Calibration Laboratory of

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





S Schweizerischer Kalibrierdienst

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

Accreditation No.: SCS 0108

Certificate No: EX3-3914_Feb19

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Client	PC Test

CALIBRATION	CERTIFICATE
Object	EX3DV4 - SN:3914
Calibration procedure(s)	QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes
Calibration date:	February 19, 2019 02-26-2019
2	suments the traceability to national standards, which realize the physical units of measurements (SI). ncertainties with confidence probability are given on the following pages and are part of the certificate.
All calibrations have been co	inducted in the closed laboratory facility: environment temperature (22 \pm 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	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

	Name	Function	Signature
Calibrated by:	Jeton Kastrati	Laboratory Technician	
		L.	
Approved by:	Katja Pokovic	Technical Manager	A.K.
			Issued: February 20, 2019
This calibration certificate	e shall not be reproduced except in fu	ull without written approval of the labo	pratory.

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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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization 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 E²-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).

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.46	0.41	0.44	± 10.1 %
DCP (mV) ^B	98.0	104.4	100.8	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	135.8	± 3.3 %	± 4.7 %
		Y	0.00	0.00	1.00		149.1		
		Z	0.00	0.00	1.00		130.4		
10352-	Pulse Waveform (200Hz, 10%)	X	11.50	82.25	17.46	10.00	60.0	±2.9 %	± 9.6 %
AAA		Y	13.06	84.85	18.88		60.0	1	
		Z	15.00	85.74	19.04		60.0	1	
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	85.61	17.12	6.99	80.0	± 1.7 %	± 9.6 %
AAA		Y	15.00	87.20	18.40		80.0]	
		Z	15.00	86.88	18.11		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	85.07	15.18	3.98	95.0	± 1.1 %	± 9.6 %
AAA		Y	15.00	89.57	18.09		95.0		
		Z	15.00	87.22	16.52		95.0]	
10355-	Pulse Waveform (200Hz, 60%)	X	0.82	65.05	7.38	2.22	120.0	± 1.2 %	± 9.6 %
AAA		Y	15.00	94.17	19.03		120.0		
		Z	15.00	84.14	13.59		120.0		
10387-	QPSK Waveform, 1 MHz	Х	0.56	60.35	7.26	0.00	150.0	± 2.8 %	± 9.6 %
AAA		Y	0.80	64.04	10.54		150.0]	
		Z	0.51	60.00	6.79		150.0		
10388-	QPSK Waveform, 10 MHz	Х	2.18	68.24	15.67	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Y	2.41	70.06	16.91		150.0		
		Z	2.04	67.38	15.28		150.0		
10396-	64-QAM Waveform, 100 kHz	Х	2.71	69.05	18.06	3.01	150.0	±0.7 %	± 9.6 %
AAA		Y	3.50	74.05	20.22		150.0		
		Z	2.76	69.32	18.16		150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.50	67.38	15.86	0.00	150.0	± 2.2 %	± 9.6 %
AAA		Υ	3.57	67.89	16.25		150.0		
		Z	3.38	66.82	15.58		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.87	65.94	15.72	0.00	150.0	± 4.2 %	± 9.6 %
AAA		Y	4.84	65.99	15.74		150.0		
		Z	4.71	65.47	15.46		150.0		

Note: For details on UID parameters see Appendix

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

 ^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).
 ^B Numerical linearization parameter: uncertainty not required.
 ^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the statement. field value.

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V⁻²	T2 ms.V⁻¹	T3 ms	T4 V⁻²	T5 V ⁻¹	Т6
Х	42.5	324.17	36.82	9.95	0.55	5.06	0.00	0.49	1.01
Y	42.9	310.45	33.81	12.34	0.63	5.02	2.00	0.15	1.01
Z	39.7	301.66	36.55	9.75	0.75	5.05	0.45	0.44	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	0.5
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
	1

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
6	55.5	0.75	21.24	21.24	21.24	0.00	1.00	± 13.3 %
13	55.5	0.75	18.06	18.06	18.06	0.00	1.00	± 13.3 %
750	41.9	0.89	10.00	10.00	10.00	0.54	0.82	± 12.0 %
835	41.5	0.90	9.50	9.50	9.50	0.50	0.86	± 12.0 %
1750	40.1	1.37	8.16	8.16	8.16	0.41	0.80	± 12.0 %
1900	40.0	1.40	7.80	7.80	7.80	0.40	0.84	± 12.0 %
2300	39.5	1.67	7.44	7.44	7.44	0.37	0.84	± 12.0 %
2450	39.2	1.80	7.13	7.13	7.13	0.39	0.86	± 12.0 %
2600	39.0	1.96	7.11	7.11	7.11	0.39	0.89	± 12.0 %
3500	37.9	2.91	6.99	6.99	6.99	0.25	1.20	± 13.1 %
3700	37.7	3.12	6.75	6.75	6.75	0.25	1.20	± 13.1 %
5250	35.9	4.71	5.19	5.19	5.19	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.73	4.73	4.73	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.90	4.90	4.90	0.40	1.80	± 13.1 %

Calibration Parameter Determined in Head Tissue Simulating Media

^c 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. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to \pm 110 MHz.

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

The ConvF uncertainty for indicated target tissue parameters. ⁶ 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.

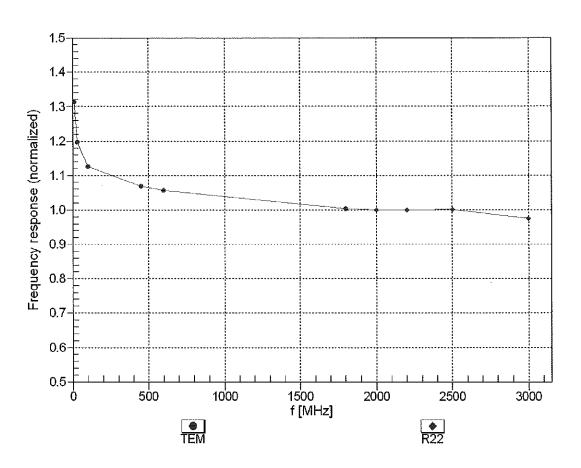
f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	9.73	9.73	9.73	0.54	0.84	± 12.0 %
835	55.2	0.97	9.46	9.46	9.46	0.50	0.80	± 12.0 %
1750	53.4	1.49	7.89	7.89	7.89	0.38	0.84	± 12.0 %
1900	53.3	1.52	7.60	7.60	7.60	0.29	1.03	± 12.0 %
2300	52.9	1.81	7.43	7.43	7.43	0.38	0.84	± 12.0 %
2450	52.7	1.95	7.34	7.34	7.34	0.33	0.87	± 12.0 %
2600	52.5	2.16	7.15	7.15	7.15	0.26	0.97	± 12.0 %
3500	51.3	3.31	6.88	6.88	6.88	0.25	1.15	± 13.1 %
3700	51.0	3.55	6.58	6.58	6.58	0.30	1.15	± 13.1 %
5250	48.9	5.36	4.61	4.61	4.61	0.50	1.90	± 13.1 %
5600	48.5	5.77	3.92	3.92	3.92	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.05	4.05	4.05	0.50	1.90	± 13.1 %

Calibration Parameter Determined in Body Tissue Simulating Media

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ϵ and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters. ^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

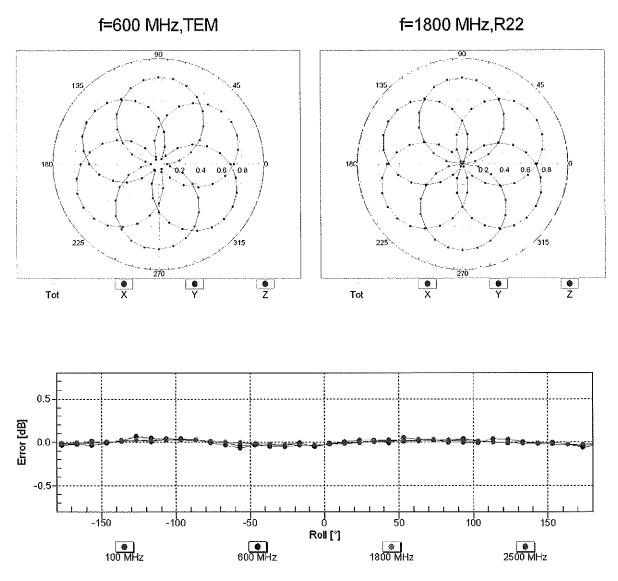
^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from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



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

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

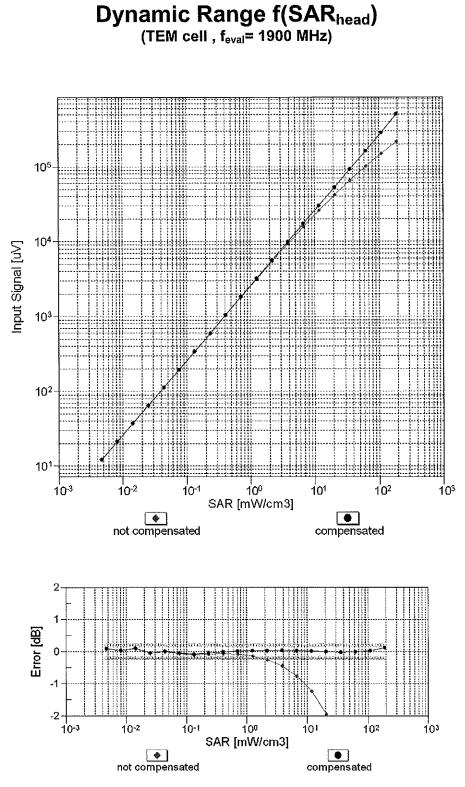
Certificate No: EX3-3914_Feb19



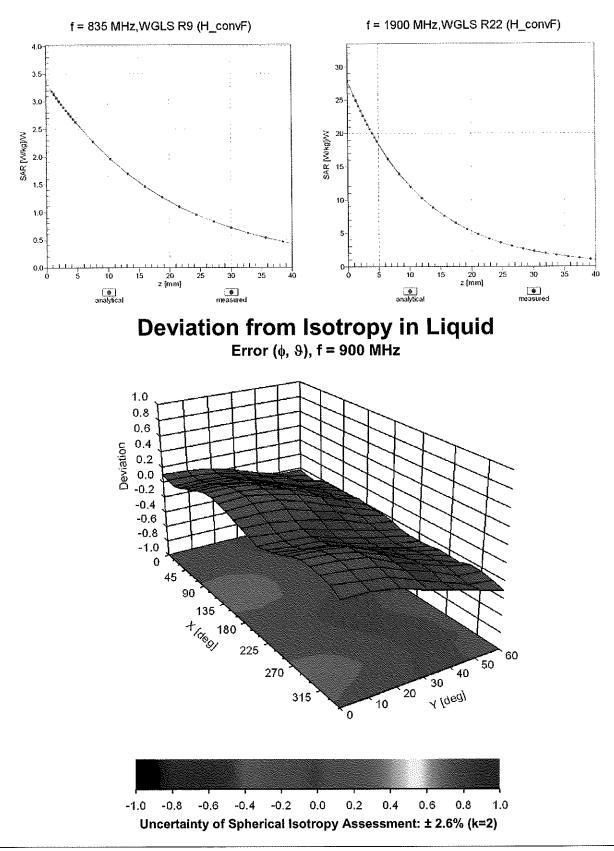
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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

