10251- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	×	8.08	79.43	22.51	3.98	65.0	± 9.6 %
		Y	7.71	78.00	21.68		65.0	
0050		Z	7.74	78.46	21.99		65.0	
10252- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	11.90	89.42	25.97	3.98	65.0	±9.6 %
		Y	10.50	86.42	24.67		65.0	
0050		Ζ	10.87	87.52	25.18		65.0	
10253- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	7.84	78.03	22.28	3.98	65.0	± 9.6 %
		Y	7.57	76.80	21.51		65.0	
		Ζ	7.57	77.19	21.79		65.0	
10254- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	х 	8.21	78.77	22.87	3.98	65.0	±9.6 %
		Y	7.97	77.64	22.16		65.0	
		Z	7.95	77.97	22.41		65.0	

10255- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	9.44	83.41	24.04	3.98	65.0	± 9.6 %
		Y	8.86	81.64	23.14		65.0	
		Z	8.96	82.26	23.48		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	9.33	81.69	20.68	3.98	65.0	± 9.6 %
		Y	8.73	79.97	19.81		65.0	
		Z	9.01	80.96	20.33		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	8.80	80.36	20.09	3.98	65.0	± 9.6 %
		Y	8.27	78.77	19.26		65.0	
		Z	8.51	79.68	19.75		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	9.10	84.22	21.80	3.98	65.0	± 9.6 %
		Y	7.87	81.28	20.53		65.0	
		Z	8.20	82.41	21.04		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	8.13	80.62	22.35	3.98	65.0	± 9.6 %
		Y	7.73	79.15	21.54		65.0	
10000		Z	7.76	79.63	21.84		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	8.07	80.16	22.18	3.98	65.0	± 9.6 %
		Y	7.70	78.77	21.40		65.0	
		Z	7.73	79.22	21.69		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	11.98	89.88	25.68	3.98	65.0	± 9.6 %
		Y	10.32	86.47	24.25		65.0	
		Z	10.77	87.74	24.81		65.0	
10262- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.64	81.87	23.76	3.98	65.0	± 9.6 %
		Y	8.25	80.40	22.94		65.0	
		Z	8.26	80.85	23.23		65.0	
10263- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	8.06	79.41	22.51	3.98	65.0	± 9.6 %
		Y	7.70	77.98	21.68		65.0	
		Z	7.73	78.44	21.98		65.0	
10264- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	11.79	89.22	25.88	3.98	65.0	± 9.6 %
		Y	10.40	86.22	24.58		65.0	
		Z	10.77	87.33	25.09		65.0	
10265- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	8.12	78.81	22.58	3.98	65.0	± 9.6 %
		Y	7.79	77.46	21.77		65.0	
		Z	7.81	77.90	22.07		65.0	
10266- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	8.47	79.50	23.19	3.98	65.0	± 9.6 %
		Y	8.19	78.30	22.46		65.0	
		Z	8.19	78.66	22.72		65.0	
10267- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	9.89	83.95	23.99	3.98	65.0	± 9.6 %
		Y	9.26	82.18	23.11		65.0	
		Z	9.39	82.83	23.45		65.0	1
10268- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.44	77.80	22.53	3.98	65.0	± 9.6 %
		Y	8.24	76.84	21.89		65.0	
		Z	8.22	77.13	22.11		65.0	
10269- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	8.33	77.26	22.37	3.98	65.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	8.15	76.36	21.76		65.0	
		Z	8.12	76.62	21.97		65.0	
10270- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	8.75	79.75	22.52	3.98	65.0	± 9.6 %
		Y	8.49	78.72	21.92		65.0	1
		Ż	8.50	79.07	22.14	t	65.0	1

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.73	67.18	15.92	0.00	150.0	± 9.6 %
		Y	2.64	66.46	15.31		150.0	
		Z	2.68	66.73	15.52	·	150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.87	70.21	17.08	0.00	150.0	± 9.6 %
		Y	1.66	67.87	15.58		150.0	
		Z	1.73	68.66	16.09		150.0	
10277- CAA	PHS (QPSK)	Х	3.84	66.56	11.27	9.03	50.0	±9.6 %
		Y	4.12	66.98	11.68		50.0	
400-0		Z	3.85	66.55	11.29		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	11.65	86.02	22.30	9.03	50.0	± 9.6 %
		Y	10.21	83.31	21.39		50.0	
40070		Z	10.96	84.97	21.93		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	11.92	86.31	22.44	9.03	50.0	± 9.6 %
		Y	10.38	83.50	21.49		50.0	1
40000		Z	11.18	85.20	22.04		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	X	2.05	73.37	16.75	0.00	150.0	± 9.6 %
		Y	1.54	68.94	14.39		150.0	
10001		Z	1.68	70.29	15.17		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	X	1.19	70.69	15.63	0.00	150.0	± 9.6 %
		Y	0.89	66.06	12.92		150.0	
		Z	0.97	67.37	13.76		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	Х	1.82	77.98	19.13	0.00	150.0	± 9.6 %
		Ϋ́	1.09	69.78	15.12		150.0	
		Z	1.26	72.00	16.33		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	3.13	86.75	22.80	0.00	150.0	± 9.6 %
		Y	1.53	74.84	17.78		150.0	
		Z	1.85	77.92	19.23		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	16.24	95.47	28.50	9.03	50.0	± 9.6 %
		Y	13.39	90.69	26.64		50.0	
		Z	14.20	92.62	27.44		50.0	
10297- AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	3.05	71.18	17.54	0.00	150.0	± 9.6 %
		Y	2.82	69.68	16.59		150.0	
40000		Z	2.90	70.21	16.92		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.96	70.66	16.14	0.00	150.0	± 9.6 %
		Y	1.66	67.94	14.50		150.0	
10000		Z	1.76	68.83	15.06		150.0	
10299- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	4.77	78.24	18.75	0.00	150.0	±9.6 %
		Y	3.92	74.76	16.99		150.0	
40000		Z	4.32	76.42	17.88		150.0	
10300- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	3.00	70.52	14.82	0.00	150.0	±9.6 %
		Y	2.63	68.29	13.44		150.0	
10301- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	Z X	2.81 5.51	69.37 68.11	14.14 19.09	4.17	150.0 80.0	±9.6 %
		Y	5.33	67.10	10.00		00.0	
				67.16	18.33	·······	80.0	
10302-	IEEE 802.16e WiMAX (29:18, 5ms,	X	<u>5.40</u> 5.91	67.58	18.66	4.00	80.0	
AAA	10MHz, QPSK, PUSC, 3 CTRL symbols)			68.43	19.68	4.96	80.0	± 9.6 %
u		Y	5.80	67.70	19.02		80.0	
		Z	5.81	67.92	19.25		80.0	

10303- AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	5.70	68.33	19.67	4.96	80.0	± 9.6 %
		Y	5.59	67.57	18.98		80.0	
		Z	5.60	67.78	19.21		80.0	
10304- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.41	67.77	18.89	4.17	80.0	±9.6 %
		Y	5.31	67.11	18.28		80.0	
		Z	5.33	67.30	18.48		80.0	
10305- AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	6.16	75.00	23.87	6.02	50.0	±9.6 %
		Y	6.03	73.79	22.78		50.0	
		Z	5.90	73.64	22.94		50.0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	5.76	70.24	21.37	6.02	50.0	± 9.6 %
		Y	5.59	69.03	20.35		50.0	
1000		Z	5.60	69.33	20.68		50.0	
10307- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	5.75	70.76	21.47	6.02	50.0	± 9.6 %
		Y	5.78	71.13	21.51		50.0	
40000		Z	5.57	69.74	20.73		50.0	
10308- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	5.77	71.12	21.68	6.02	50.0	± 9.6 %
		Y	5.80	71.54	21.74		50.0	
40000		Z	5.57	70.05	20.90	0.00	50.0	1000
10309- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	5.87	70.63	21.59	6.02	50.0	± 9.6 %
		Y	5.68	69.33	20.52		50.0	
10010		Z	5.69	69.66	20.87		50.0	
10310- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	5.74	70.42	21.38	6.02	50.0	± 9.6 %
		Y	5.56	69.17	20.34		50.0	
		Z	5.57	69.47	20.67		50.0	
10311- AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.41	70.28	17.06	0.00	150.0	± 9.6 %
		Y	3.18	68.96	16.24		150.0	
10010		Z	3.26	69.44	16.53	0.00	150.0	1000
10313- AAA	iDEN 1:3	X	11.93	87.85	22.00	6.99	70.0	± 9.6 %
		Y	8.95	83.03	20.34		70.0	
		Z	9.92	85.08	21.06	10.00	70.0	
10314- AAA	iDEN 1:6	X	19.66	101.09	29.03	10.00	30.0	± 9.6 %
		Y	13.64	93.68	26.63		30.0	
40045		Z	14.94	96.21	27.54	0.47	30.0	+0.0.0/
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.20	65.36	16.48	0.17	150.0	± 9.6 %
		Y	1.15	64.26	15.42	ļ	150.0	
		Z	1.17	64.62	15.77	0.47	150.0	1000
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.76	67.14	16.74	0.17	150.0	± 9.6 %
		Y	4.71	66.90	16.45		150.0	
400.47		Z	4.73	66.99	16.55	0.17	150.0	1000
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.76	67.14	16.74	0.17	150.0	± 9.6 %
		Y	4.71	66.90	16.45		150.0	
10.105		Z	4.73	66.99	16.55	0.00	150.0	1000
10400- AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.87	67.43	16.68	0.00	150.0	± 9.6 %
		Y	4.81	67.14	16.37	ļ	150.0	
		Z	4.83	67.26	16.47		150.0	
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.57	67.64	16.85	0.00	150.0	± 9.6 %
		Y	5.51	67.40	16.57	ļ	150.0	
		Z	5.53	67.48	16.66	r.	150.0	1

10402- AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.83	67.94	16.82	0.00	150.0	± 9.6 %
		Y	5.77	67.71	16.58		450.0	<u> </u>
		Z	5.79	67.80			150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	2.05	73.37	16.65 16.75	0.00	150.0 115.0	± 9.6 %
		TY-	1.54	68.94	14.39	<u> </u>	1150	·
		Ż	1.68	70.29	15.17		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	X	2.05	73.37	16.75	0.00	115.0 115.0	±9.6 %
		Y	1.54	68.94	14.39		115.0	1
		Z	1.68	70.29	15.17		115.0	<u> </u>
10406- AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	124.58	31.94	0.00	100.0	± 9.6 %
		Y	100.00	121.04	30.37		100.0	
		Z	100.00	123.01	31.32		100.0	<u>-</u>
10410- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	125.25	32.53	3.23	80.0	± 9.6 %
		Y	100.00	122.76	31.43		80.0	<u> </u>
10:1-		Ζ	100.00	124.49	32.22		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	Х	1.07	64.01	15.66	0.00	150.0	± 9.6 %
		Y	1.03	63.00	14.62		150.0	
		Z	1.05	63.37	14.98		150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	Х	4.68	67.03	16.59	0.00	150.0	± 9.6 %
		Y	4.63	66.78	16.30		150.0	
		Z	4.65	66.88	16.40		150.0	<u> </u>
10417- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	Х	4.68	67.03	16.59	0.00	150.0	± 9.6 %
		Y	4.63	66.78	16.30		150.0	
		Z	4.65	66.88	16.40		150.0	
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.67	67.18	16.60	0.00	150.0	± 9.6 %
		Y	4.61	66.92	16.31	•	150.0	
		Z	4.64	67.02	16.41	-	150.0	· · · · · · · · · · · · · · · · · · ·
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.69	67.13	16.61	0.00	150.0	± 9.6 %
		Ý	4.64	66.87	16.32		150.0	· · · · · · · · · · · · · · · · · · ·
		Z	4.66	66.98	16.42		150.0	
10422- AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.82	67.13	16.62	0.00	150.0	± 9.6 %
		Y	4.76	66.89	16.34		150.0	
10.122		Z	4.78	66.98	16.43		150.0	· · · · · · · · ·
10423- AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	5.00	67.48	16.75	0.00	150.0	± 9.6 %
		Y	4.94	67.23	16.47		150.0	
1010		Z	4.96	67.33	16.56	<u> </u>	150.0	
10424- AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.92	67.43	16.72	0.00	150.0	± 9.6 %
		Y	4.86	67.17	16.43		150.0	
1010-		Z	4.88	67.27	16.53		150.0	
10425- AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.54	67.85	16.94	0.00	150.0	± 9.6 %
		Y	5.48	67.60	16.67		150.0	
		Z	5.50	67.69	16.75		150.0	
10426- AAA	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.55	67.86	16.94	0.00	150.0	± 9.6 %
		Y	5.48	67.61	16.67		150.0	
		Z	5.50	67.70	16.75		150.0	

10427-	IEEE 802.11n (HT Greenfield, 150 Mbps,	X	5.55	67.81	16.91	0.00	150.0	± 9.6 %
AAA	64-QAM)					0.00		10.0 /0
		Y	5.49	67.57	16.65		150.0	
<del></del>		Z	5.51	67.66	16.73		150.0	
10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.30	70.44	18.21	0.00	150.0	± 9.6 %
		Y	4.27	70.38	18.04		150.0	
		Z	4.27	70.33	18.05		150.0	
10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.40	67.65	16.65	0.00	150.0	±9.6 %
		Y	4.32	67.31	16.31		150.0	
		Z	4.35	67.44	16.43		150.0	
10432- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.69	67.49	16.69	0.00	150.0	± 9.6 %
		Y	4.62	67.20	16.38		150.0	
		Z	4.65	67.32	16.48		150.0	
10433- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.93	67.46	16.74	0.00	150.0	±9.6 %
		Y	4.87	67.20	16.45		150.0	
		Z	4.89	67.31	16.55		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.38	71.21	18.18	0.00	150.0	± 9.6 %
		Y	4.35	71.12	17.99		150.0	
		Z	4.34	71.07	18.01		150.0	
10435- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	125.05	32.43	3.23	80.0	±9.6 %
		Y	100.00	122.57	31.34		80.0	
		Z	100.00	124.29	32.13		80.0	
10447- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.71	67.79	16.12	0.00	150.0	± 9.6 %
		Y	3.61	67.29	15.67		150.0	
		Z	3.65	67.48	15.83		150.0	
10448- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.22	67.42	16.51	0.00	150.0	± 9.6 %
		Y	4.15	67.08	16.17		150.0	
		Z	4.18	67.21	16.28		150.0	
10449- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.49	67.31	16.58	0.00	150.0	± 9.6 %
		Y	4.42	67.02	16.27		150.0	
		Z	4.45	67.13	16.38		150.0	
10450- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.67	67.22	16.59	0.00	150.0	± 9.6 %
		Y	4.62	66.95	16.30		150.0	
		Z	4.64	67.06	16.40		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.63	68.08	15.83	0.00	150.0	± 9.6 %
		Y	3.51	67.49	15.33		150.0	
		Z	3.56	67.71	15.51		150.0	
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.40	68.36	17.05	0.00	150.0	± 9.6 %
		Y	6.34	68.15	16.82		150.0	
		Z	6.36	68.22	16.89		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.89	65.64	16.31	0.00	150.0	± 9.6 %
		Y	3.85	65.40	16.01	<b>.</b>	150.0	
		Z	3.87	65.50	16.11		150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.46	67.50	15.35	0.00	150.0	± 9.6 %
		Y	3.34	66.87	14.80		150.0	
		Z	3.39	67.11	15.01		150.0	
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.52	65.47	16.05	0.00	150.0	± 9.6 %
		Y	4.52	65.47	15.86		150.0	
		Z	4.43	65.14	15.75	1	150.0	

10460- AAA	UMTS-FDD (WCDMA, AMR)	X	1.17	72.68	18.90	0.00	150.0	± 9.6 %
, , , , , , , , , , , , , , , , , , , ,		Y	0.92	67.87	15.00	ļ	450.0	
		Z	0.92		15.98		150.0	l
10461-	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz,	X	100.00	69.33 132.17	16.91 35.74	2.00	150.0	100%
<u>A</u> AA	QPSK, UL Subframe=2,3,4,7,8,9)	 				3.29	80.0	± 9.6 %
		<u>Y</u>	100.00	128.42	34.08		80.0	
10462-		Z	100.00	130.59	35.07		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	113.31	26.72	3.23	80.0	±9.6 %
		Y	100.00	110.59	25.58		80.0	
40.400		Z	100.00	112.57	26.48		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	109.35	24.86	3.23	80.0	± 9.6 %
		Y	100.00	106.97	23.86		80.0	
10101		Z	100.00	108.85	24.71		80.0	
10464- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	130.18	34.63	3.23	80.0	± 9.6 %
		Y	100.00	126.36	32.95		80.0	
		Z	100.00	128.62	33.98		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	112.71	26.43	3.23	80.0	± 9.6 %
		Y	100.00	110.00	25.29	·	80.0	
		Z	100.00	111.98	26.19		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	108.78	24.59	3.23	80.0	± 9.6 %
		Y	100.00	106.43	23.61		80.0	
		Ζ	100.00	108.29	24.45		80.0	······································
10467- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	130.44	34.75	3.23	80.0	± 9.6 %
		Y	100.00	126.60	33.07		80.0	
		Z	100.00	128.86	34.09		80.0	
10468- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	112.91	26.52	3.23	80.0	± 9.6 %
		Y	100.00	110.19	25.38		80.0	a
		Z	100.00	112.17	26.28		80.0	
10469- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.81	24.59	3.23	80.0	± 9.6 %
		Y	100.00	106.45	23.61		80.0	·
		Z	100.00	108.32	24.46		80.0	
10470- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	x	100.00	130.49	34.76	3.23	80.0	±9.6 %
		Y	100.00	126.64	33.07		80.0	
		Z	100.00	128.91	34.11		80.0	
10471- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	х	100.00	112.85	26.49	3.23	80.0	± 9.6 %
		Y	100.00	110.13	25.35	·	80.0	
		Z	100.00	112.12	26.25		80.0	·
10472- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.74	24.56	3.23	80.0	±9.6 %
		Y	100.00	106.39	23.57		80.0	
		Z	100.00	108.26	24.42		80.0	
10473- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	130.46	34.75	3.23	80.0	± 9.6 %
		Y	100.00	126.61	33.06		80.0	
		Z	100.00	128.88	34.09		80.0	
10474- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	x	100.00	112.87	26.49	3.23	80.0	±9.6 %
		Y	100.00	110.14	25.35		80.0	
		Ż	100.00	112.13	26.25		80.0	
10475-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.76	24.57	3.23	80.0	±9.6 %
AAB	=	.					1	
		Y	100.00	106.40	23.58		80.0	

10477- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	112.67	26.40	3.23	80.0	± 9.6 %
		Y	100.00	109.96	25.26		80.0	
		Z	100.00	111.94	26.16		80.0	
10478- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.69	24.54	3.23	80.0	± 9.6 %
		Y	100.00	106.34	23.55		80.0	
		Z	100.00	108.21	24.40		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	40.01	113.99	32.23	3.23	80.0	± 9.6 %
		Y	25.66	104.98	29.34		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Z X	28.59 65.50	107.69 112.78	30.37 29.57	3.23	80.0 80.0	± 9.6 %
7000	10 co (m, OE Oubliante=2,0,4,1,0,0)	Y	38.67	103.69	26.87		80.0	
		Z	45.46	106.90	27.97		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	43.66	105.54	27.32	3.23	80.0	± 9.6 %
		Y	27.51	97.77	24.89		80.0	
		Z	32.53	100.89	25.98		80.0	•
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.07	83.64	21.75	2.23	80.0	± 9.6 %
		Y	5.28	78.63	19.68		80.0	
		Z	5.64	80.01	20.31		80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	12.44	88.49	23.12	2.23	80.0	± 9.6 %
		Y	10.70	85.40	21.78		80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Z X	11.46 10.60	86.94 85.91	22.49 22.30	2.23	80.0 80.0	± 9.6 %
AAA	04-QAM, OL SUDITAME-2,3,4,7,6,9)	Y	9.30	83.19	21.06		80.0	
		Z	9.88	84.56	21.00		80.0	
10485- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.73	83.37	22.54	2.23	80.0	±9.6 %
		Y	5.38	79.13	20.71		80.0	
		Ż	5.62	80.23	21.24		80.0	
10486- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.83	74.76	18.90	2.23	80.0	±9.6 %
		Y	4.43	72.99	17.93		80.0	
		Z	4.49	73.45	18.22		80.0	
10487- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.73	74.06	18.61	2.23	80.0	± 9.6 %
		Y	4.38	72.45	17.70		80.0	
		Z	4.42	72.86	17.97		80.0	
10488- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.94	79.74	21.83	2.23	80.0	± 9.6 %
		Y	5.18	76.93	20.48		80.0	ļ
10489- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Z X	5.31 4.65	77.65 72.93	20.88 19.25	2.23	80.0 80.0	± 9.6 %
		Y	4.44	71.79	18.53		80.0	
		Z	4.45	72.03	18.73		80.0	
10490- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.70	72.53	19.10	2.23	80.0	± 9.6 %
		Y	4.51	71.49	18.42		80.0	
		Z	4.51	71.71	18.61	1	80.0	
10491- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.47	76.11	20.55	2.23	80.0	± 9.6 %
		Y	5.05	74.35	19.60		80.0	
10.100		Z	5.11	74.80	19.88		80.0	
10492- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.82	71.43	18.89	2.23	80.0	± 9.6 %
		Y	4.68	70.61	18.31	<u> </u>	80.0	ļ
		Z	4.67	70.78	18.47		80.0	<u> </u>

10493- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.87	71.19	18.80	2.23	80.0	± 9.6 %
		Y	4.73	70.41	18.24		80.0	+
		z	4.72	70.41	18.39	··		<u></u>
10494- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.24	78.41	21.24	2.23	80.0 80.0	± 9.6 %
70(0		Y	5.62	76.22	20.16		80.0	
		z	5.73	76.81	20.10			
10495-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	X	4.91			0.00	80.0	
AAB	16-QAM, UL Subframe=2,3,4,7,8,9)			72.01	19.14	2.23	80.0	± 9.6 %
		Y Z	4.75	71.11	18.53		80.0	
10496- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.74 4.93	71.30 71.51	18.69 18.96	2.23	80.0 80.0	± 9.6 %
		Y	4.79	70.71	18.40		80.0	
		Z	4.78	70.87	18.55		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	x	5.37	79.10	19.27	2.23	80.0	± 9.6 %
		Y	4.01	74.46	17.26		80.0	
		z	4.32	75.84	17.92		80.0	<u> </u>
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.20	69.04	14.31	2.23	80.0	± 9.6 %
••• <u> </u>		Y	2.73	66.72	13.06		80.0	
		Z	2.85	67.49	13.50		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.04	68.09	13.76	2.23	80.0	± 9.6 %
		Y	2.62	65.95	12.57		80.0	
		z	2.73	66.66	12.99		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.09	81.07	21.99	2.23	80.0	± 9.6 %
		Y	5.13	77.67	20.43		80.0	
		Z	5.29	78.55	20.89		80.0	l
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.73	73.89	18.97	2.23	80.0	± 9.6 %
		Y	4.43	72.44	18.13		80.0	
		Z	4.46	72.79	18.37		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.76	73.56	18.78	2.23	80.0	±9.6 %
		Y	4.47	72.19	17.97		80.0	
		Z	4.49	72.52	18.21		80.0	1
10503- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.85	79.51	21.73	2.23	80.0	± 9.6 %
		Y	5.11	76.71	20.38		80.0	
40803		Z	5.24	77.44	20.78		80.0	
10504- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.63	72.85	19.20	2.23	80.0	± 9.6 %
		Y	4.42	71.70	18.48		80.0	
40505		Z	4.43	71.95	18.68		80.0	
10505- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.68	72.44	19.05	2.23	80.0	± 9.6 %
		Y	4.49	71.39	18.37		80.0	
10500		Z	4.49	71.62	18.56		80.0	
10506- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.19	78.25	21.17	2.23	80.0	± 9.6 %
		Y	5.58	76.07	20.08		80.0	
40507		Z	5.68	76.66	20.41		80.0	
10507- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.89	71.95	19.11	2.23	80.0	± 9.6 %
		Y	4.73	71.04	18.50		80.0	

10508- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.92	71.45	18.93	2.23	80.0	± 9.6 %
		Y	4.78	70.64	18.36		80.0	
		Z	4.77	70.80	18.51		80.0	
10509- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.95	75.24	19.99	2.23	80.0	±9.6 %
		Y	5.60	73.90	19.24		80.0	
		Z	5.65	74.26	19.47		80.0	~
10510- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.29	71.15	18.83	2.23	80.0	± 9.6 %
		Y	5.16	70.46	18.33		80.0	
		Z	5.15	70.61	18.47		80.0	
10511- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.30	70.75	18.70	2.23	80.0	± 9.6 %
		Y	5.19	70.12	18.23		80.0	
		Z	5.17	70.25	18.36		80.0	
10512- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.65	77.81	20.82	2.23	80.0	± 9.6 %
		Y	6.08	75.94	19.88		80.0	
		Z	6.18	76.48	20.17		80.0	
10513- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.24	71.68	19.04	2.23	80.0	± 9.6 %
		Y	5.09	70.89	18.50		80.0	
10514- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Z X	5.08 5.18	71.06 71.04	18.65 18.83	2.23	80.0 80.0	± 9.6 %
····· ··	Cubitanic=2,0,4,7,0,0)	Y	5.06	70.34	18.33		80.0	
		z	5.05	70.49	18.47		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	1.04	64.30	15.79	0.00	150.0	±9.6 %
		Y	1.00	63.17	14.68		150.0	
		Z	1.01	63.58	15.06		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	1.17	82.68	23.48	0.00	150.0	±9.6 %
		Y	0.61	69.65	16.88		150.0	
40547		Z	0.72	72.79	18.69		150.0	100.00
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.94	67.44	17.14	0.00	150.0	± 9.6 %
		Y Z	0.85	65.01	15.25		150.0	
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	0.88 4.68	65.81 67.10	15.88 16.57	0.00	150.0 150.0	± 9.6 %
		Y	4.62	66.85	16.28		150.0	
		Z	4.64	66.95	16.38		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.88	67.37	16.70	0.00	150.0	± 9.6 %
		Y	4.82	67.11	16.42		150.0	
		Z	4.84	67.21	16.51		150.0	
10520- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.73	67.35	16.63	0.00	150.0	± 9.6 %
		Y	4.67	67.07	16.33	1	150.0	ļ
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	Z X	<u>4.69</u> 4.66	67.18 67.35	16.43 16.62	0.00	150.0 150.0	± 9.6 %
		Y	4.60	67.06	16.32		150.0	
		Z	4.62	67.17	16.42		150.0	· · · · · · · · · · · · · · · · · · ·
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.72	67.40	16.69	0.00	150.0	± 9.6 %
		Y	4.66	67.13	16.39		150.0	
		Z	4.68	67.24	16.49		150.0	

10523- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	x	4.59	67.26	16.53	0.00	150.0	± 9.6 %
		Y	4.53	66.98	16.23		150.0	
		Z	4.55	67.09	16.33		150.0	
10524- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.66	67.34	16.66	0.00	150.0	± 9.6 %
		Y	4.60	67.06	16.36		150.0	
		Z	4.63	67.17	16.46		150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.64	66.35	16.23	0.00	150.0	± 9.6 %
		Y	4.58	66.08	15.94		150.0	
10500		Z	4.60	66.19	16.04		150.0	
10526- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.82	66.75	16.38	0.00	150.0	± 9.6 %
		Y	4.76	66.47	16.09	l	150.0	
10527-		Z	4.78	66.58	16.19		150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.74	66.71	16.33	0.00	150.0	± 9.6 %
		Y	4.68	66.42	16.03		150.0	
10528-		Z	4.70	66.54	16.13		150.0	
10528- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.76	66.73	16.36	0.00	150.0	± 9.6 %
		Y	4.69	66.44	16.07		150.0	
10529-	IEEE 802.11ac WiFi (20MHz, MCS4,	Z	4.72	66.56	16.17		150.0	
AAA	99pc duty cycle)	X	4.76	66.73	16.36	0.00	150.0	± 9.6 %
		Y	4.69	66.44	16.07		150.0	
10531-		Z	4.72	66.56	16.17		150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.76	66.87	16.39	0.00	150.0	± 9.6 %
		Ŷ	4.69	66.56	16.08		150.0	
10520		Z	4.72	66.68	16.19		150.0	
10532- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.62	66.72	16.33	0.00	150.0	±9.6 %
		Y	4.55	66.41	16.02		150.0	
10533-		Z	4.57	66.53	16.12		150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.77	66.77	16.35	0.00	150.0	± 9.6 %
		Y	4.70	66.48	16.05		150.0	
40504		Z	4.73	66.60	16.15		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.29	66.84	16.41	0.00	150.0	± 9.6 %
		Y	5.23	66.60	16.14		150.0	
40505		Z	5.25	66.69	16.23		150.0	
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.37	67.02	16.49	0.00	150.0	± 9.6 %
		Y	5.30	66.78	16.22		150.0	
10520		Z	5.32	66.87	16.31		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.23	66.97	16.44	0.00	150.0	± 9.6 %
		Y	5.17	66.72	16.17		150.0	
10507		Z	5.19	66.82	16.26		150.0	
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.29	66.95	16.43	0.00	150.0	± 9.6 %
		Y	5.23	66.69	16.17		150.0	
40500		Z	5.25	66.79	16.25		150.0	
10538- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.39	66.99	16.50	0.00	150.0	± 9.6 %
		Y	5.33	66.74	16.23		150.0	
40540		Z	5.35	66.84	16.31		150.0	
10540- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.32	66.99	16.51	0.00	150.0	± 9.6 %
		Y	5.25	66.74	16.24		150.0	
		Z	5.27	66.83	16.33		150.0	

10541- AAA	IEEE 802.11ac WiFi (40MHz, MCS7,	X	5.28	66.83	16.43	0.00	150.0	± 9.6 %
~~~	99pc duty cycle)	Y	5.22	66.59	16.16		450.0	
		Z	5.22	66.69			150.0	
10542- AAA	IEEE 802.11ac WIFI (40MHz, MCS8, 99pc duty cycle)	X	5.44	66.91	16.25 16.48	0.00	150.0 150.0	±9.6 %
////		Y	5.38	66.68	16.22		150.0	
		z	5.40	66.77	16.30		150.0	
10543-	IEEE 802.11ac WiFi (40MHz, MCS9,	X	5.53	66.97	16.53	0.00	150.0	± 9.6 %
AAA	99pc duty cycle)	Y	5.47	66.73	16.27		150.0	
		Z	<u> </u>	66.82	16.35		150.0	
10544- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.59	66.91	16.37	0.00	150.0	± 9.6 %
		Y	5.53	66.70	16.13		150.0	
		Z	5.55	66.79	16.21		150.0	
10545- AAA	IEEE 802.11ac WIFI (80MHz, MCS1, 99pc duty cycle)	X	5.82	67.42	16.57	0.00	150.0	± 9.6 %
		Y	5.75	67.17	16.32		150.0	
		Z	5.77	67.26	16.40		150.0	
10546- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.68	67.19	16.48	0.00	150.0	±9.6 %
		Y	5.61	66.95	16.22		150.0	
		Z	5.64	67.05	16.30		150.0	
10547- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.77	67.28	16.51	0.00	150.0	± 9.6 %
		Y	5.70	67.03	16.25		150.0	
		Z	5.72	67.12	16.33		150.0	
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	6.16	68.66	17.18	0.00	150.0	± 9.6 %
		Y	6.05	68.25	16.83		150.0	
		Z	6.07	68.36	16.93		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.70	67.18	16.48	0.00	150.0	± 9.6 %
		Y	5.64	66.95	16.23		150.0	
		Z	5.66	67.04	16.31		150.0	
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.70	67.20	16.45	0.00	150.0	± 9.6 %
		Y	5.64	66.98	16.21		150.0	
		Z	5.66	67.07	16.28		150.0	
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.60	66.97	16.34	0.00	150.0	± 9.6 %
		Y	5.55	66.76	16.11		150.0	
		Z	5.57	66.85	16.18		150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.69	67.02	16.40	0.00	150.0	±9.6 %
		Y	5.64	66.81	16.16	<u> </u>	150.0	
		Z	5.66	66.90	16.24	L	150.0	
10554- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	6.00	67.29	16.47	0.00	150.0	±9.6 %
		Υ	5.95	67.09	16.23		150.0	
		Z	5.96	67.17	16.31		150.0	
10555- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.15	67.65	16.62	0.00	150.0	± 9.6 %
		Y	6.09	67.42	16.38		150.0	
10556-	IEEE 1602.11ac WiFi (160MHz, MCS2,	Z X	6.11 6.17	67.51 67.68	16.45 16.63	0.00	150.0 150.0	± 9.6 %
AAA	99pc duty cycle)	Y	6 4 4	67 45	16.20		150.0	
		Z	6.11	67.45	16.39		150.0 150.0	
10557		$\frac{z}{x}$	6.13	67.54	16.46	0.00	150.0	± 9.6 %
10557- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)		6.14	67.59	16.60	0.00		1 9.0 %
		Y	6.07	67.36	16.36	-	150.0	<b> </b>
		Z	6.09	67.45	16.44	<u> </u>	150.0	I

10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.20	67.79	16.72	0.00	150.0	± 9.6 %
		Y	6.13	67.55	16.47		150.0	
		Z	6.15	67.64	16.55	<u> </u>	150.0	- · ·
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.18	67.59	16.66	0.00	150.0	± 9.6 %
		Y	6.11	67.37	16.42		150.0	
		Z	6.14	67.46	16.49		150.0	
10561- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	6.10	67.58	16.69	0.00	150.0	± 9.6 %
······································		Y	6.04	67.35	16.45		150.0	
40500		Z	6.06	67.44	16.52		150.0	
10562- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.27	68.10	16.96	0.00	150.0	± 9.6 %
		Y	6.19	67.81	16.68		150.0	
10563-		Z	6.21	67.92	16.77		150.0	
AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.68	68.88	17.30	0.00	150.0	± 9.6 %
		Y	6.56	68.48	16.97		150.0	
40501		Z	6.59	68.61	17.07		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	5.02	67.23	16.76	0.46	150.0	± 9.6 %
		Y.	4.96	66.98	16.48		150.0	
10-0-		Z	4.98	67.08	16.57		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	5.26	67.67	17.06	0.46	150.0	± 9.6 %
		Y	5.20	67.43	16.79	·	150.0	
		Z	5.22	67.52	16.88		150.0	· · · ·
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	5.09	67.55	16.90	0.46	150.0	± 9.6 %
		Y	5.03	67.29	16.62		150.0	
		Z	5.05	67.39	16.71		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	5.11	67.86	17.20	0.46	150.0	± 9.6 %
		Y	5.05	67.64	16.94		150.0	
		Z	5.07	67.72	17.02		150.0	
10568- AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	5.02	67.38	16.73	0.46	150.0	±9.6 %
		Y	4.95	67.09	16.41		150.0	
		Z	4.98	67.21	16.52		150.0	
10569- AAA	IEEE 802.11g WiFt 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	5.05	67.90	17.23	0.46	150.0	± 9.6 %
		Y	5.00	67.70	16.99		150.0	
		Z	5.02	67.78	17.06		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	5.10	67.80	17.20	0.46	150.0	± 9.6 %
		Y	5.05	67.57	16.93		150.0	
		Z	5.07	67.66	17.02		150.0	········
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.35	66.69	17.17	0.46	130.0	± 9.6 %
		Y	1.30	65.45	16.06		130.0	·
		Z	1.31	65.81	16.41		130.0	·
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.38	67.41	17.59	0.46	130.0	± 9.6 %
		Y	1.32	66.05	16.42		130.0	
		Z	1.33	66.44	16.78	·	130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	100.00	151.66	41.18	0.46	130.0	± 9.6 %
		Y	3.17	90.18	24.53	<u> </u>	130.0	
		Z	5.56	100.47	28.08		130.0	
10574-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	X	1.74	75.66	21.49	0.46	130.0	± 9.6 %
AAA	Mbps, 90pc duty cycle)							
AAA	Mbps, 90pc duty cycle)	Y	1.50	72.10	19.33		130.0	

10575-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.81	67.07	16.85	0.46	130.0	± 9.6 %
AAA	OFDM, 6 Mbps, 90pc duty cycle)			07.07	10.00	0.10	100.0	10.0 %
		Y	4.77	66.83	16.57	·	130.0	
		Z	4.78	66.92	16.66		130.0	
10576- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X	4.84	67.21	16.90	0.46	130.0	± 9.6 %
		Y	4.79	66.98	16.63		130.0	
40533		Z	4.81	67.07	16.71		130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	5.05	67.51	17.07	0.46	130.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	5.00	67.28	16.80		130.0	
40570		Z	5.02	67.37	16.88	0.40	130.0	
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.95	67.65	17.15	0.46	130.0	± 9.6 %
		Y Z	<u>4.90</u> 4.91	67.43	16.89		130.0	
10579-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.91	67.51 67.10	16.97 16.58	0.46	130.0 130.0	1069
AAA	OFDM, 24 Mbps, 90pc duty cycle)					0.46		± 9.6 %
		Y	4.67	66.80	16.26		130.0	
10580-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z X	4.70 4.79	66.92 67.13	16.37 16.61	0.46	130.0 130.0	1069/
AAA	OFDM, 36 Mbps, 90pc duty cycle)					0.46		±9.6 %
		Y	4.72	66.82	16.27		130.0	
10581-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	4.74	66.95	16.39	0.40	130.0	10.00
AAA	OFDM, 48 Mbps, 90pc duty cycle)	X	4.85	67.72	17.11	0.46	130.0	± 9.6 %
		Y	4.80	67.49	16.84		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	Z X	4.81 4.69	67.57 66.92	16.92 16.42	0.46	130.0 130.0	± 9.6 %
^^^		Y	4.62	66.58	16.06		130.0	
		z	4.65	66.72	16.19		130.0	
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.81	67.07	16.85	0.46	130.0	± 9.6 %
		Y	4.77	66.83	16.57		130.0	
		z	4.78	66.92	16.66		130.0	
10584- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.84	67.21	16.90	0.46	130.0	± 9.6 %
		Y	4.79	66.98	16.63		130.0	
		Z	4.81	67.07	16.71		130.0	
10585- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	5.05	67.51	17.07	0.46	130.0	± 9.6 %
		Y	5.00	67.28	16.80		130.0	
		Z	5.02	67.37	16.88		130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.95	67.65	17.15	0.46	130.0	± 9.6 %
		Y	4.90	67.43	16.89		130.0	
		Z	4.91	67.51	16.97		130.0	
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.73	67.10	16.58	0.46	130.0	± 9.6 %
		Y	4.67	66.80	16.26		130.0	
		Z	4.70	66.92	16.37		130.0	
10588- AAA	IEEE 802.11a/h WIFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.79	67.13	16.61	0.46	130.0	± 9.6 %
		Y	4.72	66.82	16.27		130.0	
		Z	4.74	66.95	16.39		130.0	
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.85	67.72	17.11	0.46	130.0	± 9.6 %
		Y	4.80	67.49	16.84		130.0	1
		Z	4.81	67.57	16.92		130.0	
10590- AAA								
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.69	66.92	16.42	0.46	130.0	± 9.6 %
		X Y Z	4.69 4.62 4.65	66.92 66.58 66.72	16.42 16.06 16.19	0.46	130.0 130.0 130.0	± 9.6 %

10591- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.96	67.09	16.93	0.46	130.0	± 9.6 %
		Y	4.92	66.88	16.66	<u> </u>	130.0	<u>†                                    </u>
		Z	4.93	66.96	16.75		130.0	<u> </u>
10592- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	Х	5.13	67.44	17.05	0.46	130.0	± 9.6 %
		Y	5.08	67.22	16.79		130.0	
		Z	5.09	67.30	16.87		130.0	
10593- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.05	67.38	16.96	0.46	130.0	± 9.6 %
		<u> </u>	5.00	67.15	16.69		130.0	
10594-		Z	5.02	67.24	16.77		130.0	
AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	5.10	67.52	17.09	0.46	130.0	± 9.6 %
		Y	5.05	67.30	16.83		130.0	
10595-	IEEE 802.11n (HT Mixed, 20MHz,	Z	5.07	67.38	16.91	0.40	130.0	
AAA	MCS4, 90pc duty cycle)		5.08	67.50	17.01	0.46	130.0	± 9.6 %
		Y	5.02	67.26	16.73		130.0	
10596-	IEEE 002 11n (LIT Minor DOMUS-	Z	5.04	67.35	16.82		130.0	
AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	5.02	67.52	17.02	0.46	130.0	± 9.6 %
		Y	4.96	67.27	16.74		130.0	
10597-	IEEE 802.11n (HT Mixed, 20MHz,	Z	4.98	67.36	16.83		130.0	
AAA	MCS6, 90pc duty cycle)	X	4.97	67.44	16.92	0.46	130.0	± 9.6 %
		Y	4.91	67.18	16.63		130.0	
40500		Z	4.93	67.28	16.72		130.0	
10598- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.94	67.63	17.14	0.46	130.0	± 9.6 %
		Y	4.89	67.40	16.88		130.0	
10-00		Z	4.91	67.48	16.96		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.64	67.68	17.14	0.46	130.0	±9.6 %
		Y	5.59	67.47	<u>1</u> 6.88		130.0	
		Z	5.61	67.54	16.96		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.87	68.41	17.49	0.46	130.0	± 9.6 %
		Y	5.79	68.09	17.17		130.0	
		Z	5.81	68.18	17.26		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.71	67.98	17.28	0.46	130.0	± 9.6 %
		Y	5.65	67.72	17.00		130.0	
10000		Z	5.66	67.81	17.08		130.0	
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.79	67.98	17.21	0.46	130.0	± 9.6 %
		Y	5.73	67.73	16.93		130.0	
40000		Z	5.75	67.82	17.01		130.0	
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.87	68.25	17.46	0.46	130.0	± 9.6 %
		Y	5.81	68.01	17.19		130.0	
40004		Z	5.83	68.09	17.27		130.0	
10604- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.65	67.64	17.14	0.46	130.0	± 9.6 %
		Y	5.60	67.42	16.89		130.0	
40007		Z	5.61	67.50	16.96		130.0	
10605- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.80	68.11	17.39	0.46	130.0	± 9.6 %
		Y	5.73	67.85	17.10		130.0	· .
		Z	5.75	67.93	17.19		130.0	
10606- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.53	67.43	16.92	0.46	130.0	± 9.6 %
		Y	5.48	67.20	16.64		130.0	
-		Z	5.50	67.29	16.73		130.0	·

10607- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.80	66.40	16.54	0.46	130.0	± 9.6 %
		Y	4.75	66.17	16.27		130.0	
		Z	4.76	66.26	16.35		130.0	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	5.00	66.83	16.71	0.46	130.0	± 9.6 %
		Y	4.94	66.59	16.44		130.0	
		Z	4.96	66.68	16.52		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.89	66.71	16.57	0.46	130.0	± 9.6 %
		Y	4.83	66.45	16.28		130.0	
		Z	4.85	66.55	16.38		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.94	66.85	16.71	0.46	130.0	± 9.6 %
		Y	4.88	66.60	16.44		130.0	
40044		Z	4.90	66.69	16.53		130.0	
10611- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.86	66.68	16.58	0.46	130.0	± 9.6 %
		<u> </u>	4.80	66.42	16.30		130.0	
40040		Z	4.82	66.52	16.39		130.0	
10612- AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.88	66.87	16.65	0.46	130.0	± 9.6 %
		Y	4.82	66.59	16.35		130.0	
10642		Z	4.84	66.69	16.44	0.10	130.0	1000
10613- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.89	66.78	16.55	0.46	130.0	± 9.6 %
		Y	4.82	66.49	16.24		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	Z X	4.85 4.81	66.60 66.89	16.34 16.73	0.46	130.0 130.0	± 9.6 %
/ / / /		Y	4.75	66.64	16.45		130.0	
		Z	4.77	66.73	16.54		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.87	66.56	16.40	0.46	130.0	± 9.6 %
		Ι Y	4.81	66.27	16.09		130.0	
		Z	4.83	66.38	16.19		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.46	66.92	16.73	0.46	130.0	± 9.6 %
		Y	5.41	66.70	16.48		130.0	
		Z	5.43	66.79	16.56		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.54	67.11	16.80	0.46	130.0	± 9.6 %
		Y	5.48	66.88	16.54		130.0	
		Z	5.50	66.96	16.62		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.42	67.11	16.81	0.46	130.0	± 9.6 %
		Y	5.36	66.88	16.56	ļ	130.0	
		Z	5.38	66.97	16.63		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.45	66.98	16.69	0.46	130.0	± 9.6 %
	-	Y	5.39	66.74	16.43		130.0	
40000		<u>Z</u>	5.41	66.83	16.51	0.10	130.0	1000
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.55	67.03	16.77	0.46	130.0	±9.6 %
		Y	5.49	66.78	16.50	ļ	130.0	
40004		Z	5.51	66.88	16.58		130.0	10.0.01
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.51	67.03	16.86	0.46	130.0	± 9.6 %
		Y 7	5.46	66.84	16.63		130.0	l
40000		Z	5.48	66.91	16.70	0.40	130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.54	67.25	16.97	0.46	130.0	± 9.6 %
		Y	5.49	67.04	16.73		130.0	<u> </u>
		Z	5.50	67.11	16.80		130.0	L

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10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.41	66.79	16.63	0.46	130.0	± 9.6 %
		Y	5.36	66.56	16.37		130.0	
		Z	5.38	66.65	16.45	· · ·	130.0	ł
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	Х	5.62	67.00	16.79	0.46	130.0	±9.6 %
		Y	5.56	66.77	16.54		130.0	
1000-		Z	5.58	66.86	16.62		130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.10	68.33	17.51	0.46	130.0	± 9.6 %
		Y	6.00	67.98	17.19		130.0	
40000		Z	6.02	68.08	17.28		130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.74	66.93	16.65	0.46	130.0	± 9.6 %
		Y	5.69	66.74	16.43		130.0	
10007		Z	5.71	66.82	16.50		130.0	
10627- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	6.03	67.63	16.96	0.46	130.0	± 9.6 %
		Y	5.97	67.40	16.71		130.0	
40000		Z	5.98	67.48	16.79		130.0	
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.81	67.14	16.66	0.46	130.0	± 9.6 %
<u>.</u>		Y	5.75	66.90	16.41		130.0	
10000		Z	5.77	67.00	16.49		130.0	
10629- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.89	67.21	16.69	0.46	130.0	± 9.6 %
		Y	5.84	67.00	16.45		130.0	
		Z	5.85	67.08	16.52		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	Х	6.58	69.47	17.83	0.46	130.0	± 9.6 %
		Y	6.44	68.97	17.43		130.0	
		Z	6.47	69.10	17.53		130.0	
10631- AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.29	68.65	17.58	0.46	130.0	± 9.6 %
		Y	6.21	68.38	17.32		130.0	
		Z	6.23	68.46	17.39		130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.97	67.59	17.06	0.46	130.0	± 9.6 %
		Y	5.92	67.40	16.84		130.0	
		Z	5.93	67.46	16.90		130.0	
10633- 	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.86	67.25	16.74	0.46	130.0	±9.6 %
		Y	5.80	67.03	16.49		130.0	
		Z	5.82	67.11	16.57		130.0	
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.83	67.23	16.78	0.46	130.0	±9.6 %
		Y	5.78	67.04	16.55		130.0	
		Z	5.80	67.11	16.62		130.0	
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.74	66.71	16.29	0.46	130.0	± 9.6 %
		Y	5.68	66.44	16.01		130.0	
		Z	5.70	66.56	16.11		130.0	· · · · · · · · · · · · · · · · · · ·
10636- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.17	67.34	16.76	0.46	130.0	±9.6 %
		Y	6.11	67.15	16.53		130.0	
1000-		Z	6.13	67.22	16.60		130.0	
10637- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.35	67.79	16.97	0.46	130.0	± 9.6 %
		Y	6.29	67.57	16.73		130.0	
		Z	6.30	67.65	16.80		130.0	
10638- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.35	67.77	16.94	0.46	130.0	±9.6 %
		Y	6.29	67.54	16.69		130.0	
		Z	6.30	67.62	16.76		130.0	

#### ES3DV3- SN:3209

March 14, 2017

10639- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.32	67.69	16.93	0.46	130.0	±9.6 %
		Y	6.26	67.48	16.70		130.0	
		Z	6.28	67.56	16.77		130.0	
10640- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.35	67.80	16.94	0.46	130.0	±9.6 %
		Y	6.28	67.54	16.68		130.0	
		Z	6.30	67.64	16.76		130.0	
10641- AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.36	67.58	16.85	0.46	130.0	± 9.6 %
		Y	6.30	67.37	16.61		130.0	
·		Z	6.32	67.45	16.69		130.0	
10642- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.40	67.80	17.11	0.46	130.0	±9.6 %
		Y	6.34	67.61	16.89		130.0	· · · · · ·
		Z	6.36	67.68	16.96		130.0	
10643- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.25	67.58	16.92	0.46	130.0	± 9.6 %
		Y	6.19	67.34	16.66		130.0	
		Z	6.21	67.43	16.74		130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.47	68,26	17.28	0.46	130.0	±9.6 %
		Y	6.39	67.96	16.99		130.0	
		Z	6.42	68.06	17.08		130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	7.06	69.52	17.87	0.46	130.0	± 9.6 %
		Y	6.93	69.10	17.52		130.0	
		Z	6.96	69.22	17.62		130.0	
10646- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	100.00	148.85	48.77	9.30	60.0	±9.6 %
		Y	80.54	141.06	46.17		60.0	
		Z	100.00	148.08	48.38		60.0	
10647- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	100.00	150.12	49.32	9.30	60.0	± 9.6 %
		Y	73.97	140.10	46.12		60.0	
		Z	100.00	149.31	48.92		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.92	66.97	13.32	0.00	150.0	± 9.6 %
		Y	0.75	63.96	11.29		150.0	
		Z	0.80	64.80	11.93		150.0	1

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

#### Calibration Laboratory of

Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland Hac-MRA



SSchweizerischer KallbrierdienstCService suisse d'étalonnageSServizio svizzero di taraturaSwiss Calibration Service

Issued: April 18, 2017

Accreditation No.: SCS 0108

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PC Test Client

Certificate No: EX3-7406\_Apr17

CALIBRATION	CERTIFICATE		
Object	EX3DV4 - SN:7406	<b>)</b>	
Calibration procedure(s)		CAL-12.v9, QA CAL-23.v5, QA ure for dosimetric E-field probes	CAL-25.V6 BNN 5-3-2017
	· · · · · · · · · · · · · · · · · · ·		5-3-2017
Calibration date:	April 18, 2017		
		al standards, which realize the physical units obability are given on the following pages and a	
The measurements and the unc	enainties with confidence pro-	ability are given on the following pages and c	ne part of the continuate.
All calibrations have been condu	ucted in the closed laboratory f	facility: environment temperature (22 ± 3)°C a	nd humidity < 70%.
Calibration Equipment used (M8	TE critical for calibration)		
Primary Standards		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 Attenualor	SN: S5277 (20x)	07-Apr-17 (No. 217-02528)	Apr-18
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
Secondary Standards		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 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: Oct-17
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-16)	
	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	Milles -
Approved by:	Katja Pokovic	Technical Manager	10M

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

#### **Calibration Laboratory of** Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



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#### Glossarv:

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 $\phi$	φ rotation around probe axis
Polarization 9	$\vartheta$ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
	the second s

information used in DASY system to align probe sensor X to the robot coordinate system Connector Angle

#### 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, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close
- proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
- IEC 62209-2. "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices c) 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.v.z: Assessed for E-field polarization  $\vartheta = 0$  (f  $\leq 900$  MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx, y, z are only intermediate values, i.e., the uncertainties of NORMx, y, z does not affect the E<sup>2</sup>-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:7406

Manufactured: November 24, 2015 Calibrated: April 18, 2017 April 18, 2017

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

#### Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.47	0.42	0.45	± 10.1 %
DCP (mV) <sup>B</sup>	99.5	98.3	95.1	

#### **Modulation Calibration Parameters**

UID	Communication System Name		Α	В	C	D	VR	Unc <sup>E</sup>
			dB	dBõV		dB	mV	(k=2)
0	CW	X	0.0	0.0	1.0	0.00	138.9	±2.5 %
		Y	0.0	0.0	1.0		129.6	
		Z	0.0	0.0	1.0		128.2	

Note: For details on UID parameters see Appendix.

#### Sensor Model Parameters

	C1	C2	α	T1	T2	Т3	T4	T5	T6
	fF	fF	V <sup>−1</sup>	ms.V⁻²	ms.V⁻¹	ms	V <sup>-2</sup>	V-1	
Х	48.83	366.9	<b>3</b> 6.13	15.06	1.101	4.968	0.251	0.437	1.003
Y	19.57	145.7	35.6	3.888	0.704	4.934	0	0.021	1.004
Z	45.42	343.9	36.58	10.69	0.846	4.98	0	0.36	1.004

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%.

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

<sup>B</sup> Numerical linearization parameter: uncertainty not required.

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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)
600	42.7	0.88	10.42	10.42	10.42	0.10	1.20	± 13.3 %
750	41.9	0.89	10.26	10.26	10.26	0.52	0.80	± 12.0 %
835	41.5	0.90	9.97	9.97	9.97	0.53	0.81	± 12.0_%
1750	40.1	1.37	8.88	8.88	8.88	0.42	0.80	± 12.0 %
1900	40.0	1.40	8.40	8.40	8.40	0.26	0.87	± 12.0 %
2300	39.5	1.67	8.04	8.04	8.04	0.25	0.80	± 12.0 %
2450	39.2	1.80	7.68	7.68	7.68	0.38	0.80	± 12.0 %
2600	39.0	1.96	7.44	7.44	7.44	0.40	0.83	± 12.0 %

#### Calibration Parameter Determined in Head Tissue Simulating Media

<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

<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.

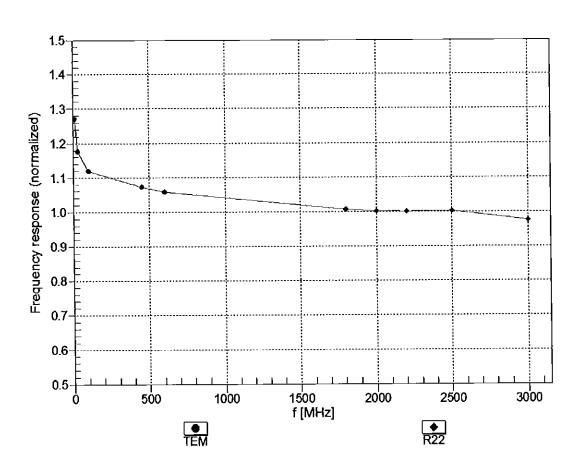
f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
600	56.1	0.95	10.82	10.82	10.82	0.10	1.20	± 13.3 %
750	55.5	0.96	9,90	9.90	9.90	0.51	0.83	± 12.0 %
835	55.2	0.97	9.77	9.77	9.77	0.46	0.80	± 12.0 %
1750	53.4	1.49	8.08	8.08	8.08	0.41	0.85	± 12.0 %
1900	53.3	1.52	7.81	7.81	7.81	0.44	0.80	± 12.0 %
2300	52.9	1.81	7.65	7.65	7.65	0.38	0.84	± 12.0 %
2450	52.7	1.95	7.60	7.60	7.60	0.33	0.89	± 12.0 %
2600	52.5	2.16	7.31	7.31	7.31	0.31	0.94	± 12.0 %

#### **Calibration Parameter Determined in Body Tissue Simulating Media**

<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

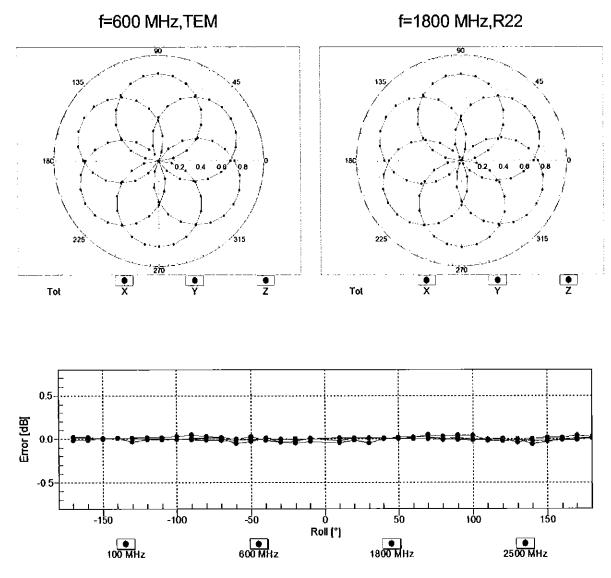
<sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted 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

<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  $\pm$  1% for frequencies below 3 GHz and below  $\pm$  2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



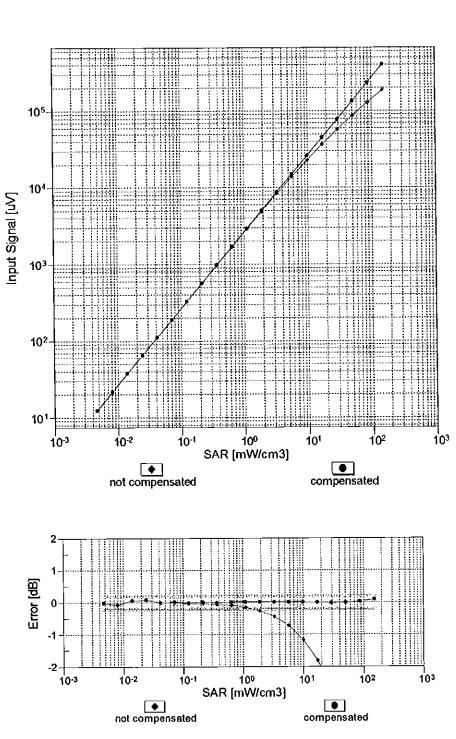
### Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



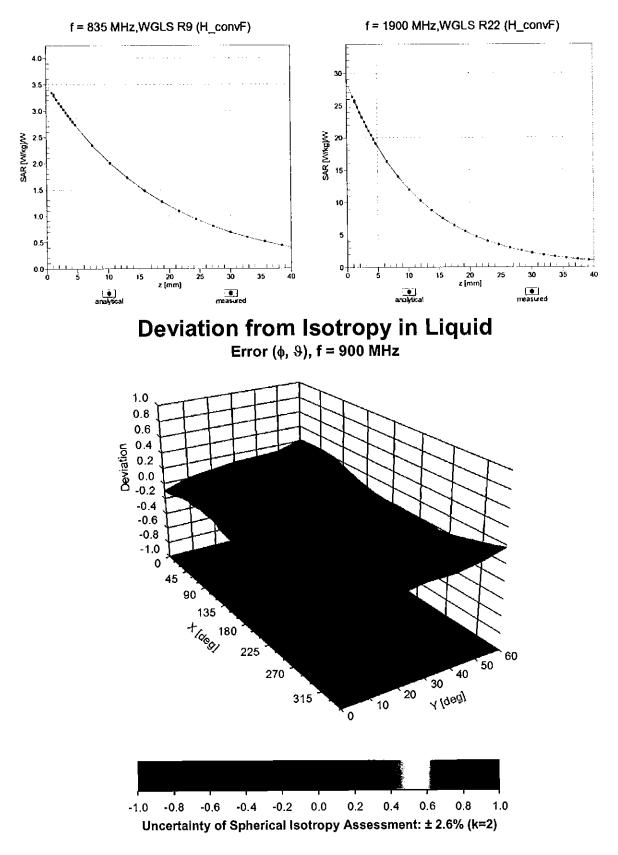
## Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

Uncertainty of Axial Isotropy Assessment: ± 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**

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	0
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

#### April 18, 2017

#### EX3DV4-SN:7406

#### **Appendix: Modulation Calibration Parameters**

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max Unc <sup>E</sup> (k=2)
0	CW	X	0.00	0.00	1.00	0.00	138.9	± 2.5 %
		Y	0.00	0.00	1.00		129.6	
		Z	0.00	0.00	1.00		128.2	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	X	2.73	66.22	10.89	10.00	20.0	± 9.6 %
		Y	2.50	65.91	10.39		20.0	
		Z	2.53	65.90	10.54		20.0	
10011- CAB	UMTS-FDD (WCDMA)	х	1.16	69.53	16.71	0.00	150.0	± 9.6 %
		Y	1.55	76.79	19.47		150.0	
10010		Z	1.09	68.24	15.96	0.44	150.0	
10012- CAB	IEEE 802.11b WIFi 2.4 GHz (DSSS, 1 Mbps)	X	1.21	64.38	15.70	0.41	150.0	±9.6 %
		Y	1.20	65.37	16.13		150.0	
40040		Z	1.18	63.82	15.33 16.98	1.46	150.0 150.0	± 9.6 %
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	X	4.87	66.56		1.40		±9.0 %
		Y	4.34	67.27	16.96		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	Z X	4,83 9.99	66.50 82.36	16.95 18.50	9.39	150.0 50.0	± 9.6 %
		Y	13.63	85.86	18.88		50.0	
		z	18.22	90.00	20.60		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	8.49	80.16	17.78	9.57	50.0	±9.6 %
		Y	7.32	78.16	16.31		50.0	
		Ζ	12.47	85.19	19.17		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	Х	18.19	89.55	19.31	6.56	60.0	±9.6 %
		Y	100.00	107.67	23.01		60.0	
		Z	100.00	108.36	23.76		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	Х	5.54	75.78	27.74	12.57	50.0	± 9.6 %
		Y	8.76	92.32	36.08		50.0	
		Z	4.44	70.37	25.26	0.50	50.0 60.0	1069/
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	9.90	90.96	31.21	9.56	60.0	± 9.6 %
		Y Z	5.70 7.85	81.99 86.95	30.11		60.0	
10027-	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	106.69	22.59	4.80	80.0	± 9.6 %
DAC		Y	100.00	110.45	23.34	<u> </u>	80.0	<u> </u>
	· · · · · · · · · · · · · · · ·	z	100.00	108.23	22.93		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	107.01	22.11	3.55	100.0	± 9.6 %
		Y	100.00	117.41	25.54	1	100.0	
		Z	100.00	109.42	22.79		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	6.41	81.80	26.70	7.80	80.0	± 9.6 %
		Y	3.86	73.74	24.21		80.0	
10030-	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Z X	5.17 13.75	78.18 86.21	25.56 17.68	5.30	80.0 70.0	± 9.6 %
CAA			0.11	00.70	45.00	—	70.0	
		Y	8.41	82.76	15.88		70.0	
10031-	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Z X	100.00 100.00	106.60 106.42	22.49 20.68	1.88	100.0	± 9.6 %
		Y	100.00	120.98	25.51	1	100.0	
		z	100.00	108.89	21.35	+	100.0	1

10032-	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	113.18	22.62	1.17	100.0	± 9.6 %
		<u> </u>	ļ					
<u> </u>		Y	100.00	160.14	39.75		100.0	
10033-	IEEE 802 15 1 Plustoath (Pl/4 DODCK	Z	100.00	117.70	24.05	l	100.0	
	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	6.02	81.27	20.17	5.30	70.0	± 9.6 %
		Y	2.18	67.67	12.00		70.0	
10034-		Z	5.24	80.63	20.08		70.0	
CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	2.82	75.11	17.10	1.88	100.0	± 9.6 %
	+	Y	0.75	61.82	7.32		100.0	
10035-	IEEE 802.15.1 Bluetooth (PI/4-DQPSK,	Z	2.29	73.13	16.28		100.0	
CAA	DH5)	X	2.17	73.18	16.32	1.17	100.0	± 9.6 %
		Y	0.59	61.24	6.75		100.0	
10036-	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Z	1.79	71.19	15.39		100.0	
CAA		X	7.12	83.90	21.15	5.30	70.0	± 9.6 %
	<u> </u>	Y	2.26	68.25	12.32		70.0	
10037-		Z	6.24	83.43	21.13		70.0	
CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	2.66	74.41	16.79	1.88	100.0	± 9.6 %
		<u>Y</u>	0.71	61.41	7.10		100.0	
10038-	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Z	2.15	72.41	15.96	l	100.0	
CAA		X	2.20	73.62	16.61	1.17	100.0	± 9.6 %
		<u>Y</u>	0.60	61.36	6.93		100.0	
10039-		Z	1.80	71.51	15.64		100.0	
CAB	CDMA2000 (1xRTT, RC1)	X	2.76	78.09	18.48	0.00	150.0	± 9.6 %
		Y	0.37	60.00	5.64		150.0	
40040		Ζ	2.22	74.97	16.93		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	X	7.43	78.80	16.12	7.78	50.0	± 9.6 %
		Y	8.26	80.71	16.15		50.0	
100(1		Z	12.01	84.59	17.75		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	100.49	0.10	0.00	150.0	± 9.6 %
		Y	0.04	60.00	50.13		150.0	
		Z	0.00	96.59	0.05		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	6.27	73.35	16.78	13.80	25.0	± 9.6 %
		Y	5.47	69.78	14.42		25.0	
40040		Z	7.09	74.59	16.89		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	6.62	76.07	16.59	10.79	40.0	± 9.6 %
	+	Y	5.50	73.13	14.63		40.0	
40050		Z	7.47	77.74	16.92		40.0	<u> </u>
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	8.73	81.97	20.70	9.03	50.0	± 9.6 %
		Y	5.30	74.02	15.71		50.0	<b>—</b> — –
40050		Z	9.70	84.35	21.49		50.0	
10058- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	4.93	77.02	24.10	6.55	100.0	±9.6 %
		Y	3.18	70.36	21.96		100.0	
40050		Z	4.10	73.99	23.08		100.0	·
10059- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	х	1.26	65.49	16.19	0.61	110.0	± 9.6 %
		Y	1.20	65.95	16.36		110.0	<u> </u>
40000		Z	1.20	64.67	15.74		110.0	
10060- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	13.21	104.87	27.26	1.30	110.0	± 9.6 %
		Y	4.90	96.93	26.57		110.0	<b>├───</b> ── <b> </b>
		Z	4.52	91.43	23.95		110.0	

10061-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	X	2.92	78.86	20.97	2.04	110.0	±9.6 %
CAB	Mbps)							
		Y	1.70	73.25	19.05		110.0	
10062-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6	<u>Z</u>	2.19	75.27	19.88	0.10	110.0	
CAB	Mbps)	X	4.70	66.68	16.55	0.49	100.0	± 9.6 %
		<u> </u>	4.18	67.42	16.56		100.0	
		_ Z ]	4.65	66.61	16.51		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.70	66.73	16.62	0.72	100.0	± 9.6 %
_		Y	4.18	67.49	16.63		100.0	
		Ζ	4.66	66.66	16.57		100.0	
10064- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.99	66.98	16.82	0.86	100.0	± 9.6 %
		Y	4.36	67.60	16.75		100.0	
		Z	4.94	66.90	16.78		100.0	
10065- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.85	66.84	16.87	1.21	100.0	±9.6 %
		Y	4.23	67.25	16.71		100.0	
		Z	4.80	66.75	16.83		100.0	
10066- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.86	66.83	16.99	1.46	100.0	± 9.6 %
		Y	4.21	67.08	16.71		100.0	
		Z	4.80	66.72	_ 16.95		100.0	
10067- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.14	66.93	17.36	2.04	100.0	±9.6 %
		Ý	4.40	67.10	16.99		100.0	
		Z	5.08	66.86	17.34		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.19	66.98	17.55	2.55	100.0	±9.6 %
		Υ	4.52	67.37	17.35		100.0	
		Z	5.12	66.84	17.50		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.27	66.95	17.72	2.67	100.0	±9.6 %
		Y	4.52	67.17	17.38	ĺ	100.0	
		Z	5.20	66.85	17.69		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.96	66.60	17.22	1.99	100.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	TT	4.44	67.29	17.20		100.0	
		Z	4.91	66.53	17.19		100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.94	66.90	17.40	2.30	100.0	± 9.6 %
		Υ	4.35	67.27	17.25		100.0	
		Z	4.87	66.79	17.36	l i	100.0	1
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.99	67.03	17.67	2.83	100.0	± 9.6 %
		Y	4.41	67.49	17.58		100.0	
		Z	4.92	66.90	17.63		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.97	66.91	17.78	3.30	100.0	± 9.6 %
		Y	4.49	67.70	17.84		100.0	
		Z	4.90	66.77	17.74		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.02	67.05	18.08	3.82	90.0	± 9.6 %
		Y	4.55	67.83	18.12		90.0	
		Z	4.94	66.85	18.01		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.03	66.84	18.17	4.15	90.0	± 9.6 %
		Y	4.61	67.72	18.28		90.0	
		Z	4.95	66.65	18.12		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.06	66.90	18.26	4.30	90.0	± 9.6 %
		Y	4.65	67.85	18.42		90.0	
		Ż	4.98	66.71	18.21		90.0	1

10081- CAB	CDMA2000 (1xRTT, RC3)	x	1.05	69.26	14.55	0.00	150.0	±9.6%
		Y	0.28	60.00	5.33		150.0	
		z	0.92	67.44	13.36	· · ·	150.0	<u> </u>
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	х	0.52	58.22	3.69	4.77	80.0	± 9.6 %
		Y	0.41	56.78	1.87		80.0	
		Z	0.54	57.53	2.88		80.0	
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	17.35	89.03	19.19	6.56	60.0	± 9.6 %
		Y	100.00	107.61	23.00		60.0	
40007		Z	100.00	108.37	23.77		60.0	
10097- CAB	UMTS-FDD (HSDPA)	X	1.96	68.94	16.57	0.00	150.0	±9.6 %
		Y	2.57	76.20	18.23		150.0	
10098-		Z	1.90	68.41	16.17	0.00	150.0	
CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1,92	68.91	16.54	0.00	150.0	± 9.6 %
		Y	2.54	76.26	18.30		150.0	
10099-		Z	1.86	68.36	16.14		150.0	
DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	9.94	91.01	31.21	9.56	60.0	± 9.6 %
		Y	5.73	82.09	28.86		60.0	
10100-		Z	7.90	87.03	30.13	0.0	60.0	
CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.32	71.40	17.37	0.00	150.0	± 9.6 %
		Y	2.95	71.83	18.07		150.0	
40404		Z	3.20	70.72	17.06		150.0	
10101- CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	x	3.33	67.99	16.32	0.00	150.0	± 9.6 %
		Y	3.00	68.42	16.63	_	<u>15</u> 0.0	
		Z	3.27	67.68			150.0	
10102- CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.43	67.94	16.40	0.00	150.0	± 9.6 %
		Y	3.10	68.46	16.71		150.0	
		z	3.37	67.66	16.24		150.0	
10103- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	6.02	73.90	19.30	3.98	65.0	±9.6 %
		Y	4.68	73.18	19.41		65.0	
		Z	5.62	73.49	19.33		65.0	
10104- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	6.42	73.34	19.91	3.98	65.0	± 9.6 %
		Y	4.72	70.79	18.81		65.0	
		Z	5.88	72.35	19.63		65.0	
10105- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	6.34	73.01	20.09	3.98	65.0	± 9.6 %
		Y	4.65	70.25	18.83		65.0	
		Z	<u>5.51</u>	70.92	19.28		65.0	
10108- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	×	2.90	70.63	17.22	0.00	150.0	± 9.6 %
		Ý	2.58	72.09	18.15		150.0	
		Z	2.79	69.99	16.90		150.0	
10109- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.99	67.94	16.29	0.00	150.0	± 9.6 %
		Y	2.69	69.27	16.60		150.0	
		Z	2.93	67.61	16.08		150.0	
10110- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	Х	2.37	69.82	16.91	0.00	150.0	± 9.6 %
		Y	2.17	72.66	17.66		150.0	
		Z	2.27	69.17	16.53		150.0	
10111- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	х	2.75	69.14	16.80	0.00	150.0	± 9.6 %
		Y	2.72	72.65	17.00		150.0	
		Z	2.68	68.77	16.52	İ	150.0	

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10112- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.11	67.90	16.33	0.00	150.0	±9.6 %
		Y	2.81	69.41	16.67		150.0	<u> </u>
10113- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	Z X	3.05 2.91	<u>67.61</u> 69.24	1 <u>6.14</u> 16.90	0.00	150.0 150.0	±9.6 %
		τ <sub>γ</sub> Ι	2.80	72.45	16.91		150.0	
		Z	2.83	68.91	16.64		150.0	
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.18	67.36	16.63	0.00	150.0	±9.6 %
		Y	4.69	67.54	16.80		150.0	
	· · · · · · · · · · · · · · · · · · ·	Z	5.15	67.30	16.59		150.0	
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.48	67.50	16.70	0.00	150.0	± 9.6 %
·		Y	4.94	67.76	16.85		150.0	
		Z	5.42	67.37	16.64		150.0	
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.28	67.57	16.65	0.00	150.0	±9.6 %
		Y T	4.76	67.79	16.84		150.0	
		Z	5.24	67.47	16.61		150.0	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.14	67.22	16.57	0.00	150.0	± 9.6 %
		Y	4.68	67.44	16.77		150.0	
		Z	5.11	67.13	16.53		150.0	
10118- CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)	X	5.56	67.71	16.81	0.00	150.0	± 9.6 %
0,10		Y	4.92	67.65	16.80		150.0	
-		Z	5.51	67.59	16.75		150.0	
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)	X	5.26	67.51	16.64	0.00	150.0	± 9.6 %
0,10		Y	4.75	67.71	16.81		150.0	
		Z	5.23	67.43	16.60		150.0	
10140- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.47	67.94	16.32	0.00	150.0	± 9.6 %
		Y	3.08	68.53	16.60		150.0	
		Z	3.41	67.65	16.15		150.0	
10141- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.59	68.02	16.48	0.00	150.0	± 9.6 %
		İΥ	3.23	68.87	16.85		150.0	
		Z	3.53	67.77	16.33		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.17	70.14	16.75	0.00	150.0	± 9.6 %
		Y	1.93	72.39	15.85		150.0	
		Z	2.06	69.38	16.26		150.0	· · · · · · · · · · · · · · · · · · ·
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.69	70.39	16.77	0.00	150.0	± 9.6 %
		Y	1.77	67.88	12.65		150.0	
		Z	2.58	69.83	16.31		150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.37	67.50	14.86	0.00	150.0	± 9.6 %
		Y	1.24	63.02	9.52		150.0	
		Z	2.27	66.99	14.42		150.0	
10145- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.43	67.32	13.24	0.00	150.0	± 9.6 %
		Y	0.41	60.00	4.04		150.0	
		Z	1.25	65.61	11.99		150.0	
10146- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	1.83	65.71	11.47	0.00	150.0	± 9.6 %
		Y	19.01	355.37	40.53		150.0	
		Z	1.52	64.01	10.27		150.0	
10147- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.14	67.65	12.55	0.00	150.0	± 9.6 %
		Y	123.11	63.95	2.67		150.0	
		Z	1.70	65.34	11.08		150.0	

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10149- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.00	68.01	16.34	0.00	150.0	± 9.6 %
		Y	2.71	69.38	16.67		150.0	·
		Z	2.94	67.68	16.14	t	150.0	-
10150- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.12	67.96	16.38	0.00	150.0	± 9.6 %
		Y	2.83	69.51	16.73		150.0	
40454			3.06	67.68	16.19		150.0	
10151- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	×	6.55	76.73	20.51	3.98	65.0	± 9.6 %
		Y	4.65	75.11	19.92		65.0	
10152-		Z	5.91	75.87	20.37		65.0	
CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	5.92	73.14	19.51	3.98	65.0	± 9.6 %
		Y	4.14	70.22	17.64		65.0	
10153-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	Z	5.38	72.11	19.20		65.0	
10153- CAC	64-QAM)	X	6.32	74.15	20.32	3.98	65.0	± 9.6 %
		Y	4.49	71.52	18.62		65.0	
10154-	LTE-FDD (SC-FDMA, 50% RB, 10 MHz,	Z X	5.75	73.14	20.03	- <u>-</u>	65.0	L
CAD	QPSK)	Y	2.44	70.37	17.23	0.00	150.0	± 9.6 %
			2.24	73.24	17.96		150.0	<u> </u>
10155-	LTE-FDD (SC-FDMA, 50% RB, 10 MHz,	Z X	2.32	69.67	16.83		150.0	
CAD	16-QAM)	Y	2.75	69.15	16.81	0.00	150.0	± 9.6 %
	<u> </u>	Z	2.68	72.83	17.10		150.0	
10156-	LTE-FDD (SC-FDMA, 50% RB, 5 MHz,	X	2.05	70.60	16.53	- 0.00	150.0	
CAD	QPSK)	Y	1.46			0.00	150.0	± 9.6 %
_		Z	1.92	69.42 69.63	13.50		150.0	<u> </u>
10157- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.25	69.63	<u>16.11</u> 15.12	0.00	<u>150.0</u> 150.0	± 9.6 %
		ΤΥ	0.93	61.53	7.91	_	150.0	
		Z	2.13	67.76	14.53		150.0	
10158- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.91	69.31	16.96	0.00	150.0	± 9.6 %
		ΓY	2.84	72.68	17.03		150.0	
		Z	2.84	68.99	16.70	_	150.0	
10159- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.39	69.07	15.47	0.00	150.0	± 9.6 %
		Y	0.94	61.44	7.84		150.0	
10400		Z	2.25	68.30	14.85	_	150.0	
10160- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.87	69.48	16.90	0.00	150.0	± 9.6 %
		<u> </u>	2.53	71.06	17.44		150.0	
10161-	LTE-FDD (SC-FDMA, 50% RB, 15 MHz,	Z	2.80	69.08	16.66		150.0	
CAC	16-QAM)	X	3.02	67.94	16.33	0.00	150.0	± 9.6 %
	<u>+</u>	Y	2.72	69.68	16.46		150.0	
10162-	LTE-FDD (SC-FDMA, 50% RB, 15 MHz,	Z	2.96	<u>67.65</u>	16.13		150.0	
CAC	64-QAM)	X	3.13	68.07	16.43	0.00	150.0	± 9.6 %
	<u> </u>		2.84	70.03	16.63	_	150.0	
10166- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Z X	<u>3.07</u> 3.48	67.8 <u>1</u> 69.00	<u>16.24</u> 18.84	3.01	150.0 150.0	± 9.6 %
		Y	2.37	66.02	18.17		150.0	<b>_</b>
		z	3.30	68.39	18.62		150.0	
10167- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	4.17	71.58	19.19	3.01	150.0 150.0	± 9.6 %
		Y	2.29	67.15	18.12		150.0	
		Ż	3.79	70.56	18.83		150.0	
			0.10	10.00	10.03		150.0	

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10168- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	4.66	74.00	20.63	3.01	150.0	± 9.6 %
· · P		Y	2.48	69.25	19.67		150.0	
		z	4.22	72.96	20.30		150.0	
10169- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.83	68.21	18.52	3.01	150.0	± 9.6 %
		Y	1.98	64.24	17.28		150.0	
		Z	2.57	66.84	17.97		150.0	
10170- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	3.78	73.87	20.84	3.01	150.0	±9.6 %
		Y	1.95	66.56	18.68		150.0	
		Z	3.16	71.49	20.02		150.0	-
10171- AAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.08	69.63	17.94	3.01	150.0	±9.6 %
		Y	1.72	64.21	_16.34		150.0	
		Z	2.64	67.80	17.26		150.0	
10172- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	5.42	80.62	23.60	6.02	65.0	±9.6 %
		Y	2.15	69.85	20.42		65.0	
		Z	4.45	78.76	23.36		65.0	
10173- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	8.97	86.28	23.79	6.02	65.0	± 9.6 %
		Y	2.26	72.00	19.72		65.0	
		Z	6.61	83.59	23.38		65.0	
10174- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	7.82	83.09	22.18	6.02	65.0	± 9.6 %
		Y	1.97	69.58	18.06		65.0	
		Z	5.22	78.89	21.15		65.0	
10175- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.79	67.90	18.26	3.01	150.0	±9.6 %
		Y	1.97	64.07	17.08		150.0	
		Z	2.54	66.56	17.72	_	150.0	
10176- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	3.78	73.89	20.85	3.01	150.0	± 9.6 %
		Y	1.95	66.57	18.69		150.0	
		Z	3.16	71.52	20.03		150.0	
10177- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.82	68.06	18.36	3.01	150.0	± 9.6 %
		Y	1.98	64.12	17.12		150.0	
		Z	2.56	66.70	17.81		150.0	
10178- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	3.74	73.65	20.71	3.01	150.0	± 9.6 %
		Y	1.95	66.53	18.65		150.0	
		Z	3.13	71.32	19.91		150.0	
10179- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	3.39	71.59	19.23	3.01	150.0	±9.6 %
		Y	1.82	65.39	17.45		150.0	
		Z	2.87	69.52	18.50		150.0	
10180- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	3.08	69.55	17.88	3.01	150.0	± 9.6 %
		Y	1.72	64.21	16.33		150.0	
		Z	2.64	67.75	17.21		150.0	
10181- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.81	68.04	18.35	3.01	150.0	± 9.6 %
		Y	1.97	64.11	17.12		150.0	<u> </u>
		Z	2.56	66.68	17.80	<u> </u>	150.0	
10182- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	3.73	73.62	20.70	3.01	150.0	±9.6 %
		Y	1.95	66.51	18.64		150.0	
		Z	3.13	71.29	19.90		150.0	L
10183- AAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.07	69.53	17.87	3.01	150.0	± 9.6 %
		Y	1.72	64.19	16.32		150.0	
		Z	2.64	67.72	17.20		150.0	

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10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.82	68.08	18.37	3.01	150.0	± 9.6 %
		Y	1.98	64.13	17.13		150.0	
		Z	2.56	66.72	17.83		150.0	
10185- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	3.75	73.70	20.74	3.01	150.0	± 9.6 %
		Y	1.96	66.56	18.67		150.0	
		Z	3.14	71.36	19.94		150.0	
10186- AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	3.09	69.60	17.91	3.01	150.0	± 9.6 %
		Y	1.73	64.23	16.35		150.0	
10187-		Z	2.65	67.78	17.23		150.0	
CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.83	68.13	18.43	3.01	150.0	± 9.6 %
		Y	1.99	64.22	17.23		150.0	
10188-		Z	2.57	66.77	17.89		150.0	
CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	3.88	74.41	21.15	3.01	150.0	± 9.6 %
		Y	1.98	66.86	18.93		150.0	
10189-		<u>Z</u>	3.23	71.97	20.32		150.0	
AAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.15	70.02	18.19	3.01	150.0	± 9.6 %
	+	Y	1.74	64.44	16.55		150.0	
10193-	IEEE 802.11n (HT Greenfield, 6.5 Mbps,	Z	2.70	68.15	17.50		150.0	
CAB	BPSK)	X	4.57	66.79	16.35	0.00	150.0	± 9.6 %
		Y	4.14	67.99	16.59		150.0	
10194-	IEEE 802.11n (HT Greenfield, 39 Mbps,	Z	4.54	66.72	16.28		150.0	
<u>CAB</u>	16-QAM)	X	4.75	67.11	16.47	0.00	150.0	±9.6 %
		Y	4.22	68.00	16.68		150.0	
10195-		Z	4.70	67.02	16.41		150.0	
CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.79	67.14	16.49	0.00	150.0	± 9.6 %
	<u>+                                    </u>	Y	4.23	67.92	16.65		150.0	
10196-		Z	4.74	67.05	16.43		150.0	
CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.58	66.86	16.37	0.00	150.0	± 9.6 %
		Y	4.11	67.92	16.54		150.0	
10197-		Z	4.54	66.78	<u>16.3</u> 0		150.0	
CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)	×	4.76	67.13	16.48	0.00	150.0	±9.6 %
		Y	4.23	68.00	16. <u>6</u> 9		150.0	
10100		Z	4.71	67.04	16.42		150.0	
10198- CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)	X	4.79	67.15	16.50	0.00	150.0	± 9.6 %
		Y	4.22	67.91	16.64		150.0	
10219-		Z	4.74	67.07	16.44		150.0	
CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.53	66.88	16.34	0.00	150.0	± 9.6 %
		Y	4.08	68.06	16.58		150.0	
10220-		Z	4.49	66.80	16.27		150.0	
CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	X	4.76	67.10	16.47	0.00	150.0	± 9.6 %
		Y	4.22	67.96	16.67	-	150.0	
10221-	IEEE 902 11p (IIT Mixed 70.0 Mixed 04	Z	4.71	67.01	16.41		150.0	
CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)	X	4.80	67.08	16.48	0.00	150.0	± 9.6 %
	<u> </u>	Y	4.25	67.92	16.65		150.0	
10222-	IFEE 802 11p /UT Minod 45 Minor	Z	4.75	67.00	16.42		150.0	
<u>CAB</u>	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.12	67.23	16.57	0.00	150.0	± 9.6 %
	<u>+</u>	Y	4.67	67.48	16.77		150.0	
		Ζ	5.09	<u>67.</u> 14	16.52		150.0	

10223-	IEEE 802.11n (HT Mixed, 90 Mbps, 16-	X	5.42	67.42	16.68	0.00	150.0	± 9.6 %
CAB	QAM)	Y	4.05	07.57	40.77		450.0	
	+		4.85	67.57	16.77		150.0	
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64- QAM)	Z X	<u>5.40</u> 5.17	67.40 67.35	16.67 16.56	0.00	<u>150.0</u> 150.0	± 9.6 %
		T	4.71	67.68	16.79		150.0	
		z	5.13	67.25	16.51		150.0	
10225- CAB	UMTS-FDD (HSPA+)	×	2.87	66.58	15.73	0.00	150.0	± 9.6 %
		Y	2.38	67.09	13.98		150.0	
		Z	2.82	66.38	15.50		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	9.50	87.34	24.24	6.02	65.0	± 9.6 %
		_ Y _	2.34	72.67	20.10		65.0	
		Z	6.98	84.60	23.83		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	8.72	84.77	22.80	6.02	65.0	± 9.6 %
		Y	2.21	71.55	18.95		65.0	
		Z	6.78	83.00	22.65		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	7.70	87.24	26.02	6.02	65.0	± 9.6 %
		Y	2.35	71.63	21.26		65.0	
		Z	5.43	82.72	24.92		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	9.03	86.38	23.83	6.02	65.0	± 9.6 %
		Y	2.27	72.06	19.75		65.0	
		Z	6.67	83.69	_23.42		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	8.29	83.90	22.43	6.02	65.0	± 9.6 %
		Y	2.13	70.90	18.60		65.0	
		Z	6.44	82.12	22.26		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	7.38	86.38	25.64	6.02	65.0	± 9.6 %
		Y	2.30	71.12	20.95		65.0	
		Z	5.24	81.97	24.56		65.0	
10232- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	9.02	86.36	23.83	6.02	65.0	± 9.6 %
		Y	2.27	72.05	19.75		65.0	
		Z	6.65	83.67	23.41		65.0	
10233- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	8.28	83.89	22.42	6.02	65.0	± 9.6 %
		Y	2.13	70.87	18.59		65.0	
		Z	6.43	82.09	22.25		65.0	
10234- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	7.10	85.54	25.23	6.02	65.0	± 9.6 %
		Y	2.26	70.79	20.68		65.0	
		Z	5.08	81.30	24.19		65.0	
10235- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	9.02	86.38	23.84	6.02	65.0	± 9.6 %
		Y	2.27	72.05	19.76		65.0	ļ
		Z	6.65	83.69	23.42		65.0	
10236- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	8.34	83.99	22.45	6.02	65.0	± 9.6 %
		Y	2.15	70.97	18.63		65.0	ļ
		Z	6.48	82.21	22.28		65.0	 
10237- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	7.38	86.43	25.66	6.02	65.0	± 9.6 %
		Y	2.30	71.11	20.95		65.0	L
		Z	5.24	82.00	24.57		65.0	
10238- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	9.00	86.33	23.82	6.02	65.0	± 9.6 %
		Y	2.26	72.03	19.74		65.0	
		Z	6.63	83.64	23.40		65.0	

10239- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	8.25	83.86	22.41	6.02	65.0	± 9.6 %
		Y	2.13	70.85	18.59		65.0	1
		Ż	6.41	82.06	22.24		65.0	
10240- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	7.36	86.38	25.64	6.02	65.0	± 9.6 %
		Y	2.30	71.11	20.95		65.0	
	·	Ζ	5.22	81.96	24.56		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	×	7.65	78.90	23.86	6.98	65.0	± 9.6 %
		Y	4.15	74.63	23.03		65.0	
		Z	6.65	77.23	23.41		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	х	7.40	78.25	23.51	6.98	65.0	± 9.6 %
		Y	3.84	73.21	22.33		65.0	
		Z	6.07	75.38	22.52		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	6.13	75.50	23.22	6.98	65.0	± 9.6 %
·		Y	3.68	71.24	22.18		65.0	
		Z	5.17	72.72	22.17		65.0	
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	×	4.96	71.78	16.23	3.98	65.0	± 9.6 %
		Y	1.47	60.59	6.86		65.0	
1001		Z	4.27	70.57	15.63		65.0	
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	×	4.90	71.39	16.01	3.98	65.0	± 9.6 %
		Y	1.47	60.48	6.73		65.0	
		Z	4.22	70.14	15.39		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	×	4.94	75.03	17.94	3.98	65.0	± 9.6 %
·		Y	1.46	62.04	8.51		65.0	
		Z	4.23	73.72	17.40		65.0	
10247- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	4.94	72.43	17.57	3.98	65.0	± 9.6 %
		Y	2.10	63.24	9.90		65.0	
		Z	4.38	71.34	17.07		65.0	
10248- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	4.96	72.03	17.39	3.98	65.0	± 9.6 %
		Y	2.10	62.93	9.72		65.0	
		Z	4.40	70.92	16.87		65.0	
10249- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	6.07	78.35	20.13	3.98	65.0	± 9.6 %
		Y	2.33	67.19	12.94		65.0	
		Z	5.28	77.21	19.80		65.0	
10250- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	5.95	75.24	20.37	3.98	65.0	±9.6%
		Y	3.82	70.93	16.95		65.0	
		Z	5.33	74.14	20.02		65.0	
10251- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	×	5.69	73.28	19.20	3.98	65.0	± 9.6 %
		Y	3.45	68.36	15.25		65.0	
		Z	5.13	72.25	18.83		65.0	
10252- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	×	6.58	78.88	21.28	3.98	65.0	± 9.6 %
		Y	4.11	75.12	18.99		65.0	
		Z	5.80	77.80	21.07		65.0	
10253- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	×	5.80	72.65	19.29	3.98	65.0	± 9.6 %
		Y	4.01	69.64	16.98		65.0	•
		Z	5.29	71.67	18.98		65.0	
10254- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	6.17	73.58	20.02	3.98	65.0	± 9.6 %
		Y	4.31	70.68	17.76		65.0	1
		Z	5.63	72.60	19.71		65.0	1

10255-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	X	6.29	76.23	20.52	3.98	65.0	± 9.6 %
CAC	QPSK)	Y	- 4 44	74.07	40.40			
			4.41	74.27	19.43		65.0	
10256-	LTE-TDD (SC-FDMA, 100% RB, 1.4	Z	5.67	75.30	20.34		65.0	
CAA	MHz, 16-QAM)	X	3.88	68.28	13.63	3.98	65.0	± 9.6 %
		Y	1.05	58.86	4.54		65.0	
40057		Z	3.28	66.95	12.85		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.85	67.85	13.35	3.98	65.0	±9.6 %
		Y	1.05	58.75	4.36		65.0	
40050		Z	3.25	66.51	12.54		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	3.78	70.85	15.35	3.98	65.0	± 9.6 %
		Y	1.11	60.00	5.99		65.0	
		Z	3.18	69.35	14.58		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	5.33	73.49	18.59	3.98	65.0	± 9.6 %
		Y	2.60	65.55	12,14		65.0	
		Z	4.76	72.43	18.16		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	5.38	73.29	18.52	3.98	65.0	±9.6 %
		Y	2.62	65.36	12.01		65.0	
		Z	4.80	72.23	18.08		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	6.02	77.89	20.37	3.98	65.0	± 9.6 %
		Y	2.87	69.70	14.96		65.0	
		Z	5.26	76.76	20.06		65.0	
10262- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	5.94	75.19	20.32	3.98	65.0	± 9.6 %
		Y	3.80	70.83	16.88		65.0	
		Ż	5.32	74.09	19.98		65.0	
10263- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	5.68	73.26	19.19	3.98	65.0	± 9.6 %
0/10		Y	3.45	68.35	15.24		65.0	
		z	5.12	72.23	18.82		65.0	
10264- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	6.52	78.70	21.19	3.98	65.0	± 9.6 %
		Ι γ Ι	4.06	74.89	18.86		65.0	
		Ż	5.75	77.62	20.97		65.0	
10265- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	5.92	73.14	19.52	3.98	65.0	± 9.6 %
0/10		Y	4.14	70.23	17.64		65.0	
		Z	5.38	72.12	19.20		65.0	
10266- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	6.31	74.13	20.31	3.98	65.0	± 9.6 %
		Y	4.49	71.50	18.60	-	65.0	
	1	Ż	5.75	73.12	20.02	ĺ	65.0	
10267- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	6.54	76.70	20.49	3.98	65.0	±9.6 %
		Y	4.64	75.05	19.89		65.0	
		Ż	5.90	75.83	20.35		65.0	1
10268- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	6.58	73,24	19.99	3.98	65.0	± 9.6 %
		Y	4.89	71.06	18.92		65.0	
40000		Z	6.05	72.29	19.72	0.00	65.0	1000
10269- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	6.56	72.88	19.90	3.98	65.0	± 9.6 %
		Y	4.96	70.94	18.86		65.0	
		Z	6.05	71.95	19.63		65.0	
10270- CAC	LTE-TDD (SC-FDMA, 100% RB, 15	X	6.52	74.64	19.85	3.98	65.0	± 9.6 %
	MHz, QPSK)	1 1		1				
		Y	4.97 5.98	73.67	19.72		65.0	

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.66	67.03	15.70	0.00	150.0	± 9.6 %
-		Y	2.34	68.55	14.63		150.0	
		z	2.62	66.83	15.48		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.75	69.41	16.56	0.00	150.0	± 9.6 %
		Y	2.02	74.91	18.12		150.0	
		Ζ	1.67	68.59	16.06		150.0	
10277- CAA	PHS (QPSK)	X	2.57	62.13	7.82	9.03	50.0	± 9.6 %
		Y	1.60	59.68	4.94		50.0	
		Z	2.26	61.44	7.11		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	4.26	69.41	14.02	9.03	50.0	± 9.6 %
		Y	2.29	61.84	7.55		50.0	
		Ζ	3.87	68.64	13.41		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	4.37	69.66	14.18	9.03	50.0	± 9.6 %
		Y	2.31	61.88	7.61		_50.0	
		Z	3.97	68.90	13.58		<u>5</u> 0.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	X	1.85	72.31	15.88	0.00	150.0	± 9.6 %
		Y	0.36	60.00	5.29		150.0	
		Z	1.58	70.17	14.63		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	Х	1.02	68.88	14.36	0.00	150.0	± 9.6 %
		Y	0.28	60.00	5.31		150.0	
		Ζ	0.90	67.15	13.20		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	1.80	77.95	18.61	0.00	150.0	± 9.6 %
		. Y	0.38	62.69	7.21		150.0	
		Z	1.39	74.03	16.69		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	5.83	95.82	25.10	0.00	150.0	± 9.6 %
		Y	100.00	107.50	20.43		150.0	
		Z	3.54	87.74	22.15		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	7.34	78.85	20.80	9.03	50.0	± 9.6 %
		Y	17.07	85.10	19.02		50.0	
		Z	7.80	80.40	21.29		50.0	
10297- AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.92	70.76	17.30	0.00	150.0	± 9.6 %
		Ý	2.60	72.27	18.25		150.0	
		Z	2.80	70.10	16.98		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.81	69.98	15.49	0.00	150.0	± 9.6 %
	·	Y	0.52	60.00	6.04		150.0	
		Z	1.63	68.52	14.51		150.0	
10299- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	2.47	68.97	14.03	0.00	150.0	± 9.6 %
		Y	0.58	60.00	4.73		150.0	
		Z	2.10	67.38	13.05		150.0	
10300- 	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.87	64.64	11.20	0.00	150.0	± 9.6 %
		Y	0.56	60.00	_ 4.04 _		150.0	
		Z	1.64	63.62	10.41		150.0	
10301- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.64	64.99	17.32	4.17	50.0	± 9.6 %
		Y	3.97	66.09	16.87		50.0	
		Z	4.63	65.19	17.38		50.0	
10302- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	5.19	65.93	18.20	4.96	50.0	± 9.6 %
		Y	4.41	66.55	17.60		50.0	
		Z	5.08	65.68	18.02	1	50.0	1 ·

10303- AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	4.95	65.59	18.05	4.96	50.0	± 9.6 %
		T Y	4.26	66.62	17.49		50.0	
		Ż	4.83	65.30	17.84		50.0	
10304- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.75	65.47	17.56	4.17	50.0	± 9.6 %
		Y	4.05	66.34	16.93		50.0	
		Z	4.65	65.23	17.38		50.0	
10305- AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.49	67.73	19.78	6.02	35.0	± 9.6 %
		Y	3.71	67.28	16.67		35.0	
		Z	4.28	66.94	19.23		35.0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.75	66.48	19.22	6.02	35.0	± 9.6 %
		Y	4.04	67.06	17.49		35.0	
40007		Z	4.60	65.99	18.86		35.0	
10307- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.67	66.74	19.24	6.02	35.0	±9.6 %
		<u>Y</u>	3.93	66.99	17.33		35.0	
10000		Z	4.50	66.15	18.83		35.0	<u> </u>
10308- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.65	66.96	19.39	6.02	35.0	± 9.6 %
	·	Y	3.96	67.42	17.62		35.0	
10309-		Z	4.47	66.34	18.96	0.00	35.0	
10309- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.80	66.69	19.36	6.02	35.0	± 9.6 %
		Y	4.07	67.23	17.68		35.0	
40040		Z	4.64	66.17	18.98		35.0	
10310- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.70	66.58	19.22	6.02	35.0	± 9.6 %
		<u>Y</u>	4.03	67.27	17.61		35.0	
40044		Z	4.55	66.06	18.84		35.0	
10311- AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.29	69.98	16.90	0.00	150.0	± 9.6 %
		Y	2.90	70.63	17.62		150.0	
10010		Z	3.17	69.35	16.60		150.0	
10313- AAA	iDEN 1:3	X	3.28	70.39	14.65	6.99	70.0	± 9.6 %
	·	Y	2.53	71.17	15.80		70.0	
40044		Z	2.85	70.12	14.78	40.00	70.0	
10314- AAA	iDEN 1:6	X	4.28	75.46	19.37	10.00	30.0	± 9.6 %
	· · · ·	Y	4.79	80.62	22.06		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	Z X	4.09 1.12	76.26 64.41	<u>19.99</u> 15.77	0.17	30.0 150.0	± 9.6 %
1770	Mbps, 96pc duty cycle)	Y	1.15	65.92	16.47		150.0	
		Z	1.10	63.89	15.39		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.61	66.72	16.37	0.17	150.0	± 9.6 %
		Y	4.09	67.47	16.39		150.0	
		z	4.56	66.65	16.32		150.0	
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.61	66.72	16.37	0.17	150.0	± 9.6 %
		Y	4.09	67.47	16.39		150.0	
		Z	4.56	66.65	16.32		150.0	
10400- AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.74	67.15	16.46	0.00	150.0	± 9.6 %
		Y	4.09	67.65	16.48		150.0	
		Z	4.69	67.06	16.40		150.0	
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.44	67.31	16.60	0.00	150.0	± 9.6 %
		Y	4.84	67.31	16.60		150.0	-

10402-	IEEE 802.11ac WIFi (80MHz, 64-QAM,	X	5.69	67.61	16.60	0.00	150.0	± 9.6 %
AAC	99pc duty cycle)	+					ļ	<u> </u>
		Ϋ́	5.24	67.76	16.80		150.0	
10403-		Z	5.65	67.50	16.56		150.0	
AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.85	72.31	15.88	0.00	115.0	± 9.6 %
		Y	0.36	60.00	5.29		115.0	
		Z	1.58	70.17	14.63		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.85	72.31	15.88	0.00	115.0	± 9.6 %
		Y	0.36	60.00	5.29		115.0	
		Z	1.58	70.17	14.63		115.0	
10406- AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	53.12	115.17	29.24	0.00	100.0	± 9.6 %
		Y	100.00	124.65	27.76		100.0	
		Z	28.83	109.13	27.97		100.0	
10410- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.68	83.50	19.17	3.23	80.0	± 9.6 %
		Y	1.37	73.33	16.57		80.0	
		Z	5.13	82.70	19.33		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.04	63.68	15.36	0.00	150.0	± 9.6 %
		Y	1.11	65.66	16.32		150.0	
		Z	1.04	63.32	15.03		150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	X	4.58	66.83	16.42	0.00	150.0	± 9.6 %
		Y	4.11	67.78	16.58		150.0	
		Z	4.54	66.76	16.35		150.0	
10417- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.58	66.83	16.42	0.00	150.0	± 9.6 %
		Y	4.11	67.78	16.58		150.0	·
		Z	4.54	66.76	16.35		150.0	
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.57	67.00	16.44	0.00	150.0	± 9.6 %
		Y	4.09	68.01	16.69		150.0	
		Z	4.53	66.93	16.39		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.59	66.94	16.44	0.00	150.0	± 9.6 %
		Y	4.11	67.93	16.65		150.0	
		Z	4.55	66.87	16.38	_	150.0	
10422- AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.71	66.93	16.45	0.00	150.0	± 9.6 %
		Y	4.19	67.82	16.64		150.0	
		Z	4.66	66.86	16.39		150.0	
10423- AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	Х	4.87	67.25	16.56	0.00	150.0	± 9.6 %
		Y	4.27	68.04	16.70	_	150.0	
		Z	4.82	67.16	16.50		150.0	
10424- AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.79	67.20	16.54	0.00	150.0	± 9.6 %
		Y	4.21	67.94	16.67		150.0	
		Z	4.74	67.12	16.47		150.0	· · · · ·
10425- AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.39	67.48	16.69	0.00	150.0	± 9.6 %
		Y	4.86	67.72	16.85		150.0	
		Z	5.35	67.38	16.64		150.0	
10426-	IEEE 802.11n (HT Greenfield, 90 Mbps,	X	5.40	67.51	16.70	0.00	150.0	±9.6 %
AAA	16-QAM)						1	
	16-QAM)	Y	4.89	67.85	16.91		150.0	

10427- AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.41	67.49	16.68	0.00	150.0	± 9.6 %
		Y	4.87	67.71	16.83		150.0	
		Ż	5.37	67.41	16.64		150.0	
10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.48	71.93	18.89	0.00	150.0	± 9.6 %
		Y	5.16	77.88	19.19		150.0	
		Z	4.43	71.96	18.79		150.0	
10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.27	67.46	16.46	0.00	150.0	± 9.6 %
		Y	3.63	68.54	16.11		150.0	
		Z	4.21	67.36	16.35		150.0	
10432- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.56	67.28	16.50	0.00	150.0	± 9.6 %
		Υ	3.98	68.25	16.55		150.0	
40.400		Z	4.51	67.19	16.43		150.0	
10433- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.81	67.24	16.56	0.00	150.0	± 9.6 %
		Y	4.24	68.00	16.70		150.0	
10434-		Z	4.76	67.15	16.49	0.00	150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.67	73.09	18.99	0.00	150.0	± 9.6 %
·	·	Y	4.20	74.62	16.81		150.0	
10435-		Z	4.61	73.09	18.84	0.00	150.0	10.00
AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.37	82.80	18.90	3.23	80.0	± 9.6 %
		Y	1.33	72.76	16.26		80.0	
40447		Z	4.91	82.00	19.05		80.0	
10447- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.58	67.63	15.88	0.00	150.0	± 9.6 %
		Y	2.52	66.35	12.95		150.0	
		Z	3.50	67.43	15.64		150.0	
10448- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.11	67.25	16.33	0.00	150.0	± 9.6 %
		Y	3.54	68.41	16.05		150.0	
40440		Z	4.05	67.14	16.22		150.0	
10449- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.38	67.12	16.41	0.00	150.0	±9.6 %
		Y	3.87	68.13	16.50		150.0	
40450		Z	4.33	67.03	16.33		150.0	
10450- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X Y	4.57	67.02	16.42 16.59	0.00	150.0	± 9.6 %
				66.93	16.35		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	Z X	4.53 3.49	67.88	15.53	0.00	150.0	± 9.6 %
		Y	2.00	64.08	10.79		150.0	
		Z	3.38	67.58	15.21		150.0	
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.26	68.00	16.81	0.00	150.0	± 9.6 %
		Y	6.16	68.95	17.43		150.0	
		Z	6.24	67.94	16.79		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.82	65.46	16.13	0.00	150.0	± 9.6 %
		Y	3.61	66.92	16.42		150.0	
		Z	3.81	65.40	16.06		150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.29	67.12	14.89	0.00	150.0	± 9.6 %
		Y	1.44	60.53	7.42		150.0	
		Z	3.18	66.78	14.49		150.0	
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.43	65.51	15.86	0.00	150.0	±9.6 %
		Y	2.62	61.35	10.29		150.0	
		Z	4.37	65.53	15.72		150.0	

10460-	UMTS-FDD (WCDMA, AMR)	X	1.04	71.02	17.96	0.00	150.0	± 9.6 %
		Y	1.96	84.00	22.92		150.0	
10461-	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz,	Z X	0.97 3.48	69.34 77.15	<u>16.98</u> 17.91	3.29	150.0 80.0	± 9.6 %
AAA	QPSK, UL Subframe=2,3,4,7,8,9)		0.40	11.10	17.31	5.25	00.0	19.0 %
		Y	0.97	69.25	15.91		80.0	
		Ζ	2.58	75.48	17.77		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	1.03	60.33	8.14	3.23	80.0	± 9.6 %
		Y	0.21	55.42	3.53		80.0	
		Ż	0.84	60.00	7.93		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	1.01	60.00	7.51	3.23	80.0	± 9.6 %
		Y	28.36	203.22	3.05		80.0	
		Z	0.86	60.00	7.39		80.0	
10464- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.64	73.32	15.98	3.23	80.0	± 9.6 %
		Y	0.75	66.12	13.77		80.0	
		Ζ	2.03	72.11	15.91		80.0	
10465- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	х	0.99	60.00	7.91	3.23	80.0	± 9.6 %
		Y	29.96	194.97	5.15		80.0	
10100		_Z	0.84	60.00	7.86		80.0	
10466- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	×	1.01	60.00	7.46	3.23	80.0	± 9.6 %
		Y	30.98	196.96	1.83		80.0	
10467		Z	0.86	60.00	7.34	0.00	80.0	
10467- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.77	73.96	16.25	3.23	80.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	0.77	66.65	14.10		80.0	
10468-		Z X	2.12	72.73	16.19	0.00	80.0	
AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)		0.99	60.08	7.96	3.23	80.0	±9.6 %
		Y	0.21	55.39	3.50		80.0	
10469-	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-	Z X	0.84	60.00 60.00	7.88 7.46	2.00	80.0	
AAB	QAM, UL Subframe=2,3,4,7,8,9)					3.23	80.0	± 9.6 %
		Y	30.66	197.41	1.31		80.0	
10470		Z	0.86	60.00	7.34	0.00	80.0	
10470- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.76	73.94	16.23	3.23	80.0	± 9.6 %
	- <u> </u>	Y	0.77	66.67	14.10		80.0	
10471- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	2,11 0.99	72.72 60.05	<u>16.18</u> 7.93	3.23	80.0 80.0	± 9.6 %
	Gravi, OL GUDITATTE-2,3,4,7,0,7)	Y	29.34	196.18	6.49		80.0	·
	· · · · · · · · · · · · · · · · · · ·	Z	0.84	60.00	7.87	<u> </u>	80.0	
10472- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	x	1.01	60.00	7.45	3.23	80.0	± 9.6 %
		Y	30.49	197.73	1.27		80.0	
		Z	0.86	60.00	7.33		80.0	
10473- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.76	73.90	16.22	3.23	80.0	± 9.6 %
		Y	0.77	66.63	14.08		80.0	
10.17		Z	2.11	72.69	16.16		80.0	
10474- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.99	60.03	7.93	3.23	80.0	± 9.6 %
		Y	29.25	196.25	6.42		80.0	
10475		Z	0.84	60.00	7.87	0.00	80.0	
10475- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	×	1.01	60.00	7.45	3.23	80.0	± 9.6 %
		Y	30.47	197.62	1.42		80.0	
		Z	0.86	60.00	7.33		80.0	

10477- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.98	60.00	7.89	3.23	80.0	± 9.6 %
		Y	29.49	195.72	5.56		80.0	
		Z	0.84	60.00	7.84		80.0	
10478- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.01	60.00	7.44	3.23	80.0	± 9.6 %
		Y	30.62	197.39	1.80		80.0	
		Z	0.86	60.00	7.32		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	3.88	74.90	18.39	3.23	80.0	± 9.6 %
		Y	2.49	77.92	19.26		80.0	
10100		Z	3.49	74.59	18.40		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	69.78	14.78	3.23	80.0	± 9.6 %
		Y	0.68	60.27	8.31		80.0	- · · ·
40404		Z	2.92	69.11	14.47		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.92	67.65	13.55	3.23	80.0	± 9.6 %
		Y	0.66	60.00	7.51		80.0	
40400		Z	2.50	66.84	13.14	0.00	80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.52	68.86	15.13	2.23	80.0	± 9.6 %
		Y_	0.83	60.00	6.91		80.0	
10483-		Z	2.14	67.39	14.41		80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.86	67.07	13.71	2,23	80.0	± 9.6 %
		Y	1.05	60.00	5.62		80.0	
10404		Z	2.44	65.81	13.01	0.00	80.0	
10484- 	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.80	66.60	13.51	2.23	80.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	1.07	60.00	5.60		80.0	
10108		Z	2.40	65.34	12.79		80.0	
10485- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.96	70.85	16.91	2.23	80.0	± 9.6 %
		Y	1.17	62.58	10.56		80.0	
		Z	2.58	69.54	16.39		80.0	
10486- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.96	67.72	15.13	2.23	80.0	± 9.6 %
		Y.	1.13	60.00	7.87		80.0	
		Z	2.66	66.76	14.61		80.0	
10487- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.97	67.43	14.99	2.23	80.0	± 9.6 %
		Y	1.16	60.00	7.81		80.0	
10488-	LTE-TDD (SC-FDMA, 50% RB, 10 MHz,	Z X	2.67 3.38	66.49 70.90	14.47 17.67	2.23	80.0 80.0	± 9.6 %
AAB	QPSK, UL Subframe=2,3,4,7,8,9)	<u> </u>				ļ		
		Y	2.25	69.00	16.17		80.0	ļ
		Z	3.02	69.76	17.29		80.0	
10489- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.39	68.12	16.57	2.23	80.0	± 9.6 %
		Y	2.32	66.16	14.18	ļ	80.0	ļ
		Z	3.13	67.37	16.26	-	80.0	
10490- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.49	68.02	16.54	2.23	80.0	± 9.6 %
	1	Y	2.33	65.79	13.96		80.0	
		Z	3.23	67.30	16.25		80.0	
10491- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.68	69.90	17.42	2.23	80.0	± 9.6 %
		Y	2.62	68.57	16.67		80.0	· ·
		Z	3.36	68.97	17.13	<u> </u>	80.0	
10492- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	3.77	67.68	16.72	2.23	80.0	± 9.6 %
		Y	2.84	66.78	15.53		80.0	
		Z	3.53	67.02	16.47		80.0	

10493- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.84	67.59	16.70	2.23	80.0	±9.6 %
		Y	2.87	66.60	15.40		80.0	
		Z	3.60	66.95	16.45		80.0	
10494- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.93	71.14	17.78	2.23	80.0	± 9.6 %
		Y	2.77	69.47	17.23		80.0	
		Z	3.56	70.11	17.48		80.0	
10495- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.80	68.03	16.89	2.23	80.0	± 9.6 %
		Y	2.91	67.12	16.06		80.0	
		Z	3.55	67.32	16.64		80.0	
10496- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.89	67.83	16.85	2.23	80.0	± 9.6 %
		Y	2.99	66.99	16.00		80.0	
		Z	3.64	67.16	16.61		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.81	64.83	12.37	2.23	80.0	± 9.6 %
		Y	0.97	60.00	4.80		80.0	
		Z	1.52	63.38	11.47		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.56	60.98	9.46	2.23	80.0	± 9.6 %
		Y	19.60	209.65	15.97		80.0	
		Z	1.35	60.00	8.64		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.53	60.58	9.11	2.23	80.0	± 9.6 %
		Y	17.31	229.94	5.52		80.0	
		Z	1.37	60.00	8.51		80.0	1
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.10	70.67	17.16	2.23	80.0	± 9.6 %
		Y	1.60	65.48	12.91		80.0	
		Z	2.73	69.49	16.71		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.16	67.97	15.73	2.23	80.0	± 9.6 %
		Y	1.34	60.72	9.33		80.0	
		Z	2.88	67.15	15.31		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.22	67.87	15.63	2,23	80.0	± 9.6 %
		Y	1.33	60.43	9.07		80.0	-
		Z	2.93	67.06	15.21		80.0	
10503- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.34	70.72	17.57	2.23	80.0	± 9.6 %
		Y	2.22	68.78	16.06		80.0	
		Z	2.98	69.59	17.20		80.0	
10504- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.37	68.03	16.51	2.23	80.0	± 9.6 %
		· · · T	0.00	1 00 04	44.00		80.0	
		Y	2.30	66.01	14.09			
		Y Z	<u>2.30</u> 3.11	67.28	16.20		80.0	
10505- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Z X	3.11 3.47	67.28 67.93	16.20 16.49	2.23	80.0 80.0	± 9.6 %
10505-	LTE-TDD (SC-FDMA, 100% RB, 5 MHz,	Z	3.11	67.28	16.20	2.23		± 9.6 %
10505-	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Z X Y Z	3.11 3.47	67.28 67.93	16.20 16.49	2.23	80.0	± 9.6 %
10505-	LTE-TDD (SC-FDMA, 100% RB, 5 MHz,	Z X Y Z X	3.11 3.47 2.31 3.21 3.90	67.28 67.93 65.66 67.21 71.01	16.20 16.49 13.87 16.19 17.71	2.23	80.0 80.0 80.0 80.0	± 9.6 %
10505- AAB 10506-	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Z X Y Z X Y	3.11 3.47 2.31 3.21 3.90 2.75	67.28 67.93 65.66 67.21 71.01 69.34	16.20 16.49 13.87 16.19 17.71 17.15		80.0 80.0 80.0	
10505- AAB 10506-	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Z X Y Z X	3.11 3.47 2.31 3.21 3.90	67.28 67.93 65.66 67.21 71.01	16.20 16.49 13.87 16.19 17.71		80.0 80.0 80.0 80.0	
10505- AAB 10506-	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	Z X Y Z X Y	3.11 3.47 2.31 3.21 3.90 2.75	67.28 67.93 65.66 67.21 71.01 69.34	16.20 16.49 13.87 16.19 17.71 17.15		80.0 80.0 80.0 80.0 - 80.0	
10505- AAB 10506- AAB 10507-	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 10	Z X Z Z X Y Z	3.11 3.47 2.31 3.21 3.90 2.75 3.53	67.28 67.93 65.66 67.21 71.01 69.34 69.98	16.20 16.49 13.87 16.19 17.71 17.15 17.41	2.23	80.0 80.0 80.0 80.0 80.0 80.0 80.0	± 9.6 %

10508- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.87	67.76	16.81	2.23	80.0	± 9.6 %
		Y	2.97	66.90	15.95		80.0	
		Z	3.63	67.09	16.57		80.0	
10509- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.29	70.13	17.39	2.23	80.0	±9.6 %
		Ŷ	3.19	68.68	17.10		80.0	
		Z	3.96	69.31	17.16		80.0	
10510- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	4.29	67.87	16.94	2.23	80.0	± 9.6 %
		Y	3.35	66.74	16.37		80.0	
		Z	4.04	67.22	16.73		80.0	
10511- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.35	67.67	16.90	2.23	80.0	± 9.6 %
		Y	3.43	66.67	16.35		80.0	
		Z	4.11	67.05	16.70		80.0	
10512- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.41	71.37	17.74	2.23	80.0	± 9.6 %
		Y	3.20	69.31	17.29		80.0	
		Z	4.03	70.41	17.47		80.0	
10513- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	4.17	68.08	17.01	2.23	80.0	± 9.6 %
		Y	3.27	66.70	16.44		80.0	
10514- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Z X	3.92 4.20	67.38 67.73	16.78 16.93	2.23	80.0 80.0	± 9.6 %
	Subirame=2,3,4,7,6,9)	Y	3.34	66.53	16.38		80.0	
		Z	<u> </u>	67.07	16.71		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	1.01	63.92	15.46	0.00	150.0	± 9.6 %
7001		Y	1.07	66.05	16.52		150.0	
		Ż	1.00	63.52	15.11		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.80	76.03	20.57	0.00	150.0	± 9.6 %
		Y	1.63	90.26	26.95		150.0	
		Z	0.67	72.14	18.59		150.0	
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.88	66.52	16.52	0.00	150.0	± 9.6 %
		Y	0.99	69.72	18.29		150.0	
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	Z X	0.86 4.57	65.67 66.91	15.91 16.40	0.00	<u>150.0</u> 150.0	± 9.6 %
		Y	4.10	67.98	16.63		150.0	
	··· · · · · · · · · · · · · · · · · ·	Ż	4.53	66.84	16.34		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.75	67.14	16.51	0.00	150.0	± 9.6 %
		Y	4.20	68.09	16.69		150.0	
		Z	4.70	67.05	16.44		150.0	
10520- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.61	67.11	16.44	0.00	150.0	± 9.6 %
		Y	4.07	67.97	16.60		150.0	<b> </b>
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	Z X	4.56 4.54	67.01 67.11	16.37 16.43	0.00	150.0 150.0	± 9.6 %
1111		Y	4.00	67.83	16.53		150.0	
		z	4.49	67.00	16.36	<u>+-</u>	150.0	
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.60	67.20	16.52	0.00	150.0	± 9.6 %
		Y	4.00	67.82	16.53	I	150.0	
		Z	4.55	67.12	16.45		150.0	

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10523- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.49	67.08	16.37	0.00	150.0	± 9.6 %
		Y	4.01	68.16	16.68		150.0	1
		Z	4.44	67.01	16.31		150.0	
10524- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.54	67.12	16.48	0.00	150.0	± 9.6 %
		Y	3.97	67.92	16.63		150.0	
		Z	4.49	67.03	16.42		150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.54	66.18	16.08	0.00	150.0	± 9.6 %
	·	Y	4.09	67.26	16.38		150.0	
		Z	4.50	66.10	16.02		150.0	
10526- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.71	66.55	16.22	0.00	150.0	± 9.6 %
		Y	4.14	67.37	16.43		150.0	
		Z	4.65	66.45	16.16		150.0	
10527- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duly cycle)	X	4.63	66.51	16.17	0.00	150.0	± 9.6 %
		Y.	4.11	67.44	16.42		150.0	
		Z	4.58	66.41	16.10		150.0	
10528- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.64	66.53	16.20	0.00	150.0	± 9.6 %
	·	Y	4.10	67.35	16.39		150.0	
		Z	4.59	66.42	16.13		150.0	
10529- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.64	66.53	16.20	0.00	150.0	± 9.6 %
		Y	4.10	67.35	16.39		150.0	
		Z	4.59	66.42	16.13		150.0	
10531- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.64	66.64	16.22	0.00	150.0	± 9.6 %
		Y	4.06	67.36	16.37		150.0	
		Z	4.58	66.51	16.14	• -	150.0	
10532- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.50	66.50	16.16	0.00	150.0	± 9.6 %
_		Y.	3.98	67.28	16.33		150.0	
		Z	4.44	66.37	16.07		150.0	
10533- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.65	66.58	16.19	0.00	150.0	± 9.6 %
		Y	4.11	67.58	16.46		150.0	
		Z	4.60	66.49	16.13		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.17	66.59	16.23	0.00	150.0	± 9.6 %
		Y	4.70	66.96	16.45		150.0	
		Z	5.13	66.48	16.18		150.0	<u> </u>
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.24	66.77	16.31	0.00	150.0	± 9.6 %
		Y	4.70	67.00	16.48		150.0	
		Ż	5.20	66.68	16.26		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.11	66.73	16.27	0.00	150.0	± 9.6 %
		Y	4.62	67.02	16.47		150.0	
		Z	5.07	66.63	16.22		150.0	
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.17	66.69	16.25	0.00	150.0	± 9.6 %
		Y	4.71	67.16	16.55		150.0	
10520		Z	5.13	66.59	16.20		150.0	
10538- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.26	66.70	16.30	0.00	150.0	± 9.6 %
	+	Y	4.72	66.92	16.45		150.0	
40515		Z	5.21	66.59	16.24		150.0	
10540- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.19	66.73	16.33	0.00	150.0	±9.6 %
		Ϋ́	4.66	66.87	16.46		150.0	
		Z	5.14	66.60	16.27		150.0	

10541- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.16	66.59	16.25	0.00	150.0	± 9.6 %
1441		Y	4.67	66.90	16.44	<u> </u>	150.0	
		z	5.12	66.48	16.19		150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.31	66.65	16.29	0.00	150.0	±9.6%
		Y	4.80	66.97	16.49		150.0	
		Z	5.27	66.55	16.25		150.0	
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.39	66.68	16.33	0.00	150.0	± 9.6 %
		Y	4.85	67.01	16.54		150.0	
40544		Z	5.34	66.57	16.28		150.0	
10544- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duly cycle)	X	5.48	66.68	16.21	0.00	150.0	± 9.6 %
		Ι <u>Υ</u>	5.09	66.77	16.36		150.0	
10545-	IEEE 802.11ac WiFi (80MHz, MCS1,	Z	5.46	66.59	16.17		150.0	
<u>AAA</u>	99pc duty cycle)	X	5.68	67.10	16.37	0.00	150.0	±9.6 %
		Y	5.20	67.11	16.51	-	150.0	
10546-		Z	5.65	67.02	16.33	0.00	150.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.55	66.89	16.28	0.00	150.0	± 9.6 %
		Y	5.10	66.84	16.37		150.0	
10547-	IEEE 802.11ac WiFi (80MHz, MCS3,	Z	5.51	66.77	16.22		150.0	1000
AAA	99pc duty cycle)	X	5.62	66.93	16.29	0.00	150.0	±9.6%
		Y	5.22	67.15	16.53		150.0	
10548-		Z	5.58	66.82	16.24	0.00	150.0	
AAA	IEEE 802.11ac WIFi (80MHz, MCS4, 99pc duty cycle)	X	5.87	67.85	16.72	0.00	150.0	± 9.6 %
		Y	5.13	67.04	16.46		150.0	
40550		Z	5.82	67.71	16.65		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.58	66.91	16.30	0.00	150.0	±9.6 %
		Y	5.24	67.42	16.68		150.0	
10551-			5.55	66.83	16.27	0.00	150.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.58	66.96	16.28	0.00	150.0	± 9.6 %
		Y Y	5.07	66.77	16.33		150.0	
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	Z X	5.54 5.50	66.84 66.76	16.2 <u>3</u> 16.19	0.00	150.0 150.0	± 9.6 %
1001		Y	5.09	66.99	16.43		150.0	
		z	5.47	66.66	16.15		150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.58	66.78	16.23	0.00	150.0	± 9.6 %
		Y	5.11	66.82	16.35		150.0	
		Z	5.54	66.67	16.18		150.0	
10554- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.89	67.03	16.29	0.00	150.0	± 9.6 %
		Y	5.55	66.98	16.39		150.0	
		Z	5.87	66.94	16.25		150.0	
10555- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.02	67.33	16.41	0.00	150.0	± 9.6 %
		Y	5.61	67.17	16.48		150.0	
		Z	5.99	67.24	16.37		150.0	
10556- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duly cycle)	X	6.04	67.38	16.43	0.00	150.0	± 9.6 %
		Y	5.65	67.28	16.52		150.0	
		Z	6.02	67.29	16.39		150.0	
10557- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duly cycle)	X	6.01	67.28	16.40	0.00	150.0	± 9.6 %
		Y	5.60	67.14	16.47		150.0	
		Z	5.97	67.17	16.35		150.0	

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10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.05	67.44	16.50	0.00	150.0	± 9.6 %
		Y	5.55	67.02	16.43		150.0	
		Z	6.02	67.33	16.43		150.0	
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.05	67.29	16.46	0.00	150.0	± 9.6 %
		Y	5.59	67.02	16.46		150.0	
		Z	6.01	67.17	16.41		150.0	
10561- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.97	67.26	16.48	0.00	150.0	± 9.6 %
		Y	5.53	66.98	16.46		150.0	
		Z	5.94	67.16	16.44		150.0	
10562- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.09	67.63	16.67	0.00	150.0	± 9.6 %
		Y	5.59	67.19	16.57		150.0	
40500		Z	6.05	67.48	16.60		150.0	
10563- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duly cycle)	X	6.29	67.85	16.73	0.00	150.0	±9.6 %
· · ·		Y	5.86	67.78	16.84		150.0	
40504		Z	6.16	67.47	16.55		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.89	66.92	16.50	0.46	150.0	±9.6 %
		Y	4.37	67.73	16.65		150.0	
40505		Z	4.84	66.85	16.44		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	5.12	67.38	16.83	0.46	150.0	±9.6 %
		Y	4.53	68.17	16.98		150.0	
		Ž	5.07	67.30	16.78		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	4.95	67.23	16.64	0.46	150.0	± 9.6 %
<u> </u>		Y	4.37	67.89	16.75		150.0	
		Z	4.90	67.13	16.58		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	4.98	67.65	17.02	0.46	150.0	± 9.6 %
		Y	4.44	68.37	17.19		150.0	
		Z	4.94	67.56	16.97		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.85	66.96	16.38	0.46	150.0	±9.6 %
		Y	4.20	67.26	16.25		150.0	
		Z	4.80	66.87	16.32		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	4.94	67.75	17.08	0.46	150.0	± 9.6 %
		Y	4.45	68.76	17.43		150.0	
		Z	4.90	67.68	17.04		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	4.98	67.59	17.02	0.46	150.0	± 9.6 %
		<u> Y</u>	4.39	68.33	17.21		150.0	l
40554		Z	4.93	67.52	16.97		150.0	L
10571- 	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.19	64.81	15.85	0.46	130.0	± 9.6 %
		Y	1.17	65.59	16.16		130.0	L
10575		Z	1.15	64.12	15.44		130.0	
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.21	65.43	16.24	0.46	130.0	± 9.6 %
		Ý	1.18	66.27	16.61		130.0	
105-5		Z	1.17	64.67	15.80		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	2.73	90.43	24.99	0.46	130.0	± 9.6 %
		Υ	2.86	95.55	28.03		<u>1</u> 30.0	
		Z	1.51	81.07	21.85		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duly cycle)	X	1.39	72.10	19.60	0.46	130.0	± 9.6 %
		Y	1.35	73.36	20.46		130.0	
		Z	1.26	70.26	18.73		130.0	t

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10575-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.65	66.62	16.45	0.46	130.0	± 9.6 %
	OFDM, 6 Mbps, 90pc duty cycle)					0.40	100.0	± 0.0 %
		Y	4.13	67.33	16.45		130.0	
10576-		Z	4.61	66.55	16.40		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X	4.68	66.80	16.53	0.46	130.0	± 9.6 %
		Y	4.17	67.68	16.63		130.0	
10577-		Z	4.64	66.73	16.48		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	4.88	67.09	16.70	0.46	130.0	± 9.6 %
		Y	4.28	67.86	16.75		130.0	
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	Z X	<u>4.83</u> 4.78	67.01 67.27	16.65 16.82	0.46	130.0 130.0	± 9.6 %
	or bin, to hipps, sope duty cycle)	Y	4.22	68.05	16.92		130.0	
		z	4.73	67.18	16.92		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.53	66.48	16.08	0.46	130.0	± 9.6 %
		Y	3.91	66.80	15.89		130.0	
		Z	4.48	66.37	16.01	-	130.0	
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.58	66.51	16.09	0.46	130.0	± 9.6 %
		Y	3.89	66.66	15.78		130.0	
		Z	4.53	66.42	16.03		130.0	
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	4.68	67.30	16.76	0.46	130.0	±9.6 %
		Y	4.14	68.18	16.94		130.0	
10500		Z	4.63	67.21	16.71		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duly cycle)	X	4.47	66.23	15.85	0.46	130.0	±9.6 %
		Y	3.80	66.45	15.61		130.0	
10500		Z	4.42	66.12	15.78		130.0	
10583- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.65	66.62	16.45	0.46	130.0	± 9.6 %
		Y	4.13	67.33	16.45		<u>130.</u> 0	
40504		Z	4.61	66.55	16.40		130.0	
10584- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.68	66.80	16.53	0.46	130.0	±9.6 %
		Y	4.17	67.68	16.63		130.0	
40505		Z	4.64	66.73	16.48		130.0	
10585- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.88	67.09	16.70	0.46	130.0	± 9.6 %
		Y	4.28	67.86	16.75		130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	Z X	<u>4.83</u> 4.78	67.01 67.27	16.65 16.82	0.46	130.0 130.0	± 9.6 %
		Y	4.22	68.05	16.92		130.0	
		z	4.73	67.18	16.77		130.0	· · · ·
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.53	66.48	16.08	0.46	130.0	±9.6 %
		Y	3.91	66.80	15.89		130.0	
		Z	4.48	66.37	16.01		130.0	
10588- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.58	66.51	16.09	0.46	130.0	± 9.6 %
·		Y	3.89	66.66	15.78		130.0	
40500		Z	4.53	66.42	16.03		130.0	
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.68	67.30	16.76	0.46	130.0	±9.6 %
		<u>Y</u>	4.14	68.18	16.94		130.0	
10500		Z	4.63	67.21	16.71	-	130.0	
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	×	4.47	66.23	15.85	0.46	130.0	± 9.6 %
		Y	3.80	66.45	15.61		130.0	
_		Z	4.42	66.12	15.78		130.0	

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10591-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.80	66.69	16.56	0.46	130.0	± 9.6 %
AAA	MCS0, 90pc duly cycle)	-	1.00	0= 15				
		Y	4.29	67.48	16.65		130.0	
40500		Z	4.76	66.62	16.52		130.0	
10592- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duly cycle)	X	4.96	67.02	16.69	0.46	130.0	± 9.6 %
		Y	4.35	67.66	16.74		130.0	
		Z	4.91	66.95	16.65		130.0	
10593- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.87	66.92	16.57	0.46	130.0	± 9.6 %
		Y	4.28	67.58	16.60		130.0	
		Z	4.82	66.84	16.52		130.0	
10594- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.93	67.10	16.73	0.46	130.0	± 9.6 %
		Y	4.32	67.69	16.75		130.0	
		Z	4.88	67.02	16.68		130.0	
10595- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.90	67.04	16.62	0.46	130.0	±9.6 %
		Y	4.28	67.67	16.66		130.0	
		Z	4.85	66.97	16.57		130.0	
10596- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.83	67.04	16.62	0.46	130.0	± 9.6 %
		Y	4.19	67.48	16.58		130.0	
		Z	4.78	66.95	16.57		130.0	
10597- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.78	66.93	16.50	0.46	130.0	± 9.6 %
		Y	4.17	67.42	16.44		130.0	
		Z	4.73	66.84	16.44		130.0	
10598- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.77	67.20	16.78	0.46	130.0	± 9.6 %
		Y	4.23	67.87	16.85		130.0	<u> </u>
		Z	4.72	67.09	16.72		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.48	67.23	16.77	0.46	130.0	±9.6 %
		Y	5.11	68.05	17.18		130.0	
		Z	5.44	67.15	16.74		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.60	67.61	16.93	0.46	130.0	± 9.6 %
		Y	5.02	67.79	17.02		130.0	
		Z	5.57	67.57	16.91		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.49	67.38	16.83	0.46	130.0	± 9.6 %
		Y	4.99	67.77	17.04		130.0	
		Ż	5.46	67.31	16.81		130.0	· · · ·
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duly cycle)	X	5.59	67.40	16.75	0.46	130.0	±9.6 %
		Y	5.00	67.54	16.84		130.0	
		Ż	5.57	67.40	16.76		130.0	
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.67	67.72	17.05	0.46	130.0	± 9.6 %
		Y	5.02	67.69	17.07		130.0	1
	· · · · ·	Ż	5.64	67.68	17.04		130.0	· ·
10604- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duly cycle)	X	5.49	67.21	16.78	0.46	130.0	± 9.6 %
· · ·		Y	5.00	67.56	16.96		130.0	1
		Ż	5.49	67.27	16.82		130.0	1
10605- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.59	67.50	16.92	0.46	130.0	± 9.6 %
		Y	4.95	67.41	16.89		130.0	<b> </b>
	·	Ż	5.56	67.47	16.92	1	130.0	
						+ - <del></del>		1
10606- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duly cycle)	X	5.33	66.83	16.44	0.46	130.0	± 9.6 %
10606- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duly cycle)		5.33 4.96	66.83 67.58	16.44 16.81	0.46	130.0	± 9.6 %

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10607-	IEEE 802.11ac WiFi (20MHz, MCS0,	ТхТ	4.64	66.02	16.19	0.46	130.0	± 9.6 %
AAA	90pc duty cycle)			CONDE	10.10	0.40	100.0	10.070
		Y	4.16	66.91	16.36		130.0	
		Z	4.60	65.95	16.15		130.0	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.83	66.42	16.36	0.46	130.0	± 9.6 %
		Y	4.22	67.08	16.44		130.0	
		Z	4.78	66.34	16.31		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.71	66.26	16.19	0.46	130.0	± 9.6 %
		Y Y	4.14	66.94	<u>16.27</u>		130.0	
40040		Z	4.67	66.17	16.14		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.77	66.42	16.36	0.46	130.0	± 9.6 %
		Y	4.18	67.09	16.43		130.0	
		Z	4.72	66.34	16.31		130.0	
10611- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	×	4.68	66.22	16.20	0.46	130.0	± 9.6 %
		Y	<u>4.10</u>	<u>66.8</u> 7	16.26		130.0	
4004-		Z	4.63	66.13	16.14		130.0	
10612- AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	×	4.69	66.36	16.23	0.46	130.0	± 9.6 %
		Y	4.03	66.77	16.18		130.0	
		Z	4.63	66.26	16.18		130.0	
10613- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.69	66.24	16.12	0.46	130.0	± 9.6 %
		Y	4.05	66.68	16.06		130.0	
		Z	4.63	66.13	16.05		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.64	66.46	16.37	0.46	130.0	± 9.6 %
		Y	4.09	67.10	16.44		130.0	
		Z	4.59	66.36	16.31		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.68	66.02	15.96	0.46	130.0	± 9.6 %
		Y	4.06	66.66	15.97		130.0	
		Z	4.62	65.94	15.90	-	130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.29	66.48	16.38	0.46	130.0	± 9.6 %
		Y	4.78	66.74	16.52		130.0	
		Z	5.26	66.40	16.35		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.36	66.65	16.44	0.46	130.0	± 9.6 %
		Y	4.78	66.75	16.51		130.0	
		Z	5.33	66.60	16.42		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.25	66.67	16.46	0.46	130.0	± 9.6 %
		Y	4.72	66.85	16.58		130.0	
		Z	5.21	66.61	16.44		130.0	i
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.26	66.46	16.29	0.46	130.0	± 9.6 %
		Y	4.77	66.81	16.49		130.0	
		Z	5.22	66.38	16.26		130.0	
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.35	66.50	16.36	0.46	130.0	± 9.6 %
		Y	4.78	66.60	16.41		130.0	
		Z	5.31	66.41	16.33		130.0	
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.35	66.65	16.56	0.46	130.0	± 9.6 %
		Y	4.83	66.85	16.68		130.0	
		_ Z	5.32	66.59	16.54		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duly cycle)	X	5.37	66.81	16.63	0.46	130.0	± 9.6 %
		Y	4.79	66.84	16.68		130.0	
		Z	5.33	66.74	16.61	l	130.0	

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10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	x	5.24	66.32	16.25	0.46	130.0	± 9.6 %
		Y	4.72	66.50	16.34		130.0	
		z	5.20	66.24	16.22		130.0	
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.43	66.52	16.42	0.46	130.0	± 9.6 %
		Y	4.88	66.72	16.52		130.0	
		Z	5.40	66.45	16.39		130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.79	67.47	16.94	0.46	130.0	± 9.6 %
		Y	5.00	67.06	16.76		130.0	
		Z	5.70	67.26	16.85		130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.59	66.53	16.33	0.46	130.0	± 9.6 %
		Y	5.18	66.57	16.44		130.0	
40007		Z	5.56	66.46	16.31		130.0	
10627- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duly cycle)	X	5.83	67.09	16.57	0.46	130.0	± 9.6 %
		Y	5.32	67.03	16.66		130.0	
40000		Z	5.81	67.05	16.57		130.0	<u> </u>
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.62	66.61	16.26	0.46	130.0	± 9.6 %
		Y	5.14	66.45	16.28		130.0	
40600		Z	5.58	66.50	16.22		130.0	
10629- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.69	66.66	16.28	0.46	130.0	± 9.6 %
		Y	5.30	66.90	16.51		130.0	
40000		Z	5.66	66.57	16.25		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.12	68.14	17.02	0.46	130.0	± 9.6 %
		Ý	5.23	66.85	16.50		130.0	
		Z	6.06	67.97	16.95		130.0	
10631- AAA	IEEE 802.11ac WIFi (80MHz, MCS5, 90pc duty cycle)	X	6.03	67.99	17.15	0.46	130.0	±9.6 %
		Y	5.35	67.44	17.00		130.0	
	· · · · · · · · · · · · · · · · · · ·	Z	5.98	67.84	17.09		130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.80	67.18	16.76	0.46	130.0	± 9.6 %
		Y	5.50	67.84	17.20		130.0	
		Z	<u>5.</u> 78	67.15	16.76		130.0	
10633- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duly cycle)	X	5.68	66.78	16.38	0.46	130.0	±9.6 %
		Y	<u>5.16</u>	66.59	16.40		130.0	
		Z	5.65	66.69	16.35		130.0	
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.67	66.82	16.47	0.46	130.0	±9.6 %
		Y	5.24	66.99	16.65		130.0	
		Z	5.63	66.72	16.43		130.0	
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.54	66.10	15.82	0.46	130.0	± 9.6 %
		Y	5.01	65.92	15.79		130.0	
		Ζ	5.50	65.99	15.78		130.0	
10636- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.00	66.89	16.41	0.46	130.0	± 9.6 %
		Y	5.65	66.81	16.48		130.0	
1000-		Z	5.98	66.82	16.39	<u> </u>	130.0	
10637- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.16	67.27	16.58	0.46	130.0	±9.6 %
		Y	5.75	67.13	16.64		<u>1</u> 30.0	
		Z	6.14	67.21	16.57		130.0	
10638- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duly cycle)	X	6.15	67.24	16.55	0.46	130.0	±9.6 %
		Ý	<u>5.76</u>	67.17	16.64		130.0	
		Z	6.13	67.17	16.53		130.0	

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10639- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.13	67.20	16.57	0.46	130.0	± 9.6 %
		Y	5.71	67.01	16.60		130.0	·
		Z	6.11	67.11	16.54	<u> </u>	130.0	
10640- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.13	67.19	16.51	0.46	130.0	± 9.6 %
		Y	5.60	66.69	16.38		130.0	
		Z	6.11	67.10	16.47		130.0	· · · ·
10641- AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duly cycle)	X	6.18	67.10	16.48	0.46	130.0	± 9.6 %
		Y	5.73	66.87	16.49		130.0	
		Z	6.17	67.05	16.47		130.0	
10642- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.23	67.38	16.79	0.46	130.0	± 9.6 %
		Y	5.75	67.07	16.76		130.0	
		Z	6.20	67.30	16.77		130.0	
10643- 	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	Х	6.06	67.04	16.51	0.46	130.0	± 9.6 %
		Y	5.58	66.67	16.43		130.0	
·		Z	6.04	66.97	16.50		130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.22	67.52	16.78	0.46	130.0	± 9.6 %
		Y	5.68	67.01	16.62		130.0	
		Z	6.17	67.37	16.71		130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.52	68.03	16.98	0.46	130.0	± 9.6 %
		Y	6.07	67.95	17.07		130.0	
		Z	6.34	67.53	16.76		130.0	
10646- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	13.12	97.57	31.83	9.30	60.0	± 9.6 %
··		Y	3.90	78.39	26.30		60.0	
		Z	9.88	93.63	31.05		60.0	
10647- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	12.04	96.40	31.56	9.30	60.0	±9.6 %
		Y	3.54	76.66	25.68		60.0	
		Z	8.93	92.04	30.63		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.77	65.21	11.99	0.00	150.0	± 9.6 %
		Y	0.27	60.00	4.67		150.0	
		Z	0.71	64.17	11.12		150.0	

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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





С

S Schweizerischer Kalibrierdienst

- Service suisse d'étalonnage
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- Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Client	PC Test	
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Certificate No: ES	3-3318 Feb	17
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13-01-2017

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ES3DV3 - SN:3318

Calibration procedure(s)

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

Calibration date:

February 10, 2017

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	06-Apr-16 (No. 217-02288/02289)	Apr-17
Power sensor NRP-Z91	SN: 103244	06-Apr-16 (No. 217-02288)	Apr-17
Power sensor NRP-Z91	SN: 103245	06-Apr-16 (No. 217-02289)	Apr-17
Reference 20 dB Attenuator	SN: S5277 (20x)	05-Apr-16 (No. 217-02293)	Apr-17
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
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-16)	In house check: Oct-17

	Name	Function	Signature	
Calibrated by:	Claudio Leubler	Laboratory Technician		
			YES	전철관관학
Approved by:	Kalja Pokovic	Technical Manager	PORC	
			10.000	
			Issued: February 13, 2017	7
This calibration certificat	e shall not be reproduced except in full	without written approval of the lab	oratory.	

#### Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland



S Schweizerischer Kalibrierdienst

C Service suisse d'étalonnage

Accreditation No.: SCS 0108

- S Servizio svizzero di taratura
- Swiss Calibration Service

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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 9	9 rotation around an axis that is in the plane normal to probe axis (at measurement center),
	i.e., 9 = 0 is normal to probe axis
Connector Angle	information used in DARY system to align proba songer V to the robot apardinate system

#### 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, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
- 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 9 = 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<sup>2</sup>-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:3318

Manufactured: Calibrated:

January 10, 2012 February 10, 2017

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

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	1.11	0.89	1.24	± 10.1 %
DCP (mV) <sup>B</sup>	104.2	104.2	103.5	

#### **Modulation Calibration Parameters**

UID	Communication System Name		Α	В	С	D	VR	Unc <sup>E</sup>
			dB	dB√μV		dB	m∨	(k=2)
0	CW	X	0.0	0.0	1.0	0.00	207.9	±3.3 %
		Y	0.0	0.0	1.0		188.2	
		Z	0.0	0.0	1.0	1	201.5	

Note: For details on UID parameters see Appendix.

#### **Sensor Model Parameters**

	C1	C2	α	T1	T2	Т3	T4	T5	Т6
	fF	fF	V⁻¹	ms.V⁻²	ms.V⁻¹	ms	V-2	V <sup>-1</sup>	
Х	63.42	453.7	35.34	29.18	2.667	5.1	0.885	0.445	1.01
Y	50.41	352.5	33.95	25.81	1.921	5.062	1.77	0.176	1.007
Z	62.08	445.4	35.38	29.73	3.23	5.1	0.803	0.494	1.012

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%.

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

<sup>B</sup> Numerical linearization parameter: uncertainty not required.

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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	6.73	6.73	6.73	0.43	1.53	± 12.0 %
835	41.5	0.90	6.47	6.47	6.47	0.57	1.36	± 12.0 %
1750	40.1	1.37	5.49	5.49	5.49	0.74	1.19	± 12.0 %
1900	40.0	1.40	5.31	5.31	5.31	0.60	1.33	± 12.0 %
2300	39.5	1.67	4.95	4.95	4.95	0.60	1.42	± 12.0 %
2450	39.2	1.80	4.74	4.74	4.74	0.71	1.28	± 12.0 %
2600	39.0	1.96	4.53	4.53	4.53	0.75	1.35	± 12.0 %

#### Calibration Parameter Determined in Head Tissue Simulating Media

<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.

The ConvF uncertainty for indicated target tissue parameters. <sup>6</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than  $\pm$  1% for frequencies below 3 GHz and below  $\pm$  2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

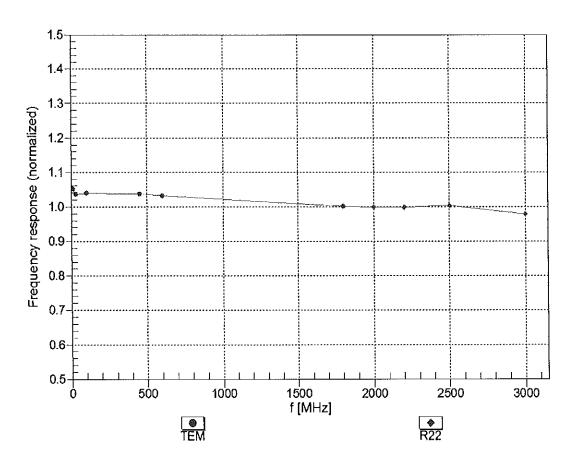
f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	55.5	0.96	6.50	6.50	6.50	0.62	1.33	± 12.0 %
835	55.2	0.97	6.37	6.37	6.37	0.66	1.31	± 12.0 %
1750	53.4	1.49	5.12	5.12	5.12	0.42	1.72	± 12.0 %
1900	53.3	1.52	4.96	4.96	4.96	0.67	1.38	± 12.0 %
2300	52.9	1.81	4.70	4.70	4.70	0.77	1.22	± 12.0 %
2450	52.7	1.95	4.55	4.55	4.55	0.75	1.17	± 12.0 %
2600	52.5	2.16	4.34	4.34	4.34	0.80	1.05	± 12.0 %

#### Calibration Parameter Determined in Body Tissue Simulating Media

<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 ( $\varepsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to

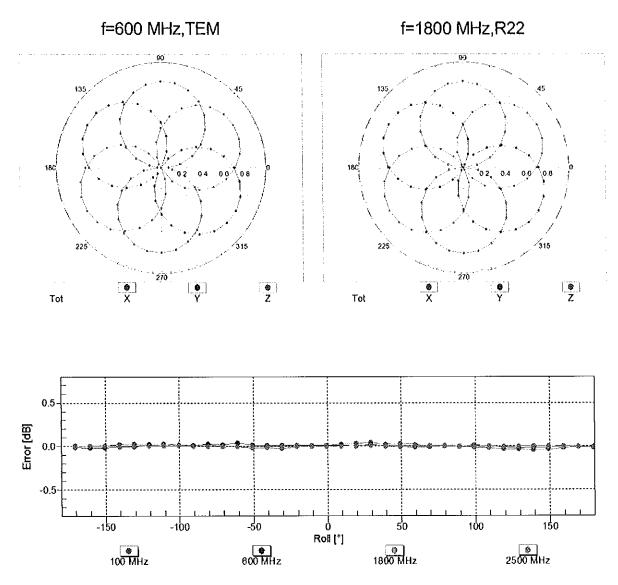
<sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\varepsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\varepsilon$  and  $\sigma$ ) is restricted 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

<sup>6</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)

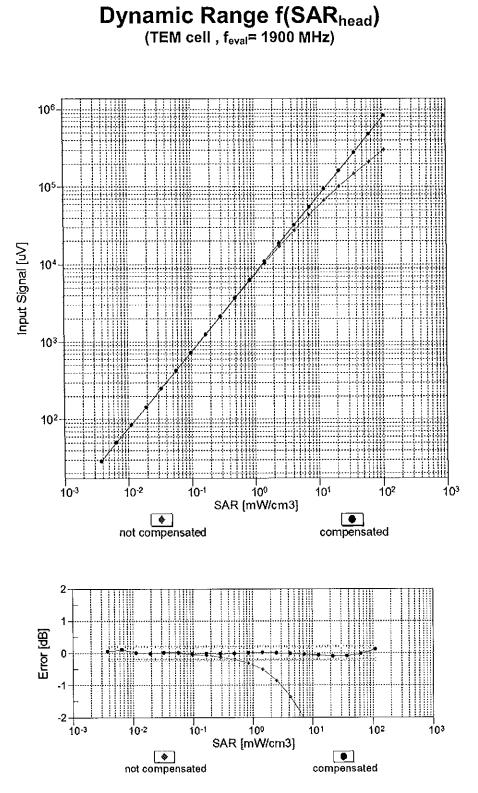
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)



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

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

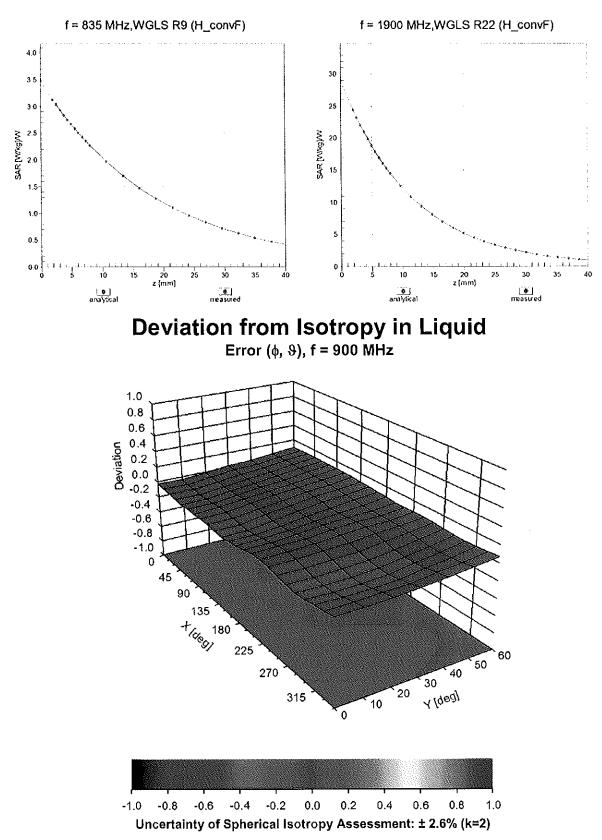
February 10, 2017



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

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**Conversion Factor Assessment** 

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	79.3
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**

0         CW         X         0.00         0.00         1.00         0.00         207.9         ± 3.3 %           V         0.00         0.00         1.00         207.9         ± 3.3 %           CAA         SAR Validation (Square, 100ms, 10ms)         X         10.65         83.39         20.62         10.00         25.0         ± 9.6 %           CAA         Y         10.65         83.39         20.62         10.00         25.0         ± 9.6 %           CAA         Y         1.46         67.66         16.19         25.0         ± 9.6 %           CAB         Y         1.14         69.56         16.19         25.0         ± 9.6 %           CAB         Y         1.14         69.56         16.84         150.0         ± 9.6 %           CAB         Z         1.30         65.69         16.25         150.0         ± 9.6 %           CAB         Z         1.33         65.69         16.25         150.0         ± 9.6 %           CAB         OFDM, 6 Mpps)         Y         5.21         67.34         17.37         150.0         ± 9.6 %           CAB         OFDM, 6 Mpps)         Y         6.523         256.0         9.39	UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max Unc <sup>E</sup> (k=2)
Z         0.00         1.00         201.5           CAA         Y         10.65         83.39         20.62         10.00         25.0         ± 9.6 %           CAA         Y         8.27         77.95         11.10         25.0         ± 9.6 %           CAB         Y         1.26         70.62         17.25         0.00         150.0         ± 9.6 %           CAB         Y         1.14         60.56         16.54         15.49         150.0         ± 9.6 %           CAB         Mbps)         Z         1.10         67.80         15.49         150.0         ± 9.6 %           CAB         Mbps)         Y         1.31         65.69         16.25         150.0         ± 9.6 %           CAB         OFDM, 6 Mps)         Y         5.21         67.34         17.37         150.0         ± 9.6 %           10013-         IEEE 802.11g WiF12.4 GHz (DSSS-         X         5.21         67.34         17.37         150.0         ± 9.6 %           CAB         OFDM, 6 Msps)         X         30.30         102.62         28.60         9.39         50.0         ± 9.6 %           DAC         Y         85.74         117.41         31.25 </td <td>0</td> <td>CW</td> <td>Х</td> <td></td> <td></td> <td></td> <td>0.00</td> <td></td> <td>± 3.3 %</td>	0	CW	Х				0.00		± 3.3 %
10010- CAA         SAR Validation (Square, 100ms, 10ms)         X         10.65         83.39         20.82         10.00         25.0         ± 9.6 %           CAA         Z         9.41         81.16         9         25.0         ± 9.6 %           10011-         UMTS-FDD (WCDMA)         X         1.26         70.62         17.26         0.00         150.0         ± 9.6 %           CAB         Y         1.14         60.56         16.54         150.0         ± 9.6 %           10012-         IEEE 802.11b WIFI 2.4 GHz (DSSS, 1         X         1.36         66.00         16.84         0.41         150.0         ± 9.6 %           CAB         Y         1.31         65.69         16.25         150.0         ± 9.6 %           I0013-         IEEE 802.11g WIFI 2.4 GHz (DSSS-         X         6.21         67.33         17.37         150.0         ± 9.6 %           CAB         OFDM, 6 Mbps)         Y         5.03         67.33         17.37         150.0         ± 9.6 %           DAC         SSM-FDD (TDMA, GMSK, TN 0)         X         25.91         9.30         50.0         ± 9.6 %           DAC         SSM-FDD (TDMA, GMSK, TN 0-1)         X         80.30         102.4         <									
CAA         Y         B.27         79.56         18.19         Z60         Z60           ID011-         Z         9.41         81.26         20.29         26.0         150.0         ±9.6%           CAB         Y         1.14         69.56         16.54         150.0         ±9.6%           CAB         Y         1.14         69.56         16.54         150.0         ±9.6%           I0012-         IEEE 802.11b WIF12.4 GHz (DSSS, 1         X         1.33         65.69         16.25         150.0         ±9.6%           CAB         Mbps)         Y         1.31         65.69         16.25         150.0         ±9.6%           CAB         OFDM, 6 Mpps)         Y         5.21         67.34         17.59         1.46         150.0         ±9.6%           CAB         OFDM, 6 Mpps)         Y         5.33         67.33         17.37         150.0         ±9.6%           DAC         Z         5.21         67.34         17.41         31.25         50.0         ±9.6%           DAC         Y         85.74         117.41         31.25         50.0         ±9.6%           DAC         Y         50.57         10.04         29	10010	CAR Validation (Cause 400ms 40ms)					40.00		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	CAA	SAR validation (Square, Tooms, Toms)		10.05	83.39	20.62	10.00	25.0	±9.6%
10011.         UMTS-FDD (WCDMA)         X         1.26         70.62         17.25         0.00         150.0         ± 9.6 %           CAB         Y         1.14         69.66         16.54         150.0           10012-         IEEE 802.11b WiFi 2.4 GHz (DSSS, 1         X         1.36         66.00         16.64         0.41         150.0         ± 9.6 %           CAB         Y         1.31         65.69         16.25         150.0         ± 9.6 %           CAB         OFDM, 6 Mbps)         Y         5.03         67.34         17.37         150.0         ± 9.6 %           CAB         OFDM, 6 Mbps)         Y         5.03         67.34         17.47         150.0         ± 9.6 %           CAB         OFDM, 6 Mbps)         Y         5.37         117.41         31.25         50.0         ± 9.6 %           DAC         Z         16.72         92.33         25.42         50.0         ± 9.6 %           DAC         Y         55.57         110.04         2.942         50.0         ± 9.6 %           DAC         Y         55.57         100.04         2.942         50.0         ± 9.6 %           DAC         Y         55.57         100.									
CAB         Y         1.14         69.56         16.54         160.0           10012- CAB         IEEE 802.11b WIFI 2.4 GHz (DSSS, 1         X         1.36         66.00         16.64         0.41         150.0         ± 9.6 %           CAB         Mpps)         Y         1.31         65.99         16.25         150.0         ± 9.6 %           CAB         Y         1.33         65.14         15.54         150.0         ± 9.6 %           10013-         IEEE 802.11g WIFI 2.4 GHz (DSSS- OFDM, 6 Mpps)         Y         5.03         67.33         17.37         150.0           10021-         GSM-FDD (TDMA, GMSK)         X         30.30         102.62         28.60         9.39         50.0         ± 9.6 %           DAC         Y         85.74         117.41         31.25         50.0         ± 9.6 %           DAC         Y         85.74         117.41         31.25         50.0         ± 9.6 %           DAC         Z         15.58         90.96         27.42         50.0         ± 9.6 %           DAC         Z         15.58         90.96         25.42         50.0         ± 9.6 %           DAC         Y         100.00         116.42 <t< td=""><td>40044</td><td></td><td></td><td></td><td></td><td></td><td>0.00</td><td></td><td></td></t<>	40044						0.00		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		± 9.6 %
10012.         IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps)         X         1.36         66.00         16.64         0.41         150.0         ± 9.6 %           10013- CAB         IEEE 802.11g WIFI 2.4 GHz (DSSS- OFDM, 6 Mbps)         Y         1.31         65.69         16.25         160.0           10013- CAB         IEEE 802.11g WIFI 2.4 GHz (DSSS- OFDM, 6 Mbps)         Y         5.01         67.33         17.37         150.0         ± 9.6 %           CAB         OFDM, 6 Mbps)         Y         5.03         67.33         17.37         150.0         ± 9.6 %           CAB         OFDM, 6 Mbps)         Y         5.03         67.33         17.37         150.0         ± 9.6 %           DAC         Z         5.21         67.28         17.47         150.0         ± 9.6 %           DAC         Y         85.74         117.41         31.25         50.0         ± 9.6 %           DAC         Y         63.57         110.04         29.42         50.0         ± 9.6 %           DAC         Y         53.57         110.04         29.42         50.0         ± 9.6 %           DAC         Y         100.00         116.42         29.08         60.0         ± 9.6 %           DAC <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Y         1.31         65.69         18.25         150.0           10013- CAB         IEEE 802.11g WIF1 2.4 GHz (DSSS- OFDM, 6 Mpps)         X         5.21         67.34         17.59         1.46         150.0         ± 9.6 %           CAB         Y         5.03         67.33         17.37         150.0         ± 9.6 %           CAB         Y         5.03         67.33         17.47         150.0         ± 9.6 %           DO21- DAC         GSM-FDD (TDMA, GMSK)         X         30.30         10262         28.60         9.39         50.0         ± 9.6 %           DAC         Y         85.74         117.41         31.25         50.0         10023-           DAC         Z         16.72         92.33         25.82         50.0         10024-           DAC         Y         53.57         110.04         29.42         50.0         10024-           DAC         Y         100.00         116.42         29.08         60.0         12.6 %           DAC         Y         100.00         116.42         29.08         60.0         12.57         50.0           DAC         Y         14.02         19.37         37.05         50.0         10.00 </td <td>10012- CAB</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.41</td> <td></td> <td>± 9.6 %</td>	10012- CAB						0.41		± 9.6 %
10013- OCAB         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)         X         5.21         67.34         17.59         1.46         150.0         ± 9.6 %           CAB         V         6.03         67.33         17.37         150.0          ± 9.6 %           I0021- DAC         GSM-FDD (TDMA, GMSK)         X         30.30         102.62         28.60         9.39         50.0         ± 9.6 %           I0023- DAC         GPRS-FDD (TDMA, GMSK, TN 0)         X         25.92         99.89         27.85         9.57         50.0         ± 9.6 %           I0023- DAC         GPRS-FDD (TDMA, GMSK, TN 0)         X         25.90         99.89         27.85         9.57         50.0         ± 9.6 %           I0024- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1)         X         100.00         118.72         31.24         6.56         60.0         ± 9.6 %           I0024- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1)         X         100.00         118.47         30.44         65.0         0.0           I0025- DAC         EDGE-FDD (TDMA, 8PSK, TN 0)         X         21.22         110.03         42.06         12.57         50.0         ± 9.6 %           I0026- DAC         Y         14.00         118.47			Y	1.31	65.69	16.25		150.0	
CAB         OFDM, 6 Mbps)         Y         5.03         67.33         17.37         150.0           10021-         GSM-FDD (TDMA, GMSK)         X         30.30         102.62         28.60         9.39         50.0         ± 9.6 %           DAC         Y         85.74         117.41         31.52         50.0         ± 9.6 %           10023-         GPRS-FDD (TDMA, GMSK, TN 0)         X         25.90         99.89         27.85         9.57         50.0         ± 9.6 %           DAC         Y         53.57         110.04         29.42         50.0         ± 9.6 %           DAC         Y         15.58         90.96         25.42         50.0         ± 9.6 %           DAC         Y         100.00         116.42         29.08         60.0         ± 9.6 %           DAC         Y         100.00         116.42         29.08         60.0         ± 9.6 %           DAC         Y         140.71         30.44         60.0         ± 9.6 %           DAC         Y         144.02         98.31         37.05         50.0         ± 9.6 %           DAC         Y         14.02         98.31         37.05         60.0         ± 9.6 %					65.14	15.84		150.0	
Z         5.21         67.28         17.47         150.0           10021- DAC         GSM-FDD (TDMA, GMSK)         X         30.30         102.62         28.60         9.39         50.0         ±9.6 %           10023- DAC         GPRS-FDD (TDMA, GMSK, TN 0)         X         25.90         99.89         27.85         9.57         50.0         ±9.6 %           10024- DAC         GPRS-FDD (TDMA, GMSK, TN 0)         X         25.90         99.89         27.85         9.57         50.0         ±9.6 %           10024- DAC         GPRS-FDD (TDMA, GMSK, TN 0.1)         X         100.00         119.72         31.24         6.56         60.0         ±9.6 %           10024- DAC         GPRS-FDD (TDMA, GMSK, TN 0.1)         X         100.00         118.72         31.24         6.56         60.0         ±9.6 %           10025- DAC         EDGE-FDD (TDMA, 8PSK, TN 0)         X         21.22         110.03         42.06         12.57         50.0         ±9.6 %           10026- DAC         Y         14.02         98.31         37.05         50.0         ±9.6 %           10026- DAC         Y         14.02         98.31         37.14         9.56         60.0         ±9.6 %           10026- DAC	10013- CAB						1.46		± 9.6 %
10021- DAC         GSM-FDD (TDMA, GMSK)         X         30.30         102.62         28.60         9.39         50.0         ± 9.6 %           022- DAC         Z         16.72         92.33         25.82         50.0          50.0         ± 9.6 %           023- DAC         GPRS-FDD (TDMA, GMSK, TN 0)         X         25.90         99.89         27.85         9.57         50.0         ± 9.6 %           042         Y         53.57         110.04         29.42         50.0         ± 9.6 %           0424         GPRS-FDD (TDMA, GMSK, TN 0.1)         X         100.00         119.72         31.24         6.56         60.0         ± 9.6 %           10024- DAC         GPRS-FDD (TDMA, GMSK, TN 0.1)         X         100.00         119.72         31.24         6.56         60.0         ± 9.6 %           04024         EDGE-FDD (TDMA, 8PSK, TN 0)         X         21.22         110.03         42.06         12.57         50.0         ± 9.6 %           DAC         Y         14.02         98.31         37.05         50.0         ± 9.6 %           DAC         Y         14.02         98.31         37.05         50.0         ± 9.6 %           DAC         Y         1									
Y         85.74         117.41         31.25         50.0           2         16.72         92.33         25.82         50.0           DAC         Y         53.57         110.04         29.42         50.0           DAC         Y         53.57         110.04         29.42         50.0           10024-         GPRS-FDD (TDMA, GMSK, TN 0-1)         X         100.00         119.72         31.24         6.56         60.0         ± 9.6 %           10024-         GPRS-FDD (TDMA, GMSK, TN 0-1)         X         100.00         116.42         29.08         60.0         ± 9.6 %           DAC         Y         100.00         116.42         29.08         60.0         ± 9.6 %           DAC         Y         100.00         116.42         29.08         60.0         ± 9.6 %           DAC         Y         140.02         96.31         37.05         50.0         ± 9.6 %           DAC         Z         20.65         107.68         41.04         50.0         ± 9.6 %           DAC         Z         17.09         100.87         34.58         60.0         ± 9.6 %           DAC         Y         17.09         100.87         34.58	10021-	GSM-FDD (TDMA, GMSK)					9.39		±9.6 %
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0/10		Y	85.74	117.41	31.25		50.0	
10023- DAC         GPRS-FDD (TDMA, GMSK, TN 0)         X         25.90         99.89         27.85         9.57         50.0         ± 9.6 %           10024- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1)         X         100.00         119.72         31.24         6.56         60.0         ± 9.6 %           10024- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1)         X         100.00         119.72         31.24         6.56         60.0         ± 9.6 %           10025- DAC         EDGE-FDD (TDMA, 8PSK, TN 0)         X         21.22         110.03         42.06         12.57         50.0         ± 9.6 %           10025- DAC         EDGE-FDD (TDMA, 8PSK, TN 0)         X         21.22         110.03         42.06         12.57         50.0         ± 9.6 %           10026- DAC         EDGE-FDD (TDMA, 8PSK, TN 0-1)         X         22.74         107.18         37.14         9.56         60.0         ± 9.6 %           10026- DAC         EDGE-FDD (TDMA, 6MSK, TN 0-1-2)         X         100.00         118.87         29.89         4.80         80.0         ± 9.6 %           0AC         GPRS-FDD (TDMA, GMSK, TN 0-1-2)         X         100.00         118.87         29.89         4.80         80.0         ± 9.6 %           DAC		· · · · · · · · · · · · · · · · · · ·							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X		99.89	27.85	9.57		±9.6 %
10024- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1)         X         100.00         119.72         31.24         6.56         60.0         ± 9.6 %           0025- DAC         EDGE-FDD (TDMA, 8PSK, TN 0)         X         21.22         110.03         42.06         12.57         50.0         ± 9.6 %           10025- DAC         EDGE-FDD (TDMA, 8PSK, TN 0)         X         21.22         110.03         42.06         12.57         50.0         ± 9.6 %           10026- DAC         EDGE-FDD (TDMA, 8PSK, TN 0)         X         21.22         110.03         42.06         12.57         50.0         ± 9.6 %           10026- DAC         EDGE-FDD (TDMA, 8PSK, TN 0-1)         X         22.74         107.18         37.14         9.56         60.0         ± 9.6 %           10027- DAC         EDGE-FDD (TDMA, 6MSK, TN 0-1-2)         X         100.00         118.87         29.89         4.80         80.0         ± 9.6 %           0AC         Y         100.00         115.45         27.78         80.0         ± 9.6 %           0AC         Y         100.00         118.87         29.31         3.55         100.0         ± 9.6 %           0AC         Y         100.00         119.42         29.31         3.55         1									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		GPRS-FDD (TDMA, GMSK, TN 0-1)					6.56		±9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	DAG		Y	100.00	116.42	29.08		60.0	
10025- DAC         EDGE-FDD (TDMA, 8PSK, TN 0)         X         21.22         110.03         42.06         12.57         50.0         ± 9.6 %           0AC         Y         14.02         98.31         37.05         50.0         50.0           10026- DAC         EDGE-FDD (TDMA, 8PSK, TN 0-1)         X         22.74         107.18         37.14         9.56         60.0         ± 9.6 %           10026- DAC         EDGE-FDD (TDMA, 8PSK, TN 0-1)         X         22.74         107.18         37.14         9.56         60.0         ± 9.6 %           10027- DAC         GPRS-FDD (TDMA, 6MSK, TN 0-1)         X         22.74         100.87         34.58         60.0         10.0         100.87         34.58         60.0         10.0         100.27         GPRS-FDD (TDMA, GMSK, TN 0-1-2)         X         100.00         118.87         29.89         4.80         80.0         ± 9.6 %           0402         GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)         X         100.00         115.45         27.78         80.0         100.0         110.00         100.0         100.0         100.0         100.0         100.0         110.00         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0									
Z         20.65         107.68         41.04         50.0           10026- DAC         EDGE-FDD (TDMA, 8PSK, TN 0-1)         X         22.74         107.18         37.14         9.56         60.0         ± 9.6 %           0027- DAC         Y         17.09         100.87         34.58         60.0         100.0           10027- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1-2)         X         100.00         118.87         29.89         4.80         80.0         ± 9.6 %           10028- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)         X         100.00         115.45         27.78         80.0           10028- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)         X         100.00         119.42         29.31         3.55         100.0         ± 9.6 %           10029- DAC         EDGE-FDD (TDMA, GMSK, TN 0-1-2)         X         100.00         115.85         27.21         100.0         100.0           10029- DAC         Z         103.00         119.09         29.37         100.0         ± 9.6 %           10029- DAC         Z         13.70         94.63         31.63         80.0         ± 9.6 %           10030- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH1)         X         100.00         118.80		EDGE-FDD (TDMA, 8PSK, TN 0)	X	21.22	110.03		12.57		± 9.6 %
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	. ·					<b>.</b>			
DAC         Y         17.09         100.87         34.58         60.0           10027- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1-2)         X         100.00         118.87         29.89         4.80         80.0         ± 9.6 %           DAC         Y         100.00         115.45         27.78         80.0         ± 9.6 %           DAC         Y         100.00         115.45         27.78         80.0         ± 9.6 %           DAC         Y         100.00         115.45         27.78         80.0         ± 9.6 %           DAC         Y         100.00         119.07         30.22         80.0         ± 9.6 %           DAC         Y         100.00         115.85         27.21         100.0         ± 9.6 %           DAC         Y         100.00         115.85         27.21         100.0         ± 9.6 %           DAC         Y         100.00         115.85         27.21         100.0         ± 9.6 %           DAC         Y         100.00         115.85         30.38         80.0         ± 9.6 %           DAC         Y         11.33         91.85         30.38         80.0         ± 9.6 %           DAC         Y<	40000						0.50		10.0.04
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		EDGE-FDD (TDMA, 8PSK, TN 0-1)					9.56		±9.6%
10027- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1-2)         X         100.00         118.87         29.89         4.80         80.0         ± 9.6 %           MAC         Y         100.00         115.45         27.78         80.0         100.00         119.07         30.22         80.0         100.00         119.07         30.22         80.0         100.00         119.07         30.22         80.0         100.0         119.07         30.22         80.0         100.0         19.6 %         100.0         119.07         30.22         80.0         100.0         19.6 %         100.0         119.07         30.22         80.0         100.0         19.6 %         100.0         119.07         30.22         80.0         100.0         19.6 %         100.0         119.07         30.22         80.0         100.0         119.09         29.37         100.0         100.0         100.0         100.0         100.0         100.0         119.09         29.37         100.0         100.0         100.0         100.0         118.05         30.38         80.0         19.6 %         100.0         100.0         118.33         91.85         30.38         80.0         100.0         100.0         118.36         30.01         5.30         70.0									
Image: constraint of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the second system of the sec		GPRS-FDD (TDMA, GMSK, TN 0-1-2)					4.80		± 9.6 %
Z         100.00         119.07         30.22         80.0           10028- DAC         GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)         X         100.00         119.42         29.31         3.55         100.0         ± 9.6 %           DAC         Y         100.00         115.85         27.21         100.0         ± 9.6 %           DAC         Z         100.00         115.85         27.21         100.0         ± 9.6 %           10029- DAC         EDGE-FDD (TDMA, 8PSK, TN 0-1-2)         X         14.97         97.57         32.79         7.80         80.0         ± 9.6 %           DAC         Y         11.33         91.85         30.38         80.0         ± 9.6 %           IO030- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH1)         X         100.00         118.36         30.01         5.30         70.0         ± 9.6 %           I0031- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH3)         X         100.00         114.74         27.76         70.0           I0031- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH3)         X         100.00         121.98         28.84         1.88         100.0         ± 9.6 %			Y	100.00	115.45	27.78		80.0	
DAC         Y         100.00         115.85         27.21         100.0           10029- DAC         EDGE-FDD (TDMA, 8PSK, TN 0-1-2)         X         14.97         97.57         32.79         7.80         80.0         ± 9.6 %           10030- DAC         Y         11.33         91.85         30.38         80.0         ± 9.6 %           10030- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH1)         X         100.00         118.36         30.01         5.30         70.0         ± 9.6 %           10031- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH3)         X         100.00         114.74         27.76         70.0           Y         100.00         114.74         27.76         70.0         ± 9.6 %           Y         100.00         118.80         30.46         70.0         ± 9.6 %           Y         100.00 <td></td> <td></td> <td>Z</td> <td></td> <td>119.07</td> <td>30.22</td> <td></td> <td>80.0</td> <td></td>			Z		119.07	30.22		80.0	
Z         100.00         119.09         29.37         100.0           10029- DAC         EDGE-FDD (TDMA, 8PSK, TN 0-1-2)         X         14.97         97.57         32.79         7.80         80.0         ± 9.6 %           AC         Y         11.33         91.85         30.38         80.0         ±         96 %           I0030- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH1)         X         100.00         118.36         30.01         5.30         70.0         ±         9.6 %           I0031- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH3)         X         100.00         114.74         27.76         70.0           I0031- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH3)         X         100.00         121.98         28.84         1.88         100.0         ± 9.6 %		GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)			E		3.55		± 9.6 %
10029- DAC       EDGE-FDD (TDMA, 8PSK, TN 0-1-2)       X       14.97       97.57       32.79       7.80       80.0       ± 9.6 %         AC       Y       11.33       91.85       30.38       80.0       ±       10020-         Image: DAC       Y       11.33       91.85       30.38       80.0       ±       96 %         Image: DAC       Y       11.33       91.85       30.38       80.0       ±       96 %         Image: DAC       Z       13.70       94.63       31.63       80.0       100.00       118.36       30.01       5.30       70.0       ± 9.6 %         Image: DAC       Y       100.00       114.74       27.76       70.0       100.00       118.80       30.46       70.0       100.00       118.80       30.46       70.0       100.00       121.98       28.84       1.88       100.00       ± 9.6 %         Image: DAC       Y       100.00       121.98       28.84       1.88       100.00       ± 9.6 %         Image: DAC       Y       100.00       117.00       26.24       100.00       100.0							<b> </b>		
DAC       Y       11.33       91.85       30.38       80.0         10030- CAA       IEEE 802.15.1 Bluetooth (GFSK, DH1)       X       100.00       118.36       30.01       5.30       70.0       ± 9.6 %         10031- CAA       Y       100.00       114.74       27.76       70.0       ± 9.6 %         10031- CAA       IEEE 802.15.1 Bluetooth (GFSK, DH3)       X       100.00       118.80       30.46       70.0         10031- CAA       IEEE 802.15.1 Bluetooth (GFSK, DH3)       X       100.00       121.98       28.84       1.88       100.0       ± 9.6 %         10031- CAA       Y       100.00       121.98       28.84       1.00.0       ± 9.6 %	40000						7 00		+0.00
Z         13.70         94.63         31.63         80.0           10030- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH1)         X         100.00         118.36         30.01         5.30         70.0         ± 9.6 %           CAA         Y         100.00         114.74         27.76         70.0         ±         9.6 %           IO031- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH3)         X         100.00         118.80         30.46         70.0           IO031- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH3)         X         100.00         121.98         28.84         1.88         100.0         ± 9.6 %           V         100.00         117.00         26.24         100.0         ±         9.6 %		EUGE-FDD (1DMA, 8PSK, 1N 0-1-2)	ļ		1		1.80		19.0%
10030- CAA       IEEE 802.15.1 Bluetooth (GFSK, DH1)       X       100.00       118.36       30.01       5.30       70.0       ± 9.6 %         Y       100.00       114.74       27.76       70.0       ±       100.00       118.80       30.46       70.0       ±       9.6 %         10031- CAA       IEEE 802.15.1 Bluetooth (GFSK, DH3)       X       100.00       121.98       28.84       1.88       100.0       ±       9.6 %         10031- CAA       IEEE 802.15.1 Bluetooth (GFSK, DH3)       X       100.00       121.98       28.84       1.88       100.0       ±       9.6 %									
Y         100.00         114.74         27.76         70.0           Z         100.00         118.80         30.46         70.0           10031- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH3)         X         100.00         121.98         28.84         1.88         100.0         ± 9.6 %		IEEE 802.15.1 Bluetooth (GFSK, DH1)				1	5.30		± 9.6 %
Z         100.00         118.80         30.46         70.0           10031- CAA         IEEE 802.15.1 Bluetooth (GFSK, DH3)         X         100.00         121.98         28.84         1.88         100.0         ± 9.6 %           V         100.00         117.00         26.24         100.00         100.0			Y	100.00	114.74	27.76		70.0	
CAA         Y         100.00         117.00         26.24         100.0			Z	100.00	118.80	30.46			
		IEEE 802.15.1 Bluetooth (GFSK, DH3)					1.88		± 9.6 %
		-							1

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10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	128.67	30.50	1.17	100.0	± 9.6 %
		Y	100.00	122.90	27.66	<u> </u>	100.0	
		z	100.00	124.38	28.87		100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	24.23	102.94	29.00	5.30	70.0	± 9.6 %
		Y	23.03	100.70	27.25	†	70.0	1
		Z	13.78	92.43	25.72		70.0	
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	11.07	94.32	25.04	1.88	100.0	± 9.6 %
		Y	10.51	92.09	23.22		100.0	
		Z	6.22	84.45	21.59		100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	5.82	86.43	22.33	1.17	100.0	± 9.6 %
		Y	5.46	84.67	20.69		100.0	
40000		Z	3.82	79.09	19.43		100.0	
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	30.87	107.24	30.28	5.30	70.0	± 9.6 %
		<u>Y</u>	31.94	106.09	28.82		70.0	
10037-		Z	15.75	94.83	26.54		70.0	
CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	10.70	93.84	24.85	1.88	100.0	± 9.6 %
		Y	9.44	90.62	22.74		100.0	
40000		Ζ	6.06	84.12	21.44		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	6.09	87.40	22.75	1.17	100.0	± 9.6 %
		Y	5.73	85.66	21.12		100.0	
10039-		Z	3.92	79.69	19.73		100.0	
CAB	CDMA2000 (1xRTT, RC1)	х	2.51	76.10	18.44	0.00	150.0	± 9.6 %
- ·		Y	2.58	77.34	18.13		150.0	
40040		Z	1.93	71.68	16.25		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	×	100.00	118.55	30.95	7.78	50.0	± 9.6 %
		Y	100.00	115.26	28.77		50.0	
10011		Z		101.01	26.83		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	Х	0.01	122.84	6.61	0.00	150.0	± 9.6 %
		Y	0.00	101.52	0.76		150.0	
		Ζ	0.01	121.65	1.51		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	12.97	86.24	25.23	13.80	25.0	± 9.6 %
<u> </u>		Y	16.21	90.42	25.53		25.0	
40040		Ζ	11.00	82.40	24.22		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	16.11	91.33	25.58	10.79	40.0	± 9.6 %
		Y	21.17	95.34	25.70		40.0	
10050		Z	12.51	86.41	24.27		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	×	14.93	90.68	26.04	9.03	50.0	± 9.6 %
		Y	15.30	90.91	25.15		50.0	
40050		Z	12.28	86.39	24.64		50.0	
10058- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	Х	10.77	90.92	29.72	6.55	100.0	± 9.6 %
		Y	8.37	86.08	27.58		100.0	
40050		Ζ	10.19	88.91	28.83		100.0	
10059- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	х	1.56	68.48	17.84	0.61	110.0	±9.6 %
		Y	1.47	67.87	17.29		110.0	
40000		Z	1.52	67.28	16.88		110.0	
10060- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	133.74	34.89	1.30	110.0	± 9.6 %
		Y	100.00	132.17	33.87		110.0	
		Z	100.00	130.92	33.73		110.0	

10061- CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps)	X	16.46	105.21	30.01	2.04	110.0	± 9.6 %
		Y	11.67	99.37	27.84		110.0	
		Z	8.39	92.33	25.80		110.0	
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	Х	4.94	67.14	16.89	0.49	100.0	± 9.6 %
		Y	4.78	67.19	16.74		100.0	
		Z	4.92	67.01	16.73		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.98	67.31	17.04	0.72	100.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.81	67.33	16.86		100.0	
		Z	4.96	67.18	16.88		100.0	
10064- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.32	67.65	17.30	0.86	100.0	± 9.6 %
·		Y	5.11	67.60	17.09		100.0	
40005		Z	5.31	67.54	17.16		100.0	
10065- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	5.22	67.69	17.47	1.21	100.0	± 9.6 %
		Y	5.01	67.59	17.23		100.0	
10000		Z	5.22	67.59	17.34		100.0	
10066- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	5.28	67.82	17.71	1.46	100.0	± 9.6 %
		Y	5.05	67.68	17.43		100.0	
40007		Z	5.28	67.74	17.58		100.0	
10067- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.59	67.95	18.15	2.04	100.0	± 9.6 %
		Y	5.36	67.86	17.87		100.0	
		Z	5.61	67.93	18.06		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	Х	5.74	68.35	18.54	2.55	100.0	± 9.6 %
		Y	5.47	68.07	18.17		100.0	
		Z	5.77	68.35	18.47		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	Х	5.82	68.26	18.71	2.67	100.0	± 9.6 %
		Y	5.55	68.05	18.34		100.0	
		Z	5.85	68.30	18.66		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	Х	5.35	67.58	17.97	1.99	100.0	± 9.6 %
		Y	5.16	67.52	17.72		100.0	
		Z	5.37	67.56	17.88		100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.42	68.17	18.31	2.30	100.0	± 9.6 %
		Y	5.20	68.01	18.01		100.0	
		Z	5.45	68.15	18.22		100.0	
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.56	68.52	18.74	2.83	100.0	± 9.6 %
		Y	5.32	68.31	18.39		100.0	
		Z	5.60	68.54	18.67	[	100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.59	68.60	19.01	3.30	100.0	± 9.6 %
		Y	5.35	68.34	18.61		100.0	1
10055		Z	5.65	68.66	18.95		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.76	69.14	19.54	3.82	90.0	± 9.6 %
		Y	5.46	68.68	19.02		90.0	
		Z	5.83	69.24	19.50		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.75	68.91	19.64	4.15	90.0	±9.6 %
		Y	5.48	68.50	19.14		90.0	
		Z	5.84	69.05	19.63		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.79	69.00	19.75	4.30	90.0	± 9.6 %
		Y	5.52	68.61	19.25		90.0	
		Z	5.89	69.15	19.74		90.0	

10081-	CDMA2000 (1xRTT, RC3)	X	1.18	70.18	15.67	0.00	150.0	± 9.6 %
CAB		<u> </u>						
<u></u>		Y	1.02	69.06	14.35		150.0	ļ
10082-	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-	Z X	0.97 2.27	66.70 64.65	13.60 9.36	4.77	150.0 80.0	± 9.6 %
CAB	DQPSK, Fullrate)	<u> </u>						
		Y	1.70	62.49	7.53		80.0	
10090-	GPRS-FDD (TDMA, GMSK, TN 0-4)	Z	2.45 100.00	65.05	9.86	0.50	80.0	
DAC				119.81	31.30	6.56	60.0	± 9.6 %
		Y Z	100.00 65.88	116.49	29.13	· · ·	60.0	
10097-	UMTS-FDD (HSDPA)	X	1.98	114.04 68.72	30.31 16.60	0.00	60.0 150.0	± 9.6 %
CAB						0.00		I 9.0 %
		Y Z	<u>    1.94    </u> 1.87	68.99 67.43	16.45 15.70		150.0	
10098-	UMTS-FDD (HSUPA, Subtest 2)	X	1.94	68.72	16.59	0.00	150.0 150.0	1069/
CAB		Y	1.94		16.42	0.00		± 9.6 %
		Z	1.83	68.95 67.41			150.0	
10099-	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	22.60	106.99		9.56	150.0 60.0	± 9.6 %
DAC						9.00		19.0 %
		Y	17.07	100.80	34.55		60.0	
10100-	LTE-FDD (SC-FDMA, 100% RB, 20	Z	19.45 3.50	102.29 71.91	35.39 17.47	0.00	60.0	1000
CAC	MHz, QPSK)					0.00	150.0	± 9.6 %
		Y	3.32	71.58	17.29		150.0	
10101-	LTE-FDD (SC-FDMA, 100% RB, 20	Z X	3.29	70.63	16.73	0.00	150.0	
CAC	MHz, 16-QAM)		3.47	68.41	16.46	0.00	150.0	± 9.6 %
		Y	3.33	68.22	16.28		150.0	
10102-		Z	3.39	67.84	16.04		150.0	
CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.56	68.27	16.50	0.00	150.0	± 9.6 %
		Y	3.43	68.17	16.36		150.0	
10103-		Z	3.49	67.75	16.11		150.0	
CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	8.90	78.76	21.58	3.98	65.0	±9.6 %
		Y	8.47	78.68	21.35		65.0	
10101	1 TC TOD (00 CDM4, 4000) DD 60	Z	8.34	77.15	20.86		65.0	
10104- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.80	77.42	21.93	3.98	65.0	±9.6 %
		Y	8.21	76.81	21.41		65.0	
10105		Z	8.69	76.77	21.58		65.0	
10105- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	7.68	74.71	21.04	3.98	65.0	± 9.6 %
		Y	7.62	75.33	21.07		65.0	
10108-		Z	7.87	74.75	20.97		65.0	
CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	3.09	71.08	17.31	0.00	150.0	±9.6 %
		Y	2.90	70.80	17.14		150.0	
10100		Z	2.90	69.83	16.56		150.0	
10109- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	×	3.14	68.25	16.42	0.00	150.0	±9.6 %
		Y	2.99	68.15	16.24		150.0	
10140		Z	3.05	67.61	15.95		150.0	
10110- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.54	70.21	17.07	0.00	150.0	± 9.6 %
		Y	2.36	69.95	16.81		150.0	·
10111		Z	2.39	68.91	16.24		150.0	
10111- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.84	68.87	16.76	0.00	150.0	± 9.6 %
		Y	2.74	69.25	16.71		150.0	<u> </u>
		Z	2.73	68.00	16.14		150.0	1

10112- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.25	68.12	16.42	0.00	150.0	± 9.6 %
		Y	3.11	68.10	16.28		150.0	
		Z	3.17	67.53	15.98		150.0	
10113- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.99	68.87	16.82	0.00	150.0	± 9.6 %
		Y	2.90	69.34	16.82		150.0	
		Z	2.88	68.07	16.24		150.0	
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.29	67.49	16.64	0.00	150.0	± 9.6 %
		Y	5.18	67.60	16.59		150.0	
		Z	5.26	67.32	16.47		150.0	
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.67	67.81	16.80	0.00	150.0	± 9.6 %
		Y	5.49	67.77	16.68		150.0	
		Z	5.63	67.65	16.65		150.0	
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.43	67.78	16.70	0.00	150.0	± 9.6 %
		Y	5.29	67.82	16.63		150.0	
		Z	5.39	67.60	16.54		150.0	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.30	67.53	16.68	0.00	150.0	±9.6 %
		Y	5.15	67.48	16.55		150.0	
		Z	5.27	67.35	16.51		150.0	
10118- CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)	X	5.73	67.95	16.88	0.00	150.0	± 9.6 %
		Y	5.58	67.98	16.80		150.0	
		Z	5.71	67.82	16.74		150.0	
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)	Х	5.40	67.74	16.70	0.00	150.0	± 9.6 %
		Y	5.26	67.75	16.61		150.0	
		Z	5.37	67.56	16.53		150.0	
10140- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.61	68.27	16.43	0.00	150.0	±9.6 %
		Y	3.47	68.16	16.27		150.0	
		Z	3.54	67.76	16.04		150.0	
10141- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.73	68.28	16.55	0.00	150.0	±9.6 %
		Y	3.59	68.25	16.43		150.0	
		Z	3.65	67.79	16.17		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.33	70.29	16.97	0.00	150.0	±9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	2.16	70.21	16.65		150.0	
		Z	2.16	68.78	16.01		150.0	
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.74	69.72	16.76	0.00	150.0	± 9.6 %
		Y	2.67	70.41	16.67		150.0	
		Z	2.59	68.55	15.97		150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.56	67.80	15.39	0.00	150.0	± 9.6 %
		Y	2.37	67.67	14.84		150.0	
		Z	2.45	66.93	14.76		150.0	
10145- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	×	1.73	69.15	15.06	0.00	150.0	± 9.6 %
		Y	1.44	67.55	13.30		150.0	
		Z	1.51	66.84	13.63		150.0	
10146- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	4.00	75.69	17.38	0.00	150.0	± 9.6 %
		Y	2.68	70.09	13.45		150.0	
		Z	3.36	72.93	16.09		150.0	
10147-	LTE-FDD (SC-FDMA, 100% RB, 1.4	X	5.35	79.98	19.20	0.00	150.0	± 9.6 %
	MHz, 64-QAM)							
CAD	MHz, 64-QAM)	Y	3.76	74.33	15.35		150.0	

10140	LTE FOD (00 FOMA FOR OD AN AND			T	<b>—</b>			
10149- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.15	68.30	16.47	0.00	150.0	± 9.6 %
010			0.00	00.00	40.00			
		Y Z	3.00	68.22	16.29		150.0	· · · · · · · · · · · · · · · · · · ·
10150-	1.TE-FDD (SC-FDMA, 50% RB, 20 MHz,	X	3.06	67.66	15.99	0.00	150.0	
CAC	64-QAM)		3.26	68.16	16.46	0.00	150.0	± 9.6 %
		Y	3.12	68.16	16.32		150.0	
		Z	3.18	67.57	16.02		150.0	
10151- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.51	81.17	22.64	3.98	65.0	± 9.6 %
		Y	9.26	81.54	22.52		65.0	
		Z	9.00	79.66	21.96		65.0	
10152- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	8.48	77.76	21.88	3.98	65.0	± 9.6 %
		Y	7.81	76.97	21.19		65.0	
		Z	8.33	76.97	21.46		65.0	
10153- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	8.81	78.38	22.46	3.98	65.0	± 9.6 %
		Y	8.28	78.00	21.97		65.0	
		z	8.64	77.56	22.02		65.0	
10154- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.61	70.67	17.35	0.00	150.0	± 9.6 %
		Y	2.43	70.50	17.14		150.0	
		Ż	2.44	69.28	16.48		150.0	
10155- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.84	68.87	16.77	0.00	150.0	± 9.6 %
·		Y	2.74	69.26	16.73		150.0	
		Z	2.73	68.00	16.15		150.0	l
10156-	LTE-FDD (SC-FDMA, 50% RB, 5 MHz,	X	2.21	70.73	17.05	0.00	150.0	± 9.6 %
CAD	QPSK)					0.00		19.0 %
		Y Z	2.04	70.63	16.63		150.0	
10157- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.02 2.42	68.93 68.64	15.94 15.67	0.00	150.0 150.0	± 9.6 %
UND		Y	0.05	00.50	45.00			
			2.25	68.58	15.08	<u> </u>	150.0	
10158-	LTE-FDD (SC-FDMA, 50% RB, 10 MHz,	Z	2.28	67.47	14.87	0.00	150.0	
CAD	64-QAM)	X	2.99	68.92	16.86	0.00	150.0	±9.6 %
·		Y	2.90	69.42	16.87		150.0	
40450		Z	2.89	68.11	16.28		150.0	
10159- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.54	69.05	15.93	0.00	150.0	± 9.6 %
		Y	2.38	69.17	15.42		150.0	
		Z	2.38	67.83	15.11		150.0	
10160- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	3.02	69.72	16.97	0.00	150.0	± 9.6 %
		Y	2.87	69.64	16.82		150.0	
		Z	2.89	68.80	16.35		150.0	
10161- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.15	68.06	16.41	0.00	150.0	± 9.6 %
		Y	3.02	68.13	16.28		150.0	
		Ζ	3.07	67.45	15.95		150.0	
10162- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.25	68.09	16.46	0.00	150.0	± 9.6 %
		Y	3.13	68.25	16.37		150.0	
·		Z	3.18	67.52	16.02		150.0	· · · · ·
10166- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.03	70.84	19.96	3.01	150.0	±9.6 %
		Y	3.83	71.14	19.84	· · · · ·	150.0	· · · · · · · · · · · · · · · · · · ·
		Z	4.01	70.55	19.74	·	150.0	
10167- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.25	74.55	20.76	3.01	150.0	± 9.6 %
CAD		. E					1	
		Y	5.14	75.60	20.85		150.0	

10168- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.75	76.52	21.89	3.01	150.0	± 9.6 %
		Y	6.00	78.90	22.58		150.0	<u> </u>
· .		Z	5.63	75.85	21.52		150.0	
10169- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.71	72.74	20.84	3.01	150.0	± 9.6 %
		Y	3.37	72.07	20.29		150.0	
		Z	3.67	72.12	20.45		150.0	
10170- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	5.90	81.03	23.83	3.01	150.0	± 9.6 %
		Y	6.20	83.55	24.55		150.0	
		Z	5.54	79.34	23.04		150.0	· · · · · · · · · · · · · · · · · · ·
10171- AAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	Х	4.69	76.04	20.92	3.01	150.0	± 9.6 %
		Y	4.32	75.87	20.46		150.0	
		Z	4.54	75.03	20.42		150.0	
10172- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	39.66	116.21	35.79	6.02	65.0	± 9.6 %
		Y	26.05	109.12	33.27		65.0	
		Z	30.93	110.22	33.96		65.0	
10173- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	Х	52.84	115.80	33.80	6.02	65.0	± 9.6 %
		Y	100.00	126.65	35.61		65.0	
		Z	32.54	106.36	31.18		65.0	
10174- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	36.42	107.54	31.02	6.02	65.0	± 9.6 %
		Y	52.24	113.81	31.84		65.0	
		Z	25.50	100.70	29.05		65.0	
10175- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	Х	3.66	72.37	20.58	3.01	150.0	± 9.6 %
		Y	3.31	71.62	19.97		150.0	
		Z	3.62	71.80	20.21		150.0	
10176- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	5.91	81.06	23.84	3.01	150.0	± 9.6 %
		Y	6.22	83.59	24.56		150.0	
		Z	5.55	79.36	23.05		150.0	
10177- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	Х	3.70	72.55	20.68	3.01	150.0	± 9.6 %
		Y	3.35	71.84	20.10		150.0	
		Z	3.65	71.95	20.31		150.0	
10178- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	Х	5.81	80.70	23.67	3.01	150.0	± 9.6 %
		Y	6.07	83.11	24.35		150.0	
		Z	5.47	79.07	22.91		150.0	
10179- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	5.24	78.36	22.22	3.01	150.0	± 9.6 %
		Y	5.11	79.33	22.28		150.0	
		Z	5.00	77.05	21.59		150.0	
10180- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	Х	4.67	75.92	20.85	3.01	150.0	±9.6 %
	1	Y	4.29	75.73	20.38		150.0	
		Ζ	4.52	74.94	20.36		150.0	
10181- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.69	72.54	20.68	3.01	150.0	± 9.6 %
		Y	3.34	71.81	20.09		150.0	
		Z	3.65	71.94	20.30		150.0	
10182- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	5.80	80.67	23.66	3.01	150.0	± 9.6 %
		Y	6.06	83.07	24.33		150.0	
		Z	5.46	79.04	22.90		150.0	
10183- AAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	4.66	75.89	20.84	3.01	150.0	±9.6 %
		Y	4.28	75.70	20.36		150.0	
		Z	4.51	74.92	20.35		150.0	

10184.         LTE-FD0 (SC-FDMA, 1 RB, 3 MHz, CAD         X         3.70         72.58         20.70         3.01         150.0         ± 9.6 %           CAD         CSK         Y         3.35         71.87         20.12         150.0         ± 9.6 %           10185.         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16- CAD         X         5.83         80.75         23.70         3.01         150.0         ± 9.6 %           0.4M         Y         6.11         83.20         24.39         150.0         ± 9.6 %           0.AM         Y         6.11         75.98         20.48         3.01         150.0         ± 9.6 %           0.AM         Y         4.31         75.80         20.41         150.0         ± 9.6 %           0.AM         Y         4.31         75.80         20.31         150.0         ± 9.6 %           0.AM         Y         4.34         74.39         20.31         150.0         ± 9.6 %           0.AM         Y         4.81         72.03         20.37         150.0         ± 9.6 %           0.AM         TEF-FDD (SC-FDMA, 1 RB, 1.4 MHz, X         5.69         79.85         23.31         150.0         ± 9.6 %           0.AD         16-QAM <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>									
Z         3.66         71.96         20.32         150.0           CAD         GAM         Y         6.11         83.20         23.70         3.01         150.0         ± 9.6 %           CAD         Z         5.49         79.12         22.33         150.0         ± 9.6 %           CAD         Z         5.49         79.12         22.33         150.0         ± 9.6 %           AAD         CAM         Y         4.60         75.99         20.88         3.01         150.0         ± 9.6 %           AAD         CAM         Y         4.31         75.50         20.41         150.0         ± 9.6 %           CAD         CPSR)         Y         4.36         74.93         20.33         150.0         ± 9.6 %           CAD         CPSR)         Y         5.36         79.85         25.01         150.0         ± 9.6 %           CAD         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, X         4.82         76.62         21.19         3.01         150.0         ± 9.6 %           CAD         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, X         4.82         76.62         21.19         3.01         150.0         ± 9.6 %           CAD         LEE-FDD (SC-FDMA, 1 RB, 1.4 MHz, X<	10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.70	72.58	20.70	3.01	150.0	± 9.6 %
Z         3.66         71.96         20.32         150.0           CAD         GAM         Y         6.11         83.20         23.70         3.01         150.0         ± 9.6 %           CAD         Z         5.49         79.12         22.33         150.0         ± 9.6 %           CAD         Z         5.49         79.12         22.33         150.0         ± 9.6 %           AAD         CAM         Y         4.60         75.99         20.88         3.01         150.0         ± 9.6 %           AAD         CAM         Y         4.31         75.50         20.41         150.0         ± 9.6 %           CAD         CPSR)         Y         4.36         74.93         20.33         150.0         ± 9.6 %           CAD         CPSR)         Y         5.36         79.85         25.01         150.0         ± 9.6 %           CAD         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, X         4.82         76.62         21.19         3.01         150.0         ± 9.6 %           CAD         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, X         4.82         76.62         21.19         3.01         150.0         ± 9.6 %           CAD         LEE-FDD (SC-FDMA, 1 RB, 1.4 MHz, X<			Y	3.35	71.87	20.12	1	150.0	
10185.         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16- CAM         X         5.83         80.75         23.70         3.01         150.0         ± 9.6 %           CAD         CAM         Y         6.11         83.20         24.39         150.0           10186         LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- X         X         4.69         75.88         20.88         3.01         150.0         ± 9.6 %           AAD         CAM         Y         4.31         75.80         20.41         150.0         ± 9.6 %           CAD         OPS()         Y         4.31         77.80         20.41         150.0         ± 9.6 %           CAD         OPS()         Y         3.36         71.93         20.19         150.0         ± 9.6 %           CAD         OPS()         Y         3.67         72.63         20.31         150.0         ± 9.6 %           CAD         OPS()         Y         4.51         84.65         26.01         150.0         ± 9.6 %           CAD         GAM)         Y         4.67         76.63         20.81         150.0         ± 9.6 %           CAD         64-GAM)         Y         4.67         76.63         20.84         150.0         10									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							3.01		± 9.6 %
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			Y	6.11	83.20	24.39		150.0	
$      \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$									
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			4 .4				3.01		± 9.6 %
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			TY I	4.31	75.80	20.41		150.0	
10187.         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)         X         3.71         72.62         20.75         3.01         150.0         ± 9.6 %           10188.         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, AD         X         3.67         72.03         20.37         150.0         ± 9.6 %           10188.         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, AD         X         6.08         61.63         24.13         3.01         150.0         ± 9.6 %           10189.         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, AAD         X         4.82         76.52         21.19         3.01         150.0         ± 9.6 %           AD         EEEE 802.11n (HT Greenfield, 6.5 Mbps, CAB         X         4.47         76.53         20.81         150.0         ± 9.6 %           10193.         IEEE 802.11n (HT Greenfield, 6.5 Mbps, CAB         X         4.76         67.22         16.35         10.00         ± 9.6 %           CAB         BPSK)         Y         4.58         67.10         16.36         150.0         ± 9.6 %           CAB         BPSK         Y         4.56         67.30         16.55         0.00         150.0         ± 9.6 %           CAB         BPSK         Y         4.92         67.31         16.46         150.0							·		
CAD         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, I-GAM)         X         6.06         81.63         24.13         3.01         150.0         ± 9.6 %           CAD         I-GAM)         Y         6.51         84.55         25.01         150.0         ± 9.6 %           10189- AAD         CACAM)         Y         6.51         84.55         25.01         150.0         ± 9.6 %           10189- CAB         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, AAD         X         4.82         76.52         21.19         3.01         150.0         ± 9.6 %           10193- CAB         BPSK)         Y         4.47         76.53         20.81         160.0         ± 9.6 %           10193- CAB         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         X         4.72         66.91         16.43         0.00         150.0         ± 9.6 %           10194- CAB         IEEE 802.11n (HT Greenfield, 65 Mbps, CAB         X         4.92         67.10         16.36         150.0         ± 9.6 %           CAB         G4-GAM)         Y         4.76         67.33         16.45         150.0         ± 9.6 %           CAB         G4-CAM)         Y         4.96         67.30         16.55         0.00         150.0         ± 9.6 %							3.01		± 9.6 %
CAD         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, I-GAM)         X         6.06         81.63         24.13         3.01         150.0         ± 9.6 %           CAD         I-GAM)         Y         6.51         84.55         25.01         150.0         ± 9.6 %           10189- AAD         CACAM)         Y         6.51         84.55         25.01         150.0         ± 9.6 %           10189- CAB         LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, AAD         X         4.82         76.52         21.19         3.01         150.0         ± 9.6 %           10193- CAB         BPSK)         Y         4.47         76.53         20.81         160.0         ± 9.6 %           10193- CAB         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         X         4.72         66.91         16.43         0.00         150.0         ± 9.6 %           10194- CAB         IEEE 802.11n (HT Greenfield, 65 Mbps, CAB         X         4.92         67.10         16.36         150.0         ± 9.6 %           CAB         G4-GAM)         Y         4.76         67.33         16.45         150.0         ± 9.6 %           CAB         G4-CAM)         Y         4.96         67.30         16.55         0.00         150.0         ± 9.6 %			Y	3.36	71.93	20.19		150.0	
10188- CAD       LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-GAM)       Y       6.51       84.53       24.13       3.01       150.0       ± 9.6 %         10189- CAD       LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-OAM)       Y       4.87       76.52       21.19       3.01       150.0       ± 9.6 %         10189- CAB       EEEE 802.11n (HT Greenfield, 6.5 Mbps, CAB       Y       4.47       76.53       20.81       150.0       ± 9.6 %         10193- CAB       IEEE 802.11n (HT Greenfield, 6.5 Mbps, CAB       Y       4.58       67.02       16.33       150.0       ± 9.6 %         10194- CAB       IEEE 802.11n (HT Greenfield, 39 Mbps, CAB       Z       4.68       66.73       16.24       150.0       ± 9.6 %         10195- CAB       IEEE 802.11n (HT Greenfield, 65 Mbps, 64-OAM)       Y       4.76       67.35       16.45       150.0       ± 9.6 %         10195- CAB       IEEE 802.11n (HT Mixed, 6.5 Mbps, CAB       Y       4.76       67.37       16.46       150.0       ± 9.6 %         10196- CAB       IEEE 802.11n (HT Mixed, 6.5 Mbps, CAB       X       4.92       67.11       16.35       160.0       150.0       ± 9.6 %         10197- CAB       IEEE 802.11n (HT Mixed, 6.5 Mbps, 16- CAB       Y       4.93       67.31       16.46									
Z         5.69         79.85         23.31         160.0           AAD         Gt-QAM, 1 RB, 1.4 MHz, X         4.82         76.52         21.19         3.01         150.0         ± 9.6 %           AAD         Y         4.47         76.53         20.81         150.0         ± 9.6 %           CAB         BPSK         Z         4.65         75.46         20.66         150.0           10193-         IEEE 802.11n (HT Greenfield, 6.5 Mbps, X         4.72         66.91         16.43         0.00         150.0         ± 9.6 %           CAB         BPSK)         Y         4.58         67.02         16.33         150.0         ± 9.6 %           10194-         IEEE 802.11n (HT Greenfield, 39 Mbps, X         4.92         67.39         16.55         0.00         150.0         ± 9.6 %           CAB         66.21n (HT Greenfield, 65 Mbps, X         4.96         67.30         16.55         0.00         150.0         ± 9.6 %           CAB         BPSK)         Y         4.80         67.37         16.46         150.0         ± 9.6 %           CAB         G4.20AM)         Y         4.90         67.37         16.46         150.0         ± 9.6 %           CAB         BPS							3.01		± 9.6 %
Z         5.69         79.85         23.31         160.0           AAD         Gt-QAM, 1 RB, 1.4 MHz, X         4.82         76.52         21.19         3.01         150.0         ± 9.6 %           AAD         Y         4.47         76.53         20.81         150.0         ± 9.6 %           CAB         BPSK         Z         4.65         75.46         20.66         150.0           10193-         IEEE 802.11n (HT Greenfield, 6.5 Mbps, X         4.72         66.91         16.43         0.00         150.0         ± 9.6 %           CAB         BPSK)         Y         4.58         67.02         16.33         150.0         ± 9.6 %           10194-         IEEE 802.11n (HT Greenfield, 39 Mbps, X         4.92         67.39         16.55         0.00         150.0         ± 9.6 %           CAB         66.21n (HT Greenfield, 65 Mbps, X         4.96         67.30         16.55         0.00         150.0         ± 9.6 %           CAB         BPSK)         Y         4.80         67.37         16.46         150.0         ± 9.6 %           CAB         G4.20AM)         Y         4.90         67.37         16.46         150.0         ± 9.6 %           CAB         BPS			Y	6.51	84.55	25.01		150.0	
10189- AAD       LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)       Y       4.482       76.52       21.19       3.01       150.0       ± 9.6 %         AAD       Y       4.47       76.53       20.81       150.0       150.0         10193- CAB       IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)       X       4.72       66.91       16.43       0.00       150.0       ± 9.6 %         CAB       IEEE 802.11n (HT Greenfield, 39 Mbps, CAB       X       4.92       67.29       16.55       0.00       150.0       ± 9.6 %         CAB       I6-QAM)       Y       4.76       67.35       16.45       150.0       ± 9.6 %         CAB       IEEE 802.11n (HT Greenfield, 65 Mbps, CAB       X       4.92       67.30       16.55       0.00       150.0       ± 9.6 %         CAB       64-QAM)       Y       4.80       67.37       16.46       160.0       160.0       ± 9.6 %         CAB       64-QAM)       Y       4.80       67.31       16.46       150.0       ± 9.6 %         CAB       64-QAM       Y       4.80       67.31       16.46       150.0       ± 9.6 %         CAB       GA-QAM       Y       4.90       67.31       16.46       150.0									
Y         4.47         76.53         20.81         160.0           10193- CAB         IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)         X         4.72         66.91         16.43         0.00         150.0 $\pm 9.6 \%$ 10194- CAB         EEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         Y         4.58         67.02         16.33         150.0 $\pm 9.6 \%$ 10194- CAB         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         Y         4.76         67.35         16.45         150.0 $\pm 9.6 \%$ 10195- CAB         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         Y         4.76         67.30         16.55         0.00         150.0 $\pm 9.6 \%$ 10195- CAB         EEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         Y         4.96         67.37         16.46         150.0 $\pm 9.6 \%$ 10196- CAB         EEE 802.11n (HT Mixed, 6.5 Mbps, CAB         Y         4.90         67.31         16.46         150.0 $\pm 9.6 \%$ 10197- CAB         IEEE 802.11n (HT Mixed, 65 Mbps, 16- QAM)         Y         4.93         67.31         16.46         150.0 $\pm 9.6 \%$ 10198- CAB         QAM)         Y         4.93         67.31         16.36 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>3.01</td><td></td><td>± 9.6 %</td></td<>							3.01		± 9.6 %
Image: CAB         Z         4.65         75.46         20.66         150.0           10193- CAB         BPSK)         Y         4.72         66.91         16.43         0.00         150.0 $\pm 9.6 \%$ 10194- IO194- ICAB         V         4.58         67.02         16.33         150.0 $\pm 9.6 \%$ 10194- ICAB         IEEE 802.11n (HT Greenfield, 39 Mbps, I6-QAM)         Y         4.76         67.35         16.45         150.0 $\pm 9.6 \%$ 10195- CAB         IEEE 802.11n (HT Greenfield, 65 Mbps, G4-QAM)         Y         4.76         67.35         16.45         150.0 $\pm 9.6 \%$ 10195- CAB         IEEE 802.11n (HT Greenfield, 65 Mbps, G4-QAM)         Y         4.76         67.37         16.46         160.0 $\pm 9.6 \%$ 10196- CAB         IEEE 802.11n (HT Mixed, 6.5 Mbps, G4-QAM)         Y         4.80         67.31         16.65         0.00         150.0 $\pm 9.6 \%$ 10196- CAB         IEEE 802.11n (HT Mixed, 6.5 Mbps, G4-QAM)         Y         4.59         67.09         16.35         150.0 $\pm 9.6 \%$ 10197- CAB         GAL         9.6 $\%$ 4.93         67.31         16.66         0.00         150.0 $\pm 9.6 $			Y	4.47	76.53	20.81		150.0	
10193- CAB       IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)       X       4.72       66.91       16.43       0.00       150.0       ± 9.6 %         IO194- CAB       Y       4.58       67.02       16.33       150.0       160.0       150.0       19.6 %         CAB       IEEE 802.11n (HT Greenfield, 39 Mbps, CAB       Y       4.58       67.29       16.55       0.00       150.0       ± 9.6 %         CAB       IEEE 802.11n (HT Greenfield, 65 Mbps, CAB       Y       4.76       67.35       16.45       150.0       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       150.0       16.50       16.50       16.50       150.0       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50       16.50									
Y         4.58         67.02         16.33         150.0           10194- CAB         IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)         Y         4.68         66.73         16.24         150.0         ± 9.6 %           0195- CAB         IEEE 802.11n (HT Greenfield, 65 Mbps, CAB         Y         4.76         67.35         16.55         0.00         150.0         ± 9.6 %           10195- CAB         IEEE 802.11n (HT Greenfield, 65 Mbps, CAB         Y         4.86         67.10         16.35         0.00         150.0         ± 9.6 %           10196- CAB         IEEE 802.11n (HT Mixed, 6.5 Mbps, CAB         Y         4.80         67.37         16.46         150.0           10196- CAB         IEEE 802.11n (HT Mixed, 6.5 Mbps, CAB         Y         4.80         67.31         16.35         150.0         ± 9.6 %           10197- CAB         IEEE 802.11n (HT Mixed, 6.5 Mbps, CAB         Y         4.59         67.31         16.56         0.00         150.0         ± 9.6 %           10197- CAB         IEEE 802.11n (HT Mixed, 65 Mbps, 16- QAM)         Y         4.93         67.31         16.46         150.0         150.0         ± 9.6 %           CAB         QAM)         Y         4.90         67.32         16.56         0.00							0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			TY I	4.58	67.02	16.33		150.0	
10194- CAB       IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)       X       4.92       67.29       16.55       0.00       150.0       ± 9.6 %         10195- CAB       IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)       Y       4.76       67.35       16.45       150.0       ± 9.6 %         10195- CAB       IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)       Y       4.80       67.37       16.46       150.0       ± 9.6 %         10196- CAB       IEEE 802.11n (HT Mixed, 6.5 Mbps, CAB       X       4.92       67.11       16.37       150.0       ± 9.6 %         10196- CAB       IEEE 802.11n (HT Mixed, 6.5 Mbps, CAB       X       4.74       67.09       16.35       150.0       ± 9.6 %         10197- CAB       IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)       X       4.93       67.13       16.85       150.0       ± 9.6 %         10197- CAB       IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)       X       4.93       67.12       16.37       160.0       ± 9.6 %         10198- CAB       IEEE 802.11n (HT Mixed, 7.2 Mbps, QAM)       Y       4.80       67.39       16.46       150.0       ± 9.6 %         10219- CAB       IEEE 802.11n (HT Mixed, 7.2 Mbps, QAM)       X       4.99       67.11       16.38       150.0       ± 9.6 %							· · · · ·		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		± 9.6 %
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			Y	4 76	67.35	16 45		150.0	
10195- CAB       IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)       X       4.96       67.30       16.55       0.00       150.0       ± 9.6 %         10196- CAB       IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       Y       4.80       67.37       16.46       150.0       ± 9.6 %         10196- CAB       IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       X       4.74       67.02       16.47       0.00       150.0       ± 9.6 %         10197- CAB       IEEE 802.11n (HT Mixed, 39 Mbps, 16- CAB       Z       4.70       66.83       16.28       150.0       ± 9.6 %         10197- CAB       IEEE 802.11n (HT Mixed, 39 Mbps, 16- CAB       Z       4.93       67.31       16.56       0.00       150.0       ± 9.6 %         10198- CAB       IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)       Y       4.96       67.32       16.56       0.00       150.0       ± 9.6 %         10219- CAB       IEEE 802.11n (HT Mixed, 7.2 Mbps, CAB       X       4.89       67.04       16.47       150.0       ± 9.6 %         10219- CAB       IEEE 802.11n (HT Mixed, 7.2 Mbps, CAB       X       4.98       67.31       16.38       150.0       ± 9.6 %         10219- CAB       IEEE 802.11n (HT Mixed, 7.2 Mbps, 64- QAM)       Y       4.54       67.11       16.			7						
Y         4.80         67.37         16.46         150.0           I0196- CAB         IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)         X         4.74         67.02         16.47         0.00         150.0         ± 9.6 %           V         4.59         67.09         16.35         150.0         ± 9.6 %           V         4.59         67.09         16.35         150.0         ± 9.6 %           I0197- CAB         IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)         X         4.93         67.31         16.56         0.00         150.0         ± 9.6 %           V         4.77         67.37         16.46         150.0         10197-           IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)         X         4.90         67.12         16.37         150.0         ± 9.6 %           V         4.77         67.39         16.46         150.0         ± 9.6 %           CAB         QAM)         Y         4.80         67.32         16.56         0.00         150.0         ± 9.6 %           CAB         QAM)         Y         4.80         67.33         16.47         150.0         ± 9.6 %           CAB         BPSK)         Y         4.69         67.04         16.47							0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				4.80	67.37	16.46		150.0	
10196- CAB       IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)       X       4.74       67.02       16.47       0.00       150.0 $\pm 9.6$ %         10197- CAB       IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)       Y       4.59       67.09       16.35       150.0         10197- CAB       IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)       X       4.93       67.31       16.66       0.00       150.0 $\pm 9.6$ %         10198- CAB       IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)       Y       4.77       67.37       16.46       150.0 $\pm 9.6$ %         10198- CAB       IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)       Z       4.90       67.32       16.56       0.00       150.0 $\pm 9.6$ %         10219- CAB       IEEE 802.11n (HT Mixed, 7.2 Mbps, CAB       X       4.96       67.39       16.47       150.0 $\pm 9.6$ %         10219- CAB       IEEE 802.11n (HT Mixed, 7.2 Mbps, CAB       X       4.69       67.04       16.44       0.00       150.0 $\pm 9.6$ %         10219- CAB       IEEE 802.11n (HT Mixed, 72.2 Mbps, 16- QAM)       Y       4.54       67.11       16.31       150.0 $\pm 9.6$ %         10220- CAB       IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)       Y       4.77       67.34       16.45 <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		· · · · · · · · · · · · · · · · · · ·							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		±9.6%
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				4 59	67.09	16 35		150.0	
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Y	4.77	67.37	16.46		150.0	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Z		67.12			1 - 4 -	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Y	4.80	67.39	16.47		150.0	<u></u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		±9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Y	4.54	67.11	16.31	· · · ·	150.0	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							·		
Z         4.90         67.11         16.37         150.0           10221- CAB         IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)         X         4.97         67.25         16.55         0.00         150.0         ± 9.6 %           V         4.81         67.32         16.45         150.0         ± 9.6 %           Z         4.93         67.06         16.37         150.0         ± 9.6 %           I0222- CAB         IEEE 802.11n (HT Mixed, 15 Mbps, CAB         X         5.28         67.55         16.68         0.00         150.0         ± 9.6 %           CAB         PSK)         Y         5.13         67.49         16.55         150.0	10220- CAB		+				0.00		±9.6 %
Z         4.90         67.11         16.37         150.0           10221- CAB         IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)         X         4.97         67.25         16.55         0.00         150.0         ± 9.6 %           V         4.81         67.32         16.45         150.0         ± 9.6 %           Z         4.93         67.06         16.37         150.0         ± 9.6 %           I0222- CAB         IEEE 802.11n (HT Mixed, 15 Mbps, CAB         X         5.28         67.55         16.68         0.00         150.0         ± 9.6 %           CAB         PSK)         Y         5.13         67.49         16.55         150.0				4.77	67.34	16.45		150.0	
10221- CAB       IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)       X       4.97       67.25       16.55       0.00       150.0       ± 9.6 %         Y       4.81       67.32       16.45       150.0       ± 9.6 %         Z       4.93       67.06       16.37       150.0         10222- CAB       IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)       X       5.28       67.55       16.68       0.00       150.0       ± 9.6 %         Y       5.13       67.49       16.55       150.0       ± 9.6 %			Z						····
Y         4.81         67.32         16.45         150.0           IO222- CAB         IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)         X         5.28         67.55         16.68         0.00         150.0         ± 9.6 %           Y         5.13         67.49         16.55         150.0         ± 9.6 %					····		0.00		± 9.6 %
Z         4.93         67.06         16.37         150.0           10222- CAB         IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)         X         5.28         67.55         16.68         0.00         150.0         ± 9.6 %           V         5.13         67.49         16.55         150.0         ± 9.6 %			TY 1	4.81	67.32	16.45		150.0	
10222- CAB         IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)         X         5.28         67.55         16.68         0.00         150.0         ± 9.6 %           Y         5.13         67.49         16.55         150.0         ±         150.0         ±         9.6 %									
Y 5.13 67.49 16.55 150.0							0.00	1	± 9.6 %
				5 1 3	67.40	16 55		160.0	
	•								

10223- CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16- QAM)	X	5.67	67.92	16.89	0.00	150.0	± 9.6 %
		Y	5.43	67.67	16.66		150.0	
		Z	5.63	67.75	16.72		150.0	
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64- QAM)	X	5.33	67.64	16.65	0.00	150.0	± 9.6 %
		Y	5.17	67.60	16.53		150.0	
		Z	5.29	67.46	16.47		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	2.99	66.62	15.92	0.00	150.0	± 9.6 %
		Y	2.87	66.77	15.69		150.0	
40000		Z	2.94	66.17	15.53		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	56.85	117.30	34.28	6.02	65.0	± 9.6 %
		Y	100.00	126.89	35.76		65.0	
10227-	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz,	Z	34.18	107.38	31.54		65.0	
CAA	64-QAM)	X	39.67	109.19	31.57	6.02	65.0	± 9.6 %
		Y	88.35	122.59	34.09		65.0	
10228-	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz,	Z	26.95	101.76	29.43	0.02	65.0	
10228- CAA	QPSK)	X	48.41	120.61	37.08	6.02	65.0	± 9.6 %
		Y	45.84	120.16	36.35		65.0	
10229-	TE TOD (SC EDMA 4 DB 2 MUL- 46	Z	31.93	111.39	34.43	0.00	65.0	
CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	52.77	115.76	33.79	6.02	65.0	± 9.6 %
		Y	100.00	126.65	35.62		65.0	
10000		Z	32.55	106.35	31.18		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	37.48	108.07	31.19	6.02	65.0	± 9.6 %
		Y	75.87	119.84	33.34		65.0	
40004		Z	25.90	100.97	29.14		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	45.44	119.21	36.63	6.02	65.0	± 9.6 %
		Y	41.18	117.91	35.67		65.0	
40000		Z	30.52	110.38	34.07		65.0	
10232- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	52.80	115.78	33.80	6.02	65.0	± 9.6 %
		Y .	100.00	126.66	35.62		65.0	l
40000		Z	32.54	106.35	31.18		65.0	
10233- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	37.54	108.11	31.20	6.02	65.0	± 9.6 %
		Y	75.89	119.86	33.34		65.0	
10234- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	Z X	25.92 42.47	100.99 117.63	29.14 36.10	6.02	65.0 65.0	± 9.6 %
51.0		Y	37.31	115.74	34.97	ļ	65.0	
		Z	29.08	109.25	33.65		65.0	
10235- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	53.08	115.89	33.83	6.02	65.0	± 9.6 %
		Y	100.00	126.67	35.62		65.0	
	-	z	32.64	106.42	31.20		65.0	
10236- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	37.96	108.28	31.24	6.02	65.0	± 9.6 %
		Y	77.12	120.09	33.39		65.0	
		Z	26.14	101.12	29.18		65.0	
10237- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	46.10	119.52	36.72	6.02	65.0	± 9.6 %
		Y	41.64	118.15	35.73		65.0	
		Z	30.82	110.60	34.14		65.0	
10238- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	52.89	115.82	33.81	6.02	65.0	± 9.6 %
		Y	100.00	126.66	35.62		65.0	1
		Z	32.55	106.37	31.18	1	65.0	1

10239- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	37.59	108.15	31.21	6.02	65.0	± 9.6 %
		Y	75.87	119.87	33.34		65.0	ł
		Z	25.93	101.02	29.15		65.0	
10240- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	45.90	119.44	36.69	6.02	65.0	± 9.6 %
		Y	41.47	118.08	35.71		65.0	
		Z	30.71	110.54	34.12		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	13.10	88.25	28.31	6.98	65.0	± 9.6 %
		Y	12.64	88.66	27.87		65.0	
		Z	13.02	87.59	27.99		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	Х	11.52	85.34	27.10	6.98	65.0	± 9.6 %
		Y	10.36	84.46	26.20		65.0	
		Z	12.32	86.33	27.43		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	9.39	82.67	26.96	6.98	65.0	± 9.6 %
		Y	7.89	80.01	25.32		65.0	· · ·
		Z	10.15	83.98	27.43		65.0	1
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	10.37	82.39	22.15	3.98	65.0	±9.6 %
		Y	9.21	80.31	20.18		65.0	
		Z	9.60	80.54	21.38		65.0	
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	10.20	81.86	21.90	3.98	65.0	± 9.6 %
		Y	8.91	79.56	19.85		65.0	
		Z	9.50	80.13	21.18		65.0	1
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	10.29	85.01	23.02	3.98	65.0	± 9.6 %
		Y	9.28	83.44	21.56		65.0	
		Z	8.83	81.79	21.72		65.0	
10247- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	8.11	78.82	21.25	3.98	65.0	±9.6 %
		Y	7.33	77.58	19.99		65.0	· · · ·
		Z	7.71	77.37	20.55		65.0	
10248- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	8.09	78.31	21.04	3.98	65.0	± 9.6 %
		Y	7.21	76.86	19.68		65.0	
		Z	7.75	77.03	20.41		65.0	
10249- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	11.01	86.29	24.03	3.98	65.0	±9.6 %
		Y	10.81	86.39	23.39		65.0	
		Z	9.54	83.16	22.78		65.0	
10250- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	Х	8.83	80.24	22.94	3.98	65.0	± 9.6 %
		Y	8.38	80.07	22.43		65.0	
		Z	8.48	78.94	22.29		65.0	
10251- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	8.37	78.15	21.84	3.98	65.0	± 9.6 %
		Y	7.73	77.46	21.06		65.0	
		Z	8.17	77.24	21.36		65.0	
10252- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	10.43	84.63	24.00	3.98	65.0	± 9.6 %
		Y	10.38	85.34	23.87		65.0	
1007-		Z	9.48	82.30	23.02		65.0	
10253- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	Х	8.24	77.12	21.67	3.98	65.0	± 9.6 %
		Y	7.62	76.41	20.97		65.0	
	· ······	Z	8.12	76.42	21.28		65.0	
10254- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.59	77.78	22.22	3.98	65.0	±9.6 %
		Y	8.06	77.36	21.67	·	65.0	

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10255- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	9.19	80.79	22.74	3.98	65.0	± 9.6 %
		Y	8.89	81.04	22.54		65.0	1
		Z	8.75	79.38	22.09		65.0	1
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	9.46	80.54	20.72	3.98	65.0	± 9.6 %
		Y	7.26	76.12	17.61		65.0	
		Z	8.73	78.73	19.97		65.0	· · · · · · · · · · · · · · · · · · ·
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	9.23	79.78	20.35	3.98	65.0	± 9.6 %
		Y	6.96	75.17	17.14		65.0	
		Ż	8.59	78.13	19.66		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	x	9.10	82.63	21.62	3.98	65.0	± 9.6 %
		Ŷ	7.16	78.79	19.11		65.0	
		Z	7.85	79.60	20.38		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	8.39	79.27	21.82	3.98	65.0	± 9.6 %
		Y	7.73	78.47	20.85		65.0	
		Z	8.02	77.92	21.16		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	8.39	78.99	21.73	3.98	65.0	± 9.6 %
		Y	7.70	78.11	20.72		65.0	t
		Z	8.05	77.71	21.09		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	x	10.34	84.95	23.83	3.98	65.0	± 9.6 %
		Y	10.04	85.03	23.28		65.0	1
		Z	9.23	82.32	22.74		65.0	
10262- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.82	80.21	22.91	3.98	65.0	±9.6 %
		Y	8.36	80.01	22.38		65.0	
		Z	8.47	78.91	22.26		65.0	
10263- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	x	8.36	78.15	21.85	3.98	65.0	± 9.6 %
		Y	7.72	77.44	21.06		65.0	
		Z	8.17	77.23	21.37		65.0	
10264- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	10.37	84.50	23.93	3.98	65.0	± 9.6 %
		Y	10.27	85.13	23.77		65.0	
		Ż	9.43	82.19	22.96		65.0	
10265- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	x	8.48	77.76	21.88	3.98	65.0	± 9.6 %
		Y	7.81	76.97	21.20		65.0	
		Z	8.32	76.97	21.47		65.0	1
10266- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	8.81	78.38	22.45	3.98	65.0	± 9.6 %
		Y	8.27	77.98	21.97		65.0	
		Z	8.64	77.56	22.02		65.0	
10267- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	9.50	81.14	22.63	3.98	65.0	± 9.6 %
		Y	9.25	81.50	22.50		65.0	
		Z	8.99	79.63	21.95		65.0	
10268- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.86	77.06	21.92	3.98	65.0	± 9.6 %
		Y	8.31	76.56	21.43		65.0	
		Z	8.78	76.48	21.59		65.0	
10269- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	Х	8.77	76.63	21.82	3.98	65.0	± 9.6 %
		Y	8.23	76.12	21.32		65.0	
		Z	8.71	76.12	21.52		65.0	
10270- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	8.91	78.30	21.65	3.98	65.0	± 9.6 %
		Y	8.57	78.39	21.47	1	65.0	1

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10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.73	66.93	15.81	0.00	150.0	± 9.6 %
		Y	2.66	67.19	15.64		150.0	
		Z	2.67	66.38	15.35		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.85	69.82	16.81	0.00	150.0	± 9.6 %
		Y	1.73	69.48	16.43		150.0	
		Ζ	1.70	68.07	15.69		150.0	
10277- CAA	PHS (QPSK)	X	5.86	70.53	14.71	9.03	50.0	± 9.6 %
		Y	4.40	66.90	11.75		50.0	
		Ζ	6.19	70.94	15.24		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	10.27	82.27	21.99	9.03	50.0	± 9.6 %
		Y	7.88	77.57	18.90		50.0	
10279-		Z	9.35	79.97	21.25		50.0	
CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	10.47	82.49	22.08	9.03	50.0	± 9.6 %
		Y	8.00	77.73	18.99		50.0	
10290-	CDMA2000 PC4 SOFE Full Date	Z	9.52	80.18	21.35		50.0	
AAB	CDMA2000, RC1, SO55, Full Rate	X	2.00	72.56	16.71	0.00	150.0	± 9.6 %
		Y	1.81	72.10	15.72	ļ	150.0	
10291-	CDM42000 DC2 COSS 5-11 D-4-	Z	1.64	69.27	14.92		150.0	
AAB	CDMA2000, RC3, SO55, Full Rate	X	1.15	69.82	15.49	0.00	150.0	±9.6%
		Y	0.99	68.71	14.17		150.0	
40000		Z	0.95	66.46	13.46		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	1.59	75.79	18.53	0.00	150.0	±9.6 %
		Y	1.63	76.74	18.06		150.0	
		Z	1.13	69.78	15.46		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	2.45	82.81	21.72	0.00	150.0	± 9.6 %
		Y	4.29	91.48	23.73		150.0	
		Z	1.46	73.68	17.64		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	11.26	85.50	25.18	9.03	50.0	± 9.6 %
		Y	11.00	85.02	23.98		50.0	
		Z	10.64	83.52	24.39		50.0	
10297- AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	3.10	71.18	17.38	0.00	150.0	±9.6 %
		Y	2.91	70.92	17.21		150.0	
40000		Z	2.91	69.91	16.61		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	2.01	70.53	16.33	0.00	150.0	± 9.6 %
		Y	1.80	70.02	15.42		150.0	
		Z	1.78	68.34	15.01		150.0	
10299- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	4.29	76.33	18.36	0.00	150.0	±9.6 %
		Y	3.82	74.61	16.37		150.0	
4000		Z	3.76	74.04	17.28		150.0	
10300- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	3.03	70.18	15.03	0.00	150.0	±9.6 %
		Y	2.35	67.31	12.44		150.0	
1000		Z	2.84	69.06	14.39		150.0	
10301- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	5.75	68.04	18.85	4.17	80.0	±9.6 %
		Y	5.34	67.59	18.38		80.0	
		Ζ	6.02	68.99	19.26		80.0	
10302- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	Х	6.35	69.28	19.97	4.96	80.0	± 9.6 %
	······································	Y	5.77	67.89	18.92		80.0	
-		Z	6.57	69.95	20.23	·	80.0	

10303- AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	6.22	69.45	20.09	4.96	80.0	±9.6 %
		Y	5.58	67.78	18.88		80.0	
· ····		z	6.47	70.23	20.40		80.0	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
10304- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.82	68.59	19.17	4.17	80.0	± 9.6 %
		Y	5.30	67.36	18.23		80.0	
		Z	6.00	69.14	19.36		80.0	
10305- AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	7.58	77.08	24.20	6.02	50.0	± 9.6 %
		Y	6.71	75.99	23.36		50.0	
		Z	8.94	80.39	25.44		50.0	
10306- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	6.74	72.69	22.39	6.02	50.0	± 9.6 %
		Y	6.02	71.61	21.57		50.0	
10207		Z	7.38	74.60	23.18		50.0	
10307- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	6.88	73.57	22.61	6.02	50.0	± 9.6 %
		Y	6.12	72.48	21.82		50.0	
10209		Z	7.63	75.68	23.46		50.0	
10308- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	6.95	74.06	22.85	6.02	50.0	± 9.6 %
		Y	6.19	73.01	22.10		50.0	
10309-	IEEE 802.16e WIMAX (29:18, 10ms,	Z	7.77	76.32	23.75	0.00	50.0	1000
AAA	10MHz, 16QAM, AMC 2x3, 18 symbols)	X	6.88	73.08	22.59	6.02	50.0	± 9.6 %
		Y	5.75	69.67	20.38		50.0	
10010		Z	7.54	75.02	23.39		50.0	
10310- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	6.76	72.98	22.43	6.02	50.0	± 9.6 %
		Y	6.05	71.97	21.66		50.0	
10011		Z	7.45	74.97	23.24		50.0	
10311- AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.46	70.38	16.96	0.00	150.0	±9.6 %
	-	Y	3.29	70.15	16.82		150.0	
40040		Z	3.26	69.20	16.26		150.0	
10313- AAA	IDEN 1:3	X	8.57	80.77	19.81	6.99	70.0	± 9.6 %
		Y	7.42	78.97	18.59		70.0	
40044		Z	7.51	78.37	19.04	(0.00	70.0	
10314- AAA	iDEN 1:6	X	11.07	87.09	24.45	10.00	30.0	± 9.6 %
		Y	12.16	89.30	24.68		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	Z X	8.76 1.21	82.33 65.47	22.85 16.38	0.17	30.0 150.0	± 9.6 %
		Y	1.17	65.32	16.10		150.0	
		Z	1.18	64.56	15.52		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.82	67.11	16.64	0.17	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.66	67.15	16.49		150.0	
		Z	4.80	66.95	16.46	1	150.0	
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.82	67.11	16.64	0.17	150.0	± 9.6 %
		Y	4.66	67.15	16.49		150.0	
		Z	4.80	66.95	16.46		150.0	
10400- AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.93	67.37	16.55	0.00	150.0	±9.6 %
		Y	4.75	67.39	16.43		150.0	
		Z	4.90	67.18	16.37		150.0	
10401- AAC	IEEE 802.11ac WIFI (40MHz, 64-QAM, 99pc duty cycle)	X	5.56	67.43	16.63	0.00	150.0	± 9.6 %
		Y	5.44	67.54	16.57		150.0	
		Z	5.53	67.31	16.49	i	150.0	

Y         5.70         67.79         16.60         150.0           10403- AAB         CDMA2000 (1xEV-DO, Rev. 0)         X         2.00         72.68         16.71         0.00         115.0         2.9.6           10404- AAB         CDMA2000 (1xEV-DO, Rev. A)         X         2.00         72.68         16.71         0.00         115.0         2.9.6           10404- AAB         CDMA2000 (1xEV-DO, Rev. A)         X         2.00         72.68         16.71         0.00         115.0           10406- CDMA2000, RC3, SO32, SCH0, Fuil         X         1.84         69.27         14.92         1115.0           10406- Rate         Y         1.84         69.27         14.92         115.0           10406- CDMA2000, RC3, SO32, SCH0, Fuil         X         100.00         127.12         32.45         0.00         100.0           10410- UTE-TDD (SC-FDMA, 1 RB, 10 MHz, AAB         Y         100.00         117.44         31.29         32.0         80.0         2         100.00         121.44         31.28         80.0         2         60.0         150.0         2         60.0         160.0         150.0         150.0         150.0         2         60.0         160.0         160.0         150.0         150.0	10402- AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.86	67.95	16.72	0.00	150.0	± 9.6 %
10403. AAB         CDMA2000 (1xEV-DO, Rev. 0)         X         2.00         72.56         16.71         0.00         115.0         ± 9.6           10403. AAB         Y         1.81         72.10         15.72         115.0         ± 9.6           10404. AAB         CDMA2000 (1xEV-DO, Rev. A)         X         2.00         72.56         16.71         0.00         115.0         ± 9.6           AAB         CDMA2000, RC3, SO32, SCH0, Full         X         1.81         72.10         15.72         32.45         0.00         115.0         ± 9.6           AAB         Rate         Y         1.81         72.11         32.25         0.00         100.0         ± 9.6           AAB         Rate         Y         100.00         124.11         32.05         100.0         ± 9.6           AAB         OPSK, UL Subframe-23.47.8,8)         Y         100.00         124.11         32.05         0.0         ± 9.6           AAA         Mps, 9ap. duty cycle)         Y         100.00         124.14         29.02         80.0         ± 9.6           10415         IEEE 802.116 WiFi 2.4 GHz (DSSS, 1         X         1.05         63.34         15.45         0.00         150.0         ± 9.6 <tr< td=""><td></td><td></td><td>+ ~</td><td>E 70</td><td>67.00</td><td>40.50</td><td></td><td>450 -</td><td></td></tr<>			+ ~	E 70	67.00	40.50		450 -	
10403.         CDMA2000 (1xEV-DO, Rev. 0)         X         2.00         72.56         16.71         0.00         115.0         ± 9.6           AAB         Y         1.81         72.10         16.72         116.0         116.0           10404         CDMA2000 (1xEV-DO, Rev. A)         X         2.00         72.56         16.71         0.00         115.0         ± 9.6           AAB         Y         1.81         72.10         16.72         115.0         ± 9.6           10406         CDMA2000, RC3, SO32, SCH0, Full         X         100.00         121.21         32.45         0.00         100.0           AAB         Y         100.00         121.42         31.29         3.23         80.0         ± 9.6           10410-         LTE-TDD (SC-FDMA, 1 RB, 10 MHz,         X         100.00         121.42         31.29         3.23         80.0         ± 9.6           AAB         V         100.00         121.42         31.29         3.23         80.0         ± 9.6           AAB         1.05         63.83         15.26         150.0         ± 9.6           AAB         Mbps, 9.9p duty cycle)         Y         4.58         67.06         16.39         150.0									
AAB         Fill         Los         Fill         F	10403.								
10404. AAB         CDMA2000 (1xEV-D0, Rov. A)         X         2.00         72.56         16.71         0.00         115.0         ± 9.8           10404. AAB         CDMA2000, RC3, SO32, SCH0, Full         X         1.84         69.27         14.92         115.0         ± 9.6           CDMA2000, RC3, SO32, SCH0, Full         X         100.00         125.12         32.43         0.00         100.0         ± 9.6           AAB         Rate         Y         100.00         124.11         32.05         100.0         ± 9.6           10410         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB         X         100.00         118.14         29.02         80.0         ± 9.6           10415         IEEE 802.11b WiF12.4 GHz (DSSS, 1         X         100.00         118.14         29.02         80.0         ± 9.6           AAA         Mps, 99pc duty cycle)         Y         1.03         63.36         15.26         150.0         ± 9.6           AAA         Mps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           AAA         Mps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           AAA         Mps, 99pc		CDIWA2000 (TXEV-DO, Rev. 0)					0.00		± 9.6 %
10404. AAB         CDMA2000 (1xEV-D0, Rev. A)         X         2.00         72.56         16.71         0.00         115.0         ± 9.8           AAB         Y         1.81         72.10         15.72         116.0         116.0           COMA2000, RC3, 8032, SCH0, Full         X         100.00         125.12         32.45         0.00         100.0         ± 9.6           AAB         Rate         Y         100.00         125.12         32.45         0.00         100.0         ± 9.6           AAB         QPSK, ULSubframe=2,3.47,8,9)         Y         100.00         121.42         31.28         3.23         80.0         ± 9.6           AAB         QPSK, ULSubframe=2,3.47,8,9)         Y         100.00         116.14         29.02         80.0         ± 9.6           AAA         Mpps, 9pp duty cycle)         Y         1.03         63.38         15.26         150.0         ± 9.6           AAA         Mpps, 9pp duty cycle)         Y         4.58         67.06         16.47         0.00         150.0         ± 9.6           AAA         Mpps, 9pp duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           AAA         Mpps, 9pp duty									
AAB         Mathematical and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	10404							115.0	
Id406- AAB         CDMA2000, RC3, SO32, SCH0, Full         X         106.00         125.12         32.45         0.00         115.0           AAB         Rate         Y         100.00         117.90         28.49         100.0         ± 9.6           10410- AAB         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB         Y         100.00         121.41         33.20         80.0         ± 9.6           AAB         OSK, UL Subframe=2,3.4,7.8,9)         Y         100.00         118.14         29.02         80.0           10415-         IEEE 802.110 WiFi 2.4 GHz (DSSS, 1         X         1.05         63.84         15.45         0.00         150.0         ± 9.6           AAA         Mbps, 99pe duty cycle)         Y         1.03         63.83         15.26         150.0         ± 9.6           AAA         OFDM, 6 Mbps, 99pc duty cycle)         Y         4.72         66.95         16.47         0.00         150.0         ± 9.6           AAA         OFDM, 6 Mbps, 99pc duty cycle, Long         Y         4.58         67.06         16.39         150.0         ± 9.6           AAA         OFDM, 6 Mbps, 99pc duty cycle, Long         Y         4.58         67.06         16.47         0.00         150.0         ± 9.6		CDMA2000 (1XEV-DO, Rev. A)					0.00		± 9.6 %
10406- AAB         CDMA2000, RC3, SO32, SCH0, Full         X         100.00         125.12         32.45         0.00         100.0         ± 9.6           AAB         Rate         Y         100.00         124.11         32.05         100.0         19.6           10410- AAB         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe-2,3,4,7,6,9)         Y         100.00         118.14         29.02         80.0         ± 9.6           10415- GAAB         QPSK, UL Subframe-2,3,4,7,6,9)         Y         100.00         118.14         29.02         80.0         ± 9.6           10415- GAAA         Mbps, 99pc duty cycle)         Y         1.03         63.84         15.26         150.0         ± 9.6           10416- GAAA         Mbps, 99pc duty cycle)         Y         4.72         66.95         16.47         0.00         150.0         ± 9.6           10417- AAA         GFDM, 6 Mbps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           10417- AAA         GFDM, 6 Mbps, 99pc duty cycle, Long         Y         4.58         67.06         16.39         150.0         ± 9.6           10418- GAA         GFDM, 6 Mbps, 99pc duty cycle, Long         Y         4.57         67.73         16.48 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
AAB         Rate         Y         100.00         117.90         28.49         100.00         100.00         123.5           10410- AAB         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AAB         X         100.00         121.42         31.29         3.23         80.0         ± 9.6           0410- AAB         OPSK, UL, Subframe=2,3,4,7,8,9)         Y         100.00         121.42         31.29         3.23         80.0         ± 9.6           10415-         IEEE 802.11b WiFi 2.4 GHz (DSSS, 1         X         1.05         63.84         15.45         0.00         150.0         ± 9.6           AAA         Mbps, 99pc duty cycle)         Y         1.03         63.83         15.26         150.0         ± 9.6           AAA         Mbps, 99pc duty cycle)         Y         1.03         63.06         14.44         150.0         ± 9.6           AAA         OFDM, 6 Mbps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           AAA         OFDM, 6 Mbps, 99pc duty cycle, Long         Y         4.58         67.06         16.39         150.0         ± 9.6           AAA         Mbps, 99pc duty cycle, Long         Y         4.57         66.95         16.41         150.0	10406								
10410- AAB         LTE-TDD (SC-FDMA, 1 RB, 10 MHz, OPSK, UL Subframe=2,3,4,7,8,9)         Y         100.00         121,42         31.29         3.23         80.0         ± 9.6           10415- AAB         OPSK, UL Subframe=2,3,4,7,8,9)         Y         100.00         121,42         31.29         3.23         80.0         ± 9.6           10415- AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 AAA         X         1.05         63.84         15.45         0.00         150.0         ± 9.6           10416- AAA         IEEE 802.11g WiFi 2.4 GHz (ERP- CFDM, 6 Mbps, 99pc duty cycle)         Y         1.03         63.83         15.26         150.0         ± 9.6           10417- IO417- IEEE 802.11a ft WiFi 2.4 GHz (OFDM, 6         X         4.72         66.95         16.47         0.00         150.0         ± 9.6           10418- AAA         IEEE 802.11g WiFi 2.4 GHz (OFDM, 6         X         4.72         66.95         16.47         0.00         150.0         ± 9.6           10417- IO417-         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)         Y         4.58         67.06         16.39         150.0         ± 9.6           10419- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.57         67.23         16.41         150.0         ± 9.6							0.00		± 9.6 %
10410- AAB         LTE-TD (SC-FDMA, 1 RB, 10 MHz, AAB         X         100.00         121.42         31.29         3.23         80.0         ± 9.6           10415- AAA         PSK, UL, Subframe=2,3,4,7,8,9)         Y         100.00         118.14         29.02         80.0           10415- AAA         IEEE 802.11b WiFi 2.4 GHz (DSSS, 1         X         1.05         63.84         15.46         0.00         150.0         ± 9.6           0416- AAA         Mbps, 99pc duty cycle)         Y         1.03         63.83         15.26         150.0         ± 9.6           0416- AAA         IEEE 802.11g WiFi 2.4 GHz (ERP- V         X         4.72         66.95         16.47         0.00         150.0         ± 9.6           0417- AAA         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6         X         4.72         66.95         16.47         0.00         150.0         ± 9.6           10417- MAA         Mbps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           10418- AAA         Mbps, 99pc duty cycle, Long preambule)         Y         4.58         67.06         16.41         150.0         ± 9.6           10418- AAA         IEEE 802.11g WiF12.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y	·								
AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         100.00         118,14         29,02         80.0           10415-         IEEE 802.11b WiFi 2.4 GHz (DSSS, 1         X         1.005         63.84         15.45         0.00         150.0         \$9.0           10416-         IEEE 802.11g WiFi 2.4 GHz (ERP-         Z         1.03         63.83         15.26         150.0         \$9.0           10416-         IEEE 802.11g WiFi 2.4 GHz (ERP-         Z         1.03         63.84         15.46         150.0         \$9.0           10417-         IEEE 802.11g WiFi 2.4 GHz (ERP-         Z         4.72         66.95         16.47         0.00         150.0         \$9.6           10417-         IEEE 802.11g WiFi 2.4 GHz (CFDM, 6         X         4.72         66.95         16.47         0.00         150.0         \$9.6           10417-         IEEE 802.11g WiFi 2.4 GHz (DSSS-         X         4.71         67.09         16.48         0.00         150.0         \$9.6           10418-         IEEE 802.11g WiFi 2.4 GHz (DSSS-         X         4.71         67.09         16.48         0.00         150.0         \$9.6           10418-         IEEE 802.11g WiFi 2.4 GHz (DSSS-         X         4.71         67.23 <t< td=""><td>10110</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	10110								
IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)         X         1.05         63.84         15.26         80.0           10416- AAA         HEEE 802.11g WiFi 2.4 GHz (DSSS, 1 AAA         Y         1.03         63.83         15.26         150.0         ± 9.6           10416- AAA         IEEE 802.11g WiFi 2.4 GHz (ERP- AAA         Y         1.03         63.06         14.64         150.0         ± 9.6           AAA         OFDM, 6 Mbps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           10417- AAA         GEDM, 6 Mbps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           10417- IO417- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- AA         X         4.72         66.95         16.47         0.00         150.0         ± 9.6           AAA         Mbps, 99pc duty cycle, Long preambule)         Y         4.58         67.06         16.39         150.0         ± 9.6           AAA         OFDM, 6 Mbps, 99pc duty cycle, Long preambule)         Y         4.57         67.23         16.41         150.0         ± 9.6           AAA         OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.57         67.33         16.41         1							3.23	80.0	± 9.6 %
10415- AAA       IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)       X       1.05       63.84       15.45       0.00       150.0       ± 9.6         10416- AAA       IEEE 802.11g WIFI 2.4 GHz (ERP- Z       Z       1.03       63.06       14.64       150.0       ± 9.6         AAA       OFDM, 6 Mbps, 99pc duty cycle)       Y       4.58       67.06       16.39       150.0       ± 9.6         10417- AAA       IEEE 802.11a/n WIFI 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)       Y       4.58       67.06       16.39       150.0       ± 9.6         10417- AAA       IEEE 802.11a/n WIFI 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)       Y       4.58       67.06       16.39       150.0       ± 9.6         10418- AAA       IEEE 802.11g WIFI 2.4 GHz (DSSS- CFDM, 6 Mbps, 99pc duty cycle, Long preambule)       Y       4.57       67.23       16.41       150.0       ± 9.6         10419- AAA       IEEE 802.11g WIFI 2.4 GHz (DSSS- CFDM, 6 Mbps, 99pc duty cycle, Short preambule)       Y       4.59       67.17       16.41       150.0       ± 9.6         10422- AAA       IEEE 802.11n (HT Greenfield, 7.2 Mbps, AAA       Y       4.59       67.17       16.41       150.0       ± 9.6         10422- AAA       IEEE 802.11n (HT Greenfield, 7.2 Mbps, AAA       Y       4.86								80.0	
AAA         Mbps, 99pc duty cycle)         Y         1.03         63.83         15.26         150.0           10416- AAA         IEEE 802.11g WiFi 2.4 GHz (ERP- AAA         Y         1.03         63.06         14.64         150.0           10416- AAA         OFDM, 6 Mbps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0           10417- IO417- IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 AAA         Y         4.58         67.06         16.39         150.0           10417- AAA         IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 AAA         X         4.72         66.95         16.47         0.00         150.0         ±9.6           10418- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)         Y         4.58         67.06         16.39         150.0         ±9.6           10418- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)         Y         4.57         67.23         16.41         150.0         ±9.6           10419- DeFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.59         67.17         16.41         150.0         ±9.6           10422- BPSK)         K         4.86         67.05         16.50         0.00         150.0         ±9.6	10.11-							80.0	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)					0.00	150.0	±9.6 %
10416- AAA         IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)         X         4.72         66.95         16.47         0.00         150.0         ± 9.6           AAA         OFDM, 6 Mbps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           Id417-         IEEE 802.11a/n WiFi 5 GHz (OFDM, 6         X         4.72         66.95         16.47         0.00         150.0         ± 9.6           AAA         Mbps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           AAA         Mbps, 99pc duty cycle, Long preambule)         Y         4.58         67.06         16.39         150.0         ± 9.6           10418-         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)         Y         4.57         67.23         16.41         150.0         ± 9.6           10419-         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.57         67.05         16.49         0.00         150.0         ± 9.6           10422-         IEEE 802.11n (HT Greenfield, 7.2 Mbps, X         4.86         67.05         16.50         0.00         150.0         ± 9.6           AAA         B						15.26		150.0	
10416- AAA       IEEE 802.11g WiFi 2.4 GHz (ERP- CFDM, 6 Mbps, 99pc duty cycle)       X       4.72       66.95       16.47       0.00       150.0       ± 9.6         10417- AAA       IEEE 802.11a/h WiFi 5 GHz (OFDM, 6       X       4.72       66.95       16.47       0.00       150.0       ± 9.6         AAA       Mbps, 99pc duty cycle)       Y       4.58       67.06       16.39       150.0       ± 9.6         AAA       Mbps, 99pc duty cycle)       Y       4.58       67.06       16.39       150.0       ± 9.6         AAA       Mbps, 99pc duty cycle, Iong preambule)       Z       4.69       66.77       16.29       150.0       ± 9.6         10418-       IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)       Y       4.57       67.23       16.41       150.0       ± 9.6         10419-       IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)       Y       4.57       67.05       16.49       0.00       150.0       ± 9.6         10419-       IEEE 802.11n (HT Greenfield, 7.2 Mbps, X       4.86       67.05       16.50       0.00       150.0       ± 9.6         10422-       IEEE 802.11n (HT Greenfield, 7.2 Mbps, X       4.86       67.45       16.64       0.00	10.00								
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$					66.95	16.47	0.00	150.0	± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				4.58	67.06	16.39		150.0	
10417- AAA         IEEE 802.111a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)         X         4.72         66.95         16.47         0.00         150.0         ± 9.6           AAA         Mbps, 99pc duty cycle)         Y         4.58         67.06         16.39         150.0         ± 9.6           IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)         Y         4.57         67.09         16.48         0.00         150.0         ± 9.6           IO419- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.57         67.03         16.41         150.0         ± 9.6           IO419- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.59         67.17         16.41         150.0         ± 9.6           IO422- BEEE 802.11n (HT Greenfield, 7.2 Mbps, AAA         Y         4.86         67.05         16.64         0.00         150.0         ± 9.6           IO422- AAA         IEEE 802.11n (HT Greenfield, 43.3         X         5.07         67.45         16.64         0.00         150.0         ± 9.6           IO423- AAA         IEEE 802.11n (HT Greenfield, 43.3         X         5.07         67.45         16.64         0.00         150.0				4.69	66.77	16.29			
Z         4.69         66.77         16.29         150.0           10418- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)         X         4.71         67.09         16.48         0.00         150.0         ± 9.6           10419- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.67         66.90         16.28         150.0         ± 9.6           10422- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.69         67.05         16.49         0.00         150.0         ± 9.6           10422- AAA         IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)         X         4.86         67.05         16.50         0.00         150.0         ± 9.6           10422- AAA         IEEE 802.11n (HT Greenfield, 43.3         X         5.07         67.45         16.64         0.00         150.0         ± 9.6           10423- AAA         IEEE 802.11n (HT Greenfield, 43.3         X         5.07         67.45         16.64         0.00         150.0         ± 9.6           10424- AAA         IEEE 802.11n (HT Greenfield, 72.2         X         4.97         67.38         16.61         0.00         150.0         ± 9.6		IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.72	66.95	16.47	0.00		± 9.6 %
Z         4.69         66.77         16.29         150.0           10418- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)         X         4.71         67.09         16.48         0.00         150.0         ± 9.6           10419- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.57         67.23         16.41         150.0         150.0         ± 9.6           10419- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         X         4.73         67.05         16.49         0.00         150.0         ± 9.6           10422- AAA         IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)         X         4.86         67.05         16.50         0.00         150.0         ± 9.6           10422- AAA         IEEE 802.11n (HT Greenfield, 43.3         X         5.07         67.45         16.64         0.00         150.0         ± 9.6           10423- AAA         IEEE 802.11n (HT Greenfield, 43.3         X         5.07         67.45         16.64         0.00         150.0         ± 9.6           10423- AAA         IEEE 802.11n (HT Greenfield, 72.2         X         4.97         67.38         16.61         0.00         150.0         ± 9.6			Y	4.58	67.06	16.39		150.0	
10418- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)         X         4.71         67.09         16.48         0.00         150.0         ± 9.6           10419- IO419- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.57         67.23         16.41         150.0         ± 9.6           AAA         DFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.59         67.17         16.41         150.0         ± 9.6           10422- AAA         IEEE 802.11n (HT Greenfield, 7.2 Mbps, AAA         X         4.70         66.86         16.30         150.0         ± 9.6           10422- AAA         IEEE 802.11n (HT Greenfield, 7.2 Mbps, AAA         X         4.86         67.05         16.60         0.00         150.0         ± 9.6           10423- AAA         IEEE 802.11n (HT Greenfield, 43.3         X         5.07         67.45         16.64         0.00         150.0         ± 9.6           10423- AAA         IEEE 802.11n (HT Greenfield, 43.3         X         5.07         67.45         16.64         0.00         150.0         ± 9.6           10424- AAA         Mbps, 64-QAM)         Y         4.88         67.49         16.53         150.0         ± 9.6			Z	4.69					
Image: Constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the		OFDM, 6 Mbps, 99pc duty cycle, Long					0.00		± 9.6 %
Z         4.67         66.90         16.28         150.0           10419- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- preambule)         X         4.73         67.05         16.49         0.00         150.0         ± 9.6           AAA         OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         Y         4.59         67.17         16.41         150.0         ± 9.6           10422- AAA         IEEE 802.11n (HT Greenfield, 7.2 Mbps, AAA         X         4.86         67.05         16.50         0.00         150.0         ± 9.6           10422- BESK)         Y         4.71         67.16         16.42         150.0         ± 9.6           AAA         BPSK)         Y         4.71         67.16         16.42         150.0         ± 9.6           10423- AAA         IEEE 802.11n (HT Greenfield, 43.3         X         5.07         67.45         16.64         0.00         150.0         ± 9.6           10423- AAA         Mbps, 16-QAM)         Y         4.88         67.49         16.53         150.0         ± 9.6           10424- AAA         Mbps, 64-QAM)         Y         4.80         67.44         16.61         0.00         150.0         ± 9.6           10424- AAA         Mbps, 64-QAM)         <			Y	4.57	67.23	16.41		150.0	
10419- AAA         IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)         X         4.73         67.05         16.49         0.00         150.0         ± 9.6           10422- AAA         Y         4.59         67.17         16.41         150.0         150.0         16.00         150.0         10422-           10422- BPSK)         IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)         X         4.86         67.05         16.50         0.00         150.0         ± 9.6           10423- AAA         BPSK)         Y         4.71         67.16         16.42         150.0         ± 9.6           10423- AAA         BEE 802.11n (HT Greenfield, 43.3 AAA         X         5.07         67.45         16.64         0.00         150.0         ± 9.6           10423- AAA         Mbps, 16-QAM)         Y         4.88         67.49         16.53         150.0         ± 9.6           10424- AAA         Mbps, 64-QAM)         Y         4.88         67.49         16.61         0.00         150.0         ± 9.6           10424- AAA         Mbps, 64-QAM)         Y         4.80         67.44         16.61         0.00         150.0         ± 9.6           10425- AAA         BPSK)         Y         5			Z	4.67					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		OFDM, 6 Mbps, 99pc duty cycle, Short	x	4.73			0.00		± 9.6 %
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			Y	4.59	67.17	16.41		150.0	
10422- AAA         IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)         X         4.86         67.05         16.50         0.00         150.0         ± 9.6           AAA         BPSK)         Y         4.71         67.16         16.42         150.0         ± 9.6           IEEE 802.11n (HT Greenfield, 43.3         X         5.07         67.45         16.64         0.00         150.0         ± 9.6           AAA         Mbps, 16-QAM)         Y         4.88         67.49         16.53         150.0         ± 9.6           AAA         Mbps, 16-QAM)         Y         4.88         67.49         16.53         150.0         ± 9.6           10424-         IEEE 802.11n (HT Greenfield, 72.2         X         4.97         67.38         16.61         0.00         150.0         ± 9.6           AAA         Mbps, 64-QAM)         Y         4.80         67.44         16.51         150.0         ± 9.6           AAA         Mbps, 64-QAM)         Y         4.80         67.44         16.51         150.0         ± 9.6           AAA         BPSK)         Y         5.40         67.74         16.67         0.00         150.0         ± 9.6           AAA         BPSK)         Y			Z						··· · · · ·
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		IEEE 802.11n (HT Greenlield, 7.2 Mbps, BPSK)	Х				0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			Y	4.71	67.16	16.42		150.0	
10423- AAA       IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)       X $5.07$ $67.45$ $16.64$ $0.00$ $150.0$ $\pm 9.6$ Y       4.88 $67.49$ $16.53$ $150.0$ $\pm 9.6$ Z       5.03 $67.26$ $16.46$ $150.0$ $\pm 9.6$ 10424- AAA       IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)       X $4.97$ $67.38$ $16.61$ $0.00$ $150.0$ $\pm 9.6$ AAA       Mbps, 64-QAM)       Y $4.80$ $67.44$ $16.51$ $150.0$ $\pm 9.6$ AAA       Mbps, 64-QAM)       Y $4.80$ $67.44$ $16.51$ $150.0$ $\pm 9.6$ 10425- AAA       IEEE 802.11n (HT Greenfield, 15 Mbps, AAA       X $5.55$ $67.72$ $16.76$ $0.00$ $150.0$ $\pm 9.6$ 10425- AAA       IEEE 802.11n (HT Greenfield, 90 Mbps, AAA       X $5.56$ $67.74$ $16.67$ $150.0$ $\pm 9.6$ 10426- AAA       IEEE 802.11n (HT Greenfield, 90 Mbps, AAA $X$ $5.56$ $67.76$ $16.77$ $0.00$ $150.0$ $\pm 9.6$									<u> </u>
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			TY	4.88	67.49	16,53		150.0	· · "
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		±9.6 %
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			Y	4.80	67.44	16.51		150.0	
10425- AAA       IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)       X       5.55       67.72       16.76       0.00       150.0       ± 9.6         Y       5.40       67.74       16.67       150.0       ± 9.6         Z       5.52       67.56       16.60       150.0         10426- AAA       IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)       X       5.56       67.76       16.77       0.00       150.0       ± 9.6									
Z         5.52         67.56         16.60         150.0           10426- AAA         IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)         X         5.56         67.76         16.77         0.00         150.0         ± 9.6							0.00		± 9.6 %
Z         5.52         67.56         16.60         150.0           10426- AAA         IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)         X         5.56         67.76         16.77         0.00         150.0         ± 9.6			Y	5.40	67.74	16.67		150.0	· · · · · ·
10426- AAA         IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)         X         5.56         67.76         16.77         0.00         150.0         ± 9.6							<u> </u>		·······
Y 5.41 67.76 16.67 150.0							0.00		± 9.6 %
			Υ I	5 4 1	67 76	16.67		150.0	
Z 5.53 67.59 16.61 150.0							·		

10427- AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.58	67.76	16.77	0.00	150.0	± 9.6 %
		Y	5.42	67.74	16.66		150.0	
		Ζ	5.55	67.59	16.61		150.0	
10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.39	70.34	18.26	0.00	150.0	± 9.6 %
		Y	4.45	71.92	18.77		150.0	
		Z	4.28	69.73	17.80		150.0	
10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.47	67.55	16.57	0.00	150.0	± 9.6 %
		Y	4.28	67.68	16.44		150.0	
		Ζ	4.42	67.30	16.33		150.0	
10432- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.75	67.43	16.59	0.00	150.0	± 9.6 %
		Y	4.57	67.51	16.47		150.0	
		Z	4.71	67.22	16.38		150.0	
10433- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	×	4.99	67.43	16.63	0.00	150.0	± 9.6 %
····		Y	4.82	67.48	16.53		150.0	
		Z	4.95	67.24	16.45		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.48	71.07	18.26	0.00	150.0	± 9.6 %
· · · · · -		Y	4.62	73.01	18.85		150.0	
		Z	4.34	70.35	17.75		150.0	
10435- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	121.26	31.21	3.23	80.0	± 9.6 %
		Y	100.00	117.94	28.93		80.0	
		Z	100.00	120.94	31.19		80.0	
10447- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.79	67.68	16.16	0.00	150.0	± 9.6 %
		Y	3.59	67.83	15.87		150.0	
		Z	3.72	67.28	15.81		150.0	
10448- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.28	67.32	16.43	0.00	150.0	± 9.6 %
		Y	4.12	67.46	16.30		150.0	
		Z	4.23	67.06	16.18		150.0	
10449- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.53	67.25	16.49	0.00	150.0	± 9.6 %
		Y	4.38	67.35	16.38		150.0	1
		Z	4.49	67.03	16.27		150.0	
10450- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.71	67.18	16.49	0.00	150.0	± 9.6 %
		Y	4.57	67.25	16.39		150.0	
		Z	4.68	66.98	16.29		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.73	68.01	15.94	0.00	150.0	± 9.6 %
		Y	3.50	68.08	15.53		150.0	
		Z	3.65	67.53	15.55		150.0	
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.41	68.33	16.92	0.00	150.0	± 9.6 %
		Y	6.26	68.26	16.79		150.0	1
		Z	6.38	68.19	16.79		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	×	3.89	65.58	16.22	0.00	150.0	± 9.6 %
		Y	3.82	65.69	16.10		150.0	
		Z	3.87	65.41	16.01		150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.54	67.26	15.47	0.00	150.0	± 9.6 %
		Y	3.31	67.35	14.92		150.0	ļ
		Z	3.47	66.87	15.11		150.0	L
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.64	65.34	16.09	0.00	150.0	± 9.6 %
		Y	4.30	65.17	15.60		150.0	
		Z	4.52	64.85	15.72	1	150.0	

10460- AAA	UMTS-FDD (WCDMA, AMR)	X	1.11	71.80	18.35	0.00	150.0	± 9.6 %
,,,,,,		Ŷ	1.02	70.94	17.72		150.0	
		Z	0.94	68.21	16.13		<u>150.0</u> 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	125.25	33.13	3.29	80.0	± 9.6 %
		Y	100.00	123.29	31.43		80.0	
10.100		<u>Z</u>	100.00	123.80	32.59		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	111.09	26.31	3.23	80.0	± 9.6 %
		Y Z	100.00	103.84	22.21		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00 100.00	110.71 108.22	26.28 24.94	3.23	80.0 80.0	± 9.6 %
		Y	4.72	73.15	13.51		80.0	
		Z	72.14	104.46	24.20		80.0	
10464- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.51	32.16	3.23	80.0	± 9.6 %
		Y	100.00	120.82	30.14		80.0	
40405		Z	100.00	122.14	31.67		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	110.62	26.08	3.23	80.0	± 9.6 %
		Y	27.97	91.21	19.17		80.0	
10466-		Z	100.00	110.30	26.07		80.0	
AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.77	24.72	3.23	80.0	± 9.6 %
		Y	3.48	70.24	12.45		80.0	
10467- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Z X	39.27 100.00	97.36 123.71	22.41 32.25	3.23	80.0 80.0	± 9.6 %
		Y	100.00	121.09	30.25		80.0	
•••		Z	100.00	122.32	31.75		80.0	· · · · · · · · · · · · · · · · · · ·
10468- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.77	26.14	3.23	80.0	±9.6 %
		Y	40.47	94.85	20.08		80.0	· · · · · · · · · · · · · · · · · · ·
		Z	100.00	110.43	26.13		80.0	
10469- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.78	24.72	3.23	80.0	± 9.6 %