February 19, 2019



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



Conversion Factor Assessment

EX3DV4-SN:3914

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
0		CW	CW	0.00	±4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9,55	±9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6%
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6%
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6%
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 %
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 %
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6 %
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6 %
10076	CAB	IEEE 802.11g WiFI 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10105					

	r = - =		1		
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6%
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6%
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6%
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6 %
10118	CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	± 9.6 %
10142	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6,79	± 9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5,73	± 9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10170	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172		LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG		LTE-FDD	5.72	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, T RB, 10 MHz, TO-QAM) LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10177	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	6.52	$\pm 9.6\%$ $\pm 9.6\%$
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6\%$
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
		LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 04-QAM)	LTE-FDD	5.72	± 9.6 %
10181	CAE		LTE-FDD	6.52	± 9.6 %
		LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.52	± 9.6 %
10183	AAD				$\pm 9.6\%$ $\pm 9.6\%$
10184	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	
10185	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	$\pm 9.6\%$
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	$\pm 9.6\%$
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	$\pm 9.6\%$
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194		IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198 10219	CAC CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN WLAN	8.27 8.03	± 9.6 % ± 9.6 %

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10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6 %
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6 %
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10241	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6 %
10243	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10245	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6 %
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	± 9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6 %
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	± 9.6 %
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	± 9.6 %
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	± 9.6 %
10200	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	± 9.6 %
				0.00	

10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	± 9.6 %
10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	WiMAX	12.57	±9.6 %
10303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6 %
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.67	± 9.6 %
10307	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	WIMAX	14.49	± 9.6 %
10308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	±9.6 %
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	± 9.6 %
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	Wimax	14.57	± 9.6 %
10311	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313	AAA	IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA	iDEN 1:6	IDEN	13.48	±9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6 % ± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN WLAN	8.37 8.60	± 9.6 %
10401 10402	AAD AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle) IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 %
10402	AAD	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.77	± 9.6 %
10404	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10400	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
		Subframe=2,3,4,7,8,9, Subframe Conf=4)			
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	± 9.6 %
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	± 9.6 %
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)		8.60	± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10448	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	± 9.6 %
10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
<u>10459</u> 10460	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers) UMTS-FDD (WCDMA, AMR)	CDMA2000	8.25	± 9.6 %
10460	AAA AAA	LTE-TDD (WCDMA, AMR)	UCDMA	2.39 7.82	$\pm 9.6\%$
10401		Subframe=2,3,4,7,8,9)		7.82	± 9.6 %
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	± 9.6 %
10463	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
10464	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,2,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10466	AAB	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10467	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10468	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10469	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL	LTE-TDD	8.56	± 9.6 %
10470	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10471	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10472	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10473	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL	LTE-TDD	7.82	± 9.6 %
10474	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10475	AAE	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10477	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL	LTE-TDD	8.32	± 9.6 %
10478	AAF	Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL	LTE-TDD	8.57	± 9.6 %
10479		Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
10479		Subframe=2,3,4,7,8,9)			
		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	± 9.6 %
10481		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
10482	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	± 9.6 %
10483	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	± 9.6 %
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	± 9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL	LTE-TDD	7.74	± 9.6 %
		Subframe=2,3,4,7,8,9)		l	

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10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10497	ΑΑΑ	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10498	ААА	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6 %
10499	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6 %
10500	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6 %
10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6 %
10503	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6 %
10504	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10505	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10506	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6 %
10507	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	± 9.6 %
10508	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	± 9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	± 9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8,45	±9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6 %
10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10528	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8,36	± 9.6 %
10529		IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.43	± 9.0 %
	AAB		WLAN	8.29	$\pm 9.6\%$
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN		
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)		8.38	± 9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.45	± 9.6 %

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10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6%
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6 %
10540	AAB	IEEE 802.11ac WiFI (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WIFI (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6%
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN		±9.6%
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)		8.50	±9.6 %
			WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFI (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6%
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6%
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
		cvcle)		0	
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6 %
		cvcle)		0,10	10.0 %
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	± 9.6 %
10000	1,000	cycle)	4 ¥ I	0.15	1 3.0 %
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
10001	1.000	cycle)	AA TUUN	0.00	1 9.0 %
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
10000		cycle)	VYLAIN	0.57	± 9.0 %
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	0.40	100%
10009			VVLAN	8.10	± 9.6 %
10570	AAA	cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty		0.00	1.0.0.04
10570	AAA		WLAN	8.30	± 9.6 %
40574					
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9,6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9,6 %
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6 %
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	±9.6 %
	l	cycle)			ļ
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	±9.6 %
		cycle)			
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
	1	cycle)			
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
		cycle)			
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	± 9.6 %
		cycle)			
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	±9.6 %
		cvcle)		1	
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	±9.6 %
		cycle)	1 T Im/ 31 1	0.00	
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	±9.6 %
10002		cycle)	4 Y L-11 V	0.07	1 1 3.0 %
10583		IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)		0 50	+060/
	AAB		WLAN	8.59	± 9.6 %
10584		IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10586	AAB AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10587		IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %

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10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6%
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	<u>±9.6 %</u>
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	<u>± 9.6 %</u>
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10624	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10645	AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, 0L Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647		CDMA2000 (1x Advanced)	CDMA2000	3.45	± 9.6 %
	AAA	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	± 9.6 %
10652		LTE-TDD (OFDMA, 3 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	± 9.6 %
10653 10654		LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	± 9.6 %
10004	AAD		1	0.00	1 2 0.0 70

EX3DV4-- SN:3914

February 19, 2019

10655	AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	± 9.6 %
10658	AAA	Pulse Waveform (200Hz, 10%)	Test	10.00	± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %

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

Calibration Laboratory of Schmid & Partner Engineering AG

PC Test

Client

Zeughausstrasse 43, 8004 Zurich, Switzerland

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

A

Accreditation No.: SCS 0108

S

С

S

Client	PC Test		Certificate No: EX3-7308_Aug18
CAL	BRATION	CERTIFICATE	
Object		EX3DV4 - SN:7308	
Calibratio	on procedure(s)	QA CAL-01:v9, QA CAL-14:v4, QA Calibration procedure for dosimetal	CAI-23:v5, QA CAL-25.v6 c.E.flield probes
Calibratio	on date:		09-06-20
This calit The mea	pration certificate docur surements and the unc	nents the traceability to national standards, which rea ertainties with confidence probability are given on the	alize the physical upite of measurements (a)

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.)	
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Scheduled Calibration
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Apr-19
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18 Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-17)	In house check: Jun-20
			In house check: Oct-18

.	Name	Function	Signature	
Calibrated by:	Jeton Kastrati	Laboratory Technician	Acl	1
Approved by:	Katja Pokovic		le	Ľ,
			Issued: August 24	2019

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



S Schweizerischer Kalibrierdienst

- C Service suisse d'étalonnage
- S Servizio svizzero di taratura
- 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:

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
Compositor Analy	

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization 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 E²-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).

Accreditation No.: SCS 0108

Probe EX3DV4

SN:7308

Manufactured: Calibrated:

March 11, 2014 August 23, 2018

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

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.49	0.60	0.44	± 10.1 %
DCP (mV) ^B	99.6	97.1	102.5	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dBõV	C	DdB	VR mV	Unc ^E (k=2)
0	CW	x	0.0	0.0	1.0	0.00	177.2	±3.5 %
		Y	0.0	0.0	1.0		165.4	
		Z	0.0	0.0	1.0		159.6	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V⁻²	T2 ms.V ^{~1}	T3 ms	T4 V⁻²	T5 V ⁻¹	T6
<u> </u>	53.71	401.2	35.76	12.80	0.351	5.077	0.717	0.413	1.005
<u>Y</u>	56.67	439.8	38.08	13.44	0.524	5.100	0.000	0.597	1.012
Z	40.98	304.1	35.29	8.573	0.334	5.045	1.531	0.174	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%.

^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).

^e Numerical linearization parameter: uncertainty not required.

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

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	10.23	10.23	10.23	0.57	0.81	± 12.0 %
835	41.5	0.90	9.96	9.96	9.96	0.58	0.81	± 12.0 %
1750	40.1	1.37	8.66	8.66	8.66	0.36	0.80	± 12.0 %
1900	40.0	1.40	8.26	8.26	8.26	0.29	0.85	± 12.0 %
2300	39.5	1.67	7.81	7.81	7.81	0.29	0.85	± 12.0 %
2450	39.2	1.80	7.45	7.45	7.45	0.35	0.91	± 12.0 %
2600	39.0	1.96	7.30	7.30	7.30	0.35	0.87	± 12.0 %
5250	35.9	4.71	5.10	<u>5.</u> 10	5.10	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.85	4.85	4.85	0.40	1.80	± 13.1 %
5750	35.4	5.22	5.04	5.04	5.04	0.40	1.80	± 13.1 %

Calibration Parameter Determined in Head Tiss	ue Simulating Media
Determined in flead 1155	ue Simulating Media

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to \pm 110 MHz. F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) 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 (ϵ and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters. ⁶ Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.

...

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7308

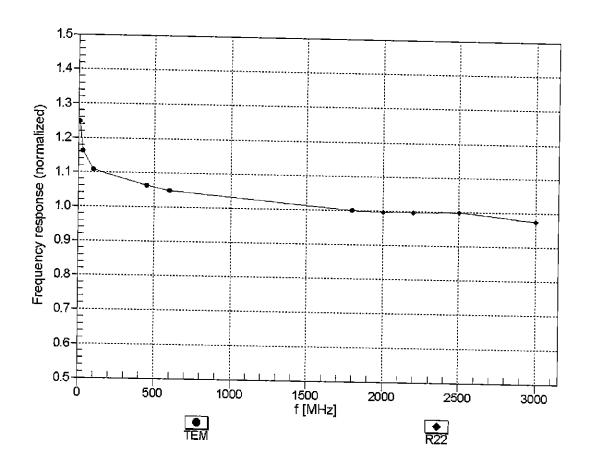
f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.38	10.38	10.38	0.36	0.99	± 12.0 %
835	55.2	0.97	10.19	10.19	10.19	0.50	0.82	± 12.0 %
1750	53.4	1.49	8.13	8.13	8.13	0.27	1.04	± 12.0 %
1900	53.3	1.52	7.79	7.79	7.79	0.38	0.85	± 12.0 %
2300	52.9	1.81	7.73	7.73	7.73	0.37	0.80	± 12.0 %
2450	52,7	1.95	7.57	7.57	7.57	0.34	0.88	± 12.0 %
2600	52.5	2.16	7.40	7.40	7.40	0.29	0.95	<u> </u>
5250	48.9	5.36	4.48	4.48	4.48	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.00	4.00	4.00	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.18	4.18	4.18	0.50	1.90	<u>+ 13.1 %</u>

Calibration Parameter Determined in Body Tissue Simulating Media	issue Simulating Media
--	------------------------

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to \pm 110 MHz. F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to

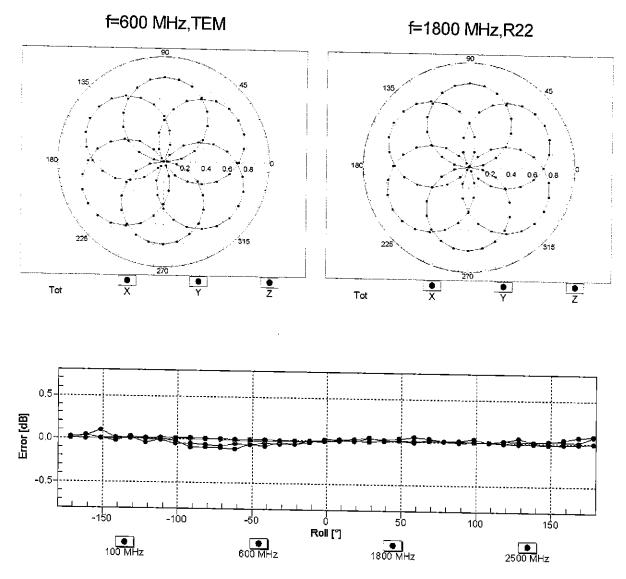
measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters. ^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip



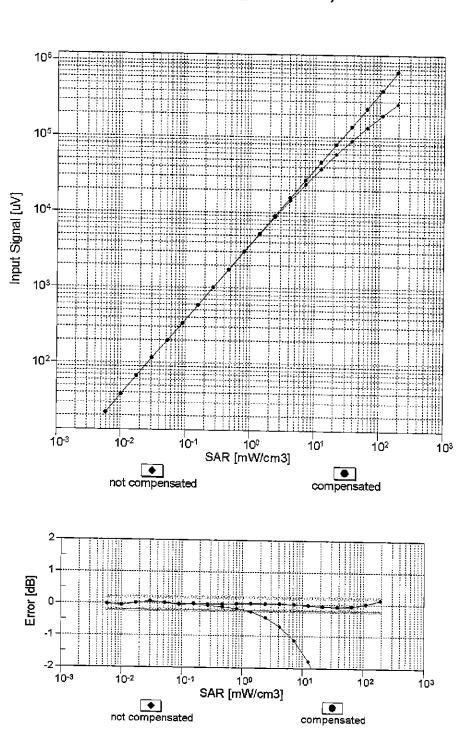
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



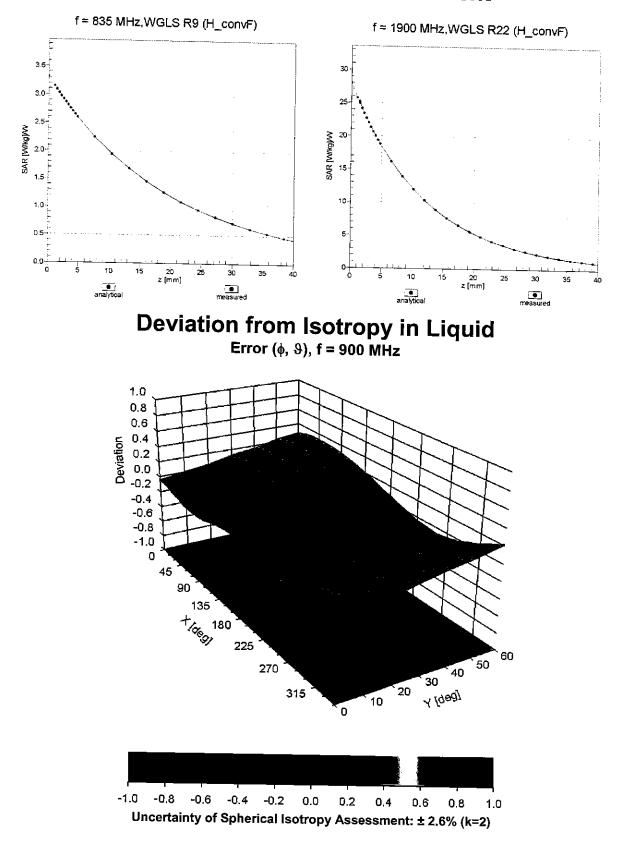
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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



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

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



Conversion Factor Assessment

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	
Mechanical Surface Detection Mode	108.5
	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	
Tip Length	10 mm
	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	
Probe Tip to Sensor Z Calibration Point	1 mm
	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	177.2	± 3.5 %
		Y	0.00	0.00	1.00		165.4	
10010-	SAR Validation (Square, 100ms, 10ms)	Z	0.00	0.00	1.00		159.6	
	SAR validation (Square, 100ms, 10ms)	X	2.71	68.17	11.26	10.00	20.0	± 9.6 %
		Y	2.39	66.64	10.67		20.0	
10011-	UMTS-FDD (WCDMA)	ZX	1.90	64.26	9.03		20.0	
			1.19	70.37	17.06	0.00	150.0	± 9.6 %
		<u>Y</u>	0.96	66.50	14.51		150.0	
10012-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	Z X	1.05	68.92	16.00		150.0	
CAB	Mbps)		1.18	64.67	16.08	0.41	150.0	± 9.6 %
	+	Y	1.11	63.43	15.04		150.0	
10013-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	<u>1.13</u>	64.11	15.48		150.0	
	OFDM, 6 Mbps)	X	4.93	66.75	17.26	1.46	150.0	± 9.6 %
	<u> </u>	Ŷ	4.92	66.47	17.15		150.0	
10021-	GSM-FDD (TDMA, GMSK)	Z	4.74	66.75	17.08		150.0	
DAC		×	100.00	114.38	27.28	9.39	50.0	± 9.6 %
		Y	100.00	114.83	27.64		50.0	
10023-		Z	100.00	109.69	24.90		50.0	
DAC	GPRS-FDD (TDMA, GMSK, TN 0)	×	100.00	113.94	27.13	9.57	50.0	±9.6 %
		Y	100.00	114.49	27.54		50.0	
10024-		Z	100.00	109.21	24.74		50.0	
DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	115.48	26.77	6.56	60.0	±9.6%
	<u> </u>	ΙY	100.00	_114.18	26.29		60.0	
40005		Z	100.00	109.85	23.86		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	6.22	84.66	34.29	12.57	50.0	±9.6 %
	<u> </u>	Ŷ	4.94		29.94		50.0	
10026-		Z	5.36	79.88	31.57		50.0	
DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	×	11.81	100.22	36.35	9.56	60.0	± 9.6 %
		Y	11.10	97.75	35.30		60.0	
10027-		Z	7.89	90.81	32.78		60.0	
DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	118.27	27.22	4.80	80.0	±9.6 %
_	<u> </u>	Y	100.00	<u>114.44</u>	25.61		80.0	
10028-	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	Z X	_100.00 100.00	<u>111.67</u> 122.72	23.86 28.40	3.55	80.0 100.0	± 9.6 %
DAC		Y	100.00	114.80	25.04		100.0	
		z	100.00	114.83	25.04	<u> </u>		
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	6.56	85.50	<u>24.49</u> 29.56	7.80	<u>100.</u> 0 80.0	±9.6 %
		Ŷ	6.53	84.80	<u>29</u> .16		80.0	<u> </u>
10000		Z	4.80	79.03	26.78		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	114.96	26.10	5.30	70.0	±9.6%
		Y	100.00	112.69	25.18		70.0	
10024		Z	100.00	108.37	22.73		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	126.84	28.53	1.88	100.0	±9.6 %
		Y	100.00	105.21	19.68		100.0	
		Z	100.00	108.61	20.59		100.0	

10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	x	100.00	146.53	35.02	1.17	100.0	± 9.6 %
		Ŷ	100.00	95.65	15.05	<u>-</u>	100.0	
		Z	100.00	112.23	21.08		100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	100.00	133.98	36.90	5.30	70.0	± 9.6 %
		Y	94.91	132.14	36.35		70.0	
		Z	24.70	106.96	28.52		70.0	
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	8.70	95.28	25.33	1.88	100.0	±9.6 %
		Y	4.18	83.23	21.11		100.0	
- <u>-</u>		Z	3.97	82.01	19.44		100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	3.83	83.82	21.38	1.17	100.0	± 9.6 %
		Y	2.23	74.99	17.69		100.0	
		Z	2.33	75.94	16.98		100.0	
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	100.00	134.50	37.14	5.30	70.0	± 9.6 %
		Y	100.00	133.48	36.76		70.0	
		Z	56.60	119.91	31.85	1	70.0	<u> </u>
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	7.69	93.53	24.78	1.88	100.0	±9.6 %
		Y	3.89	82.31	20.76		100.0	
		Z	3.40	80.12	18.77		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	3.93	84.59	21.78	1.17	100.0	± 9.6 %
		Y	2.28	75.57	18.03		100.0	
		Z	2.38	76.51	17.34		100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	X	2.78	78.14	18.71	0.00	150.0	± 9.6 %
		Y	1.67	70.12	14.94		150.0	
		Ž	2.00	74.01	15.76		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	X	100.00	110.92	24.96	7.78	50.0	± 9.6 %
		Y	100.00	110.22	24.75	-	50.0	
		Z	100.00	106.01	22.46		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.00	112.58	4.43	0.00	150.0	± 9.6 %
		Y	0.07	121.95	9.84		150.0	
		Z	0.01	118.94	9.83		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	100.00	111.48	27.44	13.80	25.0	± 9.6 %
		Y -	100.00	112.85	28.28		25.0	
40040		Z	18.65	86.54	19.90		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	100.00	112.40	26.75	10.79	40.0	± 9.6 %
	+ <u> </u>	Y	100.00	113.42	27.38		40.0	
10056-		Ζ	4 <u>6.2</u> 3	99.19	22.45		40.0	
CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	126.85	34.82	9.03	50.0	± 9.6 %
<u> </u>	· · · · · · · · · · · · · · · · · · ·	Y	100.00	126.84	34.96		50.0	
10058-		Z	73.14	116.99	30.84		50.0	
DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	4.87	79.06	26.07	6.55	100.0	± 9.6 %
	<u> </u>	Y	4.89	78.72	25.82		100.0	
10059-		Z	3.78	74.24	23.87		100.0	
CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	×	1.24	66.08	16.89	0.61	110.0	± 9.6 %
	+ ··· _ ··	Y	1.15	64.70	15.80		110.0	
10060-		_ Z	1.15	65.12	16.08		110.0	
CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)		100.00	145.11	38.67	1.30	110.0	± 9.6 %
		Y	100.00	138.14	35.54		110.0	
		Z	100.00	143.13	37.45		110.0	

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10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	5.01	92.44	27.34	2.04	110.0	± 9.6 %
		Y	3.88	86.79	24.94	<u> </u>	110.0	<u> </u>
		Z	2.64	81.37	23.02	<u>├</u>	110.0	+
10062- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.74	66.80	16.70	0.49	100.0	± 9.6 %
		Y	4.72	66.44	16.52		100.0	
		Z	4.55	66.78	16.53		100.0	· · · ·
10063- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.76	66.90	16.81	0.72	100.0	± 9.6 %
		Y	4.74	66.55	16.64		100.0	
10064-		Z	4.57	66.86	16.62		100.0	
CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.07	67.18	17.05	0.86	100.0	±9.6 %
		Y	5.06	66.88	16.91		100.0	
10065-		Z	4.83	67.08	16.83		100.0	
CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.93	67.08	17.15	1.21	100.0	± 9.6 %
		Y	4.92	66.80	17.03	L .	100.0	
10066-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24	Z	4.69	66.95	16.91		100.0	
CAC	Mbps)	X	4.95	67.11	17.33	1.46	100.0	± 9.6 %
	+	Y	4.94	66.84	17.22		100.0	
10067-		Z	4.70	66.94	17.07		100.0	
CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.22	67.17	17.72	2.04	100.0	±9.6 %
		Y	5.23	66.94	17.65		100.0	
40000		Z	4.99	67.15	17.52		100.0	
10068- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.28	67.31	17.99	2.55	100.0	±9.6 %
		Y	5.30	67.12	17.95		100.0	
		Ž	5.01	67.08	17.69		100.0	
10069- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.36	67.24	18.15	2.67	100.0	±9.6 %
		Y	5.38	67.05	18.11		100.0	
		Z	5.09	67.11	17.88		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.01	66.83	17.56	1.99	100.0	± 9.6 %
		Y	5.01	66.58	17.48		100.0	
		Z	4.83	66.80	17.36	·	100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.00	67.20	17.81	2.30	100.0	± 9.6 %
		Y	5.01	66.96	17.73		100.0	
		Z	4.79	67.07	17.56		100.0	
10073- CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.05	67.32	18.13	2.83	100.0	± 9.6 %
		Y	5.06	67.11	18.07		100.0	
100		Z	4.84	67.21	17.87		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.01	67.17	18.27	3.30	100.0	±9.6 %
		Y	5.03	66.98	18.23		100.0	
		Z	4.82	67.10	18.01		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.05	67.33	18.61	3.82	90.0	±9.6 %
		Y	5.08	67.18	18.60		90.0	
400		Z	4.84	67.13	18.28		90.0	
10076- CAB	IEEE 802.11g WIFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.04	67.01	18.67	4.15	90.0	±9.6 %
		Y	5.06	66.85	18.66		90.0	
		Z	4.86	66.95	18.41		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.05	67.06	18.76	4.30	90.0	± 9.6 %
		Y	5.07	66.89	18.74		90.0	
		Z	4.89	67.03	18.52		90.0	