·		Y	3.50	70.33	12.47		80.0	
		Z	40.62	97.74	22.51		80.0	
10470- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.74	32.26	3.23	80.0	± 9.6 %
		Y	100.00	121.11	30.26		80.0	
10471-		Z	100.00	122.35	31.76		80.0	. <u> </u>
AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.72	26.12	3.23	80.0	± 9.6 %
··· ··		Y Z	38.79 100.00	94.39	19.96		80.0	
10472- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	<u>110.39</u> 107.74	<u>26.11</u> 24.69	3.23	80.0 80.0	± 9.6 %
		Y	3.46	70.20	12.41		80.0	
		Z	40.93	97.80	22.51		80.0	
10473- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	123.71	32.25	3.23	80.0	±9.6 %
		Y	100.00	121.07	30.24		80.0	
10474- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Z X	100.00 100.00	122.32 110.73	31.75 26.12	3.23	80.0 80.0	± 9.6 %
		Y	37.59	94.10	19.89		00.0	<u> </u>
	······	Z	100.00	110.40	26.11		80.0	
10475- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.75	26.11 24.70	3.23	80.0 80.0	± 9.6 %
AAB	1 QAM, UL OUDII di 16-2.0.4.7.0.31							
ААВ		Ŷ	3.43	70.14	12.40		80.0	

10477- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.58	26.05	3.23	80.0	± 9.6 %
		Y	28.26	91.26	19.16		80.0	
		Ż	100.00	110.26	26.05	• ••	80.0	
10478- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.71	24.68	3.23	80.0	± 9.6 %
		Y	3.38	69.99	12.33		80.0	
		Z	39.53	97.39	22.40		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	16.61	96.96	27.34	3.23	80.0	± 9.6 %
		Y	32.48	106.45	28.76		80.0	·····
		Z	11.40	90.02	25.04		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	20.13	94.40	24.94	3.23	80.0	±9.6 %
		Y	34.21	99.63	24.79		80.0	
		Ζ	12.99	87.40	22.71		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	17.26	91.33	23.70	3.23	80.0	± 9.6 %
		Y	20.52	91.89	22.28		80.0	
		Z	11.58	85.08	21.67		80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.19	82.36	21.43	2.23	80.0	± 9.6 %
		Y	6.22	80.40	19.88		80.0	
10100		Ζ	5.41	77.39	19.43	L	80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	10.36	84.69	22.14	2.23	80.0	± 9.6 %
		Y	9.30	82.35	20.02		80.0	
		Ζ	8.11	80.45	20.55		80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	9.50	83.16	21.63	2.23	80.0	± 9.6 %
		Y	8.10	80.30	19.34		80.0	
		Z	7.64	79.37	20.17		80.0	
10485- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.05	82.24	22.03	2.23	80.0	± 9.6 %
		Y	6.34	81.22	21.08		80.0	
		Z	5.64	78.03	20.28		80.0	
10486- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.27	74.77	19.00	2.23	80.0	±9.6 %
		Y	4.82	74.06	18.02		80.0	
		Z	4.76	72.67	17.96		80.0	
10487- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.20	74.21	18.78	2.23	80.0	±9.6 %
		Y	4.72	73.41	17.75		80.0	
		Z	4.74	72.26	17.79		80.0	
10488- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	6.49	79.45	21.44	2.23	80.0	±9.6 %
		Y	5.74	78.36	20.74		80.0	
		Z	5.67	76.65	20.18		80.0	
10489- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.12	73.18	19.22	2.23	80.0	± 9.6 %
		Y	4.72	72.73	18.67		80.0	ļi
		Z	4.87	71.89	18.50		80.0	
10490- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.15	72.75	19.07	2.23	80.0	±9.6 %
		Y	4.76	72.36	18.54		80.0	ļ
10101		Z	4.93	71.59	18.41		80.0	
10491- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.99	76.19	20.30	2.23	80.0	± 9.6 %
		Y	5.39	75.34	19.75		80.0	
1010-		Z	5.53	74.37	19.41		80.0	
10492- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.26	71.76	18.85	2.23	80.0	± 9.6 %
		Y	4.86	71.30	18.38		80.0	
		Z	5.11	70.90	18.33		80.0	

10493- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.30	71.51	18.76	2.23	80.0	± 9.6 %
		Y	4.91	71.07	18.30		80.0	1
		Z	5.17	70.71	18.27		80.0	
10494- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.84	78.43	20.95	2.23	80.0	± 9.6 %
		Y	6.08	77.35	20.35		80.0	· · · · · ·
		Z	6.10	76.07	19.88		80.0	
10495- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.38	72.41	19.10	2.23	80.0	± 9.6 %
		Y	4.95	71.82	18.61		80.0	
		Z	5.20	71.44	18.53		80.0	· · · · · ·
10496- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.39	71.89	18.93	2.23	80.0	± 9.6 %
		Y	4.98	71.37	18.47		80.0	
		Z	5.24	71.04	18.41		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.97	79.48	19.78	2.23	80.0	± 9.6 %
		Y	4.38	75.06	17.02		80.0	
		Z	4.42	74.52	17.73	·	80.0	1
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.17	71.56	15.92	2.23	80.0	± 9.6 %
		Y	2.60	65.94	12.29		80.0	1
		Z	3.55	68.95	14.65	·	80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.06	70.87	15.52	2.23	80.0	± 9.6 %
		Y	2.47	65.10	11.77		80.0	1
		Z	3.49	68.43	14.31		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.49	80.29	21.53	2.23	80.0	± 9.6 %
		Y	5.83	79.38	20.74		80.0	
		Z	5.49	76.96	20.08		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.17	73.94	19.00	2.23	80.0	±9.6 %
		Y	4.77	73.47	18.24		80.0	
		Ζ	4.79	72.25	18.12		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.19	73.61	18.84	2.23	80.0	± 9.6 %
		Ý	4.79	73.16	18.07		80.0	
		Z	4.83	72.02	17.99		80.0	
10503- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.41	79.23	21.35	2.23	80.0	± 9.6 %
		Y	5.64	78.08	20.63		80.0	
		Z	5.60	76.47	20.11		80.0	
10504- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.09	73.10	19.17	2.23	80.0	± 9.6 %
<u>.</u>		Y	4.69	72.61	18.60		80.0	
(		Z	4.85	71.82	18.46		80.0	
10505- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.13	72.66	19.02	2,23	80.0	± 9.6 %
		Y	4.73	72.25	18.47		80.0	
10555		Z	4.91	71.52	18.36		80.0	
10506- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.78	78.28	20.88	2.23	80.0	± 9.6 %
		Y	6.01	77.16	20.27		80.0	
		Z	6.06	75.95	19.82		80.0	
10507- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.36	72.35	19.07	2.23	80.0	± 9.6 %
		Y	4.93	71.74	18.57		80.0	

10508- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.37	71.83	18.89	2.23	80.0	± 9.6 %
		Y	4.96	71.29	18.42		00.0	
		ź	5.23	70.98	18.38		80.0 80.0	
10509- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.48	75.49	19.83	2.23	80.0	± 9.6 %
		Ŷ	5.91	74.73	19.37		80.0	
		z	6.04	73.93	19.06		80.0	
10510- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.74	71.59	18.80	2.23	80.0	±9.6 %
		Y	5.32	71.00	18.37		80.0	
		Z	5.62	70.87	18.36		80.0	
10511- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.74	71.18	18.68	2.23	80.0	± 9.6 %
		Y	5.33	70.64	18.26		80.0	
		Z	5.63	70.53	18.27		80.0	
10512- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.25	77.99	20.61	2.23	80.0	± 9.6 %
<u> </u>		Y	6.50	76.91	20.04		80.0	
10510		Z	6.53	75.84	19.64		80.0	
10513- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.72	72.19	19.03	2.23	80.0	± 9.6 %
		Y	5.25	71.45	18.54		80.0	
10511		Z	5.56	71.34	18.53	_	80.0	
10514- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.63	71.53	18.83	2.23	80.0	± 9.6 %
		Y	5.21	70.89	18.37		80.0	
		Z	5.51	70.80	18.38		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	1.02	64.11	15.57	0.00	150.0	±9.6 %
<u> </u>		Y	1.00	64.07	15.36		150.0	
40540		Z	0.99	63.25	14.70		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.98	79.68	22.01	0.00	150.0	± 9.6 %
		Y	0.77	75.78	20.20		150.0	
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	Z X	0.64 0.91	70.56 67.05	17.22 16.78	0.00	150.0 150.0	± 9.6 %
MM	wops, sope duty cycle)		0.97	66.64	16.37		450.0	
		Y Z	0.87 0.85	66.61 65.23	15.33		150.0 150.0	
10518- AAA	IEEE 802.11a/n WIFI 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.72	67.03	16.46	0.00	150.0	± 9.6 %
		Y	4.58	67.14	16.37		150.0	
		Z	4.68	66.84	16.27		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.94	67.33	16.60	0.00	150.0	± 9.6 %
		Y	4.77	67.38	16.49		150.0	
10505		Z	4.90	67.14	16.41		150.0	
10520- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.79	67.32	16.53	0.00	150.0	± 9.6 %
		Y	4.62	67.35	16.42		150.0	
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	Z X	4.75 4.72	67.11 67.33	16.33 16.52	0.00	150.0 150.0	± 9.6 %
		Y	4.55	67.35	16.41		150.0	
		Z	4.68	67.35	16.32		150.0	
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.76	67.29	16.55	0.00	150.0	± 9.6 %
		Y	4.61	67.43	16.49		150.0	
		Z	4.73	67.10	16.35		150.0	

10523- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.64	67.20	16.41	0.00	150.0	± 9.6 %
		Y	4,49	07.04	40.04		450.0	
		Z		67.31	16.34		150.0	
10524-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54	X	4.60	66.98	16.20	- 0.00	150.0	
AAA	Mbps, 99pc duty cycle)			67.26	16.54	0.00	150.0	± 9.6 %
		Y	4.55	67.35	16.45		150.0	
40505		Z	4.68	67.06	16.34		150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.67	66.28	16.12	0.00	150.0	± 9.6 %
		Y	4.54	66.41	16.05		150.0	
40500		Z	4.64	66.07	15.92		150.0	
10526- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.88	66.69	16.27	0.00	150.0	± 9.6 %
		Y	4.71	66.78	16.19		150.0	
1000		Z	4.84	66.48	16.07		150.0	
10527- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.79	66.67	16.23	0.00	150.0	±9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.64	66.75	16.14		150.0	
		Z	4.75	66.45	16.02	1	150.0	
10528- AAA	IEEE 802.11ac WIFI (20MHz, MCS3, 99pc duty cycle)	X	4.81	66.69	16.26	0.00	150.0	± 9.6 %
		Y	4.65	66.76	16.17		150.0	
		Z	4.77	66.47	16.05		150.0	
10529- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.81	66.69	16.26	0.00	150.0	± 9.6 %
		Y	4.65	66.76	16.17		150.0	
		Z	4.77	66.47	16.05		150.0	
10531- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.83	66.85	16.29	0.00	150.0	± 9.6 %
		Y	4.65	66.88	16.19		150.0	
		Z	4.78	66.62	16.08		150.0	
10532- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.68	66.72	16.24	0.00	150.0	±9.6 %
		Y	4.51	66.74	16.13	·	150.0	<u> </u>
		z	4.63	66.47	16.02		150.0	
10533- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.83	66.71	16.24	0.00	150.0	± 9.6 %
		Y	4.66	66.81	16.16		150.0	
		Z	4.78	66.49	16.03		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.33	66.83	16.29	0.00	150.0	± 9.6 %
		Y	5.18	66.84	16.20		150.0	
		Z	5.29	66.64	16.12		150.0	
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.40	66.97	16.35	0.00	150.0	±9.6 %
		Y	5.25	67.01	16.28		150.0	
		Z	5.36	66.78	16.17		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.27	66.97	16.34	0.00	150.0	± 9.6 %
		Y	5.12	66.97	16.25	·····	150.0	
		Z	5.23	66.76	16.15		150.0	
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.33	66.94	16.32	0.00	150.0	± 9.6 %
		Y	5.18	66.94	16.23		150.0	·
		Z	5.29	66.75	16.14		150.0	
10538- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.45	67.02	16.40	0.00	150.0	± 9.6 %
		Y	5.27	66.95	16.28	·	150.0	
		Z	5.41	66.83	16.23	·	150.0	· · · · · · · · · · · · · · · · · · ·
10540- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.35	66.96	16.39	0.00	150.0	± 9.6 %
AAA								
AAA		Y	5.20	66.97	16.30		150.0	

10541- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.33	66.87	16.34	0.00	150.0	± 9.6 %
		Y	5.17	66.84	16.23		150.0	
		Z	5.29	66.67	16.16		150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.48	66.90	16.37	0.00	150.0	± 9.6 %
		Ŷ	5.32	66.90	16.27		150.0	
		Z	5.44	66.72	16.20		150.0	
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.56	66.90	16.38	0.00	150.0	± 9.6 %
		Y	5.40	66.93	16.30		150.0	
		Z	5.52	66.73	16.22		150.0	
10544- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.60	66.92	16.27	0.00	150.0	± 9.6 %
		Y	5.49	66.94	16.19		150.0	
		Z	5.57	66.75	16.10		150.0	
10545- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.82	67.35	16.42	0.00	150.0	± 9.6 %
		Υ	5.68	67.35	16.34		150.0	
		Z	5.79	67.18	16.26		150.0	
10546- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.71	67.23	16.38	0.00	150.0	± 9.6 %
		Y	5.56	67.16	16.26		150.0	
		Z	5.67	67.04	16.21		150.0	
10547- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.79	67.29	16.40	0.00	150.0	± 9.6 %
		Y	5.63	67.19	16.27		150.0	
		Z	5.75	67.11	16.24		150.0	
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	6.16	68.54	17.00	0.00	150.0	± 9.6 %
		Y	5.89	68.14	16.71		150.0	
		Z	6.10	68.32	16.82		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.72	67.17	16.36	0.00	150.0	± 9.6 %
		Y	5.58	67.16	16.27		150.0	
		Z	5.68	66.99	16.19		150.0	
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.74	67.28	16.37	0.00	150.0	±9.6 %
		Y	5.59	67.21	16.26		150.0	
		Z	5.70	67.08	16.20		150.0	
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.64	67.02	16.26	0.00	150.0	± 9.6 %
		Y	5.50	67.01	16.17		150.0	
		Z	5.60	66.83	16.09		150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.73	67.06	16.31	0.00	150.0	± 9.6 %
		Y	5.58	67.04	16.21		150.0	
		Z	5.69	66.89	16.15		150.0	
10554- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	6.01	67.31	16.36	0.00	150.0	± 9.6 %
		Y	5.89	67.29	16.27		150.0	
		Z	5.97	67.14	16.21		150.0	
10555- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.16	67.66	16.51	0.00	150.0	± 9.6 %
		Y	6.02	67.59	16.39		150.0	
		Z	6.12	67.49	16.35		150.0	
10556- AAA	IEEE 1602.11ac WIFi (160MHz, MCS2, 99pc duty cycle)	Х	6.17	67.67	16.51	0.00	150.0	± 9.6 %
		Y	6.04	67.64	16.41		150.0	
		Z	6.14	67.50	16.35		150.0	
10557- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.16	67.64	16.52	0.00	150.0	± 9.6 %
		Y	6.01	67.55	16.38		150.0	
		Z	6.12	67.46	16.36		150.0	

10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.23	67.85	16.64	0.00	150.0	± 9.6 %
		Y	6.06	67.71	16.48	······	150.0	· · · · · ·
		Z	6.19	67.66	16.47		150.0	
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.21	67.65	16.58	0.00	150.0	± 9.6 %
		Y	6.05	67.56	16.44		150.0	
		Z	6.17	67.48	16.42		150.0	
10561- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	6.12	67.61	16.60	0.00	150.0	± 9.6 %
		Y	5.97	67.52	16.46	1	150.0	
		Z	6.09	67.44	16.44		150.0	
10562- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.30	68.15	16.87	0.00	150.0	± 9.6 %
		Y	6.10	67.92	16.66		150.0	
		Z	6.26	67.96	16.71		150.0	
10563- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.62	68.62	17.05	0.00	150.0	± 9.6 %
		Y	6.35	68.25	16.78		150.0	
		Z	6.58	68.47	16.91		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	Х	5.06	67.17	16.65	0.46	150.0	± 9.6 %
		Y	4.90	67.19	16.50		150.0	
		Z	5.03	67.02	16.49		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	Х	5.32	67.64	16.96	0.46	150.0	± 9.6 %
		Y	5.14	67.66	16.84		150.0	
		Z	5.29	67.48	16.80		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	5.16	67.53	16.80	0.46	150.0	± 9.6 %
		Y	4.97	67.52	16.66		150.0	
		Z	5.12	67.36	16.63		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	5.18	67.87	17.11	0.46	150.0	± 9.6 %
		Y	5.01	67.94	17.03		150.0	
		Z	5.14	67.68	16.93	·	150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	5.07	67.28	16.58	0.46	150.0	± 9.6 %
		Y	4.89	67.27	16.41		150.0	
		Z	5.04	67.14	16.42		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	Х	5.11	67.89	17.13	0.46	150.0	± 9.6 %
		Y	4.97	68.06	17.11		150.0	
		Z	5.08	67.69	16.94		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	5.16	67.75	17.08	0.46	150.0	± 9.6 %
		Y	5.00	67.87	17.02		150.0	
4057		Z	5.13	67.56	16.90		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.41	67.04	17.13	0.46	130.0	± 9.6 %
		Y	1.34	66.60	16.67		130.0	
		Z	1.38	66.01	16.24		130.0	
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.44	67.79	17.55	0.46	130.0	± 9.6 %
		Y	1.37	67.37	17.11		130.0	
		Z	1.40	66.61	16.58		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	48.76	135.45	36.87	0.46	130.0	± 9.6 %
		Y	13.63	114.31	31.46		130.0	
		Z	3.91	91.83	24.74		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.88	76.30	21.44	0.46	130.0	±9.6 %
·		Y	1.78	75.95	21.10		130.0	
		Z	1.63	72.68	19.39			

10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	X	4.87	67.03	16.75	0.46	130.0	± 9.6 %
	, , , , , , , , , , , , , , , , , , , ,	Y	4.71	67.06	16.59		130.0	
		Ż	4.85	66.89	16.59			
10576-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.90	67.18	16.80	0.46	130.0	1000
AAA	OFDM, 9 Mbps, 90pc duty cycle)					0.46	130.0	± 9.6 %
		Y	4.74	67.24	16.66		130.0	
40577		Z	4.88	67.03	16.63		130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	5.14	67.51	16.98	0.46	130.0	± 9.6 %
		Y	4.95	67.52	16.83		130.0	
·		Z	5.11	67.36	16.82		130.0	
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	5.03	67.68	17.07	0.46	130.0	±9.6 %
		Y	4.85	67.72	16.95		130.0	
		Z	5.00	67.50	16.89		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.82	67.12	16.49	0.46	130.0	± 9.6 %
		Y	4.61	66.97	16.24		130.0	
		Z	4.79	66.96	16.33		130.0	
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.86	67.08	16.49	0.46	130.0	± 9.6 %
		Y	4.65	66.99	16.25		130.0	
		Z	4.84	66.94	16.33		130.0	·
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	4.94	67.77	17.04	0.46	130.0	± 9.6 %
		Y	4.75	67.79	16.91		130.0	· · · · · · · · · · · · · · · · · · ·
		Z	4.91	67.57	16.84		130.0	··· ····
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.77	66.89	16.31	0.46	130.0	± 9.6 %
		Y	4.55	66.70	16.01		130.0	
		Ż	4.75	66.75	16.15		130.0	
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.87	67.03	16.75	0.46	130.0	± 9.6 %
		Y	4.71	67.06	16.59		130.0	
		Z	4.85	66.89	16.59		130.0	
10584-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9	X	4.90	67.18	16.80	0.46		100%
AAA	Mbps, 90pc duty cycle)	Ŷ				0.40	130.0	± 9.6 %
			4.74	67.24	16.66		130.0	
10585-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12	Z X	4.88 5.14	67.03 67.51	16.63 16.98	0.46	130.0	± 9.6 %
AAA	Mbps, 90pc duty cycle)	Y	4.95	67.52	16.83	0.40		±9.0 %
							130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	Z X	<u>5.11</u> 5.03	67.36 67.68	16.82 17.07	0.46	130.0 130.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.85	67.72	16.95		130.0	
		Ż	5.00	67.50	16.89		130.0	
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.82	67.12	16.49	0.46	130.0	± 9.6 %
		Y	4.61	66.97	16.24		130.0	
		Z	4.79	66.96	16.33		130.0	
10588- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.86	67.08	16.49	0.46	130.0	±9.6 %
		Y	4.65	66.99	16.25		130.0	
		z	4.84	66.94	16.33		130.0	
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.94	67.77	17.04	0.46	130.0	± 9.6 %
		Y	4.75	67.79	16.91		130.0	I
		Z	4.91	67.57	16.84		130.0	
		X	4.77	66.89	16.31	0.46	130.0	± 9.6 %
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)			00000				
10590- AAA	Mbps, 90pc duty cycle)	Y	4.55	66.70	16.01		130.0	

10591- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	5.02	67.07	16.83	0.46	130.0	± 9.6 %
		Y	4.86	67.11	16.68		130.0	
		Z	5.00	66.93	16.67		130.0	
10592- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.20	67.42	16.95	0.46	130.0	± 9.6 %
		Y	5.02	67.45	16.81		130.0	
		Z	5.17	67.28	16.79		130.0	
10593- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.13	67.39	16.87	0.46	130.0	± 9.6 %
		Y	4.94	67.36	16.70		130.0	
		Z	5.11	67.24	16.71		130.0	
10594- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	5.18	67.52	17.00	0.46	130.0	± 9.6 %
		Y	5.00	67.54	16.86		130.0	
		Z	5.15	67.37	16.84		130.0	
10595- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	5.16	67.51	16.92	0.46	130.0	±9.6 %
		Y	4.97	67.49	16.75		130.0	
		Z	5.13	67.35	16.75		130.0	
10596- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	5.10	67.51	16.92	0.46	130.0	±9.6 %
		Y	4.90	67.49	16.76		130.0	
		Z	5.07	67.36	16.76		130.0	
10597- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	5.05	67.46	16.83	0.46	130.0	± 9.6 %
		Y	4.85	67.39	16.64		130.0	
		Z	5.02	67.30	16.67		130.0	·
10598- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	5.03	67.69	17.08	0.46	130.0	± 9.6 %
		Y	4.84	67.66	16.92	···· .	130.0	
		Z	5.00	67.51	16.90		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.70	67.69	17.03	0.46	130.0	±9.6 %
		Y	5.52	67.61	16.86		130.0	
		Z	5.67	67.57	16.89		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.93	68.39	17.35	0.46	130.0	±9.6 %
		Y	5.66	68.03	17.04		130.0	
		Z	5.89	68.22	17.20		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.76	67.96	17.15	0.46	130.0	± 9.6 %
		Y	5.55	67.79	16.94		130.0	
		Z	5.73	67.82	17.01		130.0	
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.85	67.98	17.08	0.46	130.0	± 9.6 %
		Y	5.64	67.79	16.85		130.0	
		Z	5.82	67.84	16.94		130.0	
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.95	68.31	17.37	0.46	130.0	± 9.6 %
		Y	5.73	68.12	17.15		130.0	
		Z	5.91	68.13	17.20		130.0	
10604- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.70	67.66	17.03	0.46	130.0	± 9.6 %
		Y	5.53	67.58	16.87		130.0	
		Z	5.68	67.53	16.89		130.0	
10605- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.82	67.98	17.20	0.46	130.0	± 9.6 %
		Y	5.64	67.90	17.03		130.0	
		Z	5.79	67.85	17.07		130.0	
10606- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.59	67.45	16.81	0.46	130.0	± 9.6 %
		- Y	5.39	67.26	16.56		130.0	

10607- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.85	66.37	16.44	0.46	130.0	± 9.6 %
		Y	4.70	66.44	16.32		130.0	<u></u>
		Z	4.82	66.20	16.26		130.0	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	x	5.07	66.80	16.60	0.46	130.0	± 9.6 %
		Y	4.89	66.85	16.48		130.0	
		Z	5.04	66.63	16.42		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.96	66.70	16.47	0.46	130.0	± 9.6 %
		Y	4.78	66.70	16.32		130.0	
		Z	4.93	66.52	16.29		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	5.01	66.84	16.62	0.46	130.0	± 9.6 %
	·····	Y	4.83	66.87	16.49		130.0	
		Z	4.98	66.66	16.44		130.0	
10611- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.94	66.69	16.49	0.46	130.0	± 9.6 %
		Y	4.75	66.67	16.34		130.0	
		Z	4.91	66.51	16.31		130.0	
10612- AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.96	66.85	16.54	0.46	130.0	± 9.6 %
		Y	4.76	66.83	16.38		130.0	
		Z	4.92	66.67	16.36		130.0	
10613- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.97	66.79	16.45	0.46	130.0	± 9.6 %
		Y	4.76	66.71	16.26		130.0	
		Z	4.94	66.60	16.27		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.90	66.94	16.66	0.46	130.0	± 9.6 %
		Y	4.71	66.92	16.51		130.0	
		Z	4.86	66.73	16.46		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.94	66.52	16.29	0.46	130.0	± 9.6 %
		Y	4.74	66.48	16.10		130.0	
		Z	4.91	66.36	16.12		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.51	66.93	16.62	0.46	130.0	±9.6 %
		Y	5.34	66.89	16.49		130.0	
		Z	5.48	66.77	16.47		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.57	67.04	16.64	0.46	130.0	± 9.6 %
		Y	5.41	67.05	16.54		130.0	
		Z	5.54	66.88	16.49		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.46	67.12	16.70	0.46	130.0	±9.6 %
		Y	5.30	67.08	16.57		130.0	
		Z	5.43	66.94	16.53		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.49	66.94	16.55	0.46	130.0	± 9.6 %
		Y	5.31	66.88	16.40		130.0	
		Z	5.46	66.78	16.40		130.0	
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.61	67.07	16.67	0.46	130.0	± 9.6 %
		Y	5.41	66.92	16.47		130.0	
		Z	5.58	66.91	16.51		130.0	
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.57	67.08	16.78	0.46	130.0	± 9.6 %
		Y	5.41	67.05	16.66		130.0	
		Z	5.54	66.91	16.62		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.58	67.21	16.84	0.46	130.0	± 9.6 %
		Y	5.42	67.22	16.74		130.0	
		Z	5.54	67.04	16.67		130.0	

10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.47	66.83	16.54	0.46	130.0	± 9.6 %
<u>`</u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Y	5.29	66.72	16.36		130.0	
		Z	5.44	66.67	16.38		130.0	
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.65	66.97	16.67	0.46	130.0	± 9.6 %
		Y	5.48	66.92	16.52		130.0	
		Z	5.63	66.83	16.52	·	130.0	
10625-	IEEE 802.11ac WiFi (40MHz, MCS9,	X	6.08	68.09	17.28	0.46	130.0	± 9.6 %
AAA	90pc duty cycle)	Y	5.86	67.92	17.07	0.40		19.0 %
		z	6.05	67.92			130.0	
10626-	IEEE 802.11ac WiFi (80MHz, MCS0,	X	<u> </u>		17.14	0.40	130.0	
AAA	90pc duty cycle)		_	66.94	16.55	0.46	130.0	± 9.6 %
		Y	5.63	66.92	16.43		130.0	
10007		Z	5.73	66.80	16.40		130.0	
10627- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	6.03	67.53	16.79	0.46	130.0	± 9.6 %
		Y	5.87	67.49	16.67		130.0	
		Z	6.00	67.38	16.65		130.0	
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.84	67.16	16.55	0.46	130.0	± 9.6 %
		Y	5.67	67.02	16.37		130.0	
		Z	5.81	67.01	16.41		130.0	
10629- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.93	67.23	16.58	0.46	130.0	± 9.6 %
		Y	5.75	67.09	16.40		130.0	
		Z	5.90	67.08	16.43		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.57	69.29	17.61	0.46	130.0	± 9.6 %
		Y	6.20	68.62	17.15		130.0	· · · · · · · · · · · · · · · · · · ·
		Z	6.52	69.09	17.44	•	130.0	
10631- AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.37	68.79	17.53	0.46	130.0	± 9.6 %
		Y	6.10	68.43	17.26		400.0	<u> </u>
<u> </u>		z z	6.32	68.57			130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	6.00	67.56	17.35 16.93	0.46	130.0 130.0	± 9.6 %
		Y	5.85	67.56	16.85		130.0	
		z	5.96	67.39	16.77		130.0	
10633- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.94	67.43	16.71	0.46	130.0	± 9.6 %
		Y	5.73	67.19	16.48		130.0	
		Ż	5.91	67.25	16.55			
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.91	67.37	16.74	0.46	130.0 130.0	± 9.6 %
		Y	5.72	67.22	16.56	·	130.0	
		Ż	5.87	67.19	16.57		130.0	
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.80	66.77	16.19	0.46	130.0	± 9.6 %
		Y	5.59	66.52	15.94	<u> </u>	130.0	
		z	5.77	66.64	16.07		130.0	
10636- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.17	67.34	16.65	0.46	130.0	± 9.6 %
		Y	6.04	67.28	16.50		130.0	
		Z	6.15	67.20	16.51		130.0	
10637- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.35	67.76	16.83	0.46	130.0	± 9.6 %
		TY 1	6.20	67.66	16.68		130.0	
		z	6.32	67.61	16.69		130.0	
					10.09		1 130.0	1
10638-	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.35	67.72	16.79	0.46	130.0	± 9.6 %
	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)					0.46		± 9.6 %

February 10, 2017

10639- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.35	67.74	16.85	0.46	130.0	± 9.6 %
		Y	6.18	67.59	16.66		130.0	
		Z	6.32	67.59	16.70		130.0	
10640- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.39	67.87	16.86	0.46	130.0	± 9.6 %
		Y	6.18	67.60	16.61	·	130.0	
		Z	6.36	67.71	16.72		130.0	
10641- AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.37	67.56	16.72	0.46	130.0	± 9.6 %
		Y	6.22	67.48	16.57		130.0	
		Z	6.34	67.42	16.59		130.0	
10642- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.43	67.86	17.02	0.46	130.0	± 9.6 %
		Y	6.27	67.76	16.88		130.0	
		Z	6.40	67.70	16.88		130.0	
10643- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.27	67.59	16.80	0.46	130.0	±9.6 %
		Y	6.10	67.43	16.61		130.0	
		Z	6.24	67.44	16.67		130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	Х	6.52	68.35	17.21	0.46	130.0	±9.6 %
		Y	6.27	67.95	16.89		130.0	
		Z	6.48	68.18	17.06		130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	Х	6.86	68.85	17.40	0.46	130.0	± 9.6 %
		Y	6.65	68.64	17.18		130.0	
		Z	6.84	68.75	17.29		130.0	
10646- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	42.01	120.68	39.91	9.30	60.0	± 9.6 %
		Y	39.04	120.15	39.21		60.0	
		Z	32.57	113.89	37.85		60.0	
10647- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	Х	44.40	122.83	40.67	9.30	60.0	± 9.6 %
		Y	37.67	120.23	39.39		60.0	
		Z	34.51	116.06	38.63		60.0	
10648- AAA	CDMA2000 (1x Advanced)	Х	0.92	66.62	13.41	0.00	150.0	± 9.6 %
		Y	0.77	65.29	11.91		150.0	
		Z	0.81	64.38	11.88		150.0	

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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





S Schweizerischer Kallbrierdienst

- Service suisse d'étalonnage
- S Servizio svizzero di taratura
  - Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Certificate No: ES3-3213\_Feb17

BN17 63-01-2017

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Object

ES3DV3 - SN:3213

Calibration procedure(s)

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

Calibration date:

February 10, 2017

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	Ð	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	06-Apr-16 (No. 217-02288/02289)	Apr-17
Power sensor NRP-Z91	SN: 103244	06-Apr-16 (No. 217-02288)	Apr-17
Power sensor NRP-Z91	SN: 103245	06-Apr-16 (No. 217-02289)	Apr-17
Reference 20 dB Attenuator	SN: S5277 (20x)	05-Apr-16 (No. 217-02293)	Apr-17
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
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-16)	In house check: Oct-17

	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
			V <del>G</del> V
Approved by:	Katja Pokovic	Technical Manager	PAL
			/~ · ~ 55
			Issued: February 13, 2017
This calibration certificate	e shall not be reproduced except in fu	Il without written approval of the lab	oratory.

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



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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 9	9 rotation around an axis that is in the plane normal to probe axis (at measurement center),
	i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

### 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, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
- 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<sup>2</sup>-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:3213

Calibrated:

Manufactured: October 14, 2008 February 10, 2017

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

### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	1.44	1.32	1.29	± 10.1 %
DCP (mV) <sup>B</sup>	101.3	102.3	101.6	

### **Modulation Calibration Parameters**

UID	Communication System Name		Α	В	С	D	VR	Unc <sup>E</sup>
			dB	dB√μV		dB	m∨	(k=2)
0	CW	X	0.0	0.0	1.0	0.00	228.2	±3.5 %
		Y	0.0	0.0	1.0		230.0	
		Z	0.0	0.0	1.0		221.7	

Note: For details on UID parameters see Appendix.

### Sensor Model Parameters

	C1	C2	α	T1	T2	Т3	T4	T5	Т6
	fF	fF	V-1	ms.V⁻²	ms.V⁻¹	ms	V-2	V⁻¹	
Х	56.23	407.2	35.93	28.85	2.251	5.1	1.129	0.439	1.012
Y	55.47	400.7	35.87	28.65	2.277	5.1	1.321	0.386	1.013
Z	51.67	374.7	36	28.45	2.103	5.1	0.358	0.504	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%.

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

<sup>6</sup> Numerical linearization parameter: uncertainty not required. <sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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	6.85	6.85	6.85	0.80	1.18	± 12.0 %
835	41.5	0.90	6.49	6.49	6.49	0.49	1.52	± 12.0 %
1750	40.1	1.37	5.49	5.49	5.49	0.60	1.35	± 12.0 %
1900	40.0	1.40	5.29	5.29	5,29	0.68	1.27	± 12.0 %
2300	39.5	1.67	4.95	4.95	4.95	0.70	1.28	± 12.0 %
2450	39.2	1.80	4.70	4.70	4.70	0.80	1.24	± 12.0 %
2600	39.0	1.96	4.52	4.52	4.52	0.78	1.28	± 12.0 %

### Calibration Parameter Determined in Head Tissue Simulating Media

<sup>c</sup> Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  10, 25, 40, 50 end 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to  $\pm$  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

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

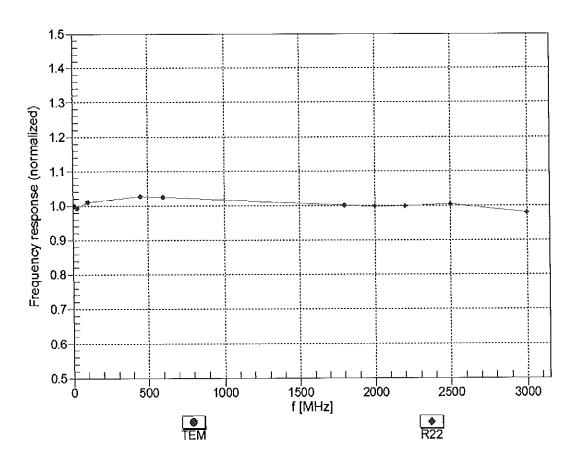
f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	55.5	0.96	6.38	6.38	6.38	0.60	1.31	± 12.0 %
835	55.2	0.97	6.28	6.28	6.28	0.80	1.20	± 12.0 %
1750	53.4	1.49	5.09	5.09	5.09	0.66	1.33	± 12.0 %
1900	53.3	1.52	4.94	4.94	4.94	0.40	1.85	± 12.0 %
2300	52.9	1.81	4.69	4.69	4.69	0.80	1.24	± 12.0 %
2450	52.7	1.95	4.53	4.53	4.53	0.72	1.28	± 12.0 %
2600	52.5	2.16	4.32	4.32	4.32	0.80	1.20	± 12.0 %

### Calibration Parameter Determined in Body Tissue Simulating Media

<sup>c</sup> Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity validity can be extended to  $\pm$  110 MHz.

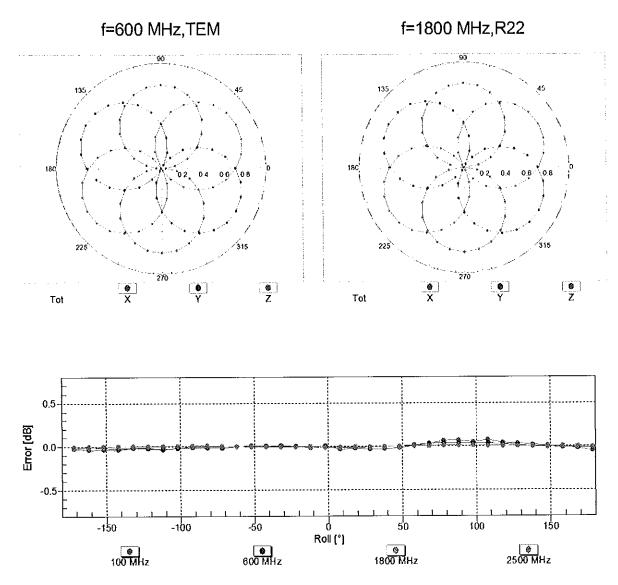
<sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to  $\pm$  10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to  $\pm$  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.



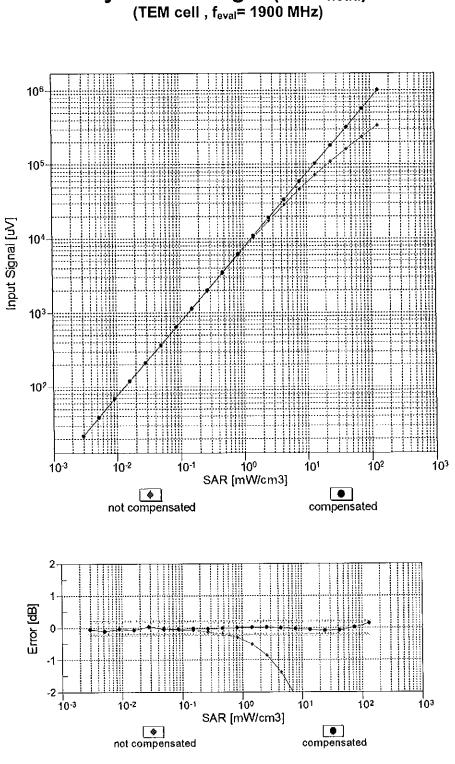
### Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



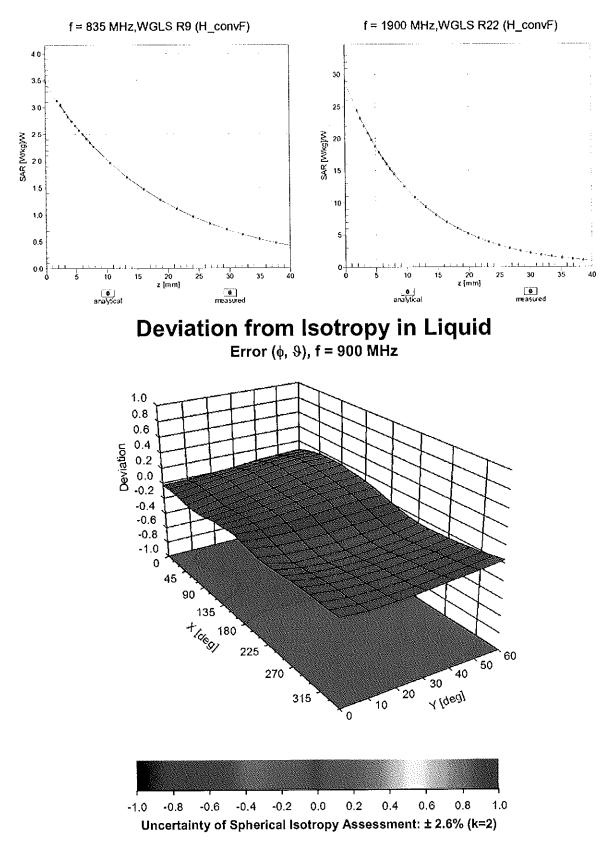
### Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

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



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

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



### **Conversion Factor Assessment**

### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	98.2
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 dBõV	С	D dB	VR mV	Max Unc <sup>E</sup> (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	228.2	± 3.5 %
		Y	0.00	0.00	1.00		230.0	
40040		Z	0.00	0.00	1.00		221.7	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	Х	11.07	84.26	20.62	10.00	25.0	± 9.6 %
		Y	10.49	83.36	20.27		25.0	
40044		Z	11.03	84.22	20.43		25.0	
10011- CAB	UMTS-FDD (WCDMA)	X	1.04	66.65	14.82	0.00	150.0	± 9.6 %
		Y	1.16	69.13	16.33		150.0	
40040		Z	1.01	66.30	14.54		150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	Х	1.30	64.60	15.49	0.41	150.0	± 9.6 %
		Y	1.33	65.49	16.22		150.0	
		Ζ	1.28	64.47	15.36		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	X	5.14	67.15	17.39	1.46	150.0	± 9.6 %
		Y	5.14	67.35	17.57		150.0	
(000)		Z	5.09	67.17	17.37		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	Х	62.94	114.81	31.61	9.39	50.0	± 9.6 %
		Y	41.95	107.82	29.66		50.0	
		Ζ	94.76	121.25	33.03		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	Х	46.50	109.76	30.33	9.57	50.0	± 9.6 %
		Y	33.70	104.15	28.69		50.0	
		Ζ	62.69	114.46	31.37		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	119.19	30.75	6.56	60.0	± 9.6 %
		Y	100.00	118.97	30.64		60.0	
		Z	100.00	118.83	30.48		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	×	18.95	107.68	41.29	12.57	50.0	± 9.6 %
		Y	31.91	124.81	47.58		50.0	
		Z	17.05	104.98	40.36	0 - 0	50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	Х	20.29	105.23	36.57	9.56	60.0	± 9.6 %
		Y	28.92	114.92	39.99		60.0	
10007		Z	20.11	105.49	36.71	4.00	60.0	10.0.0/
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	118.17	29.38	4.80	80.0	± 9.6 %
		Y	100.00	118.12	29.34		80.0	
10028-	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	Z X	100.00 100.00	117.81 118.40	29.12 28.68	3.55	80.0 100.0	± 9.6 %
DAC			400.00	440.00	00.70		1000	<b> </b>
		Y Z	100.00	118.60	28.76		100.0	
10020	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	Z X	100.00 12.78	118.00 94.46	28.41 31.72	7.80	100.0	± 9.6 %
10029- DAC						7.00		1 3.0 %
		Y	16.27 12.37	100.85	34.22 31.64		80.0 80.0	
10030-	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Z X	12.37	<u>94.11</u> 117.61	29.45	5.30	70.0	± 9.6 %
CAA		Y	100.00	117.52	29.40		70.0	
		Z	100.00	117.52	29.40		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	119.11	27.47	1.88	100.0	± 9.6 %
		Y	100.00	120.30	27.96	<u>+</u> .	100.0	1
		Ż	100.00	118.27	27.02	1	100.0	1

10032-		1.1.	1		·			aly 10, 20
CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	×	100.00	123.13	28.10	1.17	100.0	± 9.6 %
		Y	100.00	125.86	29.19		100.0	
10000		Z	100.00	121.81	27.46		100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	19.81	99.27	27.58	5.30	70.0	± 9.6 %
		Y	23.75	102.32	28.48		70.0	
10004		Ż	20.10	99.19	27.31		70.0	
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	6.18	84.61	21.36	1.88	100.0	± 9.6 %
		Y	8.74	90.01	23.19		100.0	
10035-		Z	6.07	84.02	20.83		100.0	
<u>CAA</u>	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	3.50	78.04	18.75	1.17	100.0	± 9.6 %
<u> </u>		Y	4.77	82.88	20.59		100.0	
40000		Z	3.40	77.42	18.19		100.0	· · · · ·
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	×	25.06	103.36	28.83	5.30	70.0	± 9.6 %
		Y	30.48	106.66	29.76		70.0	
10007		Z	25.78	103.46	28.61		70.0	
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	5.91	84.02	21.13	1.88	100.0	± 9.6 %
		Y	8.37	89.43	22.97		100.0	
10038-		Z	5.74	83.28	20.55		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	3.58	78.59	19.05	1.17	100.0	± 9.6 %
		Y	4.93	83.62	20.94		100.0	·
10000		Ζ	3.47	77.94	18.48		100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	X	1.75	70.49	15.41	0.00	150.0	± 9.6 %
		Y	2.11	73.63	16.88		150.0	·
		Z	1.63	69.80	14.78		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	X	100.00	117.99	30.44	7.78	50.0	±9.6 %
		Y	100.00	117.70	30.30		50.0	· · · · · · · · · · · · · · · · · · ·
- · · · · · · · · · · · · · · · · · · ·		Z	100.00	117.57	30.13		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	Х	0.01	92.86	0.28	0.00	150.0	± 9.6 %
		Y	0.00	128.30	10.22		150.0	
		Z	0.01	91.94	0.27		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	16.43	91.36	26.72	13.80	25.0	± 9.6 %
		Y	14.26	88.55	25.69		25.0	
		Z	18.21	93.36	27.20		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	х	21.81	96.95	27.09	10.79	40.0	± 9.6 %
·		Y	18.36	93.74	25.99		40.0	
		Ζ	24.94	99.20	27.59		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	16.12	92.43	26.40	9.03	50.0	±9.6 %
		Y	16.40	92.69	26.46		50.0	
		Ζ	16.84	93.23	26.48		50.0	
10058- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	9.13	87.64	28.49	6.55	100.0	±9.6 %
		Y	10.85	92.11	30.40		100.0	
		Ζ	8.80	87.14	28.33		100.0	
100	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2	X	1.45	66.53	16.46	0.61	110.0	± 9.6 %
	Mbps)				1			
		Y	1.51	67.75	17.33	-	110.0	
CAB	Mbps)	Y Z	1.51 1.43	67.75 66.36	17.33 16.31		110.0 110.0	
CAB						1.30	110.0 110.0 110.0	± 9.6 %
10059- CAB 10060- CAB	Mbps) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5	Z	1.43	66.36	16.31	1.30	110.0	± 9.6 %

Y         12.85         101.15         28.77         110.0           10062-         IEEE 802.11a/h WIF15 GHz (OFDM, 6         X         4.86         66.91         16.67         0.49         100.0         ± 9.6 %           AB         Mbps)         Y         4.87         67.10         18.85         100.0         ± 9.6 %           I0063-         IEEE 802.11a/h WIF15 GHz (OFDM, 9         X         4.90         67.06         16.81         0.72         100.0         ± 9.6 %           Mbps)         Y         4.91         67.26         16.89         100.0         ± 9.6 %           CAB         Mbps)         Y         4.91         67.26         16.89         100.0         ± 9.6 %           CAB         Mbps)         Y         4.53         67.06         17.25         100.0         ± 9.6 %           Mbps)         Y         5.23         67.40         17.28         100.0         ± 9.6 %           Mbps)         Y         5.13         67.61         17.41         100.0         ± 9.6 %           AB         Mbps)         Y         5.13         67.61         17.41         100.0         ± 9.6 %           CAB         Mbps)         Y         5.16 </th <th>10061- CAB</th> <th>  IEEE 802.11b WiFi 2.4 GHz (DSSS, 11   Mbps)</th> <th>X</th> <th>7.70</th> <th>91.83</th> <th>25.70</th> <th>2.04</th> <th>110.0</th> <th>± 9.6 %</th>	10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11   Mbps)	X	7.70	91.83	25.70	2.04	110.0	± 9.6 %
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	0/10	mopo/		12.85	101 15	28 77		110.0	
ID002- CAB         IEEE F02.11a/n WIF15 GHz (OFDM, 6 Mbps)         X         4.86 4.87         66.91 67.10         16.67 16.85         0.00 100.0         ± 0.49 4.87         0.00 67.06         16.81 16.84         0.00 000.0           10063- CAB         IEEE 802.11a/n WIF15 GHz (OFDM, 9 Mbps)         X         4.90 4.86         67.06 67.06         16.81 16.84         0.72 00.00         ± 9.6 % 4.86           10064- CAB         IEEE 802.11a/n WIF15 GHz (OFDM, 12 X         X         5.22 5.23         67.40 67.40         17.08 17.08         0.86 0.86         100.0         ± 9.6 % 17.25           10064- CAB         IEEE 802.11a/n WIF15 GHz (OFDM, 12 X         X         5.12 5.16         67.33 7.42         17.25 1.21         100.0         ± 9.6 % 17.25           10066- CAB         IEEE 802.11a/n WIF15 GHz (OFDM, 18 X         X         5.12 5.16         67.35 67.74         17.48 1.46         140.0         ± 9.6 % 17.21           10066- CAB         IEEE 802.11a/n WIF15 GHz (OFDM, 24 X         X         5.19 5.50         67.74 17.48         14.6 100.0         ± 0.8 % 17.48           10067- CAB         IEEE 802.11a/n WIF15 GHz (OFDM, 36 X         5.50 5.50         67.74 17.95 2.74         17.00 17.00         ± 0.8 % 17.8 17.80         100.0           10068- IEEE 802.11a/n WIF15 GHz (OFDM, 48 X         5.50 5.50         67.74 17.95 2.04 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
Y         4.87         67.10         16.85         100.0           2         2.481         66.941         16.64         100.0           10063-         EEE 802.11a/h WiFi 5 GHz (OFDM, 9         X         4.90         67.06         16.81         0.72         100.0         ± 9.6 %           CAB         Mbps)         Y         4.91         67.26         16.84         100.0         ± 9.6 %           CAB         Mbps)         Y         4.91         67.26         16.89         100.0         ± 9.6 %           CAB         Mbps)         Y         5.23         67.59         17.26         100.0         ± 9.6 %           CAB         Mbps)         Y         5.23         67.69         17.25         1.21         100.0         ± 9.6 %           CAB         Mbps)         Y         5.16         67.33         17.04         100.0         ± 9.6 %           CAB         Mbps)         Y         5.16         67.55         17.48         1.46         100.0         ± 9.6 %           CAB         Mbps)         Y         5.11         67.55         17.48         1.46         100.0         ± 9.6 %           CAB         Mbps)         Y         <							0.49		±9.6 %
ID063- CAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)         X         4.90         67.06         16.81         0.72         100.0         ± 9.6 % 100.0           CAB         Mbps)         Y         4.91         67.26         16.99         100.0           CAB         Mbps)         Y         4.95         67.00         17.08         0.86         100.0           10064- Mbps)         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12         X         5.22         67.40         17.04         100.0           10065- IEEE 802.11a/h WiFi 5 GHz (OFDM, 18         X         5.12         67.42         17.25         1.21         100.0           10066- IEEE 802.11a/h WiFi 5 GHz (OFDM, 24         X         5.13         67.61         17.44         100.0         ± 9.6 %           CAB         Mbps)         Y         5.13         67.76         17.66         100.0         ± 9.6 %           CAB         Mbps)         Y         5.19         67.76         17.66         100.0         ± 9.6 %           CAB         Mbps)         Y         5.16         67.76         17.66         100.0         ± 9.6 %           CAB         Mbps)         Y         5.61         67.76         17.44         100.0         ±			Y	4.87	67.10	16.85		100.0	
ID063         IEEE 802.11a/h WiFi 5 GHz (OFDM, 9         X         4.90         67.06         16.81         0.72         100.0         ± 9.6 %           CAB         Mbps)         Y         4.91         67.26         16.89         100.0           CAB         Mbps)         Y         4.95         67.06         16.78         100.0           10064         IEEE 802.11a/h WiFi 5 GHz (OFDM, 12         X         5.22         67.40         17.04         100.0           10065-         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18         X         5.12         67.42         17.25         1.21         100.0           10066-         IEEE 802.11a/h WiFi 5 GHz (OFDM, 24         X         5.13         67.61         17.64         100.0         ± 9.6 %           CAB         Mbps)         Y         5.13         67.76         17.66         100.0         ± 9.6 %           CAB         Mbps)         Y         5.19         67.76         17.66         100.0         ± 9.6 %           CAB         Mbps)         Y         5.16         67.76         17.66         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.76         17.93         100.0         ± 9.6 %			Z	4.81	66.91	16.64		100.0	
IEEE 802.11a/h WiFi 5 GHz (OFDM, 12         X         5.22         67.06         16.78         100.0           CAB         Mbps)         Y         5.23         67.40         17.08         0.86         100.0           10065- CAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 18         X         5.12         67.49         17.25         1.21         100.0         ± 9.6 %           CAB         Mbps)         Y         5.13         67.41         17.25         1.21         100.0         ± 9.6 %           CAB         Mbps)         Y         5.13         67.40         17.21         100.0         ± 9.6 %           CAB         Mbps)         Y         5.18         67.52         17.44         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.76         17.66         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.76         17.95         2.04         100.0         ± 9.6 %           CAB         Mbps)         Y         5.61         67.76         17.93         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.03         18.53         100.0         ± 9	10063- CAB		X	4.90	67.06	16.81	0.72	100.0	± 9.6 %
ID064.         IEEE 802.11a/h WIFI 5 GHz (OFDM, 12         X         5.22         67.40         17.08         0.86         100.0         ± 9.6 %           CAB         Mbps)         Y         5.23         67.50         17.25         100.0           10065-         IEEE 802.11a/h WIFI 5 GHz (OFDM, 18         X         5.12         67.42         17.25         1.21         100.0         ± 9.6 %           CAB         Mbps)         Y         5.13         67.61         17.43         100.0         ± 9.6 %           CAB         Mbps)         Y         5.13         67.61         17.43         100.0         ± 9.6 %           CAB         Mbps)         Y         5.18         67.60         17.66         100.0         ± 9.6 %           CAB         Mbps)         Y         5.11         67.55         17.44         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.96         18.15         100.0         ± 9.8 %           CAB         Mbps)         Y         5.61         68.03         18.28         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.03         18.50         2.67         100									
Y         5.23         67.59         17.25         100.0           10065- CAB         IEEE 802.11a/n WIFI 5 GHz (OFDM, 18         X         5.16         67.38         17.04         100.0           10066- CAB         Y         5.13         67.61         17.43         100.0         ± 9.6 %           10066- CAB         Y         5.13         67.61         17.43         100.0         ± 9.6 %           10066- CAB         IEEE 802.11a/n WIFI 5 GHz (OFDM, 24         X         5.18         67.55         17.44         1.46         100.0         ± 9.6 %           10067- IEEE 802.11a/n WIFI 5 GHz (OFDM, 36         X         5.50         67.74         17.95         2.04         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.76         17.85         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.76         17.93         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.03         18.53         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           CAB         Mbps)							0.86		± 9.6 %
Z         5.16         67.38         17.04         100.0           CAB         WiFi 5 GHz (OFDM, 18         X         5.12         67.42         17.25         1.21         100.0         ± 9.6 %           CAB         Y         5.13         67.61         17.43         100.0         ± 9.6 %           CAB         Mps)         Y         5.13         67.61         17.43         100.0         ± 9.6 %           CAB         Mps)         Y         5.19         67.76         17.66         100.0         ± 9.6 %           CAB         Mps)         Y         5.19         67.76         17.66         100.0         ± 9.6 %           CAB         Mps)         Y         5.51         67.96         18.15         100.0         ± 9.6 %           CAB         Mps)         Y         5.51         67.96         18.15         100.0         ± 9.6 %           CAB         Mps)         Y         5.64         68.06         18.32         2.55         100.0         ± 9.6 %           CAB         Mps)         Y         5.64         68.03         18.28         100.0         ± 9.6 %           CAB         Mps)         Y         5.71 <td< td=""><td>0/10</td><td></td><td>Y</td><td>5.23</td><td>67.59</td><td>17.25</td><td></td><td>100.0</td><td></td></td<>	0/10		Y	5.23	67.59	17.25		100.0	
10065         IEEE 802.11a/n WiFi 5 GHz (OFDM, 18         X         5.12         67.42         17.25         1.21         100.0         ± 9.6 %           CAB         Y         5.13         67.61         17.43         100.0           10066-         IEEE 802.11a/n WiFi 5 GHz (OFDM, 24         X         5.18         67.55         17.48         1.46         100.0         ± 9.6 %           CAB         Mbps)         Y         5.19         67.76         17.66         100.0         ± 9.6 %           CAB         Mbps)         Y         5.19         67.76         17.46         1.00.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.76         17.44         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.96         18.15         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.30         18.53         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.30         18.28         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         66.29         18.74         100.0         ± 9.6 %									
Z         5.06         67.40         17.21         100.0           10066- CAB         IEEE 802.11a/h WIFI 5 GHz (OFDM, 24         X         5.18         67.55         17.48         1.46         100.0         ± 9.6 %           CAB         Mpp)         Y         5.19         67.76         17.66         100.0         ± 9.6 %           CAB         Mpp)         Y         5.19         67.76         17.44         100.0         ± 9.6 %           CAB         Mpp)         Y         5.51         67.96         18.15         100.0         ± 9.6 %           CAB         Mpps)         Y         5.51         67.76         17.93         100.0         ± 9.6 %           CAB         Mpps)         Y         5.64         68.30         18.32         2.55         100.0         ± 9.6 %           CAB         Mpps)         Y         5.64         68.03         18.28         100.0         ± 9.6 %           CAB         Mpps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           CAB         Mpps)         Y         5.29         67.38         17.78         1.99         100.0         ± 9.6 %           CAB	10065- CAB		X	5.12	67.42	17.25	1.21	100.0	± 9.6 %
10066- CAB         IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps)         X         5.18         67.55         17.48         1.46         100.0         ± 9.6 %           CAB         Y         5.19         67.76         17.66         100.0           00667- CAB         IEEE 802.11a/n WiFI 5 GHz (OFDM, 36         X         5.50         67.74         17.93         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.76         17.93         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.74         17.93         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.76         17.93         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.30         18.32         2.55         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 % <td></td> <td></td> <td>Y</td> <td></td> <td>67.61</td> <td></td> <td></td> <td></td> <td></td>			Y		67.61				
10066- CAB         IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps)         X         5.18         67.55         17.48         1.46         100.0         ± 9.6 %           CAB         Mbps)         Y         5.19         67.76         17.66         100.0         ± 9.6 %           CAB         Mbps)         Y         5.11         67.52         17.44         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.74         17.93         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.76         17.93         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.76         17.93         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.00         18.32         2.55         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.03         18.50         2.67         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           CAB         Mbps)         Y         5.22         67.59         17.76         1									
Z         5.11         67.52         17.44         100.0           10067- CAB         Mbps)         Y         5.50         67.74         17.95         2.04         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.96         18.15         100.0         ± 9.6 %           CAB         Mbps)         Y         5.51         67.96         18.15         100.0         ± 9.6 %           CAB         Mbps)         Y         5.61         68.06         18.32         2.55         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.30         18.28         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           CAB         (DSS:/OFDM, 9 Mbps)         Y         5.23         67.93         17.78         1.99         100.0         ± 9.6 %           CAB         (DSS:/OFDM, 12 Mbps)         Y         5.23         67.91         18.09         2.30         100.0         ± 9.6 %	10066- CAB		X				1.46		± 9.6 %
10067- CAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)         X         5.50         67.74         17.95         2.04         100.0         ± 9.6 % ± 9.6 %           CAB         Mbps)         Y         5.51         67.96         18.15         100.0         ± 9.6 %           CAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48         X         5.63         68.06         18.32         2.55         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.06         18.53         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.03         18.28         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.28         67.38         17.76         1.99         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.33         67.91         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 MBps) </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
CAB         Mbps)         Y         5.51         67.96         18.15         100.0           10068- CAB         IEEE 802.11a/n WiF1 5 GHz (OFDM, 48         X         5.63         68.06         18.32         2.55         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.30         18.53         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.30         18.53         100.0         ± 9.6 %           CAB         Mbps)         Y         5.76         68.03         18.50         2.67         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           CAB         MDSS         Y         5.28         67.38         17.78         1.99         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.23         67.40         17.76         100.0         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.33         67.91         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.46									
Z         5.44         67.76         17.93         100.0           10068- CAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48         X         5.63         68.06         18.52         2.55         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.03         18.53         100.0         ± 9.6 %           CAB         Mbps)         Y         5.64         68.03         18.28         100.0         ± 9.6 %           CAB         Mbps)         Y         5.74         68.03         18.26         2.67         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.03         18.48         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.72         67.38         17.76         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.29         67.59         17.97         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.46         68.24         18.51         2.83         100.0	10067- CAB						2.04		± 9.6 %
10068- CAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)         X         5.63         68.06         18.32         2.55         100.0         ± 9.6 %           10069- CAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         Y         5.64         68.03         18.53         100.0         100.0           10069- CAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         X         5.71         68.03         18.60         2.67         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         100.0           10074- CAB         IEEE 802.11g WiFi 2.4 GHz         X         5.28         67.59         17.77         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.23         67.40         17.76         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.46         68.24         18.50         100.0         100.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
CAB         Mbps)         Y         5.64         68.30         18.53         100.0           10069- CAB         IEEE 802.11a/h WIFI 5 GHz (OFDM, 54         X         5.71         68.03         18.28         100.0           10069- CAB         IEEE 802.11a/h WIFI 5 GHz (OFDM, 54         X         5.71         68.03         18.74         100.0           10071- CAB         IEEE 802.11g WIFI 2.4 GHz         X         5.28         67.38         17.78         1.99         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.29         67.59         17.97         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.33         67.91         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.09         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.34         68.14         18.07         100.0           10073-         IEEE 802.11g WIF12.4 GHz         X         5.46         68.24         18.74         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.54         68.51									
Z         5.56         68.03         18.28         100.0           10069- CAB         IEEE 802.11a/h WIFI 5 GHz (OFDM, 54         X         5.71         68.03         18.50         2.67         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.03         18.74         100.0         ± 9.6 %           CAB         Y         5.72         68.29         18.74         100.0         ± 9.6 %           10071-         IEEE 802.11g WIFI 2.4 GHz         X         5.28         67.38         17.77         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.29         67.50         17.97         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         67.91         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.24         18.50         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.46         68.24         18.51         2.83         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.48         68.51         18.74         10	10068- CAB	•					2.55		±9.6 %
10069- CAB         IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)         X         5.71         68.03         18.50         2.67         100.0         ± 9.6 %           CAB         Mbps)         Y         5.72         68.29         18.74         100.0         ± 9.6 %           10071- (DSSS/OFDM, 9 Mbps)         Z         5.64         68.03         18.48         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.29         67.59         17.77         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.29         67.59         17.97         100.0         ± 9.6 %           10072- (DSSS/OFDM, 12 WiFi 2.4 GHz         X         5.33         67.91         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.46         68.24         18.51         2.83         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.48         68.30         18.76         3.30         100.0         ± 9.6 %           CAB         (DSSS/OF									
CAB         Mbps)         Y         5.72         68.29         18.74         100.0           10071- CAB         IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)         X         5.28         67.38         17.78         1.99         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.29         67.59         17.97         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.29         67.59         17.97         100.0           10072- (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.34         68.14         18.07         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.48         68.51         18.74         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 24 GHz         X         5.49         68.30         18.76         3.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 24 Mbps)         Y									
Z         5.64         68.03         18.48         100.0           10071- (DSS/OFDM, 9 Mbps)         Y         5.28         67.38         17.78         1.99         100.0         ± 9.6 %           2         5.29         67.59         17.77         100.0         ± 9.6 %           2         5.23         67.40         17.76         100.0         ± 9.6 %           2         5.23         67.40         17.76         100.0         ± 9.6 %           2         5.23         67.40         17.76         100.0         ± 9.6 %           2         5.23         67.91         18.09         2.30         100.0         ± 9.6 %           2         5.28         67.91         18.07         100.0         ± 9.6 %           2         5.28         67.91         18.07         100.0         ± 9.6 %           2         5.46         68.24         18.51         2.83         100.0         ± 9.6 %           2         5.40         68.51         18.74         100.0         ± 9.6 %           2         5.40         68.30         18.76         3.30         100.0         ± 9.6 %           2         5.44         68.31         18.74	10069- CAB						2.67		± 9.6 %
10071- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)         X         5.28         67.38         17.78         1.99         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 9 Mbps)         Y         5.29         67.59         17.97         100.0         100.0           CAB         (DSSS/OFDM, 12 Mbps)         Z         5.23         67.40         17.76         100.0         100.0           10072- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         X         5.33         67.91         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.46         68.24         18.51         2.83         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.48         68.51         18.74         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 24 Mbps)         Y         5.54         68.30         18.76         3.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 24 Mbps)         Y         5.51         68.58         19.00         100.0         ±			-						
CAB         (DSSS/OFDM, 9 Mbps)         Y         5.29         67.59         17.97         100.0           10072-         IEEE 802.11g WiFi 2.4 GHz         Z         5.23         67.40         17.76         100.0           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.33         67.91         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.07         100.0         100.0           10073-         IEEE 802.11g WiFi 2.4 GHz         X         5.46         68.24         18.51         2.83         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.48         68.51         18.74         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0         100.0							4.00		100%
Z         5.23         67.40         17.76         100.0           10072- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)         X         5.33         67.91         18.09         2.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.30         100.0           10073- CAB         IEEE 802.11g WiFi 2.4 GHz         X         5.46         68.24         18.51         2.83         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.48         68.51         18.74         100.0           10074- CAB         IEEE 802.11g WiFi 2.4 GHz         X         5.49         68.30         18.76         3.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 24 Mbps)         Y         5.51         68.58         19.00         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 36 Mbps)         Y         5.63         68.74         19.25         3.82         90.0         ± 9.6 %           CAB         (DSSS/OFDM, 36 Mbps)         Y         5.66							1.99		±9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
CAB         (DSSS/OFDM, 12 Mbps)         Y         5.34         68.14         18.30         100.0           10073-         IEEE 802.11g WiFi 2.4 GHz         X         5.28         67.91         18.07         100.0           10073-         IEEE 802.11g WiFi 2.4 GHz         X         5.46         68.24         18.51         2.83         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 18 Mbps)         Y         5.48         68.51         18.74         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 24 GHz         X         5.49         68.30         18.76         3.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 24 Mbps)         Y         5.51         68.58         19.00         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 36 Mbps)         Y         5.51         68.58         19.00         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 36 Mbps)         Y         5.51         68.58         19.00         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 36 Mbps)         Y         5.66         69.06         19.51         90.0         ± 9.6 %           CAB         (DSSS/OFDM, 48 Mbps)         Y         5.66 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td><td></td><td>10.0%</td></td<>							0.00		10.0%
Z         5.28         67.91         18.07         100.0           10073- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)         X         5.46         68.24         18.51         2.83         100.0         ± 9.6 %           10074- CAB         V         5.48         68.51         18.74         100.0         ± 9.6 %           10074- CAB         V         5.48         68.51         18.74         100.0         ± 9.6 %           10074- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         X         5.49         68.30         18.76         3.30         100.0         ± 9.6 %           10075- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         Y         5.51         68.58         19.00         100.0           10076- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         X         5.66         69.06         19.51         90.0           10076- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         X         5.64         68.56         19.38         4.15         90.0         ± 9.6 %           CAB         (DSSS/OFDM, 54 Mbps)         Y         5.68         68.64         19.49         4.30         90.0         ± 9.6 %           CAB         (DSSS/OFDM, 54 Mbps)				1			2.30		± 9.0 %
10073- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)       X       5.46       68.24       18.51       2.83       100.0       ± 9.6 %         10074- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)       Y       5.48       68.51       18.74       100.0         10074- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)       X       5.49       68.30       18.76       3.30       100.0       ± 9.6 %         10075- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)       Y       5.51       68.58       19.00       100.0         10075- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)       X       5.63       68.74       19.25       3.82       90.0       ± 9.6 %         10076- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)       X       5.64       68.56       19.38       4.15       90.0       ± 9.6 %         10076- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)       X       5.64       68.56       19.38       4.15       90.0       ± 9.6 %         10077- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)       Y       5.68       68.64       19.49       4.30       90.0       ± 9.6 %         CAB       (DSSS/OFDM, 54 Mbps)       Y       5.71       68.99				*					
Y       5.48       68.51       18.74       100.0         10074- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)       X       5.49       68.30       18.76       3.30       100.0       ± 9.6 %         10075- CAB       (DSSS/OFDM, 34 Mbps)       Y       5.51       68.58       19.00       100.0       ± 9.6 %         10075- CAB       (DSSS/OFDM, 36 Mbps)       Y       5.51       68.74       19.25       3.82       90.0       ± 9.6 %         10075- CAB       (DSSS/OFDM, 36 Mbps)       Y       5.66       69.06       19.51       90.0       ± 9.6 %         10076- CAB       (DSSS/OFDM, 48 Mbps)       Y       5.66       69.06       19.51       90.0       ± 9.6 %         10076- CAB       (DSSS/OFDM, 48 Mbps)       Y       5.68       68.89       19.38       4.15       90.0       ± 9.6 %         10076- CAB       (DSSS/OFDM, 48 Mbps)       Y       5.68       68.89       19.66       90.0       ± 9.6 %         10077- CAB       (DSSS/OFDM, 54 Mbps)       Y       5.68       68.64       19.49       4.30       90.0       ± 9.6 %         CAB       (DSSS/OFDM, 54 Mbps)       Y       5.71       68.99       19.77       90.0       ± 9.6 % <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.83</td> <td></td> <td>± 9.6 %</td>							2.83		± 9.6 %
Z         5.40         68.25         18.50         100.0           10074- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)         X         5.49         68.30         18.76         3.30         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 24 Mbps)         Y         5.51         68.58         19.00         100.0         ± 9.6 %           CAB         (DSSS/OFDM, 24 Mbps)         Y         5.51         68.58         19.00         100.0         ± 9.6 %           10075- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         X         5.63         68.74         19.25         3.82         90.0         ± 9.6 %           CAB         (DSSS/OFDM, 36 Mbps)         Y         5.66         69.06         19.51         90.0         ± 9.6 %           CAB         (DSSS/OFDM, 36 Mbps)         Y         5.66         69.06         19.51         90.0         ± 9.6 %           10076- CAB         IEEE 802.11g WiFi 2.4 GHz         X         5.64         68.56         19.38         4.15         90.0         ± 9.6 %           CAB         (DSSS/OFDM, 48 Mbps)         Y         5.68         68.64         19.49         4.30         90.0         ± 9.6 %           CAB         (DSSS/OF									
10074- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)       X       5.49       68.30       18.76       3.30       100.0       ± 9.6 %         CAB       (DSSS/OFDM, 24 Mbps)       Y       5.51       68.58       19.00       100.0       100.0         Image: CAB       Image: CAB       Y       5.51       68.58       19.00       100.0       100.0         Image: CAB       Image: CAB       Y       5.61       68.31       18.74       100.0       100.0         10075- CAB       IEEE 802.11g WiFi 2.4 GHz       X       5.63       68.74       19.25       3.82       90.0       ± 9.6 %         10076- CAB       (DSSS/OFDM, 36 Mbps)       Y       5.66       69.06       19.51       90.0       100.0         10076- CAB       IEEE 802.11g WiFi 2.4 GHz       X       5.64       68.56       19.38       4.15       90.0       ± 9.6 %         CAB       (DSSS/OFDM, 48 Mbps)       Y       5.68       68.89       19.66       90.0       19.66       90.0       19.6 %         IO077- CAB       (DSSS/OFDM, 54 Mbps)       Y       5.68       68.64       19.49       4.30       90.0       ± 9.6 %         IO077- CAB       (DSSS/OFDM, 54 Mbps)       Y			Z	5.40	68.25				
Z         5.44         68.31         18.74         100.0           10075- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)         X         5.63         68.74         19.25         3.82         90.0         ± 9.6 %           V         5.66         69.06         19.51         90.0         100.0           IO076- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         X         5.64         68.56         19.38         4.15         90.0         ± 9.6 %           10076- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         X         5.64         68.56         19.38         4.15         90.0         ± 9.6 %           10077- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         Y         5.68         68.64         19.49         4.30         90.0         ± 9.6 %           10077- CAB         (DSSS/OFDM, 54 Mbps)         Y         5.71         68.99         19.77         90.0         ± 9.6 %			X	5.49			3.30		± 9.6 %
10075- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)       X       5.63       68.74       19.25       3.82       90.0       ± 9.6 %         V       5.66       69.06       19.51       90.0       100.0         V       5.66       69.06       19.51       90.0       100.0         10076- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)       X       5.64       68.56       19.38       4.15       90.0       ± 9.6 %         10076- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)       Y       5.68       68.89       19.66       90.0       10.0         10077- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)       Y       5.68       68.64       19.49       4.30       90.0       ± 9.6 %         Y       5.71       68.99       19.77       90.0       ± 9.6 %									-l
CAB       (DSSS/OFDM, 36 Mbps)       Y       5.66       69.06       19.51       90.0         10076-       IEEE 802.11g WiFi 2.4 GHz       X       5.64       68.56       19.38       4.15       90.0         10076-       IEEE 802.11g WiFi 2.4 GHz       X       5.64       68.56       19.38       4.15       90.0         10077-       IEEE 802.11g WiFi 2.4 GHz       X       5.68       68.89       19.66       90.0         10077-       IEEE 802.11g WiFi 2.4 GHz       X       5.68       68.64       19.49       4.30       90.0         10077-       IEEE 802.11g WiFi 2.4 GHz       X       5.68       68.64       19.49       4.30       90.0       ± 9.6 %         CAB       (DSSS/OFDM, 54 Mbps)       Y       5.71       68.99       19.77       90.0       ± 9.6 %							<u> </u>		
Z         5.57         68.71         19.21         90.0           10076- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)         X         5.64         68.56         19.38         4.15         90.0         ± 9.6 %           V         5.68         68.89         19.66         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±         90.0         ±<							3.82		± 9.6 %
10076- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)       X       5.64       68.56       19.38       4.15       90.0       ± 9.6 %         Y       5.68       68.89       19.66       90.0       ±       ±       10070         IEEE 802.11g WiFi 2.4 GHz CAB       Z       5.60       68.57       19.36       90.0       ±       90.0         10077- CAB       IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)       X       5.68       68.64       19.49       4.30       90.0       ±       9.6 %         Y       5.71       68.99       19.77       90.0       ±       90.0       ±									
CAB         (DSSS/OFDM, 48 Mbps)         Y         5.68         68.89         19.66         90.0           Image: CAB         Z         5.60         68.57         19.36         90.0         10077-           IEEE 802.11g WiFi 2.4 GHz CAB         X         5.68         68.64         19.49         4.30         90.0         ± 9.6 %           CAB         (DSSS/OFDM, 54 Mbps)         Y         5.71         68.99         19.77         90.0									1000
Z         5.60         68.57         19.36         90.0           10077- CAB         IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)         X         5.68         68.64         19.49         4.30         90.0         ± 9.6 %           Y         5.71         68.99         19.77         90.0							4.15		± 9.6 %
10077- CAB         IEEE 802.11g WiFi 2.4 GHz         X         5.68         68.64         19.49         4.30         90.0         ± 9.6 %           V         5.71         68.99         19.77         90.0         19.6%							1		ļ
CAB         (DSSS/OFDM, 54 Mbps)         Y         5.71         68.99         19.77         90.0							1.00		
							4.30		± 9.6 %
			Y Z	5.71 5.64	68.99 68.66	19.77	<u> </u>	90.0 90.0	

10081- CAB	CDMA2000 (1xRTT, RC3)	X	0.88	65.55	12.70	0.00	150.0	± 9.6 %
		Y	1.01	67.94	14.05		150.0	
		Ż	0.82	64.98	12.07	· · · ·	150.0	·
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	X	2.05	63.91	8.77	4.77	80.0	± 9.6 %
		Y	2.06	64.02	8.81		80.0	<u> </u>
10000		Z	1.95	63.58	8.48		80.0	
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	119.26	30.80	6.56	60.0	± 9.6 %
		Y	100.00	119.04	30.70		60.0	
10097-	UMTS-FDD (HSDPA)	Z	100.00	118.90	30.53		60.0	
CAB		X	1.83	67.01	15.38	0.00	150.0	± 9.6 %
		Y Z	1.91	68.15	16.11		150.0	
10098-	UMTS-FDD (HSUPA, Subtest 2)	$\frac{z}{x}$	1.80	66.92	15.21		150.0	ļ
CAB		Y	1.79	66.97	15.34	0.00	150.0	± 9.6 %
			1.88	68.14	16.10		150.0	
10099-	EDGE-FDD (TDMA, 8PSK, TN 0-4)	ZX	1.76	66.87	15.18		150.0	
DAC		Y	20.23	105.10	36.53	9.56	60.0	± 9.6 %
			28.70	114.68	39.91		60.0	
10100-	LTE-FDD (SC-FDMA, 100% RB, 20	X	20.06 3.16	105.38	36.67		60.0	
CAC	MHz, QPSK)	Y		69.99	16.45	0.00	150.0	±9.6 %
			3.31	71.03	17.06		150.0	
10101-	LTE-FDD (SC-FDMA, 100% RB, 20	ZX	3.09	69.73	16.33		150.0	
CAC	MHz, 16-QAM)		3.32	67.51	15.87	0.00	150.0	± 9.6 %
		Y	3.38	68.00	16.23		150.0	
10102- CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	Z X	3.27 3.43	67.36 67.46	15.78 15.96	0.00	150.0 150.0	± 9.6 %
0,10		Y	0.47	07.00				<u> </u>
			3.47	67.89	16.28		150.0	
10103- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	Z X	<u>3.37</u> 8.65	67.33 78.54	15.88 21.48	3.98	150.0 65.0	±9.6 %
		Y	8.85	79.12	21.77		65.0	
		Ż	8.48	78.45	21.46	· · · · · · · · · · · · · · · · · · ·	65.0	
10104- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.46	76.91	21.40	3.98	65.0	±9.6 %
		Y	8.66	77.60	22.06		65.0	
<u> </u>		Z	8.34	76.89	21.66		65.0	· · · ·
10105- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	7.58	74.70	20.99	3.98	65.0	± 9.6 %
<u> </u>		Y	7.79	75.45	21.40		65.0	
40400		Z	7.31	74.25	20.79		65.0	• "
10108- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.79	69.24	16.28	0.00	150.0	± 9.6 %
		Y	2.91	70.28	16.91		150.0	
10100		Z	2.71	69.00	16.16		150.0	
10109- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.98	67.28	15.76	0.00	150.0	±9.6 %
		Y	3.03	67.83	16.15		150.0	
10110		Z	2.92	67.15	15.65		150.0	
10110- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.28	68.31	15.91	0.00	150.0	±9.6 %
<u> </u>		Ý	2.39	69.47	16.63		150.0	
40444		Z	2.21	68.09	15.75		150.0	
10111- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.66	67.75	15.94	0.00	150.0	± 9.6 %
		Y	2.72	68.40	16.37	·	150.0	
		Z						

10112- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.11	67.26	15.82	0.00	150.0	± 9.6 %
		Y	3.15	67.75	16.17		150.0	
		Z	3.05	67.15	15.72		150.0	
10113- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.82	67.88	16.07	0.00	150.0	± 9.6 %
		Y	2.87	68.46	16.46		150.0	
		Z	2.76	67.81	15.94		150.0	
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	Х	5.24	67.28	16.46	0.00	150.0	±9.6 %
		Y	5.25	67.46	16.63		150.0	
		Z	5.20	67.29	16.46		150.0	
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.61	67.64	16.65	0.00	150.0	± 9.6 %
		Y	5.61	67.79	16.81		150.0	
		Z	5.52	67.52	16.58		150.0	
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	Х	5.36	67.55	16.52	0.00	150.0	± 9.6 %
		Y	5.37	67.74	16.69		150.0	
		Z	5.32	67.53	16.51		150.0	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.22	67.23	16.45	0.00	150.0	± 9.6 %
		Y	5.23	67.39	16.61		150.0	
		Z	5.17	67.16	16.41		150.0	
10118- CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)	X	5.69	67.85	16.77	0.00	150.0	± 9.6 %
		Y	5.70	68.02	16.93		150.0	
		Z	5.63	67.79	16.73		150.0	
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)	X	5.34	67.49	16.51	0.00	150.0	± 9.6 %
••••		Y	5.35	67.67	16.67		150.0	
		Z	5.29	67.47	16.49		150.0	
10140- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.47	67.47	15.89	0.00	150.0	± 9.6 %
		Y	3.51	67.91	16.21		150.0	
		Z	3.41	67.34	15.80	<b> _</b>	150.0	
10141- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.59	67.54	16.05	0.00	150.0	± 9.6 %
		Y	3.63	67.94	16.35		150.0	
		Z	3.53	67.43	15.97		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.05	68.16	15.60	0.00	150.0	± 9.6 %
		Y	2.17	69.48	16.39		150.0	
		Z	1.97	67.92	15.36		150.0	
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.51	68.28	15.68	0.00	150.0	± 9.6 %
		Y	2.59	69.11	16.17		150.0	
		Z	2.43	68.15	15.43		150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.35	66.54	14.37	0.00	150.0	± 9.6 %
		Y	2.42	67.28	14.84		150.0	
		Z	2.27	66.32	14.07		150.0	
10145- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.37	65.72	12.66	0.00	150.0	± 9.6 %
		Y	1.46	66.99	13.37		150.0	
		Z	1.25	64.89	11.82		150.0	
10146- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	3.11	71.69	15.06	0.00	150.0	± 9.6 %
		Y	3.87	74.93	16.48		150.0	
		Z	2.20	67.57	12.72		150.0	
10147- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.99	75.14	16.65	0.00	150.0	± 9.6 %
0,0		Y	5.26	79.21	18.27		150.0	
		Ż	2.59	69.69	13.85	-1	150.0	1

10149- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.99	67.34	15.80	0.00	150.0	± 9.6 %
┝───		Y	3.04	67.88	16.19	<u> </u>	150.0	+
		Z	2.93	67.20	15.70	<u> </u>	150.0	
10150- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.11	67.30	15.85	0.00	150.0	± 9.6 %
		Y	3.16	67.79	16.21		150.0	
40454		Z	3.05	67.19	15.76		150.0	
10151- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.14	80.78	22.44	3.98	65.0	± 9.6 %
		Y	9.49	81.66	22.85		65.0	
10152-		Z	9.14	81.08	22.55		65.0	1
CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	8.08	77.12	21.52	3.98	65.0	± 9.6 %
		Y	8.33	77.95	21.96		65.0	
10153-		Z	7.95	77.09	21.46		65.0	
CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	8.46	77.89	22.17	3.98	65.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	8.68	78.63	22.56		65.0	
10154-		Z	8.36	77.94	22.15		65.0	
CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.33	68.67	16.15	0.00	150.0	± 9.6 %
		Y	2.44	69.83	16.86		150.0	·
10155-		Z	2.25	68.43	15.98		150.0	
CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.66	67.76	15.95	0.00	150.0	±9.6%
		Y	2.72	68.41	16.38		150.0	
10156-	LTE EDD (DO ED) LA ERA( DD E ANI	Z	2.60	67.68	15.82		150.0	
CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.90	68.21	15.44	0.00	150.0	± 9.6 %
		Y	2.03	69.70	16.30		150.0	
10457		Z	1.81	67.89	15.12		150.0	
10157- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.18	67.00	14.41	0.00	150.0	± 9.6 %
		Ý	2.26	67.93	14.96		150.0	·
10158-		Z	2.09	66.73	14.04		150.0	
CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.82	67.92	16.11	0.00	150.0	± 9.6 %
······		Y	2.87	68.51	16.50		150.0	
40450		Z	2.76	67.86	15.98		150.0	
10159- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.28	67.39	14.67	0.00	150.0	± 9.6 %
		Y	2.36	68.28	15.19		150.0	
40400		Z	2.18	67.11	14.29		150.0	
10160- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.82	68.45	16.16	0.00	150.0	± 9.6 %
		Y	2.91	69.30	16.70		150.0	
10101		Z	2.76	68.35	16.07		150.0	<b></b>
10161- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.01	67.20	15.78	0.00	150.0	± 9.6 %
		Y	3.05	67.71	16.14		150.0	
10160		Z	2.95	67.10	15.68		150.0	
10162- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	×	3.11	67.31	15.88	0.00	150.0	±9.6 %
		Y	3.16	67.80	16.23		150.0	
10100		Ζ	3.06	67.24	15.78	_	150.0	
10166- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	3.96	70.63	19.76	3.01	150.0	± 9.6 %
		Y	4.08	71.58	20.41		150.0	
10467		Z	3.69	69.63	19.19		150.0	
10167- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.16	74.36	20.54	3.01	150.0	± 9.6 %
		Y	5.47	75.00	04.44			
		z	4.54	75.92	21.41		150.0	

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10168-	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz,	X	5.71	76.55	21.79	3.01	150.0	± 9.6 %
CAD	64-QAM)	<b> </b>					1.0.0	
		Y	6.04	78.08	22.60		150.0	
10100		Z	4.98	74.53	20.87		150.0	
10169- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.56	71.66	20.23	3.01	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	3.72	73.10	21.16		150.0	
		Z ]	3.12	69.36	19.09		150.0	
10170- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	5.50	79.49	23.11	3.01	150.0	± 9.6 %
		Y	6.14	82.25	24.43		150.0	
		Z	4.23	74.96	21.26		150.0	
10171- AAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	4.39	74.63	20.21	3.01	150.0	± 9.6 %
		Y	4.87	77.16	21.52		150.0	
		Z	3.55	71.26	18.74		150.0	
10172- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	36.90	115.61	35.71	6.02	65.0	± 9.6 %
		Y	89.16	134.58	40.97		65.0	
		Z	21.04	105.02	32.65		65.0	
10173- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	54.93	117.26	34.23	6.02	65.0	±9.6%
		Y	100.00	128.92	37.35		65.0	
		Z	30.85	107.44	31.57		65.0	
10174- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	39.60	109.76	31.68	6.02	65.0	± 9.6 %
		Y	70.95	120.74	34.73		65.0	
		Z	23.48	101.22	29.25		65.0	
10175- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.51	71.32	19.98	3.01	150.0	±9.6 %
		Y	3.68	72.77	20.92		150.0	
		Z	3.08	69.09	18.87		150.0	
10176- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	5.51	79.52	23.12	3.01	150.0	± 9.6 %
		Y	6.15	82.28	24.44		150.0	
		Z	4.23	74.98	21.27		150.0	
10177- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.54	71.49	20.08	3.01	150.0	± 9.6 %
		Y	3.71	72.93	21.01		150.0	
		Z	3.11	69.22	18.95		150.0	
10178- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	5.43	79.21	22.98	3.01	150.0	± 9.6 %
0/10		Y	6.06	81.97	24.30		150.0	
		Z	4.19	74.78	21.16		150.0	
10179- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.90	76.90	21.51	3.01	150.0	± 9.6 %
		Y	5.47	79.59	22.84		150.0	
		Ż	3.86	73.02	19.88		150.0	
10180- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	4.38	74.54	20.15	3.01	150.0	± 9.6 %
		Y	4.86	77.07	21.46	T	150.0	
		Z	3.54	71.20	18.69		150.0	
10181- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.54	71.47	20.07	3.01	150.0	± 9.6 %
		Y	3.70	72.91	21.00	1	150.0	_
		Z	3.10	69.21	18.95		150.0	
10182- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	5.42	79.19	22.97	3.01	150.0	± 9.6 %
		Y	6.05	81.94	24.29		150.0	
		Z	4.19	74.76	21.15		150.0	
10183- AAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	4.37	74.51	20.14	3.01	150.0	± 9.6 %
		Y	4.85	77.04	21.45		150.0	
1		Z	3.53	71.17	18.68	-1	150.0	1

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10184-	LTE-FDD (SC-FDMA, 1 RB, 3 MHz,	X	3.55	71.52	20.09	3.01	150.0	± 9.6 %
CAD	QPSK)	+		<u> </u>				- 0.0 /
		Y Z	<u>3.72</u> 3.11	72.96	21.02	<u> </u>	150.0	
10185- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	5.45	79.27	<u>18.97</u> 23.00	3.01	150.0 150.0	± 9.6 %
		Y	6.09	82.03	24.33	<u> </u>	450.0	
_		z	4.20	74.82	24.33	·	150.0	+
10186- AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	4.39	74.59	20.17	3.01	150.0 150.0	± 9.6 %
		Y	4.88	77.13	21.49		150.0	
10187-		Z	3.55	71.24	18.71		150.0	
CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.56	71.57	20.15	3.01	150.0	± 9.6 %
		Y	3.73	73.01	21.08		150.0	
10188-	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz,	Z	3.12	69.30	19.03		150.0	
CAD	16-QAM)	X Y	5.67	80.08	23.42	3.01	150.0	± 9.6 %
			6.33	82.86	24.73		150.0	
10189-	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz,	Z X	4.33	75.42	21.53		150.0	ļ
AAD	64-QAM)	Y	4.51	75.09	20.47	3.01	150.0	± 9.6 %
		Z	5.01 3.62	77.67	21.79	<u> </u>	150.0	ļ
10193- CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.64	66.65	18.97 16.17	0.00	150.0 150.0	± 9.6 %
		T Y	4.65	00.04	40.05			
		Z	4.65	66.84	16.35		150.0	
10194- CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.82	66.64 67.00	16.13 16.30	0.00	150.0 150.0	± 9.6 %
		Y	4.83	67.19	16.48		150.0	<u>}</u>
		Z	4.76	66.96	16.26		150.0	·
10195- CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.87	67.02	16.31	0.00	150.0	± 9.6 %
		Y	4.87	67.22	16.49		150.0	
10100		Z	4.81	67.00	16.28		150.0	
10196- CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	х	4.65	66.74	16.20	0.00	150.0	± 9.6 %
		Y	4.66	66.93	16.38		150.0	
10407		Z	4.59	66.71	16.15		150.0	
10197- CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)	X	4.84	67.02	16.31	0.00	150.0	± 9.6 %
		Y	4.85	67.22	16.49		150.0	
10198-	IEEE 802.11n (HT Mixed, 65 Mbps, 64-	Z	4.78	66.99	16.27		150.0	
CAB	QAM)	X	4.87	67.04	16.32	0.00	150.0	± 9.6 %
		Y	4.88	67.24	16.50		150.0	
0219- CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	Z X	<u>4.81</u> 4.60	67.01 66.74	<u>16.29</u> 16.16	0.00	150.0 150.0	± 9.6 %
		Y	4.61	66.94	16.04		450.0	
		Z	4.61	66.71	16.34		150.0	
0220- CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	X	4.84	67.00	<u>16.11</u> 16.31	0.00	150.0 150.0	± 9.6 %
		Y	4.84	67.20	16.48		150.0	
		Z	4.77	66.96	16.26	·	150.0	
0221- CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)	X	4.88	66.97	16.31	0.00	150.0	± 9.6 %
		Y	4.89	67.16	16.49		150.0	
0000		Z	4.82	66.95	16.28	· ·	150.0	
0222- CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.20	67.24	16.45	0.00	150.0	± 9.6 %
		Y	5.21	67.41	16.61		150.0	
	1 1	Z	5.15	67.17	16.40		150.0	

10223- CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16- QAM)	X	5.54	67.51	16.61	0.00	150.0	± 9.6 %
		Y	5.54	67.65	16.76		150.0	
		Z	5.46	67.41	16.55		150.0	
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64- QAM)	X	5.24	67.33	16.42	0.00	150.0	± 9.6 %
		Y	5.25	67.50	16.58		150.0	
		Z	5.19	67.27	16.38		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	2.89	66.01	15.34	0.00	150.0	± 9.6 %
		Y	2.91	66.41	15.64		150.0	
		Z	2.83	65.96	15.20		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	×	60.00	119.05	34.79	6.02	65.0	± 9.6 %
		Y	100.00	129.10	37.47		65.0	
		Z	33.08	108.86	32.05		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	44.36	111.89	32.33	6.02	65.0	± 9.6 %
		Y	77.77	122.52	35.25		65.0	
		Z	27.85	104.26	30.19		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	40.71	118.07	36.50	6.02	65.0	± 9.6 %
		Y	92.59	135.95	41.44		65.0	
		Z	26.22	109.78	34.13		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	54.96	117.26	34.24	6.02	65.0	± 9.6 %
		Y	100.00	128.91	37.35		65.0	
		Z	30.93	107.47	31.58		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	41.37	110.53	31.89	6.02	65.0	± 9.6 %
		Υ	71.92	120.98	34.79		65.0	
		Z	26.25	103.12	29.80		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	37.97	116.54	36.00	6.02	65.0	± 9.6 %
		Y	84.76	133.97	40.88		65.0	
		Z	24.71	108.49	33.69		65.0	
10232- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	54.99	117.28	34.24	6.02	65.0	± 9.6 %
		Y	100.00	128.92	37.35		65.0	
		Z	30.92	107.48	31.58		65.0	
10233- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	41.40	110.55	31.90	6.02	65.0	± 9.6 %
		Y	72.14	121.04	34.81		65.0	
		Z	26.24	103.13	29.80		65.0	
10234- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	35.49	114.97	35.47	6.02	65.0	± 9.6 %
		Y	77.34	131.82	40.23		65.0	
		Z	23.39	107.20	33.21		65.0	
10235- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	55.28	117.39	34.27	6.02	65.0	± 9.6 %
		Y	100.00	128.93	37.36		65.0	l
		Z	31.03	107.56	31.61		65.0	
10236- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	41.91	110.74	31.95	6.02	65.0	± 9.6 %
		Y	73.33	121.30	34.87		65.0	
		Z	26.52	103.28	29.84		65.0	<u> </u>
10237- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	38.41	116.80	36.08	6.02	65.0	± 9.6 %
		Y	86.80	134.49	41.01		65.0	1
		Z	24.91	108.68	33.74	1	65.0	
10238- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	55.05	117.31	34.25	6.02	65.0	± 9.6 %
		Y	100.00	128.93	37.35		65.0	

10239- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	41.42	110.58	31.91	6.02	65.0	± 9.6 %
		Y	72.33	121.11	34.83	<u>├</u>	65.0	
		Z	26.22	103.13	29.80	<u> </u>	65.0	
10240- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	38.25	116.72	36.05	6.02	65.0	± 9.6 %
		Y	86.28	134.37	40.98		65.0	·· · · · · · · · · · · · · · · · · · ·
		Z	24.82	108.62	33.73		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	12.92	88.42	28.30	6.98	65.0	±9.6 %
		Y	14.47	91.50	29.64		65.0	+
		Z	11.71	86.68	27.54	· · · · · · · · · · · · · · · · · · ·	65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	12.30	87.28	27.78	6.98	65.0	± 9.6 %
		Y	13.91	90.55	29.21		65.0	1
10010		Z	10.78	84.84	26.74		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	9.57	83.58	27.27	6.98	65.0	± 9.6 %
······		Y	10.70	86.76	28.80		65.0	· · · · ·
		Z	8.63	81.57	26.33		65.0	1
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	9.97	81.73	21.53	3.98	65.0	± 9.6 %
		Y	10.43	82.64	21.91		65.0	1
40045		Z	8.76	79.58	20.36	·	65.0	T
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	9.75	81.12	21.26	3.98	65.0	± 9.6 %
· · · · ·		Y	10.17	81.97	21.61		65.0	<u> </u>
40040		Z	8.56	78.97	20.07		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	9.14	83.08	21.95	3.98	65.0	± 9.6 %
		Y	9.72	84.22	22.38		65.0	
10017		Z	8.89	82.67	21.56		65.0	[
10247- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	7.53	77.68	20.47	3.98	65.0	± 9.6 %
		Y	7.73	78.28	20.74		65.0	
100/0		Ζ	7.33	77.37	20.13		65.0	
10248- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	7.50	77.17	20.25	3.98	65.0	± 9.6 %
<u> </u>		Y	7.71	77.80	20.54		65.0	
		Ζ	7.27	76.81	19.89		65.0	
10249- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	10.17	85.08	23.35	3.98	65.0	± 9.6 %
		Y	10.94	86.52	23.90		65.0	
		Z	10.18	85.27	23.26		65.0	
10250- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.40	79.60	22.53	3.98	65.0	± 9.6 %
		Y	8.67	80.38	22.90		65.0	· · · · · · · · · · · · · · · · · · ·
10054		Ζ	8.32	79.67	22.46		65.0	
10251- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	7.96	77.51	21.40	3.98	65.0	±9.6%
		Y	8.23	78.35	21.83		65.0	
10050		Z	7.84	77.49	21.29		65.0	
10252- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	9.91	84.03	23.67	3.98	65.0	±9.6 %
		Y	10.54	85.36	24.22		65.0	
0000		Z	9.99	84.47	23.78		65.0	
10253- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	Х	7.87	76.54	21.30	3.98	65.0	±9.6 %
		Y	8.11	77.33	21.72		65.0	·
10054		Ζ	7.77	76.53	21.24		65.0	
10254- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.25	77.30	21.90	3.98	65.0	± 9.6 %
		Y	8.47	78.02	22.29		05.0	
		Ż	<u> </u>	10.02	22.23	1	65.0	

10255-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	X	8.82	80.37	22.51	3.98	65.0	± 9.6 %
CAC	QPSK)		0.40	04.00	00.05		05.0	
		Y	9.18	81.32	22.95		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	Z X	8.82 8.67	80.67 79.06	22.60 19.69	3.98	65.0 65.0	± 9.6 %
		Y	9.00	79.76	19.98		65.0	
		z	7.35	76.40	18.22		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	8.39	78.18	19.27	3.98	65.0	± 9.6 %
		Y	8.67	78.82	19.53		65.0	
		Z	7.11	75.57	17.80		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	7.67	79.80	20.11	3.98	65.0	±9.6 %
		Y	7.97	80.50	20.36		65.0	
		Z	7.13	78.64	19.35		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	7.87	78.36	21.19	3.98	65.0	± 9.6 %
		Y	8.11	79.04	21.50		65.0	
40000		Z	7.72	78.21	20.96	2.00	65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X Y	7.88	78.07	21.09	3.98	65.0	± 9.6 %
		Z	8.10 7.71	78.72 77.89	21.39		65.0 65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz,	X	9.63	83.94	20.85	3.98	65.0	± 9.6 %
	QPSK)	Y	10.30	85.33	23.81		65.0	
		z	9.64	84.17	23.22		65.0	
10262- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.39	79.56	22.49	3.98	65.0	± 9.6 %
0/10		Y	8.66	80.34	22.86		65.0	
		Z	8.31	79.62	22.42		65.0	
10263- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	7.95	77.50	21.40	3.98	65.0	± 9.6 %
		Y	8.22	78.34	21.82		65.0	
		Z	7.83	77.47	21.29		65.0	
10264- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	9.83	83.88	23.59	3.98	65.0	± 9.6 %
		Y	10.46	85.22	24.15		65.0	
		Z	9.91	84.30	23.70		65.0	
10265- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	8.08	77.12	21.52	3.98	65.0	± 9.6 %
		Y ·	8.33	77.96	21.96		65.0	
10266- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	7.95 8.45	77.09 77.88	21.47 22.16	3.98	65.0 65.0	± 9.6 %
0/10		Y	8.68	78.62	22.55	<u> </u>	65.0	
		Z	8.36	77.93	22.14	<u> </u>	65.0	
10267- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	9.12	80.75	22.43	3.98	65.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	9.47	81.62	22.84		65.0	
		Z	9.12	81.04	22.54		65.0	
10268- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.54	76.63	21.68	3.98	65.0	±9.6 %
		Y	8.73	77.26	22.04	1	65.0	
10269-	LTE-TDD (SC-FDMA, 100% RB, 15	Z X	8.44 8.47	76.63 76.21	21.67 21.58	3.98	65.0 65.0	± 9.6 %
CAC	MHz, 64-QAM)	+	0.04	70.00	04.04		05.0	
		Y	8.64	76.83	21.94	<u> </u>	65.0 65.0	
40070	LTE TOD (80 EDMA 400% DB 45	Z	8.37 8.62	76.22	21.56 21.50	3.98	65.0	± 9.6 %
10270- CAC	LTE-TDD (SC-FDMA, 100% RB, 15	^	0.02	10.00	21.00	0.90	00.0	- 5.0 /0
CAC	MHz, QPSK)	Y	8.81	78.56	21.80		65.0	

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.63	66.22	15.16	0.00	150.0	± 9.6 %
		Y	2.68	66.76	15.56	<u>+</u>	150.0	<u>+</u>
		Z	2.60	66.20	15.05	<u> </u>		
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.63	67.34	15.24	0.00	<u>150.0</u> 150.0	± 9.6 %
		Y	1.75	68.91	16.21		150.0	
		Z	1.59	67.10	15.04		150.0	·
10277- CAA	PHS (QPSK)	X	5.23	69.17	13.58	9.03	50.0	± 9.6 %
		Ý	5.23	69.14	13.54		50.0	· · · · ·
		Z	4.94	68.42	12.95		50.0	·
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	9.44	80.92	21.03	9.03	50.0	± 9.6 %
		Y	9.27	80.52	20.82		50.0	
40070		Z	8.80	79.60	20.21		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	9.60	81.11	21.12	9.03	50.0	± 9.6 %
·		Y	9.45	80.75	20.93		50.0	
40200		Ζ	8.93	79.76	20.30		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	X	1.49	68.14	14.07	0.00	150.0	± 9.6 %
		Y	1.71	70.53	15.29		150.0	
10291-	CDM42000 D02 0055 5 10 1	Z	1.38	67.47	13.43		150.0	
AAB	CDMA2000, RC3, SO55, Full Rate	X	0.87	65.35	12.59	0.00	150.0	± 9.6 %
		Y	0.98	67.67	13.90		150.0	
10000		Z	0.81	64.81	11.96		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	1.01	68.28	14.43	0.00	150.0	± 9.6 %
		Y	1.28	72.37	16.47		150.0	
40000		Z	0.94	67.61	13.77		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	1.31	72.09	16.62	0.00	150.0	± 9.6 %
		Y	1.86	78.07	19.28		150.0	
10295-	CDM40000 D04 000 4/01 D 4 00 4	Z	1.24	71.48	16.00		150.0	
AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	11.68	86.43	25.21	9.03	50.0	± 9.6 %
		Υ Υ	12.34	87.51	25.61		50.0	
10297-		Z	12.30	87.31	25.27		50.0	
AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.80	69.32	16.34	0.00	150.0	±9.6 %
		Y	2.92	70.37	16.97		150.0	
10298-			2.72	69.08	16.22		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.65	67.43	14.29	0.00	150.0	±9.6 %
		Y	1.78	69.00	15.16		150.0	
10299-	TE EDD (SO EDMA FOR DE ALM	Z	1.54	66.87	13.72		150.0	
AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.71	73.80	16.79	0.00	150.0	±9.6 %
		Y	4.50	76.98	18.19		150.0	
10300-	TE-EDD (SC EDMA FOX DD AND	Z	2.80	70.24	14.88		150.0	
AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.66	68.22	13.61	0.00	150.0	± 9.6 %
		Y	2.97	70.07	14.57		150.0	
10301- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	Z X	2.16 5.56	65.95 67.67	12.13 18.53	4.17	150.0 80.0	± 9.6 %
		Y	5.78	60 70	10.40		0.2.5	
		Z	5.51	68.72	19.18		80.0	
10302-	IEEE 802.16e WIMAX (29:18, 5ms,	X	6.08	67.68	18.44	4.00	80.0	
AAA	10MHz, QPSK, PUSC, 3 CTRL symbols)	Ŷ		68.43	19.36	4.96	80.0	± 9.6 %
·		Z	6.31	69.64	20.14		80.0	
· · · · · · · · · · · · · · · · · · ·		6	6.00	68.40	19.26		80.0	

Y         6,17         69,77         20,23         80.0           10304         IEEE 802,169 WIMAX (20:16, 5ms, AAA         X         5.57         67.76         18.57         4.17         80.0         ± 9.6 %           10304         IGMH-z, 64QAM, PUSC)         Y         5.77         68.85         19.27         80.0         1         9.6 %           10305         IEEE 602,166 WIMAX (31:15, 10ms, AAA         Y         7.842         24.99         6.02         50.0         ± 9.6 %           AAA         10MHz, 64QAM, PUSC, 15 symbols)         Y         9.80         85.05         27.90         50.0         ± 9.6 %           AAA         10MHz, 64QAM, PUSC, 18 symbols)         Y         6.78         73.45         22.69         50.0         ± 9.6 %           AAA         10MHz, 64QAM, PUSC, 18 symbols)         Y         6.63         74.74         22.75         50.0         ± 9.6 %           AAA         10MHz, 160AM, PUSC, 18 symbols)         Y         6.92         71.39         21.28         6.02         50.0         ± 9.6 %           AAA         10MHz, 160AM, PUSC, 18 symbols)         Y         7.04         74.34         22.30         60.0         ± 9.6 %           AAA         10MHz, 160AM, AWZ (29:18,	10303-	IEEE 802.16e WIMAX (31:15, 5ms,	X	5.91	68.44	19.38	4.96	80.0	± 9.6 %
Z         5.83         68.37         19.25         80.0           1004-1         IEEE 802.166 WiMAX (20:18, 5ms, X         5.57         67.76         18.57         4.17         80.0         ± 9.6 %           AAA         10MHz, 64QAM, PUSC)         Y         5.77         68.85         19.27         68.00         4.00.0           10030-         IEEE 602.166 WiMAX (31:15, 10ms, X         7.72         76.82         24.99         6.02         50.0         ± 9.6 %           AAA         10MHz, 64QAM, PUSC, 15 symbols)         Y         9.80         85.05         27.90         65.0         50.0         ± 9.6 %           AAA         10MHz, 64QAM, PUSC, 18 symbols)         Y         6.78         78.43         22.69         50.0         50.0         ± 9.6 %           7030-         IEEE 802.16e WiMAX (29:18, 10ms, X         6.73         74.34         22.91         50.0         ± 9.6 %           7030-         IEEE 802.16e WiMAX (29:18, 10ms, X         6.87         74.17         22.78         50.0         ± 9.6 %           AAA         10MHz, 16QAM, PUSC)         Y         6.82         73.87         23.29         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 223, 18 symbols)         Y	AAA	10MHz, 64QAM, PUSC)			00 ==	00.07			
10304- 104Hz, 640AM, PUSC)         X         5.57         67.76         18.57         4.17         80.0         ± 9.6 %           AAA         10MHz, 640AM, PUSC)         Y         5.77         68.85         19.27         80.0         -           10305- 10305- 104Hz, 640AM, PUSC, 15 symbols)         Y         5.77         78.82         24.99         6.02         50.0         ± 9.6 %           10304- 10305- 10306- 10306- 10306- 10307- 10307- 10307- 10307- 10307- 10307- 10307- 10307- 10307- 10307- 10307- 10307- 10307- 10307- 10307- 10308- 10417, QPSK, PUSC, 18 symbols)         Y         6.78         77.45         22.69         50.0         ± 9.6 %           AAA         10MHz, 640AM, PUSC, 18 symbols)         Y         6.08         70.81         21.17         6.02         50.0         ± 9.6 %           AAA         10MHz, 6204K, PUSC, 18 symbols)         Y         6.78         77.434         22.21         50.0         -         -         50.0         -         -         -         -         22.6 %         6.74.17         22.32         6.02         50.0         ± 9.6 %           AAA         10MHz, 160MA, MC203.18 symbols)         Y         6.29         71.13         21.36         6.02         50.0         ± 9.6 %           AAA         10MHz, 160M, AMC23.18 symb									
Y         5.77         68.85         19.27         9 80.0           10305         IEEE 802.166 WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)         X         7.72         78.82         24.99         6.02         50.0         ± 9.6 %           AAA         10MHz, 64QAM, PUSC, 15 symbols)         Y         9.80         85.05         27.90         56.0           10306-         IEEE 802.166 WIMAX (20:18, 10ms, AAA         X         7.68         78.78         24.73         56.0           10307-         IEEE 802.166 WIMAX (20:18, 10ms, AAA         X         6.09         70.06         20.96         50.0           10308-         IEEE 802.168 WIMAX (20:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)         Y         6.83         74.34         22.91         50.0           10308-         IEEE 802.468 WIMAX (20:18, 10ms, 10MHz, 10QAM, PUSC)         X         6.84         74.87         23.29         6.02         50.0           10309-         IEEE 802.468 WIMAX (29:18, 10ms, 10MHz, 10QAM, AMC 2x3, 18 symbols)         Y         7.04         74.84         22.92         50.0            10309-         IEEE 802.468 WIMAX (29:18, 10ms, 10MHz, 10QAM, AMC 2x3, 18 symbols)         Y         6.92         73.67         22.92         50.0          9.6 %							4.17		± 9.6 %
Z         5.49         67.73         18.47         80.0           10305- 10305- 10305- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10306- 10307- 10307- 1027         Y         9.80         85.05         27.90         50.0         ± 9.6 %           AAA         10MHz, 64QAM, PUSC, 16 symbols)         Y         6.19         70.81         21.17         6.02         50.0         ± 9.6 %           AAA         10MHz, 64QAM, PUSC, 18 symbols)         Y         6.78         73.45         22.86         50.0         ± 9.6 %           AAA         10MHz, QPSK, PUSC, 18 symbols)         Y         6.93         74.34         22.91         50.0         ± 9.6 %           AAA         10MHz, 16QAM, PUSC)         Y         7.93         74.34         23.20         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, PUSC)         Y         7.94         74.94         23.20         6.00         ± 9.6 %           AAA         10MHz, 16QAM, AC (29.18, 10ms, AAA         X         6.29         71.13         21.36         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AC (23.18, 10ms, AAA         X         6.18         70.09         21.13         60.0         50	<u> </u>		Y	5 77	68 85	19.27		80.0	
10305-         IEEE 802.16e WIMAX (21:15, 10ms, 10MHz, 84QAM, PUSC, 15 symbols)         X         7.72         78.82         24.99         6.02         50.0         ± 9.6%           AAA         10MHz, 84QAM, PUSC, 15 symbols)         Y         9.80         85.05         27.90         56.0           10306-         IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 16 symbols)         X         6.19         70.81         21.17         6.02         50.0         ± 9.6 %           10307-         IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, GPSK, PUSC, 16 symbols)         X         6.23         71.39         21.26         6.02         50.0         ± 9.6 %           10308-         IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 18QAM, PUSC)         Y         6.84         74.47         23.29         6.00         -           10308-         IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 18QAM, AMC 2x3, 18 symbols)         Y         6.92         71.43         23.10         50.0         ± 9.6 %           AAA         10MHz, 18QAM, AMC 2x3, 18 symbols)         Y         6.92         73.67         22.32         50.0         ± 9.6 %           AAA         10MHz, 18QAM, AMC 2x3, 18 symbols)         Y         6.92         73.67         22.56         50.0         ± 9.6 %           AAA         10MHz, 1									
Y         9.80         85.05         27.90         50.0           C         7.68         77.87         24.73         50.0           10306-         IEEE 802.16e WiMAX (28:18, 10ms, 10MHz, 642AM, PUSC, 18 symbols)         Y         6.78         73.45         22.69         50.0         ± 9.6 %           10307-         IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)         Y         6.78         74.34         22.91         50.0         ± 9.6 %           10308-         IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, IGGAM, PUSC)         Y         6.83         74.34         22.91         50.0         ± 9.6 %           10308-         IEEE 802.16e WiMAX (29:18, 10ms, AAA         X         6.27         71.13         21.35         6.02         50.0         ± 9.6 %           AAA         10MHz, 16GAM, AMC 2x3, 18 symbols         X         6.29         71.13         21.35         6.02         50.0         ± 9.6 %           AAA         10MHz, 16GAM, AMC 2x3, 18 symbols         X         6.19         70.81         21.13         50.0         ± 9.6 %           AAA         10MHz, 16GAM, 100% RB, 15         X         3.15         68.64         16.01         0.00         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)							6.02		± 9.6 %
10306- AAA         IEEE 802.16e WIMAX (29:18, 10ms, AAA         X         6.19         70.81         21.17         6.02         50.0         ± 9.6 %           10307- 10307- 10307- 10306- 10306- 10306- 10306- 10308- 10308- 10308- 10308- 10308- 10308- 10308- 10308- 10308- 10308- 10308- 10308- 10308- 104Hz, 160AM, PUSC)         Y         6.33         71.39         21.28         6.02         50.0         ± 9.6 %           AAA         10MHz, QPSK, PUSC, 18 symbols)         Y         6.33         74.34         22.91         50.0         ± 9.6 %           AAA         10MHz, IGOAM, PUSC)         Y         7.04         74.87         23.29         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC (29:18, 10ms, AAA         X         6.84         74.87         23.20         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 2x3, 18 symbols)         Y         6.92         73.87         22.92         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.92         73.87         22.92         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.75         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols) </td <td></td> <td></td> <td></td> <td>9.80</td> <td>85.05</td> <td>27.90</td> <td></td> <td>50.0</td> <td></td>				9.80	85.05	27.90		50.0	
AAA         10MHz, 64QAM, PUSC, 18 symbols)         Y         6.78         73.45         22.69         50.0           10307-         IEEE 802.16e WMAX (29:18, 10ms, AAA         X         6.23         71.39         21.26         6.02         50.0         ± 9.6 %           10307-         IEEE 802.16e WMAX (29:18, 10ms, AAA         X         6.23         71.39         21.26         6.02         50.0         ± 9.6 %           10308-         IEEE 802.16e WMAX (29:18, 10ms, AAA         X         6.84         74.47         23.29         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, PUSC)         Y         7.04         74.94         23.20         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 23:18, 10ms, AAA         X         6.29         71.13         21.36         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 23:18 10ms, AAA         X         6.29         71.13         21.36         6.02         50.0         ± 9.6 %           10310-         IEEE 802.16e WMAX (23:18 10ms, AAA         X         6.19         71.01         21.18         6.00         20.0         ± 9.6 %           10310-         IEEE 802.16e WMAX (23:18 19ms, 10MHz, QPSK, AMC 23.18 symbols)         Y									
Z         6.09         70.68         20.96         50.0         ± 9.6 %           AAA         10MHz, QPSK, PUSC, 18 symbols)         Y         6.03         74.34         22.91         50.0         ± 9.6 %           AAA         10MHz, QPSK, PUSC, 18 symbols)         Y         6.03         74.34         22.91         50.0         ± 9.6 %           10306-         IEEE 802.16e WIMAX (29:18, 10ms, AAA         Z         6.66         74.17         22.78         6.00         50.0         ± 9.6 %           AAA         10MHz, 16QAM, PUSC)         Y         7.04         74.83         23.10         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 29:18, 10ms, 160, X         6.29         71.13         21.38         6.02         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.92         73.87         22.92         50.0         103.0           10310-         IEEE 802.16e WIMAX (29.18, 10ms, A         6.18         70.98         21.13         6.02         50.0         103.0         104.2         50.0         105.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.76         50.0         105							6.02	5	± 9.6 %
10307-         IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)         X         6.23         71.39         21.28         6.02         50.0         ± 9.6 %           10308- 10308- 10308- 4AA         IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)         Y         6.93         74.34         22.91         50.0           10308- 10308- 4AA         IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)         Y         7.04         74.94         23.20         50.0         ± 9.6 %           AAA         10MHz, 16QAM, PUSC)         Y         7.04         74.94         23.20         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 2x3, 18 symbols)         Y         7.04         74.94         23.20         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 2x3, 18 symbols)         Y         6.92         73.87         22.75         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.75         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.75         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         3.37         68.40									
AAA         10MHz, QPSK, PUSC, 18 symbols)         7         6.33         74.34         22.91         50.0           10308-         IEEE 802.16e WiMAX (29:18, 10ms, AAA         6.84         74.37         22.29         6.02         50.0         ± 9.6 %           AAA         10MHz, 160AM, PUSC)         Y         7.04         74.94         23.20         50.0         ± 9.6 %           AAA         10MHz, 160AM, PUSC)         Y         7.04         74.94         23.20         50.0         ± 9.6 %           AAA         10MHz, 160AM, AMC 2x3, 18 symbols)         X         6.29         71.13         21.36         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 2x3, 18 symbols)         Y         6.92         73.87         22.92         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.75         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.75         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         3.28         69.57         16.56         150.0         ± 9.6 %           AAB <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
Z         6.66         74.17         22.78         50.0           10308- AAA         10MHz, 16QAM, PUSC)         Y         7.04         74.97         23.29         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, PUSC)         Y         7.04         74.94         23.20         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC (29.18, 10ms, AAA         X         6.27         74.83         23.10         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC (29.18, 10ms, AAA         X         6.29         71.13         21.36         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 22:18, 10ms, AX         K         6.19         71.13         21.18         6.02         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.75         50.0         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         5.82         73.76         12.18         60.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         5.82         73.55         22.58         60.0         ± 9.6 %           AAB         MHz							6.02		± 9.6 %
10308- 10MHz, 16QAM, PUSC)         X         6.84         74.87         23.29         6.02         50.0         ± 9.6 %           AAA 10MHz, 16QAM, PUSC)         Y         7.04         74.94         23.20         50.0         ± 9.6 %           10309- 10309- AAA         IEEE 802.16e WiMAX (29:18, 10ms, AAA         X         6.29         71.13         21.36         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 2x3, 18 symbols)         X         6.19         71.01         21.18         6.02         50.0         ± 9.6 %           AAA         10MHz, 16QAM, AMC 2x3, 18 symbols)         X         6.19         71.01         21.18         6.02         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         X         6.19         71.01         21.18         6.02         50.0         ± 9.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         X         6.19         71.01         21.18         6.02         50.0         ± 9.6 %           AAA         10MHz, QPSK)         Y         8.82         73.78         22.75         50.0         10.0         150.0         ± 9.6 %           AAB         MHz, QPSK)         Y         3.28         69.67									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	10200	1666 902 160 WilkAX (20:19 40-					6.00		1060/
Z         6.77         74.83         23.10         50.0           10309- AAA         10MHz, 16GAM, AMC 22:18, 10ms, 10MHz, 16GAM, AMC 223, 18 symbols)         Y         6.29         71.13         21.36         6.02         50.0 $\pm 9.6 \%$ AAA         10MHz, 16GAM, AMC 22:18, 10ms, AAA         Y         6.92         73.87         22.92         50.0         -           10310- AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.19         71.11         21.18         6.02         50.0 $\pm 9.6 \%$ 10310- AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.19         71.01         21.18         6.02         50.0         -           10311- AAB         MHz, QPSK         Y         6.62         73.76         22.75         50.0         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -							6.02		± 9.0 %
10309- AAA       IEEE 802.16e WiMAX (29:18, 10ms, AAA       X       6.29       71.13       21.36       6.02       50.0       ± 9.6 %         AAA       IOMHz, 16QAM, AMC 2x3, 18 symbols)       Y       6.92       73.87       22.92       50.0       ± 9.6 %         IO310- AAA       IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)       X       6.19       71.01       21.18       6.02       50.0       ± 9.6 %         AAA       IDEE 802.16e WiMAX (29:18, 10ms, AAA       X       6.19       71.01       21.18       6.02       50.0       ± 9.6 %         AAA       IDEE NDSC-FDMA, 100% RB, 15       X       3.15       68.64       16.01       0.00       150.0       ± 9.6 %         AAB       MHz, QPSK)       Y       3.28       69.57       16.56       150.0       ± 9.6 %         AAA       IDEN 1:3       Z       7.93       80.00       19.43       6.99       70.0       ± 9.6 %         AAA       IDEN 1:3       Z       7.91       80.08       19.40       70.0       ± 9.6 %         AAA       Z       7.91       80.08       19.40       70.0       ± 9.6 %         AAA       Z       7.91       80.08       19.40       70.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
AAA         10MHz, 16QAM, AMC 2x3, 18 symbols)         Y         6.92         73.87         22.92         50.0           10310-         IEEE 802.16e WiMAX (29:18, 10ms, AAA         X         6.18         70.98         21.13         50.0         19.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.75         50.0         19.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.75         50.0         19.6 %           AAA         10MHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.75         50.0         150.0         ±9.6 %           AAB         MHz, QPSK)         Y         3.28         69.57         16.56         150.0         ±9.6 %           AAB         MHz, QPSK)         Y         3.28         69.57         18.50         150.0         ±9.6 %           AAA         IDEN 1:3         X         7.93         80.00         19.43         6.99         70.0         ±9.6 %           AAA         IDEN 1:6         X         10.36         86.77         24.35         10.00         30.0         ±9.6 %           AAA         Y         1.057 <td>10300-</td> <td>1EEE 802 16e M/MAX /29:18 10ms</td> <td></td> <td></td> <td></td> <td></td> <td>6.02</td> <td></td> <td>+96%</td>	10300-	1EEE 802 16e M/MAX /29:18 10ms					6.02		+96%
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$					1		0.02	:	1 3.0 78
10310- AAA         IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)         X         6.19         71.01         21.18         6.02         50.0         ± 9.6 %           IOMHz, QPSK, AMC 2x3, 18 symbols)         Y         6.82         73.78         22.75         50.0            IO311- AAA         LTE-FDD (SC-FDMA, 100% RB, 15         X         3.15         68.64         16.01         0.00         150.0         ± 9.6 %           MHz, QPSK)         Y         3.28         69.57         16.56         150.0           9.6 %           AB         MHz, QPSK)         Y         3.28         69.57         16.56         150.0            9.6 %               9.6 %            9.6 %            9.6 %             9.6 %            9.6 %            9.6 %            9.6 %            9.6 %            9.6 %            9.6 %									
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$							6.02		± 9.6 %
Z         6.55         73.56         22.58         50.0           10311- AAB         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)         X         3.15         68.64         16.01         0.00         150.0         ± 9.6 %           AAB         MHz, QPSK)         Y         3.28         69.57         16.56         150.0         ± 9.6 %           I0313- AAA         iDEN 1:3         X         7.93         80.00         19.43         6.99         70.0         ± 9.6 %           I0314- I0314-         iDEN 1:6         Y         8.50         81.06         19.83         70.0           I0314- I0214-         IDEN 1:6         X         10.36         86.77         24.35         10.00         30.0         ± 9.6 %           AAA         Y         11.09         87.90         24.72         30.0         10.01         30.0         ± 9.6 %           AAA         Y         1.16         64.08         15.18         0.17         150.0         ± 9.6 %           AAB         Mps, 96pc duty cycle)         Y         1.16         64.08         15.18         0.17         150.0         ± 9.6 %           AAB         Mps, 96pc duty cycle)         Y         1.19         64.95         16.40	7001		Y	6.82	73.78	22.75		50.0	1
10311- AAB       LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)       X       3.15       68.64       16.01       0.00       150.0       ± 9.6 %         AAB       MHz, QPSK)       Z       3.07       68.40       15.89       150.0       100.0         10313- AAA       IDEN 1:3       X       7.93       80.00       19.43       6.99       70.0       ± 9.6 %         10314- AAA       IDEN 1:3       X       7.93       80.00       19.43       6.99       70.0       ± 9.6 %         10314- AAA       IDEN 1:6       X       10.36       86.77       24.35       10.00       30.0       ± 9.6 %         10314- AAA       IDEN 1:6       X       10.36       86.77       24.35       10.00       30.0       ± 9.6 %         AAA       Y       11.09       87.90       24.72       30.0       30.0       ± 9.6 %         AAB       Mbps, 96pc duty cycle)       Y       1.16       64.08       15.18       0.17       150.0       ± 9.6 %         AAB       Mbps, 96pc duty cycle)       Y       1.19       64.95       15.92       150.0       150.0       150.0       150.0       150.0       150.0       150.0       150.0       150.0       150.0									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			X				0.00		± 9.6 %
10313- AAA       iDEN 1:3       X       7.93       80.00       19.43       6.99       70.0       ± 9.6 %         AAA       Y       8.50       81.06       19.83       70.0         10314- AAA       Z       7.91       80.08       19.40       70.0         10314- AAA       iDEN 1:6       X       10.36       86.77       24.35       10.00       30.0       ± 9.6 %         AAA       Z       10.37       87.90       24.72       30.0       30.0       ± 9.6 %         AAA       Z       10.57       87.37       24.52       30.0       20.0       20.0         10315- AAB       IEEE 802.11b WiFi 2.4 GHz (DSSS, 1       X       1.16       64.08       15.18       0.17       150.0       ± 9.6 %         AAB       Mbps, 96pc duty cycle)       Y       1.19       64.95       15.92       150.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0       20.0				3.28	69.57				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		IDEN 1:3					6.99		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
AAA         Y         11.09         87.90         24.72         30.0           10315-         IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)         X         1.16         64.08         15.18         0.17         150.0         ± 9.6 %           10316-         IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)         Y         1.19         64.95         15.92         150.0         ± 9.6 %           10316-         IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)         Y         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           10316-         IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)         Y         4.75         67.05         16.58         150.0         ± 9.6 %           10317-         IEEE 802.11a WiFi 5 GHz (OFDM, 6 AAB         Y         4.75         67.05         16.58         150.0         ± 9.6 %           10317-         IEEE 802.11a WiFi 5 GHz (OFDM, 6 AAB         X         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           AAB         Mbps, 96pc duty cycle)         Y         4.75         67.05         16.58         150.0         ± 9.6 %           AAB         Mbps, 96pc duty cycle)         Y         4.74         66.8									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $		iDEN 1:6					10.00		±9.6 %
10315- AAB         IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)         X         1.16         64.08         15.18         0.17         150.0         ± 9.6 %           AAB         Mbps, 96pc duty cycle)         Y         1.19         64.95         15.92         150.0         -           10316- AAB         IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)         X         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           10316- AAB         IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)         Y         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           10317- AAB         IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)         X         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           10317- AAB         IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)         X         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           10400- AAC         99pc duty cycle)         Y         4.75         67.05         16.58         150.0         ± 9.6 %           10400- AAC         99pc duty cycle)         Y         4.83         67.07         16.30         0.00         150.0         ± 9			_						
Y         1.19         64.95         15.92         150.0           10316- AAB         IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)         X         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           10316- AAB         IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)         Y         4.75         67.05         16.58         150.0         ± 9.6 %           10317- AAB         IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)         X         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           10317- AAB         IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)         X         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           10317- AAB         IEEE 802.11ac WiFi (20MHz, 64-QAM, AAC         Y         4.75         67.05         16.58         150.0         150.0           10400- AAC         IEEE 802.11ac WiFi (20MHz, 64-QAM, AAC         Y         4.84         67.29         16.50         150.0         150.0           10401- AAC         IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)         Y         5.51         67.29         16.49         0.00         150.0         ± 9.6 %							0.17		± 9.6 %
Z         1.15         63.96         15.05         150.0           10316- AAB         IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)         X         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           IO316- AAB         OFDM, 6 Mbps, 96pc duty cycle)         Y         4.75         67.05         16.58         150.0         I           IO317- AAB         IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)         X         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           AAB         Mbps, 96pc duty cycle)         Y         4.75         67.05         16.58         150.0         I         150.0         ± 9.6 %           IO317- AAB         IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)         X         4.74         66.85         16.40         0.17         150.0         ± 9.6 %           IO400- AAC         99pc duty cycle)         Y         4.83         67.07         16.30         0.00         150.0         ± 9.6 %           IO400- AAC         99pc duty cycle)         Y         4.84         67.29         16.50         150.0         ± 9.6 %           IO401- AAC         IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)         X         5.51<	7010		1 Y	1.19	64.95	15.92		150.0	
10316- AAB       IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)       X       4.74       66.85       16.40       0.17       150.0       ± 9.6 %         AAB       OFDM, 6 Mbps, 96pc duty cycle)       Y       4.75       67.05       16.58       150.0         IO317- AAB       IEEE 802.11a WiFi 5 GHz (OFDM, 6 AAB       X       4.74       66.85       16.40       0.17       150.0       ± 9.6 %         10317- AAB       IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)       X       4.74       66.85       16.40       0.17       150.0       ± 9.6 %         AAB       Mbps, 96pc duty cycle)       Y       4.75       67.05       16.58       150.0       ± 9.6 %         AAB       Mbps, 96pc duty cycle)       Y       4.75       67.05       16.58       150.0       ± 9.6 %         10400- AAC       IEEE 802.11ac WiFi (20MHz, 64-QAM, AAC       X       4.83       67.07       16.30       0.00       150.0       ± 9.6 %         10401- AAC       Y       4.84       67.29       16.50       150.0       ± 9.6 %         10401- AAC       P9pc duty cycle)       Y       5.51       67.49       16.49       0.00       150.0       ± 9.6 %					63.96			150.0	
Image: Mark and the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the second state of the sec			X	4.74	66.85		0.17	150.0	±9.6 %
10317- AAB       IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)       X       4.74       66.85       16.40       0.17       150.0       ± 9.6 %         AAB       Mbps, 96pc duty cycle)       Y       4.75       67.05       16.58       150.0       150.0         IEEE 802.11ac WiFi (20MHz, 64-QAM, AAC       Y       4.83       67.07       16.30       0.00       150.0       ± 9.6 %         AAC       99pc duty cycle)       Y       4.83       67.07       16.30       0.00       150.0       ± 9.6 %         AAC       99pc duty cycle)       Y       4.84       67.29       16.50       150.0       ± 9.6 %         IO400- AAC       IEEE 802.11ac WiFi (40MHz, 64-QAM, SOUTHZ, 64-QAM,       X       5.51       67.29       16.49       0.00       150.0       ± 9.6 %         10401- AAC       IEEE 802.11ac WiFi (40MHz, 64-QAM, SOUTHZ, 64-QAM,       X       5.51       67.29       16.49       0.00       150.0       ± 9.6 %         AAC       99pc duty cycle)       Y       5.53       67.49       16.67       150.0       ± 9.6 %							L		
AAB         Mbps, 96pc duty cycle)         Y         4.75         67.05         16.58         150.0           Image: Constraint of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s							ļ		
Z         4.69         66.84         16.36         150.0           10400- AAC         IEEE 802.11ac WIFi (20MHz, 64-QAM, 99pc duty cycle)         X         4.83         67.07         16.30         0.00         150.0         ± 9.6 %           AC         99pc duty cycle)         Y         4.84         67.29         16.50         150.0           Image: Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Second Sec							0.17		± 9.6 %
10400- AAC       IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)       X       4.83       67.07       16.30       0.00       150.0       ± 9.6 %         Y       4.84       67.29       16.50       150.0       ±       150.0       ±         Image: Constraint of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			<u>Y</u>				ļ		
AAC       99pc duty cycle)       Y       4.84       67.29       16.50       150.0         Image: Constraint of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the	101								1000
Z         4.76         67.04         16.26         150.0           10401- AAC         IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)         X         5.51         67.29         16.49         0.00         150.0         ± 9.6 %           Y         5.53         67.49         16.67         150.0         ±							0.00	_	± 9.6 %
10401- AAC         IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)         X         5.51         67.29         16.49         0.00         150.0         ± 9.6 %           Y         5.53         67.49         16.67         150.0         ± 9.6 %									
AAC 99pc duty cycle) Y 5.53 67.49 16.67 150.0	40404						0.00		+060/
							0.00		1 9.0 %
			Z	5.53 5.49	67.49	16.67		150.0	

10402- AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.79	67.69	16.53	0.00	150.0	± 9.6 %
		Y	5.79	67.83	16.67	<u> </u>	150.0	
		Z	5.72	67.60	16.48	<u> </u>	150.0	<u> </u>
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.49	68.14	14.07	0.00	115.0	± 9.6 %
		Y	1.71	70.53	15.29	-	115.0	
10101		Z	1.38	67.47	13.43		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.49	68.14	14.07	0.00	115.0	± 9.6 %
		Y	1.71	70.53	15.29		115.0	
10406-	CDM42000 D02 0000 0000 F #	Z	1.38	67.47	13.43		115.0	
AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	122.23	31.08	0.00	100.0	± 9.6 %
		Y	100.00	122.94	31.38		100.0	
10410-	LTE-TDD (SC-FDMA, 1 RB, 10 MHz,	Z	21.98	102.39	26.35	<u>_</u>	100.0	
10410- AAB	QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	121.68	31.26	3.23	80.0	± 9.6 %
		Y	100.00	122.54	31.65		80.0	
10/15	1555 902 11h WIELD & OUE (5000 1	Z	100.00	121.97	31.19		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.03	62.73	14.35	0.00	150.0	± 9.6 %
	······································	Y	1.04	63.46	15.05		150.0	
10416-	IEEE 802.11g WiFi 2.4 GHz (ERP-	Z	1.02	62.64	14.23		150.0	
AAA	OFDM, 6 Mbps, 99pc duty cycle)	X	4.64	66.69	16.23	0.00	150.0	± 9.6 %
		Y	4.65	66.89	16.41		150.0	
10417-		Z	4.59	66.68	16.20		150.0	
AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.64	66.69	16.23	0.00	150.0	±9.6 %
		Ŷ	4.65	66.89	16.41		150.0	·
10110		Z	4.59	66.68	16.20		150.0	· · · · · · · · · · · · · · · · · · ·
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.63	66.83	16.23	0.00	150.0	±9.6 %
		Y	4.64	67.04	16.42		150.0	
40440		<u>Z</u>	4.58	66.82	16.21		150.0	······································
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.65	66.79	16.24	0.00	150.0	± 9.6 %
		Y	4.66	66.99	16.43		150.0	
10100		Z	4.60	66.78	16.21		150.0	
10422- AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.78	66.81	16.27	0.00	150.0	± 9.6 %
<u> </u>		Y	4.78	67.00	16.45		150.0	
40400		Z	4.72	66.79	16.24		150.0	
10423- AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	Х	4.96	67.16	16.40	0.00	150.0	±9.6 %
		Y	4.97	67.35	16.58		150.0	
10424-		Ζ	4.89	67.12	16.36		150.0	
10424- AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.88	67.10	16.36	0.00	150.0	±9.6 %
		<u> </u>	4.88	67.30	16.54		150.0	
10425-		Z	4.81	67.07	16.33		150.0	
10425- AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.49	67.52	16.59	0.00	150.0	±9.6 %
		Y	5.50	67.70	16.76		150.0	
10400		Z	5.44	67.51	16.58		150.0	
10426- AAA	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.49	67.54	16.59	0.00	150.0	± 9.6 %
<u> </u>		Y	5.50	67.71	16.76		150.0	
	1	Z	5.45	67.53	16.59			

10427- AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.50	67.50	16.57	0.00	150.0	± 9.6 %
		Y	5.51	67.67	16.73		150.0	
		Z	5.45	67.48	16.56		150.0	
10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.25	70.00	17.85	0.00	150.0	± 9.6 %
		Y	4.23	70.09	17.93		150.0	
		Z	4.19	70.14	17.80		150.0	
10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.34	67.20	16.23	0.00	150.0	± 9.6 %
		Y	4.36	67.46	16.45		150.0	
		Z	4.27	67.18	16.16		150.0	
10432- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.64	67.12	16.31	0.00	150.0	±9.6 %
		Y	4.65	67.34	16.50		150.0	
40400		Z	4.57	67.09	16.26		150.0	
10433- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.89	67.13	16.38	0.00	150.0	± 9.6 %
		Y	4.90	67.33	16.56		150.0	
10404		Z	4.82	67.10	16.34	0.00	150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.31	70.67	17.79	0.00	150.0	± 9.6 %
		Y	4.30	70.79	17.87		150.0	
40405		Z	4.25	70.82	17.71	0.00	150.0	100%
10435- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	121.51	31.18	3.23	80.0	± 9.6 %
		Y	100.00	122.37	31.57		80.0	
		Z	100.00	121.79	31.11		80.0	
10447- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.63	67.13	15.60	0.00	150.0	± 9.6 %
		Y	3.66	67.50	15.86		150.0	
		Z	3.54	67.07	15.44		150.0	
10448- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.17	66.96	16.08	0.00	150.0	± 9.6 %
		Y	4.19	67.23	16.30		150.0	
		Z	4.10	66.94	16.02		150.0	
10449- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.44	66.92	16.19	0.00	150.0	± 9.6 %
		Y	4.45	67.15	16.39		150.0	
		Z	4.38	66.90	16.14		150.0	
10450- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.63	66.87	16.23	0.00	150.0	± 9.6 %
		Y	4.64	67.08	16.41	ļ	150.0	
			4.58	66.85	16.19		150.0	1004
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.53	67.33	15.28	0.00	150.0	± 9.6 %
		Y	3.57	67.74	15.55		150.0	
		Z	3.43	67.21	15.05	0.00	150.0	100%
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.35	68.11	16.76	0.00	150.0	± 9.6 %
		Y	6.36	68.24	16.90		150.0	
		Z	6.31	68.06	16.74	-	150.0	1000
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.86	65.32	15.94	0.00	150.0	± 9.6 %
		Y	3.86	65.52	16.13	ļ	150.0	<u> </u>
101		Z	3.83	65.31	15.89	-	150.0	+0.0.0/
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.37	66.71	14.79	0.00	150.0	± 9.6 %
		Y	3.41	67.16	15.08	ļ	150.0	
		Z	3.26	66.61	14.51		150.0	1.0.0.01
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.52	65.23	15.77	0.00	150.0	± 9.6 %
	1	Y	4.60	65.75	16.11	<u> </u>	150.0	<u> </u>
		Z	4.38	65.07	15.54		150.0	1

10460- AAA	UMTS-FDD (WCDMA, AMR)	X	0.89	66.92	15.35	0.00	150.0	± 9.6 %
		Y	1.01	69.93	17 40		450.0	ļ
		z	0.86	66.57	17.18 15.06	<u> </u>	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	125.62	33.15	3.29	150.0 80.0	± 9.6 %
		Y	100.00	127.39	33.94		80.0	· · · · · · · · · · · · · · · · · · ·
		Z	100.00	125.16	32.74	<u> </u>	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	110.62	25.96	3.23	80.0	± 9.6 %
		Y	100.00	111.65	26.39		80.0	
40400		Z	84.76	108.06	25.05		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	107.62	24.51	3.23	80.0	± 9.6 %
		Y	100.00	108.53	24.89		80.0	
10464-	LTE-TDD (SC-FDMA, 1 RB, 3 MHz,	Z	14.33	86.37	18.99		80.0	
AAA	QPSK, UL Subframe=2,3,4,7,8,9)		100.00	123.78	32.14	3.23	80.0	± 9.6 %
		Y	100.00	125.58	32.94		80.0	
10465-	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-	Z	100.00	123.19	31.67		80.0	
10465- AAA	QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.13	25.71	3.23	80.0	± 9.6 %
				111.18	26.15		80.0	
10466-	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-	Z X	35.58 95.39	97.99	22.58		80.0	
AAA	QAM, UL Subframe=2,3,4,7,8,9)	Y	100.00	106.65 108.07	24.18	3.23	80.0	± 9.6 %
		Z	9.21		24.67	······	80.0	
10467-	LTE-TDD (SC-FDMA, 1 RB, 5 MHz,	<u>X</u>	9.21	81.47	17.50		80.0	
AAB	QPSK, UL Subframe=2,3,4,7,8,9)	Y		123.99	32.23	3.23	80.0	± 9.6 %
			100.00	125.80	33.04	· ,	80.0	
10468- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Z X	100.00 100.00	123.41 110.29	31.77 25.79	3.23	80.0 80.0	± 9.6 %
	@ (M, OE Oubliante=2,0,4,7,0,9)		400.00	11101				
		Y	100.00	111.34	26.23		80.0	
10469- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Z X	<u>43.78</u> 99.99	<u>100.42</u> 107.17	23.20 24.29	3.23	80.0 80.0	± 9.6 %
		Y	100.00	108.09	24.67			
		z	9.38	81.68	17.56		80.0	
10470- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	124.02	32.24	3.23	80.0 80.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Y	100.00	125.83	33.05	<u> </u>	80.0	
		Z	100.00	123.44	31.77		80.0	
10471- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	110.24	25.76	3.23	80.0	±9.6 %
		Y	100.00	111.29	26.20		80.0	
40470		Z	43.76	100.38	23.18		80.0	
10472- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.12	24.26	3.23	80.0	± 9.6 %
		Y	100.00	108.04	24.64		80.0	
10473-		Z	9.36	81.64	17.53		80.0	
AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.99	32.23	3.23	80.0	±9.6 %
		Y	100.00	125.81	33.03		80.0	
10474- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Z X	100.00 100.00	123.41 110.25	31.76 25.76	3.23	80.0 80.0	± 9.6 %
		Y	100.00	111.30	26.20			
		Z	42.90	100.17	26.20 23.13		80.0	
10475- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	99.25	107.05	23.13	3.23	80.0 80.0	± 9.6 %
		Y	100.00	108.06	24.65		00.0	
		Z	9.24	81.52	17.50		80.0	
			0.27	01.02	17.00		80.0	

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	10477- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	110.09	25.68	3.23	80.0	± 9.6 %
IDE-TOD (SC-FDMA, 1 RB, 20 MHz, 64         X         95.82         106.64         24.15         32.33         80.0         ± 9.6 %           AAB         CAM, UL Subframe=2,3.4,7.8,9)         Y         100.00         108.60         24.62         80.0         ± 9.6 %           AAA         OPSK, UL Subframe=2,3.4,7.8,9)         Y         100.00         108.60         24.62         80.0         ± 9.6 %           AAA         OPSK, UL Subframe=2,3.4,7.8,9)         Y         25.94         104.65         29.40         80.0         ± 9.6 %           AAA         I6-GAM, UL Subframe=2,3.4,7.8,9)         Y         30.64         100.32         22.54         80.0         ± 9.6 %           AAA         I6-GAM, UL Subframe=2,3.4,7.8,9)         Y         30.64         100.32         22.83         30.0         ± 9.6 %           AAA         I6-GAM, UL Subframe=2,3.4,7.8,9)         Y         23.68         95.63         24.59         80.0         ± 9.6 %           AAA         ETE-TOD (SC-FDMA, 50% RB, 1 MHz, X         10.00         89.85         22.43         80.0         ± 9.6 %           AAA         64-GAM, UL Subframe=2,3.4,7.8,9)         Y         23.68         95.63         24.59         80.0         ± 9.6 %           AAA				100.00					·
AAB         QAM, UL Subframe=2,3,4,7,8,9)         Y         100.00         108.00         24.62         80.0           LTE-TDD (SC-FDMA, 50%, RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         Y         15.99         96.17         26.79         3.23         80.0         ± 9.6 %           AAA         CPSK, UL Subframe=2,3,4,7,8,9)         Y         25.54         104.65         29.40         80.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         25.54         100.38         26.28         3.23         80.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         30.64         100.38         26.28         80.0         ± 9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         12.85         87.46         22.08         60.0         ± 9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.55         84.00         20.64         60.0         ± 9.6 %           AAA         CFE-TDD (SC-FDMA, 50%, RB, 3 MHz, X         5.04         76.30         18.55         60.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.28         13.1         80.0         ± 9.6 %      <			Z	37.23	98.47	22.68		80.0	
Inter-ToD (SC-FDMA, 50%, RB, 14 MHz, QPSK, UL, Subframe=2,3,4,7,8,9)         Z         9,13         81.36         17.44         60.0         20.0           Inter-ToD (SC-FDMA, 50%, RB, 14 MHz, QPSK, UL, Subframe=2,3,4,7,8,9)         Y         15.69         96.17         26.79         3.23         80.0         1           Inter-ToD (SC-FDMA, 50%, RB, 14 MHz, AAA         Y         19.48         93.48         24.25         3.23         80.0         1         9.64           Inter-ToD (SC-FDMA, 50%, RB, 14 MHz, AAA         Y         19.64         100.38         26.28         80.0         1         9.6.4         100.38         26.28         80.0         1         9.6.6         1         9.6.7         1         9.6.7         80.0         1         9.6.8         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         80.0         1         9.6.9         1							3.23		± 9.6 %
$      10479- 17-100 (SC-FDMA, 50% RB, 1.4 MHz, X 15.89 96.17 26.79 3.23 80.0 \pm 9.6 \%       AAA OPSK, UL Subframe=2,3,4,7,8,9) Y 25.94 104.66 29.40 80.0 \pm 9.6 \%       Z 12.83 92.65 25.34 80.0 \pm 9.6 \%       AAA 16-OAM, UL Subframe=2,3,4,7,8,9) Y 30.64 100.38 28.28 80.0 \pm 9.6 \%       AAA 16-OAM, UL Subframe=2,3,4,7,8,9) Y 30.64 100.38 28.28 80.0 \pm 9.6 \%       AAA 16-OAM, UL Subframe=2,3,4,7,8,9) Y 23.58 95.63 24.59 80.0 \pm 9.6 \%       AAA 0PSK, UL Subframe=2,3,4,7,8,9) Y 23.58 95.63 24.59 80.0 \pm 9.6 \%       AAA 0PSK, UL Subframe=2,3,4,7,8,9) Y 6.02 79.79 20.13 80.0 \pm 9.6 \%       AAA 0PSK, UL Subframe=2,3,4,7,8,9) Y 6.02 79.79 20.13 80.0 \pm 9.6 \%       AAA 16-OAM, UL Subframe=2,3,4,7,8,9) Y 10.77 85.20 21.94 80.0 \pm 9.6 \%       AAA 16-OAM, UL Subframe=2,3,4,7,8,9) Y 10.77 85.20 21.94 80.0 \pm 9.6 \%       AAA 16-OAM, UL Subframe=2,3,4,7,8,9) Y 10.77 85.20 21.94 80.0 \pm 9.6 \%       AAA 16-OAM, UL Subframe=2,3,4,7,8,9) Y 10.77 85.20 21.94 80.0 \pm 9.6 \%       AAA 64-OAM, UL Subframe=2,3,4,7,8,9) Y 10.77 85.20 21.94 80.0 \pm 9.6 \%       AAA 64-OAM, UL Subframe=2,3,4,7,8,9) Y 10.77 85.20 21.94 80.0 \pm 9.6 \%       AAA 64-OAM, UL Subframe=2,3,4,7,8,9) Y 10.77 85.20 21.94 80.0 \pm 9.6 \%       AAA 64-OAM, UL Subframe=2,3,4,7,8,9) Y 6.88 83.28 21.31 80.0 \pm 9.6 \%       AAA 64-OAM, UL Subframe=2,3,4,7,8,9) Y 6.88 77.72 20.08 2.23 80.0 \pm 9.6 \%       AAA 64-OAM, UL Subframe=2,3,4,7,8,9) Y 6.18 77.10 18.60 80.0 \pm 9.6 \%       AAA 64-OAM, UL Subframe=2,3,4,7,8,9) Y 4.81 73.64 18.21 80.0 \pm 9.6 \%       AAB 64-OAM, UL Subframe=2,3,4,7,8,9) Y 4.81 73.64 18.21 80.0 \pm 9.6 \%       AAB 64-OAM, UL Subframe=2,3,4,7,8,9) Y 4.82 72.56 18.83 80.0 \pm 9.6 \%       AAB 64-OAM, UL Subframe=2,3,4,7,8,9) Y 4.82 72.56 18.83 80.0 \pm 9.6 \%       AAB 64-OAM, UL Subframe=2,3,4,7,8,9) Y 4.82 72.56 18.83 80.0 \pm 9.6 \%       AAB 64-OAM, UL Subframe=2,3,4,7,8,9) Y 5.68 77.52 80.0 \pm 9.6 \%       AAB 64-OAM, UL Subframe=2,3,4,7,8,9) Y 5.68 77.52 80.0 \pm 9.6 \%       AAB 64-OAM, UL Subframe=2,3,4,7,8,9) Y 5.68 77.52 80.0 \pm 9.6$				100.00				80.0	
AAA         OPSK, UL, Subframe=2,3,4,7,8,9)         Y         25.94         104.65         29.40         80.0           10440         LTE-TDD (SC-FDMA, 50%, RB, 1.4 MHz, AAA         X         19.48         93.48         24.25         3.23         80.0         1           10440         LTE-TDD (SC-FDMA, 50%, RB, 1.4 MHz, AAA         X         19.48         93.48         24.25         3.23         80.0         1         9.6 %           10421         LTE-TDD (SC-FDMA, 50%, RB, 1.4 MHz, AAA         K         16.00         89.85         22.83         3.23         80.0         1         9.6 %           AAA         64-0AM, UL Subframe=2,3,4,7,8,9)         Y         10.55         84.00         20.84         80.0         1         80.0         1         9.6 %         0         0         1         9.6 %         0         1         9.6 %         0         0         1         9.6 %         0         0         1         9.6 %         0         0         1         9.6 %         0         1         0         0         1         9.6 %         0         0         1         0         0         0         1         0         0         0         0         0         0         0 <t< td=""><td></td><td></td><td></td><td>9.13</td><td></td><td></td><td></td><td></td><td></td></t<>				9.13					
Z         12.83         92.51         25.34         60.0           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         19.46         93.48         24.25         3.23         60.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         30.84         100.88         22.628         80.0         ± 9.6 %           10481-         LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, X         10.00         69.85         22.63         3.23         80.0         ± 9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         23.56         95.63         24.59         80.0         ± 9.6 %           AAA         QPSK, UL Subframe=2,3,4,7,8,9)         Y         6.02         79.79         20.13         80.0         ± 9.6 %           AAA         QPSK, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.28         20.40         2.23         80.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,	10479- AAA						3.23		±9.6 %
10480.       LTE-TDD (SC-FDMA, 50% RB, 14 MHz, X       19.48       93.48       24.25       3.23       80.0       ± 9.6 %         AAA       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       30.64       100.38       22.28       80.0          10481-       LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, K       X       16.00       99.85       22.83       3.23       80.0       ± 9.6 %         AAA       64-QAM, UL Subframe=2,3,4,7,8,9)       Y       23.58       95.63       24.59       80.0          10482-       LTE-TDD (SC-FDMA, 50% RB, 3 MHz, X       5.04       76.94       19.04       2.23       80.0       ± 9.6 %         AAA       QPSK, UL Subframe=2,3,4,7,8,9)       Y       6.02       79.79       20.13       80.0       ± 9.6 %         AAA       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       10.77       85.20       21.94       60.0          AAA       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       10.77       85.20       21.94       60.0           AAA       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       9.56       83.28       21.31       80.0           AAA       42-AM, UL Subframe=2,3,4,7,8,9)       Y       6.52								·	
Y         30.64         100.38         26.28         80.0           10481- AAA         LTE-TDD (SC-FDMA, 59% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         Y         23.65         95.63         24.59         80.0           10482- LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         Y         23.65         95.63         24.59         80.0         ± 9.6 %           10482- LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         Y         6.02         79.79         20.13         80.0         ± 9.6 %           10482- LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         6.02         79.79         20.13         80.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.12         82.82         21.31         80.0         ± 9.6 %           AAA         40-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.58         83.28         21.31         80.0         ± 9.6 %           AAA         40-GAM, UL Subframe=2,3,4,7,8,9)         Y         6.18         77.12         20.06         2.23         80.0         ± 9.6 %           AAA         40-GAM, UL Subfram							3.23		± 9.6 %
Z         12.85         87.46         22.08         80.0         ±9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         23.56         95.63         24.59         80.0         ±9.6 %           AAA         PSK, UL Subframe=2,3,4,7,8,9)         Y         23.56         95.63         24.59         80.0         ±9.6 %           AAA         QSK, UL Subframe=2,3,4,7,8,9)         Y         6.02         79.79         20.13         80.0         ±9.6 %           AAA         QSK, UL Subframe=2,3,4,7,8,9)         Y         6.02         79.79         20.13         80.0         ±9.6 %           AAA         QSK, UL Subframe=2,3,4,7,8,9)         Y         10.077         85.20         21.94         80.0         ±9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0         ±9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.58         80.89         20.40         2.23         80.0         ±9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         6.19         80.60         ±2.3         80.0         ±9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y </td <td>/</td> <td>10 Qrim, 02 Oubname=2,0,4,7,0,07</td> <td></td> <td>30.64</td> <td>100.38</td> <td>26.28</td> <td></td> <td>80.0</td> <td></td>	/	10 Qrim, 02 Oubname=2,0,4,7,0,07		30.64	100.38	26.28		80.0	
10481- AAA         LTE-TDD (SC-FDMA, 50% RB, 14 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         Y         23.58         95.63         24.59         80.0           10482- AAA         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         Y         23.58         95.63         24.59         80.0         ± 9.6 %           10482- AAA         QPSK, UL Subframe=2,3,4,7,8,9)         Y         6.02         79.79         20.13         80.0         ± 9.6 %           AAA         16-0AM, UL Subframe=2,3,4,7,8,9)         Y         6.02         79.79         20.13         80.0         ± 9.6 %           AAA         16-0AM, UL Subframe=2,3,4,7,8,9)         Y         10.07         85.20         21.94         80.0         ± 9.6 %           AAA         16-0AM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0         ± 9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.68         83.28         21.31         80.0         ± 9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         6.63         77.10         18.60         80.0         ± 2.3         80.0         ± 9.6 %           AAA         GES-FDMA, 50% RB, 5 MHz, AAB         Y         6.13         77.10									
Z         10.55         84.00         20.64         80.0           10482- AAA         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe-2,3,4,7,8,9)         X         5.04         76.94         19.04         2.23         80.0         ± 9.6 %           10483- AAA         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         16.02         79.79         20.13         80.0         ± 9.6 %           10483- AAA         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         X         9.12         82.48         20.94         2.23         80.0         ± 9.6 %           10484- AAA         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         X         8.29         80.89         20.40         2.23         80.0         ± 9.6 %           10484- AAA         G4-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.58         83.28         21.31         80.0         ± 9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.58         83.28         21.31         80.0         ± 9.6 %           ABA         QPSK, UL Subframe=2,3,4,7,8,9)         Y         6.58         21.18         80.0         ± 9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         4.51         72.42         17.68         2.23         80.0         ± 9.6 %							3.23		± 9.6 %
10482- QPSK, UL Subframe=2,3,4,7,8,9)         X         5.04         76.94         19.04         2.23         80.0         ± 9.6 %           AAA         QPSK, UL Subframe=2,3,4,7,8,9)         Y         6.02         79.79         20.13         80.0           10483- LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         X         9.12         82.40         20.94         2.23         80.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0         ± 9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0         ± 9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.56         83.28         21.31         80.0         ± 9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         6.19         80.50         21.18         80.0         50.0           10485-         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         X         4.51         72.41         17.68         2.23         80.0         ± 9.6 %           AAB         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.81         73.61         182.1         80.0         50.6				23.58	95.63	24.59		80.0	
AAA         QPSK, UL Subframe=2,3,4,7,8,9)         Y         6.02         79.79         20.13         80.0           10483-         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         8.12         82.48         20.94         2.23         80.0         ±9.6 %           AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0         ±9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0         ±9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.58         83.28         21.31         80.0         ±9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.58         83.28         21.31         80.0         ±9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         6.19         80.50         ±1.8         80.0         ±9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         4.81         77.61         19.85         80.0         ±9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         4.81         77.61         19.85         80.0         ±9.6 %           AAB         16-QAM, UL Subfr					84.00	20.64		80.0	
Z         4.78         76.30         18.55         80.0           10483- AAA         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         X         9.12         82.48         20.94         2.23         80.0 $\pm 9.6$ %           AAA         G-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0         -           10484- AAA         ETE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         K         8.29         80.89         20.40         2.23         80.0 $\pm 9.6$ %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.56         83.28         21.31         80.0         -         9.6 %           10485- LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         Y         6.19         80.50         21.18         80.0         -         -         9.6 %           10486- LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         Y         4.51         72.42         17.68         2.23         80.0 $\pm 9.6$ %           10486- LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         Y         4.81         73.61         18.21         80.0         -         -         64.0A         -         80.0 $\pm 9.6$ %           10487- LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         Y         4.81         73.61 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.23</td> <td></td> <td>± 9.6 %</td>							2.23		± 9.6 %
10483- AAA       LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA       X       9.12       62.48       20.94       2.23       80.0       ± 9.6 %         AAA       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       10.77       85.20       21.94       80.0       -         AAA       LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA       X       8.29       80.89       20.40       2.23       80.0       ± 9.6 %         AAA       64-QAM, UL Subframe=2,3,4,7,8,9)       Y       9.58       83.28       21.31       80.0       ± 9.6 %         AAB       CTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB       X       5.28       77.72       20.08       2.23       80.0       ± 9.6 %         AAB       LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB       X       5.28       77.72       20.08       2.23       80.0       ± 9.6 %         AAB       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       6.19       80.50       21.18       80.0       2.23       80.0       ± 9.6 %         AAB       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.51       72.42       17.68       2.23       80.0       ± 9.6 %         AAB       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.74       73.05       17.98       80.0       2.33       80.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
AAA         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         10.77         85.20         21.94         80.0           10484         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA         X         8.29         80.89         20.40         2.23         80.0         ±9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.58         83.28         21.31         80.0         19.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.58         83.28         21.31         80.0         19.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.28         77.72         20.08         2.23         80.0         ±9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         6.19         80.50         21.18         80.0         16.6 %           IO486-         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AF, A,7,8,9)         X         4.51         72.42         17.68         2.23         80.0         ±9.6 %           AAB         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.81         73.61         18.21         80.0         16.6 %           AAB         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.74         73.05         17.98         80.0 <t< td=""><td></td><td></td><td>2</td><td></td><td></td><td></td><td></td><td>+</td><td></td></t<>			2					+	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$							2.23		± 9.6 %
10484- AAA         LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         X         8.29         80.89         20.40         2.23         80.0         ± 9.6 %           AAA         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         9.58         83.28         21.31         80.0         10485-           LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         X         5.28         77.72         20.08         2.23         80.0         ± 9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         6.19         80.50         21.18         80.0         19.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         6.19         80.50         21.18         80.0         19.6 %           AAB         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.51         72.42         17.68         2.23         80.0         ± 9.6 %           AAB         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.81         73.61         18.21         80.0         19.6 %           AAB         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.74         73.05         17.98         80.0         19.6 %           AAB         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.74         73.05         17.14		-							
Y         9.58         83.28         21.31         80.0           10485- AAB         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         X         5.28         77.72         20.08         2.23         80.0         ±9.6 %           10485- AAB         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         Y         6.19         80.00         21.18         80.0            10486- AAB         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         Y         4.51         77.42         17.68         2.23         80.0         ±9.6 %           10486- AAB         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         X         4.51         72.42         17.68         2.23         80.0         ±9.6 %           10487- AAB         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         X         4.47         71.97         17.49         2.23         80.0         ±9.6 %           10487- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         X         4.47         71.97         17.49         80.0         ±9.6 %           AAB         QPSK, UL Subframe=2,3.4,7.8.9)         Y         5.88         76.23         20.05         2.23         80.0         ±9.6 %           AAB         QPSK, UL Subframe=2,3.4,7.8.9)         Y         5.88         78.28         20.95							2.23		± 9.6 %
Z         6.43         77.10         18.60         80.0           10485- AAB         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         X         5.28         77.72         20.08         2.23         80.0         ± 9.6 %           10486-         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         Y         6.19         80.50         21.18         80.0         2         30.0         ± 9.6 %           AAB         ITE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         X         4.51         72.42         17.68         2.23         80.0         ± 9.6 %           IO486-         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         X         4.51         72.13         17.34         80.0         -           10487-         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAB         X         4.47         71.97         17.49         2.23         80.0         ± 9.6 %           10487-         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         QC-FDMA, 50% RB, 10 MHz, AAB         X         5.28         76.23         20.05         2.23         80.0         ± 9.6 %           10488-         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         X         5.28         76.23         20.05         2.23         80.0         ± 9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)		04-QAM, OE Subiranie-2,0,4,7,0,87	V	9.58	83.28	21.31		80.0	
10485- AAB       LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       X       5.28       77.72       20.08       2.23       80.0       ± 9.6 %         10486- AAB       LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)       Y       6.19       80.50       21.18       80.0       ± 9.6 %         10486- AAB       LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)       X       4.51       72.42       17.68       2.23       80.0       ± 9.6 %         10487- AAB       LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.81       73.61       18.21       80.0       ± 9.6 %         AAB       G4-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.74       73.05       17.98       80.0       ± 9.6 %         AAB       GPSK, UL Subframe=2,3,4,7,8,9)       Y       4.74       73.05       17.98       80.0       ± 9.6 %         AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB       X       5.28       76.23       20.05       2.23       80.0       ± 9.6 %         AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB       X       4.61       71.60       18.35       2.23       80.0       ± 9.6 %         AAB       GPSK, UL Subframe=2,3,4,7,8,9)       Y       4.61       71.									
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2.3,4,7,8,9)					2.23		± 9.6 %
Z         5.13         77.51         19.85         80.0           10486- AAB         LTE-TDD (SC-FDMA, 50% RB, 5 MHz, IG-QAM, UL Subframe=2,3,4,7,8,9)         X         4.51         72.42         17.68         2.23         80.0         ±9.6 %           AAB         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.81         73.61         18.21         80.0         ±9.6 %           AAB         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.74         73.05         17.98         80.0         ±9.6 %           AAB         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.74         73.05         17.98         80.0         ±9.6 %           AAB         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.74         73.05         17.98         80.0         ±9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.28         76.23         20.05         2.23         80.0         ±9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.88         78.28         20.95         80.0          ±9.6 %           AAB         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.82         72.56         18.83         80.0          ±9.6 %			İΥ	6.19	80.50	21.18		80.0	
10486- AAB       LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.51       72.42       17.68       2.23       80.0       ± 9.6 %         AAB       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.81       73.61       18.21       80.0          10487- AAB       64-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.47       71.97       17.49       2.23       80.0       ± 9.6 %         10487- AAB       64-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.47       71.97       17.49       2.23       80.0       ± 9.6 %         10488- AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       X       5.28       76.23       20.05       2.23       80.0       ± 9.6 %         AAB       1E-TDD (SC-FDMA, 50% RB, 10 MHz, AAB       X       5.28       78.28       20.95       80.0       10.489-         10489- AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB       X       4.61       71.60       18.35       2.23       80.0       ± 9.6 %         AAB       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.82       72.56       18.83       80.0       19.6 %         AAB       64-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.87       71.52       18.23       80.0				5.13	77.51	19.85		80.0	
Z         4.36         72.13         17.34         80.0           10487- AAB         G4-QAM, UL Subframe=2,3,4,7,8,9)         X         4.47         71.97         17.49         2.23         80.0         ± 9.6 %           AAB         G4-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.74         73.05         17.98         80.0         ± 9.6 %           Indexse         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         X         5.28         76.23         20.05         2.23         80.0         ± 9.6 %           Indexse         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         X         5.28         76.23         20.05         2.23         80.0         ± 9.6 %           Indexse         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         X         4.61         71.60         18.35         2.23         80.0         ± 9.6 %           Indexse         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         Y         4.82         72.56         18.83         80.0         10489-           Indexse         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         Y         4.869         71.33         18.26         2.23         80.0         ± 9.6 %           AAB         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.869         71.33         18.26         2.23 </td <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>17.68</td> <td>2.23</td> <td>80.0</td> <td>± 9.6 %</td>			X			17.68	2.23	80.0	± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				4.81					
AAB         64-QAM, ÙL Subframe=2,3,4,7,8,9)         Y         4.74         73.05         17.98         80.0           10488- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         Y         4.74         73.05         17.98         80.0         ±9.6 %           10488- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.88         78.28         20.95         80.0         ±9.6 %           10489- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         Y         5.88         78.28         20.95         80.0         ±9.6 %           10489- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         Y         4.61         71.60         18.35         2.23         80.0         ±9.6 %           10490- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         Y         4.82         72.56         18.83         80.0         ±9.6 %           10490- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         Y         4.87         72.22         18.72         80.0         ±9.6 %           10490- AAB         GPSK, UL Subframe=2,3,4,7,8,9)         Y         4.87         72.22         18.72         80.0         ±9.6 %           AAB         GPSK, UL Subframe=2,3,4,7,8,9)         Y         5.57				4.36					
Z         4.32         71.65         17.14         80.0           10488- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         X         5.28         76.23         20.05         2.23         80.0         ± 9.6 %           10489- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         Y         5.88         78.28         20.95         80.0         10489-           10489- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         X         4.61         71.60         18.35         2.23         80.0         ± 9.6 %           10489- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         X         4.61         71.60         18.35         2.23         80.0         ± 9.6 %           10490- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         Y         4.82         72.56         18.83         80.0         ± 9.6 %           10490- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB         X         4.69         71.33         18.26         2.23         80.0         ± 9.6 %           10491- AAB         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB         Y         5.57         75.36         19.96         80.0         ± 9.6 %           10491- AAB         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB         Y         5.57         75.36							2.23		±9.6 %
10488- AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       X       5.28       76.23       20.05       2.23       80.0       ± 9.6 %         10489- AAB       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       5.88       78.28       20.95       80.0       10489-         10489- AAB       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.61       71.60       18.35       2.23       80.0       ± 9.6 %         10489- AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAB       X       4.61       71.60       18.35       2.23       80.0       ± 9.6 %         10490- AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)       X       4.69       71.33       18.26       2.23       80.0       ± 9.6 %         10490- AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)       X       4.69       71.33       18.26       2.23       80.0       ± 9.6 %         10491- AAB       QPSK, UL Subframe=2,3,4,7,8,9)       Y       5.57       75.36       19.96       80.0       ± 9.6 %         AAB       QPSK, UL Subframe=2,3,4,7,8,9)       Y       5.57       75.36       19.96       80.0       ± 9.6 %         AAB       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB       X       4.87									
Y         5.88         78.28         20.95         80.0           10489- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         X         4.61         71.60         18.35         2.23         80.0         ± 9.6 %           10489- AAB         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.82         72.56         18.83         80.0         ± 9.6 %           10490- AAB         C         Z         4.51         71.52         18.23         80.0         ± 9.6 %           10490- AAB         G4-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.87         72.22         18.72         80.0         ± 9.6 %           AAB         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.87         72.22         18.72         80.0         ± 9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.21         74.00         19.31         2.23         80.0         ± 9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.57         75.36         19.96         80.0         ± 9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.57         75.36         19.24         80.0         ± 9.6 %           AAB         16-QAM, UL Su							2.23		± 9.6 %
Z         5.13         76.06         19.94         80.0           10489- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         X         4.61         71.60         18.35         2.23         80.0         ± 9.6 %           AAB         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.82         72.56         18.83         80.0         1           IO490- AAB         LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)         X         4.69         71.33         18.26         2.23         80.0         ± 9.6 %           AAB         64-QAM, UL Subframe=2,3,4,7,8,9)         Y         4.87         72.22         18.72         80.0         ± 9.6 %           IO491- AAB         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB         Y         5.21         74.00         19.31         2.23         80.0         ± 9.6 %           IO491- AAB         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB         X         5.21         74.00         19.31         2.23         80.0         ± 9.6 %           IO491- AAB         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB         X         5.21         74.00         19.31         2.23         80.0         ± 9.6 %           IO492- AAB         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB         X         4.8	7010		Y	5.88	78.28	20.95	1	80.0	
10489- AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)       X       4.61       71.60       18.35       2.23       80.0       ± 9.6 %         AAB       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.82       72.56       18.83       80.0       10         IO490- AAB       64-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.69       71.33       18.26       2.23       80.0       ± 9.6 %         IO490- AAB       64-QAM, UL Subframe=2,3,4,7,8,9)       Y       4.69       71.33       18.26       2.23       80.0       ± 9.6 %         IO491- AAB       C       C       4.69       71.33       18.26       2.23       80.0       ± 9.6 %         IO491- AAB       C       V       4.87       72.22       18.72       80.0       ± 9.6 %         IO491- AAB       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       X       5.21       74.00       19.31       2.23       80.0       ± 9.6 %         IO492- AAB       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB       X       5.57       75.36       19.96       80.0       ± 9.6 %         IO492- AAB       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB       X       4.87       70.59       18.20       2.23       80.0							1		
Y       4.82       72.56       18.83       80.0         10490- AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)       X       4.69       71.33       18.26       2.23       80.0       ± 9.6 %         10491- AAB       Y       4.87       72.22       18.72       80.0       ± 9.6 %         10491- AAB       Z       4.59       71.26       18.14       80.0       ± 9.6 %         10491- AAB       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       X       5.21       74.00       19.31       2.23       80.0       ± 9.6 %         AAB       QPSK, UL Subframe=2,3,4,7,8,9)       Y       5.57       75.36       19.96       80.0       ± 9.6 %         AAB       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB       Y       5.57       75.36       19.96       80.0       ± 9.6 %         10492- AAB       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAB       X       4.87       70.59       18.20       2.23       80.0       ± 9.6 %         AAB       16-QAM, UL Subframe=2,3,4,7,8,9)       Y       5.02       71.33       18.60       80.0       ± 9.6 %							2.23		± 9.6 %
Image: constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constraint of the constrant of the constraint of the constraint of the constraint of the c			Y	4.82	72.56	18.83		80.0	
10490- AAB       LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)       X       4.69       71.33       18.26       2.23       80.0       ± 9.6 %         Image: Constraint of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the								80.0	
Z         4.59         71.26         18.14         80.0           10491- AAB         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         X         5.21         74.00         19.31         2.23         80.0         ± 9.6 %           Image: Constraint of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the			X	4.69	71.33	18.26	2.23		± 9.6 %
10491- AAB       LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       X       5.21       74.00       19.31       2.23       80.0       ± 9.6 %         Image: Constraint of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the s							<u> </u>	- +	ļ
AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.57         75.36         19.96         80.0           Image: Constraint of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of							<u> </u>		
Z         5.08         73.85         19.24         80.0           10492- AAB         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         X         4.87         70.59         18.20         2.23         80.0         ± 9.6 %           V         5.02         71.33         18.60         80.0         10.0							2.23		± 9.6 %
10492- AAB         LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)         X         4.87         70.59         18.20         2.23         80.0         ± 9.6 %           X         5.02         71.33         18.60         80.0         10.00			Y						
AAB         16-QAM, UL Subframe=2,3,4,7,8,9)         Y         5.02         71.33         18.60         80.0							-		1
							2.23		± 9.6 %
			Y Z	<u>5.02</u> 4.77	71.33	18.60	1	80.0 80.0	1

10493-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	X	4.93	70.41	18.14	2.23	80.0	± 9.6 %
AAB	64-QAM, UL Subframe=2,3,4,7,8,9)	Y	5.07	71.11		2.20	 	1 9.0 %
		Z	4.83	71.11	18.53	i	80.0	
10494-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	X	5.74	75.68	18.06	0.00	80.0	
AAB	QPSK, UL Subframe=2,3,4,7,8,9)				19.79	2.23	80.0	± 9.6 %
		Y	6.23	77.26	20.51		80.0	
10495-		Z	5.57	75.46	19.70		80.0	
AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.94	71.08	18.40	2.23	80.0	± 9.6 %
		Y	5.11	71.86	18.83		80.0	
10496-		Z	4.84	70.96	18.32		80.0	
AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.99	70.71	18.29	2.23	80.0	± 9.6 %
<u> </u>		Y	5.14	71.42	18.69		80.0	
40407		Z	4.89	70.61	18.21		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.95	73.39	16.94	2.23	80.0	± 9.6 %
		Y	4.59	75.63	17.82		80.0	· · · · · · · · · · · · · · · · · · ·
10/00		Z	3.56	72.03	16.04		80.0	1
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	x	2.99	67.14	13.42	2.23	80.0	± 9.6 %
<u>_</u>		Y	3.17	68.04	13.81		80.0	I
10/05		Ζ	2.58	65.48	12.27		80.0	† <u> </u>
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.90	66.50	13.01	2.23	80.0	± 9.6 %
		Y	3.06	67.30	13.36		80.0	
		Z	2.49	64.82	11.82	·	80.0	<u></u>
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	x	5.14	76.64	19.91	2.23	80.0	±9.6 %
		Y	5.86	79.02	20.91		80.0	
		Z	5.00	76.51	19.75		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.55	72.03	17.90	2.23	80.0	± 9.6 %
		Y	4.80	73.10	18.41		80.0	
		Z	4.43	71.87	17.67		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.59	71.80	17.77	2.23	80.0	± 9.6 %
		Y	4.83	72.81	18.25		80.0	
		Z	4.47	71.64	17.53		80.0	
10503- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.22	76.03	19.96	2.23	80.0	± 9.6 %
		Y	5.81	78.08	20.86		80.0	
40501		Ζ	5.07	75.86	19.85		80.0	
10504- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.59	71.52	18.30	2.23	80.0	±9.6 %
		Y	4.80	72.48	18.79		80.0	
40505		Z	4.49	71.43	18.18		80.0	
10505- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.66	71.24	18.21	2.23	80.0	±9.6 %
		Y	4.85	72.13	18.67		80.0	
10500		Z	4.56	71.17	18.09		80.0	
10506- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.69	75.54	19.72	2.23	80.0	± 9.6 %
		Ŷ	6.18	77.12	20.44		80.0	
40507		Z	5.52	<u>75</u> .31	19.63		80.0	
10507- 4АВ	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	х	4.93	71.03	18.37	2.23	80.0	± 9.6 %
		Y	5.09	71.81	18.80		80.0	

10508- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.98	70.65	18.25	2.23	80.0	± 9.6 %
		Y	5.12	71.36	18.65		80.0	
		Z	4.87	70.54	18.17		80.0	
10509- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.75	73.61	18.99	2.23	80.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	6.04	74.62	19.49		80.0	
		Z	5.61	73.42	18.92		80.0	
10510- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.37	70.52	18.25	2.23	80.0	± 9.6 %
		Y	5.50	71.12	18.60		80.0	
		Z	5.26	70.38	18.18		80.0	
10511- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.39	70.20	18.16	2.23	80.0	± 9.6 %
		Y	5.51	70.76	18.50		80.0	
		Z	5.29	70.08	18.10		80.0	
10512- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.17	75.45	19.55	2.23	80.0	± 9.6 %
•		Y	6.61	76.77	20.16		80.0	
		Z	5.99	75.18	19.45	<b>•</b> • •	80.0	
10513- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.29	70.93	18.40	2.23	80.0	± 9.6 %
		Y	5.44	71.61	18.78		80.0	
		Z	5.18	70.76	18.31		80.0	
10514- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.26	70.42	18.25	2.23	80.0	± 9.6 %
		Y	5.39	71.03	18.61		80.0	
		Z	5.16	70.27	18.17		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.99	62.88	14.39	0.00	150.0	±9.6 %
		Y	1.01	63.69	15.14		150.0	
		Z	0.98	62.78	14.25	0.00	150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.57	67.90	15.77	0.00	150.0	± 9.6 %
		Y	0.79	74.76	19.51		150.0	
40547	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	Z X	0.54	67.33	15.34	0.00	150.0	+06%
10517- AAA	Mbps, 99pc duty cycle)	Y	0.83	64.48 66.11	14.80 16.05	0.00	150.0 150.0	± 9.6 %
			0.88	64.26	14.59		150.0	
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.64	66.76	16.21	0.00	150.0	± 9.6 %
		Y	4.64	66.97	16.39		150.0	
		Z	4.58	66.75	16.17		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.84	67.04	16.35	0.00	150.0	± 9.6 %
		Y	4.85	67.24	16.53		150.0	
		Z	4.77	67.00	16.30		150.0	100%
10520- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.69	67.00	16.26	0.00	150.0	± 9.6 %
		Y	4.70	67.20	16.45		150.0	
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	Z X	4.62 4.62	66.95 66.99	16.22 16.24	0.00	150.0 150.0	± 9.6 %
		Y	4.63	67.20	16.43		150.0	
		Z	4.55	66.94	16.20		150.0	
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.67	67.03	16.31	0.00	150.0	± 9.6 %
		Y	4.69	67.25	16.50		150.0	
		Z	4.61	67.03	16.28		150.0	

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10523- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.55	66.89	16.15	0.00	150.0	± 9.6 %
		Y	4.56	67.11	16.34	<u> </u>	150.0	<u> </u>
		Z	4.49	66.88	16.12		150.0	
10524- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.62	66.97	16.28	0.00	150.0	± 9.6 %
		Y	4.63	67.19	16.48		150.0	
		Z	4.56	66.95	16.25		150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.59	65.99	15.86	0.00	150.0	± 9.6 %
		Y	4.60	66.20	16.05		150.0	
10500		Z	4.54	65.98	15.83		150.0	
10526- IEEE 802.11ac WiFi (20MHz, MCS1, AAA 99pc duty cycle)	X	4.77	66.38	16.01	0.00	150.0	± 9.6 %	
		Y	4.79	66.60	16.20		150.0	
10527-		Z	4.71	66.35	15.98		150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.69	66.34	15.95	0.00	150.0	± 9.6 %
		Y	4.71	66.56	16.15		150.0	
10500		Z	4.63	66.30	15.91		150.0	
10528- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.71	66.36	15.99	0.00	150.0	± 9.6 %
		Ý	4.72	66.58	16.18		150.0	
40500		Z	4.65	66.32	15.95		150.0	<u> </u>
10529- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	Х	4.71	66.36	15.99	0.00	150.0	± 9.6 %
	Y	4.72	66.58	16.18		150.0		
40504		Z	4.65	66.32	15.95		150.0	·
10531- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duly cycle)	X	4.71	66.48	16.01	0.00	150.0	± 9.6 %
	Y	4.73	66.71	16.20		150.0		
		Z	4.64	66.43	15.96		150.0	<u> </u>
10532- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.56	66.33	15.94	0.00	150.0	± 9.6 %
<u> </u>		Y	4.58	66.56	16.14		150.0	
		Z	4.50	66.27	15.89		150.0	
10533- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.72	66.39	15.97	0.00	150.0	± 9.6 %
		Y	4.73	66.61	16.16		150.0	
		Z	4.65	66.36	15.93		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.24	66.54	16.07	0.00	150.0	± 9.6 %
		Y	5.25	66.71	16.24		150.0	
1000		Z	5.19	66.49	16.04	<u> </u>	150.0	<u> </u>
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.31	66.70	16.14	0.00	150.0	± 9.6 %
		Y	5.33	66.88	16.31		150.0	
10500		Z	5.26	66.68	16.13		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.18	66.65	16.10	0.00	150.0	±9.6%
		Y	5.19	66.84	16.27		150.0	
0507		Z	5.12	66.60	16.07		150.0	· · · · · ·
10537- \AA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.24	66.63	16.10	0.00	150.0	± 9.6 %
· · ·		Y	5.25	66.81	16.26	-	150.0	
		Z	5.19	66.58	16.06		150.0	
10538- \AA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	Х	5.35	66.69	16.17	0.00	150.0	±9.6 %
		Y	5.36	66.87	16.33		150.0	
		Z	5.28	66.62	16.12		150.0	
10540- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.26	66.66	16.17	0.00	150.0	± 9.6 %
		Y	5.27	66.85	16.34		150.0	

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10541- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.23	66.53	16.10	0.00	150.0	± 9.6 %
		Y	5.24	66.71	16.26		150.0	
		Z	5.18	66.49	16.06		150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.39	66.62	16.16	0.00	150.0	±9.6 %
		Y	5.40	66.79	16.32		150.0	
		Z	5.34	66.57	16.12		150.0	
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.48	66.66	16.19	0.00	150.0	± 9.6 %
		Y	5.49	66.83	16.36		150.0	
		Z	5.42	66.63	16.18		150.0	
10544- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.54	66.65	16.07	0.00	150.0	±9.6 %
		Y	5.55	66.80	16.22		150.0	
		Z	5.50	66.61	16.04		150.0	
10545- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.76	67.11	16.24	0.00	150.0	±9.6 %
		Y	5.77	67.28	16.40		150.0	
10010		Z	5.71	67.07	16.23		150.0	
10546- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.63	66.91	16.16	0.00	150.0	± 9.6 %
		Y	5.64	67.07	16.32		150.0	
		Z	5.57	66.84	16.12		150.0	
10547- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.72	67.00	16.20	0.00	150.0	±9.6 %
		Y	5.72	67.16	16.35		150.0	
		Z	5.65	66.88	16.14		150.0	
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	6.07	68.22	16.78	0.00	150.0	± 9.6 %
		Y	6.08	68.42	16.96		150.0	
		Z	5.98	68.06	16.70		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.65	66.89	16.16	0.00	150.0	± 9.6 %
		Y	5.66	67.05	16.31		150.0	
		Z	5.60	66.86	16.14		150.0	
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.65	66.93	16.14	0.00	150.0	± 9.6 %
		Y	5.66	67.09	16.29		150.0	
		Z	5.60	66.87	16.11		150.0	
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.56	66.71	16.04	0.00	150.0	± 9.6 %
		Y	5.57	66.86	16.19		150.0	
		Z	5.51	66.66	16.01		150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.65	66.77	16.10	0.00	150.0	± 9.6 %
		Y	5.66	66.92	16.25		150.0	ļ
		Z	5.60	66.70	16.07	<u> </u>	150.0	
10554- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.95	67.04	16.18	0.00	150.0	±9.6 %
		Y	5.96	67.19	16.31		150.0	
		Z	5.91	66.99	16.15		150.0	
10555- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.09	67.37	16.32	0.00	150.0	± 9.6 %
		Y	6.11	67.53	16.46	l	150.0	Į
		Z	6.05	67.32	16.29		150.0	
10556- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.11	67.40	16.33	0.00	150.0	± 9.6 %
		Y	6.12	67.56	16.47	ļ	150.0	
		Z	6.07	67.36	16.30		150.0	
10557- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.08	67.33	16.31	0.00	150.0	± 9.6 %
		Y	6.09	67.48	16.45		150.0	
		Z	6.03	67.26	16.27		150.0	

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10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.14	67.52	16.42	0.00	150.0	± 9.6 %
		Y	6.15	67.67	16.56	<u> </u>	150.0	+
		Z	6.09	67.43	16.37		150.0	
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.13	67.34	16.37	0.00	150.0	± 9.6 %
		Y	6.14	67.49	16.51		150.0	
		Z	6.07	67.26	16.33		150.0	
10561- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	6.05	67.31	16.39	0.00	150.0	± 9.6 %
<u></u>		Y	6.06	67.47	16.54		150.0	1
		Z	6.00	67.24	16.36		150.0	
10562- IEEE 1602.11ac WiFi (160MHz, MCS AAA 99pc duty cycle)	X	6.21	67.80	16.64	0.00	150.0	± 9.6 %	
<u> </u>		Y	6.22	67.97	16.79		150.0	
1000		Z	6.14	67.67	16.57		150.0	
10563- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.60	68.52	16.95	0.00	150.0	± 9.6 %
		Y	6.61	68.70	17.11		150.0	
40507		Z	6.44	68.18	16.78		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.98	66.92	16.42	0.46	150.0	± 9.6 %
<u> </u>		Y	4.99	67.12	16.60		150.0	
10505		Z	4.93	66.90	16.38		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	5.22	67.37	16.73	0.46	150.0	± 9.6 %
	Y	5.23	67.55	16.90		150.0		
10500		Z	5.16	67.34	16.69		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	5.06	67.23	16.56	0.46	150.0	± 9.6 %
	Y	5.06	67.43	16.74		150.0		
40500		Z	4.99	67.19	16.51		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	5.08	67.57	16.87	0.46	150.0	± 9.6 %
		Y	5.08	67.74	17.03		150.0	
40500		Z	5.01	67.53	16.84		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.98	67.03	16.35	0.46	150.0	± 9.6 %
		Y	4.99	67.26	16.56		150.0	
		Z	4.91	67.01	16.31		150.0	· · · · ·
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	5.02	67.62	16.91	0.46	150.0	± 9.6 %
		Y	5.03	67.78	17.06		150.0	
40570		Z	4.97	67.61	16.89		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	5.07	67.49	16.86	0.46	150.0	± 9.6 %
		Y	5.07	67.68	17.03		150.0	· · · ·
10574		Z	5.00	67.48	16.83		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.33	65.38	15.85	0.46	130.0	± 9.6 %
		<u>Y</u>	1.37	66.42	16.66		130.0	
10570		Z	1.31	65.23	15.71		130.0	
10572- AAA	IEEE 802.11b WIFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.35	65.94	16.19	0.46	130.0	± 9.6 %
		Y	1.40	67.08	17.03		130.0	
10573-		Z	1.33	65.79	16.04		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	2.45	84.59	22.30	0.46	130.0	±9.6 %
		Y	10.53	109.30	30.18		130.0	
10574-		Z	2.23	83.07	21.66		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	×	1.51	71.42	18.78	0.46	130.0	±9.6 %
		Y	1.69	74.14	20.31		130.0	
	1	Z	1.47	71.09	18.56		130.0	

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10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.80	66.79	16.52	0.46	130.0	± 9.6 %
	OFDM, 6 Mbps, 90pc duty cycle)		4.00	00.00	10.70		100.0	
		Y	4.80	66.99	16.70		130.0	
10576-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	4.74	66.78	16.48	0.40	130.0	
AAA	OFDM, 9 Mbps, 90pc duty cycle)	X	4.82	66.93	16.57	0.46	130.0	± 9.6 %
		Y	4.83	67.13	16.75		130.0	
		Z	4.77	66.93	16.54		130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	5.04	67.25	16.75	0.46	130.0	± 9.6 %
		Y	5.04	67.43	16.92		130.0	
		Z	4.97	67.22	16.71		130.0	
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.93	67.39	16.83	0.46	130.0	±9.6 %
		Y	4.93	67.57	17.00		130.0	
		Z	4.87	67.36	16.79		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.71	66.78	16.21	0.46	130.0	±9.6 %
		Y	4.73	67.02	16.43		130.0	
		Z	4.65	66.73	16.16		130.0	
	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.76	66.79	16.23	0.46	130.0	± 9.6 %
		Y	4.77	67.05	16.45		130.0	
		Z	4.69	66.76	16.18		130.0	
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	4.83	67.44	16.78	0.46	130.0	±9.6 %
		Y	4.84	67.63	16.95		130.0	
		z	4.77	67.41	16.74		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.66	66.56	16.03	0.46	130.0	±9.6 %
		Y	4.68	66.83	16.26		130.0	
		Z	4.59	66.51	15.97		130.0	
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.80	66.79	16.52	0.46	130.0	±9.6 %
		Y	4.80	66.99	16.70		130.0	
•		z	4.74	66.78	16.48		130.0	
10584-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9	X	4.82	66.93	16.57	0.46	130.0	± 9.6 %
AAA	Mbps, 90pc duty cycle)		1.00	07.40	40.75		400.0	
		Y	4.83	67.13	16.75		130.0	
10505		Z	4.77	66.93	16.54		130.0	
10585- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	5.04	67.25	16.75	0.46	130.0	± 9.6 %
		Y	5.04	67.43	16.92		130.0	
		Z	4.97	67.22	16.71		130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.93	67.39	16.83	0.46	130.0	±9.6 %
		Y	4.93	67.57	17.00		130.0	
		Z	4.87	67.36	16.79		130.0	1
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.71	66.78	16.21	0.46	130.0	±9.6 %
		Y	4.73	67.02	16.43	1	130.0	
		Z	4.65	66.73	16.16		130.0	
10588- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.76	66.79	16.23	0.46	130.0	± 9.6 %
		Y	4.77	67.05	16.45		130.0	
		Z	4.69	66.76	16.18		130.0	
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.83	67.44	16.78	0.46	130.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Y	4.84	67.63	16.95	1	130.0	1
		Z	4.77	67.41	16.74		130.0	
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.66	66.56	16.03	0.46	130.0	± 9.6 %
		+	1.00	00.00	10.00	1	1	
		Y	4.68	66.83	16.26		130.0	

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10591- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.94	66.84	16.61	0.46	130.0	± 9.6 %
		Y	4.95	67.02	16.78	<u> </u>	130.0	1
		Z	4.89	66.83	16.58	<u> </u>	130.0	
10592- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.11	67.18	16.74	0.46	130.0	± 9.6 %
		Y	5.11	67.36	16.91		130.0	
		Z	5.05	67.16	16.71		130.0	
10593- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.04	67.12	16.64	0.46	130.0	± 9.6 %
		Y	5.04	67.31	16.81		130.0	
10594-		Z	4.97	67.08	16.60		130.0	
AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	5.09	67.26	16.77	0.46	130.0	± 9.6 %
		<u> </u>	5.09	67.44	16.95		130.0	
10595-	IEEE 802.11n (HT Mixed, 20MHz,	Z	5.02	67.24	16.74		130.0	
	MCS4, 90pc duty cycle)	X	5.06	67.23	16.68	0.46	130.0	± 9.6 %
<u> </u>		Y	5.07	67.42	16.86		130.0	
10596-	IEEE 802.11n (HT Mixed, 20MHz,	Z	4.99	67.20	16.64		130.0	ļ
AAA	MCS5, 90pc duty cycle)	X	5.00	67.23	16.68	0.46	130.0	± 9.6 %
		Y 7	5.01	67.44	16.87		130.0	
10597-	IEEE 802.11n (HT Mixed, 20MHz,	ZX	4.93	67.20	16.65		130.0	
AAA	MCS6, 90pc duty cycle)		4.95	67.15	16.58	0.46	130.0	± 9.6 %
		Y	4.96	67.36	16.77	_	130.0	
10598-	IEEE 802.11n (HT Mixed, 20MHz,	Z	4.88	67.11	16.54		130.0	
AAA	MCS7, 90pc duty cycle)	X	4.92	67.37	16.82	0.46	130.0	±9.6 %
		Y	4.93	67.55	16.99		130.0	
10500		Z	4.86	67.32	16.78		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.62	67.44	16.83	0.46	130.0	± 9.6 %
		Y	5.62	67.59	16.99		130.0	
10000		Z	5.57	67.41	16.81		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.83	68.08	17.13	0.46	130.0	± 9.6 %
		Y	5.83	68,26	17.31		130.0	
40004		Z	5.75	67.98	17.08		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.67	67.70	16.95	0.46	130.0	± 9.6 %
		Y	5.68	67.87	17.12		130.0	· · · · · · · · · · · · · · · · · · ·
40000		Z	5.61	67.65	<u>1</u> 6.92		130.0	
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.76	67.70	16.88	0.46	130.0	± 9.6 %
		Y	5.77	67.88	17.05		130.0	
10603-	IEEE 802.11n (HT Mixed, 40MHz,	Z	5.71	67.69	16.87		130.0	
AAA	MCS4, 90pc duty cycle)	X	5.83	67.96	17.13	0.46	130.0	±9.6 %
		Y	5.84	68.14	17.30		130.0	
10604-		Z	5.78	67.93	17.11		130.0	
AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.62	67.40	16.84	0.46	130.0	±9.6 %
		Y	5.63	67.56	17.00		130.0	
10605-		Z	5.57	67.37	16.81		130.0	1
AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.75	67.79	17.04	0.46	130.0	± 9.6 %
<u> </u>		Y	5.76	67.98	17.22		130.0	
10600		Z	5.71	67.80	17.04		130.0	
10606- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.50	67.17	16.59	0.46	130.0	± 9.6 %
		Y	5.51	67.36	16.78		130.0	
		Z	5.45	67.15	16.57		130.0	

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10607- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.77	66.11	16.20	0.46	130.0	± 9.6 %
		Y	4.78	66.31	16.38		130.0	
		Z	4.72	66.10	16.17		130.0	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.97	66.53	16.37	0.46	130.0	±9.6 %
		Y	4.98	66.73	16.55		130.0	
		Z	4.91	66.51	16.34		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.86	66.39	16.22	0.46	130.0	± 9.6 %
		Y	4.87	66.61	16.41		130.0	
		Z	4.80	66.37	16.19		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.91	66.54	16.37	0.46	130.0	± 9.6 %
		Y	4.92	66.75	16.55		130.0	
		Z	4.85	66.52	16.34		130.0	
10611- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.83	66.37	16.24	0.46	130.0	± 9.6 %
		Y	4.84	66.58	16.42		130.0	
		Z	4.77	66.34	16.20		130.0	
10612- AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.85	66.53	16.28	0.46	130.0	± 9.6 %
		Y	4.86	66.77	16.48		130.0	
		Z	4.78	66.50	16.25		130.0	
10613- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.86	66.45	16.19	0.46	130.0	± 9.6 %
		Y	4.87	66.68	16.39		130.0	
		Z	4.79	66.40	16.14		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.79	66.59	16.39	0.46	130.0	± 9.6 %
		Y	4.80	66.80	16.57		130.0	
		Z	4.72	66.55	16.34		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.84	66.22	16.03	0.46	130.0	± 9.6 %
		Y	4.85	66.46	16.24		130.0	
		Z	4.77	66.19	15.99		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.43	66.66	16.42	0.46	130.0	± 9.6 %
		Y	5.44	66.83	16.58		130.0	
		Z	5.38	66.62	16.39		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.49	66.80	16.46	0.46	130.0	± 9.6 %
		Y	5.50	66.99	16.63		130.0	
		Z	5.45	66.83	16.47		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.38	66.84	16.49	0.46	130.0	± 9.6 %
		Y	5.39	67.01	16.65		130.0	
		Z	5.33	66.80	16.47		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.41	66.69	16.36	0.46	130.0	± 9.6 %
		Y	5.42	66.88	16.53		130.0	
		Z	5.36	66.66	16.34		130.0	
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.51	66.76	16.45	0.46	130.0	± 9.6 %
		Y	5.52	66.94	16.61		130.0	
		Z	5.45	66.69	16.40		130.0	
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.49	66.80	16.57	0.46	130.0	± 9.6 %
		Y	5.49	66.95	16.72		130.0	
		Z	5.43	66.76	16.55		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.50	66.97	16.65	0.46	130.0	± 9.6 %
		Y	5.51	67.14	16.81		130.0	
		Z	5.46	66.96	16.64	1	130.0	

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10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.38	66.52	16.31	0.46	130.0	± 9.6 %
		Y	5.39	66.70	16.48	<u>├───</u> ─────	120.0	
·		Z	5.33	66.49	16.48	·	130.0	· · · · ·
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.58	66.73	16.48	0.46	130.0 130.0	± 9.6 %
		Y	5.59	66.90	16.64	·	130.0	
		Z	5.52	66.69	16.46		130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.03	67.94	17.14	0.46	130.0	± 9.6 %
		Y	6.04	68.15	17.32	<u> </u>	130.0	<u> -</u>
		Z	5.94	67.84	17.08	[	130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.70	66.70	16.37	0.46	130.0	± 9.6 %
		Y	5.71	66.85	16.51		130.0	
		Z	5.66	66.67	16.35		130.0	
10627- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.98	67.34	16.65	0.46	130.0	± 9.6 %
		Y	5.99	67.51	16.80		130.0	-
		Z	5.93	67.32	16.64		130.0	
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.76	66.88	16.35	0.46	130.0	± 9.6 %
		Y	5.78	67.04	16.51		130.0	
10000		Z	5.72	66.82	16.32		130.0	
10629- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.85	66.94	16.38	0.46	130.0	± 9.6 %
		Y	5.86	67.11	16.54		130.0	
40000		Z	5.81	66.93	16.37		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.47	68.96	17.39	0.46	130.0	± 9.6 %
		Y	6.50	69.20	17.59		130.0	
		Z	6.37	68.78	17.30		130.0	
10631- AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.25	68.39	17.28	0.46	130.0	± 9.6 %
		Ý	6.25	68.53	17.42		130.0	
		Z	6.15	68.22	17.20		130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.93	67.33	16.77	0.46	130.0	± 9.6 %
		Y	5.93	67.47	16.90		130.0	· · · · · · · · · · · · · · · · · · ·
		Z	5.89	67.32	16.77		130.0	
10633- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.83	67.02	16.45	0.46	130.0	± 9.6 %
<u>_</u> <u>_</u>		Y	5.83	67.17	16.59		130.0	
		Z	5.76	66.93	16.40		130.0	·
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.80	67.01	16.50	0.46	130.0	±9.6 %
·		Y	5.81	67.15	16.64		130.0	
40005		Z	5.75	66.94	16.47		130.0	
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.71	66.44	15.97	0.46	130.0	±9.6 %
		Ý	5.72	66.63	16.15		130.0	··
40000		Z	5.64	66.35	15.92		130.0	······································
10636- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.12	67.11	16.48	0.46	130.0	± 9.6 %
		Y	6.13	67.25	16.62		130.0	
10007		Z	6.09	67.07	16.46		130.0	`
10637- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.30	67.52	16.67	0.46	130.0	±9.6 %
		Y	6.31	67.68	16.81		130.0	
10620		Z	6.26	67.49	16.65		130.0	
10638- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.30	67.50	16.63	0.46	130.0	± 9.6 %
<u> </u>		Ŷ	6.31	67.65	16.78		130.0	· · · · · ·
		Z	6.26	67.46	16.61			

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10639- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.28	67.46	16.65	0.46	130.0	± 9.6 %
		Y	6.28	67.59	16.79		130.0	
		Z	6.23	67.38	16.62		130.0	
10640- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.30	67.54	16.64	0.46	130.0	± 9.6 %
		Y	6.31	67.70	16.79		130.0	
		Z	6.24	67.43	16.59		130.0	
10641-         IEEE 1602.11ac WiFi (160MHz, MCS5, AAA           90pc duty cycle)         90pc duty cycle)	X	6.31	67.32	16.55	0.46	130.0	± 9.6 %	
		Y	6.32	67.48	16.70		130.0	
		Z	6.28	67.31	16.54		130.0	
AAA 90pc duty cycle)	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.36	67.59	16.84	0.46	130.0	± 9.6 %
		Y	6.36	67.71	16.97		130.0	
		Z	6.31	67.52	16.81	1	130.0	
10643- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.20	67.31	16.61	0.46	130.0	± 9.6 %
		Y	6.21	67.47	16.77		130.0	
		Z	6.16	67.26	16.58		130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.42	67.97	16.97	0.46	130.0	±9.6 %
		Ŷ	6.43	68.15	17.13		130.0	
		Z	6.34	67.82	16.88		130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.93	69.02	17.44	0.46	130.0	± 9.6 %
		Y	6.97	69.27	17.65		130.0	
		Z	6.82	68.81	17.34		130.0	
10646- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	47.20	124.94	41.34	9.30	60.0	± 9.6 %
		Y	100.00	143.87	46.72		60.0	
		Z	42.87	123.31	40.85		60.0	
10647- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	47.80	126.16	41.84	9.30	60.0	± 9.6 %
		Y	100.00	144.94	47.17	[	60.0	
		Z	42.80	124.20	41.27	[	60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.75	63.57	11.13	0.00	150.0	± 9.6 %
		Y	0.80	64.99	12.02	1	150.0	
		Z	0.70	63.11	10.54		150.0	

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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



Schweizerischer Kalibrierdienst S Service suisse d'étalonnage С Servizio svizzero di taratura S

BN~ 03-01-2017

**Swiss Calibration Service** 

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Client PC Test Certificate No: EX3-3914\_Feb17

CALIBRAT	101	N CE	RTI	FIC	ATE

Object

EX3DV4 - SN:3914

Calibration procedure(s)

QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v4, QA CAL-23.v5, QA CAL-25.v6 Calibration procedure for dosimetric E-field probes

Calibration date:

February 13, 2017

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	06-Apr-16 (No. 217-02288/02289)	Apr-17
Power sensor NRP-Z91	SN: 103244	06-Apr-16 (No. 217-02288)	Apr-17
Power sensor NRP-Z91	SN: 103245	06-Apr-16 (No. 217-02289)	Apr-17
Reference 20 dB Attenuator	SN: S5277 (20x)	05-Apr-16 (No. 217-02293)	Apr-17
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
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-16)	In house check: Oct-17

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	N 12
			F-C
Approved by:	Katja Pokovic	Technical Manager	111 111
			LE US
			Issued: February 13, 2017
This calibration cartificate	e shall not be reproduced except in fu	Il without written approval of the lab	oratory.

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



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Accreditation No.: SCS 0108

- S Servizio svizzero di taratura
- **5** Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary:	
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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 9	9 rotation around an axis that is in the plane normal to probe axis (at measurement center),
	i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

#### Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- Techniques", June 2013
  b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
- 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 9 = 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<sup>2</sup>-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:3914

Manufactured: Calibrated:

December 18, 2012 February 13, 2017

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

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.46	0.41	0.44	± 10.1 %
DCP (mV) <sup>B</sup>	98.6	102.5	103.7	

#### **Modulation Calibration Parameters**

UID	Communication System Name		A dB	B dB√μV	C	D dB	VR mV	Unc <sup>E</sup> (k=2)
0	CW	X	0.0	0.0	1.0	0.00	156.6	±3.3 %
		Y	0.0	0.0	1.0		139.0	
		Z	0.0	0.0	1.0		149.0	

Note: For details on UID parameters see Appendix.

#### **Sensor Model Parameters**

	C1	C2	α	T1	T2	Т3	T4	T5	T6
	fF	fF	V-1	ms.V <sup>-2</sup>	ms.V⁻¹	ms	V-2	V⁻¹	
X	46.19	344.3	35.58	12.88	0.995	4.971	0.985	0.325	1.004
Y	48.34	356	34.87	12.19	1.102	4.961	0.683	0.315	1.003
Z	44.31	328.7	35.26	10.14	1.122	4.975	1.527	0.227	1.005

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%.

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

<sup>B</sup> Numerical linearization parameter: uncertainty not required. <sup>E</sup> Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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)
6	55.5	0.75	21.32	21.32	21.32	0.00	1.00	± 13.3 %
13	55.5	0.75	17.87	17.87	17.87	0.00	1.00	± 13.3 %
5250	35.9	4.71	5.49	5.49	5.49	0.30	1.80	± 13.1 %
5600	35.5	5.07	4.94	4.94	4.94	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.91	4.91	4.91	0.40	1.80	± 13.1 %

#### Calibration Parameter Determined in Head Tissue Simulating Media

<sup>c</sup> Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  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  $\pm$  110 MHz.

validity can be extended to  $\pm$  110 MHz. <sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to  $\pm$  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  $\pm$  5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

the ConvF uncertainty for indicated target tissue parameters. <sup>6</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.

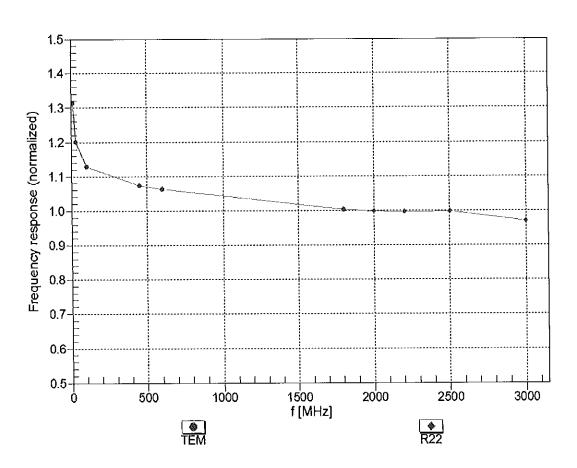
f (MHz) <sup>c</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	55.5	0.96	9.98	9.98	9.98	0.45	0.88	± 12.0 %
835	55.2	0.97	9.73	9.73	9.73	0.40	0.88	± 12.0 %
1750	53.4	1.49	8.01	8.01	8.01	0.32	1.02	± 12.0 %
1900	53.3	1.52	7.75	7.75	7.75	0.34	0.95	± 12.0 %
2300	52.9	1.81	7.56	7.56	7.56	0.44	0.80	± 12.0 %
2450	52.7	1.95	7.45	7.45	7.45	0.35	0.90	± 12.0 %
2600	52.5	2.16	7.24	7.24	7.24	0.29	0.95	± 12.0 %
5250	48.9	5.36	4.78	4.78	4.78	0.40	1.90	± 13.1 %
5600	48.5	5.77	4.07	4.07	4.07	0.45	1.90	± 13.1 %
5750	48.3	5.94	4.15	4.15	4.15	0.50	1.90	± 13.1 %

#### Calibration Parameter Determined in Body Tissue Simulating Media

<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 validity can be extended to ± 110 MHz.

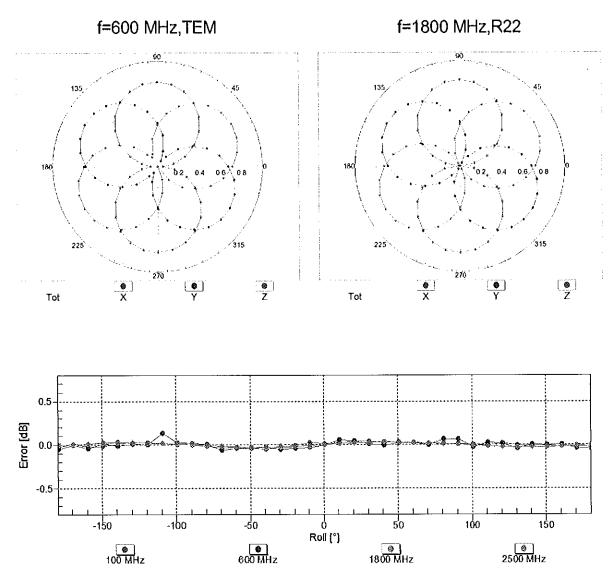
validity can be extended to  $\pm$  110 MHz. <sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to  $\pm$  10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to  $\pm$  5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

the ConvF uncertainty for indicated target tissue parameters. <sup>6</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.



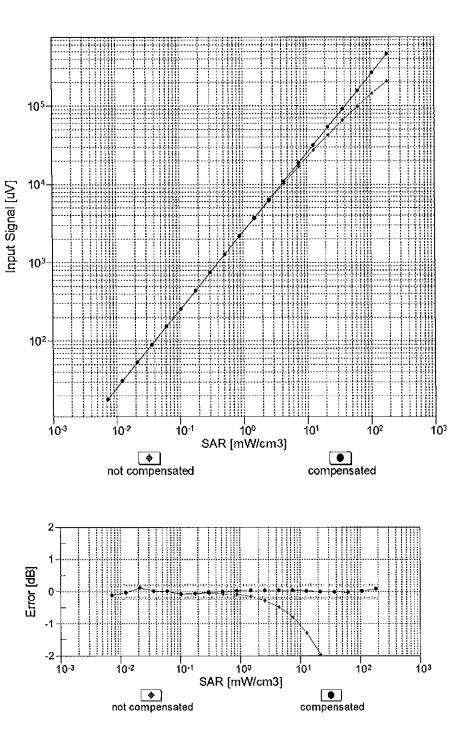
## Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



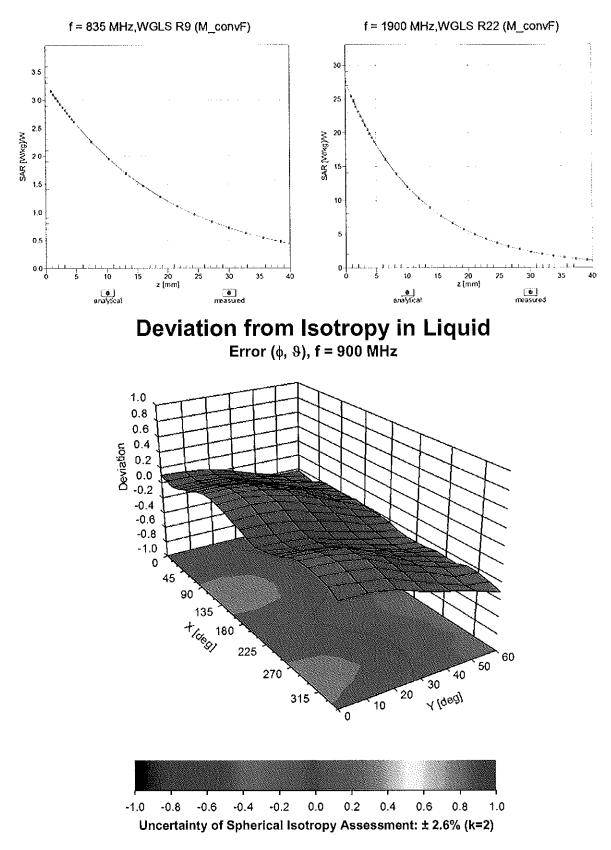
## Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

Uncertainty of Axial Isotropy Assessment: ± 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**

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	130.8
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 dBõV	С	D dB	VR mV	Max Unc <sup>E</sup> (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	156.6	± 3.3 %
		Y	0.00	0.00	1.00		139.0	
10010-	SAR Validation (Square, 100ms, 10ms)	Z	0.00	0.00	1.00	40.00	149.0	
CAA	SAR validation (Square, Tooms, Toms)	X	2.67	66.07	10.73	10.00	20.0	± 9.6 %
		Y	2.77	66.16	10.84		20.0	
10011-	UMTS-FDD (WCDMA)	ZX	3.01 1.07	67.22 68.17	11.52 15.86	0.00	20.0 150.0	1008
CAB						0.00		± 9.6 %
		Y Z	1.14 1.05	69.43 67.81	16.60		150.0 150.0	
10012-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	X	1.18	63.94	15.63 15.29	0.41	150.0	± 9.6 %
CAB	Mbps)					0.41		I 9.0 %
		Y	1.19	64.27	15.54		150.0	
		Z	1.17	63.79	15.16		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	X	4.82	66.52	16.88	1.46	150.0	±9.6 %
		Y	4.84	66.55	16.88		150.0	
40004		Z	4.80	66.54	16.86		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	X	10.62	83.12	18.62	9.39	50.0	±9.6 %
		Y	8.33	79.79	17.55		50.0	
10000		Z	13.42	86.52	20.09		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	8.76	80.53	17.78	9.57	50.0	±9.6 %
		Y	7.40	78.13	16.99		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	Z X	10.55 21.17	83.20 91.31	19.04 19.68	6.56	50.0 60.0	±9.6 %
DAC		Y	12.07	85.13	17.96		60.0	
		Z	52.32	102.57	22.98		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	4.95	72.82	26.24	12.57	50.0	±9.6 %
		Y	7.53	84.57	31.77		50.0	
		Z	4.80	71.26	25.29		50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	8.84	88.73	30.42	9.56	60.0	±9.6 %
		Y	10.05	91.59	31.44		60.0	
		Z	8.11	86.61	29.62		60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	106.86	22.53	4.80	80.0	±9.6 %
		Y	100.00	106.55	22.42		80.0	
10028-	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	Z X	100.00 100.00	109.38 107.35	23.65 22.11	3.55	80.0 100.0	± 9.6 %
DAC	· · · · · · · · · · · · · · · · · · ·		100.00	407.00	04.00		100.0	
		Y Z		107.02	21.99 23.40		100.0	
10029-	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	100.00 5.77	110.40 79.87	23.40	7.80	80.0	± 9.6 %
DAC						1.00		1 3.0 %
		Y Z	6.21 5.35	81.41 78.22	26.54 25.29		80.0 80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	13.42	86.20	17.57	5.30	70.0	± 9.6 %
<u> </u>		Y	9.31	82.44	16.50		70.0	
		Z	29.70	95.60	20.46		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	106.43	20.54	1.88	100.0	± 9.6 %
-		Y	100.00	106.56	20.60	l	100.0	
		Z	100.00	109.99	21.95		100.0	

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10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	112.98	22.39	1.17	100.0	± 9.6 %
		Y	100.00	114.09	22.82		100.0	
		Z	100.00	117.75	24.22		100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Х	5.28	79.65	19.49	5.30	70.0	± 9.6 %
		Y	5.39	79.85	19.61	· · · · · ·	70.0	
		Z	4.87	78.68	19.23		70.0	
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	2.39	73.05	16.10	1.88	100.0	± 9.6 %
<u> </u>		Y	2.51	73.86	16.59		100.0	
4000		Z	2.22	72.28	15.77		100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	×	1.86	71.23	15.30	1.17	100.0	± 9.6 %
		Y	1.97	72.22	15.90		100.0	
10036-		Z	1.74	70.56	14.96		100.0	
CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	6.16	82.06	20.41	5.30	70.0	± 9.6 %
		Y	6.25	82.19	20.50		70.0	
10037-		Z	5.60	80.92	20.11		70.0	
CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	2.26	72.39	15.80	1.88	100.0	± 9.6 %
		Y	2.37	73.21	16.30		100.0	
40000		Z	2.09	71.60	15.47		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	1.87	71.57	15.55	1.17	100.0	± 9.6 %
		Y	2.00	72.59	16.17		100.0	
10000		Z	1.75	70.84	15.19		100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	X	2.22	74.99	16.99	0.00	150.0	± 9.6 %
		Y	2.65	77.61	18.26		150.0	
		Z	2.08	74.23	16.52		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	X	7.56	79.14	16.13	7.78	50.0	± 9.6 %
		Y	6.34	77.01	15.44		50.0	··· ·
		Z	11.33	84.23	18.10		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	97.59	0.84	0.00	150.0	± 9.6 %
<u>,</u> .		Y	0.00	98.99	0.04		150.0	
		Z	0.00	96.10	0.72		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	6.44	73.35	16.60	13.80	25.0	± 9.6 %
		Y	6.16	72.26	16.24		25.0	· · · ·
40040		Z	7.34	74.65	17.41		25.0	· · ·
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	6.68	76.08	16.45	10.79	40.0	± 9.6 %
		Y	6.26	74.90	16.07		40.0	
40050		Ζ	7.59	77.73	17.40		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	8.65	81.91	20.55	9.03	50.0	± 9.6 %
		_Y [	8.47	81.27	20.33		50.0	
40050		Ζ	8.59	81.70	20.58		50.0	
10058- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	Х	4.50	75.41	23.42	6.55	100.0	± 9.6 %
······		Y	4.71	76.39	23.81		100.0	
10050		Z	4.21	74.08	22.88		100.0	
10059- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	х 	1.22	64.88	15.72	0.61	110.0	± 9.6 %
"		Y	1.23	65.26	15.98		110.0	
10000		Z	1.20	64.63	15.56		110.0	
10060- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	Х	5.20	91.89	23.64	1.30	110.0	± 9.6 %
-,		1						
		Y Z	8.22	98.67	25.63		110.0	

10061-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	X	2.42	76.11	40.07	0.04	440.0	
CAB	Mbps)				19.87	2.04	110.0	± 9.6 %
		Y	2.58	77.18	20.29		110.0	
40000		Z	2.18	74.61	19.37		110.0	
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.65	66.63	16.45	0.49	100.0	± 9.6 %
		Y	4.67	66.69	16.47		100.0	
		Z	4.63	66.64	16.42		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.66	66.68	16.51	0.72	100.0	± 9.6 %
		Y	4.68	66.74	16.53		100.0	
		Z	4.63	66.69	16.48		100.0	
10064- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.94	66.91	16.71	0.86	100.0	±9.6 %
		Y	4.96	66.98	16.73		100.0	
		Z	4.91	66.92	16.68		100.0	
10065- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.80	66.77	16.76	1.21	100.0	± 9.6 %
		Y	4.82	66.84	16.78		100.0	
		Z	4.77	66.77	16.73		100.0	
10066- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.81	66.75	16.88	1.46	100.0	± 9.6 %
		Y	4.83	66.82	16.89		100.0	
		Ż	4.78	66.75	16.85		100.0	
10067- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.09	66.88	17.26	2.04	100.0	± 9.6 %
•••		Y	5.11	66.92	17.27		100.0	
		Z	5.07	66.91	17.25		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.13	66.89	17.43	2.55	100.0	± 9.6 %
0/10		Y	5.16	66.96	17.45		100.0	
		Z	5.10	66.89	17.41		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.21	66.88	17.61	2.67	100.0	± 9.6 %
0/10	(1000)	Y	5.23	66.94	17.62		100.0	
		Z	5.18	66.90	17.59		100.0	
10071-	IEEE 802.11g WiFi 2.4 GHz	X	4.91	66.56	17.12	1.99	100.0	± 9.6 %
CAB	(DSSS/OFDM, 9 Mbps)					1.00		1 5.0 %
		Y	4.92	66.60	17.13		100.0	
(0070		Z	4.89	66.58	17.10	0.00	100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.88	66.83	17.29	2.30	100.0	± 9.6 %
		Y	4.90	66.89	17.30		100.0	ļ
10073-	IEEE 802.11g WiFi 2.4 GHz	Z X	4.86 4.94	66.85 66.95	17.27 17.56	2.83	100.0 100.0	± 9.6 %
CAB	(DSSS/OFDM, 18 Mbps)		A 05	67.04	17.50		100.0	
		Y	4.95	67.01	17.56		100.0	
10074-	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	Z X	4.92 4.92	66.98 66.84	17.54 17.68	3.30	100.0 100.0	± 9.6 %
CAB		Y	4.94	66.89	17.68		100.0	1
		Z	4.94	66.87	17.66		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4.91 4.96	66.95	17.00	3.82	90.0	± 9.6 %
UAD		Y	4.99	67.03	17.97		90.0	+
		Z	4.99	66.97	17.97		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	4.93	66.76	18.06	4.15	90.0	± 9.6 %
		Y	5.00	66.82	18.07		90.0	1
							-	
40077		Z	4.98	66.79	18.06	1 20	90.0	+060/
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)		5.01	66.82	18.15	4.30	90.0	± 9.6 %
		Y	5.02	66.89	18.16		90.0	ļ
		Z	5.01	66.87	18.15		90.0	

10081- CAB	CDMA2000 (1xRTT, RC3)	X	0.92	67.41	13.37	0.00	150.0	± 9.6 %
		Y	1.03	69.09	14.44	·	150.0	1
		Z	0.88	66.94	12.99	<u> </u>	150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fulirate)	X	0.63	57.80	3.24	4.77	80.0	± 9.6 %
		Y	0.66	58.21	3.60		80.0	
10000		Z	0.62	57.96	3.46		80.0	
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	20.08	90.74	19.54	6.56	60.0	± 9.6 %
		Ŷ	11.65	84.73	17.86		60.0	
10097-	UMTS-FDD (HSDPA)	Z	47.95	101.61	22.77		60.0	
CAB		X	1.89	68.37	16.12	0.00	150.0	± 9.6 %
		Y	1.94	68.91	16.47		150.0	
10098-	UMTS-FDD (HSUPA, Subtest 2)	Z	1.87	68.28	16.00		150.0	ļ
CAB		X	1.85	68.32	16.09	0.00	150.0	± 9.6 %
		Y	1.90	68.87	16.45		150.0	
10099-	EDGE-FDD (TDMA, 8PSK, TN 0-4)	ZX	1.83	68.22	15.96		150.0	
DAC			8.88	88.80	30.43	9.56	60.0	± 9.6 %
		Y	10.09	91.64	31.45		60.0	
10100-	LTE-FDD (SC-FDMA, 100% RB, 20	Z	8.15	86.66	29.63		60.0	
	MHz, QPSK)	X	3.20	70.80	17.02	0.00	150.0	± 9.6 %
		Y	3.31	71.44	17.31		150.0	
10101-	LTE-FDD (SC-FDMA, 100% RB, 20	Z	3.15	70.62	16.92		150.0	
CAC	MHz, 16-QAM)	X	3.26	67.72	16.10	0.00	150.0	± 9.6 %
· · · ·		Y	3.31	68.03	16.26		150.0	
10102-		Z	3.23	67.65	16.04	"	150.0	
CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.37	67.70	16.20	0.00	150.0	± 9.6 %
		Y	3.41	67.97	16.34		150.0	
40400		Z	3.34	67.64	16.14		150.0	
10103- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	6.10	74.42	19.52	3.98	65.0	±9.6 %
· · · ·		Y	5.87	73.66	19.14		65.0	
10101		Z	5.74	73.57	19.22		65.0	
10104- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	6.15	72.80	19.65	3.98	65.0	±9.6 %
		Y	6.23	72.96	19.68		65.0	
40405		Z	5.94	72.31	19.46		65.0	
10105- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	5.87	71.80	19.52	3.98	65.0	±9.6 %
		Y	5.67	71.06			65.0	
10109		Z	5.56	70.91	19.13		65.0	
10108- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.79	70.03	16.86	0.00	150.0	± 9.6 %
		Y	2.88	70.63	17.15		150.0	
10109-		Z	2.74	69.86	16.75		150.0	
CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.92	67.64	16.04	0.00	150.0	± 9.6 %
· ,		Y	2.97	67.95	16.22		150.0	
10110			2.89	67.57	15.96		150.0	
10110- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.26	69.17	16.48	0.00	150.0	± 9.6 %
		Y	2.35	69.78	16.82		150.0	
		Z	2.22	68.99	16.35		150.0	
10111- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.67	68.78	16.48	0.00	150.0	±9.6 %
		Y	2.73	69.09	16.70		150.0	
		Z	2.65	68.73	16.39	-	150.0	

10112- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.05	67.64	16.10	0.00	150.0	±9.6 %
		Y	3.10	67.91	16.26	·· ·	150.0	
		z	3.02	67.58	16.03		150.0	
10113- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.83	68.92	16.61	0.00	150.0	± 9.6 %
		Y	2.88	69.19	16.80		150.0	
		z	2.80	68.89	16.53		150.0	
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.14	67.30	16.52	0.00	150.0	±9.6 %
		Y	5.15	67.37	16.54		150.0	
		Z	5.11	67.28	16.49		150.0	
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.41	67.39	16.58	0.00	150.0	± 9.6 %
		Y	5.44	67.49	16.61		150.0	
		Z	5.37	67.35	16.53		150.0	
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.23	67.48	16.54	0.00	150.0	± 9.6 %
		Y	5.25	67.56	16.57		150.0	
		Z	5.20	67.46	16.50		150.0	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.10	67.15	16.47	0.00	150.0	± 9.6 %
		Y	5.12	67.24	16.50		150.0	
		Z	5.07	67.14	16.44		150.0	
10118- CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)	X	5.49	67.59	16.68	0.00	150.0	± 9.6 %
		Y	5.52	67.68	16.71		150.0	
		Z	5.45	67.53	16.63		150.0	
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)	X	5.21	67.43	16.53	0.00	150.0	± 9.6 %
		Y	5.22	67.50	16.55		150.0	
		Z	5.18	67.41	16.49		150.0	
10140- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.40	67.70	16.11	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	3.45	67.97	16.25		150.0	
		Z	3.37	67.64	16.05		150.0	
10141- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.53	67.82	16.29	0.00	150.0	± 9.6 %
		Y	3.57	68.05	16.41		150.0	
		Ż	3.50	67.77	16.23		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.05	69.36	16.22	0.00	150.0	± 9.6 %
_	, , , , , , , , , , , , , , , , , , ,	Y	2.15	70.07	16.65	İ	150.0	
		Ż	2.01	69.16	16.05	1	150.0	1
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.58	69.85	16.32	0.00	150.0	± 9.6 %
		Y	2.67	70.31	16.66		150.0	
		Z	2.55	69.76	16.17		150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.27	67.04	14.44	0.00	150.0	± 9.6 %
		Y	2.35	67.51	14.81		150.0	
		Z	2.23	66.89	14.26		150.0	
10145- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.27	65.89	12.21	0.00	150.0	± 9.6 %
		Y	1.42	67.33	13.21	·	150.0	
		Z	1.20	65.32	11.71		150.0	
10146- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	1.76	65.12	10.79	0.00	150.0	± 9.6 %
		Y	1.85	65.98	11.50		150.0	
		Z	1.79	65.33	10.70		150.0	
10147- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.02	66.77	11.72	0.00	150.0	± 9.6 %
		Y	2.20	68.07	12.63		150.0	
		Ż	2.10	67.13	11.69	1	150.0	1

10149- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.93	67.71	16.09	0.00	150.0	± 9.6 %
		Y	2.98	68.02	16.27		150.0	·
		Z	2.90	67.64	16.02		150.0	
10150- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.06	67.71	16.14	0.00	150.0	± 9.6 %
••• . <u> </u>		Y	3.10	67.97	16.30		150.0	
		Z	3.03	67.65	16.07		150.0	
10151- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	6.20	76.14	20.26	3.98	65.0	± 9.6 %
		Y	6.27	76.18	20.22		65.0	
		Z	5.93	75.60	20.10		65.0	
10152- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	5.64	72.55	19.21	3.98	65.0	± 9.6 %
		Y	5.73	72.74	19.28		65.0	
		Z	5.43	72.04	19.00	· · · · · · · · · · · · · · · · · · ·	65.0	
10153- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	6.03	73.59	20.04	3.98	65.0	± 9.6 %
		Y	6.10	73.69	20.06		65.0	
		Ζ	5.81	73.08	19.84		65.0	
10154- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.32	69.68	16.78	0.00	150.0	± 9.6 %
		Y	2.41	70.30	17.13		150.0	
		Z	2.28	69.49	16.65		150.0	
10155- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.68	68.79	16.50	0.00	150.0	± 9.6 %
		Y	2.73	69.11	16.71		150.0	
		Z	2.65	68.75	16.41		150.0	
10156- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.92	69.63	16.09	0.00	150.0	± 9.6 %
		Ϋ́	2.03	70.50	16.63		150.0	·····
		Z	1.87	69.37	15.88		150.0	
10157- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.14	67.82	14.58	0.00	150.0	± 9.6 %
		Y	2.24	68.46	15.06		150.0	
		Z	2.09	67.62	14.35		150.0	······································
10158- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.84	69.00	16.66	0.00	150.0	±9.6 %
		Y	2.89	69.26	16.85		150.0	
		Z	2.81	68.97	16.58		150.0	
10159- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.26	68.38	14.91	0.00	150.0	±9.6 %
		Y	2.37	69.05	15.40		150.0	
		Z	2.21	68.17	14.68		150.0	
10160- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.78	69.02	16.58	0.00	150.0	± 9.6 %
		Y	2.84	69.39	16.78		150.0	
10101		Z	2.74	68.91	16.49		150.0	
10161- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.96	67.68	16.09	0.00	150.0	±9.6 %
		Y	3.00	67.95	16.25		150.0	
10100		Ż	2.93	67.62	16.01		150.0	
10162- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.07	67.83	16.20	0.00	150.0	± 9.6 %
		Y	3.11	68.07	16.35		150.0	
40402		Z	3.04	67.79	16.13		150.0	
10166- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.52	69.42	18.97	3.01	150.0	± 9.6 %
		Y	3.48	69.21	18.88		150.0	
<u></u>		Z	3.58	69.99	19.29		150.0	
10167- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	Х	4.35	72.55	19.50	3.01	150.0	± 9.6 %
		Y	4.23	72.10	19.35	<u> </u>	150.0	·

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10168- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	4.95	75.33	21.09	3.01	150.0	±9.6 %
		Y	4.74	74.55	20.78		150.0	
		Z	5.31	76.94	20.78		150.0	
10169- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.92	68.92	18.76	3.01	150.0	± 9.6 %
		Ŷ	2.83	68.61	18.65		150.0	
		Z	3.02	69.75	19.20		150.0	
10170- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.20	75.93	21.56	3.01	150.0	±9.6 %
		Y	3.90	74.95	21.22		150.0	
40474		Z	4.73	78.44	22.61		150.0	
10171- AAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.29	70.86	18.34	3.01	150.0	± 9.6 %
		Y	3.14	70.43	18.23		150.0	
10172-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz,	Z	3.53	72.31	18.98		150.0	
CAC	QPSK)	X Y	6.18	83.60	24.73	6.02	65.0	± 9.6 %
		Z	5.31 5.59	80.83	23.64		65.0	
10173-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz,	X	<u> </u>	82.35 88.05	24.48 24.34	6.02	65.0 65.0	+0.6.9/
CAC	16-QAM)	A Y	9.00		23.96	6.02		± 9.6 %
· · · · ·		Z	<u>9.20</u> 11.03	87.15 90.93			65.0 65.0	
10174-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz,	X	7,49	83.02	25.45 22.12	6.02	65.0	+0.0%
CAC	64-QAM)	Y	6.16			0.02		± 9.6 %
		Z	7.52	79.95 83.81	20.98		65.0	
10175- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.88	68.56	22.58 18.48	3.01	65.0 150.0	±9.6 %
		Y	2.79	68.29	18.39		150.0	
		z	2.97	69.36	18.91		150.0	
10176- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	4.20	75.96	21.58	3.01	150.0	±9.6 %
		Y	3.90	74.98	21.23		150.0	
		Z	4.74	78.47	22.62		150.0	
10177- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.90	68.74	18.59	3.01	150.0	±9.6 %
		Y	2.82	68.45	18.49		150.0	
		Z	3.00	69.54	19.02		150.0	
10178- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	4.15	75.68	21.43	3.01	150.0	±9.6 %
		Y	3.86	74.72	21.10		150.0	
		Z	4.66	78.13	22.46		150.0	
10179- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	3.69	73.16	19.77	3.01	150.0	±9.6 %
		Y	3.48	72.54	19.57		150.0	
		Z	4.04	75.08	20.59		150.0	
10180- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	3.28	70.77	18.28	3.01	150.0	± 9.6 %
		Y	3.13	70.35	18.17		150.0	
10101		Z	3.52	72.21	18.92		150.0	
10181- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.90	68.71	18.58	3.01	150.0	±9.6 %
		Y	2.81	68.43	18.49		150.0	
40400		Z	2.99	69.52	19.01	0.04	150.0	
10182- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	4.14	75.65	21.42	3.01	150.0	± 9.6 %
		<u>Y</u>	3.85	74.70	21.08		150.0	
40400		Z	4.65	78.10	22.45		150.0	
10183- AAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.28	70.75	18.27	3.01	150.0	± 9.6 %
		Y Z	3.12 3.51	70.33 72.19	18.16 18.91		150.0	
		1 4	0.01	12.18	10.91	1	100.0	

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10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	2.91	68.76	18.61	3.01	150.0	± 9.6 %
		Y	2.82	68.48	18.51		150.0	
		Z	3.00	69.57	19.04		150.0	
10185- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	4.16	75.74	21.46	3.01	150.0	± 9.6 %
		Y	3.87	74.78	21.12		150.0	· · · · · · · · · · · · · · · · · · ·
		Z	4.68	78.20	22.50		150.0	1
10186- AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	3.29	70.82	18.30	3.01	150.0	± 9.6 %
		Y	3.14	70.40	18.20		150.0	
		Z	3,53	72.27	18.95		150.0	
10187- CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.92	68.82	18.67	3.01	150.0	± 9.6 %
		Y	2.83	68.53	18.57		150.0	
		Z	3.01	69.64	19.11		150.0	
10188- CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.34	76.58	21.92	3.01	150.0	± 9.6 %
		Y	4.01	75.52	21.54		150.0	
		Z	4.92	79.24	23.02	[	150.0	
10189- AAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.38	71.31	18.62	3.01	150.0	± 9.6 %
		Y	3.21	70.86	18.50	· · · · · · · · · · · · · · · · · · ·	150.0	T
		Z	3.64	72.84	19.29		150.0	1
10193- CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.53	66.74	16.24	0.00	150.0	± 9.6 %
		Y	4.55	66.82	16.28		150.0	
		Z	4.50	66.75	16.20		150.0	·
10194- CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.70	67.04	16.36	0.00	150.0	± 9.6 %
		Y	4.73	67.14	16.40		150.0	
		Z	4.67	67.04	16.32		150.0	
10195- CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.74	67.07	16.38	0.00	150.0	± 9.6 %
		Y	4.77	67.16	16.42		150.0	
		Z	4.71	67.07	16.34		150.0	· · · · · ·
10196- CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.53	66.80	16.25	0.00	150.0	± 9.6 %
		Y	4.56	66.89	16.30		150.0	
		Z	4.50	66.80	16.21		150.0	
10197- CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)	X	4.71	67.06	16.37	0.00	150.0	± 9.6 %
		Y	4.74	67.16	16.41	· ····	150.0	
		Z	4.68	67.06	16.33		150.0	·
10198- CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)	X	4.74	67.09	16.39	0.00	150.0	± 9.6 %
· · · ·		Y	4.77	67.18	16.43		150.0	
		Z	4.71	67.09	16.35		150.0	
10219- CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.48	66.81	16.22	0.00	150.0	± 9.6 %
		Y	4.51	66.91	16.27		150.0	
100		Z	4.45	66.82	16.18		150.0	
10220- CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	X	4.70	67.03	16.36	0.00	150.0	± 9.6 %
		Ý	4.73	67.13	16.40		150.0	
100-		Z	4.67	67.03	16.32		150.0	
10221- CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)	X	4.75	67.02	16.37	0.00	150.0	±9.6 %
		Y	4.78	67.11	16.41		150.0	-
		Ζ	4.72	67.01	16.33	· · · · ·	150.0	
10222- CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.07	67.16	16.47	0.00	150.0	± 9.6 %
		Y	5.09	67.26	16.50		150.0	

10223- CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16- QAM)	X	5.37	67.36	16.58	0.00	150.0	± 9.6 %
		Y	5.39	67.42	16.59		150.0	· · · · · · · · · · · · · · · · ·
		Z	5.35	67.37	16.56	····	150.0	
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64- QAM)	X	5.12	67.28	16.45	0.00	150.0	± 9.6 %
	-	Y	5.14	67.37	16.48		150.0	
		Z	5.09	67.26	16.42		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	2.82	66.40	15.48	0.00	150.0	±9.6 %
		Y	2.86	66.59	15.66		150.0	
40000		Z	2.79	66.37	15.39		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	10.34	89.28	24.84	6.02	65.0	±9.6 %
		Y	9.78	88.26	24.43		65.0	
10227-		Z	11.95	92.40	26.02		65.0	
CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	9.45	86.56	23.34	6.02	65.0	± 9.6 %
		Y	8.84	85.37	22.86		65.0	
10000		Z	10.93	89.56	24.47		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	7.32	86.94	25.98	6.02	65.0	± 9.6 %
		Y	7.51	87.27	26.00		65.0	
10000		Z	7.20	87.24	26.30		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	9.74	88.16	24.39	6.02	65.0	± 9.6 %
		Y	9.28	87.26	24.01		65.0	
40000		Z	11.13	91.06	25.50		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	8.91	85.54	22.92	6.02	65.0	± 9.6 %
		Y	8.39	84.47	22.48		65.0	
10001		Z	10.18	88.33	24.00		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	7.00	86.05	25.58	6.02	65.0	±9.6 %
		Y	7.21	86.43	25.62		65.0	
		Z	6.88	86.32	25.89		65.0	
10232- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	9.72	88.14	24.38	6.02	65.0	±9.6 %
		Y	9.26	87.24	24.00		65.0	
		Z	11.11	91.04	25.49		65.0	
10233- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	8.89	85.52	22.92	6.02	65.0	± 9.6 %
		Y	8.37	84.45	22.47		65.0	
		Z	10.16	88.31	23.99		65.0	
10234- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	6.73	85.20	25.16	6.02	65.0	± 9.6 %
		Y	6.94	85.61	25.22		65.0	
		Z	6.62	85.46	25.47		65.0	
10235- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	9.73	88.16	24.39	6.02	65.0	± 9.6 %
		Y	9.26	87.26	24.01		65.0	
		Z	11.12	91.07	25.50		65.0	
10236- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	8.97	85.63	22.95	6.02	65.0	± 9.6 %
		Y	8.44	84.56	22.50		65.0	
1000-		Z	10.26	88.43	24.03		65.0	
10237- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	7.00	86.09	25.59	6.02	65.0	± 9.6 %
		Y	7.21	86.48	25.64		65.0	
		Z	6.88	86.35	25.91		65.0	
10238- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	9.70	88.11	24.37	6.02	65.0	± 9.6 %
		Y	9.24	87.21	23.99		65.0	
		Z	11.08	91.01	25.48		65.0	

10239- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	8.86	85.49	22.91	6.02	65.0	± 9.6 %
		Y	8.34	84.42	22.46		65.0	
		Z	10.12	88.27	23.98		65.0	-
10240- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	6.98	86.05	25.58	6.02	65.0	± 9.6 %
		Y	7.19	86.44	25.63		65.0	
		Z	6.87	86.32	25.89		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	7.66	79.41	24.04	6.98	65.0	± 9.6 %
		Y	7.53	78.99	23.87		65.0	
40040		Z	7.72	79.98	24.35		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	7.08	77.85	23.32	6.98	65.0	± 9.6 %
		Y	6.56	76.18	22.61		65.0	
10243-		Z	6.82	77.47	23.23		65.0	
CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	5.72	74.40	22.72	6.98	65.0	± 9.6 %
		Y	5.45	73.28	22.19		65.0	
40044		Z	5.52	73.92	22.57		65.0	
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	4.75	71.39	15.87	3.98	65.0	± 9.6 %
		Υ	4.77	71.48	16.03		65.0	
40045		Z	4.72	71.54	15.92		65.0	
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	4.68	70.96	15.63	3.98	65.0	± 9.6 %
		Y	4.72	71.09	15.82		65.0	
40040		Z	4.64	71.06	15.66		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	4.46	73.85	17.32	3.98	65.0	± 9.6 %
		Y	4.61	74.27	17.59		65.0	
40047		Z	4.17	73.10	17.00		65.0	
10247- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	4.62	71.66	17.10	3.98	65.0	± 9.6 %
		Y	4.72	71.92	17.30		65.0	
10010		Z	4.41	71.11	16.82		65.0	
10248- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	4.64	71.26	16.91	3.98	65.0	± 9.6 %
		Y	4.75	71.55	17.13		65.0	
10010		Z	4.42	70.71	16.63		65.0	
10249- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	5.55	77.29	19.64	3.98	65.0	± 9.6 %
		Y	5.67	77.48	19.75		65.0	
10050		Z	5.19	76.50	19.35		65.0	
10250- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	5.62	74.57	20.02	3.98	65.0	± 9.6 %
		Y	5.69	74.63	20.05		65.0	
10054		Z	5.39	73.98	19.78		65.0	
10251- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	5.39	72.65	18.85	3.98	65.0	± 9.6 %
		Y	5.48	72.84	18.95		65.0	
40050		Ζ	5.18	72.13	18.61		65.0	
10252- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	6.13	78.05	20.93	3.98	65.0	± 9.6 %
		Y	6.21	78.10	20.92		65.0	
10000		Ζ	5.78	77.32	20.70		65.0	
10253- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	5.54	72.10	19.00	3.98	65.0	± 9.6 %
		Y	5.62	72.26	19.07		65.0	
4005		Ζ	5.35	71.63	18.79		65.0	
10254- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	х	5.89	73.05	19.74	3.98	65.0	± 9.6 %
		Y	5.96	73.15	19.77		65.0	
		Z	5.69	72.56	19.53		65.0	<u>├</u>

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10255- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	5.96	75.63	20.26	3.98	65.0	± 9.6 %
	a	Y	6.03	75.68	20.24		65.0	
·		Z	5.70	75.08	20.08		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	3.65	67.68	13.12	3.98	65.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	3.72	67.99	13.43		65.0	
		Z	3.58	67.63	13.06		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.61	67.24	12.83	3.98	65.0	± 9.6 %
	-	Y	3.69	67.57	13.15		65.0	
		Z	3.52	67.14	12.74		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	3.39	69.66	14.64	3.98	65.0	± 9.6 %
		Y	3.55	70.26	15.05		65.0	
		Z	3.18	68.99	14.30		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	5.01	72.76	18.17	3.98	65.0	± 9.6 %
		Y	5.10	72.95	18.31		65.0	
		Z	4.79	72.21	17.91		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	5.05	72.57	18.09	3.98	65.0	± 9.6 %
		Y	5.14	72.76	18.24		65.0	
		Z	4.83	72.02	17.83		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	5.55	76.95	19.93	3.98	65.0	± 9.6 %
		Y	5.66	77.10	20.01		65.0	
		Z	5.23	76.20	19.66		65.0	
10262- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	5.61	74.51	19.98	3.98	65.0	± 9.6 %
		Y	5.68	74.58	20.01		65.0	1
		Z	5.37	73.92	19.73		65.0	1
10263- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	5.38	72.63	18.84	3.98	65.0	±9.6 %
		Y	5.47	72.82	18.95		65.0	
		Z	5.17	72.10	18.61		65.0	1
10264- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	6.07	77.87	20.84	3.98	65.0	± 9.6 %
		Y	6.16	77.94	20.84		65.0	
		Z	5.73	77.15	20.61		65.0	
10265- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	5.64	72.55	19.22	3.98	65.0	± 9.6 %
		Y	5.73	72.74	19.29		65.0	
		Z	5.43	72.04	19.01		65.0	
10266- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	6.02	73.57	20.03	3.98	65.0	± 9.6 %
		Y	6.09	73.68	20.05		65.0	
		Z	5.81	73.06	19.83		65.0	1
10267- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	6.19	76.11	20.24	3.98	65.0	± 9.6 %
		Y	6.26	76.15	20.20		65.0	
		Z	5.92	75.57	20.08		65.0	
10268- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	6.31	72.74	19.74	3.98	65.0	± 9.6 %
		Y Z	6.38 6.11	72.86 72.28	19.76 19.56	1	65.0 65.0	
10269-	LTE-TDD (SC-FDMA, 100% RB, 15	X	6.31	72.40	19.56	3.98	65.0	± 9.6 %
CAC	MHz, 64-QAM)	^ Y	6.37	72.40		0.00	65.0	1 3.0 %
. <b>.</b> .					19.68			
10070		Z	6.11	71.95	19.47	2.00	65.0	100%
10270- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	6.25	74.19	19.65	3.98	65.0	±9.6 %
		Y	6.30	74.22	19.60	L	65.0	
		1 Z	6.03	73.76	19.52	1	65.0	1

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.62	66.83	15.44	0.00	150.0	± 9.6 %
		Y	2.65	67.06	15.64		150.0	
		Z	2.60	66.81	15.36		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.66	68.56	15.99	0.00	150.0	± 9.6 %
		Y	1.74	69.37	16.47		150.0	
		Z	1.63	68.35	15.83		150.0	T
10277- CAA	PHS (QPSK)	X	2.45	61.81	7.48	9.03	50.0	± 9.6 %
		Y	2.59	62.16	7.82		50.0	]
40070		Z	2.54	62.07	7.75		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	4.03	68.72	13.51	9.03	50.0	± 9.6 %
		Y	4.22	69.17	13.84		50.0	
40070		Z	4.10	68.73	13.58		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	4.13	68.96	13.67	9.03	50.0	± 9.6 %
		Y	4.33	69.41	14.00		50.0	
10000		Z	4.19	68.95	13.73		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	X	1.59	70.25	14.71	0.00	150.0	± 9.6 %
		Y	1.82	72.15	15.78		150.0	
40004		Z	1.50	69.65	14.28		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	X	0.90	67.12	13.22	0.00	150.0	± 9.6 %
		Y	1.00	68.73	14.25		150.0	
10000		Z	0.86	66.67	12.84		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	1.36	73.82	16.65	0.00	150.0	± 9.6 %
		Ŷ	1.71	77.26	18.32		150.0	
		Z	1.28	73.01	16.14		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	3.29	86.77	21.89	0.00	150.0	± 9.6 %
		Y	4.71	92.66	24.11		150.0	
		Z	3.08	85.69	21.33		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	7.29	78.77	20.59	9.03	50.0	± 9.6 %
		Y	7.06	78.09	20.40		50.0	
u		Z	7.48	78.90	20.60		50.0	u
10297- AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.80	70.15	16.93	0.00	150.0	± 9.6 %
, ,,		Y	2.90	70.75	17.22		150.0	
		Z	2.76	69.98	16.83		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.64	68.64	14.60	0.00	150.0	±9.6 %
		Ŷ	1.79	69.89	15.40		150.0	
1000-		Z	1.57	68.20	14.24		150.0	
10299- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	2.47	68.83	13.61	0.00	150.0	±9.6 %
		Y	2.54	69.43	14.13		150.0	
		Z	2.67	69.79	13.88		150.0	
10300- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.84	64.47	10.78	0.00	150.0	± 9.6 %
		Υ	1.87	64.82	11.18		150.0	······
		Z	1.87	64.71	10.75		150.0	
10301- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.69	65.44	17.46	4.17	50.0	± 9.6 %
		Y	4.63	65.10	17.32	-	50.0	
		Z	4.65	65.38	17.36		50.0	
10302- AAA	1 1EEE 000 40- MINAAY (00.40 E	X	5.12	65.81	18.03	4.96	50.0	± 9.6 %
AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)		0.12	00.01			00.0	20.070
		Y Y	5.16	65.97	18.16		50.0	

10303- AAA	IEEE 802.16e WIMAX (31:15, 5ms,	X	4.87	65.45	17.87	4.96	50.0	± 9.6 %
/ ////	10MHz, 64QAM, PUSC)	Y	4.00	05.00	40.01			
		Z	4.92	65.62	18.01		50.0	
10304-	IEEE 802.16e WIMAX (29:18, 5ms,	1 1	4.87	65.57	17.85	4 47	50.0	
AAA	10MHz, 64QAM, PUSC)	X	4.68	65.35	17.39	4.17	50.0	± 9.6 %
		Y	4.72	65.48	17.50		50.0	
40005		Z	4.68	65.45	17.37		50.0	
10305- AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.39	67.43	19.46	6.02	35.0	± 9.6 %
		Y	4.48	67.81	19.80		35.0	
40000		Z	4.49	68.01	19.61		35.0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.67	66.30	18.98	6.02	35.0	± 9.6 %
		Y	4.73	66.54	19.21		35.0	
		Z	4.72	66.69	19.08		35.0	
10307- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.58	66.51	18.97	6.02	35.0	± 9.6 %
		Y	4.65	66.79	19.23		35.0	
		Z	4.64	66.91	19.08		35.0	
10308- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.56	66.71	19.12	6.02	35.0	± 9.6 %
		Y	4.63	67.02	19.38		35.0	
		Z	4.62	67.14	19.23		35.0	
10309- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.72	66.48	19.11	6.02	35.0	± 9.6 %
		Y	4.79	66.75	19.35		35.0	
		Z	4.77	66.86	19.21		35.0	
10310- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.62	66.39	18.97	6.02	35.0	± 9.6 %
		Y	4.69	66.63	19.20		35.0	
		Z	4.68	66.79	19.08		35.0	
10311- AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.17	69.43	16.56	0.00	150.0	± 9.6 %
		Y	3.28	70.00	16.83		150.0	
		Z	3.13	69.27	16.47		150.0	
10313- AAA	IDEN 1:3	X	3.04	69.90	14.46	6.99	70.0	± 9.6 %
		Y	3.00	69.58	14.26		70.0	
		Z	2.91	69.76	14.60		70.0	
10314- AAA	iDEN 1:6	X	4.05	75.03	19.23	10.00	30.0	±9.6 %
		Y	3.94	74.12	18.73		30.0	
		Z	4.12	75.22	19.44	1	30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.10	63.97	15.35	0.17	150.0	±9.6 %
		Y	1.11	64.32	15.62		150.0	
		Z	1.09	63.83	15.22		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.56	66.66	16.26	0.17	150.0	±9.6 %
		Y	4.58	66.74	16.29	İ	150.0	
		Z	4.53	66.67	16.22		150.0	
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.56	66.66	16.26	0.17	150.0	± 9.6 %
		Ý	4.58	66.74	16.29		150.0	
		Z	4.53	66.67	16.22		150.0	
10400- AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.68	67.08	16.34	0.00	150.0	± 9.6 %
		Y	4.72	67.18	16.39		150.0	
			4.65	67.07	16.30	1	150.0	
		4	4.00					
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	Z X	5.39	67.23	16.48	0.00	150.0	± 9.6 %
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X				0.00		± 9.6 %

10402- AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.64	67.54	16.50	0.00	150.0	± 9.6 %
		Y	5.66	67.64	16.53		150.0	
		Z	5.61	67.52	16.47		150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.59	70.25	14.71	0.00	115.0	± 9.6 %
		Y	1.82	72.15	15.78	· · · · ·	115.0	
		Z	1.50	69.65	14.28		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.59	70.25	14.71	0.00	115.0	± 9.6 %
		Y	1.82	72.15	15,78	··	115.0	1
		Z	1.50	69.65	14.28		115.0	
10406- AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	119.40	29.12	0.00	100.0	± 9.6 %
		Y	100.00	122.00	30.20		100.0	
40440		Z	100.00	117.27	28.11		100.0	
10410- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.12	84.42	19.31	3.23	80.0	± 9.6 %
		Y	6.26	82.81	18.74		80.0	
		Z	11.96	91.59	21.64		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.03	63.32	14.96	0.00	150.0	± 9.6 %
		Y	1.04	63.68	15.26		150.0	
10110		Z	1.03	63.25	14.86		150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	X	4.53	66.77	16.30	0.00	150.0	± 9.6 %
		Y	4.56	66.86	16.35		150.0	
		Z	4.51	66.78	16.27		150.0	
10417- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.53	66.77	16.30	0.00	150.0	± 9.6 %
		Y	4.56	66.86	16.35		150.0	
		Z	4.51	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	4.52	66.95	16.33	0.00	150.0	± 9.6 %
		Y	4.55	67.03	16.37		150.0	
10110		Z	4.50	66.95	16.30		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.54	66.89	16.33	0.00	150.0	± 9.6 %
_		Y	4.57	66.97	16.37		150.0	·
<u> </u>		Z	4.52	66.90	16.30		150.0	
10422- AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.66	66.88	16.34	0.00	150.0	± 9.6 %
		Y	4.68	66.96	16.38		150.0	
		Z	4.63	66.88	16.30		150.0	
10423- AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.82	67.18	16.45	0.00	150.0	± 9.6 %
		Y	4.85	67.27	16.49		150.0	· · · · · · · · · · · · · · · · · · ·
10101		Z	4.78	67.18	16.41		150.0	
10424- AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.74	67.14	16.42	0.00	150.0	± 9.6 %
		Y	4.77	67.23	16.47		150.0	
10105		Z	4.71	67.13	16.39		150.0	
10425- AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.34	67.39	16.57	0.00	150.0	±9.6 %
		Y	5.35	67.47	16.59		150.0	
10400		Z	5.30	67.36	16.53		150.0	
10426- AAA	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.35	67.44	16.59	0.00	150.0	±9.6 %
		Ŷ	5.36	67.49	16.60		150.0	
		Z	5.32	67.42	16.56		150.0	

Y         5.37         67.48         16.59         150.0           10430- AAA         LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)         X         4.43         71.93         18.75         0.00         150.0         ± 9.6 %           AAA         Y         4.43         71.93         18.75         0.00         150.0         ± 9.6 %           AAA         Y         4.42         71.71         18.69         150.0         ± 9.6 %           AAA         Z         4.43         72.11         18.76         150.0         ± 9.6 %           AAA         LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)         X         4.21         67.37         16.31         0.00         150.0         ± 9.6 %           AAA         Y         4.25         67.48         16.39         150.0         ± 9.6 %           AAA         Y         4.25         67.48         16.39         150.0         ± 9.6 %           AAA         Y         4.25         67.48         16.39         150.0         ± 9.6 %           AAA         Y         4.51         67.21         16.38         0.00         150.0         ± 9.6 %           AAA         Y         4.54         67.31         16.43         150.0	10427- AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.36	67.40	16.57	0.00	150.0	±9.6 %
10430- AAA         LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)         X         4.43         71.83         18.75         0.00         150.0         ± 9.6 %           10430- AAA         LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)         X         4.43         77.11         18.76         0.00         150.0         ± 9.6 %           10431- AAA         LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)         X         4.21         07.37         16.31         0.00         150.0         ± 9.6 %           10432- AAA         LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)         X         4.21         07.37         10.26         150.0         ± 9.6 %           10432- AAA         LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)         X         4.54         67.31         16.34         150.0         ± 9.6 %           10433- AAA         LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)         X         4.76         67.17         16.44         0.00         150.0         ± 9.6 %           10434- W-CDMA (BS Test Model 1, 64 DPCH)         X         4.67         71.7         16.41         150.0         ± 9.6 %           10435- LTE-TDD (SC-FDMA, 1 RB, 20 MHz, Z         4.61         73.26         18.81         150.0         ± 9.6 %           10434- Clipping 44%)         Y         4.65         67.46         16.44         0.00			t y l	5.37	67.48	16.59		150.0	
10430- AAA         LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)         X         4.43         71.93         18.75         0.00         150.0         ± 9.6 %           AAA         Y         4.42         71.71         16.69         150.0         150.0           10431- LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)         X         4.21         67.37         16.31         0.00         150.0         ± 9.6 %           AAA         Y         4.25         67.48         16.39         150.0         ± 9.6 %           AAA         Z         4.17         67.37         16.26         150.0         ± 9.6 %           AAA         Z         4.17         67.31         164.3         150.0         ± 9.6 %           AAA         Y         4.54         67.21         16.49         150.0         ± 9.6 %           AAA         Y         4.79         67.77         16.44         0.00         150.0         ± 9.6 %           AAA         Y         4.79         67.77         16.49         150.0         ± 9.6 %           AAA         Y         4.61         73.27         18.81         0.00         150.0         ± 9.6 %           AAA         V         4.61         73.27         18.81 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
Z         4.43         72.11         18.76         150.0         ±9.6 %           AAA         Y         4.21         67.37         16.31         0.00         150.0         ±9.6 %           AAA         Y         4.26         67.48         16.33         0.00         150.0         ±9.6 %           AAA         Z         4.17         67.37         16.28         150.0         ±9.6 %           AAA         Y         4.54         67.21         16.38         0.00         150.0         ±9.6 %           AAA         Y         4.54         67.21         16.34         150.0         ±9.6 %           AAA         Y         4.79         67.27         16.49         150.0         ±9.6 %           AAA         Z         4.72         67.17         16.41         0.00         150.0         ±9.6 %           AAA         Z         4.61         73.23         19.78         150.0         ±9.6 %           AAA         Y         4.59         72.83         19.78         150.0         ±9.6 %           AAA         QPSK, UL Subframe=2.3,4,7.8,9         Y         5.96         82.09         18.46         80.0         ±9.6 %	10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)					0.00		± 9.6 %
Z         4.43         72.11         18.76         150.0         ± 9.6 %           AAA         Y         4.21         67.37         16.31         0.00         150.0         ± 9.6 %           Indata         X         4.25         67.48         16.38         0.00         150.0         ± 9.6 %           Indata         X         4.51         67.37         16.38         0.00         150.0         ± 9.6 %           AAA         LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)         X         4.51         67.31         16.43         150.0         ± 9.6 %           AAA          Z         4.47         67.21         16.34         150.0         ± 9.6 %           AAA         Z         4.72         67.17         16.41         0.00         150.0         ± 9.6 %           AAA         Z         4.72         67.17         16.41         150.0         ± 9.6 %           AAA         Z         4.72         67.37         16.84         0.00         150.0         ± 9.6 %           AAA         Z         4.61         73.27         18.81         0.00         150.0         ± 9.6 %           AAA         QPSK, UL Subframe=2.3.47.8.9         Y         5			Y	4.42	71.71	18.69		150.0	
10431.       LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)       X       4.21       67.37       16.31       0.00       150.0       ± 9.6 %         AAA       Y       4.26       67.48       16.39       150.0       150.0         10432.       LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)       X       4.17       67.21       16.38       0.00       150.0       ± 9.6 %         AAA       Y       4.54       67.21       16.34       150.0       ± 9.6 %         10433.       LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)       X       4.76       67.71       16.44       0.00       150.0       ± 9.6 %         AAA       Y       4.78       67.27       16.49       150.0       ± 9.6 %         AAA       Y       4.78       67.77       16.44       0.00       150.0       ± 9.6 %         AAA       Y       4.78       67.27       16.49       150.0       ± 9.6 %         AAA       Y       4.78       67.27       16.41       150.0       ± 9.6 %         AAA       Y       4.78       72.83       18.78       160.0       ± 9.6 %         AAA       Clipping 4.164       72.83       18.76       160.0       ± 9.6 %         AAB <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
Z         4.17         67.37         16.26         150.0           AAA         Y         4.51         67.21         16.38         0.00         150.0         ±9.6 %           AAA         Y         4.54         67.31         16.34         150.0         ±9.6 %           AAA         Z         4.47         67.21         16.34         150.0         ±9.6 %           AAA         Y         4.76         67.71         16.44         0.00         150.0         ±9.6 %           AAA         Y         4.76         67.77         16.49         0.00         150.0         ±9.6 %           AAA         Y         4.61         73.06         18.81         0.00         150.0         ±9.6 %           AAA         Z         4.61         73.02         18.41         150.0         ±9.6 %           AAB         QPSK, UL Subframe=2.3,4,78.9)         Y         5.96         82.09         18.46         80.0         ±9.6 %           AAA         Clipping 44%         Y         3.57         67.45         15.64         0.00         150.0         ±9.6 %           AAA         Clipping 44%         Y         3.57         67.65         15.82         150.	10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)					0.00		± 9.6 %
10432         LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)         X         4.51         67.21         16.38         0.00         150.0         ± 9.6 %           AAA         Y         4.54         67.31         16.34         150.0           10433- AAA         LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)         X         4.75         67.17         16.44         0.00         150.0         ± 9.6 %           10434- AAA         W-CDMA (BS Test Model 1, 64 DPCH)         X         4.61         73.27         16.49         150.0           10434- AAA         W-CDMA (BS Test Model 1, 64 DPCH)         X         4.61         73.27         18.81         0.00         150.0         ± 9.6 %           AAA         V         4.69         72.83         18.78         150.0         ± 9.6 %           AAA         OPSK, UL Subframe=2,3.4,7.8,9)         Y         6.74         83.64         19.02         3.23         80.0         ± 9.6 %           AAA         Clippin 44%)         Y         3.57         67.45         15.84         0.00         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         3.57         67.45         15.82         150.0         ± 9.6 %           AAA         Clippin 44%)         Y </td <td></td> <td></td> <td></td> <td></td> <td>67.48</td> <td>16.39</td> <td></td> <td>150.0</td> <td></td>					67.48	16.39		150.0	
AAA         Y         4.54         67.31         164.3         160.0           10433- AAA         LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)         X         4.75         67.17         16.44         0.00         150.0         ±9.6 %           AAA         Y         4.79         67.27         16.49         150.0         ±9.6 %           AAA         Y         4.79         67.17         16.41         150.0         ±9.6 %           I0434-         W-CDMA (BS Test Model 1, 64 DPCH)         X         4.61         73.06         18.81         0.00         150.0         ±9.6 %           AAA         Y         4.59         72.83         18.78         150.0         150.0         ±9.6 %           AAA         Y         4.59         72.83         18.78         150.0         150.0         ±9.6 %           AAA         Y         4.59         72.83         18.76         0.00         150.0         ±9.6 %           AAA         QPSK, UL Subframe=2.34,78.9)         Y         5.96         82.09         18.46         80.0         150.0         ±9.6 %           AAA         Clipping 44%)         Y         3.57         67.65         15.82         150.0         150.0         ±9.6					67.37			150.0	
2         4.47         67.21         16.34         150.0           AAA         LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)         X         4.75         67.17         16.44         0.00         150.0         ± 9.8 %           AAA         Y         4.79         67.27         16.49         150.0         ± 9.8 %           10434-         W-CDMA (BS Test Model 1, 64 DPCH)         X         4.61         73.06         18.81         0.00         150.0         ± 9.6 %           AAA         Y         4.59         72.23         18.78         150.0         ± 9.6 %           I0435-         LTE-TDD (SC-FDMA, 1RB, 20 MHz, X         6.74         83.64         19.02         3.23         80.0         ± 9.6 %           AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.96         82.09         18.46         80.0           10447-         LTE-FDD (OFDMA, 5 MHz, E-TM 3.1,         X         3.51         67.42         15.54         0.00         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         3.57         67.16         16.18         0.00         150.0         ± 9.6 %           AAA         LTE-FDD (OFDMA, 10 MHz, E-TM 3.1,         X         4.02         67.16         16.1	10432- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)					0.00		± 9.6 %
10433.       LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)       X       4.75       67.17       16.44       0.00       150.0       ± 9.6 %         AAA       Y       4.79       67.27       16.49       150.0       ± 9.6 %         10434.       W-CDMA (BS Test Model 1, 64 DPCH)       X       4.61       73.06       18.81       0.00       150.0       ± 9.6 %         AAA       Y       4.59       72.83       18.78       150.0       ± 9.6 %         AAA       QPSK, UL Subframe=2.3,4,7,8,9)       Y       5.96       82.09       18.46       60.0       ± 9.6 %         AAB       QPSK, UL Subframe=2.3,4,7,8,9)       Y       5.96       82.09       18.46       60.0       ± 9.6 %         AAA       Clipping 44%)       Y       3.57       67.65       15.62       150.0       ± 9.6 %         AAA       Clipping 44%)       Y       3.67       67.65       16.18       0.00       150.0       ± 9.6 %         AAA       Clipping 44%)       Y       4.05       67.16       16.18       0.00       150.0       ± 9.6 %         AAA       Clipping 44%)       Y       4.02       67.16       16.18       0.00       150.0       ± 9.6 %									
AAA         Y         4.79         67.27         16.49         150.0           10434-         W-CDMA (BS Test Model 1, 64 DPCH)         X         4.61         73.06         18.81         0.00         150.0         ±9.6 %           AAA         Y         4.59         72.83         18.78         150.0         ±9.6 %           I0434-         W-CDMA (BS Test Model 1, 64 DPCH)         X         4.61         73.27         18.81         150.0           10435-         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, AS         6.74         83.64         19.02         3.23         80.0         ±9.6 %           AAB         QPSK, UL Subframe=2,34,7,8,9)         Y         5.96         82.09         18.46         90.0         150.0         ±9.6 %           10447-         LTE-FDD (OFDMA, 5 MHz, E-TM 3.1,         X         3.57         67.65         15.82         150.0         150.0         ±9.6 %           AAA         Clipping 44%)         Y         4.09         67.27         16.26         150.0         ±9.6 %           AAA         Clipping 44%)         Y         4.09         67.27         16.26         150.0         ±9.6 %           AAA         Clipping 44%)         Y         4.02         67.16	10100								
International constraints         Z         4.72         67.17         16.41         150.0           AAA         W-CDMA (BS Test Model 1, 64 DPCH)         X         4.61         73.06         18.81         0.00         150.0         ± 9.6 %           AAA         Y         4.59         72.83         16.78         150.0         ± 9.6 %           10435-         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.96         82.09         18.46         80.0         ± 9.6 %           10447-         LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Z         3.51         67.45         15.64         0.00         150.0         ± 9.6 %           10447-         LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Z         3.61         67.42         15.53         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         3.66         67.42         15.53         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         4.05         67.16         16.18         0.00         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         4.33         67.05         16.28         0.00         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         <	10433- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)					0.00		±9.6 %
10434- AAA         W-CDMA (BS Test Model 1, 64 DPCH)         X         4.61         73.06         18.81         0.00         150.0         ± 9.6 %           AAA         Y         4.59         72.83         18.78         150.0         10435-           10435- AAB         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.96         82.09         18.46         80.0         ± 9.6 %           AAA         Clipping 44%)         Y         3.51         67.45         15.64         0.00         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         3.57         67.65         15.82         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         3.57         67.65         15.82         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         4.05         67.16         16.18         0.00         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         4.05         67.16         16.28         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         4.05         67.16         16.28         150.0         ± 9.6 %           AAA         Clippin 44%)         Y <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
AAA         Y         4.59         72.83         18.78         16.0         16.0         16.0           10435- AAB         LTE-TDD (SC-FDMA, 1 RB, 20 MHz, AAB         X         6.74         83.64         19.02         3.23         80.0         ±9.6 %           10447- AAB         CPSK, UL Subframe=2,3,4,7,8,9)         Y         5.96         82.09         18.46         80.0           10447- Clipping 44%)         X         3.51         67.45         15.64         0.00         150.0         ±9.6 %           AAA         Clipping 44%)         Y         3.57         67.65         15.82         150.0         ±9.6 %           AAA         Clippin 44%)         Y         3.57         67.65         15.82         150.0         ±9.6 %           AAA         Clippin 44%)         Y         4.05         67.16         16.18         0.00         150.0         ±9.6 %           AAA         Clippin 44%)         Y         4.09         67.27         16.28         150.0         ±9.6 %           AAA         Clippin 44%)         Y         4.33         67.05         16.34         150.0         ±9.6 %           AAA         Clipping 44%)         Y         4.52         66.95 <td< td=""><td>40404</td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td></td<>	40404				1				
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		W-CDMA (BS Test Model 1, 64 DPCH)					0.00		±9.6 %
10436- AAB       LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)       Y       5.96       82.09       18.46       80.0       ± 9.6 %         10447- AAA       LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, AAA       Y       3.51       67.45       15.64       0.00       150.0       ± 9.6 %         10447- AAA       Clipping 44%)       Y       3.57       67.65       15.64       0.00       150.0       ± 9.6 %         AAA       Clipping 44%)       Y       3.57       67.65       15.62       150.0       ± 9.6 %         10448-       LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, AAA       X       4.05       67.16       16.18       0.00       150.0       ± 9.6 %         10449-       LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, AAA       Y       4.09       67.27       16.26       150.0       ± 9.6 %         10449-       LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, AAA       Y       4.33       67.05       16.34       150.0       ± 9.6 %         AAA       Clipping 44%)       Y       4.35       67.05       16.35       150.0       ± 9.6 %         AAA       Clipping 44%)       Y       4.35       67.05       16.35       150.0       ± 9.6 %         AAA       Clipping 44%)       Y       4.55 <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		•							
AAB         QPSK, UL Subframe=2,3,4,7,8,9)         Y         5.96         82.09         18.46         80.0           10447-         LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         X         3.51         67.45         15.64         0.00         150.0         ± 9.6 %           10447-         LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         X         3.51         67.45         15.64         0.00         150.0         ± 9.6 %           10448-         LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)         X         4.05         67.16         16.18         0.00         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         4.02         67.16         16.18         0.00         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         4.02         67.16         16.18         0.00         150.0         ± 9.6 %           10449-         LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Z         X         4.33         67.05         16.28         0.00         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         4.55         67.05         16.35         150.0         10450-           LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, AAA         Y         4.55         67.05         16.	40405								
Z         10.99         90.40         21.25         80.0           10447- AAA         LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         X         3.51         67.45         15.64         0.00         150.0         ± 9.6 %           10448- AAA         Clipping 44%)         Y         3.57         67.65         15.82         150.0           10448- AAA         Clippin 44%)         Y         3.57         67.65         15.82         150.0         ± 9.6 %           10448- AAA         Clippin 44%)         Y         4.05         67.16         16.18         0.00         150.0         ± 9.6 %           10449-         LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)         X         4.33         67.05         16.28         0.00         150.0         ± 9.6 %           10449-         LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)         X         4.33         67.05         16.34         150.0         ± 9.6 %           10450-         LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)         X         4.55         67.05         16.35         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         4.55         67.05         16.35         150.0         ± 9.6 %           AAA         Clipping 44%) </td <td>AAB</td> <td>QPSK, UL Subframe=2,3,4,7,8,9)</td> <td></td> <td></td> <td></td> <td></td> <td>3.23</td> <td></td> <td>± 9.6 %</td>	AAB	QPSK, UL Subframe=2,3,4,7,8,9)					3.23		± 9.6 %
10447- AAA         LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)         X         3.51         67.45         15.64         0.00         150.0         ± 9.6 %           10448- AAA         Clipping 44%)         Y         3.57         67.65         15.82         150.0         ± 9.6 %           10448- AAA         Clippin 44%)         Y         4.05         67.16         16.18         0.00         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         4.09         67.27         16.26         150.0         ± 9.6 %           AAA         Clippin 44%)         Z         4.02         67.16         16.13         150.0         ± 9.6 %           10449-         LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)         X         4.36         67.15         16.28         0.00         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         4.36         67.15         16.34         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         4.55         67.05         16.35         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         4.55         67.05         16.30         0.00         150.0         ± 9.6 %									
AAA         Clipping 44%)         Y         3.57         67.65         15.52         150.0           Ind48- AAA         LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)         X         4.05         67.16         16.18         0.00         150.0         ± 9.6 %           Ind48- AAA         LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)         X         4.09         67.27         16.26         150.0         ± 9.6 %           Ind49- AAA         LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, AAA         X         4.33         67.05         16.28         0.00         150.0         ± 9.6 %           Ind49- AAA         LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, AAA         X         4.36         67.15         16.34         150.0         ± 9.6 %           Ind450- AAA         Clipping 44%)         Y         4.36         67.04         16.24         150.0         ± 9.6 %           Ind450- AAA         Clipping 44%)         Y         4.55         66.95         16.30         0.00         150.0         ± 9.6 %           Ind451- AAA         W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)         X         3.39         67.63         15.23         0.00         150.0         ± 9.6 %           AAA         Glipping 44%)         Y         3.47         67.93	10117								
Z         3.46         67.42         15.53         150.0           10448- AAA         LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, AAA         X         4.05         67.16         16.18         0.00         150.0         ± 9.6 %           AAA         Clippin 44%)         Y         4.09         67.27         16.26         150.0         ± 9.6 %           AAA         Cliping 44%)         Z         4.02         67.16         16.13         150.0         ± 9.6 %           AAA         Cliping 44%)         Y         4.33         67.05         16.28         0.00         150.0         ± 9.6 %           AAA         Cliping 44%)         Y         4.36         67.15         16.34         150.0         ± 9.6 %           10450-         LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, AAA         X         4.52         66.95         16.30         0.00         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         4.55         67.05         16.35         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         4.55         67.05         16.35         150.0         ± 9.6 %           AAA         OLipping 44%)         Y         3.47         67.90         15.48							0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
AAA         Clippin 44%)         Y         4.09         67.27         16.26         1600         1600           10449- AAA         LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)         X         4.33         67.05         16.28         0.00         150.0         ± 9.6 %           AAA         Cliping 44%)         Y         4.36         67.05         16.28         0.00         150.0         ± 9.6 %           AAA         Cliping 44%)         Y         4.36         67.04         16.24         150.0           10450- AAA         LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)         X         4.52         66.95         16.30         0.00         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         4.55         67.05         16.35         150.0         10450-           LTE-FDD (OFDMA, ES Test Model 1, 64 DPCH, AAA         X         3.39         67.63         15.23         0.00         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         3.47         67.90         15.48         150.0         10450-           AAA         99c duty cycle)         Y         6.21         67.93         16.72         0.00         150.0         ± 9.6 % <td< td=""><td>10110</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	10110								
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		± 9.6 %
10449- AAA         LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)         X         4.33         67.05         16.28         0.00         150.0         ± 9.6 %           AAA         Cliping 44%)         Y         4.36         67.15         16.34         150.0           10450- AAA         LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)         X         4.52         66.95         16.30         0.00         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         4.55         67.05         16.35         150.0         ± 9.6 %           AAA         Clipping 44%)         Y         4.55         67.05         16.35         150.0         ± 9.6 %           10451- AAA         Clipping 44%)         Y         4.55         67.05         16.32         0.00         150.0         ± 9.6 %           I0451- AAA         W-CDMA (BS Test Model 1, 64 DPCH, Septed uty cycle)         X         3.39         67.63         15.23         0.00         150.0         ± 9.6 %           I0456- AAA         IEEE 802.11ac WiFI (160MHz, 64-QAM, 99pc duty cycle)         X         6.21         67.93         16.72         0.00         150.0         ± 9.6 %           I0457- AAA         Opp duty cycle)         Y         3.80         65.50									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
AAA       Clipping 44%)       N       N       NO									
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $							0.00		±9.6 %
10451- AAA       W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)       X       3.39       67.63       15.23       0.00       150.0       ± 9.6 %         AAA       Y       3.47       67.90       15.48       150.0       150.0       ± 9.6 %         I0456- AAA       Y       3.34       67.55       15.09       150.0       ± 9.6 %         10456- AAA       IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)       X       6.21       67.93       16.72       0.00       150.0       ± 9.6 %         AAA       99pc duty cycle)       Y       6.21       67.93       16.72       150.0       ± 9.6 %         I0457- AAA       UMTS-FDD (DC-HSDPA)       X       3.80       65.42       16.01       0.00       150.0       ± 9.6 %         AAA       Y       3.81       65.50       16.06       150.0       ± 9.6 %         AAA       Y       3.81       65.50       16.06       150.0       ± 9.6 %         AAA       Y       3.81       65.50       16.06       150.0       ± 9.6 %         AAA       Y       3.28       67.17       14.85       150.0       ± 9.6 %         AAA       Y       3.28       67.17       14.35			-					· · · · · · · · · · · · · · · · · · ·	
Y         3.47         67.90         15.48         150.0           10456- AAA         IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)         X         6.21         67.93         16.72         0.00         150.0         ± 9.6 %           AAA         99pc duty cycle)         Y         6.21         67.93         16.72         0.00         150.0         ± 9.6 %           AAA         99pc duty cycle)         Y         6.21         67.99         16.72         150.0         ± 9.6 %           AAA         99pc duty cycle)         Y         6.21         67.99         16.72         150.0         ± 9.6 %           AAA         Z         6.19         67.92         16.69         150.0         ± 9.6 %           10457- AAA         UMTS-FDD (DC-HSDPA)         X         3.80         65.42         16.01         0.00         150.0         ± 9.6 %           AAA         Z         3.79         65.44         15.98         150.0         ± 9.6 %           AAA         Carriers)         Y         3.28         67.17         14.85         150.0         ± 9.6 %           AAA         carriers)         Y         3.28         67.17         14.85         150.0         ± 9.6 % <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td></td> <td>± 9.6 %</td>							0.00		± 9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				3 47	67.90	15.48		150.0	{
10456- AAA       IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)       X       6.21       67.93       16.72       0.00       150.0       ± 9.6 %         AAA       99pc duty cycle)       Y       6.21       67.93       16.72       150.0       ± 9.6 %         Image: Constraint of the system       Z       6.19       67.92       16.69       150.0       ± 9.6 %         10457- AAA       UMTS-FDD (DC-HSDPA)       X       3.80       65.42       16.01       0.00       150.0       ± 9.6 %         AAA       Y       3.81       65.50       16.06       150.0       ± 9.6 %         AAA       Y       3.81       65.50       16.06       150.0       ± 9.6 %         AAA       Z       3.79       65.44       15.98       150.0       ± 9.6 %         10458- CAAA       CDMA2000 (1xEV-DO, Rev. B, 2 carriers)       X       3.19       66.85       14.54       0.00       150.0       ± 9.6 %         AAA       Z       3.13       66.73       14.35       150.0       ± 9.6 %         AAA       Z       3.13       66.73       14.35       150.0       ± 9.6 %         AAA       CDMA2000 (1xEV-DO, Rev. B, 3 carriers)       X       4.26									
Y         6.21         67.99         16.72         150.0           10457- AAA         Z         6.19         67.92         16.69         150.0           10457- AAA         UMTS-FDD (DC-HSDPA)         X         3.80         65.42         16.01         0.00         150.0         ± 9.6 %           10458- AAA         Y         3.81         65.50         16.06         150.0         ± 9.6 %           10458- AAA         CDMA2000 (1xEV-DO, Rev. B, 2 carriers)         X         3.19         66.85         14.54         0.00         150.0         ± 9.6 %           10458- AAA         CDMA2000 (1xEV-DO, Rev. B, 2 carriers)         X         3.19         66.85         14.54         0.00         150.0         ± 9.6 %           AAA         Carriers)         Y         3.28         67.17         14.85         150.0           10459- AAA         CDMA2000 (1xEV-DO, Rev. B, 3         X         4.26         65.09         15.50         0.00         150.0         ± 9.6 %           AAA         Y         4.45         65.72         15.90         150.0         ± 9.6 %							0.00	•	± 9.6 %
Z         6.19         67.92         16.69         150.0           10457- AAA         UMTS-FDD (DC-HSDPA)         X         3.80         65.42         16.01         0.00         150.0         ± 9.6 %           AAA         Y         3.81         65.50         16.06         150.0         ± 9.6 %           Image: Comparison of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of the system of t			Y	6.21	67.99	16.72		150.0	
10457- AAA       UMTS-FDD (DC-HSDPA)       X       3.80       65.42       16.01       0.00       150.0       ± 9.6 %         AAA       Y       3.81       65.50       16.06       150.0       ±       16.01       0.00       150.0       ±       9.6 %         AAA       Y       3.81       65.50       16.06       150.0       ±       9.6 %         10458- AAA       CDMA2000 (1xEV-DO, Rev. B, 2 carriers)       X       3.19       66.85       14.54       0.00       150.0       ±       9.6 %         10458- AAA       CDMA2000 (1xEV-DO, Rev. B, 2 carriers)       Y       3.28       67.17       14.85       150.0       ±       9.6 %         10459- AAA       CDMA2000 (1xEV-DO, Rev. B, 3 carriers)       X       4.26       65.09       15.50       0.00       150.0       ±       9.6 %         AAA       Y       4.45       65.72       15.90       150.0       ±       9.6 %									
Y         3.81         65.50         16.06         150.0           Z         3.79         65.44         15.98         160.0           10458- AAA         CDMA2000 (1xEV-DO, Rev. B, 2 carriers)         X         3.19         66.85         14.54         0.00         150.0         ± 9.6 %           V         3.28         67.17         14.85         150.0         ±         10459- CDMA2000 (1xEV-DO, Rev. B, 3         X         4.26         65.09         15.50         0.00         150.0         ± 9.6 %           10459- AAA         CDMA2000 (1xEV-DO, Rev. B, 3 carriers)         X         4.26         65.09         15.50         0.00         150.0         ± 9.6 %           Y         4.45         65.72         15.90         150.0         ± 9.6 %		UMTS-FDD (DC-HSDPA)	X				0.00		± 9.6 %
10458- AAA       CDMA2000 (1xEV-DO, Rev. B, 2 carriers)       X       3.19       66.85       14.54       0.00       150.0       ± 9.6 %         Y       3.28       67.17       14.85       150.0       ±       150.0       ±       9.6 %         Z       3.13       66.73       14.35       150.0       ±       9.6 %       9.6 %         10459- AAA       CDMA2000 (1xEV-DO, Rev. B, 3 carriers)       X       4.26       65.09       15.50       0.00       150.0       ±       9.6 %         Y       4.45       65.72       15.90       150.0       ±       9.6 %			Y	3.81	65.50	16.06		150.0	
10458- AAA       CDMA2000 (1xEV-DO, Rev. B, 2 carriers)       X       3.19       66.85       14.54       0.00       150.0       ± 9.6 %         Y       3.28       67.17       14.85       150.0       ±       150.0       ±       9.6 %         Z       3.13       66.73       14.35       150.0       ±       9.6 %       9.6 %         10459- AAA       CDMA2000 (1xEV-DO, Rev. B, 3 carriers)       X       4.26       65.09       15.50       0.00       150.0       ±       9.6 %         Y       4.45       65.72       15.90       150.0       ±       9.6 %				3.79	65.44	15.98		150.0	
Z         3.13         66.73         14.35         150.0           10459- AAA         CDMA2000 (1xEV-DO, Rev. B, 3 carriers)         X         4.26         65.09         15.50         0.00         150.0         ± 9.6 %           Y         4.45         65.72         15.90         150.0				3.19			0.00		± 9.6 %
10459- AAA         CDMA2000 (1xEV-DO, Rev. B, 3 carriers)         X         4.26         65.09         15.50         0.00         150.0         ± 9.6 %           Y         4.45         65.72         15.90         150.0         ± 9.6 %									
AAA         carriers)         Y         4.45         65.72         15.90         150.0					66.73				
Y 4.45 65.72 15.90 150.0			X	4.26			0.00	150.0	±9.6 %
				4.45	65.72	15.90		150.0	

10460- AAA	UMTS-FDD (WCDMA, AMR)	X	0.95	69.24	16.88	0.00	150.0	± 9.6 %
		Y	1.02	70.79	17.77		150.0	
10101		Z	0.93	68.79	16.59		150.0	
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.16	76.40	17.59	3.29	80.0	± 9.6 %
		Y	3.00	75.64	17.23		80.0	
10.100		Z	4.60	82.00	19.74		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.95	60.00	7.73	3.23	80.0	± 9.6 %
		Y	0.93	60.00	7.68		80.0	
10463-		Z	0.93	60.16	7.81		80.0	
AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.96	60.00	7.25	3.23	80.0	± 9.6 %
		Y	0.96	60.00	7.20		80.0	
10404		Z	0.93	60.00	7.22		80.0	
10464- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.40	72.59	15.64	3.23	80.0	± 9.6 %
·		Ý	2.28	71.93	15.30		80.0	
10405		Z	3.30	77.16	17.51		80.0	
10465- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.94	60.00	7.67	3.23	80.0	± 9.6 %
		Y	0.93	60.00	7.61		80.0	
40400		Z	0.91	60.00	7.66		80.0	
10466- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.97	60.00	7.21	3.23	80.0	± 9.6 %
		Y	0.96	60.00	7.15		80.0	
10 (00		Z	0.93	60.00	7.18		80.0	
10467- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.51	73.23	15.91	3.23	80.0	± 9.6 %
		Y	2.39	72.52	15.56		80.0	
		Z	3.54	78.13	17.88		80.0	
10468- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.94	60.00	7.68	3.23	80.0	± 9.6 %
		Y	0.93	60.00	7.62		80.0	
		Z	0.91	60.00	7.68		80.0	
10469- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.97	60.00	7.20	3.23	80.0	±9.6 %
		Y	0.96	60.00	7.15		80.0	
		Z	0.93	60.00	7.18		80.0	<u> </u>
10470- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	2,50	73.21	15.89	3.23	80.0	± 9.6 %
		Y	2.37	72.50	15.54		80.0	· · · ·
		Ζ	3.54	78.12	17.87		80.0	
10471- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.94	60.00	7.67	3.23	80.0	± 9.6 %
		Y	0.93	60.00	7.61		80.0	
		Ζ	0.91	60.00	7.66		80.0	
10472- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.96	60.00	7.19	3.23	80.0	± 9.6 %
		Y	0.96	60.00	7.14		80.0	
		Ζ	0.93	60.00	7.16		80.0	
10473- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	2.50	73.17	15.87	3.23	80.0	± 9.6 %
		Y	2.37	72.47	15.52		80.0	
		Z	3.52	78.07	17.84		80.0	
10474- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.94	60.00	7.67	3.23	80.0	±9.6 %
		Y	0.93	60.00	7.61		80.0	
		Ζ	0.91	60.00	7.66		80.0	
10475- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.96	60.00	7.19	3.23	80.0	± 9.6 %
		Y	0.95	60.00	7.14		80.0	
		Z	0.93	60.00	7.16		80.0	

10477- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.94	60.00	7.65	3.23	80.0	± 9.6 %
		Y	0.93	60.00	7.59		80.0	l ·
		z	0.91	60.00	7.64		80.0	
10478- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.96	60.00	7.18	3.23	80.0	± 9.6 %
		Y	0.96	60.00	7.13		80.0	
		Z	0.93	60.00	7.15		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.82	75.02	18.32	3.23	80.0	± 9.6 %
	<i></i>	Y	3.62	74.21	18.05		80.0	
		Z	4.46	77.72	19.42		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.25	69.58	14.47	3.23	80.0	± 9.6 %
		Y	3.17	69.32	14.47		80.0	
		Z	3.70	71.50	15.22		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.76	67.27	13.16	3.23	80.0	± 9.6 %
		Y	2.74	67.18	13.23		80.0	
		Z	3.01	68.58	13.68		80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	2.20	67.37	14.31	2.23	80.0	± 9.6 %
		Y	2.35	68.14	14.78		80.0	
		Z	2.08	66.84	14.02		80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.64	66.33	13.17	2.23	80.0	±9.6 %
		Y	2.72	66.71	13.49		80.0	ſ
		Z	2.71	66.89	13.39		80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.59	65.86	12.96	2.23	80.0	± 9.6 %
		Y	2.68	66.27	13.30		80.0	
		Z	2.63	66.32	13.14		80.0	
10485- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.65	69.52	16.23	2.23	80.0	± 9.6 %
		Y	2.77	70.09	16.54		80.0	
		Z	2.52	69.04	16.02		80.0	
10486- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.73	66.83	14.56	2.23	80.0	± 9.6 %
		Y	2.83	67.27	14.87		80.0	-
		Z	2.62	66.49	14.35		80.0	
10487- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.75	66.57	14.44	2.23	80.0	± 9.6 %
		Y	2.85	67.00	14.75		80.0	
		Z	2.64	66.24	14.22		80.0	
10488- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.11	69.87	17.17	2.23	80.0	± 9.6 %
		Y	3.21	70.31	17.35		80.0	
		Z	2.98	69.45	17.00		80.0	
10489- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.21	67.51	16.20	2.23	80.0	± 9.6 %
		Y	3.27	67.74	16.32		80.0	
		Z	3.12	67.26	16.07		80.0	
10490- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.31	67.44	16.19	2.23	80.0	± 9.6 %
		Y	3.37	67.66	16.31		80.0	
		Ζ	3.22	67.20	16.06	L	80.0	ļ
10491- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.45	69.12	17.04	2.23	80.0	± 9.6 %
		Y	3.54	69.47	17.16		80.0	
		Z	3.34	68.78	16.91		80.0	
10492- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.61	67.20	16.42	2.23	80.0	± 9.6 %
7010								
7010		Y	3.67	67.39	16.51		80.0	

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10493-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	X	3.68	67.13	10.44	0.00		
AAB	64-QAM, UL Subframe=2,3,4,7,8,9)				16.41	2.23	80.0	± 9.6 %
		Y	3.74	67.31	16.49		80.0	
10.10.1		Z	3.60	66.91	16.30		80.0	
10494- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.65	70.25	17.36	2.23	80.0	± 9.6 %
		Y	3.77	70.66	17.50		80.0	
		Z	3.52	69.86	17.23		80.0	<u> </u>
10495- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.63	67.51	16.59	2.23	80.0	± 9.6 %
		Y	3.69	67.72	16.68		80.0	
10100		Z	3.55	67.26	16.48		80.0	
10496- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.72	67.34	16.57	2.23	80.0	± 9.6 %
		Y	3.78	67.53	16.64		80.0	
10/07		Z	3.64	67.11	16.46		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.59	63.52	11.51	2.23	80.0	± 9.6 %
		Y	1.71	64.33	12.09		80.0	
40.400		Z	1.49	63.03	11.17		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.40	60.13	8.74	2.23	80.0	± 9.6 %
		Y	1.50	60.76	9.30		80.0	
		Z	1.35	60.00	8.54		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.40	60.00	8.54	2.23	80.0	± 9.6 %
		Y	1.47	60.38	8.96		80.0	
		Z	1.37	60.00	8.41		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.81	69.52	16.57	2.23	80.0	± 9.6 %
		Y	2.92	70.00	16.81		80.0	
		Z	2.69	69.09	16.38		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.95	67.23	15.25	2.23	80.0	± 9.6 %
		Y	3.03	67.55	15.48		80.0	
		Z	2.85	66.94	15.08		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.01	67.14	15.16	2.23	80.0	± 9.6 %
		Y	3.09	67.47	15.39	·	80.0	
		Z	2.91	66.86	14.98		80.0	
10503- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.07	69.70	17.08	2.23	80.0	± 9.6 %
		Y	3.18	70.14	17.26		80.0	
		Z	2.95	69.28	16.91		80.0	
10504- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.19	67.42	16.14	2.23	80.0	± 9.6 %
		Y	3.25	67.66	16.27		80.0	
40505		Z	3.11	67.17	16.01		80.0	
10505- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.29	67.35	16.13	2.23	80.0	±9.6 %
		Y	3.35	67.57	16.26		80.0	
40500		Z	3.20	67.11	16.00		80.0	
10506- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.63	70.12	17.29	2.23	80.0	± 9.6 %
		Ŷ	3.74	70.54	17.44		80.0	
10507		Z	3.50	69.73	17.16		80.0	
10507- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.62	67.45	16.55	2.23	80.0	± 9.6 %
		Y	3.67	67.66	16.64		80.0	
	· · · · · · · · · · · · · · · ·	Z	3.53	67.20	16.44		80.0	

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10508- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.71	67.28	16.52	2.23	80.0	± 9.6 %
		Y	3.77	67.47	16.60		80.0	
		Ż	3.63	67.04	16.41		80.0	
10509- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.06	69.48	17.08	2.23	80.0	± 9.6 %
		Y	4.15	69.80	17.17		80.0	
		Z	3.94	69.18	16.98		80.0	
10510- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.13	67.43	16.69	2.23	80.0	± 9.6 %
		Y	4.18	67.63	16.75		80.0	
		Z	4.04	67.20	16.59		80.0	
10511- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.20	67.25	16.66	2.23	80.0	± 9.6 %
		Y	4.25	67.43	16.72		80.0	
		Z	4.11	67.04	16.57		80.0	
10512- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.13	70.56	17.37	2.23	80.0	± 9.6 %
		Y	4.25	70.98	17.50		80.0	
		Z	4.00	70.21	17.25		80.0	
10513- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.00	67.59	16.74	2.23	80.0	± 9.6 %
		Y	4.06	67.82	16.82		80.0	
10514- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL	X	<u>3.91</u> 4.05	67.34 67.28	16.64 16.67	2.23	80.0 80.0	± 9.6 %
	Subframe=2,3,4,7,8,9)		1.10	07.40	10 71			
		Y	4.10	67.48	16.74		80.0	
40545	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2	Z	3.96	67.05	16.57	0.00	80.0	1000
10515- AAA	Mbps, 99pc duty cycle)	X Y	0.99	63.52 63.92	15.04	0.00	150.0	± 9.6 %
		Z	0.99	63.44	15.36 14.93		150.0 150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.65	71.87	14.93	0.00	150.0	± 9.6 %
		Y	0.77	75.38	20.23		150.0	
	······································	Z	0.62	70.84	17.85		150.0	
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.85	65.63	15.82	0.00	150.0	± 9.6 %
		Y	0.87	66.42	16.38		150.0	
		Z	0.84	65.40	15.63		150.0	3
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.52	66.86	16.29	0.00	150.0	± 9.6 %
		Y	4.55	66.94	16.33		150.0	
100/2		Z	4.50	66.86	16.25		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.70	67.07	16.39	0.00	150.0	±9.6 %
		Y 7	4.73	67.16	16.44		150.0	
10520-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18	Z X	4.67 4.55	67.07 67.03	16.35 16.32	0.00	150.0 150.0	± 9.6 %
AAA	Mbps, 99pc duty cycle)	Y	4.59	67.14	16.37		150.0	
		Z	4.59	67.14	16.37		150.0	
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.49	67.03	16.31	0.00	150.0	± 9.6 %
		Y	4.52	67.14	16.36		150.0	
		Z	4.46	67.02	16.27		150.0	
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.55	67.14	16.40	0.00	150.0	±9.6 %
		Y	4.58	67.23	16.45		150.0	
	1	Z	4.52	67.13	16.36	1	150.0	1

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10523- AAA	IEEE 802.11a/h WIFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.44	67.02	16.26	0.00	150.0	± 9.6 %
		Y	4.47	67.12	16.31		150.0	
		Z	4.41	67.03	16.23		150.0	
10524- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.49	67.05	16.37	0.00	150.0	± 9.6 %
		Y	4.52	67.14	16.41		150.0	
		Z	4.46	67.05	16.33		150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.49	66.12	15.97	0.00	150.0	± 9.6 %
		Y	4.51	66.21	16.02		150.0	
40000		Z	4.46	66.13	15.94		150.0	
10526- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.65	66.47	16.11	0.00	150.0	± 9.6 %
		Y	4.68	66.57	16.15		150.0	
10527-		Z	4.62	66.46	16.07		150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.57	66.44	16.05	0.00	150.0	± 9.6 %
		Y	4.61	66.54	16.10		150.0	
40500		Z	4.54	66.43	16.01		150.0	
10528- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.59	66.45	16.08	0.00	150.0	± 9.6 %
<u>_</u>		Y	4.62	66.56	16.13	L	150.0	
40500		Z	4.56	66.44	16.04		150.0	
10529- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.59	66.45	16.08	0.00	150.0	±9.6 %
		Y	4.62	66.56	16.13		150.0	
1080 (		Z	4.56	66.44	16.04		150.0	
10531- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.57	66.54	16.09	0.00	150.0	± 9.6 %
		Y	4.61	66.66	16.15		150.0	
		Z	4.54	66.52	16.05		150.0	
10532- AAA	IEEE 802.11ac WIFi (20MHz, MCS7, 99pc duty cycle)	X	4.44	66.40	16.03	0.00	150.0	± 9.6 %
		Y	4.47	66.53	16.09		150.0	
		Z	4.41	66.38	15.98		150.0	
10533- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.60	66.51	16.08	0.00	150.0	± 9.6 %
		Y	4.63	66.61	16.13		150.0	·
		Z	4.57	66.51	16.04	· · · · · · · · · · · · · · · · · · ·	150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.12	66.51	16.12	0.00	150.0	±9.6 %
		Ϋ́	5.14	66.61	16.16		150.0	· · · · · ·
		Z	5.10	66.50	16.09		150.0	
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.19	66.69	16.20	0.00	150.0	± 9.6 %
		Y	5.21	66.78	16.23		150.0	
105		Z	5.16	66.67	16.17		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.06	66.65	16.16	0.00	150.0	±9.6 %
		Y	5.08	66.75	16.20		150.0	
		Z	5.03	66.64	16.13		150.0	
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.12	66.61	16.15	0.00	150.0	± 9.6 %
		Y	5.14	66.71	16.18		150.0	
10		Z	5.09	66.59	16.11		150.0	
10538- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.20	66.61	16.19	0.00	150.0	± 9.6 %
		Y	5.23	66.72	16.22		150.0	
		Z	5.17	66.59	16.15		150.0	
10540- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.13	66.62	16.21	0.00	150.0	± 9.6 %
		Y	5.16	66.73	16.24		150.0	
		Z	5.10	66.59	16.16			

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10541-		<u> </u>			· ····			
10541- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.11	66.51	16.14	0.00	150.0	± 9.6 %
		Y	5.13	66.61	16.18		150.0	
40540		Z	5.08	66.49	16.10		150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.26	66.57	16.19	0.00	150.0	± 9.6 %
		Y	5.29	66.67	16.22		150.0	
		Z	5.23	66.56	16.15		150.0	~
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.33	66.59	16.22	0.00	150.0	± 9.6 %
		Y	5.36	66.69	16.25		150.0	
		Z	5.30	66.57	16.18		150.0	
10544- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.44	66.62	16.11	0.00	150.0	± 9.6 %
		Y	5.45	66.72	16.14		150.0	
		Z	5.42	66.60	16.08		150.0	
10545- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.62	67.02	16.26	0.00	150.0	± 9.6 %
		Y	5.64	67.09	16.28		150.0	
		Z	5.59	66.99	16.23		150.0	
10546- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.50	66.80	16.17	0.00	150.0	±9.6 %
		Y	5.52	66.92	16.21		150.0	
		Z	5.47	66.77	16.13		150.0	
10547- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duly cycle)	X	5.57	66.85	16.18	0.00	150.0	±9.6 %
		Y	5.59	66.95	16.21		150.0	
		Z	5.54	66.82	16.15		150.0	
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.78	67.66	16.56	0.00	150.0	± 9.6 %
		Y	5.79	67.74	16.58		150.0	
		Z	5.73	67.57	16.50		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.53	66.84	16.20	0.00	150.0	±9.6 %
		Y	5.54	66.93	16.22		150.0	
		Z	5.50	66.82	16.17		150.0	
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.53	66.87	16.18	0.00	150.0	± 9.6 %
		Y	5.55	66.98	16.21		150.0	
		Z	5.50	66.83	16.13		150.0	
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.45	66.69	16.10	0.00	150.0	± 9.6 %
		Y	5.47	66.80	16.13		150.0	
		Z	5.43	66.69	16.07	1	150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.53	66.71	16.13	0.00	150.0	±9.6 %
		Y	5.55	66.82	16.17	1	150.0	
		Z	5.50	66.69	16.10		150.0	
10554- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.85	66.97	16.19	0.00	150.0	±9.6 %
		Y	5.86	67.06	16.22		150.0	
		Z	5.83	66.95	16.16		150.0	
10555- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.97	67.25	16.31	0.00	150.0	± 9.6 %
		Y	5.98	67.34	16.33		150.0	
		Z	5.94	67.22	16.27		150.0	
10556- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.99	67.30	16.33	0.00	150.0	± 9.6 %
		Y	6.00	67.39	16.35		150.0	
		Z	5.96	67.27	16.29	]	150.0	
10557- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.95	67.20	16.30	0.00	150.0	± 9.6 %
		Y	5.97	67.30	16.33		150.0	
		Z	5.93	67.17	16.26	1	150.0	t

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10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.00	67.35	16.39	0.00	150.0	± 9.6 %
		Y	6.01	67.46	16.42		150.0	
		Ż	5.97	67.32	16.35		150.0	
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.00	67.21	16.36	0.00	150.0	± 9.6 %
		Y	6.01	67.32	16.39		150.0	
		Z	5.97	67.18	16.32		150.0	
10561- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.92	67.18	16.38	0.00	150.0	± 9.6 %
		Y	5.93	67.28	16.40		150.0	
		Z	5.89	67.15	16.34		150.0	
10562- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duly cycle)	X	6.03	67.51	16.54	0.00	150.0	± 9.6 %
		Y	6.05	67.63	16.58		150.0	
		Z	5.99	67.45	16.49		150.0	
10563- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.16	67.54	16.51	0.00	150.0	± 9.6 %
		Y	6.24	67.80	16.62		150.0	
		Z	6.09	67.38	16.42		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.84	66.87	16.39	0.46	150.0	± 9.6 %
		Y	4.86	66.95	16.43		150.0	· · · ·
		Z	4.81	66.87	16.35		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	5.06	67.32	16.72	0.46	150.0	± 9.6 %
		Y	5.09	67.40	16.76		150.0	
		Z	5.03	67.32	16.69		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	4.90	67.15	16.53	0.46	150.0	± 9.6 %
		Y	4.93	67.25	16.57		150.0	
		Z	4.86	67.14	16.49		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	4.93	67.58	16.91	0.46	150.0	±9.6 %
		Y	4.96	67.66	16.94	· · · · · · · · · · · · · · · · · · ·	150.0	
		Z	4.90	67.58	16.88		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.80	66.88	16.26	0.46	150.0	± 9.6 %
		Y	4.83	66.98	16.31		150.0	
		Z	4.77	66.87	16.22		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	4.89	67.70	16.99	0.46	150.0	± 9.6 %
		Y	4.92	67.76	17.00		150.0	
		Z	4.87	67.71	16.96		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	4.92	67.54	16.91	0.46	150.0	± 9.6 %
		Y	4.95	67.61	16.94		150.0	
		Z	4.89	67.54	16.89		150.0	
10571- AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.16	64.28	15.41	0.46	130.0	± 9.6 %
	··	Y	1.17	64.64	15.67		130.0	
		Z	1.15	64.08	15.27		130.0	
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.18	64.84	15.77	0.46	130.0	± 9.6 %
		Y	1.19	65.22	16.04		130.0	
		Z	1.16	64.62	15.61		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.62	81.69	21.81	0.46	130.0	±9.6 %
		Y	2.21	87.31	23.95		130.0	
		Z	1.35	78.93	20.83		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.28	70.51	18.69	0.46	130.0	± 9.6 %
·····		Y	1.33	71.36	19.17		130.0	

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10575-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.60	66.56	16.34	0.40	420.0	1.0.0.0/
AAA	OFDM, 6 Mbps, 90pc duty cycle)		4.00	00.00	10.34	0.46	130.0	± 9.6 %
		Y	4.63	66.64	16.38		130.0	· · ·
		Z	4.58	66.57	16.31		130.0	
10576- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X	4.63	66.74	16.42	0.46	130.0	± 9.6 %
		Y	4.65	66.81	16.45		130.0	
		Z	4.61	66.75	16.39		130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	4.82	67.02	16.59	0.46	130.0	± 9.6 %
		Y	4.85	67.10	16.62		130.0	
10578-		Z	4.79	67.02	16.55		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.73	67.20	16.71	0.46	130.0	± 9.6 %
		Y	4.75	67.27	16.73		130.0	
10579-		Z	4.70	67.20	16.68		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.48	66.39	15.95	0.46	130.0	± 9.6 %
		Ŷ	4.51	66.51	16.01		130.0	
10580-		Z	4.45	66.37	15.90		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.52	66.43	15.97	0.46	130.0	± 9.6 %
		Y	4.55	66.54	16.03		130.0	
10581-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	4.49	66.42	15.93	A 15	130.0	
AAA	OFDM, 48 Mbps, 90pc duty cycle)	X	4.62	67.23	16.64	0.46	130.0	± 9.6 %
		Y	4.65	67.31	16.67		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	Z X	4.60 4.41	67.23 66.13	16.61 15.72	0.46	130.0 130.0	± 9.6 %
		Y	4.45	66.25	15.79		400.0	
		Z	4.45	66.11	15.79		130.0 130.0	
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.60	66.56	16.34	0.46	130.0	± 9.6 %
		Y	4.63	66.64	16.38		130.0	
		z	4.58	66.57	16.31		130.0	
10584- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	x	4.63	66.74	16.42	0.46	130.0	±9.6%
		Y	4.65	66.81	16.45		130.0	
		Z	4.61	66.75	16.39		130.0	
10585- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.82	67.02	16.59	0.46	130.0	±9.6 %
		Y	4.85	67.10	16.62		130.0	
		Z	4.79	67.02	16.55		130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.73	67.20	16.71	0.46	130.0	±9.6 %
		Y	4.75	67.27	16.73		130.0	
		Z	4.70	67.20	16.68		130.0	
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.48	66.39	15.95	0.46	130.0	±9.6 %
		Y	4.51	66.51	16.01		130.0	
		Z	4.45	66.37	15.90		130.0	
10588- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.52	66.43	15.97	0.46	130.0	± 9.6 %
		Y	4.55	66.54	16.03		130.0	
40506		Z	4.49	66.42	15.93		130.0	
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.62	67.23	16.64	0.46	130.0	±9.6 %
		Y	4.65	67.31	16.67		130.0	
10505		Z	4.60	67.23	16.61		130.0	
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.41	66.13	15.72	0.46	130.0	±9.6 %
		Y	4.45	66.25	15.79		130.0	
		Z	4.38	66.11	15.67		130.0	

### EX3DV4-SN:3914

10592- AAA M 10593- AAA M 10593- AAA M 10594- AAA M 10595- AAA M 10596- AAA M 10596- AAA M 10597- I0597- AAA M 10598- AAA M 10598- AAA M 10599- AAA M	ACS0, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS1, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS2, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS3, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle)	Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X X Y Z X X Y Z X X Y Z X X Y Z X X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X Y Z Z X X X X	4.78 4.73 4.90 4.93 4.87 4.82 4.85 4.79 4.88 4.90 4.85 4.84 4.90 4.85 4.84 4.87 4.81 4.78 4.81 4.75 4.73 4.76 4.69 4.71 4.74 4.69 5.42	66.70           66.65           66.97           67.04           66.97           66.86           66.94           66.85           67.04           66.94           66.85           67.04           67.11           67.04           67.11           67.04           66.98           66.98           66.98           66.97           67.05           66.96           66.96           66.95           66.85           67.12           67.20           67.11	16.48           16.43           16.59           16.61           16.56           16.45           16.49           16.42           16.62           16.59           16.51           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.38           16.42           16.34           16.66           16.70	0.46 0.46 0.46 0.46 0.46 0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
AAA       M         10593-       IE         AAA       M         10594-       IE         AAA       M         10595-       IE         AAA       M         10595-       IE         AAA       M         10595-       IE         AAA       M         10596-       IE         AAA       M         10597-       IE         AAA       M         10598-       IE         AAA       M         10599-       IE         AAA       M         10599-       IE         AAA       M         10509-       IE         AAA       M         10509-       IE         AAA       M         10600-       IE         AAA       M         10600-       IE         AAA       M         10600-       IE         AAA       M         10600-       IE         AAA       M	ACS1, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS2, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS3, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle)	Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X         Y         Z         X <td< td=""><td>4.73         4.90         4.93         4.87         4.82         4.85         4.79         4.85         4.79         4.88         4.90         4.85         4.84         4.85         4.84         4.87         4.84         4.78         4.81         4.75         4.73         4.76         4.69         4.74</td><td>66.65           66.97           67.04           66.97           66.86           66.94           66.85           67.04           67.04           67.04           66.95           66.98           67.06           66.98           67.06           66.98           66.97           67.06           66.98           66.97           67.05           66.96           66.86           66.95           66.85           67.12           67.20</td><td>16.43           16.59           16.61           16.56           16.45           16.42           16.62           16.59           16.62           16.59           16.51           16.54           16.54           16.54           16.54           16.38           16.42           16.34           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.57</td><td>0.46</td><td>130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0</td><td>± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %</td></td<>	4.73         4.90         4.93         4.87         4.82         4.85         4.79         4.85         4.79         4.88         4.90         4.85         4.84         4.85         4.84         4.87         4.84         4.78         4.81         4.75         4.73         4.76         4.69         4.74	66.65           66.97           67.04           66.97           66.86           66.94           66.85           67.04           67.04           67.04           66.95           66.98           67.06           66.98           67.06           66.98           66.97           67.06           66.98           66.97           67.05           66.96           66.86           66.95           66.85           67.12           67.20	16.43           16.59           16.61           16.56           16.45           16.42           16.62           16.59           16.62           16.59           16.51           16.54           16.54           16.54           16.54           16.38           16.42           16.34           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.57	0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
AAA       M         10593-       IE         AAA       M         10594-       IE         AAA       M         10595-       IE         AAA       M         10595-       IE         AAA       M         10595-       IE         AAA       M         10596-       IE         AAA       M         10597-       IE         AAA       M         10598-       IE         AAA       M         10599-       IE         AAA       M         10599-       IE         AAA       M         10509-       IE         AAA       M         10509-       IE         AAA       M         10600-       IE         AAA       M         10600-       IE         AAA       M         10600-       IE         AAA       M         10600-       IE         AAA       M	ACS1, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS2, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS3, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle)	X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z Z X Y Z Z	4.90         4.93         4.87         4.82         4.85         4.79         4.85         4.79         4.88         4.90         4.85         4.84         4.87         4.81         4.75         4.73         4.76         4.69         4.74	66.97           67.04           66.97           66.86           66.94           66.85           67.04           67.04           67.04           67.04           67.04           67.04           67.04           66.98           66.98           66.97           66.98           66.97           66.96           66.96           66.86           66.95           66.85           67.12           67.20	16.59           16.61           16.56           16.45           16.42           16.62           16.65           16.59           16.51           16.54           16.54           16.54           16.38           16.42           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.57	0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
AAA       M         10593-       IE         AAA       M         10594-       IE         AAA       M         10595-       IE         AAA       M         10595-       IE         AAA       M         10595-       IE         AAA       M         10596-       IE         AAA       M         10597-       IE         AAA       M         10598-       IE         AAA       M         10599-       IE         AAA       M         10599-       IE         AAA       M         10509-       IE         AAA       M         10509-       IE         AAA       M         10500-       IE         AAA       M         10600-       IE         AAA       M         10600-       IE         AAA       M         10600-       IE         AAA       M	ACS1, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS2, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS3, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle)	Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z Z X	4.93         4.87         4.82         4.85         4.79         4.88         4.90         4.85         4.84         4.87         4.81         4.75         4.73         4.76         4.69         4.74	67.04 66.97 66.86 66.94 66.85 67.04 67.04 67.11 67.04 66.98 67.06 66.98 66.97 67.05 66.96 66.86 66.85 66.85 67.12 67.20	16.61           16.56           16.45           16.42           16.62           16.65           16.59           16.51           16.54           16.54           16.48           16.51           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.57	0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
AAA         M           10594-         IE           AAA         M           10595-         IE           AAA         M           10595-         IE           AAA         M           10596-         IE           AAA         M           10596-         IE           AAA         M           10597-         IE           AAA         M           10598-         IE           AAA         M           10598-         IE           AAA         M           10509-         IE           AAA         M           10509-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M           I         I           10600-         IE           AAA         M           I         IE           10601-         IE	ACS2, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS3, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS4, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle)	Z       X       Y       Z       X       Y       Z       X       Y       Z       X       Y       Z       X       Y       Z       X       Y       Z       X       Y       Z       X       Y       Z       X       Y       Z       X       Y       Z       X       Y       Z       X       Y       Z	4.87         4.82         4.85         4.79         4.88         4.90         4.85         4.84         4.87         4.81         4.75         4.73         4.76         4.69         4.74	66.97           66.86           66.85           67.04           67.11           67.04           66.98           66.98           67.06           66.98           66.97           67.05           66.96           66.86           66.95           66.85           67.12	16.56           16.45           16.42           16.62           16.65           16.59           16.51           16.54           16.54           16.48           16.51           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.57	0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 % ± 9.6 % ± 9.6 %
AAA         M           10594-         IE           AAA         M           10595-         IE           AAA         M           10595-         IE           AAA         M           10596-         IE           AAA         M           10596-         IE           AAA         M           10597-         IE           AAA         M           10598-         IE           AAA         M           10598-         IE           AAA         M           10509-         IE           AAA         M           10509-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M           I         I           10600-         IE           AAA         M           I         IE           10601-         IE	ACS2, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS3, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS4, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle)	X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z Z X Y Z Z	4.82         4.85         4.79         4.88         4.90         4.88         4.87         4.84         4.87         4.81         4.75         4.73         4.76         4.69         4.74	66.86           66.94           66.85           67.04           67.11           67.04           66.98           66.98           67.06           66.98           66.97           67.05           66.96           66.86           66.95           66.85           67.12	16.45           16.49           16.42           16.62           16.59           16.51           16.54           16.51           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.57	0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 % ± 9.6 % ± 9.6 %
AAA         M           10594-         IE           AAA         M           10595-         IE           AAA         M           10595-         IE           AAA         M           10596-         IE           AAA         M           10596-         IE           AAA         M           10597-         IE           AAA         M           10598-         IE           AAA         M           10598-         IE           AAA         M           10509-         IE           AAA         M           10509-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M           I         I           10600-         IE           AAA         M           I         IE           10601-         IE	ACS2, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS3, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS4, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle)	Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z Z X	4.85         4.79         4.88         4.90         4.85         4.84         4.87         4.81         4.78         4.81         4.75         4.73         4.76         4.69         4.74	66.94           66.85           67.04           67.11           67.04           66.98           67.06           66.98           66.97           67.05           66.86           66.85           67.02	16.49           16.42           16.62           16.59           16.51           16.54           16.51           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.70	0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 % ± 9.6 % ± 9.6 %
AAA         M           10595-         IE           AAA         M           10596-         IE           AAA         M           10597-         IE           AAA         M           10598-         IE           AAA         M           10597-         IE           AAA         M           10598-         IE           AAA         M           10598-         IE           AAA         M           10599-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M	ACS3, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS4, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	Z X Y Z X Y Z X Y Z X Y Z X Y Z Z X Z	4.79         4.88         4.90         4.85         4.84         4.87         4.81         4.78         4.81         4.75         4.73         4.76         4.69         4.74	66.85           67.04           67.11           67.04           66.98           67.06           66.98           66.97           67.05           66.86           66.85           67.12	16.42           16.62           16.59           16.51           16.54           16.51           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.54           16.70	0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 % ± 9.6 %
AAA     M       10595-     IE       AAA     M       10596-     IE       AAA     M       10597-     IE       10597-     IE       AAA     M       10598-     IE       AAA     M       10598-     IE       AAA     M       10598-     IE       AAA     M       10599-     IE       AAA     M       10509-     IE       AAA     M       10600-     IE       AAA     M       10600-     IE       AAA     M	ACS3, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS4, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	X Y Z X Y Z X Y Z X Y Z X Y Z Z X Z	4.88         4.90         4.85         4.84         4.87         4.81         4.78         4.81         4.75         4.73         4.76         4.69         4.74	67.04 67.11 67.04 66.98 67.06 66.98 66.97 67.05 66.96 66.86 66.86 66.85 67.12 67.20	16.62           16.65           16.59           16.51           16.54           16.51           16.54           16.51           16.54           16.54           16.54           16.54           16.54           16.42           16.34           16.66           16.70	0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 % ± 9.6 %
AAA         M           10595-         IE           AAA         M           10596-         IE           AAA         M           10597-         IE           AAA         M           10598-         IE           AAA         M           10597-         IE           AAA         M           10598-         IE           AAA         M           10598-         IE           AAA         M           10599-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M	ACS3, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS4, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	Y Z X Y Z X Y Z X Y Z X Y Z X Y Z	4.90 4.85 4.84 4.87 4.81 4.78 4.81 4.78 4.73 4.73 4.73 4.76 4.69 4.71 4.74 4.69	67.11 67.04 66.98 67.06 66.98 66.97 67.05 66.96 66.86 66.86 66.85 66.85 67.12 67.20	16.65           16.59           16.51           16.54           16.51           16.54           16.51           16.54           16.54           16.54           16.54           16.54           16.42           16.34           16.66           16.70	0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 % ± 9.6 %
AAA         M           10596-         IE           AAA         M           10597-         IE           10598-         IE           10598-         IE           AAA         M           10599-         IE           10599-         IE           AAA         M           10599-         IE           AAA         M           10509-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M	ACS4, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	Z X Y Z X Y Z X Y Z X Y Z Z	4.85           4.84           4.87           4.81           4.78           4.81           4.75           4.73           4.76           4.69           4.74	67.04 66.98 67.06 66.98 66.97 67.05 66.96 66.86 66.85 66.85 67.12 67.20	16.59           16.51           16.54           16.51           16.51           16.54           16.54           16.54           16.48           16.54           16.38           16.42           16.34           16.66           16.70	0.46	130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0           130.0	± 9.6 %
AAA         M           10596-         IE           AAA         M           10597-         IE           AAA         M           10598-         IE           AAA         M           10598-         IE           AAA         M           10598-         IE           AAA         M           10599-         IE           AAA         M           10509-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M	ACS4, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	X Y Z X Y Z X Y Z X Y Z Z	4.84         4.87         4.81         4.78         4.81         4.75         4.73         4.76         4.69         4.74	66.98 67.06 66.98 66.97 67.05 66.96 66.86 66.85 66.85 67.12 67.20	16.51 16.54 16.48 16.51 16.54 16.47 16.38 16.42 16.34 16.66 16.70	0.46	130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0	± 9.6 %
AAA         M           10596-         IE           AAA         M           10597-         IE           10598-         IE           10598-         IE           AAA         M           10599-         IE           10599-         IE           AAA         M           10599-         IE           AAA         M           10509-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M	ACS4, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	Y Z X Y Z X Y Z X Y Z X Y Z	4.87           4.81           4.78           4.81           4.75           4.73           4.76           4.69           4.74	67.06 66.98 66.97 67.05 66.96 66.86 66.85 66.85 67.12 67.20	16.54           16.48           16.51           16.54           16.47           16.38           16.42           16.34           16.66           16.70	0.46	130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0	± 9.6 %
AAA M 10597- IE AAA M 10598- IE AAA M 10599- IE AAA M 10599- IE AAA M 10600- IE AAA M	ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	Z X Y Z X Y Z X Y Z	4.81           4.78           4.81           4.75           4.73           4.76           4.69           4.71           4.69	66.98 66.97 67.05 66.96 66.86 66.95 66.85 67.12 67.20	16.48 16.51 16.54 16.47 16.38 16.42 16.34 16.66 16.70	0.46	130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0	± 9.6 %
AAA         M           10597-         IE           AAA         M           10598-         IE           AAA         M           10599-         IE           AAA         M           10599-         IE           10599-         IE           10599-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M	ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	X Y Z X Y Z X Y Z	4.78 4.81 4.75 4.73 4.73 4.76 4.69 4.71 4.74 4.69	66.97 67.05 66.96 66.86 66.95 66.85 67.12 67.20	16.51 16.54 16.47 16.38 16.42 16.34 16.66 16.70	0.46	130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0	± 9.6 %
AAA         M           10597-         IE           AAA         M           10598-         IE           AAA         M           10599-         IE           AAA         M           10599-         IE           10599-         IE           AAA         M           10509-         IE           AAA         M           10600-         IE           AAA         M           10600-         IE           AAA         M	ACS5, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	Y Z X Y Z X Y Z	4.81 4.75 4.73 4.76 4.69 4.71 4.74 4.69	67.05 66.96 66.86 66.95 66.85 67.12 67.20	16.54 16.47 16.38 16.42 16.34 16.66 16.70	0.46	130.0 130.0 130.0 130.0 130.0 130.0	± 9.6 %
AAA M 10598- IE AAA M 10599- IE AAA M 10599- IE AAA M 10600- IE AAA M	ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	Z X Y Z X Y Z	4.75 4.73 4.76 4.69 4.71 4.74 4.69	66.96 66.86 66.95 66.85 67.12 67.20	16.47 16.38 16.42 16.34 16.66 16.70		130.0 130.0 130.0 130.0 130.0	
AAA M 10598- IE AAA M 10599- IE AAA M 10599- IE AAA M 10600- IE AAA M	ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	X Y Z X Y Z	4.73 4.76 4.69 4.71 4.74 4.69	66.86 66.95 66.85 67.12 67.20	16.38 16.42 16.34 16.66 16.70		130.0 130.0 130.0 130.0 130.0	
AAA M 10598- IE AAA M 10599- IE AAA M 10599- IE AAA M 10600- IE AAA M	ACS6, 90pc duty cycle) EEE 802.11n (HT Mixed, 20MHz, ACS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	Y Z X Y Z	4.73 4.76 4.69 4.71 4.74 4.69	66.86 66.95 66.85 67.12 67.20	16.38 16.42 16.34 16.66 16.70		130.0 130.0 130.0	
AAA M 10599- IE AAA M 10600- IE AAA M 10600- IE AAA M	ICS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	Z X Y Z	4.69 4.71 4.74 4.69	66.85 67.12 67.20	16.34 16.66 16.70	0.46	130.0 130.0	± 9.6 %
AAA M 10599- IE AAA M 10600- IE AAA M 10600- IE AAA M	ICS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	X Y Z	4.71 4.74 4.69	67.12 67.20	16.66 16.70	0.46	130.0 130.0	± 9.6 %
AAA M 10599- IE AAA M 10600- IE AAA M 10600- IE AAA M	ICS7, 90pc duty cycle) EEE 802.11n (HT Mixed, 40MHz,	Y Z	4.74	67.20	16.70	0.46	130.0	± 9.6 %
AAA M 10600- IE AAA M 10601- IE		Z	4.69				130.0	·
AAA M 10600- IE AAA M 10601- IE								
AAA M 10600- IE AAA M 10601- IE		X	E 40		16.63		130.0	
AAA M 10601- IE			5.42	67.13	16.65	0.46	130.0	± 9.6 %
AAA M 10601- IE		Y	5.44	67.22	16.67		130.0	
AAA M 10601- IE		Z	5.39	67.11	16.62		130.0	
10601- IE	EEE 802.11n (HT Mixed, 40MHz, ICS1, 90pc duty cycle)	X	5.54	67.51	16.81	0.46	130.0	± 9.6 %
		Y	5.55	67.54	16.80		130.0	
		Z	5.50	67.46	16.76		130.0	
AAA M	EEE 802.11n (HT Mixed, 40MHz, ICS2, 90pc duty cycle)	X	5.44	67.29	16.72	0.46	130.0	± 9.6 %
		Y	5.45	67.35	16.73		130.0	
		Z	5.40	67.27	16.68		130.0	
	EEE 802.11n (HT Mixed, 40MHz, ICS3, 90pc duty cycle)	X	5.54	67.36	16.67	0.46	130.0	± 9.6 %
		Y	5.55	67.38	16.66		130.0	
		Z	5.52	67.38	16.65		130.0	
	EEE 802.11n (HT Mixed, 40MHz, 4CS4, 90pc duty cycle)	X	5.61	67.63	16.94	0.46	130.0	± 9.6 %
		Y	5.62	67.67	16.94		130.0	
		Z	5.58	67.64	16.92		130.0	
10604- IE AAA M	EEE 802.11n (HT Mixed, 40MHz, ICS5, 90pc duty cycle)	X	5.46	67.22	16.72	0.46	130.0	± 9.6 %
	• • • • · · · · · · · · · · · · ·	Y	5.45	67.21	16.69	· · · ·	130.0	
		Z	5.45	67.27	16.72		130.0	
	EEE 802.11n (HT Mixed, 40MHz, ICS6, 90pc duty cycle)	X	5.53	67.42	16.82	0.46	130.0	± 9.6 %
	and the former of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	Y	5.54	67.45	16.81		130.0	
		Z	5.50	67.41	16.78		130.0	
	EEE 802.11n (HT Mixed, 40MHz,	X	5.27	66.74	16.33	0.46	130.0	± 9.6 %
		Y	F 00	66.85	16.37		130.0	
	ICS7, 90pc duty cycle)	- I Y I	5.30	1 66 85			1 100.0	L !

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10607- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.60	65.96	16.09	0.46	130.0	± 9.6 %
		Y	4.62	66.04	16.12		420.0	<u> </u>
		Z	4.57	65.98	16.06		130.0	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.77	66.35	16.06	0.46	130.0 130.0	± 9.6 %
		Y	4.80	66.43	16.28		130.0	· · · · · · · · · · · · · · · · · · ·
		z	4.74	66.36	16.22		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.66	66.18	16.07	0.46	130.0	± 9.6 %
		Y	4.69	66.28	16.12		130.0	
		Z	4.63	66.18	16.04		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.71	66.35	16.24	0.46	130.0	± 9.6 %
		Y	4.74	66.44	16.28		130.0	
		Z	4.68	66.36	16.21		130.0	
10611- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.63	66.15	16.08	0.46	130.0	±9.6 %
		Y	4.66	66.24	16.12		130.0	
		Z	4.60	66.15	16.05		130.0	
10612- AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.63	66.27	16.11	0.46	130.0	± 9.6 %
		Y	4.66	66.38	16.15		130.0	
		Z	4.59	66.27	16.08		130.0	
10613- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.63	66.15	15.99	0.46	130.0	± 9.6 %
		Y	4.66	66.26	16.04		130.0	
		Z	4.59	66.13	15.95		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.58	66.38	16.25	0.46	130.0	± 9.6 %
		Y	4.61	66.48	16.29		130.0	
		Z	4.56	66.37	16.22		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.62	65.95	15.84	0.46	130.0	± 9.6 %
		Y	4.65	66.05	15.89		130.0	
		Z	4.59	65.95	15.80		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.24	66.41	16.28	0.46	130.0	± 9.6 %
		Y	5.26	66.49	16.30		130.0	
		Z	5.21	66.40	16.25		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.31	66.58	16.34	0.46	130.0	± 9.6 %
		Y	5.32	66.64	16.34		130.0	
		Z	5.28	66.57	16.31		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.20	66.60	16.36	0.46	130.0	± 9.6 %
		Y	5.21	66.67	16.38		130.0	
		Z	5.17	66.60	16.34		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.20	66.38	16.18	0.46	130.0	± 9.6 %
		Y	5.22	66.46	16.20		130.0	
		Z	5.18	66.37	16.15		130.0	
10620- AAA	IEEE 802.11ac WiFI (40MHz, MCS4, 90pc duty cycle)	X	5.29	66.42	16.25	0.46	130.0	± 9.6 %
		Y	5.31	66.50	16.28		130.0	
		Z	5.26	66.40	16.22		130.0	
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.31	66.59	16.47	0.46	130.0	± 9.6 %
		Y	5.32	66.66	16.47		130.0	
		Z	5.28	66.59	16.44		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.31	66.74	16.53	0.46	130.0	± 9.6 %
		Y	5.33	66.80	16.54		130.0	
		Z	5.29	66.75	16.51		130.0	

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10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.19	66.24	16.15	0.46	130.0	± 9.6 %
		Y	5.21	66.33	16.17	<u> </u>	130.0	<u> </u>
		Ż	5.16	66.23	16.11		130.0	
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.38	66.45	16.32	0.46	130.0	± 9.6 %
		Y	5.40	66.52	16.33		130.0	· · · ·
		Z	5.35	66.44	16.29	· · · ·	130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.69	67.26	16.78	0.46	130.0	± 9.6 %
		Y	5.73	67.39	16.82		130.0	
		Z	5.62	67.15	16.69		130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.54	66.47	16.24	0.46	130.0	± 9.6 %
·		Y	5.55	66.55	16.25		130.0	
		Z	5.52	66.47	16.21		130.0	
10627- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.77	67.01	16.47	0.46	130.0	± 9.6 %
		Y	5.77	67.06	16.46		130.0	
		Z	5.74	66.99	16.44		130.0	
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.56	66.51	16.15	0.46	130.0	±9.6 %
		Y	5.58	66.61	16.18		130.0	
		Z	5.53	66.48	16.12		130.0	
10629- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.63	66.57	16.17	0.46	130.0	± 9.6 %
		Y	5.65	66.66	16.19		130.0	
		Z	5.61	66.55	16.14		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.00	67.86	16.82	0.46	130.0	± 9.6 %
		Y	6.01	67.93	16.83		130.0	
		Z	5.94	67.73	16.73		130.0	
10631- AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.95	67.83	17.01	0.46	130.0	± 9.6 %
		Y	5.97	67.92	17.02		130.0	
		Z	5.91	67.77	16.96		130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.75	67.12	16.67	0.46	130.0	± 9.6 %
		Y	5.75	67.15	16.65		130.0	
		Z	5.73	67.12	16.65		130.0	
10633- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.63	66.72	16.29	0.46	130.0	± 9.6 %
		Y	5.65	66.81	16.31		130.0	
		Z	5.61	66.70	16.26		130.0	
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.62	66.75	16.37	0.46	130.0	±9.6 %
		Y	5.64	66.85	16.39		130.0	
1000-		Z	5.59	66.74	16.34		130.0	
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.48	66.01	15.71	0.46	130.0	±9.6 %
		Y	5.51	66.14	15.76		130.0	
1000		Z	5.45	65.98	15.67		130.0	
10636- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.96	66.83	16.32	0.46	130.0	± 9.6 %
		Y	5.96	66.90	16.33		130.0	
10.55-		Z	5.94	66.82	16.30		130.0	
10637- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.11	67.19	16.49	0.46	130.0	± 9.6 %
		Ŷ	6.11	67.25	16.49		130.0	
		Z	6.08	67.17	16.46		130.0	
10638- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.11	67.17	16.45	0.46	130.0	± 9.6 %
		Y	6.11	67.25	16.46		130.0	
		Z	6.08	67.16	16.42		130.0	·

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10639- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.08	67.12	16.47	0.46	130.0	± 9.6 %
		Y	6.09	67.20	16.48		130.0	
		Z	6.06	67.10	16.44		130.0	
10640- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.08	67.10	16.40	0.46	130.0	± 9.6 %
		Y	6.09	67.19	16.42		130.0	
		Z	6.05	67.07	16.36		130.0	
10641- AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.13	67.03	16.39	0.46	130.0	± 9.6 %
		Y	6.13	67.10	16.39		130.0	
		Z	6.11	67.02	16.36		130.0	
10642- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.18	67.31	16.70	0.46	130.0	± 9.6 %
		Y	6.19	67.39	16.71		130.0	
		Z	6.15	67.29	16.67		130.0	
10643- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.01	66.96	16.42	0.46	130.0	± 9.6 %
		Y	6.01	67.04	16.43		130.0	
		Z	5.98	66.94	16.38		130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.14	67.38	16.65	0.46	130.0	± 9.6 %
		Y	6.16	67.50	16.68		130.0	
		Z	6.11	67.32	16.59		130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.34	67.58	16.70	0.46	130.0	±9.6 %
		Y	6.43	67.90	16.84		130.0	
		Z	6.25	67.39	16.59		130.0	
10646- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	12.03	96.53	31.61	9.30	60.0	±9.6 %
		Y	13.68	98.80	32.22		60.0	
		Z	11.35	95.67	31.51		60.0	
10647- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	10.87	95.02	31.23	9.30	60.0	± 9.6 %
		Y	12.42	97.44	31.90		60.0	
		Z	10.19	94.02	31.08		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.71	64.17	11.16	0.00	150.0	± 9.6 %
		Y	0.76	65.11	11.91		150.0	
		Z	0.68	63.86	10.84		150.0	

<sup>E</sup> Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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





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Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

09-28-2016

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service Is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Client PC Test

Certificate No: ES3-3287\_Sep16

### **CALIBRATION CERTIFICATE**

Object
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ES3DV3 - SN:3287

Calibration procedure(s)

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

Calibration date:

September 19, 2016

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	06-Apr-16 (No. 217-02288/02289)	Apr-17
Power sensor NRP-Z91	SN: 103244	06-Apr-16 (No. 217-02288)	Apr-17
Power sensor NRP-Z91	SN: 103245	06-Apr-16 (No. 217-02289)	Apr-17
Reference 20 dB Attenuator	SN: S5277 (20x)	05-Apr-16 (No. 217-02293)	Apr-17
Reference Probe ES3DV2	SN: 3013	31-Dec-15 (No. ES3-3013_Dec15)	Dec-16
DAE4	SN: 660	23-Dec-15 (No. DAE4-660_Dec15)	Dec-16
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-15)	In house check: Oct-16

	Name	Function	Signature
Calibrated by:	Leif Klysner	Laboratory Technician	4 D 11/1
			sey high
Approved by:	Katja Pokovic	Technical Manager	Retty
	3 - J		
			Issued: September 20, 2016
This calibration certificate	e shall not be reproduced except in ful	without written approval of the laboratory	I.

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



S Schweizerischer Kalibrierdienst

C Service sulsse d'étalonnage

Accreditation No.: SCS 0108

- Servizio svizzero di taratura
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#### Glossary: TSL tissue simulating liquid NORMx,y,z sensitivity in free space sensitivity in TSL / NORMx,y,z ConvF DCP diode compression point CF crest factor (1/duty\_cycle) of the RF signal A, B, C, D modulation dependent linearization parameters Polarization @ φ rotation around probe axis Polarization 9 9 rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis

Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system

### Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- Techniques", June 2013
  b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
- 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 9 = 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<sup>2</sup>-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:3287

Manufactured: June 7, 2010 Calibrated: September 19

September 19, 2016

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

### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.87	0.98	1.00	± 10.1 %
DCP (mV) <sup>B</sup>	101.9	101.4	106.1	

### **Modulation Calibration Parameters**

UID	Communication System Name		Α	В	С	D	VR	Unc <sup>E</sup>
			dB	dBõV		dB	mV	(k=2)
0	CW	X	0.0	0.0	1.0	0.00	198.4	±3.5 %
		Y	0.0	0.0	1.0		189.6	
		Z	0.0	0.0	1.0	-	184.8	

Note: For details on UID parameters see Appendix.

### **Sensor Model Parameters**

	C1 fF	C2 fF	α V <sup>-1</sup>	T1 ms.V <sup>-2</sup>	T2 ms.V⁻¹	T3 ms	T4 V <sup>-2</sup>	T5 V⁻¹	Т6
X	65.67	459.4	34.07	29.08	2.68	5.077	2	0.308	1.009
Ϋ́	71.46	511.8	35.31	29.86	3.707	5.1	0.748	0.607	1.009
Z	50.48	357.3	34.55	27.84	2.262	5.1	1.583	0.279	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%.

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

<sup>a</sup> Numerical linearization parameter: uncertainty not required.

<sup>E</sup> Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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)	Ünc (k=2)
750	41.9	0.89	6.96	6.96	6.96	0.44	1.36	± 12.0 %
835	41.5	0.90	6.67	6.67	6.67	0.29	1.69	± 12.0 %
1750	40.1	1.37	5.49	5.49	5.49	0.43	1.42	<u>± 12.0 %</u>
1900	40.0	1.40	5.27	5.27	5.27	0.41	1.45	± 12.0 %
2300	39.5	1.67	4.86	4.86	4.86	0.61	1.28	± 12.0 %
2450	39.2	1.80	4.54	4.54	4.54	0.47	1.51	± 12.0 %
2600	39.0	1.96	4.41	4.41	4.41	0.77	1.18	± 12.0 %

### Calibration Parameter Determined in Head Tissue Simulating Media

<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 ( $\varepsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to

<sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\varepsilon$  and  $\sigma$ ) can be relaxed to  $\pm$  10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\varepsilon$  and  $\sigma$ ) is restricted to  $\pm$  5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target lissue parameters. <sup>6</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

<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  $\pm$  1% for frequencies below 3 GHz and below  $\pm$  2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

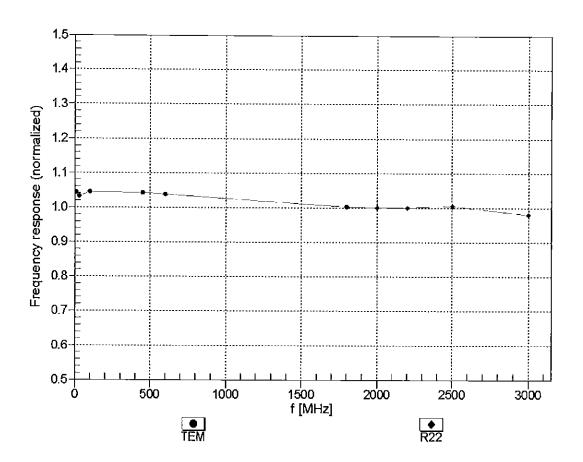
f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>`G</sup> (mm)	Unc (k=2)
750	55.5	0.96	6.64	6.64	6.64	0.27	1.86	_ ± 12.0 %
835	55.2	0.97	6.55	6.55	6.55	0.50	1.37	± 12.0 %
1750	53.4	1.49	5.11	5.11	5.11	0.33	1.85	± 12.0 %
1900	53.3	1.52	4.94	4.94	4.94	0.42	1.59	± 12.0 %
2300	52.9	1.81	4.55	4.55	4.55	0.55	1.42	± 12.0 %
2450	52.7	1.95	4.35	4.35	4.35	0.80	1.09	± 12.0 %
2600	52.5	2.16	4.12	4.12	4.12	0.80	1.10	± 12.0 %

### Calibration Parameter Determined in Body Tissue Simulating Media

<sup>c</sup> Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  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  $\pm$  110 MHz.

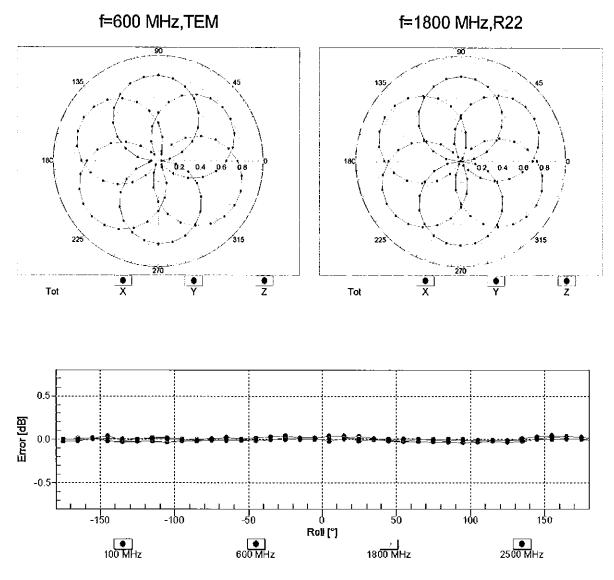
validity can be extended to  $\pm$  110 MHz. <sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to  $\pm$  10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to  $\pm$  5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

The ConvF uncertainty for indicated target tissue parameters. <sup>6</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than  $\pm$  1% for frequencies below 3 GHz and below  $\pm$  2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



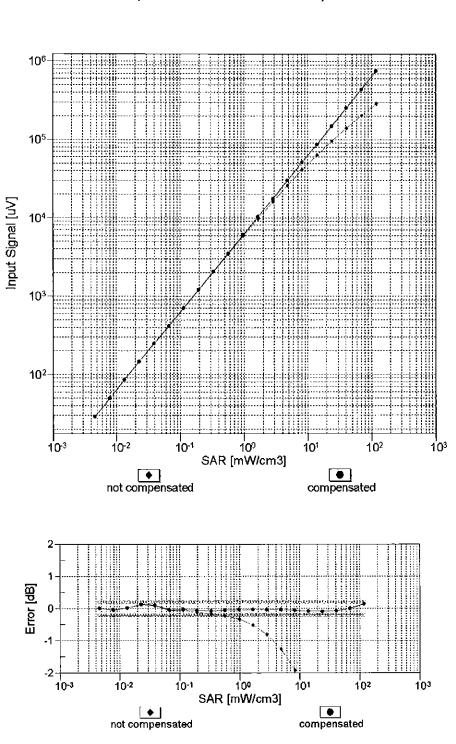
### Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



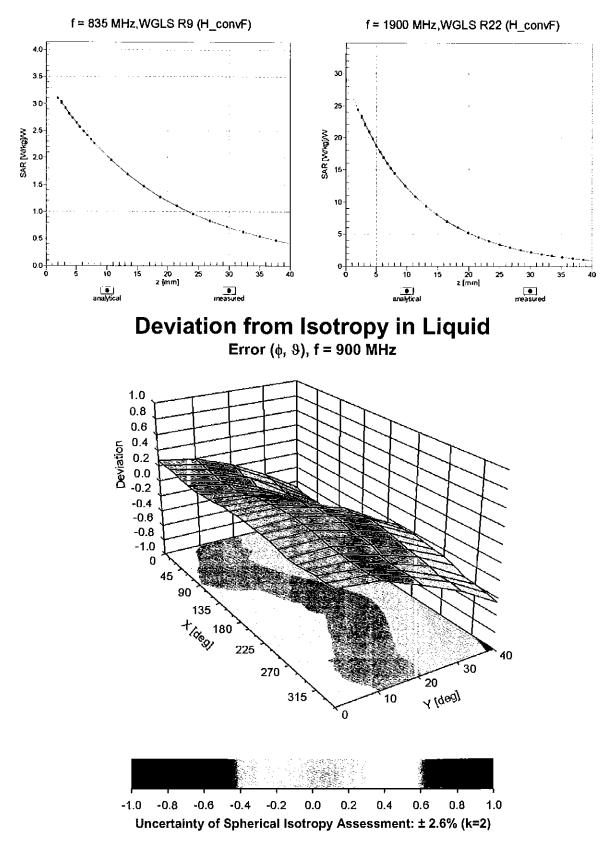
### Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

Uncertainty of Axial Isotropy Assessment: ± 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**

### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	84.9
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 dBõV	С	D dB	VR mV	Max Unc <sup>E</sup> (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	198.4	± 3.5 %
		Y	0.00	0.00	1.00		189.6	
		Ζ	0.00	0.00	1.00		184.8	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	Х	9.57	81.27	19.66	10.00	25.0	± 9.6 %
		Y	9.48	81.17	20.59		25.0	
		Ζ	11.44	84.72	20.81		25.0	
10011- CAB	UMTS-FDD (WCDMA)	×	1.41	73.12	18.60	0.00	150.0	± 9.6 %
		Y	1.09	67.36	15.29		150.0	
10010		Z	1.04	67.24	15.12	- · · · ·	150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.39	66.79	17.15	0.41	150.0	± 9.6 %
		Y	1.33	64.98	15.75		150.0	
10010		Z	1.31	64.97	15.66	4.10	150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	X	5.20	67.40	17.54	1.46	150.0	± 9.6 %
		Y	5.27	67.18	17.41		150.0	
10001		Z	5.09	67.33	17.40	0.00	150.0	+0.00
10021- DAB	GSM-FDD (TDMA, GMSK)	X	25.12	98.64	27.15	9.39	50.0	± 9.6 %
		Y	16.05	91.61	25.96		50.0	
40000		Z	54.58	112.47	31.02	9.57	50.0	1001
10023- DAB	GPRS-FDD (TDMA, GMSK, TN 0)	X	21.90	96.28	26.48	9.57	50.0	± 9.6 %
		Y	15.04	90.31	25.57		50.0 50.0	
10024- DAB	GPRS-FDD (TDMA, GMSK, TN 0-1)	ZX	40.95 100.00	<u>107.64</u> 118.44	29.77 30.60	6.56	60.0	± 9.6 %
DAD		Y	56.85	112.42	30.28		60.0	
		Z	100.00	119.26	30.80		60.0	
10025- DAB	EDGE-FDD (TDMA, 8PSK, TN 0)	X	15.98	100.03	37.68	12.57	50.0	± 9.6 %
		Y	12.36	89.89	33.32		50.0	
	-	Z	14.92	100.13	38.33		50.0	
10026- DAB	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	19.89	102.72	35.15	9.56	60.0	± 9.6 %
		Y	15.11	94.49	32.22		60.0	
		Z	21.16	106.39	36.94		60.0	<u> </u>
10027- DAB	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	×	100.00	117.46	29.21	4.80	80.0	± 9.6 %
		Y	100.00	119.97	30.83		80.0	
40000	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	Z	100.00	118.35	29.47	2 55	80.0	± 9.6 %
10028- DAB	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	117.97	28.63	3.55	100.0	19.0 %
		Y 7	100.00	119.91	29.91	<u> </u>	100.0	
40000		Z X	100.00	118.74	28.84 31.54	7.80	100.0 80.0	± 9.6 %
10029- DAB	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)		14.03	95.19		1.00	<u> </u>	± 9.0 %
		Y Z	<u>11.54</u> 13.09	89.32 95.17	29.33 31.96		80.0	<u> </u>
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	117.04	29.36	5.30	70.0	± 9.6 %
		Y	100.00	119.78	31.12		70.0	
		Ż	100.00	117.69	29.49		70.0	1
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	120.90	28.34	1.88	100.0	± 9.6 %
		Y	100.00	121.14	28.78		100.0	
		Ż	100.00	119.84	27.78	T	100.0	[

10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	128.75	30.50	1.17	100.0	± 9.6 %
		ΤY	100.00	125.19	29.33		100.0	
		Ż	100.00	124.54	28.68		100.0	<u> </u>
10033- _CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	24.47	102.44	28.62	5.30	70.0	± 9.6 %
		Y	12.93	91.34	25.64		70.0	-
		Z	20.22	99.06	27.27		70.0	
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	15.75	99.73	26.60	1.88	100.0	±9.6 %
		Y	6.06	84.29	21.90		100.0	
10005		Z	7.41	86.87	21.79		100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	8.06	91.60	24.06	1.17	100.0	± 9.6 %
		Y	3.71	78.74	19.66		100.0	
40000		Z	4.06	80.00	19.16		100.0	
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	31.59	106.91	29.95	5.30	70.0	± 9.6 %
		Y	14.71	93.73	26.48		70.0	
40007		Z	25.49	103.04	28.49		70.0	
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	15.02	99.00	26.34	1.88	100.0	± 9.6 %
		Y	5.91	83.93	21.74		100.0	
40000		Z	6.95	86.01	21.48		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	8.64	92.97	24.58	1.17	100.0	± 9.6 %
		Y	3.82	79.37	19.97		100.0	
40000		Z	4.16	80.58	19.47		100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	X	3.32	80.83	20.52	0.00	150.0	±9.6 %
		Y	1.99	71.59	16.56		150.0	
		Z	1.78	71.38	15.53		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	X	93.96	116.51	30.17	7.78	50.0	± 9.6 %
		Υ	28.36	100.31	27.04		50.0	
		Z	100.00	<u>118.01</u>	30.46		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	110.81	0.68	0.00	150.0	±9.6 %
		Y	0.00	94.68	0.92		150.0	
		Z	0.01	95.27	0.89		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	12.13	84.40	24.33	13.80	25.0	± 9.6 %
		Y	11.03	81.88	24.36		25.0	
		_Z_	<u>15.47</u>	90.17	26.32		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	14.56	88.92	24.53	10.79	40.0	± 9.6 %
		Y	12.34	85.94	24.48		40.0	
40050		Z	20.46	95.78	26.73		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	13.90	88.80	25.15	9.03	50.0	±9.6%
	<u> </u>	Y	11.60	84.93	24.34		50.0	
10058-		Z	15.96	92.01	26.12		50.0	
DAB	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	10.54	89.79	28.95	6.55	100.0	±9.6 %
		Y	9.17	85.43	27.21		100.0	
10059-		Z	9.28	88.15	28.66		100.0	
CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.62	69.54	18.42	0.61	110.0	±9.6 %
		Y	1.52	67.09	16.78		110.0	
10060		Z	1.47	67.00	16.67		110.0	
10060- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	133.57	34.76	1.30	110.0	±9.6 %
		Y	47.37	119.92	31.34		110.0	
		Z	100.00	131.70	33.88		110.0 1	

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	24.29	111.37	31.49	2.04	110.0	± 9.6 %
		Y	7.57	90.21	25.12	<u> </u>	110.0	İ
		Z	8.96	94.42	26.47		110.0	
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.94	67.26	16.92	0.49	100.0	± 9.6 %
		Y	4.99	66.94	16.70		100.0	
		Z	4.80	67.06	16.67		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.98	67.42	17.05	0.72	100.0	± 9.6 %
		Y	5.03	67.12	16.85		100.0	
		Z	4.84	67.22	<u>1</u> 6.80		100.0	
10064- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.33	67.75	17.30	0.86	100.0	± 9.6 %
		Y	5.40	67.50	17.13		100.0	
		Z	5.14	67.52	17.06		100.0	
10065- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	5.22	67.77	17.45	1.21	100.0	± 9.6 %
		Y	5.30	67.55	17.30		100.0	
		Z	5.05	67.55	17.23		100.0	
10066- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	5.28	67.89	17.67	1.46	100.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Ŷ	5.37	67.69	17.54		100.0	
40007		Z	5.11	67.69	17.47		100.0	
10067- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.58	67.96	18.07	2.04	100.0	± 9.6 %
		Y	5.70	67.83	17.99		100.0	
40000		Z	5.44	67.94	17.97		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.73	68.36	18.44	2.55	100.0	± 9.6 %
		Y	5.86	68.26	18.38		100.0	
10000		Z	5.56	68.20	18.31		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.80	68.22	18.58	2.67	100.0	± 9.6 %
		Y	5.93	68.12	18.53		100.0	
		Z	5.64	68.21	18.51		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.34	67.61	17.91	1.99	100.0	± 9.6 %
		Y	5.43	67.44	17.80		100.0	
		Z	5.23	67.57	17.79		100.0	
10072- <u>C</u> AB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.41	68.20	18.23	2.30	100.0	± 9.6 %
		Y	5.52	68.04	18.13		100.0	
		Z	5.28	68.10	18.11		100.0	
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.54	68.52	18.63	2.83	100.0	±9.6 %
		Υ	5.67	68.41	18.56		100.0	
		Z	5.42	68.46	18.55		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.57	68.60	18.89	3.30	100.0	± 9.6 %
		Y	5.71	68.53	18.84		_100.0	
		Z	5.46	68.55	18.80		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.74	69.13	19.40	3.82	90.0	± 9.6 %
		Υ	5.91	69.12	19.39		90.0	
		Z	5.60	68.97	19.28		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.73	68.87	19.48	4.15	90.0	± 9.6 %
		Y	5.91	68.89	19.48		90.0	
		Z	5.64	68.84	19.44		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.76	68.96	19.58	4.30	90.0	±9.6 %
		Y	5.95	68.98	19.59		90.0	
		Z	5.68	68.95	19.55		90.0	

10081- CAB	CDMA2000 (1xRTT, RC3)	X	1.45	73.74	17.54	0.00	150.0	± 9.6 %
		Y	1.01	66.70	13.93		150.0	1
		Z	0.86	65.95	12.65		150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	X	2.22	64.23	9.03	4.77	80.0	± 9.6 %
		Y	2.60	65.39	10.25		80.0	-
		Z	2.07	64.06	8.86		80.0	
10090- DAB	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	118.52	30.65	6.56	60.0	± 9.6 %
		<u> </u>	54.54	111.83	30.17		60.0	
10097-		Z	100.00	119.33	30.85		60.0	
CAB	UMTS-FDD (HSDPA)	X	2.07	69.87	17.29	0.00	150.0	±9.6 %
		Y	1.87	67.25	15.70	ļ	150.0	Į
10098-	UMTS-FDD (HSUPA, Subtest 2)	Z	1.83	67.53	15.55		150.0	
CAB		X Y	2.03	69.88	17.28	0.00	150.0	± 9.6 %
			1.83	67.20	15.65		150.0	
10099-	EDGE-FDD (TDMA, 8PSK, TN 0-4)	Z	1.80	67.49	15.52	<u> </u>	150.0	
DAB	LUGE-FUD (IDIVIA, OFSK, IN 0-4)	X	19.79	102.55	35.10	9.56	60.0	± 9.6 %
		Y	15.06	94.38	32.19		60.0	
10100-	LTE-FDD (SC-FDMA, 100% RB, 20	Z	21.07	106.24	36.89		60.0	L
CAB	MHz, QPSK)	Y	3.71	73.15	18.05	0.00	150.0	± 9.6 %
			3.34	70.68	16.71		150.0	
10101-	LTE-FDD (SC-FDMA, 100% RB, 20	ZX	3.15	70.31	16.60	0.00	150.0	
CAB	MHz, 16-QAM)		3.53	68.94	16.73	0.00	150.0	± 9.6 %
		<u>Y</u>	3.44	67.88	16.03		150.0	
10102-		Z	3.28	67.66	15.91	_	150.0	
CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.62	68.78	16.77	0.00	150.0	± 9.6 %
		Y	3.55	67.81	_16.12		150.0	
10103-		Z	3.38	67.61	16.00		150.0	_
CAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	9.03	78.84	21.45	3.98	65.0	± 9.6 %
		Y	8.52	77.08	20.81		65.0	
10101		Z	8.79	79.04	21.64		65.0	
10104- CAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.83	77.31	21.70	3.98	65.0	± 9.6 %
		<u> </u>	8.68	76.21	21.28		65.0	
10105-		Z	8.45	<u>77.10</u>	<u>2</u> 1.68		65.0	
CAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	8.12	75.63	21.27	3.98	65.0	± 9.6 %
_	+	Y	7.58	73.53	20.37		65.0	
10108- CAC	LTE-FDD (SC-FDMA, 100% RB, 10	Z X	7.68 3.26	75.16 72.24	2 <u>1.11</u> 17.88	0.00	65.0 150.0	±9.6 %
0/10	MHz, QPSK)	+ + +						·
		Y	2.97	69.86	16.52		150.0	
10109-	LTE-FDD (SC-FDMA, 100% RB, 10	Z X	2.76	69.54	16.43		150.0	
CAC	MHz, 16-QAM)		3.21	68.83	16.74	0.00	150.0	±9.6 %
	<u> </u>	Y	3.12	67.65	15.97		150.0	
10110- CAC	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	Z X	2.93 2.68	<u>67.47</u> 71.31	15.80 17.65	0.00	<u>150.0</u> 150.0	± 9.6 %
		Y T	2.45	68.82	16.19		150.0	
		z	2.45	68.65	16.05		150.0	
10111- CAC	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.94	69.70	17.25	0.00	150.0 150.0	± 9.6 %
		Y	2.81	68.04	16.25		450.0	
		z	2.63	68.09	16.01		150.0	
	·			00.08	10.01		150.0	

Y         3.24         67.56         16.01         150.0           10113         LTE-FDD (5C-FDMA, 100% RB, 5 MHz, GAC         X         3.09         69.65         17.28         0.00         150.0         ± 0.6 %           CAC         64-GAM         Y         2.97         68.11         16.35         150.0         ± 0.6 %           10114         IEEE 802.11n (HT Greenfield, 13.5         X         5.30         67.67         16.69         0.00         150.0         ± 0.8 %           AMps, BPSK)         Y         5.32         67.34         16.45         150.0         ± 0.8 %           CAB         Mbps, BPSK)         Y         5.32         67.34         16.45         150.0         ± 0.8 %           10115         IEEE 802.11n (HT Greenfield, 135 Mbps, X         5.68         67.55         16.83         0.00         150.0         ± 9.6 %           10116         IEEE 802.11n (HT Mixed, 13.5 Mbps, X         5.43         67.35         16.50         150.0         ± 9.6 %           CAB         BPSK)         Y         5.33         67.35         16.48         150.0         ± 9.6 %           CAB         16.20.11n (HT Mixed, 13.5 Mbps, X         5.31         67.62         16.50         150.0	10112- CAC	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.32	68.66	16.72	0.00	150.0	± 9.6 %
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				3.24	67.56	16.01		150.0	
U1013- CAC         LTE-FDD (SC-FDMA, 100% RB, 5 MHz, CAC         X         3.09         69.65         17.28         0.00         150.0         ± 9.6 %, ± 9.6 %,           CAC         64-QAM)         Y         2.97         68.11         16.35         150.0         ± 9.6 %,           10114- CAB         IEEE 502.11n (HT Greenfield, 13.5         X         5.30         67.67         16.69         0.00         150.0         ± 9.6 %,           CAB         Mbps, BPSK)         Y         5.32         67.34         16.45         150.0         ± 9.6 %,           10115-         IEEE 602.11n (HT Greenfield, 81 Mbps, CAB         Z         5.16         67.41         16.44         150.0         ± 9.6 %,           10116-         IEEE 802.11n (HT Greenfield, 135 Mbps, CAB         X         5.43         67.93         16.73         0.00         150.0         ± 9.6 %,           10117-         IEEE 802.11n (HT Mixed, 13.5 Mbps, CAB         X         5.43         67.59         16.63         150.0         ± 9.6 %,           10118-         IEEE 802.11n (HT Mixed, 81 Mbps, 16- CAB         X         5.73         68.05         16.89         0.00         150.0         ± 9.6 %,           10118-         IEEE 802.11n (HT Mixed, 81 Mbps, 16- CAB         X <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
CAC         64-QAM         Y         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1.00         1	10113-						0.00		+06%
Z         2.76         66.22         16.13         150.0         150.0           CAB         Mbps, BPSK)         Y         5.30         67.67         16.69         0.00         150.0         ± 9.6 %           CAB         Mbps, BPSK)         Y         5.32         67.34         16.45         150.0         ± 9.6 %           CAB         16-0AM         Y         5.32         67.34         16.46         150.0         ± 9.6 %           CAB         16-0AM         Y         5.74         67.75         16.66         150.0         ± 9.6 %           CAB         64-0AM         Y         5.45         67.53         16.74         0.00         150.0         ± 9.6 %           CAB         64-0AM         Y         5.45         67.53         16.50         150.0         ± 9.6 %           CAB         62-0AM         Y         5.45         67.63         16.50         150.0         ± 9.6 %           CAB         62-0AM         Y         5.45         67.62         16.73         0.00         150.0         ± 9.6 %           CA         5.73         16.85         16.80         0.00         150.0         ± 9.6 %           CA         5.73 </td <td>CAC</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td></td> <td>±9.0 %</td>	CAC						0.00		±9.0 %
CAB         Mbps, BPSK)         Y         F32         G7.34         F6.45         F6.00           1115-         IEEE 802.11n (HT Greenfield, 81 Mbps, GAB         7         5.32         67.34         16.45         150.0         ±9.6 %           CAB         IEEE 802.11n (HT Greenfield, 81 Mbps, CAB         5.68         67.95         16.83         0.00         150.0         ±9.6 %           CAB         IEEE 802.11n (HT Greenfield, 135 Mbps, CAB         5.49         67.63         16.77         0.00         150.0         ±9.6 %           CAB         G4-QAM)         Y         5.45         67.63         16.50         150.0         ±9.6 %           CAB         G4-QAM)         Y         5.45         67.63         16.50         150.0         ±9.6 %           CAB         G4-QAM)         Y         5.33         67.35         16.48         150.0         ±9.6 %           CAB         G92.11n (HT Mixed, 13.5 Mbps, 64         X         5.73         68.05         16.89         0.00         150.0         ±9.6 %           CAB         GAM)         Y         5.73         68.05         16.88         0.00         150.0         ±9.6 %           CAB         GAM)         Y         5.74									
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	10114- CAB						0.00		± 9.6 %
			Y	5.32	67.34	16.45		150.0	
CAB         16-QAM)         Y         5.74         67.75         16.66         150.0           Z         5.49         67.60         16.57         150.0         ±         9.6 %           CAB         64-QAM)         Y         5.45         67.53         16.74         0.00         150.0         ±.9.6 %           CAB         64-QAM)         Y         5.45         67.58         16.50         150.0         ±.9.6 %           10117-         IEEE 802.11n (HT Mixed, 13.5 Mbps,         X         5.31         67.63         16.50         150.0         ±.9.6 %           CAB         BPSK)         Y         5.33         67.63         16.48         150.0         ±.9.6 %           CAB         BPSK)         Y         5.73         68.05         16.89         0.00         150.0         ±.9.6 %           CAB         QAM)         Y         5.76         67.71         16.65         150.0         ±.9.6 %           CAB         QAM)         Y         5.76         67.71         16.65         150.0         ±.9.6 %           CAB         QAM)         Y         5.42         16.69         150.0         ±.9.6 %           CAB         QAM)				5.18	67.41	16.46		150.0	
Z         5.49         67.60         16.57         150.0           CAB         IEEE 602.11n (HT Greenfield, 135 Mbps, GAB         Y         5.43         67.93         16.74         0.00         150.0         ± 9.6 %           CAB         Y         5.45         67.58         16.50         150.0         ± 9.6 %           10117-         IEEE 602.11n (HT Mixed, 13.5 Mbps, CAB         Y         5.33         67.35         16.48         150.0         ± 9.6 %           CAB         PSK)         Y         5.33         67.35         16.42         150.0         ± 9.6 %           CAB         PSK)         Y         5.33         67.73         16.82         10.00         ± 9.6 %           CAB         QAM)         Y         5.76         67.71         16.65         150.0         ± 9.6 %           10119-         IEEE 802.11n (HT Mixed, 135 Mbps, 64-         X         5.40         67.88         16.73         0.00         150.0         ± 9.6 %           CAB         QAM         Y         5.42         67.56         16.48         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.62         67.56         16.48         150.0         ± 9.6 %	10115- CAB		X	5.68	67.95	16.83	0.00	150.0	± 9.6 %
Z         5.49         67.60         16.57         150.0           CAB         IEEE 802.11n (HT Greenfield, 135 Mbps, CAB         Y         5.43         67.93         16.74         0.00         150.0         ± 9.6 %           CAB         Y         5.45         67.58         16.50         150.0         ± 9.6 %           10117-         IEEE 802.11n (HT Mixed, 13.5 Mbps, CAB         Y         5.33         67.35         16.42         150.0         ± 9.6 %           10118-         IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)         Y         5.73         68.05         16.89         0.00         150.0         ± 9.6 %           10118-         IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)         Y         5.76         67.71         16.65         150.0         ± 9.6 %           10119-         IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)         Y         5.42         67.54         16.49         150.0         ± 9.6 %           CAB         QAM         Y         5.42         67.54         16.49         150.0         ± 9.6 %           CAB         QAM         Y         5.42         67.54         16.48         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.64         67.85 <td></td> <td></td> <td>Y</td> <td>5.74</td> <td>67.75</td> <td>16.66</td> <td></td> <td>150.0</td> <td></td>			Y	5.74	67.75	16.66		150.0	
10116- CAB         IEEE 602.11n (HT Greenfield, 135 Mbps, 64-OAM)         X         5.43         67.93         16.74         0.00         150.0         ± 9.6 %           0117- CAB         IEEE 602.11n (HT Mixed, 13.5 Mbps, BPSK)         Y         5.45         67.58         16.50         150.0         ± 9.6 %           0117- CAB         IEEE 602.11n (HT Mixed, 13.5 Mbps, BPSK)         Y         5.31         67.93         16.42         150.0         ± 9.6 %           0.00         150.0         ± 9.6 %         5.31         67.93         16.42         150.0         ± 9.6 %           CAB         BPSK)         Y         5.33         67.35         16.42         150.0         ± 9.6 %           CAB         QAM)         Y         5.76         67.71         16.65         150.0         ± 9.6 %           CAB         QAM)         Y         5.76         67.71         16.68         150.0         ± 9.6 %           CAB         QAM)         Y         5.42         67.54         16.48         150.0         ± 9.6 %           CAB         QAM)         Y         5.42         67.56         16.48         150.0         ± 9.6 %           CAB         QAM)         Y         5.42         67									-
Y         5.43         67.58         16.50         150.0           10117- CAB         IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)         Y         5.33         67.63         16.73         0.00         150.0         ±9.6 %           CAB         BPSK)         Y         5.33         67.35         16.48         150.0         ±9.6 %           CAB         DAM         Y         5.33         67.35         16.48         150.0         ±9.6 %           CAB         QAM         Y         5.73         68.05         16.89         0.00         150.0         ±9.6 %           CAB         QAM         Y         5.76         67.71         16.65         150.0         ±9.6 %           CAB         QAM         Z         5.54         67.71         16.65         150.0         ±9.6 %           CAB         QAM         Y         5.42         67.54         16.48         150.0         ±9.6 %           CAB         QAM         Y         3.67         68.77         16.68         0.00         150.0         ±9.6 %           CAB         MHz, 16-QAM         Y         3.67         67.62         15.29         150.0         150.0         ±9.6 %	10116- CAB						0.00		±9.6 %
Z         5.29         67.63         16.50         150.0           CAB         BPSK)         Y         5.31         67.69         16.73         0.00         150.0         ± 9.6 %           CAB         BPSK)         Y         5.33         67.35         16.48         150.0         ± 9.6 %           CAB         CAB         Y         5.33         67.35         16.48         150.0         ± 9.6 %           CAB         QAM         Y         5.73         68.05         16.89         0.00         150.0         ± 9.6 %           CAB         QAM         Y         5.76         67.71         16.65         150.0           10119-         IEEE 802.11n (HT Mixed, 135 Mbps, 64-         X         5.40         67.82         16.48         150.0           10119-         IEEE FOD (SC-FDMA, 100% RB, 15         X         3.67         68.77         16.68         0.00         150.0         ± 9.6 %           CAB         MHz, 16-QAM         Y         3.62         67.81         16.79         0.00         150.0         ± 9.6 %           CAB         MHz, 16-QAM         Y         3.60         67.81         16.05         150.0         150.0         150.0         150				5 45	67.58	16.50		150.0	
10117- CAB         IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)         X         5.31         67.69         16.73         0.00         150.0         ± 9.6 %           CAB         PSK)         Y         5.33         67.35         16.48         150.0           CAB         IEEE 802.11n (HT Mixed, 81 Mbps, 16- CAB         X         5.73         68.05         16.89         0.00         150.0         ± 9.6 %           CAB         QAM)         Y         5.54         67.28         16.69         150.0         ± 9.6 %           CAB         QAM         Y         5.76         67.71         16.65         150.0         ± 9.6 %           CAB         QAM         Y         5.54         67.54         16.69         150.0         ± 9.6 %           CAB         QAM         Y         5.42         67.54         16.49         150.0         ± 9.6 %           CAB         QAM         Y         3.67         68.77         16.68         0.00         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAB         MHz, 64-QAM         Y         3.72         67.84         16.19		<u> </u>							
CAB         BPSK)         No.         Construction         Y         5.33         67.35         16.48         150.0           CAB         Z         5.15         67.28         16.42         150.0         ±9.6 %           CAB         CAM         Y         5.76         67.71         16.65         150.0         ±9.6 %           CAB         CAM         Y         5.76         67.71         16.65         150.0         ±9.6 %           CAB         CAM         Y         5.76         67.71         16.69         150.0         ±9.6 %           10119-         IEEE 802.11n (HT Mixed, 135 Mbps, 64-         X         5.40         67.84         16.49         150.0         ±9.6 %           CAB         OAM         Y         5.42         67.54         16.49         150.0         ±9.6 %           CAB         MHz, 16-QAM         100% RB, 15         X         3.67         68.77         16.68         0.00         150.0         ±9.6 %           CAB         MHz, 64-QAM         Y         3.72         67.84         16.19         150.0         ±9.6 %           CAB         MHz, 64-QAM         Y         3.72         67.84         16.19         150.0	10117-	IFFE 802 11p (HT Mixed 13.5 Mbps					0.00		+06%
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	CAB						0.00		± 9.0 %
10118- CAB         IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)         X         5.73         68.05         16.89         0.00         150.0         ± 9.6 %           CAB         QAM         Y         5.76         67.71         16.65         150.0         150.0         ± 9.6 %           CAB         IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)         X         5.40         67.88         16.73         0.00         150.0         ± 9.6 %           CAB         QAM)         Y         5.42         67.54         16.69         150.0         ± 9.6 %           CAB         QAM)         Y         5.42         67.54         16.49         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.60         67.81         16.05         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.60         67.81         16.05         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Y         3.64         67.70         16.08         0.00         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Y         3.24         67.62         15.92         16.00         150.0         ± 9.6 %           CAB         MHz,									
CAB         QAM)         Y         5.76         67.71         16.65         150.0           10119- CAB         IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)         X         5.40         67.88         16.73         0.00         150.0         ± 9.6 %           CAB         QAM)         Y         5.42         67.54         16.49         150.0         ± 9.6 %           CAB         QAM)         Y         5.42         67.54         16.49         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Z         5.26         67.66         16.48         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.60         68.77         16.68         0.00         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.62         67.81         16.05         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAC         QPSK)         Y         2.22         68.66         16.03         150.0									
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	10118- CAB						0.00		±9.6 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $									
CAB         QAM)         Y         5.42         67.54         16.49         150.0           10140- CAB         LTE-FDD (SC-FDMA, 100% RB, 15         X         3.67         68.77         16.68         0.00         150.0         ± 9.6 %           10140- CAB         LTE-FDD (SC-FDMA, 100% RB, 15         X         3.67         68.77         16.68         0.00         150.0         ± 9.6 %           10141- CAB         LTE-FDD (SC-FDMA, 100% RB, 15         X         3.79         68.75         16.79         0.00         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAC         QPSK)         Y         2.22         68.66         16.03         150.0         ± 9.6 %           CAC         QPSK)         Y         2.202         68.61         16.20         150.0         ± 9.6 %           CAC         GPSK         150.0         150.0         ± 9.6 %         150.0         ± 9.6 %           CAC         GPSK         16.20         150.0         ± 9.6 %			Z	5.58	67.82	16.69		150.0	
Y         5.42         67.54         16.49         150.0           10140- CAB         LTE-FDD (SC-FDMA, 100% RB, 15         X         3.67         68.77         16.68         0.00         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.60         67.71         16.68         0.00         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.60         67.81         16.05         150.0           10141- CAB         LTE-FDD (SC-FDMA, 100% RB, 15         X         3.79         68.75         16.79         0.00         150.0         ± 9.6 %           MHz, 64-QAM)         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAC         GPSK)         Y         2.22         68.66         16.03         150.0         ± 9.6 %           CAC         GPSK)         Y         2.222         68.66         16.03         150.0         ± 9.6 %           CAC         GPSK)         Y         2.222         68.66         16.03         150.0         ± 9.6 %           CAC         16-QAM)         Y         2.68         68.61         16.20         150.0         ± 9.6 %           CAC </td <td>10119- CAB</td> <td></td> <td>X</td> <td>5.40</td> <td>67.88</td> <td>16.73</td> <td>0.00</td> <td>150.0</td> <td>±9.6 %</td>	10119- CAB		X	5.40	67.88	16.73	0.00	150.0	±9.6 %
Z         5.26         67.56         16.48         150.0           10140- CAB         LTE-FDD (SC-FDMA, 100% RB, 15         X         3.67         68.77         16.68         0.00         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.60         67.81         16.05         150.0         ± 9.6 %           CAB         MHz, 16-QAM)         Y         3.60         67.81         16.05         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Z         3.42         67.62         15.92         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAC         QPSK)         Z         3.54         67.70         16.08         150.0         ± 9.6 %           CAC         QPSK)         Y         2.22         68.66         16.03         150.0         ± 9.6 %           CAC         16-QAM         100% RB, 3 MHz,         X         2.90         70.86         17.43         0.00         150.0         ± 9.6 %           CAC         16-QAM         Y         2.63         68.61         16.20         150.0         ± 9.6 %     <			Y	5.42	67.54	16.49		150.0	
10140- CAB         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)         X         3.67         68.77         16.68         0.00         150.0         ± 9.6 %           10141- CAB         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         Y         3.60         67.81         16.05         150.0           10141- CAB         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         X         3.79         68.75         16.79         0.00         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAC         GPSK)         Z         3.54         67.70         16.08         150.0         ± 9.6 %           10142- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, CAC         X         2.48         71.58         17.67         0.00         150.0         ± 9.6 %           CAC         GPSK)         Y         2.22         68.66         16.03         150.0         ± 9.6 %           CAC         ITE-FDD (SC-FDMA, 100% RB, 3 MHz, CAC         X         2.90         70.86         17.43         0.00         150.0         ± 9.6 %           CAC         GAM)         Y         2.68         68.61         16.20         150.0         ± 9.6 %									
Y         3.60         67.81         16.05         150.0           ID141- CAB         LTE-FDD (SC-FDMA, 100% RB, 15 CAB         X         3.79         68.75         16.79         0.00         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAB         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAB         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAC         QPSK)         Y         2.202         68.66         16.03         150.0         ± 9.6 %           CAC         IE-FDD (SC-FDMA, 100% RB, 3 MHz, CAC         X         2.90         70.86         17.43         0.00         150.0         ± 9.6 %           CAC         IE-GPD (SC-FDMA, 100% RB, 3 MHz, CAC         X         2.90         70.86         17.43         0.00         150.0         ± 9.6 %           CAC         IE-GPD (SC-FDMA, 100% RB, 3 MHz, CAC         X         2.65         68.53         15.87         0.00         150.0         ± 9.6 %           CAC         64-QAM)         Y         2.65         68.53         15.87 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td><td></td><td>± 9.6 %</td></td<>							0.00		± 9.6 %
Z         3.42         67.62         15.92         150.0           10141- CAB         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         X         3.79         68.75         16.79         0.00         150.0         ± 9.6 %           V         3.72         67.84         16.19         150.0         ± 9.6 %           I0142- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         X         2.48         71.58         17.67         0.00         150.0         ± 9.6 %           I0142- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         X         2.48         71.58         17.67         0.00         150.0         ± 9.6 %           I0143- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, CAC         X         2.90         70.86         17.43         0.00         150.0         ± 9.6 %           I0143- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, CAC         X         2.65         68.61         16.20         150.0         ± 9.6 %           I0144- CAC         G4-QAM         Y         2.68         68.61         16.20         150.0         ± 9.6 %           CAC         G4-QAM         Y         2.53         66.90         14.94         150.0         ± 9.6 %           CAC         MAL, QPSK         Y <td>0,10</td> <td></td> <td></td> <td>3.60</td> <td>67.81</td> <td>16.05</td> <td></td> <td>150.0</td> <td></td>	0,10			3.60	67.81	16.05		150.0	
10141- CAB         LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)         X         3.79         68.75         16.79         0.00         150.0         ± 9.6 %           CAB         MHz, 64-QAM)         Y         3.72         67.84         16.19         150.0         ± 9.6 %           CAC         QPSK)         Z         3.54         67.70         16.08         150.0         ± 9.6 %           10142- QPSK)         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         Y         2.22         68.66         16.03         150.0         ± 9.6 %           10143- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, AC         Y         2.22         68.66         16.03         150.0         ± 9.6 %           10143- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, AC         X         2.90         70.86         17.43         0.00         150.0         ± 9.6 %           10144- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, AC         X         2.65         68.53         15.87         0.00         150.0         ± 9.6 %           CAC         64-QAM)         Y         2.53         66.90         14.94         150.0         ± 9.6 %           CAC         MZ         2.90         71.65         16.48         0.00         150.0         ± 9.6 % </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	10141-						0.00		+96%
Z         3.54         67.70         16.08         150.0           10142- QPSK)         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)         X         2.48         71.58         17.67         0.00         150.0         ± 9.6 %           X         2.22         68.66         16.03         150.0         ± 9.6 %           X         2.02         68.67         15.71         150.0         ± 9.6 %           CAC         16-QAM)         X         2.90         70.86         17.43         0.00         150.0         ± 9.6 %           CAC         16-QAM)         X         2.68         68.61         16.20         150.0         ± 9.6 %           CAC         16-QAM)         Z         2.48         68.71         15.71         150.0         ± 9.6 %           CAC         64-QAM)         Z         2.48         68.71         15.71         150.0         ± 9.6 %           CAC         64-QAM)         Y         2.65         68.53         15.87         0.00         150.0         ± 9.6 %           CAC         MHz, QPSK)         Y         1.64         67.49         14.94         150.0         ± 9.6 %           CAC         MHz, QPSK)         Y         1.64 <td>CAB</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td></td> <td>1 3.0 %</td>	CAB						0.00		1 3.0 %
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			-						
CAC         QPSK)         Y         2.22         68.66         16.03         150.0           10143- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)         X         2.90         70.86         17.43         0.00         150.0         ± 9.6 %           10143- CAC         16-QAM)         Y         2.68         68.61         16.20         150.0         ± 9.6 %           10144- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, CAC         Y         2.68         68.61         16.20         150.0         ± 9.6 %           10144- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, CAC         X         2.65         68.53         15.87         0.00         150.0         ± 9.6 %           10144- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, CAC         X         2.65         68.53         15.87         0.00         150.0         ± 9.6 %           10145- CAC         MHz, QPSK)         Y         2.53         66.90         14.94         150.0         ± 9.6 %           10145- CAC         MHz, QPSK)         Y         1.64         67.49         14.42         150.0         ± 9.6 %           10146- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4         X         6.65         82.42         19.81         0.00         150.0         <	10110								
Z         2.02         68.57         15.71         150.0           10143- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)         X         2.90         70.86         17.43         0.00         150.0         ± 9.6 %           CAC         16-QAM)         Y         2.68         68.61         16.20         150.0         ± 9.6 %           CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)         Y         2.68         68.61         16.20         150.0           10144- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)         X         2.65         68.53         15.87         0.00         150.0         ± 9.6 %           CAC         64-QAM)         Y         2.53         66.90         14.94         150.0         ± 9.6 %           CAC         MHz, QPSK)         Y         1.64         67.49         14.42         150.0           10145- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4         X         2.00         71.65         16.48         0.00         150.0         ± 9.6 %           10146- CAC         MHz, 16-QAM)         Y         1.64         67.49         14.42         150.0         ± 9.6 %           CAC         MHz, 16-QAM)         Y         3.51         73.00         16							0.00		± 9.6 %
10143- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)         X         2.90         70.86         17.43         0.00         150.0         ± 9.6 %           CAC         16-QAM)         Y         2.68         68.61         16.20         150.0         100.0           CAC         Z         2.48         68.71         15.71         150.0         100.0           10144- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)         X         2.65         68.53         15.87         0.00         150.0         ± 9.6 %           CAC         64-QAM)         Y         2.53         66.90         14.94         150.0         10.0         ± 9.6 %           CAC         MHz, QAM)         Y         2.53         66.75         14.27         150.0         10.0         ± 9.6 %           10145- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4         X         2.00         71.65         16.48         0.00         150.0         ± 9.6 %           10145- CAC         MHz, QPSK)         Y         1.64         67.49         14.42         150.0         16.00         16.00         150.0         ± 9.6 %           10146- CAC         MHz, 16-QAM)         Y         3.51         73.00         16.51         150.								1	
CAC       16-QAM)       Y       2.68       68.61       16.20       150.0         10144- CAC       LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)       X       2.65       68.53       15.87       0.00       150.0       ± 9.6 %         CAC       64-QAM)       Y       2.53       66.90       14.94       150.0       ± 9.6 %         CAC       64-QAM)       Z       2.29       66.75       14.27       150.0       ± 9.6 %         CAC       MHz, QPSK)       Y       1.64       67.49       14.42       150.0       ± 9.6 %         CAC       MHz, QPSK)       Y       1.64       67.49       14.42       150.0       ± 9.6 %         CAC       MHz, QPSK)       Y       1.64       67.49       14.42       150.0       ± 9.6 %         CAC       MHz, APSK)       Y       1.64       67.49       14.42       150.0       ± 9.6 %         CAC       MHz, 16-QAM)       Y       3.51       73.00       16.51       150.0       ± 9.6 %         CAC       MHz, 16-QAM)       Y       3.51       73.00       16.51       150.0       ± 9.6 %         CAC       MHz, 64-QAM)       Y       4.34       76.22       18.03									
Z         2.48         68.71         15.71         150.0           10144- CAC         LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)         X         2.65         68.53         15.87         0.00         150.0         ± 9.6 %           CAC         64-QAM)         Y         2.53         66.90         14.94         150.0         ±         9.6 %           CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4         X         2.00         71.65         16.48         0.00         150.0         ±         9.6 %           CAC         MHz, QPSK)         Y         1.64         67.49         14.42         150.0         ±         9.6 %           CAC         MHz, QPSK)         Y         1.64         67.49         14.42         150.0         ±         9.6 %           CAC         MHz, QPSK)         Y         1.64         67.49         14.42         150.0         ±         9.6 %           CAC         MHz, 16-QAM)         Y         3.51         73.00         16.51         150.0         ±         9.6 %           CAC         MHz, 16-QAM)         Y         3.51         73.00         16.51         150.0         ±         9.6 %           CAC         MHz, 64-QAM)         <			X	2.90	70.86	17.43	0.00	150.0	± 9.6 %
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				2.68	68.61				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							1	150.0	
Y         2.53         66.90         14.94         150.0           Z         2.29         66.75         14.27         150.0           10145- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)         X         2.00         71.65         16.48         0.00         150.0         ± 9.6 %           2         2.29         65.53         12.17         150.0         ± 9.6 %           2         2         1.28         65.53         12.17         150.0           10146- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)         X         6.65         82.42         19.81         0.00         150.0         ± 9.6 %           2         2.73         70.16         13.72         150.0         ± 9.6 %           2         2.73         70.16         13.72         150.0         ± 9.6 %           10147- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)         X         11.62         90.60         22.70         0.00         150.0         ± 9.6 %			X	2.65	68.53	15.87	0.00	150.0	± 9.6 %
Z         2.29         66.75         14.27         150.0           10145- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)         X         2.00         71.65         16.48         0.00         150.0         ± 9.6 %           V         1.64         67.49         14.42         150.0         ±         150.0         ±         9.6 %           Intersection         Y         1.64         67.49         14.42         150.0         ±         9.6 %           Intersection         Y         1.64         67.49         14.42         150.0         ±         9.6 %           Intersection         Y         1.64         67.49         14.42         150.0         ±         9.6 %           Intersection         Z         1.28         65.53         12.17         150.0         ±         9.6 %           Intersection         Y         3.51         73.00         16.51         150.0         ±         9.6 %           Intersection         Y         3.51         73.00         16.51         150.0         ±         9.6 %           Intersection         Y         3.51         70.16         13.72         150.0         ±         9.6 %         ±         9.6 %			Y	2.53	66.90	14.94		150.0	
10145- CAC       LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)       X       2.00       71.65       16.48       0.00       150.0       ± 9.6 %         V       1.64       67.49       14.42       150.0       16.48       0.00       150.0       ± 9.6 %         U       Y       1.64       67.49       14.42       150.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       150.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td>									1
Y         1.64         67.49         14.42         150.0           Z         1.28         65.53         12.17         150.0           10146- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)         X         6.65         82.42         19.81         0.00         150.0         ± 9.6 %           V         3.51         73.00         16.51         150.0         ±         160.0         ±         ±         9.6 %           LTE-FDD (SC-FDMA, 100% RB, 1.4         X         1.62         90.60         22.70         0.00         150.0         ±         9.6 %           CAC         MHz, 64-QAM)         Y         4.34         76.22         18.03         150.0         ±         9.6 %			-				0.00		± 9.6 %
10146- CAC       LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)       X       6.65       82.42       19.81       0.00       150.0       ± 9.6 %         V       3.51       73.00       16.51       150.0       ±       160.0       ±       160.0       ±       9.6 %         U       Z       2.73       70.16       13.72       150.0       150.0       ±       9.6 %         10147- CAC       LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)       X       11.62       90.60       22.70       0.00       150.0       ±       9.6 %	~ <del>~</del>								
CAC         MHz, 16-QAM)         Y         3.51         73.00         16.51         150.0           Image: CAC         Y         3.51         73.00         16.51         150.0         Image: CAC         <									<u> </u>
Y         3.51         73.00         16.51         150.0           Z         2.73         70.16         13.72         150.0           10147- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)         X         11.62         90.60         22.70         0.00         150.0         ± 9.6 %				6.65			0.00		± 9.6 %
Z         2.73         70.16         13.72         150.0           10147- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)         X         11.62         90.60         22.70         0.00         150.0         ± 9.6 %           Y         4.34         76.22         18.03         150.0				3.51	73.00	16.51		150.0	
10147- CAC         LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)         X         11.62         90.60         22.70         0.00         150.0         ± 9.6 %           Y         4.34         76.22         18.03         150.0								150.0	
Y 4.34 76.22 18.03 150.0							0.00		± 9.6 %
				1 24	76.00	19.02	1	150.0	
			Z	4.34	73.44	15.25		150.0	

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10149- CAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	x	3.22	68.90	16.79	0.00	150.0	± 9.6 %
		ΤY	3.13	67.70	16.01	1	150.0	
		Ż	2.94	67.52	15.84		150.0	
10150- CAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.33	68.71	16.76	0.00	150.0	± 9.6 %
		Y	3.25	67.61	16.05		150.0	
		Z	3.06	67.50	15.89		150.0	<b>-</b>
10151- CAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.59	81.08	22.43	3.98	65.0	± 9.6 %
		Υ	8.87	78.87	21.64		65.0	
		Z	9.33	81.38	22.62		65.0	
10152- CAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	8.50	77.58	21.63	3.98	65.0	± 9.6 %
		Y	8.30	76.31	21.16		65.0	
		Z	8.08	77.33	21.50		65.0	
10153- CAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	8.85	78.28	22.25	3.98	65.0	± 9.6 %
		<u> </u>	8.62	76.95	21.75		65.0	
40451		Z	8.48	78.15	22.17		65.0	
10154- CAC	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.77	71.95	18.01	0.00	150.0	± 9.6 %
		<u>Y</u>	2.51	69.32	16.50		150.0	
40455		<u>Z</u>	2.29	69.01	16.28		150.0	
10155- CAC	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.94	69.69	17.25	0.00	150.0	± 9.6 %
		Y	2.80	68.03	16.25		150.0	
40450		Z	2.63	68.10	16.02		150.0	
10156- CAC	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.40	72.31	17.91	0.00	150.0	±9.6 %
		Y	2.09	68.89	16.05		150.0	
4.6.4.5.5		Z	1.86	68.62	15.51		150.0	
10157- CAC	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.55	69.65	16.30	0.00	150.0	± 9.6 %
		Y	2.36	67.46	15.11		150.0	
		Z	2.12	67.25	14.30		150.0	
10158- CAC	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	3.10	69.70	17.32	0.00	150.0	±9.6 %
		Y	2.97	68.15	16.39		150.0	
		Z	2.78	68.27	16.17		150.0	
10159- CAC	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.69	70.18	16.62	0.00	150.0	±9.6 %
		Y	2.48	67.89	15.40		150.0	
		Z	2.22	67.66	14.56		150.0	
10160- CAB	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	3.10	70.43	17.35	0.00	150.0	± 9.6 %
		Y	2.94	68.69	16.29		150.0	
		Z	2.78	68.69	16.25		150.0	<u> </u>
10161- CAB	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.22	68.62	16.74	0.00	150.0	± 9.6 %
		Y	3.14	67.48	16.00		150.0	
		Z	2.96	67.42	15.82		150.0	
10162- CAB	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	х	3.32	68.61	16.76	0.00	150.0	±9.6 %
		Y	3.24	67.49	16.04		150.0	
40400		Z	3.07	67.56	15.92		150.0	
10166- CAC	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.32	72.20	20.50	3.01	150.0	± 9.6 %
		Y	4.09	70.13	19.37		150.0	
1010-		Z	3.89	71.03	19.86		150.0	
10167- CAC	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	6.13	77.20	21.71	3.01	150.0	± 9.6 %
		Y	5.31	73.40	20.02		150.0	

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10168- CAC	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	6.94	79.87	23.11	3.01	150.0	± 9.6 %
		Y	5.79	75.28	21.14		150.0	
		Z	5.82	77.80	22.20		150.0	
10169- CAB	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	4.47	76.31	22.20	3.01	150.0	± 9.6 %
		Y	3.93	72.42	20.26		150.0	
	l	Z	3.45	71.87	20.27		150.0	
10170- CAB	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	9.97	90.37	26.89	3.01	150.0	± 9.6 %
		Y	6.08	79.64	22.84		150.0	
		Z	5.69	81.07	23.66		150.0	
10171- AAB	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	6.58	81.51	22.72	3.01	150.0	± 9.6 %
		Y	4.82	74.69	19.94		150.0	
		Z	4.39	75.54	20.48		150.0	L
10172- CAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	73.64	126.23	37.77	6.02	65.0	±9.6 %
		Ý	18.65	98.22	29.94		65.0	
		Z	50.70	122.38	37.42		65.0	
10173- CAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	94.74	123.96	35.21	6.02	65.0	± 9.6 %
		Υ	22.61	98.04	28.47		65.0	
		Z	96.90	127.66	36.64		65.0	
10174- CAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	Х	56.11	113.11	31.91	6.02	65.0	± 9.6 %
		Y	18.59	93.53	26.66		65.0	
		Z	65.46	118.77	33.84		65.0	
10175- CAC	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	4.37	75.74	21.85	3.01	150.0	± 9.6 %
		Y	3.86	71.99	19. <u>97</u>		150.0	
		Z	3. <u>41</u>	71.52	20.02		150.0	
10176- CAC	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	9.99	90.41	26.90	3.01	150.0	± 9.6 %
		Y	6.09	79.66	22.85		150.0	
		Z	5.70	81.10	23.67		150.0	<u> </u>
10177- CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	4.43	76.02	22.00	3.01	150.0	± 9.6 %
		Y	3.90	72.21	20.10		150.0	
		Z	3.44	71.69	20.11		150.0	
10178- CAC	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	9.65	89.71	26.63	3.01	150.0	± 9.6 %
-		Y	5.97	79.26	22.66		150.0	
		Z	5.62	80.80	23.53		150.0	
10179- CAC	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	7.97	85.43	24.54	3.01	150.0	± 9.6 %
		Y	5.36	76.88	21.19	L	150.0	↓
		Z	4.98	78.13	21.92	l	150.0	<u> </u>
10180- CAC	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	6.51	81.29	22.61	3.01	150.0	± 9.6 %
		Y	4.79	74.55	19.86	ļ	150.0	
		Z	4.38	75.44	20.42	L	150.0	
10181- CAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	4.42	75.99	21.99	3.01	150.0	± 9.6 %
		Ý	3.90	72.19	20.09	ļ	150.0	
		Z	3.43	71.67	20.11	<u> </u>	150.0	-
10182- CAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	9.63	89.67	26.62	3.01	150.0	± 9.6 %
		Y	5.96	79.23	22.65		150.0	<u> </u>
		Z	5.61	80.77	23.51	<u> </u>	150.0	
10183- AAA	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	6.50	81.25	22.60	3.01	150.0	± 9.6 %
·		Y	4.78	74.53	19.85		150.0	
		Z	4.37	75.41	20.41		150.0	

10184- CAC	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	4.44	76.05	22.02	3.01	150.0	± 9.6 %
		ΤY-	3.91	72.24	20.12		150.0	
		Z	3.45	71.72	20.13		150.0	
10185- CAC	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	9.70	89.80	26.67	3.01	150.0	± 9.6 %
		Y	5.99	79.32	22.68		150.0	
		Z	5.64	80.86	23.56		150.0	
10186- AAC	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	6.54	81.37	22.64	3.01	150.0	± 9.6 %
		Y	4.81	74.60	19.88		150.0	
		Z	4.39	75.50	20.45		150.0	
10187- CAC	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	4.45	76.10	22.07	3.01	150.0	± 9.6 %
		Y	3.92	72.26	20.15		150.0	
		Z	3.46	71.78	20.19		150.0	
10188- CAC	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	10.51	91.45	27.34	3.01	150.0	± 9.6 %
		Y	6.26	80.23	23.14		150.0	
		Z	5.89	81.76	24.00		150.0	-
10189- AAC	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	6.85	82.27	23.07	3.01	150.0	± 9.6 %
	<u> </u>	Y	4.94	75.14	20.19		150.0	
10100		Z	4.52	76.06	20.77		150.0	
10193- CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.73	67.10	16.51	0.00	150.0	± 9.6 %
		Υ	4.75	66.68	16.23		150.0	
		Z	4.57	66.79	16.16		150.0	
10194- CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.94	67.48	16.62	0.00	150.0	± 9.6 %
		Y	4.96	67.08	16.34		150.0	
		Z	4.75	67.11	16.28		150.0	
10195- CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.98	67.48	16.62	0.00	150.0	± 9.6 %
		Y	5.00	67.07	16.34		150.0	
		Z	4.79	67.14	16.30		150.0	
10196- CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.76	67.21	16.55	0.00	150.0	±9.6%
		Y	4.78	66.80	16.27		150.0	
		Z	4.58	66.86	16.18		150.0	
10197- CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)	X	4.96	67.50	16.63	0.00	150.0	± 9.6 %
		Y	4.98	67.09	16.35		150.0	
10122		Z	4.76	67.14	16.30		150.0	
10198- CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)	X	4.99	67.50	16.63	0.00	150.0	±9.6 %
		Y	5.01	67.09	16.35		150.0	
10010		Z	4.79	67.16	16.31		150.0	
10219- CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.71	67.23	16.53	0.00	150.0	± 9.6 %
		Y	4.73	66.82	16.24		150.0	
		Z	4.53	66.87	16.14		150.0	
10220- CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	X	4.96	67.50	16.63	0.00	150.0	±9.6 %
		Y	4.98	67.10	16.35		150.0	
		Z	4.76	67.11	16.29		150.0	
10221- CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)	X	4.99	67.43	16.62	0.00	150.0	± 9.6 %
_		Y	5.01	67.03	16.34		150.0	
0000		Z	4.80	67.09	16.30		150.0	
10222- CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.29	67.72	16.73	0.00	150.0	±9.6 %
		Y Z	5.31 5.12	67.38 67.29	16.49		150.0	

10223-	IEEE 802.11n (HT Mixed, 90 Mbps, 16-	X	5.67	68.03	16.90	0.00	150.0	± 9.6 %
CAB	QAM)			07.74	40.07		450.0	
		Y	5.70	67.71	16.67		150.0	
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64- QAM)	Z X	<u>5.43</u> 5.35	67.50 67.84	16.54 16.72	0.00	150.0 150.0	± 9.6 %
		Y	5.37	67.51	16.48		150.0	
		Z	5.17	67.40	16.39		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	3.03	67.01	16.18	0.00	150.0	±9.6 %
		Y	3.00	66.12	15.59		150.0	
		Z	2.84	66.23	15.31		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	100.00	125.13	35.58	6.02	65.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	23.60	98.91	28.82		65.0	
		Z	100.00	128.43	36.91		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	61.16	114.83	32.47	6.02	65.0	±9.6 %
		Y	19.96	94.87	27.16		65.0	
40000		Z	73.77	120.96	34.46		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	72.18	126.53	38.01	6.02	65.0	± 9.6 %
		Y_	21.44	101.40	31.05		65.0	
10000		Z	53.16	123.89	37.96		65.0	1.0.0.01
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	94.57	123.93	35.21	6.02	65.0	± 9.6 %
		Y	22.66	98.06	28.49		65.0	
		Z	96.87	127.65	36.65	0.00	65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	56.39	113.28	31.99	6.02	65.0	± 9.6 %
		Y	19.26	94.16	26.88		65.0	
		Z	66.99	119.13	33.93		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	66.18	124.67	37.45	6.02	65.0	± 9.6 %
		<u>Y</u>	20.62	100.55	30.72	_	65.0	
			48.89	122.07	37.41	0.00	65.0	
10232- CAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	94.69	123.96	35.21	6.02	65.0	± 9.6 %
		Y	22.64	98.05	28.48	l	65.0	
		Z	97.00	127.68	36.66		65.0	
10233- CAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	56.52	113.33	32.00	6.02	65.0	± 9.6 %
		Y	19.26	94.17	26.88		65.0	
10234- CAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	67.07 60.26	119.16 122.59	33.94 36.81	6.02	<u>65.0</u> 65.0	± 9.6 %
		Y	19.81	99.63	30.34	1	65.0	
		Ż	45.11	120.21	36.81		65.0	
10235- CAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	95.38	124.09	35.25	6.02	65.0	± 9.6 %
-		Y	22.67	98.09	28.50		65.0	
_		Z	97.77	127.84	36.70		65.0	
10236- CAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	57.18	113.50	32.04	6.02	65.0	± 9.6 %
		Υ	19.38	94.26	26.90		65.0	
		Z	68.10	119.39	33.99		65.0	
10237- CAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	67.28	125.01	37.54	6.02	65.0	± 9.6 %
		Y	20.74	100.68	30.76		65.0	L
		Z	49.59	122.38	37.49		65.0	
10238- CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	95.00	124.02	35.23	6.02	65.0	± 9.6 %
		Y	22.64	98.06	28.49		65.0	L
		Z	97.19	127.73	36.66		65.0	1

10239- CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	56.67	113.39	32.01	6.02	65.0	± 9.6 %
		Y	19.26	94.19	26.88	<u>†                                    </u>	65.0	1
		Z	67.13	119.19	33.94	+	65.0	
10240- CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	67.00	124.93	37.52	6.02	65.0	± 9.6 %
		Y	20.68	100.63	30.74		65.0	
		Z	49.37	122.30	37.47		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	×	14.43	89.77	28.56	6.98	65.0	± 9.6 %
		Y	12.31	85.00	26.80		65.0	
1		<u> </u>	13.89	90.56	28.94		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	13.70	88.57	28.03	6.98	65.0	±9.6 %
		Y	10.82	82.08	25.53		65.0	
40040		Z	13.16	89.30	28.37		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	10.55	84.90	27.56	6.98	65.0	± 9.6 %
		<u>Y</u>	8.88	79.49	25.25		65.0	
10244-		<u>Z</u>	9.99	85.03	27.70		65.0	
CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	11.43	83.67	22.47	3.98	65.0	± 9.6 %
		Υ	9.78	80.48	21.64		65.0	
10045		Z	9.76	81.22	20.90		65.0	
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	11.21	83.09	22.22	3.98	65.0	± 9.6 %
		Y	9.71	80.13	21,47		65.0	
10246-		Z	9.48	80.50	20.58		65.0	
CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	10.58	85.22	23.00	3.98	65.0	± 9.6 %
		Y	8.86	81.57	21.94		65.0	
10247- CAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	Z X	9.16 8.25	83.05 78.94	21.67 21.22	3.98	65.0 65.0	± 9.6 %
0/10		Y	7.85	77.00	00 70		<u> </u>	<u> </u>
		Z	7.85	77.32	20.79		65.0	
10248- CAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	8.20	77.61 78.37	20.18 20.99	3.98	<u>65.0</u> 65.0	±9.6 %
		Y	7.89	76.93	20.61		65.0	
		Z	7.41	77.03	19.93		65.0	<u> </u>
10249- CAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	11.20	86.28	23.89	3.98	65.0	± 9.6 %
		Y	9.29	82.26	22.62		65.0	
		Z	10.48	85.66	23.36		65.0	
10250- CAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.93	80.25	22.81	3.98	65.0	± 9.6 %
		Y	8.46	78.37	22.14		65.0	
40054		Z	8.46	79.88	22.48		65.0	
10251- CAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	×	8.39	77.98	21.64	3.98	65.0	± 9.6 %
		Y	8.12	76.54	21.14	_	65.0	
40050		Z	7.98	77.74	21.34		65.0	
10252- CAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	10.53	84.51	23.78	3.98	65.0	± 9.6 %
		Y	9.19	81.18	22.63		65.0	
10050		Z	10.24	84.82	23.86		65.0	
10253- CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	8.25	76.95	21.44	3.98	65.0	±9.6 %
		Y	8.10	75.77	21.00		65.0	
10054		Z	7.89	76.78	21.28		65.0	
10254- CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	x	8.62	77.66	22.02	3.98	65.0	± 9.6 %
		Y	8.44	76.43	21.56		65.0	
		Z	8.28	77.57	21.89		65.0	

10255- CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	×	9.25	80.67	22.52	3.98	65.0	± 9.6 %
		Y	8.61	78.53	21.74		65.0	
		Ż	9.00	80.97	22.67		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	10.45	81.80	21.06	3.98	65.0	± 9.6 %
		I Y I	9.25	79.43	20.63		65.0	
		Z	8.10	77.76	18.69		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	10.14	80.97	20.68	3.98	65.0	± 9.6 %
		Y	9.17	78.95	20.38		65.0	
		Z	7.78	76.81	18.23		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	9.51	83.16	21.76	3.98	65.0	± 9.6 %
		Y	8.34	80.46	21.12		65.0	
		Z	7.35	79.00	19.46		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	8.50	79.32	21.74	3.98	65.0	± 9.6 %
		Y	8.08	77.61	21.22		65.0	
		Z	7.86	78.44	21.00		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	8.50	79.04	21.65	3.98	65.0	± 9.6 %
		Y	8.14	77.44	21.18		65.0	
		Z	7.85	78.11	20.87		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	10.46	84.88	23.66	3.98	65.0	± 9.6 %
		Y	8.99	81.35	22.49		65.0	
		Z	9.90	84.54	23.31		65.0	
10262- CAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.92	80.22	22.77	3.98	65.0	± 9.6 %
-		Y	8.45	78.35	22.11		65.0	
		Z	8.45	79.83	22.45		65.0	
10263- CAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	8.39	77.98	21.64	3.98	65.0	±9.6 %
		Y	8.12	76.54	21.14		65.0	
		Z	7.97	77.72	21.33		65.0	
10264- CAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	10.46	84.37	23.71	3.98	65.0	± 9.6 %
		Y	9.15	81.08	22.57		65.0	
		Z	10.16	84.65	23.78		65.0	
10265- CAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	8.50	77.59	21.64	3.98	65.0	± 9.6 %
		Y	8.29	76.32	21.16		65.0	
		Z	8.08	77.33	21.51	İ	65.0	
10266- CAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	8.85	78.27	22.25	3.98	65.0	± 9.6 %
		Y	8.62	76.95	21.75		65.0	
		Z	8.48	78.14	22.17		65.0	
10267- CAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	9.58	81.04	22.42	3.98	65.0	± 9.6 %
		Y	8.86	78.85	21.63		65.0	
		Z	9.31	81.34	22.60		65.0	
10268- CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.89	76.95	21.70	3.98	65.0	± 9.6 %
		Y	8.78	75.95	21.31		65.0	
		Z	8.54	76.83	21.69		65.0	
10269- CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	8.79	76.51	21.59	3.98	65.0	± 9.6 %
		Y	8.71	75.58	21.23		65.0	
		Z	8.47	76.42	21.58		65.0	
10270- CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	8.98	78.26	21.47	3.98	65.0	± 9.6 %
		ΤΥ	8.66	76.86	20.96		65.0	
		Ż	8.70	78.39	21.61		65.0	

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	x	2.76	67.40	16.12	0.00	150.0	± 9.6 %
		Y	2.68	66.20	45.05	<u> </u>		<u> </u>
		Ż	2.61	66.55	15.35	┼───	150.0	+
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.97	71.33	15.21 17.64	0.00	<u>150.0</u> 150.0	± 9.6 %
_		Y	1.71	67.84	15.61	·	150.0	<u> </u>
		Z	1.63	67.82	15.44	<u> </u>	150.0	-
10277- CAA	PHS (QPSK)	X	5.79	70.12	14.44	9.03	50.0	± 9.6 %
		<u>Y</u>	6.71	72.04	16.24		50.0	
10278-		Z	5.20	69.01	13.39		50.0	
CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	10.14	81.72	21.64	9.03	50.0	± 9.6 %
		<u> </u>	10.00	81.13	22.16	L	50.0	
10279-	PHS (QPSK, BW 884MHz, Rolloff 0.38)	<u>Z</u>	8.80	79.36	20.19		50.0	
CAA			10.33	81.92	21.72	9.03	50.0	± 9.6 %
		Y	10.19	81.33	22.24		50.0	
10290-			8.92	79.53	20.27		50.0	
AAB	CDMA2000, RC1, SO55, Full Rate	X	2.41	75.76	18.30	0.00	150.0	± 9.6 %
		<u>Y</u>	1.70	69.18	15.23		150.0	
10291-	CDMA2000, RC3, SO55, Full Rate	Z	1.46	68.58	14.00		150.0	
	CDMA2000, RC3, SO55, Full Rate	X	1.39	73.22	17.31	0.00	150.0	± 9.6 %
		Y	0.98	66.45	13.79		150.0	
10292-	CDMA2000, RC3, SO32, Full Rate	Z	0.85	65.74	12.53		150.0	
AAB	CDMA2000, RC3, SU32, Full Rate	X	2.43	83.14	21.70	0.00	150.0	± 9.6 %
		Y	1.15	69.63	15.75		150.0	
10293-		Z	1.04	69.40	14.71		150.0	
AAB	CDMA2000, RC3, SO3, Full Rate	X	5.22	96.14	26.57	0.00	150.0	± 9.6 %
		Υ	1.48	73.58	17.97		150.0	
10295-	CDM40000 D04 000 4/00 D 1 07 /	Z	1.47	74.43	17.37		150.0	
AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	10.48	83.75	24.32	9.03	50.0	±9.6 %
		Y	9.84	81.54	23.85		50.0	
10007		Z	<u>11.88</u>	86.37	24.91		50.0	
10297- AAA	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	3.28	72.37	17.95	0.00	150.0	± 9.6 %
		Y	2.98	69.95	16.59		150.0	
40200		Z	<u>2.77</u>	69.63	16.49		150.0	
10298- AAB	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	2.26	72.62	17.48	0.00	150.0	± 9.6 %
	<u> </u>	Y	1.88	68.51	15.39		150.0	
10299-		Z	1.59	67.65	14.14		150.0	
AAB	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	6.40	81.89	20.37	0.00	150.0	± 9.6 %
	<u> </u>	Y	3.78	<u>73.</u> 44	17.26		150.0	
10300-		Z	3.62	73.66	16.18		150.0	
AAB	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	3.72	72.73	16.07	0.00	150.0	± 9.6 %
	<u> </u>	Y	2.96	68.88	14.55		150.0	
10301-		Z	2.44	67.52	12.75		150.0	
AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	5.70	68.03	18.84	4.17	80.0	± 9.6 %
		Y	5.77	67.36	18.35		80.0	
0202		Z	5.64	68.37	18.74		80.0	
10302- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	6.21	68.72	19.60	4.96	80.0	± 9.6 %
		Y	0.44	00.05	40.47			
	<u> </u>	Z	<u>6.41</u> 6.13	68.65 69.05	19.47 19.54		80.0	

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10303- AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	6.07	68.83	19.70	4.96	80.0	± 9.6 %
		Y	6.30	68.82	19.58		80.0	
		Z	5.97	69.08	19.56		80.0	
10304- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.71	68.13	18.89	4.17	80.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	5.89	68.01	18.73		80.0	
		Z	5.61	68.35	18.73		80.0	
10305- AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	6.90	74.81	23.11	6.02	50.0	± 9.6 %
		Y	9.48	82.28	26.60		<u>50.</u> 0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms,	Z X	9.03 6.40	82.45 71.34	26.20 21.64	6.02	<u>50.0</u> 50.0	± 9.6 %
AAA	10MHz, 64QAM, PUSC, 18 symbols)	Y	6.75	71.50	21.57		50.0	
		Z	6.43	72.04	21.57		50.0	
10307- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	6.49	72.10	21.82	6.02	50.0	± 9.6 %
		Ý	6.85	72.21	21.70		50.0	
		Z	6.50	72.67	21.67		50.0	
10308- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	6.53	72.49	22.02	6.02	50.0	± 9.6 %
		Y	6.89	72.58	21 <u>.88</u>		50.0	
		Z	6.59	73.18	21.92		50.0	
10309- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	6.52	71.66	21.81	6.02	50.0	± 9.6 %
		Y	6.86	71.77	21.70		50.0	
		Z	6.53	72.35	21.74		50.0	
10310- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	6.41	71.57	21.66	6.02	50.0	± 9.6 %
		Y	6.75	71.71	21.56		50.0	
		Z	6.45	72.29	21.59		50.0	
10311- AAA	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.66	71.55	17.51	0.00	150.0	± 9.6 %
		Y	3.33	69.32	16.27		150.0	
10010		Z X	3.12	68.94	16.14 19.16	6.99	150.0 70.0	± 9.6 %
10313- AAA	iDEN 1:3		8.19	79.62	18.90	0.99	70.0	± 9.0 %
		Y	7.35	80.46	19.57		70.0	
10314-	iDEN 1:6	Z X	8.21 11.35	86.83	24.06	10.00	30.0	± 9.6 %
AAA _		Y	8.72	81.68	22.69		30.0	
		Z	10.81	87.34	24.49		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.24	66.34	16.99	0.17	150.0	± 9.6 %
		Y	1.18	64.44	15.46		150.0	
	<u> </u>	Z	1.17	64.45	15.36		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duly cycle)	X	4.83	67.25	16.68	0.17	150.0	± 9.6 %
		Y	4.86	66.88	16.43		150.0	
		Z	4.68	66.99	16.39	ļ	150.0	
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.83	67.25	16.68	0.17	150.0	± 9.6 %
		Y	4.86	66.88	16.43	ļ	150.0	<u>                                     </u>
10400-	IEEE 802.11ac WiFi (20MHz, 64-QAM,	Z X	4.68 4.96	<u>66.99</u> 67.54	16.39 16.61	0.00	150.0 150.0	± 9.6 %
AAC	99pc duty cycle)	+		07.10	40.00	·	450.0	
		<u>Y</u>	4.98	67.13	16.32		150.0	
		<u>Z</u>	4.75	67.19	16.29		150.0	
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duly cycle)	X	5.54	67.49	16.61	0.00	150.0	± 9.6 %
		Y	5.56	67.14	16.37	<u> </u>	150.0	<u> </u>
		Z	5.45	67.43	16.49		150.0	J

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10402- AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM,	X	5.87	68.11	16.75	0.00	150.0	± 9.6 %
	99pc duty cycle)	+	F 00	-	40.74	I	1	
		Y	5.89	67.80	16.54		150.0	
10403-	CDMA2000 (1xEV-DO, Rev. 0)	Z	5.70	67.70	16.47		150.0	<b>-</b>
AAB	CDMA2000 (1xev-DO, Rev. 0)		2.41	75.76	18.30	0.00	115.0	± 9.6 %
		<u>Y</u>	1.70	69.18	15.23	L	115.0	
		Z	1.46	68.58	14.00	L	115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	X	2.41	75.76	18.30	0.00	115.0	±9.6 %
		Y	<u>1.70</u>	69.18	15.23		115.0	
40400		Z	1.46	68.58	14.00		115.0	-
10406- AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	120.32	30.30	0.00	100.0	± 9.6 %
		Y	37.67	108.93	28.46		100.0	
10110		Z	100.00	119.28	29.39		100.0	
10410- AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	118.51	29.90	3.23	80.0	± 9.6 %
		Y	100.00	<u>1</u> 19.74	30.88		80.0	
40445		Z	100.00	120.99	30.71		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	1.06	64.54	16.02	0.00	150.0	± 9.6 %
		Y	1.03	62,90	14.57		150.0	
		Z	1.03	63.04	14.51		150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	X	4.73	67.12	16.55	0.00	150.0	± 9.6 %
		Y	4.75	66.70	16.25		150.0	
10/17		Z	4.58	66.83	16.23		150.0	
10417- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.73	67.12	16.55	0.00	150.0	± 9.6 %
		Y	4.75	66.70	16.25		150.0	
		Z	4.58	66.83	16.23		150.0	
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.72	67.27	16.56	0.00	150.0	± 9.6 %
		Y	4.73	66.83	16.25		150.0	
		Z	4.56	66.98	16.24		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.75	67.23	16.56	0.00	150.0	±9.6 %
		Y	4.76	66.80	16.26		150.0	
		Z	4.59	66.94	16.24		150.0	
10422- AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.87	67.22	16.56	0.00	150.0	± 9.6 %
		Y	4.89	66.82	16.28		150.0	
		Z	4.71	66.94	16.26		150.0	
10423- AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	5.09	67.62	16.71	0.00	150.0	±9.6 %
		Y	5.12	67.23	16.44		150.0	
10.12		Z	4.88	67.27	16.38		150.0	
10424- AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	5.00	67.56	16.68	0.00	150.0	± 9.6 %
		Y	5.02	67.15	16.39		150.0	
		Z	4.80	67.22	16.35		150.0	
10425- AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.55	67.83	16.78	0.00	150.0	± 9.6 %
		Y	5.59	67.55	16.57		150.0	
		Z	5.40	67.57	16.55		150.0	
10426- AAA	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.56	67.88	16.79	0.00	150.0	± 9.6 %
		·						
		Y	5.60	67.58	16.58		150.0	

10427- AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.59	67.91	16.80	0.00	150.0	± 9.6 %
		Y	5.63	67.61	16.59		150.0	
		Z	5.42	67.56	16.54		150.0	
10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.54	71.07	18.70	0.00	150.0	± 9.6 %
		Y_	4.46	69.99	18.11		150.0	
		Z	4.20	70.41	17.89		150.0	
10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.50	67.77	16.69	0.00	150.0	±9.6 %
		Y	4.51	67.23	16.34		150.0	
		Z	4.26	67.36	16.21		150.0	
10432- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.78	67.63	16.67	0.00	150.0	± 9.6 %
		Y	4.80	67. <u>18</u>	16.37		150.0	
		Z	4.56	67.25	16.29		150.0	
10433- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	5.01	67.62	16.71	0.00	150.0	± 9.6 %
		Y	5.04	67.21	16.43		150.0	
		Z	4.81	67.25	16.37		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.66	71.93	18.79	0.00	150.0	±9.6 %
		Y	4.53	70.61	18.11		150.0	
		Z	4.27	71.15	17.82		150.0	
10435- AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	100.00	118.35	29.82	3.23	80.0	± 9.6 %
		Y	100.00	119.61	30.82		80.0	
		Z	100.00	120.81	30.62		80.0	
10447- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.85	68.02	16.38	0.00	150.0	± 9.6 %
		Y	3.83	67.22	15.92		150.0	
		Ż	3.54	67.32	15.53		150.0	
10448- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.31	67.56	16.56	0.00	150.0	±9.6 %
,001		Y	4.32	66.99	16.19		150.0	
	· · · · · · · · · · · · · · · · · · ·	z	4.10	67.13	16.07		150.0	
10449- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.56	67.47	16.59	0.00	150.0	± 9.6 %
		Y	4.57	66.98	16.26		150.0	
		Ż	4.37	67.07	16.19		150.0	
10450- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.73	67.38	16.58	0.00	150.0	±9.6 %
		Y	4.74	66.94	16.27		150.0	
		Z	4.56	67.01	16.22	1	150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.81	68.42	16.23	0.00	150.0	±9.6 %
		Y	3.77	67.50	15.73		150.0	
		Ż	3.44	67.49	15.16	1	150.0	
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	TX-	6.40	68.45	16.93	0.00	150.0	±9.6 %
		Y	6.44	68.23	16.77		150.0	
		Z	6.27	68.12	16.71		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.89	65.77	16.30	0.00	150.0	± 9.6 %
		Y.	3.90	65.36	15.99		150.0	
		Z	3.82	65.47	15.93	L	150.0	L
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.60	67.53	15.71	0.00	150.0	± 9.6 %
		Y	3.56	66.59	15.22		150.0	
		Z	3.27	66.88	14.62		150.0	
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.70	65.53	16.21	0.00	150.0	± 9.6 %
		Y	4.63	64.60	15.71		150.0	
		Ż	4.27	64.85	15.38		150.0	

10460- AAA	UMTS-FDD (WCDMA, AMR)	x	1.28	75.29	20.20	0.00	150.0	± 9.6 %
		-  Y	0.92	67.71	15.91		150.0	
		Ż	0.90	67.71	15.78	<u> </u>	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	122.97	32.01	3.29	80.0	± 9.6 %
		Y	100.00	121.34	31.70	<u> </u>	80.0	<u> </u>
		Z	100.00	125.58	32.88		80.0	<u> </u>
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.03	24.84	3.23	80.0	± 9.6 %
		<u>Y</u>	100.00	109.86	26.18		80.0	
10463-	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz,		100.00	108.99	24.93		80.0	
AAA	64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	105.21	23.49	3.23	80.0	± 9.6 %
	·	<u>Y</u> Z	47.92	99.26	23.13	ļ	80.0	
10464-	LTE-TDD (SC-FDMA, 1 RB, 3 MHz,		100.00	105.71	23.36		80.0	
AAA	QPSK, UL Subframe=2,3,4,7,8,9)	X Y	100.00	121.12	31.00	3.23	80.0	± 9.6 %
		Z	100.00	119.76	30.82	<u> </u>	80.0	
10465-	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-	$\frac{1}{x}$	100.00	123.61	31.80		80.0	
10465- AAA	QAM, UL Subframe=2,3,4,7,8,9)	Y	92.10	107.54	24.59	3.23	80.0	± 9.6 %
	<u> </u>		<u>92.10</u> 100.00	108.50	25.75		80.0	<u> </u>
10466-	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-	$\frac{2}{x}$	100.00	108.47 104.76	24.68		80.0	
	QAM, UL Subframe=2,3,4,7,8,9)	$\frac{1}{Y}$	27.79	92.79	23.28	3.23	80.0	± 9.6 %
		z	53.71	98.96	21.40 21.73		80.0	
10467- AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	121.32	31.10	3.23	80.0 80.0	± 9.6 %
		Y	100.00	119.93	30.90		80.0	
		Ż	100.00	123.83	31.91		80.0	
10468- AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.68	24.66	3.23	80.0	± 9.6 %
		Y	100.00	109.58	26.02		80.0	
		Z	100.00	108.64	24.75		80.0	<u> </u>
10469- AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	x	100.00	104.76	23.27	3.23	80.0	±9.6 %
		Y	28.45	93.06	21.47		80.0	
		Z	57.15	99.60	21.88		80.0	
10470- AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	100.00	121.35	31.10	3.23	80.0	± 9.6 %
		Y	100.00	119.95	30.90		80.0	
10471-		Z	100.00	123.86	31.91		80.0	
AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.63	24.63	3.23	80.0	±9.6 %
		Y	100.00	109.54	26.00		80.0	
10472- AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	ZX	100.00 100.00	108.59 104.72	24.73 23.24	3.23	80.0 80.0	± 9.6 %
		Y	28.52	93.08	24.40			
		Z	57.07	<u>93.08</u> 99.54	21.46 21.85		80.0	
10473- AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	<u>99.34</u> 121.32	31.09	3.23	<u>80.0</u> 80.0	± 9.6 %
		Y	100.00	119.92	30.89			
		z	100.00	123.84	31.90		80.0	
10474- AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	107.64	<u>31.90</u> 24.63	3.23	80.0 80.0	± 9.6 %
		Y	100.00	109.55	26.00		80.0	
		Z	100.00	108.60	24.73		80.0	
10475- AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	104.73	23.25	3.23	80.0	± 9.6 %
<u>~~~</u>								
		Y	28.13	92.93	21.42		80.0	

10477-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-	X	100.00	107.49	24.56	3.23	80.0	± 9.6 %
AAA	QAM, UL Subframe=2,3,4,7,8,9)	v		400.04	25.85		00.0	
		Y Z	<u>96.57</u> 100.00	109.01 108.42	25.85		80.0 80.0	
10478-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-	X	100.00	106.42	23.23	3.23	80.0	± 9.6 %
AAA	QAM, UL Subframe=2,3,4,7,8,9)					0.20		± 3.0 %
		Y	27.68	92.72	21.36		80.0	
		Z	53.23	98.81	21.67	0.00	80.0	1068/
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	26.63	104.01	29.13	3.23	80.0	±9.6 %
		Y	9.63	86.48	23.96		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Z X	24.30 38.31	102.59 102.90	28.22 27.02	3.23	80.0 80.0	± 9.6 %
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Y	11.50	85.06	22.20		80.0	
		Z	29.11	98.49	25.10		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	30.40	98.59	25.52	3.23	80.0	± 9.6 %
<u></u>		Y	10.74	83.47	21.41		80.0	
		Z	20.94	92.98	23.18		80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	x	8.51	84.82	22.25	2.23	80.0	± 9.6 %
		Y	5.60	77.58	19.80		80.0	
		Z	5.41	78.09	19.19		80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	14.01	88.92	23.41	2.23	80.0	± 9.6 %
		Y	8.14	80.18	20.73		<u>80.0</u>	
		Z	9.32	82.50	20.44		80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	12.47	87.00	22.82	2.23	80.0	± 9.6 %
		Y	7.81	79.33	20.43		80.0	
		Ζ_	8.26	80.64	19.81		80.0	
10485- AAA	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	8.06	84.25	22.66	2.23	80.0	± 9.6 %
		Y	5.75	77.87	20.37		80.0	
		Z	5.68	79.10	20.42		80.0	
10486- AAA	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5,66	75.87	19.43	2.23	80.0	± 9.6 %
		Y	4.94	72.86	18.29		80.0	
		Z	4.62	73.05	17.69		80.0	
10487- AAA	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.56	75.25	19.19	2.23	80.0	± 9.6 %
		Y	4.94	72.51	18.16		80.0	
		Z	4.56	72.51	17.46		80.0	
10488- AAA	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.10	80.82	21.84	2.23	80.0	± 9.6 %
		Y	5.79	76.47	20.13		80.0	<b> </b>
		Z	5.49	77.19	20.36	<u> </u>	80.0	
10489- AAA	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.34	73.87	19.44	2.23	80.0	± 9.6 %
		Y	5.00	7 <u>1.87</u>	18.57	L	80.0	
		Z	4.68	72.17	18.47		80.0	
10490- AAA	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.35	73.36	19.26	2.23	80.0	± 9.6 %
		Y	5.06	71.53	18.46	I	80.0	
		Z	4.74	71.87	18.36		80.0	1000
10491- AAA	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.36	77.12	20.56	2.23	80.0	± 9.6 %
		Y	5.66	74.28	19.36		80.0	<u> </u>
		Z	5.31	74.67	19.54		80.0	1000
10492- AAA	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.41	72.24	18.98	2.23	80.0	± 9.6 %
		Y	5.23	70.84	18.33	L	80.0	·
r —		Z	4.89	71.01	18.29	1	80.0	

10493- AAA	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.44	71.94	18.88	2.23	80.0	± 9.6 %
		Y	5.28	70.63	18.27		00.0	
		Ż	4.94	70.81	18.22	<u> </u>	80.0	
10494-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	$\frac{1}{x}$	7.43	79.70			80.0	1.000
AAA	QPSK, UL Subframe=2,3,4,7,8,9)				21.31	2.23	80.0	± 9.6 %
		Y	6.30	76.13	19.88	L	80.0	
10495-	LTE TOD (00 FOMA FOX DD CO MIL	Z	5.88	<u>76.4</u> 0	20.05		80.0	
AAA	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.56	72.97	19.25	2.23	80.0	± 9.6 %
	<u> </u>	Y	5.33	71.45	18.55		80.0	
10496-		Z	4.97	71.48	18.50		80.0	
AAA	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.54	72.39	19.06	2.23	80.0	± 9.6 %
		Y	5.37	71.03	18.42		80.0	
10107		Z	5.01	71.08	18.38		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.31	82.38	20.82	2.23	80.0	±9.6 %
		Y	4.87	75.75	18.64		80.0	
40.000		Z	4.03	73.68	16.68		80.0	<u> </u>
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe≂2,3,4,7,8,9)	X	4.73	73.29	16.69	2.23	80.0	± 9.6 %
		Y	4.12	70.77	15.97		80.0	
·		Z	2.73	66.24	12.60		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.59	72.54	16.27	2.23	80.0	±9.6 %
		Y	4.10	70.38	15.70		80.0	
		Z	2.62	65.47	12.11		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.19	81.83	22.01	2.23	80.0	± 9.6 %
		Y	5.57	76.69	20.07		80.0	
		Z	5.44	77.85	20.24		80.0	<u> </u>
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.46	74.81	19.33	2.23	80.0	± 9.6 %
		Y	4.94	72.30	18.33		80.0	
		Z	4.65	72.67	17.97		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.46	74.43	19.15	2.23	80.0	± 9.6 %
		Y	4.98	72.05	18.20		80.0	
		Z	4.68	72.41	17.81		80.0	<u> </u>
10503- AAA	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.99	80.56	21.73	2.23	80.0	± 9.6 %
		Y	5.72	76.28	20.04		80.0	
		Z	5.42	76.98	20.27		80.0	
10504- AAA	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.31	73.78	19.39	2.23	80.0	± 9.6 %
		Y	4.98	71.79	18.52		80.0	
		Z	4.66	72.08	18.42		80.0	
10505- \AA	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.32	73.26	19.21	2.23	80.0	±9.6 %
		Y	5.03	71.44	18.41		80.0	
		Z	4.72	71.78	18.31		80.0	
10506- \AA	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.35	79.52	21.23	2.23	80.0	±9.6 %
		Y	6.24	75.99	19.82		80.0	
0.505		Z	5.83	76.25	19.98		80.0	
10507- \AA	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	х	5.53	72.90	19.22	2.23	80.0	± 9.6 %
		Y	5.31	71.39	18.51			
		z	0.01	11.00	10.01		80.0	

10508- AAA	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.52	72.31	19.02	2.23	80.0	± 9.6 %
		Y	5.35	70.96	18.38		80.0	
		Z	4.99	71.02	18.34		80.0	
10509- AAA	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.86	76.40	20.08	2.23	80.0	± 9.6 %
		Y	6.23	74.05	19.09		80.0	
		Z	5.83	74.13	19.18		80.0	
10510- AAA	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	5.89	72.04	18.91	2.23	80.0	±9.6 %
		Y	5.75	70.91	18.36		80.0	
		Z	5.36	70.80	18.32		80.0	
10511- AAA	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.86	71.58	18.77	2.23	80.0	± 9.6 %
		Y	5.75	70.55	18.27		80.0	
		Z	5.39	70.48	18.23		80.0	
10512- AAA	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.85	79.24	20.97	2.23	80.0	±9.6 %
		Y	6.7 <u>5</u>	76.04	19.69		80.0	
		Z	6.30	76.05	19.77		80.0	
10513- AAA	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.88	72.72	19.16	2.23	80.0	±9.6 %
		Y	5.70	71.43	18.55		80.0	-
		Z	5,29	71.21	18.47		80.0	· · · · · · · · · · · · · · · · · · ·
10514- AAA	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.77	72.00	18.94	2.23	80.0	±9.6 %
		Y	5.64	70.86	18.38		80.0	
		Z	5.26	70.6 <u>9</u>	18.32		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	1.03	64.88	16.19	0.00	150.0	± 9.6 %
		Y	0.99	63.07	14.62		150.0	
		Z	0.99	63.20	14.56		150.0	106%
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	1.64	91.04	26.85	0.00	150.0	± 9.6 %
		Y	0.59	69.22	16.60		150.0	
		Z	0.59	69.23	16.57	0.00	150.0	+06%
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duly cycle)	X	0.96	68.68	17.89	0.00	150.0 150.0	± 9.6 %
		Y Z	0.84	<u>64.94</u> 64.94	15.18 15.09		150.0	
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	<u>0.84</u> 4.73	67.22	16.54	0.00	150.0	± 9.6 %
		Y	4.75	66.79	16.24		150.0	
		Z	4.57	66.91	16.20		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.96	67.51	16.67	0.00	150.0	± 9.6 %
		Υ	4.99	67.12	16.39	<u> </u>	150.0	
		Z	4.76	67.15	16.33	<u> </u>	150.0	
10520- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.82	67.52	16.62	0.00	150.0	± 9.6 %
<u> </u>		<u>Υ</u>	4.84	67.09	16.32		150.0 150.0	
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	Z X	4.61 4.75	67.11 67.54	16.25 16.61	0.00	150.0	± 9.6 %
1001		†γ-	4.77	67.10	16.31		150.0	
		Ż	4.54	67.10	16.23		150.0	
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.79	67.47	16.62	0.00	150.0	± 9.6 %
		Y	4.80	67.00	16.30		150.0	
		Z	4.60	67.19	16.31		150.0	

10523- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.66	67.41	16.50	0.00	150.0	± 9.6 %
		Y	4.67	66.95	16.18	+	150.0	
		Ż	4.48	67.04	16.16	<u> </u>		
10524- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.74	67.44	16.62	0.00	<u>150.0</u> 150.0	± 9.6 %
		Y	4.76	66.99	16.31		150.0	<u> </u>
		Z	4.54	67.10	16.28	<u> </u>	150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.69	66.48	16.21	0.00	150.0	± 9.6 %
		Y	4.70	66.02	15.89		150.0	
10526-		Z	4.53	66.15	15.87		150.0	T
<u>AAA</u>	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.91	66.90	16.35	0.00	150.0	± 9.6 %
		Y	4.91	66.43	16.04		150.0	
10527-		Z	4.70	66.52	16.01		150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)		4.82	66.89	16.32	0.00	150.0	± 9.6 %
		Y	4.83	66.42	16.00		150.0	
10528-		Z	4.62	66.47	15.95	L _	150.0	
AAA 	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.84	66.91	16.35	0.00	150.0	± 9.6 %
	<u> </u>	<u>Y</u> .	4.85	66.44	16.03		150.0	
10529-	IEEE 802.11ac WIFi (20MHz, MCS4,	Z	4.63	66.49	15.99		150.0	
AAA	99pc duly cycle)	X	4.84	66.91	16.35	0.00	150.0	± 9.6 %
		Y	4.85	66.44	16.03		150.0	
10531-		Z	4.63	66.49	15.99		150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	×	4.86	67.08	16.39	0.00	150.0	± 9.6 %
		Y	4.87	66.60	16.06		150.0	
10500		Z	4.63	66.60	16.00		150.0	
10532- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.71	66.97	16.35	0.00	150.0	± 9.6 %
		Y	4.72	66.49	16.02		150.0	
40500		Z	4.49	66.45	15.93		150.0	F — -
10533- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.86	66.93	16.33	0.00	150.0	±9.6 %
		Y	4.87	66.45	16.01		150.0	
		Z	4.64	66.54	15.97		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duly cycle)	X	5.34	67.03	16.36	0.00	150.0	± 9.6 %
		Y	5.36	66.66	16.11		150.0	
10525		Ζ	5.17	66.62	16.06		150.0	<u> </u>
10535- \AA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.42	67.17	16.42	0.00	150.0	± 9.6 %
		Y	5.43	66.80	16.16		150.0	
0536-		Z	5.24	66.80	16.14		150.0	
10536- 1AA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duly cycle)	X	5.29	67.18	16.41	0.00	150.0	±9.6 %
	<u> </u>	_Y	5.30	66.78	16.13		150.0	
0537-		Z	<u>5.</u> 11	66.74	16.09		150.0	
10537- \AA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.35	67.14	16.39	0.00	150.0	±9.6 %
·		Y	5.36	66.75	16.12		150.0	
0538-		Z	5.16	66.71	16.08		150.0	
0538- AA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	×	5.47	67.20	16.46	0.00	150.0	± 9.6 %
		Y	5.49	66.85	16.21		150.0	
0540		Z	5.26	66.74	16.13		150.0	
0540- AA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.36	67.15	16.45	0.00	150.0	± 9.6 %
		Y	C 00	00 77				
		Z	5.38 5.19	66.77	16.18	1	150.0	

10541-	IEEE 802.11ac WiFi (40MHz, MCS7,	X	5.35	67.08	16.42	0.00	150.0	± 9.6 %
AAA	99pc duty cycle)							- 0.0 /0
		Y.	5.38	66.75	16.17		150.0	
		Z	5.16	66.62	16.08		150.0	<b>-</b> .
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.49	67.08	16.42	0.00	150.0	± 9.6 %
		Y	5.51	66.73	16.18		150.0	
		Z	5.31	66.69	16.13		150.0	
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duly cycle)	X	5.58	67.09	16.44	0.00	150.0	± 9.6 %
		<u>Y</u>	5.61	66.77	16.21		150.0	
		Z	5.39	66.74	16.17		150.0	
10544- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.61	67.12	16.33	0.00	150.0	± 9.6 %
		Y	5.62	66.77	16.09		150.0	
10545	IEEE 802.11ac WiFi (80MHz, MCS1,	Z X	5.48 5.83	66.74 67.51	16.05 16.46	0.00	150.0 150.0	± 9.6 %
10545- AAA	99pc duty cycle)					0.00		I 9.0 %
		Y Z	5.84	67.15	16.22 16.22		150.0	
10546-	IEEE 802.11ac WiFi (80MHz, MCS2,	X	5.68 5.72	67.16 67.42	16.22	0.00	150.0 150.0	± 9.6 %
10546- AAA	99pc duty cycle)					0.00		19.0 %
		Y 7	5.73	67.08	16.20		150.0	
10547-		ZX	5.55	66.95	16.13 16.46	0.00	150.0 150.0	± 9.6 %
10547- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)		5.81	67.48		0.00		± 9.0 %
		Y	5.83	67.17	16.24		150.0	
40540		Z	5.62	66.99	16.14	0.00	150.0	+06%
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	6.10	68.50	16.94	0.00	150.0	±9.6 %
		Y	6.15	68.24	16.74		150.0	
10550		Z	5.89	67.98	16.61	0.00	150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duly cycle)	X	5.74	67.36	16.42	0.00	150.0	± 9.6 %
		Y	5.75	67.01	16.18		150.0	
40554		Z	5.57	66.96	16.14	0.00	150.0	1069/
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.76	67.47	16.43	0.00	150.0	± 9.6 %
		Y	5.78	67.14	16.20		150.0	
		Z	5.58	67.00	16.12		150.0	
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.66	67.23	16.33	0.00	150.0	± 9.6 %
		Y	5.67	66.89	16.10		150.0	
10553-	IEEE 802.11ac WiFi (80MHz, MCS9,	Z X	5.49 5.75	66.80 67.26	16.03 16.37	0.00	150.0 150.0	± 9.6 %
AAA	99pc duly cycle)	$\left  \cdot \right $		-			450.0	
		Y	5.76	66.93	16.14		150.0	
4055 -		Z	5.58	66.84	16.08	0.00	150.0	1069/
10554- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	6.01	67.49	16.42	0.00	150.0	± 9.6 %
		Y	6.02	67.17	16.20		150.0	
10		Z	5.89	67.10	16.15	0.00	150.0	1000
10555- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.17	67.85	16.56	0.00	150.0	±9.6 %
		Y	6.20	67.56	16.36		150.0	
		Z	6.02	67.41	16.28		150.0	+0.0 %
10556- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.18	67.83	16.55	0.00	150.0	± 9.6 %
		Y	6.19	67.51	16.33		150.0	
		Z	6.04	67.46	16.30		150.0	
10557- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.17	67.82	16.57	0.00	150.0	± 9.6 %
		Y	6.19	67.52	16.36		150.0	<u> </u>
		Z	6.00	67.36	16.27		150.0	

10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duly cycle)	x	6.23	68.01	16.68	0.00	150.0	± 9.6 %
		Y	6.25	67.72	16.47		150.0	<del>                                     </del>
		Ż	6.05	67.53	16.37		150.0	+
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.22	67.85	16.63	0.00	150.0	± 9.6 %
		Υ	6.25	67.56	16.43	<u> </u>	150.0	
		Z	6.05	67.37	16.33		150.0	
10561- AAA	IEEE 1602.11ac WIFi (160MHz, MCS7, 99pc duty cycle)	X	6.13	67.79	16.64	0.00	150.0	± 9.6 %
		Y	6.15	67.49	16.43		150.0	
10500		Z	5.97	67.35	16.35		150.0	
10562- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.29	68.28	16.89	0.00	150.0	±9.6%
		Y	6.33	68.01	16.70		150.0	
10560		Z	6.10	67.74	16.55		150.0	
10563- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duly cycle)	X	6.57	68.63	17.00	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	<u>Y</u>	6.57	68.27	16.77		150.0	
40504		Z	6.35	<u>68.10</u>	16.68		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	5.07	67.31	16.69	0.46	150.0	± 9.6 %
		<u> </u>	5.10	66.95	16.44		150.0	
10565-		Z	4.91	67.04	16.40		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	5.34	67.80	17.01	0.46	150.0	± 9.6 %
		Y	5.38	67.46	16.78		150.0	
10566-		Z	5.14	67.47	16.71		150.0	
<u>AAA</u>	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	5.17	67.69	16.85	0.46	150.0	± 9.6 %
		Y	5.21	67.33	16.61		150.0	
10567-		Z	4.97	67.33	16.54		150.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	5.20	68.09	17.20	0.46	150.0	± 9.6 %
		Y	5.23	67.71	<u>16.9</u> 4		150.0	Γ — —
10568-		Z	5.00	67.68	16.86		150.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	5.08	67.38	16.59	0.46	150.0	±9.6%
		<u>Y</u>	5.11	67.01	16.33		150.0	T
10560		Z	4.90	67.16	16.34		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	5.14	68.11	17.22	0.46	150.0	± 9.6 %
	<u> </u>	Y	5.16	67.71	16.95		150.0	
10570		Z	4.96	67.77	16.91		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	5.18	67.92	17.15	0.46	150.0	± 9.6 %
		Y	5.21	67.52	16.88		150.0	
10571-		Z	4.99	67.63	16.86		150.0	
AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.45	67.97	17.69	0.46	130.0	±9.6 %
	<u> </u>	Y	1.38	65.84	16.15		130.0	
10572-		Z	1.34	65.80	16.05		130.0	
AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.49	68.86	18.18	0.46	130.0	± 9.6 %
		Y	1.40	66.47	16.51		130.0	· · · · · · · · · · · · · · · · · · ·
0573-		Z	1.36	66.39	16.40		130.0	
AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	100.00	149.30	40.22	0.46	130.0	±9.6 %
		Y	3.11	88.03	23.54		130.0	
0574-		Z	3.23	89.37	24.00		130.0	
AA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duly cycle)	X	2.21	80.01	23.13	0.46	130.0	± 9.6 %
	<u> </u>	Y	1.65	72.75	19.44		130.0	
	1	Z	1.56	72.33	19.21		130.0	

40575		1 1						
10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	X	4.88	67.15	16.77	0.46	130.0	± 9.6 %
~~~		Y	4.92	66.81	16.54		130.0	
		Z	4.92	66.93	16.54		130.0	
10576-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.91	67.32	16.84	0.46	130.0	± 9.6 %
AAA	OFDM, 9 Mbps, 90pc duty cycle)	^	1.01	01.02	10.04	0.10	100.0	1 0.0 %
		Y	4.94	66.97	16.61		130.0	
		Z	4.75	67.08	16.56		130.0	
10577-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	5.15	67.65	17.01	0.46	130.0	± 9.6 %
AAA	OFDM, 12 Mbps, 90pc duty cycle)				_			
		Y	5.20	67.33	16.79		130.0	
		Z	4.96	67.36	16.73		130.0	
10578-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	5.05	67.86	17.13	0.46	130.0	± 9.6 %
AAA	OFDM, 18 Mbps, 90pc duty cycle)					_		
		Y	5.09	67.50	16.89		130.0	
		Z	4.85	67.51	16.82		130.0	
10579-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.82	67.24	16.51	0.46	130.0	± 9.6 %
AAA	OFDM, 24 Mbps, 90pc duty cycle)			1.1.1.0				
		Y	4.87	66.90	16.27		130.0	
40500		Z	4.63	66.89	16.19	0.40	130.0	
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.86	67.17	16.48	0.46	130.0	± 9.6 %
AAA	OFDM, 36 Mbps, 90pc duty cycle)	Y	4.91	66.83	16.25		130.0	
		Z	4.68	66.92	16.23		130.0	
10581-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.96	67.97	17.11	0.46	130.0	± 9.6 %
AAA	OFDM, 48 Mbps, 90pc duty cycle)	$  ^{\prime} $	4.50	01.51	17.11	0.40	130.0	1 0.0 %
1001		Y	5.00	67.61	16.86		130.0	
		Z	4.76	67.57	16.77		130.0	
10582-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.78	66.97	16.29	0.46	130.0	± 9.6 %
AAA	OFDM, 54 Mbps, 90pc duty cycle)							
-		Y	4.83	66.64	16.06		130.0	
		Z	4.58	66.67	16.00		130.0	
10583-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6	X	4.88	67.15	16.77	0.46	130.0	± 9.6 %
AAA	Mbps, 90pc duty cycle)							
		Y	4.92	66.81	16.54	_	130.0	
		Z	4.73	66.93	16.51		130.0	
10584-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9	X	4.91	67.32	16.84	0.46	130.0	± 9.6 %
AAA	Mbps, 90pc duty cycle)						L	
		Y	4.94	66.97	16.61		130.0	
		Z	4.75	67.08	16.56		130.0	
10585-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12	X	5.15	67.65	17.01	0.46	130.0	± 9.6 %
AAA	Mbps, 90pc duty cycle)		5.00	07.00	40.70		400.0	
		Y	5.20	67.33	16.79		130.0	
40500		Z	4.96	67.36	16.73	0.46	130.0	+06%
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duly cycle)	X	5.05	67.86	17.13	0.46	130.0	±9.6 %
		Ŷ	5.09	67.50	16.89		130.0	
		Z	4.85	67.50	16.82		130.0	
10587-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24	X	4.82	67.24	16.51	0.46	130.0	±9.6 %
AAA	Mbps, 90pc duty cycle)	^	4.04	01.24	10.01	0.70	100.0	/
7991		Y	4.87	66.90	16.27		130.0	
		z	4.63	66.89	16.19		130.0	
10588-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36	X	4.86	67.17	16.48	0.46	130.0	± 9.6 %
AAA	Mbps, 90pc duty cycle)							
-		Y	4.91	66.83	16.25		130.0	
		Z	4.68	66.92	16.22		130.0	
10589-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48	X	4.96	67.97	17.11	0.46	130.0	± 9.6 %
AAA	Mbps, 90pc duty cycle)						l	
		Υ	5.00	67.61	16.86		130.0	
		Z	4.76	67.57	16.77		130.0	
10590-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54	X	4.78	66.97	16.29	0.46	130.0	± 9.6 %
AAA	Mbps, 90pc duly cycle)			1		L	<u> </u>	<u> </u>
		Y	4.83	66.64	16.06		130.0	
		ΤZ	4.58	66.67	16.00		130.0	1