10081- CAB	CDMA2000 (1xRTT, RC3)	X	1.10	69.87	14.99	0.00	150.0	± 9.6 %
		Y	0.78	64.74	11.83		150.0	
		Z	0.78	66.34	11.97		150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	X	0.69	60.00	4.39	4.77	80.0	± 9.6 %
		Y	0.71	60.00	4.39		80.0	
		Z	7.97	68.50	6.36		80.0	
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	115.53	26.81	6.56	60.0	±9.6 %
		Y	100.00	114.29	26.36		60.0	
		Z	100.00	109.90	23.90		60.0	
10097- CAB	UMTS-FDD (HSDPA)	X	1.95	68.97	16.62	0.00	150.0	± 9.6 %
		Y	<u>1.75</u>	66.81	15.24		150.0	
40000		Z	1.87	68.90	16.13		150.0	
10098- CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.91	68.95	16.60	0.00	150.0	± 9.6 %
		Y	1.71	66.77	15.20		150.0	
40000		Z	1.83	68.86	16.11		150.0	
10099- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	11.93	100.45	36.42	9.56	60.0	± 9.6 %
·		Y	11.20	97.95	35.37		60.0	
40402		Z	7.96	90.99	32.84		60.0	<u> </u>
10100- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.40	71.76	17.45	0.00	150.0	± 9.6 %
		Y	3.10	69.82	16.33		150.0	
		Z	3.12	70.91	17.03		150.0	
10101- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.36	68.15	16.35	0.00	150.0	± 9.6 %
		Y	3.24	67.23	15.77	<u>_</u>	150.0	
10100		Z	3.17	67.74	16.07		150.0	
10102- _CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.45	68.05	16.42	0.00	150.0	± 9.6 %
		Ŷ	3.34	67.19	15.87		150.0	
		Z	3.28	67.71	16.16		150.0	
10103- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	6.86	77.75	21.56	3.98	65.0	± 9.6 %
		Y	6.56	76.62	21.10		65.0	~
		Z	5.69	75.27	20.45		65.0	
10104- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	6.41	74.58	21.07	3.98	65.0	± 9.6 %
		ΓY Τ	6.33	74.04	20.86		65.0	
4040-		Z	5.58	72.74	20.11		65.0	<u> </u>
10105- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	6.09	73.43	20.88	3.98	65.0	± 9.6 %
		Y	6.03	72.95	20.69		65.0	
10100		Z	5.24	71.29	19.75		65.0	-
10108- CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.97	70.94	17.29	0.00	150.0	± 9.6 %
		Y.	2.72	69.08	16.17		150.0	
10109-		Z	2.70	70.20	16.88		150.0	· · · · ·
CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.02	68.05	16.32	0.00	150.0	± 9.6 %
	<u> </u>	Y	2.90	67.02	15.66		150.0	
10110-		Z	2.83	67.71	15.99		_150.0	
CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.42	70.09	17.00	0.00	150.0	±9.6 %
	<u> </u>	Y	2.21	68.14	15.78		150.0	
10111-		Z	2.18	69.46	16.49		150.0	
10111- CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.76	69.06	16.78	0.00	150.0	±9.6 %
<u>-</u>		Y	2.59	67.59	15.88		150.0	·
		Z	2.59	68.99	16.39		150.0	

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CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.14	67.97	16.35	0.00	150.0	± 9.6 %
		Y	3.03	67.00	15.72	<u> </u>	150.0	<u> </u>
10110		Ž	2.95	67.72	16.05		150.0	<u> </u>
10113- CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.92	69.11	16.87	0.00	150.0	± 9.6 %
		Y	2.75	67.72	16.02		150.0	
10114-		Ζ	2.74	69.14	16.51		150.0	
CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.18	67.31	16.57	0.00	150.0	±9.6 %
		<u> </u>	5.14	66.93	16.36		150.0	
10115-	IEEE 802.11n (HT Greenfield, 81 Mbps,	Z	5.02	67.26	16.48		150.0	
CAC	16-QAM)	X	5.52	67.57	16.70	0.00	150.0	± 9.6 %
		Y	5.51	67.29	16.56		150.0	
10116-	IEEE 802.11n (HT Greenfield, 135 Mbps,	Z	5.27	67.30	16.50		150.0	
CAC	64-QAM)	X	5.29	67.56	16.61	0.00	150.0	±9.6 %
		Ý	5.27	67.21	16.43		150.0	
	IEEE 802.11n (HT Mixed, 13.5 Mbps,	Z	5.10	67.44	16.50		150.0	
_CAC	BPSK)	X	5.16	67.25	16.55	0.00	150.0	± 9.6 %
		Y	5.13	66.89	16.36		150.0	
10118-		Z	4.99	67.15	16.44		150.0	
CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)	X	5.59	67.74	16.79	0.00	150.0	± 9.6 %
		Y	5.60	67.49	16.67		150.0	
10119-		Z	5.34	67.49	16.60		150.0	
	IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)	X	5.26	67.49	16.59	0.00	150.0	± 9.6 %
<u> </u>		Y	5.24	<u>67</u> .15	16.41		150.0	
10140-		Z	5.09	67.40	16.49	-	150.0	
CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.50	68.05	16.33	0.00	150.0	±9.6 %
		Y	3.39	<u>67.1</u> 9	15.79		150.0	
10141-		Z	3.30	67.72	16.07		150.0	
	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.62	68.10	16.48	0.00	150.0	± 9.6 %
		Y	3.51	67.27	15.96		150.0	
10142-	LTE-FDD (SC-FDMA, 100% RB, 3 MHz,	<u>Z</u> .	3.43	67.85	16.25		150.0	
	QPSK)	x	2.22	70.35	16.88	0.00	150.0	±9.6 %
	<u> </u>	Y	1.98	67.98	15.45		150.0	
10143-	LTE-FDD (SC-FDMA, 100% RB, 3 MHz,	Z	1.97	69.67	16.10		150.0	
CAE	16-QAM)	X	2.70	70.21	16.79 	0.00	150.0	±9.6 %
		Y	2.44	68.12	15.58	- <u> </u>	150.0	
10144-	LTE-FDD (SC-FDMA, 100% RB, 3 MHz,	Z X	2.48 2.42	69.97 67.64	<u> 16.00</u> 15.07	0.00	150.0 150.0	± 9.6 %
CAE	<u>64</u> -QAM)	Y	2.26	66.15	14.15		150.0	
		Z	2.13	66.86	13.96		150.0	
10145- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.54	68.23	14.00	0.00	150.0	± 9.6 %
		Y	1.25	64.93	12.03		150.0	
101/0		Z	1.00	63.72	10.21		150.0	
10146- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	×	2.38	68.67	13.30	0.00	150.0	± 9.6 %
		Y	2.63	70.03	14.41		150.0	
40447		Z	1.37	62.94	8.80		150.0	
10147- <u>CA</u> F	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	х	3.01	71.74	14.81	0.00	150.0	± 9.6 %
<u></u>		Y	3.44	73.73	16.16		150.0	
		Z	1.50	63.86	9.38		150.0	