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10591- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	5.03	67.20	16.86	0.46	130.0	± 9.6 %
_///H				+	+	L	<u> </u>	
		Y	5.07	66.88	16.64	<u> </u>	130.0	
40500		Z	4.88	66.97	16.60		130.0	
10592- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.21	67.55	16.98	0.46	130.0	± 9.6 %
		Υ	5.26	67.23	16.76	· · ·	130.0	1
		Z	5.03	67.30	16.73		130.0	
1059 <del>3-</del> AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.14	67.52	16.89	0.46	130.0	± 9.6 %
		- Y	5.19	67.20	16.68		130.0	
		Ż	4.96	67.23	16.62		130.0	+
10594- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duly cycle)	X	5.19	67.66	17.03	0.46	130.0	± 9.6 %
		Y	5.24	67.33	16.81		130.0	
		Z	5.01	67.38	16.76		130.0	ł
10595- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	5.17	67.65	16.95	0.46	130.0	± 9.6 %
		Y	5.23	67.33	16.73		130.0	
		Z	4.98	67.35	16.67		130.0	<u> </u>
10596-	IEEE 802.11n (HT Mixed, 20MHz,	$-\overline{x}$	5.11	67.64	16.94	0.46	130.0	± 9.6 %
AAA	MCS5, 90pc duty cycle)	Y	5.16	67.30	16.71		130.0	1 9.0 %
		Z	4.92	67.35	16.67			
10597-	IEEE 802.11n (HT Mixed, 20MHz,	X	5.06	67.59		0.40	130.0	1000
AAA	MCS6, 90pc duty cycle)	- ^ Y	5.00		16.86	0.46	130.0	± 9.6 %
				67.26	16.64		130.0	
10598-		Z	4.87	67.26	16.56		130.0	
AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	5.05	67.87	17.14	0.46	130.0	± 9.6 %
		Y	5.09	67.53	16.91		130.0	
		_ Z	4.85	67.47	16.80		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.68	67.76	17.01	0.46	130.0	± 9.6 %
		Y	5.74	67.54	16.84		130.0	
		Z	5.54	67.51	16.80		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.91	68.42	17.31	0.46	130.0	± 9.6 %
		Y	6.00	68.29	17.19		130.0	
		Z	5.69	67.96	17.01		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	x	5.75	68.03	17.13	0.46	130.0	±9.6 %
		-   Y	5.81	67.81	16.96		130.0	
		Z	5.57	67.70	16.89		130.0	
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.85	68.05	17.05	0.46	130.0	± 9.6 %
		Y	5.93	67.91	16.93		130.0	
		Z	5.67	67.73	16.83		130.0	
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.97	68.46	17.38	0.46	130.0	± 9.6 %
		Y	6.05	68.29	17.25		130.0	
		Z	5.74	68.01	17.09		130.0	
10604-	IEEE 802.11n (HT Mixed, 40MHz,	- <del>x</del> -	5.70	67.75	17.03	0.46	130.0	+0.0.0/
AAA	MCS5, 90pc duty cycle)	Y	5.76	67.53	16.86	0.40		± 9.6 %
							130.0	
10605- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.55 5.80	67.48 68.03	16.81 17.16	0.46	130.0 130.0	± 9.6 %
		TY T	5.86	67.81	17.00			
		- T	5.67		17.00		<u>130.0</u>	
10606-	IEEE 802.11n (HT Mixed, 40MHz,	$-\frac{2}{x}$		67.84	17.00		130.0	
AAA	MCS7, 90pc duty cycle)		5.58	67.53	16.79	0.46	130.0	± 9.6 %
		Y Z	5.62 5.41	67.26	16.60		130.0	
				67.19	16.54		130.0	