CAE 64 10151- L1 CAF Q 10152- L1 CAF 16 10153- L1 CAF 64 10154- L1 CAF Q 10155- L1 CAF Q 10156- L1 CAF Q 10157- L1 CAF Q 10158- L1 CAF G4	TE-FDD (SC-FDMA, 50% RB, 20 MHz, 4-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, PSK) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 20 MHz, 4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK)	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 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 Y Z Z X X X Y Z Z X X X X	2.91 2.84 3.15 3.03 2.96 7.33 6.93 6.07 5.98 5.89 5.12 6.33 6.23 5.49 2.49 2.26 2.24 2.77 2.59 2.59 2.11 1.83 1.82 2.31	67.08 67.78 68.03 67.05 67.78 80.62 79.21 78.22 74.73 74.72 75.57 74.94 73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	15.71 16.04 16.39 15.76 16.09 22.85 22.28 21.74 20.92 20.68 19.78 21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26 15.80	0.00 3.98 3.98 3.98 0.00 0.00 0.00 0.00	150.0 150.0 150.0 150.0 150.0 150.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
CAE 64 10151- L1 CAF Q 10152- L1 CAF 16 10153- L1 CAF 64 10155- L1 CAF 16 10158- L1 CAF 64	4-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, PSK) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 6-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK)	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 Y Z Z X Z X	2.84 3.15 3.03 2.96 7.33 6.93 6.07 5.98 5.89 5.12 6.33 6.23 5.49 2.49 2.49 2.26 2.24 2.77 2.59 2.59 2.11 1.83 1.82	67.78 68.03 67.05 67.78 80.62 79.21 78.22 74.73 74.74 75.57 74.94 73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	16.04 16.39 15.76 16.09 22.85 22.28 21.74 20.92 20.68 19.78 21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	3.98 3.98 3.98 3.98 0.00 0.00	150.0 150.0 150.0 150.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
CAE 64 10151- L1 CAF Q 10152- L1 CAF 16 10153- L1 CAF 64 10154- L1 CAF Q 10154- L1 CAF Q 10155- L1 CAF Q 10155- L1 CAF Q 10156- L1 CAF Q 10158- L1 CAF G 10158- L1 CAF G	4-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, PSK) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 6-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK)	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 X Y Z Z X Y Z Z X X Y Z Z X X Y Z Z X X Z Z X Z Z Z X X Z Z Z Z	3.15 3.03 2.96 7.33 6.93 6.07 5.98 5.98 5.12 6.33 6.23 5.49 2.49 2.49 2.26 2.24 2.77 2.59 2.59 2.59 2.11 1.83 1.82	68.03 67.05 67.78 80.62 79.21 78.22 74.73 74.74 75.57 74.94 73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	16.39 15.76 16.09 22.85 21.74 20.92 20.68 19.78 21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93	3.98 3.98 3.98 3.98 0.00 0.00	150.0 150.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
CAF Q 10152- LT CAF 16 10153- LT CAF 64 10154- LT CAF Q 10155- LT CAF Q 10155- LT CAF Q 10155- LT CAF Q 10155- LT CAF Q 10156- LT CAF Q 10157- LT CAF Q 10156- LT CAF Q 10157- LT CAF Q 10158- LT CAF G	TE-TDD (SC-FDMA, 50% RB, 20 MHz, 6-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z Z X	2.96 7.33 6.93 6.07 5.98 5.89 5.12 6.33 6.23 5.49 2.49 2.49 2.26 2.24 2.77 2.59 2.59 2.11 1.83 1.82	67.78 80.62 79.21 78.22 74.73 74.72 75.57 74.94 73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	16.09 22.85 21.74 20.92 20.68 19.78 21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93	3.98 3.98 0.00 0.00	150.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
CAF Q 10152- LT CAF 16 10153- LT CAF 64 10154- LT CAF Q 10155- LT CAF Q 10155- LT CAF Q 10155- LT CAF Q 10155- LT CAF Q 10156- LT CAF Q 10157- LT CAF Q 10156- LT CAF Q 10157- LT CAF Q 10158- LT CAF G	TE-TDD (SC-FDMA, 50% RB, 20 MHz, 6-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	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 X	7.33 6.93 6.07 5.98 5.89 5.12 6.33 6.23 5.49 2.49 2.26 2.24 2.77 2.59 2.11 1.83 1.82	80.62 79.21 78.22 74.73 74.74 75.57 74.94 73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	16.09 22.85 21.74 20.92 20.68 19.78 21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93	3.98 3.98 0.00 0.00	150.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
CAF Q 10152- LT CAF 16 10153- LT CAF 64 10154- LT CAF Q 10155- LT CAF Q 10156- LT CAF Q 10157- LT CAF Q 10157- LT CAF Q 10158- LT CAF G 10158- LT CAF G	TE-TDD (SC-FDMA, 50% RB, 20 MHz, 6-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	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 X	7.33 6.93 6.07 5.98 5.89 5.12 6.33 6.23 5.49 2.49 2.26 2.24 2.77 2.59 2.11 1.83 1.82	80.62 79.21 78.22 74.73 74.74 75.57 74.94 73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	22.85 22.28 21.74 20.92 20.68 19.78 21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	3.98 3.98 0.00 0.00	65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
CAF 16 10153- LT CAF 64 10154- LT CAF Q 10155- LT CAF 16 10156- LT CAF Q 10156- LT CAF 16 10157- LT CAF 16 10158- LT CAF 16 10158- LT CAF 16	6-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	Z X Y Z X Y Z X Y Z X Y Z X Y Z X	6.07 5.98 5.89 5.12 6.33 6.23 5.49 2.49 2.26 2.24 2.77 2.59 2.11 1.83 1.82	78.22 74.73 74.73 74.73 72.74 75.57 74.94 73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	21.74 20.92 20.68 19.78 21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	3.98 0.00 0.00	65.0 65.0 65.0 65.0 65.0 65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 %
CAF 16 10153- L1 CAF 64 10153- L1 CAF Q 10154- L1 CAF Q 10155- L1 CAF 16 10156- L1 CAF Q 10156- L1 CAF Q 10157- L1 CAF Q 10157- L1 CAF Q 10158- L1 CAF G 10158- L1 CAF G	6-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	Z X Y Z X Y Z X Y Z X Y Z X Y Z X	6.07 5.98 5.89 5.12 6.33 6.23 5.49 2.49 2.26 2.24 2.77 2.59 2.11 1.83 1.82	78.22 74.73 74.73 74.73 72.74 75.57 74.94 73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	21.74 20.92 20.68 19.78 21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	3.98 0.00 0.00	65.0 65.0 65.0 65.0 65.0 65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 %
CAF 16 10153- L1 CAF 64 10153- L1 CAF Q 10154- L1 CAF Q 10155- L1 CAF 16 10156- L1 CAF Q 10156- L1 CAF Q 10157- L1 CAF Q 10157- L1 CAF Q 10158- L1 CAF G 10158- L1 CAF G	6-QAM) TE-TDD (SC-FDMA, 50% RB, 20 MHz, 4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	X Y Z X Y Z X Y Z X Y Z X Y Z X	5.98 5.89 5.12 6.33 6.23 5.49 2.49 2.49 2.26 2.24 2.77 2.59 2.59 2.59 2.11 1.83 1.82	74.73 74.12 72.74 75.57 74.94 73.78 70.63 68.57 69.92 69.07 69.02 70.85 69.02 70.85 68.04 69.80	20.92 20.68 19.78 21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	3.98 0.00 0.00	65.0 65.0 65.0 65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 %
CAF 64 10154- L1 CAF Q 10155- L1 CAF 16 10156- L1 CAF Q 10157- L1 CAF 16 10158- L1 CAF 64	4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	Z X Y Z X Y Z X Y Z X Y Z X	5.12 6.33 6.23 5.49 2.49 2.26 2.24 2.77 2.59 2.59 2.59 2.11 1.83 1.82	72.74 75.57 74.94 73.78 70.63 68.57 69.92 69.07 69.02 70.85 68.04 69.80	19.78 21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	0.00	65.0 65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 %
CAF 64	4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	X Y Z X Y Z X Y Z X Y Z Z	6.33 6.23 5.49 2.49 2.26 2.24 2.77 2.59 2.59 2.11 1.83 1.82	75.57 74.94 73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	0.00	65.0 65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 %
CAF 64 10154- L1 CAF Q 10155- L1 CAF 16 10156- L1 CAF Q 10157- L1 CAF 16 10158- L1 CAF 64	4-QAM) TE-FDD (SC-FDMA, 50% RB, 10 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	Y Z X Y Z X Y Z X Y Z	6.23 5.49 2.49 2.26 2.24 2.77 2.59 2.59 2.11 1.83 1.82	74.94 73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	21.65 21.41 20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	0.00	65.0 65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 %
CAF Q 10155- LT CAF 16 10156- LT CAF Q 10157- LT CAF 16 10158- LT CAF 64	TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	Z X Z X Y Z X Y Z X Y Z	5.49 2.49 2.26 2.24 2.77 2.59 2.59 2.11 1.83 1.82	73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	0.00	65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 %
CAF Q 10155- LT CAF 16 10156- LT CAF Q 10157- LT CAF 16 10158- LT CAF 64	TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	X Y Z X Y Z X Y Z	2.49 2.26 2.24 2.77 2.59 2.59 2.11 1.83 1.82	73.78 70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	20.61 17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	0.00	65.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 %
CAF Q 10155- LT CAF 16 10156- LT CAF Q 10157- LT CAF 16 10158- LT CAF 64	TE-FDD (SC-FDMA, 50% RB, 10 MHz, 6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, PSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	Y Z X Y Z X Y Z	2.49 2.26 2.24 2.77 2.59 2.59 2.11 1.83 1.82	70.63 68.57 69.92 69.07 67.59 69.02 70.85 68.04 69.80	17.32 16.06 16.77 16.79 15.89 16.41 16.93 15.26	0.00	150.0 150.0 150.0 150.0 150.0 150.0 150.0 150.0	± 9.6 %
CAF 16 10156- LT CAF QI 10157- LT CAF 16 10158- LT CAF 64	6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, IPSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	Z X Y Z X Y Z	2.24 2.77 2.59 2.59 2.11 1.83 1.82	69.92 69.07 67.59 69.02 70.85 68.04 69.80	16.77 16.79 15.89 16.41 16.93		150.0 150.0 150.0 150.0 150.0 150.0	
CAF 16 10156- LT CAF QI 10157- LT CAF 16 10158- LT CAF 64	6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, IPSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	X Y Z X Y Z	2.24 2.77 2.59 2.59 2.11 1.83 1.82	69.92 69.07 67.59 69.02 70.85 68.04 69.80	16.77 16.79 15.89 16.41 16.93		150.0 150.0 150.0 150.0 150.0 150.0	
CAF 16 10156- LT CAF QI 10157- LT CAF 16 10158- LT CAF 64	6-QAM) TE-FDD (SC-FDMA, 50% RB, 5 MHz, IPSK) TE-FDD (SC-FDMA, 50% RB, 5 MHz,	Y Z X Y	2.77 2.59 2.59 2.11 1.83 1.82	69.07 67.59 69.02 70.85 68.04 69.80	16.79 15.89 16.41 16.93 15.26		150.0 150.0 150.0 150.0	
CAF Q 10157- LT CAF 16 10158- LT CAF 64	PSK)	Z X Y	2.59 2.11 <u>1.83</u> 1.82	69.02 70.85 68.04 69.80	16.41 16.93 15.26	0.00	150.0 150.0 150.0	± 9.6 %
CAF Q 10157- LT CAF 16 10158- LT CAF 64	PSK)	X Y Z	2.59 2.11 <u>1.83</u> 1.82	69.02 70.85 68.04 69.80	16.41 16.93 15.26	0.00	150.0 150.0 150.0	±9.6 %
CAF Q 10157- LT CAF 16 10158- LT CAF 64	PSK)	Y Z	2.11 1.83 1.82	70.85 68.04 69.80	16.93 15.26	0.00	150.0 150.0	± 9.6 %
CAF 16 10158- L1 CAF 64		Z	1.82	69.80				
CAF 16 10158- L1 CAF 64			1.82	69.80				
CAF 16 10158- L1 CAF 64					1 1.1.00	1	1 150.0	
CAF 64		1	2.01	68.61	15.35	0.00	150.0	± 9.6 %
CAF 64		Ý	2.08	66.62	14.16		150.0	
CAF 64		Z	1.98	67.47	13.92		150.0	
10159-	TE-FDD (SC-FDMA, 50% RB, 10 MHz, 4-QAM)	Х	2.92	69.17	16.92	0.00	150.0	± 9.6 %
10159-		Y	2.75	67.77	16.06	<u> </u>	150.0	
10159-		Z	2.75	69.22	16.57		150.0	
	TE-FDD (SC-FDMA, 50% RB, 5 MHz, 4-QAM)	X	2.44	69.17	15.69	0.00	150.0	± 9.6 %
		Y	2.19	67.06	14.45		150.0	
		Z	2.09	67.96	14.21		150.0	
10160- LT CAE QI	TE-FDD (SC-FDMA, 50% RB, 15 MHz, PSK)	X	2.90	69.57	16.90	0.00	150.0	± 9.6 %
		Y	2.74	68.24	16.05		150.0	<u> </u>
		Z	2.70	69.25	16.60	<u> </u>	150.0	
	TE-FDD (SC-FDMA, 50% RB, 15 MHz, 5-QAM)	X	3.05	67.98	16.35	0.00	150.0	± 9.6 %
		Y	2.93	66.95	15.69		150.0	
10100		Z	2.86	67.77	16.01		150.0	
10162- LT CAE 64	TE-FDD (SC-FDMA, 50% RB, 15 MHz, 4-QAM)	X	3.15	68.06	16.42	0.00	150.0	± 9.6 %
		Y	3.03	67.06	15.79		150.0	
10166		Z	2.97	67.96	16.14		150.0	
10166- LT CAF QF	re-FDD (SC-FDMA, 50% RB, 1.4 MHz, PSK)	X	3.67	69.77	19.22	3.01	150.0	± 9.6 %
		Y	3.71	69.61	19.37	• <u> </u>	150.0	<u> </u>
		Z	3.45	70.11	19.35		150.0	
10167- LT CAF 16	TE-FDD (SC-FDMA, 50% RB, 1.4 MHz, S-QAM)	X	4.61	72.92	19.78	3.01	150.0	± 9.6 %
		Y			10 70		150.0	
			4.57	72.37	19.78		1000	