10607-	IEEE 802.11ac WiFi (20MHz, MCS0,	X	4.86	66.52	16.48	0.46	130.0	± 9.6 %
AAA	90pc duty cycle)		4.00	00.02	10.40	0.40	100.0	1 9.0 %
		Y	4.89	66.14	16.23		130.0	
		Z	4.71	66.27	16.21		130.0	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	5.09	66.96	16.64	0.46	130.0	± 9.6 %
		Ϋ́	5.12	66.58	16.39		130.0	
		Z	4.90	66.67	16.37		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.98	66.85	16.52	0.46	130.0	± 9.6 %
		Y	5.01	66.47	16.26		130.0	
10010		Z	4.79	66.53	16.22		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	5.03	67.01	16.67	0.46	130.0	± 9.6 %
		Y Z	5.06	66.63	16.42		130.0	
10611	IEEE 802.11ac WiFi (20MHz, MCS4,		<u>4.84</u> 4.96	66.68 66.86	16.37	0.40	130.0	1000
10611- AAA	90pc duty cycle)				16.54	0.46	130.0	± 9.6 %
_		Y	4.99	66.50	16.29		130.0	
10612-	IEEE 802.11ac WiFi (20MHz, MCS5,	ZX	<u>4.76</u> 4.97	66.50	16.23	0.40	130.0	+00%
10612- AAA	90pc duty cycle)			67.00	16.58	0.46	130.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	5.01	66.61	16.31		130.0	
10613-	IEEE 802.11ac WiFi (20MHz, MCS6,	Z X	<u>4.77</u> 4.99	66.66 66.94	16.28	0.40	130.0	1000
AAA	90pc duty cycle)	^ Y			16.49	0.46	130.0	± 9.6 %
			5.03	66.55	16.23		130.0 130.0	
10614		Z	4.77	66.56	16.17	0.40		
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.92	67.15	16.73	0.46	130.0	± 9.6 %
		Y	4.95	66.76	16.47		130.0	
40045		Z	4.71	66.71	16.38	0.40	130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.95	66.65	16.31	0.46	130.0	± 9.6 %
		Y	4.99	66.28	16.06		130.0	
10010		Z	4.76	66.36	16.03	0.10	130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.51	67.07	16.65	0.46	130.0	± 9.6 %
<u> </u>		Y	5.55	66.78	16.45		130.0	
1001-		Z	5.35	66.74	16.40		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.58	67.18	16.67	0.46	130.0	± 9.6 %
		Y	5.62	66.89	16.46		130.0	
10010		Z	5.43	66.92	16.46	<u> </u>	130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.47	67.27	16.74	0.46	130.0	±9.6 %
	<u>+</u>	Y	5.50	66.95	16.52		130.0	
		Z	5.31	66.92	16.47	0.10	130.0	1000
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duly cycle)	X	5.49	67.07	16.57	0.46	130.0	± 9.6 %
-		Y	5.52	66.76	16.36		130.0	
40000		Z	5.33	66.76	16.33		130.0	100%
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.62	67.19	16.68	0.46	130.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	5.67	66.93	16.49		130.0	
10051		Z	5.42	66.79	16.40	0.10	130.0	100%
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.59	67.25	16.82	0.46	130.0	± 9.6 %
<u>-</u>		Y	5.63	66.98	16.62		130.0	
		Z	5.41	66.88	16.56		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duly cycle)	X	5.58	67.35	16.86	0.46	130.0	± 9.6 %
		Y	5.62	67.06	16.66		130.0	
		Z	5.43	67.06	16.64		130.0	

10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duly cycle)	X	5.48	66.99	16.57	0.46	130.0	± 9.6 %
		Y	5.54	66.75	16.40		130.0	
		Z	5.31	66.61	16.29		130.0	
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duly cycle)	X	5.65	67.09	16.68	0.46	130.0	± 9.6 %
		Y	5.69	66.81	16.49		130.0	
		Z	5.50	66.79	16.45		130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.03	68.01	17.18	0.46	130.0	± 9.6 %
		Y	6.05	67.65	16.95		130.0	
		Z	5.88	67.81	17.01		130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.76	67.09	16.57	0.46	130.0	± 9.6 %
		Y	5.79	66.81	16.38		130.0	
		Z	5.64	66.79	16.35		130.0	
10627- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	6.01	67.60	16.77	0.46	130.0	± 9.6 %
		Y	6.04	67.32	16.58		130.0	
		Z	5.89	67.37	16.60		130.0	
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.83	67.28	16.56	0.46	130.0	± 9.6 %
		Y	5.87	67.01	16.37		130.0	
		Z	5.69	66.92	16.32		130.0	
10629- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.93	67.36	16.58	0.46	130.0	± 9.6 %
		Y	5.99	67.16	16.43		130.0	
		Z	5.77	67.00	16.35		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.47	69.11	17.45	0.46	130.0	± 9.6 %
		Y	6.56	68.99	17.34		130.0	
		Z	6.24	68.58	17.14		130.0	
10631- AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.36	68.89	17.53	0.46	130.0	± 9.6 %
		Y	6.44	68.71	17.39		130.0	
		Z	6.09	68.24	17.15		130.0	•
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	6.00	67.73	16.97	0.46	130.0	± 9.6 %
		Y	6.05	67.48	16.79		130.0	· · · · · · · · · · · · · · · · · · ·
		Z	5.85	67.39	16.74		130.0	
10633- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duly cycle)	X	5.95	67.59	16.73	0.46	130.0	± 9.6 %
		Y	6.01	67.38	16.58		130.0	
		Z	5.74	67.05	16.41		130.0	
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.92	67.56	16.78	0.46	130.0	± 9.6 %
		Y	5.98	67.34	16.62		_130.0	
		Z	5.72	67.07	16.47		130.0	
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.80	66.87	16.18	0.46	130.0	± 9.6 %
		Y	5.85	66.64	16.01		130.0	
		Z	5.62	66.48	15.93		130.0	
10636- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duly cycle)	X	6.16	67.47	16.65	0.46	130.0	± 9.6 %
		Y	6.19	67.22	16.49		130.0	
		Z	6.06	67.16	16.44		130.0	
10637- <u>A</u> AA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.34	67.89	16.84	0.46	130.0	± 9.6 %
		Y	6.39	67.69	16.69		130.0	
		Z	6.22	67.55	16.62		130.0	
10638- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.33	67.82	16.78	0.46	130.0	±9.6 %
		Y	6.36	67.57	16.61		130.0	
		Z	6.21	67.52	16.58		130.0	