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10168- CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.13	75.25	21.12	3.01	150.0	± 9.6 %
	<u> </u>	Y	5.05	74.54	21.07		150.0	<u> </u>
10169-		Z	<u> </u>	77.22	21.87		150.0	
CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.12	70.03	19.37	3.01	150.0	± 9.6 %
		Y	3.15	69.73	19.46	<u> </u>	150.0	
		Z	2.86	69.57	19.15		150.0	
10170- CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	4.58	77.10	22.08	3.01	150.0	±9.6 %
		Y	4.39	75.79	21.81		150.0	
40474		Z	4.44	78.23	22.53		150.0	
10171- AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.64	72.24	19.05	3.01	150.0	± 9.6 %
		Y	3.59	71.47	18.98		150.0	
40470		Z	3.36	72.39	19.02		150.0	
10172- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	12.64	100.34	31.84	6.02	65.0	± 9.6 %
		Y	12.97	100.68	32.37		65.0	
10470		_Z	5.77	87.24	27.51		65.0	
10173- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	36.96	114.71	33.67	6.02	65.0	±9.6 %
		Y	30.92	112.16	33.64		65.0	
40474		Z	22.36	108.00	31.61		65.0	
10174- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	22.92	104.35	30.17	6.02	65.0	± 9.6 %
		_ Y _	21.96	104.04	30.70		65.0	
		Z	11.65	95.24	27.25		65.0	
10175- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.08	69.68	19.10	3.01	150.0	± 9.6 %
		Y	3.11	69.39	19.20		150.0	
		Z	2.82	69.22	18.88	·	150.0	
10176- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	4.59	77.13	22.09	3.01	150.0	± 9.6 %
		Y	4.40	75.82	21.82		150.0	
		Z	4.45	78.26	22.55		150.0	
10177- CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.11	69.85	19.21	3.01	150.0	± 9.6 %
		Y	3.14	69.56	19.30		150.0	
		Z	2.84	69.38	18.97		150.0	
10178- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	4.53	76.83	21.94	3.01	150.0	± 9.6 %
		Y	4.34	75.53	21.68		150.0	
		Z	4.39	77.99	22.42		150.0	
10179- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.06	74.50	20.40	3.01	150.0	± 9.6 %
		Y	3.95	73.49	20.26		150.0	·
		Ζ	3.83	75.09	20.61		150.0	
10180- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	3.62	72.15	18.99	3.01	150.0	±9.6 %
		Y	3.58	71.38	18.93		150.0	
		Ž	3.35	72.32	18.97		150.0	
10181- <u>C</u> AE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.10	69.83	19.20	3.01	150.0	±9.6 %
		Ϋ́	3.13	69.54	19.29		150.0	
		Z	2.84	69.36	18.97		150.0	
10182- CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	4.52	76.80	21.93	3.01	150.0	±9.6 %
_		Y	4.33	75.51	21.66		150.0	· · · · ·
		<u>Z</u>	4.38	77.96	22.40		150.0	
10183- AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	3.62	72.12	18.97	3.01	150.0	± 9.6 %
		Y	3.57	71.35	18.91		150.0	
		Z	3.34	72.29	18.96		150.0	

10185- CAE 10186-	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-	Y Z	3.14	69.58	19.32		<u> </u>	
			VII.T				150.0	
			2.85	69.41	18.99		150.0	
10186-	QAM)	X	4.54	76.88	21.97	3.01	150.0	± 9.6 %
10186-		Y	4.35	75.59	21.70		150.0	
10186-		Z	4.41	78.06	22.45		150.0	
AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	3.64	72.20	19.01	3.01	150.0	±9.6 %
		Y	3.59	71.42	18.95		150.0	
		Z	3.36	72.37	19.00		150.0	
10187- CA <u>F</u>	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.12	69.93	19.28	3.01	150.0	± 9.6 %
		Y	<u>3.</u> 15	69.63	19.37		150.0	
		Z	2.86	69.48	19.07		150.0	
10188- CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	4.72	77.70	22.40	3.01	150.0	± 9.6 %
		Y	4.51	76.33	22.11		150.0	
		Z	4.61	78.98	22.92		150.0	
10189- AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	3.73	72.70	19.32	3.01	150.0	± 9.6 %
		Y	3.67	71.88	19.24		150.0	
		Z	3.46	72.92	19.33		150.0	
10193- _CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.59	66.76	16.33	0.00	150.0	± 9.6 %
	······································	LΥ	4.55	66.31	16.09		150.0	
		Z	4.42	66.80	16.19		150.0	
10194- CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.77	67.10	16.45	0.00	150.0	± 9.6 %
		Y	4.74	66.66	16.21		150.0	
		Z	4.58	67.08	16.32		150.0	
10195- <u>CA</u> C	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.82	67.12	16.46	0.00	150.0	± 9.6 %
		Y	4.78	66.69	16.22		150.0	
		Z	4.62	67.10	16.34		150.0	
10196- 	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.60	66.84	16.36	0.00	150.0	± 9.6 %
		ΥŢ	4.56	66.40	16.12		150.0	
		Z	4.41	66.83	16.20		150.0	
10197- CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)	X	4.79	67.12	16.46	0.00	150.0	±9.6 %
		Y	4.75	66.69	16.22		150.0	
40400		Ζ	4.59	67.09	16.33		150.0	
10198- CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)	X	4.82	67.14	16.47	0.00	150.0	± 9.6 %
<u>-</u>		Y	4. <u>78</u>	66.71	16.24		150.0	
10010		Z	4.61	67.11	16.35		150.0	
10219- CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.55	66.86	16.33	0.00	150.0	±9.6 %
	<u>-</u>	<u>Y</u>	4.51	66.41	16.08		150.0	
10220-		Z	4.37	66.86	16.17		150.0	
CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	x	4.79	67.10	16.45	0.00	150.0	±9.6 %
	<u> </u>	<u>Y</u>	4.75	66.67	16.22		150.0	
10224		_Z	4.58	<u>67.0</u> 5	16.32		150.0	_
10221- CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)	X	4.83	67.06	16.45	0.00	150.0	± 9.6 %
		Y	4.79	66.64	16.23		150.0	
4000		Z	4.62	67.04	16.33		150.0	
10222- CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.14	67.26	16.55	0.00	150.0	± 9.6 %
CAC								
		Ŷ	5.11	66.90	16.36		150.0	

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10223- CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16- QAM)	X	5.45	67.43	16.65	0.00	150.0	± 9.6 %
		+				<u> </u>		
		Y	5.45	67.18	16.52		150.0	
10224-	IEEE 802.11n (HT Mixed, 150 Mbps, 64-	<u>Z</u>	5.25	67.35	16.55		150.0	
CAC	QAM)	X	5.19	67.37	16.53	0.00	150.0	± 9.6 %
	<u> </u>	Y	5.15	66.99	16.33		150.0	
		Z	5.01	67.26	16.42		150.0	·
10225- CAB	UMTS-FDD (HSPA+)	X	2.89	66.55	15.78	0.00	150.0	± 9.6 %
		Y	2.80	65.71	15.24		150.0	
		Ż	2.72	66.49	15.32		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	42.12	117.30	34.47	6.02	65.0	±9.6 %
		Y	34.39	114.35	34.35		65.0	
		Z	25.78	110.75	32.49		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	33.34	110.83	32.01	6.02	65.0	±9.6%
		Y	29.14	109.23	32.25		65.0	
		Ż	23.91	107.08	30.63		65.0	<u> </u>
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	x	15.66	107.06	33.38	6.02	65.0	± 9.6 %
		Y	15.84	105.37	33.95		65.0	
		Z	7.75	93.33	29.68		65.0	
10229- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	x	37.28	114.84	33.72	6.02	65.0	± 9.6 %
_		Y	31.13	112.26	33.67		65.0	
		ż	22.62	108.17	31.67		65.0	
10230- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	29.88	108.76	31.36	6.02	65.0 65.0	± 9.6 %
		Y	26.58	107.43	31.66	<u> </u>		
		Z	20.85	107.43	29.86	· · ·	65.0	
10231- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	14.65	104.61	32.85	6.02	<u>65.0</u> 65.0	± 9.6 %
		Y	14.88	103.95	33.43		05.0	
		z	7.34	92.15	29.19		65.0	
10232- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	37.25	114.84	33.71	6.02	65.0 65.0	± 9.6 %
		Ŷ	31.10	112.26	22.07			
		Z			33.67		65.0	
10233- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	<u>22.58</u> 29.82	108.16 108.74	31.67 31.35	6.02	65.0 65.0	±9.6 %
	····/ _ ·	 Y	26.53	107.41	31.66		000	
							65.0	
10234- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	<u>20.76</u>	104.56 102.21	29.85 32.30	6.02	<u>65.0</u> 65.0	± 9.6 %
		Y	14.10	102.64	32.91		65.0	
		z	7.03	91.14	28.71		65.0	
10235- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	37.39	114.93	33.74	6.02	65.0	± 9.6 %
		Y	31.21	112.34	33.70		65.0	
		Z	22.65	108.24	31.69		65.0	
10236- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	30.43	109.05	31.43	6.02	65.0	± 9.6 %
		Ŷ	27.03	107.71	31.73		65.0	
		Ż	21.22	104.87	29.93		65.0	
10237- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	x	14.73	103.74	32.90	6.02	65.0	± 9.6 %
		Y	14.96	104.11	33.48		65.0	
		z	7.35	92.21	29.22		65.0	
10238- CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	37.20	114.83	<u> </u>	6.02	<u>65.0</u>	± 9.6 %
		Y	31.07	112.26	33.67		65.0	

10239-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz,		00.70	400 70	01.05			
CAE	64-QAM)	X	29.73	108.72	31.35	6.02	65.0	± 9.6 %
		Y	26.48	107.40	31.66		65.0	
		Z	20.66	104.50	29.83		65.0	
10240- CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	14.67	103.66	32.88	6.02	65.0	± 9.6 %
		Y	14.89	104.03	33.46		65.0	
		Z	7.33	92.17	29.20		65.0	·
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	8.22	81.62	25.84	6.98	65.0	± 9.6 %
		Y	8.21	81.11	25.93		65.0	
		Z	7.55	81.89	25.74		65.0	
10242- C <u>A</u> A	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	7.60	79.92	25.06	6.98	65.0	± 9.6 %
		Y	7.70	79.68	25.24		65.0	
		Z	6.63	79.21	24.57		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, _QPSK)	X	6.06	76.28	24.43	6.98	65.0	± 9.6 %
		Y	6.20	76.29	24.69		65.0	
		Z	5.27	75.02	23.70		65.0	
10244- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	6.94	79.13	20.40	3.98	65.0	± 9.6 %
		Y	7.61	80.93	21.65		65.0	
		z	4.63	73.01	16.54	· · · · ·	65.0	
10245- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	6.74	78.35	20.03	3.98	65.0	± 9.6 %
		Y	7.38	80.11	21.28	<u> </u>	65.0	
		Z	4.46	72.20	16.14		65.0	
10246- <u>C</u> AC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	8.26	86.16	23.38	3.98	65.0	±9.6 %
		Y	7.07	83.23	22.34	<u>├</u>	65.0	
		Z	4.76	77.46	19.00		65.0	
10247- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	5.60	76.50	20.35	3.98	65.0	± 9.6 %
		Y	5.37	75.45	19.96		65.0	
		Z	4.29	72.64	17.71		65.0	
10248- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	5.54	75.70	19.98	3.98	65.0	± 9.6 %
		Y	5.35	74.79	19.65		65.0	
		z	4.24	71.91	17.36		65.0	
10249- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	x	9.19	88.24	24.95	3.98	65.0	± 9.6 %
		Y	7.96	85.32	23.90		65.0	
		Ż	6.28	82.28	00.00			
10250- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	6.20	77.76	22.02	3.98	65.0 65.0	± 9.6 %
		Y	6.01	76.85	21.97		65.0	
		Z	5.20	75.42	20.86		65.0	
10251- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	x	5.85	75.32	20.92	3.98	65.0	± 9.6 %
		Y	5.73	74.58	20.63		65.0	
		Z	4.92	73.12	19.45		65.0	
10252- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	8.09	84.95	24.58	3.98	65.0	± 9.6 %
		Y Ż	7.42	82.94	23.81		65.0	
10253-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	Z	6.31	<u>81.5</u> 2	22.96		65.0	l
CAE	16-QAM)	X	5.80	74.00	20.63	3.98	65.0	± 9.6 %
		Y	5.72	73.40	20.39		65.0	
10254-		Z	5.04	72.28	19.52		65.0	
10254- CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	6.14	74.84	21.30	3.98	65.0	± 9.6 %
		Y.	6.05	74.22	21.07		65.0	
		Z	5.36	73.21	20.25		65.0	

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10255- CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	6.81	79.50	22.67	3.98	65.0	± 9.6 %
		Y	6.50	78.25	22.16		65.0	<u> </u>
10256-		Z	5.72	77.37	21.59		65.0	
CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	5.54	75.38	17.88	3.98	65.0	± 9.6 %
		Y	6.45	78.02	19.55	<u> </u>	65.0	
40057		Z	3.15	67.52	12.83		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	5.31	74.31	17.34	3.98	65.0	± 9.6 %
		Y	6.14	76.80	18.96		65.0	+
40050		Z	3.05	66.79	12.37		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	6.24	81.13	20.76	3.98	65.0	± 9.6 %
		Y	5.52	78.91	19.97		65.0	T
10259-		Z	3.09	70.62	15.05		65.0	
CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	5.84	76.93	21.04	3.98	65.0	± 9.6 %
		Y	5.63	75.94	20.66		65.0	
10000		Z	4.68	73.82	18.92		65.0	<u> </u>
10260- CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	5.84	76.54	20.88	3.98	65.0	± 9.6 %
		Y	5.65	75.62	20.54		65.0	
10004		Ζ	4.68	73.47	18.76		65.0	†
10261- <u>C</u> AC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	7.94	85.32	24.30	3.98	65.0	± 9.6 %
		Y	7.17	83.07	23.45		65.0	
		Z	5.90	80.89	22.01		65.0	
10262- CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	6.19	77.72	22.28	3.98	65.0	± 9.6 %
		Y	6.00	76.81	21.93		65.0	
		Z	5.19	75.36	20.81		65.0	
10263- CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	5.84	75.30	20.91	3.98	65.0	± 9.6 %
		Y	5.72	74.57	20.63		65.0	
		Z	4.91	73.09	19.44		65.0	
10264- <u>CAE</u>	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	8.00	84.72	24.48	3.98	65.0	± 9.6 %
		Y	7.34	82.73	23.71		65.0	
		Z	6.24	81.28	22.84		65.0	
10265- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	5.98	74.73	20.93	3.98	65.0	± 9.6 %
		Ý	5.89	74.12	20.69		65.0	
		Z	5.12	72.74	19.78		65.0	
10266- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	6.33	75.56	21.64	3.98	65.0	± 9.6 %
		Y	6.22	74.93	21.40		65.0	<u> </u>
4000-		Z	5.49	73.76	20.60		65.0	
10267- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	7.32	80.56	22.82	3.98	65.0	± 9.6 %
		Y	6.92	79.16	22.26		65.0	
10000		Z	6.05	78.17	21.72		65.0	
10268- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	6.52	74.24	21.04	3.98	65.0	± 9.6 %
		Y	6.45	73.73	20.85		65.0	
40000		Z	<u>5.</u> 74	72.63	20.16		65.0	
10269- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	6.46	73.71	20.87	3.98	65.0	± 9.6 %
	+··	Y	6.39	73.22	20.69		65.0	
40070		Z	5.73	72.22	20.02		65.0	
10270- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	6.79	76.82	21.42	3.98	65.0	± 9.6 %
		Y	6.57	75.90	21.04		65.0	<u> </u>
		Z	5.88	75.11	20.59		65.0	<u> </u>

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	x	2.66	66.98	15.73	0.00	150.0	±9.6 %
		Y	2.54	65.90	15.04		150.0	
		Z	2.55	67.07	15.35		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.78	69.77	16.72	0.00	150.0	± 9.6 %
		Y	1.55	67.13	15.03		150.0	
		Z	1.62	69.04	16.02		150.0	+ <u> </u>
10277- <u>C</u> AA	PHS (QPSK)	X	2.12	61.97	7.55	9.03	50.0	±9.6 %
		Y	2.25	62.30	7.96		50.0	
		Z	1.72	60.31	5.78		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	10.93	86.19	21.29	9.03	50.0	± 9.6 %
		Y	<u>9.6</u> 4	84.41	20.95		50.0	
40070		Z	3.57	69.00	13.15		50.0	
10279- F CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	11.22	86.49	21.46	9.03	50.0	± 9.6 %
		Y	9.91	84.71	21.11		50.0	
10000		Z	3.69	69.35	13.38		50.0	
10290- 	CDMA2000, RC1, SO55, Full Rate	X	1.95	72.86	16.32	0.00	150.0	± 9.6 %
		Y	1.38	67.46	13.46		150.0	
40004		Z	1.34	68.81	13.27		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	X	1.06	69.47	14.79	0.00	150.0	± 9.6 %
		Y	0.76	64.53	11.71		150.0	
		Z	0.76	66.05	11.81		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	1.83	78.35	18.94	0.00	150.0	± 9.6 %
		Y	0.91	67.73	13.68		150.0	
		Z	1.34	73.93	15.68		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	4.73	93.04	24.47	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Ŷ	1.31	72.72	16.40		150.0	
		Z	6.43	94.81	23.11		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	10.60	89.87	26.40	9.03	50.0	± 9.6 %
		Y	10.25	88.78	26.08		50.0	
		Z	12.25	89.80	24.68		50.0	
10297- AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	Х	2.99	71.06	17.36	0.00	150.0	± 9.6 %
		Y	2.73	69.18	16.24		150.0	
		Ζ	2.72	70.32	16.96		150.0	
10298- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.90	70.47	15.90	0.00	150.0	± 9.6 %
		Y	1.56	67.01	13.91		150.0	<u> </u>
40000		Z	1.44	67.67	13.50		150.0	<u> </u>
10299- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	3.07	71.64	15.53	0.00	150.0	± 9.6 %
		Y	3.23	72.42	16.33		150.0	
10000		Z	2.17	67.61	12.32		150.0	<u> </u>
10300- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	2.19	66.26	12.34	0.00	150.0	± 9.6 %
	·	Y	2.31	66.80	13.02		150.0	
10204		Z	1.57	63.33	9.50		150.0	
	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	х	4.82	65.43	17.57	4.17	50.0	± 9.6 %
10301- 							<u> </u>	
		Ý	4.87	65.32	17.50		50.0	
AAA		Z	4.60	65.32 65.72	<u>17.50</u> 17.49		50.0 50.0	
	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)					4.96	50.0 50.0 50.0	± 9.6 %
AAA	IEEE 802.16e WiMAX (29:18, 5ms,	Z	4.60	65.72	17.49	4.96	50.0	± 9.6 %

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10303-	IEEE 802.16e WIMAX (31:15, 5ms,	X	5.06	65.83	18.21	4 00	<u> </u>	<u></u>
<u>AAA</u>	10MHz, 64QAM, PUSC)				10.21	4.96	50.0	±9.6 %
		Y	<u> </u>	65.70	18.12		50.0	†
10304-		Z	4.75	65.61	17.82		50.0	<u> </u>
AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.87	65.69	17.69	4.17	50.0	± 9.6 %
<u> </u>		Υ	4.90	65.47	17.55		50.0	· · · ·
40005		Z	4.58	65.56	17.35		50.0	
10305- AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.43	67.35	19.83	6.02	35.0	± 9.6 %
		Y	4.56	67.70	19.98		35.0	
		Z	4.15	67.17	19.10		35.0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.77	66.43	19.36	6.02	35.0	± 9.6 %
		Y	4.86	66.61	19.45		35.0	
10007		Z	4.49	66.31	18.82		35.0	
10307- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	4.67	66.65	19.36	6.02	35.0	± 9.6 %
		Y	4.78	66.88	19.46		35.0	
10200		Z	4.37	66.39	18.75		35.0	
10308- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.64	66.81	19.48	6.02	35.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.74	67.03	19.58		35.0	-
10200		Z	4.35	66.60	18.90		35.0	
10309- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.84	66.72	19.54	6.02	35.0	± 9.6 %
		Y	4.94	66.92	19.63		35.0	
		Z	4.52	66.47	18.95		35.0	
10310- 	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.71	66.49	19.33	6.02	35.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · · ·	Y	4.81	66.68	19.42		35.0	
		Ž	4.43	66.37	18.80		35.0	
10311- AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.36	70.26	16.95	0.00	150.0	± 9.6 %
		Y	3.08	68.46	15.91		150.0	
		Z	3.08	69.51	16.57	_	150.0	
10313- AAA	IDEN 1:3	X	5.95	81.40	19.48	6.99	70.0	± 9.6 %
		Y	4.30	76.35	17.48		70.0	
		Z	3.21	73.80	16.43		70.0	
10314- AAA	iDEN 1:6	X	12.17	97.07	27.72	10.00	30.0	± 9.6 %
		Y	7.44	87.94	24.60		30.0	
		Z	6.18	85.76	23.72		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.10	64.61	16.02	0.17	150.0	± 9.6 %
	<u> </u>	Y	1.01	63.21	14.85		150.0	·
40040		Z	1.05	<u>64</u> .14	15.48		150.0	<u> </u>
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.65	66.81	16.47	0.17	150.0	± 9.6 %
	<u> </u>	Y	4.62	66.42	16.27		150.0	
40047		Z	4.46	66.78	16.31		150.0	
10317- AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	×	4.65	66.81	16.47	0.17	150.0	±9.6 %
	<u> </u>	Y_	4.62	66.42	16.27		150.0	
10400-	IEEE 802.11ac WiFi (20MHz, 64-QAM,	Z X	<u>4.46</u> 4.78	66.78 67.16	<u>16.31</u> 16.44	0.00	150.0 150.0	± 9.6 %
AAD	99pc duty cycle)	Y	4 74	66 70	- 10.01			
	<u> </u>		4.74	66.73	16.21		150.0	
10401-	IEEE 802.11ac WiFi (40MHz, 64-QAM,	Z	4.55	67.11	16.31		150.0	
AAD	99pc duty cycle)	X	5.43	67.23	16.53	0.00	150.0	±9.6 %
	<u> </u>	Y	5.42	66.92	16.38		150.0	
	<u> </u>	Z	5.24	67.11	16.40		150.0	