September 19, 2016

10639- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.34	67.88	16.86	0.46	130.0	± 9.6 %
		Y	6.38	67.64	16.70		130.0	
		Z	6.19	67.47	16.60		130.0	
10640- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duly cycle)	X	6.37	67.96	16.84	0.46	130.0	± 9.6 %
		Y	6.42	67.75	16.69		130.0	
		Z	6.20	67.51	16.57		130.0	
10641- AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.36	67.66	16.71	0.46	130.0	± 9.6 %
		Y	6.40	67.44	16.56		130.0	
		Z	6.24	67.40	16.53		130.0	
10642- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.44	68.03	17.05	0.46	130.0	±9.6 %
		Y	6.49	67.81	16.91		130.0	
		Z	6.28	67.62	16.80		130.0	
10643- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.26	67.70	16.80	0.46	130.0	± 9.6 %
		Y	6.31	67.48	16.64		130.0	
		Z	6.12	67.34	16.57		130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.50	68.41	17.18	0.46	130.0	± 9.6 %
		Y	6.57	68.25	17.05		130.0	
		Z	6.29	67.86	16.85		130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.78	68.77	17.29	0.46	130.0	±9.6 %
		Y	6.81	68.48	17.11		130.0	_
		Z	6.68	68.60	17.18		130.0	
10646- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	37.14	116.21	38.03	9.30	60.0	± 9.6 %
		Y	19.95	100.33	33.06		60.0	
		Z	62.05	131.91	43.22		60.0	
10647- AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	38.52	117.84	38.64	9.30	60.0	± 9.6 %
		Y	20.25	101.35	33.50		60.0	
		Z	63.43	133.45	43.81		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	1.03	68.68	14.68	0.00	150.0	± 9.6 %
		Y	0.85	64.54	12.30		150.0	
		Z	0.71	63.65	10.90		150.0	

<sup>E</sup> 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**

PC Test

Client

Schmid & Partner **Engineering AG** Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst

- Service suisse d'étalonnage С
  - Servizio svizzero di taratura
  - Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Certificate No: EX3-3589\_Jan17

## **CALIBRATION CERTIFICATE**

Object	EX3DV4 - SN:3589	
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	BN 201-26
Calibration date:	January 13, 2017	.:
This calibration certificate doc The measurements and the u	uments the traceability to national standards, which realize the physical units of measurements (S ncertainties with confidence probability are given on the following pages and are part of the certific	I). cate.

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	06-Apr-16 (No. 217-02288/02289)	Apr-17
Power sensor NRP-Z91	SN: 103244	06-Apr-16 (No. 217-02288)	Арг-17
Power sensor NRP-Z91	SN: 103245	06-Apr-16 (No. 217-02289)	Apr-17
Reference 20 dB Attenuator	SN: S5277 (20x)	05-Apr-16 (No. 217-02293)	Apr-17
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
Secondary Standards	ID	Check Dale (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-16)	In house check: Oct-17

Calibrated by:	Name Michael Weber		Function Laboratory Technician	Signature
Approved by:	Kalja Pokovic		Technical Manager	blet
	a shall not be reproduced aver	ant in full without a	rillon approval of the laborato	Issued: January 16, 2017

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





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Service suisse d'étalonnage

Accreditation No.: SCS 0108

- С Servizio svizzero di taratura
- S Swiss Calibration Service

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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 $\phi$	φ rotation around probe axis
Polarization 9	9 rotation around an axis that is in the plane normal to probe axis (at measurement center),
	i.e., $\vartheta = 0$ is normal to probe axis

information used in DASY system to align probe sensor X to the robot coordinate system Connector Angle

### 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, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
- c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

#### Methods Applied and Interpretation of Parameters:

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

# Probe EX3DV4

## SN:3589

Manufactured: Calibrated:

March 30, 2006 January 13, 2017

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

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (µV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.45	0.39	0.39	± 10.1 %
DCP (mV) <sup>B</sup>	103.1	103.4	99.2	

#### **Modulation Calibration Parameters**

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Unc <sup>±</sup> (k=2)
0	CW	X	0.0	0.0	1.0	0.00	161.2	±3.3 %
		Y	0.0	0.0	1.0		173.7	
		Z	0.0	0.0	1.0		135.7	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	X	4.33	68.3	14.2	10.00	44.8	±1.9 %
0.01		Y	3.03	64.9	12.6		44.0	
		Z	1.75	59.1	10.5		48.9	
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	10.36	69.2	21.9	8.68	126.5	±2.7 %
		Y	10.35	68.8	21.4		136.4	
		Z	10.74	70.2	22.3		149.4	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	Х	10.30	69.0	21.3	8.07	131.3	±1.9 %
		Υ	10.24	68.6	20.9		140.6	
		Z	9.68	67.3	20.2		105.8	
10196- CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	9.88	68.6	21.2	8.10	125.0	±2.2 %
<u> </u>		Y	9.95	68.5	20.9		134.8	
		Z	9.28	67.0	20.1		100.7	
10400- AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	10.17	68.9	21.6	8.37	125.5	±2.2 %
		Y	10.21	68.7	21.1		134.8	
		Z	9.53	67.2	20.4		100.7	
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duly cycle)	X	10.95	69.6	21.9	8.60	134.0	±2.5 %
		Y	10.86	69.1	21.4		143.2	
		Z	10.34	67.9	20.8		107.9	
10402- AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	11.11	70.0	21.9	8.53	134.7	±2.5 %
		Y	10.77	68.9	21.1		141.7	
		Z	10.46	68.2	20.7		107.7	

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%.

<sup>&</sup>lt;sup>A</sup> The uncertainties of Norm X,Y,Z do not affect the E<sup>2</sup>-field uncertainty inside TSL (see Pages 5 and 6).

 <sup>&</sup>lt;sup>B</sup> Numerical linearization parameter: uncertainty not required.
 <sup>E</sup> Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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)
5250	35.9	4.71	4.78	4.78	4.78	0.30	1.80	<u>± 13.1 %</u>
5600	35.5	5.07	4.24	4.24	4.24	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.44	4.44	4.44	0.40	1.80	<u>± 13.1 %</u>

#### Calibration Parameter Determined in Head Tissue Simulating Media

<sup>c</sup> Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  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  $\pm$  10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity validity can be extended to  $\pm$  110 MHz.

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

the ConvF uncertainty for indicated target tissue parameters. <sup>6</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than  $\pm$  1% for frequencies below 3 GHz and below  $\pm$  2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

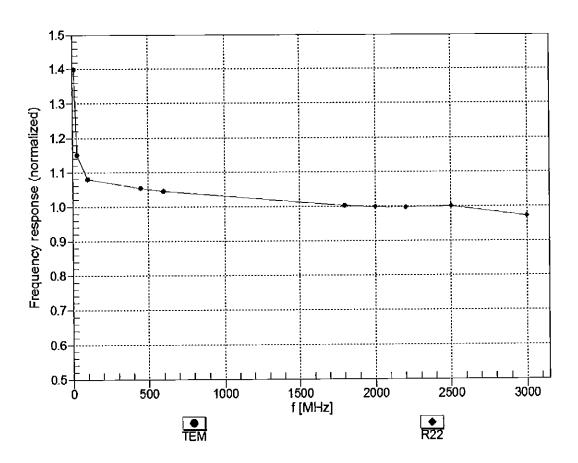
f (MHz) <sup>c</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc <u>(</u> k=2)
5250	48.9	5.36	4.19	4.19	4.19	0.40	1.90	± 13.1 %
5600	48.5	5.77	3.82	3.82	3.82	0.40	1.90	± 13.1 %
5750	48.3	5.94	3.83	3.83	3.83	0.50	1.90	<u>± 13.1 %</u>

#### Calibration Parameter Determined in Body Tissue Simulating Media

<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 validity can be extended to ± 110 MHz. <sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\varepsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to

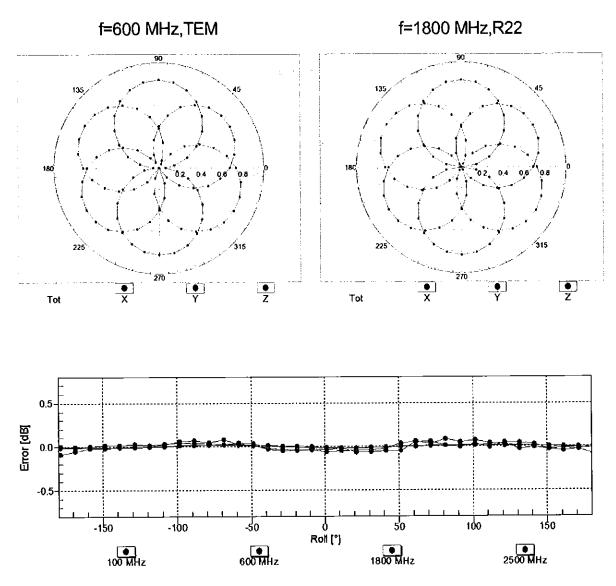
<sup>F</sup> At frequencies below 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters ( $\epsilon$  and  $\sigma$ ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

the ConvF uncertainty for indicated target tissue parameters. <sup>6</sup> Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is <sup>6</sup> always less than  $\pm$  1% for frequencies below 3 GHz and below  $\pm$  2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



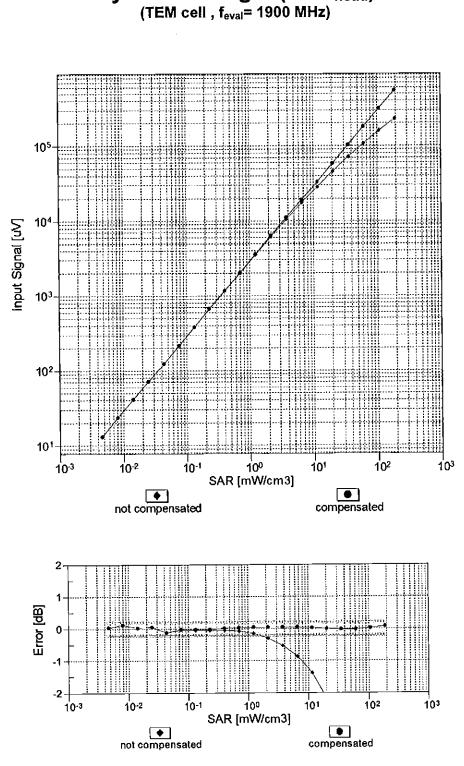
## Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



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

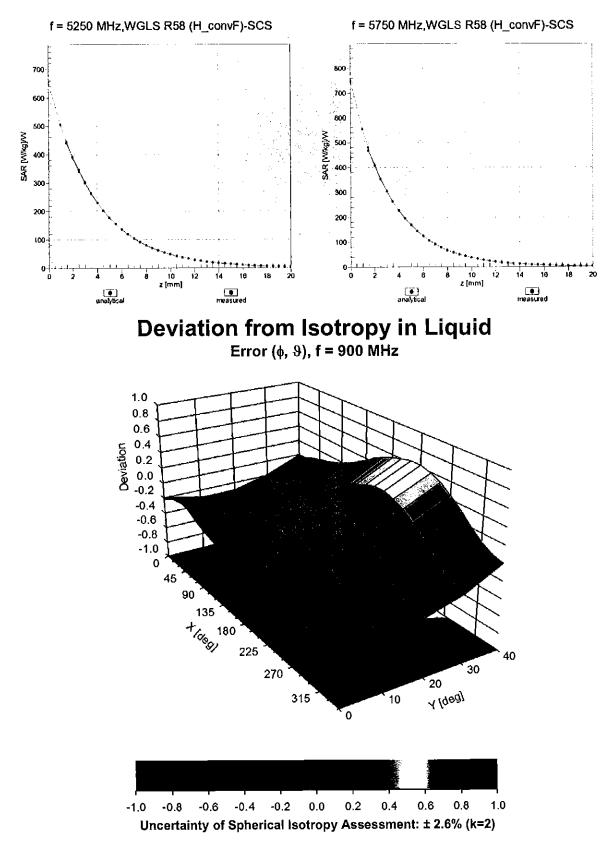
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)



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

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

Certificate No: EX3-3589\_Jan17



## **Conversion Factor Assessment**

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	141.4
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 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
- 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,  $r^2 = \rho^2 + {\rho'}^2 - 2\rho\rho' \cos \phi'$ ,  $\omega$  is the angular frequency, and  $j = \sqrt{-1}$ .

	Composition of the lissue Equivalent Matter											
Frequency (MHz)	750	750	835	835	1750	1750	1900	1900	2450-2600	2450-2600	5200-5800	5200-5800
Tissue	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body	Head	Body
Ingredients (% by weight)												
Bactericide			0.1	0.1								
DGBE					47	31	44.92	29.44		26.7	-	
HEC	Saa 80000		1	1						0.1 See		
NaCl	See page 2-3	See page 2	1.45	0.94	0.4	0.2	0.18	0.39	See page 4		See page 5	
Sucrose	25		57	44.9								
Polysorbate (Tween) 80											]	20
Water			40.45	53.06	52.6	68.8	54.9	70.17		73.2		80

Table D-I Composition of the Tissue Equivalent Matter

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#### 2 Composition / Information on ingredients

The Item is composed of	f the following ingredients:
H <sub>2</sub> O	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.

Measurement Certificate / Material Test

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

#### Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

#### Setup Validation

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

Target Parameters

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

#### **Test Condition**

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

#### Additional Information

TSL Density 1.212 g/cm<sup>3</sup> TSL Heat-capacity 3.006 kJ/(kg\*K)

12.1	Measu	ured		Targe	et .	Diff.to 1	arget [%]	
f [MHz]	6,	e"	sigma	eps	sigma	∆-eps	∆-sigma	10.0
600	57.2	24.76	0.83	56.1	0.95	2.0	-13.2	
625	57.0	24.43	0.85	56.0	0.95	1.7	-11.0	% 7.5 % 15.0 2.5 0.0 0.0 0.5 0.5 0.5 0.5 0.5 0
650	56.7	24.11	0.87	55.9	0.96	1.4	-8.8	E 0.0
675	56.4	23.82	0.89	55.8	0.96	1.1	-6.6	a -2.5
700	56.1	23.53	0.92	55.7	0.96	0.7	-4.5	-5.0
725	55.9	23.32	0.94	55.6	0.96	0.5	-2.2	-7.5
750	55.7	23.12	0.96	55.5	0.96	0.2	0.1	-10.0
775	55.4	22.93	0.99	55.4	0,97	-0.1	2.4	
800	55.1	22.73	1.01	55.3	0.97	-0.4	4.6	Frequency MHz
825	54.9	22.59	1.04	55.2	0.98	-0.7	6.0	
838	54.8	22.52	1.05	55.2	0.98	-0.8	6.7	
850	54.6	22.45	1.06	55.2	0.99	-0.9	7.4	10.0
875	54.4	22.32	1.09	55.1	1.02	-1.2	6.6	¥ 7.5
900	54.1	22.19	1.11	55.0	1.05	-1.6	5.8	A 5.0
925	53.9	22.09	1.14	55.0	1.06	-1.9	6.9	2.5
950	53.7	21.98	1.16	54.9	1.08	-2.2	8.0	% 75 5.0 0.0 0.0 0.0 0.0
975	53.5	21.91	1.19	54.9	1.09	-2.6	9.3	5 -5.0
1000	53.2	21.83	1.21	54.8	1.10	-2.9	10.6	

#### Figure D-2 750MHz Body Tissue Equivalent Matter

FCC ID: ZNFLS998		SAR EVALUATION REPORT	🕕 LG	Approved by: Quality Manager
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#### Measurement Certificate / Material Test

Item Name	Head Tissue Simulating Liquid (HSL750V2)
Product No.	SL AAH 075 AB (Batch: 160322-2)
Manufacturer	SPEAG

#### **Measurement Method**

TSL dielectric parameters measured using calibrated DAK probe.

#### Setup Validation

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

#### **Target Parameters**

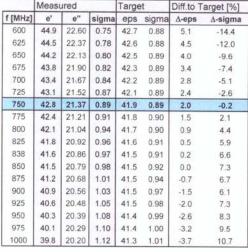
Target parameters as defined in the IEEE 1528 and IEC 62209 compliance standards.

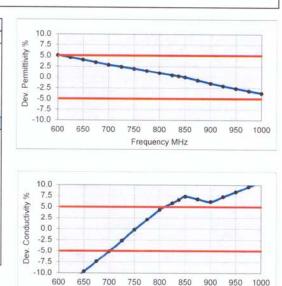
#### **Test Condition**

Ambient	Environment temperatur (22 ± 3)°C and humidity < 70%.
TSL Temperature	
Test Date	23-Mar-16
Operator	WM

## Additional Information

ISL Density	1.284	g/cm <sup>-</sup>	
TSL Heat-capacity	2.701	kJ/(kg*K)	
Measured		Target	Diff.to





Frequency MHz

#### Figure D-3 750MHz Head Tissue Equivalent Matter

	FCC ID: ZNFLS998		SAR EVALUATION REPORT	🕕 LG	Approved by: Quality Manager
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3 Composition / Info	ormation on in	ngredients
The Item is composed of the	he following ingre	dients:
Water	50 - 73 %	
Non-ionic detergents	25 - 50 %	polyoxyethylenesorbitan monolaurate
NaCl	0 - 2%	
Preservative	0.05 - 0.1%	6 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 marked by symbols.	guidelines, the pr	oduct is not a dangerous mixture and therefore not required to be

#### Figure D-4 Composition of 2.4-2.6 GHz Head Tissue Equivalent Matter

**Note:** 2.4-2.6 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.

Item N								HBBL1900-3800V3)		
Produ			SL AAH 196 AB (Batch: 160330-1)							
Manuf	facture	ſ	SPEAG							
Meas	ureme	nt Met	thod							
				s mea	sured	using c	alibrated D	DAK probe.		
Setur	Valida	ation								
			vere w	ithin ±	2.5%	towards	the targe	et values of Methanol.		
								A reason of methodion.		
	t Para			Rev. d. 1						
raigei	paran	reters	as de	sined i	n the l	EEE 15	28 and IE	C 62209 compliance standards.		
	Conditi	on								
Ambie			Envir	onmei	nt tem	peratur	(22 ± 3)°C	C and humidity < 70%.		
Test D	emperate	ature	22°C 30-M	ar-16						
Opera			WM	01-10						
		1	1.02							
	onal In	nform		alar	3		_			
	ensity eat-ca	pacity		g/cm						
7.24	Measu			Targe		Diff.to T	arget [%]			
f [MHz]		0 <sup>14</sup>	sigma		sigma	∆-ерв	∆-sigma	10.0		
1900	40.7	12.3	1.3	40.0	1.4	1.7	-6.9	₽ 7.5 ≩ 5.0		
2000	40.3	12.6	1.4	40.0	1.4	0.8	0.1	4 50 25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
2050	40.1	12.7	1.5	39.9	1.4	0.6	0.5	0.0		
2100	39.9	12.9	1.5	39,8	1.5	0.3	0.9	2.5		
2150	39.8	13.0	1.6	39.7	1.5	0.1	1.2	-5.0		
2200 2250	39.6 39.4	13.1 13.2	1.5	39.6 39.6	1.6 1.6	-0.2	1.7	-7.5		
2300	39.2	13,3	1.7	39.5	1.7	-0.6	2.4	10.0 1900 2100 2300 2500 2700 2900 3100 3300 3500 3700 3900		
2350	39.1	13.5	1.8	39.4	1.7	-0.8	2.9	Frequency MHz		
2400	38.9	13.6	1.8	39.3	1.8	-1.0	3.4	- respectively, resca		
2450	38.7	13.7	1.9	39.2 39.1	1.8	-1.2	4.0			
2550	38.3	13.9	20	39.1	1.9	-1.9	3.9			
2600	38.2	14.1	2.0	39.0	2.0	-2.2	3.9	10.0		
2650	37.9	14,2	2.1	38.9	2.0	-2.6	3.8			
2700 2750	37.8 37.5	14.3 14.4	2.2	38.9 38.8	2.1	-2.8	3.9	25 000 25 25		
2800	37.4	14.4	2.3	38.8	2.1	-3.5	3.6	0.0		
2850	37.2	14.5	2.3	38.7	2.2	-3.9	3.7			
2900	37.0	14.7	2.4	38.6	2.3	-4.1	3.8	§ -50 -75		
2950 3000	36.8	14.8	2.4	38.6 38.5	23 24	4.5	3.7	-7.5		
3050	36.4	15.0	2.5	38.4	2.5	-5.2	3.8	1900 2100 2300 2500 2700 2900 3100 3300 3500 3700 3900		
3100	36.2	15.1	2.6	38.4	2.5	-5.6	3.8	Common Marco		
3150	36.1	15.2	2.7	38.3	2.6	-5.9	4.0	Frequency MHz		
3200 3250	35.9 35.7	15.2 15.3	2.7	38.3 38.2	2.6	-6.2	3.9			
3300	35.5	15.3	2.8	38.2	2.7	-6.9	4.0			
3350	35.4	15.4	2.9	38.1	2.8	-7.2	4.2			
3400	35.2	15.5	2.9	38.0	2.8	-7.5	4.1			
3450	35.0	15.5	3.0	38.0	2.9	-7.8	42			
3550	34.7	15.6	3.1	37.9	3.0	-8.4	42			
3600	34.5	15.7	3.1	37.8	3.0	-8.7	4.4			
3650	34.4	15.8	3.2	37.8	3.1	-9.0	4.3			
		15.8	3.3	37.7	3.1	-9.3	4.5			
3700	34.2				1.1	0.6				
3700 3750 3800	34.2 34.1 33.9	15.9	3.3 3.4	37.6 37.6	3.2	-9.5	4.4			

Figure D-5 2.4-2.6 GHz Head Tissue Equivalent Matter

	FCC ID: ZNFLS998		SAR EVALUATION REPORT	🕕 LG	Approved by: Quality Manager
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#### 2 Composition / Information on ingredients

The Item is composed of the following ingredients:Water50 - 65%Mineral oil10 - 30%

	Elaura D
Sodium salt	0 – 1.5%
Emulsifiers	8 – 25%
	10 00/0

#### Figure D-6 Composition of 5 GHz Head Tissue Equivalent Matter

**Note:** 5GHz 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.

Manul Measi TSL d Setup Valida Targe Targel	Valid					(Ratch-	160331-2						
TSL d Setup Valida Targe Targe Test (	Valid		SPE	AG	AU AU	(Datch.	100331-2						
TSL d Setup Valida Targe Targe Test (	Valid	nt Me	thod										
Valida Targe Targe Test (	Valid			s mea	sured	using c	alibrated [	AK probe.					
Valida Targe Targe Test (	· · · · · · · · · ·	ation											
Targe Targe Test (	tion re	sults v	vere w	rithin ±	2.5%	toward	s the targe	values of	Metha	anol.			
Targel													-
Test (	t para	neters	s as de	fined	in the l	EEE 15	28 and IF	62209 co	molia	nco stan	dardo		
								OLLOO GO	- ipilo	nee starn	Jarus.		
Ambie		ion	Envir	onme	nt tem	neratur	(22 + 3)00	and humid	by a T	700/			
		ature	22°C	onnio		peratur	(22 ± 5) C	anu numiu	ity < 1	0%.			
Test D			4-Apr	r-16									
Opera	tor		WM										
		nform	ation										
	ensity			g/cm									
I SL H	eat-ca	pacity	3.383	s KJ/(k	g*K)	_			-	_		_	
	Measu	ured		Targe	t	Diff.to T	arget [%]	-					
f [MHz]	e'	e"	sigma		sigma		∆-sigma	10.0 % 7.5	_				
3400 3500	39.0 38.8	15.12	2.86	38.0	2.81	2.5	1.8		_				
3600	38.7	15.08	3.02	37.8	3.02	2.3	0.2	Aunitinity 2.5 0.0					
3700	38.6	15.08	3.10	37.7	3.12	2.4	-0.6						******
3800 3900	38.4 38.3	15.07	3.19	37.6 37.5	3.22 3.32	2.2	-0.9	-2.5 0					
4000	38.2	15.10	3.36	37.4	3.43	2.3	-1.6	-5.0		1			
4100	38.1	15.13	3.45	37.2	3.53	2.3	-2.2	-10.0					
4200	38.0	15.18	3.55	37.1	3.63	2.3	-2.2	34	00	3900	4400 4900	5400	5900
4300 4400	37.8 37.7	15.22	3.64 3.74	37.0 36.9	3.73 3.84	2.1	-2.5 -2.5				Frequency MHz		
4500	37.6	15.34	3.84	36.8	3.94	2.2	-2.5						
4600	37.4	15.41	3.94	36.7	4.04	2.0	-2.5	10.0					
4700 4800	37.3 37.1	15.47	4.05	36.6	4.14	2.0	-2.2	7.5					
4800	37.1	15.53	4.15	36.4	4.25	1.8	-2.2	ə <sup>ę</sup> 5.0	_	-		_	
4900	37.0	15.60	100000	36.3	4.35	1.8	-2.2	Conductivity 5 2 0 6 0 7 0 7 0	~				
4950	36.9	15.62	4.30	36.3	4.40	1.7	-2.2	0.0 uque					
5000 5050	36.8 36.8	15.66 15.68	4.35	36.2 36.2	4.45	1.6 1.8	-2.2	5 -2.5 O -5.0					
5100	36.8	15.68	4.40	36.2	4.50	1.8	-2.2	ABQ -7.5					
5150	36.6	15.75	4.51	36.0	4.60	1.5	-2.0	-10.0	100	3900	4400 4900	E #00	Ener
5200	36.5 36.4	15.78	4.57	36.0	4.66	1.4	-1.8	34	00	3900	4400 4900 Frequency MHz	5400	5900
5250 5300	36.4 36.4	15.80 15.84	4.62	35.9 35.9	4.71 4.76	1.3	-1.8 -1.8						
5350	36.3	15.85	4.72	35.8	4.81	1.4	-1.8						
5400	36.2	15.88	1000	35.8	4.86	1.2	-1.9						
5450 5500	36.2 36.1	15.90 15.91	4.82	35.7 35.6	4.91	1.4	-1.9						
5550	36.0	15.95	4.93	35.6	5.01	1.2	-1.9						
5600	35.9	15.99	4.98	35.5	5.07	1.0	-1.7						
5650 5700	35.9 35.8	16.02 16.05	5.04 5.09	35.5 35.4	5.12 5.17	1.2	-1.5						
5700	35.8	16.05	5.09	35.4	5.17	1.1	-1.5 -1.3						
5800	35.7	16.10	5.20	35.3	5.27	1.1	-1.3						
5850	35.6 35.5	16.14 16.15	5.25 5.30	35.3 35.3	5.34 5.40	0.8	-1.6						

#### Figure D-7 5GHz Head Tissue Equivalent Matter

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### APPENDIX E: SAR SYSTEM VALIDATION

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

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

	SAR System validation summary – 1g														
SAR	FREQ.		PROBE	PROBE			COND.	PERM.	CI	W VALIDATIO	N	MC	DD. VALIDATIO	N	
SYSTEM #	[MHz]	DATE	SN	TYPE	PROBE C.	AL. POINT	(σ)	(ɛr)	SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR	
J	750	6/21/2017	3209	ES3DV3	750	Head	0.868	39.874	PASS	PASS	PASS	N/A	N/A	N/A	
К	835	5/2/2017	7406	EX3DV4	835	Head	0.896	40.478	PASS	PASS	PASS	GMSK	PASS	N/A	
Н	1750	3/22/2017	3318	ES3DV3	1750	Head	1.338	38.950	PASS	PASS	PASS	N/A	N/A	N/A	
Н	1900	3/13/2017	3318	ES3DV3	1900	Head	1.441	39.998	PASS	PASS	PASS	GMSK	PASS	N/A	
I	2450	6/1/2017	3213	ES3DV3	2450	Head	1.876	40.253	PASS	PASS	PASS	OFDM/TDD	PASS	PASS	
I	2600	6/1/2017	3213	ES3DV3	2600	Head	2.059	39.650	PASS	PASS	PASS	TDD	PASS	N/A	
Н	5250	6/10/2017	3914	EX3DV4	5250	Head	4.580	35.029	PASS	PASS	PASS	OFDM	N/A	PASS	
Н	5600	6/10/2017	3914	EX3DV4	5600	Head	4.940	34.501	PASS	PASS	PASS	OFDM	N/A	PASS	
Н	5750	6/10/2017	3914	EX3DV4	5750	Head	5.103	34.300	PASS	PASS	PASS	OFDM	N/A	PASS	
J	750	6/14/2017	3209	ES3DV3	750	Body	0.963	56.405	PASS	PASS	PASS	N/A	N/A	N/A	
I	835	4/24/2017	3213	ES3DV3	835	Body	0.991	53.903	PASS	PASS	PASS	GMSK	PASS	N/A	
К	1750	5/1/2017	7406	EX3DV4	1750	Body	1.514	51.685	PASS	PASS	PASS	N/A	N/A	N/A	
J	1900	6/15/2017	3209	ES3DV3	1900	Body	1.552	52.203	PASS	PASS	PASS	GMSK	PASS	N/A	
G	2450	9/28/2016	3287	ES3DV3	2450	Body	2.030	50.891	PASS	PASS	PASS	OFDM/TDD	PASS	PASS	
G	2600	9/27/2016	3287	ES3DV3	2600	Body	2.236	50.316	PASS	PASS	PASS	TDD	PASS	N/A	
D	5250	2/2/2017	3589	EX3DV4	5250	Body	5.422	47.823	PASS	PASS	PASS	OFDM	N/A	PASS	
D	5600	2/2/2017	3589	EX3DV4	5600	Body	5.882	47.193	PASS	PASS	PASS	OFDM	N/A	PASS	
D	5750	2/2/2017	3589	EX3DV4	5750	Body	6.117	46.985	PASS	PASS	PASS	OFDM	N/A	PASS	

Table E-I SAR System Validation Summary – 1g

 Table E-II

 SAR System Validation Summary – 10g

SAR	FREQ.		PROBE	PROBE		PROBE CAL. POINT		PERM.	CI	<b>W VALIDATIO</b>	Ν	MOD. VALIDATION			
SYSTEM	[MHz]	DATE	SN	TYPE	PROBE C/			(ɛr)	SENSITIVITY	PROBE	PROBE	MOD.	DUTY	PAR	
#			31	TIFE				(13)	SENSITIVITT	LINEARITY	ISOTROPY	TYPE	FACTOR	FAN	
D	5250	2/2/2017	3589	EX3DV4	5250	Body	5.422	47.823	PASS	PASS	PASS	OFDM	N/A	PASS	
D	5600	2/2/2017	3589	EX3DV4	5600	Body	5.882	47.193	PASS	PASS	PASS	OFDM	N/A	PASS	

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

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## APPENDIX G: WIFI POWER REDUCTION VERIFICATION

This device was tested by the test lab to verify power reduction in WIFI power levels when audio is routed through the ear-piece of the device.

#### G1. **Test Procedure**

The following procedure was utilized to verify power reduction in normal operating conditions:

- The WIFI antenna of the DUT is connected via a conducted connection to a CMW500 with WIFI 1. signaling and measurement functions.
- 2. A WIFI data transmission is initiated and WIFI power is measured by the CMW500.
- 3. The DUT is connected via a radiated connection to a second CMW500 and a speech call is initiated, simultaneously with the WIFI data transmission.
- 4. Audio is verified to be routed through the held-to-ear speaker and the WIFI power is measured. The speakerphone is toggled on and off to ensure power reduction is reactivated when audio is restored to the held-to-ear speaker.
- 5. The WIFI powers are measured and compared to the reduced power levels to verify the WIFI power reduction mechanism.
- 6. Repeat for each WIFI mode (e.g. 802.11b, 802.11g, etc...) supported by the DUT.

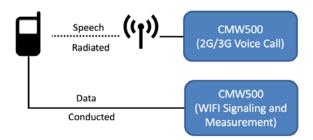


Figure 1 – Verification of WIFI Power Reduction

#### G2. Verification Data Summary

The WIFI power reduction mechanism was verified under the above test procedures and conditions. The maximum and reduced WIFI power levels were within the tune-up range.

			Jata Summa	ary of Power	Reduction		
FCC ID	Antenna	Mode	Channel	Target Max Power (dBm)	Measured Power (dBm)	Target Reduced Power (dBm)	Measured Power (dBm)
	1	802.11b	6	18.00	18.86	16.00	16.98
ZNFLS998	1	802.11g	6	17.00	17.98	16.00	16.94
ZINFLO990	2	802.11b	6	17.50	18.10	16.00	16.30
	2	802.11g	6	17.00	17.02	16.00	16.04

Maximum Allowed Output Power: Target Power +1 dB

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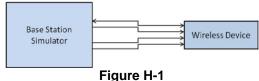
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## APPENDIX H:CONDUCTED POWERS FOR 4X4 DL MIMO

This device supports downlink 4x4 MIMO operations for LTE Bands 25 and 41 only. Uplink transmission is limited to a single output stream. Power measurements were performed with downlink 4x4 MIMO active for the configuration with highest measured maximum conducted power with 4x4 downlink MIMO inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band. Per FCC Guidance, SAR for downlink 4x4 MIMO was not needed since the maximum average output power in 4x4 downlink MIMO mode was not > 0.25 dB higher than the maximum output power with downlink 4x4 MIMO inactive. When carrier aggregation is applicable, power measurements were performed with the downlink carrier aggregation and 4x4 DL MIMO active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

#### H.1 Single Carrier 4x4 Downlink MIMO

	Table H-1 Additional Maximum Output Powers														
LTE Band	Bandwidth [MHz]	Channel	Frequency [MHz]	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power [dBm]	Single Antenna Tx. Power [dBm]	Target Power [dBm]						
25	5	26065	1852.5	QPSK	1	0	25.19	25.19	24.7						
41 (PC3)			2593	QPSK	1	0	24.11	24.20	24.2						
44 (DCO)	1 (PC2) 20 40620		2593	QPSK	1	0	26.98	27.00	26.5						



Power Measurement Setup

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## H.2 Carrier Aggregation Scenarios with 2 Component Carriers with 4x4 Downlink MIMO

PC Powe LTE Single PCC (UL) PCC UL PCC (DL) scc SCC (DL) PCC PCC (UL) PCC UL# PCC (DL) DL Antenna SCC (DL) DL Antenna LTE Tx.Power with DL Carrier Tx PCC Band Frequence [MHz] RB Offset Frequence [MHz] Combination SCC B Channel RB Channel Configuration Chan Configuration CA Enabled (dBm) Power [MHz] [MHz] [MHz] (dBm) CA\_25A-25A LTE B25 26065 1852.5 QPSK 8065 1932.5 4x4 MIMO LTE B25 8665 1992.5 4x4 MIMO 0 CA 25A-25A LTE B25 26065 1852.5 QPSK 1 0 8065 1932.5 4x4 MIMO LTE B25 8665 1992.5 2x2 MIMO 25.07 25.19 26065 QPSK 8065 1932.5 2x2 MIMO LTE B25 8665 4x4 MIMO 1852.5 1992.5 CA\_25A-25A LTE B25 0 25.11 1 25.19 CA 41C(1 LTE B41 40620 QPSK 40620 4x4 MIMO LTE B41 40422 2573.2 4x4 MIMO 24.1 LTE B41 24.18 CA 41A-41A(1) LTE B41 20 40620 2593 OPSK 1 0 40620 2593 4x4 MIMO 5 39675 2498.5 2x2 MIMO 24.20 LTE B41 20 1 2593 LTE B41 5 24.13 24.20 CA 41A-41A(1) 40620 2593 OPSK 0 40620 2x2 MIMO 39675 2498.5 4x4 MIMO

 Table H-2

 Additional Maximum Output Powers – 2 Component Carriers Power Class 3

Table H-3

Additional Maximum Output Powers – 2 Component Carriers Power Class 3, ULCA

				PCC							SCC				Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	CA & 4x4 DL MIMO Enabled (dBm)	Single Carrier Target Power (dBm) [Tolerance: +0.5/-1.5 dB]
CA_41C	LTE B41	20	40620	2593.0	QPSK	1	0	LTE B41	20	40422	2573.2	QPSK	1	99	24.68	24.20

 Table H-4

 Additional Maximum Output Powers – 2 Component Carriers Power Class 2

					PCC							SC	C			Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB		PCC (DL) Channel		DL Antenna Configuration	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	DL Antenna Configuration	LTE Tx.Power with DL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_41C (1)	LTE B41 (PC2)	20	40620	2593	QPSK	1	0	40620	2593	4x4 MIMO	LTE B41	20	40422	2573.2	4x4 MIMO	27.00	27.00
CA_41A-41A (1)	LTE B41 (PC2)	20	40620	2593	QPSK	1	0	40620	2593	4x4 MIMO	LTE B41	5	39675	2498.5	2x2 MIMO	26.89	27.00
CA_41A-41A (1)	LTE B41 (PC2)	20	40620	2593	QPSK	1	0	40620	2593	2x2 MIMO	LTE B41	5	39675	2498.5	4x4 MIMO	26.99	27.00

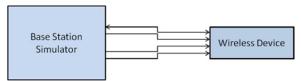


Figure H-2 Power Measurement Setup

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## H.3 Carrier Aggregation Scenarios with 3 Component Carriers with 4x4 Downlink MIMO

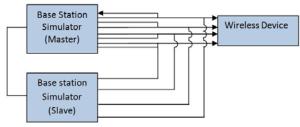
Table H-5										
Additional Maximum Output Powers – 3 Component Carriers Power Class 3										
PCC	SCC 1		SCC 2							

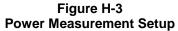
	PLL										3001				300 2					Power		
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]		SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	DL Antenna Configurat ion	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	DL Antenna Configurat ion		LTE Single Carrier Tx Power (dBm)
CA_41A-41C	LTE B41	20	40620	2593	QPSK	1	0	40620	2593	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	24.12	24.20
CA_41A-41C	LTE B41	20	40620	2593	QPSK	1	0	40620	2593	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	24.10	24.20
CA_41C-41A	LTE B41	20	40620	2593	QPSK	1	0	40620	2593	2x2 MIMO	LTE B41	20	40422	2573.2	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	24.13	24.20
CA_41C-41A	LTE B41	20	40620	2593	QPSK	1	0	40620	2593	4x4 MIMO	LTE B41	20	40422	2573.2	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	24.13	24.20

 Table H-6

 Additional Maximum Output Powers – 3 Component Carriers Power Class 2

	PCC								SCC 1					SCC 2					Power				
Com	bination	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	PCC (DL) Channel	PCC (DL) Frequency [MHz]		SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	DL Antenna Configurat ion	SCC Band	SCC Bandwidth [MHz]	SCC (DL) Channel	SCC (DL) Frequency [MHz]	DL Antenna Configurat ion		LTE Single Carrier Tx Power (dBm)
CA_	41A-41C	LTE B41 (PC2)	20	40620	2593	QPSK	1	0	40620	2593	4x4 MIMO	LTE B41	20	41292	2660.2	2x2 MIMO	LTE B41	20	41490	2680	2x2 MIMO	26.98	27.00
CA_	41A-41C	LTE B41 (PC2)	20	40620	2593	QPSK	1	0	40620	2593	2x2 MIMO	LTE B41	20	41292	2660.2	4x4 MIMO	LTE B41	20	41490	2680	4x4 MIMO	27.00	27.00
CA	41C-41A	LTE B41 (PC2)	20	40620	2593	QPSK	1	0	40620	2593	2x2 MIMO	LTE B41	20	40422	2573.2	2x2 MIMO	LTE B41	20	41490	2680	4x4 MIMO	26.98	27.00
CA_	41C-41A	LTE B41 (PC2)	20	40620	2593	QPSK	1	0	40620	2593	4x4 MIMO	LTE B41	20	40422	2573.2	4x4 MIMO	LTE B41	20	41490	2680	2x2 MIMO	26.90	27.00





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