10402- AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.71	67.66	16.59	0.00	150.0	± 9.6 %
		Y	5.70	67.34	16.43		150.0	
		Z	5.52	67.48	16.45		150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.95	72.86	16.32	0.00	115.0	± 9.6 %
		Υ.	1.38	67.46	13.46		115.0	
		Z	1.34	68.81	13.27		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	X	1.95	72.86	16.32	0.00	115.0	± 9.6 %
		Y	1.38	67.46	13.46	_	115.0	
10406-		Z	1.34	68.81	13.27		115.0	
AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	122.38	30.73	0.00	100.0	±9.6 %
	······································	Y	81.48	123.67	32.28		100.0	
10110		<u>Z</u>	100.00	<u>11</u> 4.83	_ 26.66		100.0	
10410- AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	123.65	31.04	3.23	80.0	± 9.6 %
		Y	100.00	127.30	33.02		80.0	
10115		Z	100.00	122.18	29.60		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	×	1.02	63.74	15.40	0.00	150.0	± 9.6 %
		Y	0.94	62.36	14.20		150.0	
10440		Z	0.99	63.49	14.99		150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	X	4.59	66.79	16.39	0.00	150.0	± 9.6 %
		Ý	4.55	66.36	16.15		150.0	
		Z	4.42	66.82	16.27		150.0	
10417- 	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.59	66.79	16.39	0.00	150.0	± 9.6 %
	<u> </u>	Y	4.55	66.36	16.15		150.0	
		Z	4.42	66.82	16.27		150.0	
10418- AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	x	4.58	66.96	16.41	0.00	150.0	± 9.6 %
		Y	4.54	<u>66.</u> 49	16.15		150.0	
40440		Ζ	4.42	67.01	16.31		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.61	66.90	16.41	0.00	150.0	± 9.6 %
	<u> </u>	Y.	4.56	66.45	16.16		150.0	
40.400		Z	4.43	66.95	16.30		150.0	
10422- AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.73	66.90	16.41	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.69	66.47	16.18		150.0	
40400		Z	4.54	66.92	16.31		150.0	
10423- AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.91	67.24	16.54	0.00	150.0	± 9.6 %
		Ý	4.87	66.82	16.31		150.0	
10424-		Z	4.68	67.21	<u>16.4</u> 0		150.0	
AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.82	67.19	16.51	0.00	150.0	± 9.6 %
	<u> </u>	Y	4.79	66.76	16.28		150.0	
10425-		Z	4.61	67.16	16.38		150.0	
AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.41	67.47	16.65	0.00	150.0	±9.6 %
	<u> </u>	<u>Y</u>	5.40	<u>67.</u> 17	16.50		150.0	
10426-		Z	5.21	67.35	16.53		150.0	
AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.41	67.47	16.65	0.00	150.0	± 9.6 %
		Y	5.40	67.19	16.50		450.0	
		Ż	5.23	67.42	16.50		150.0	

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10427- AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.42	67.47	16.64	0.00	150.0	± 9.6 %
		Y	5.41	67.16	16.48	<u> </u>	450.0-	
		Ż	5.22	67.32		<u> </u>	150.0	<u> </u>
10430-	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.40	71.17	<u>16.51</u> 18.58		150.0	
AAC						0.00	150.0	± 9.6 %
	+	Y	4.23	70.08	17.99		150.0	
10431-	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	<u>Z</u>	4.30	72.10	_18.56		150.0	
AAC		X	4.31	67.42	16.46	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	4.26	66.88	16.15		150.0	
40420		Z	4.07	67.45	16.24		150.0	
10432- LTE-F AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.60	67.26	16.49	0.00	150.0	± 9.6 %
		Y	4.56	66.79	16.22		150.0	
40400		Z	4.38	67.26	16.33		150.0	
10433- LTE-FDD (OFDMA, 20 MHz, E-TM 3.1) AAC	X	4.84	67.23	16.53	0.00	150.0	±9.6 %	
		Y	4.80	66.80	16.30		150.0	
		Z	4.63	67.20	16.40		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.54	72.17	18.64	0.00	150.0	± 9.6 %
		Y	4.31	70.81	17.94		150.0	<u> </u>
		Z	4.47	73.20	18.53		150.0	
10435- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.43	30.93	3.23	80.0	± 9.6 %
		Y	100.00	127.09	32.93		80.0	
		Z	100.00	121.88	29.46		80.0	
10447- AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.63	67.60	15.97	0.00	150.0	± 9.6 %
		Y	3.55	66.82	15.51		150.0	
		Ż	3.36	67.49	15.39		150.0	
10448- AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.14	67.21	16.33	0.00	150.0	± 9.6 %
		Y	4.08	66.64	16.00		150.0	
		z	3.93	67.24	16.11		150.0	
10449- AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	×	4.40	67.10	16.39	0.00	150.0	± 9.6 %
		Y	4.35	66.60	16.11		450.0	
		z	4.21	67.10	16.24		150.0	
10450- AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.59	67.00	16.40	0.00	150.0 150.0	±9.6 %
		Ý	4.54	66.54	16.14		450.0-	
		~	4.41				150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.56	<u>66.</u> 98 67.91	<u>16.27</u> 15.68	0.00	1 <u>50.0</u> 150.0	±9.6%
		Y	3.45	67.01	15.16		150.0	
		z	3.21	67.51	14.85		150.0	
10456- AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.26	68.01	16.78	0.00	150.0	± 9.6 %
		Y	6.26	67.75	16.66		150.0	
		ż	6.13	67.97	16.72		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.81	65.42	16.11	0.00	150.0	± 9.6 %
		Ý	3.77	64.98	15.86		150.0	
10458-		Z	3.73	65.50	15.98		<u> 15</u> 0.0	
AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	4.16	71.37	18.08	0.00	150.0	± 9.6 %
	<u></u>	<u>Y</u>	3.92	69.91	17.32		150.0	
10450		Z	4.02	72.11	17.63		150.0	
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	5.19	68.40	18.36	0.00	150.0	± 9.6 %
		LΥ	5.10	67.75	18.06		150.0	
		Z	5.01	69.18	18.25		150.0	— -

10460- AAA	UMTS-FDD (WCDMA, AMR)	X	1.07	72.05	18.39	0.00	150.0	± 9.6 %
		Y	0.81	67.05	15.17		150.0	
		Z	0.95	70.49	17.24	<u> </u>	150.0	
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	100.00	129.11	33.59	3.29	80.0	± 9.6 %
		_ Y _	100.00	132.68	35.56		80.0	
		Z	100.00	128.17	32.38		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	29.76	94.39	20.32	3.23	80.0	± 9.6 %
		Y	100.00	112.07	25.94		80.0	
10463-		Z	0.79	60.49	7.76		80.0	
AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.50	68.97	12.20	3.23	80.0	± 9.6 %
	<u> </u>	<u>Y</u>	100.00	107.58	23.85		80.0	
10464		Z	0.77	60.00	6.89		80.0	
10464- AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.29	32.12	3.23	80.0	± 9.6 %
		Y	100.00	130.29	34.26		<u>8</u> 0.0	
10465-		Z	100.00	124.25	30.42	<u> </u>	80.0	
AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	9.13	82.53	17.12	3.23	80.0	±9.6%
		Y	100.00	111.30	25.58		80.0	
10466-		Z	0.75	60.00	7.44		80.0	
AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.98	66.71	11.27	3.23	80.0	± 9.6 %
		Y	99.88	106.88	23.53		80.0	
10467-		Z	0.78	60.00	6.83		80.0	
_AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.60	32.25	3.23	80.0	± 9.6 %
	+	<u>Y</u>	100.00	130.59	34.40		80.0	
10468-		Z	100.00	124.67	_30.60		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	×	11.66	85.00	17.83	3.23	80.0	± 9.6 %
		Ϋ́	100.00	111.53	25.68		80.0	
10469-		<u>Z</u>	0.75	60.09	7.51		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	×	1.98	66.75	11.28	3.23	80.0	± 9.6 %
		Y	100.00	106.90	23.54		80.0	
10470-		Z.	<u>0.7</u> 7	60.00	6.83		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.64	32.26	3.23	80.0	± 9.6 %
		Y	100.00	130.65	34.41		80.0	
10471		Z	100.00	124.69	30.60		80.0	
10471- AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	11.32	84.67	17.72	3.23	80.0	± 9.6 %
	<u> </u>	<u>Y</u>	100.00	111.46	25.64		80.0	
10472-		Z	0.75	60.04	7.47		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.96	66.63	11.22	3.23	80.0	±9.6 %
	<u> </u>	Y	100.00	106.82	23.49		80.0	
10473-		Z	0.77	60.00	6.81		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	126.60	32.24	3.23	80.0	±9.6 %
	+	Y	100.00	130.61	34.39		80.0	
10474- AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Z X	100.00 11.06	<u>124.64</u> 84.45	<u>30.58</u> 17.66	3.23	80.0 80.0	± 9.6 %
			400 00					
		Y	100.00	111.47	25.64		80.0	
10475-	LITE-TOD (SC EDMA 4 DD 45 M	Z	0.74	60.02	7.45		80.0	
AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.95	66.59	11.20	3.23	80.0	± 9.6 %
_		Y	99.99	106.84	23.50		80.0	
		Z	0.77	60.00	6.81		80.0	

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10477- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	9.10	82.47	17.07	3.23	80.0	± 9.6 %
		Y	100.00	111.24	25.54	<u> </u>	80.0	·
		Z	0.74	60.00	7.42	<u> </u>	80.0	+
10478- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.93	66.47	11.14	3.23	80.0	± 9.6 %
		Ý	96.81	106.44	23.40		80.0	<u> </u>
		Z	0.77	60.00	6.80		80.0	<u> </u>
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	9.68	90.97	25.10	3.23	80.0	±9.6 %
		Y	13.83	97.37	27.65		80.0	
40400		Z	12.23	94.71	25.17		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	11.91	88.02	22.17	3.23	80.0	± 9.6 %
		Y	19.25	95.65	25.10		80.0	
		Z	7.50	81.30	18.54		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	9.15	83.59	20.38	3.23	80.0	± 9.6 %
	·	Υ	15.12	91.18	23.39		80.0	
10400		Z	4.40	74.24	15.71		80.0	
10482- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.76	79.70	20.44	2.23	80.0	± 9.6 %
		Y	3.53	74.74	18.45		80.0	
10483-		Z	2.62	71.60	16.13		80.0	
10483- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.87	78.17	19.16	2.23	80.0	± 9.6 %
		Y	8.24	83.44	21.55		80.0	
40404		Z	2.93	69.04	14.15		80.0	
10484- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.35	76.61	18.60	2.23	80.0	± 9.6 %
		Y	7.24	81.28	20.83		80.0	
		Z	2.73	67.94	13.69		80.0	<u> </u>
10485- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.47	78.87	21.04	2.23	80.0	± 9.6 %
		Ϋ́	3.68	75.23	19.49		80.0	
		Z	3.15	74,27	18.50		80.0	
10486- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.79	72.50	18.04	2.23	80.0	± 9.6 %
		Y	3.38	70.29	17.05		80.0	
		Z	2.84	69.02	15.57	<u> </u>	80.0	
10487- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.74	71.89	17.77	2.23	80.0	± 9.6 %
		Y	3.37	69.86	16.85		80.0	-
		Ζ	2.81	68.50	15.32		80.0	
10488- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.24	75.86	20.43	2.23	80.0	± 9.6 %
		Y	3.83	73.65	19.40		80.0	-
		Ζ	3.28	72.72	18.85	_	80.0	
10489- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.72	70.49	18.27	2.23	80.0	± 9.6 %
		Ϋ́	3.53	69.26	17.66		80.0	
		Z	3.19	68.97	17.14		80.0	
10490- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.79	70.18	18.14	2.23	80.0	± 9.6 %
		Y	3.62	69.04	17.58		80.0	
10101		Z	3.27	68.77	17.05		80.0	
10491- _AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.23	73.19	19.42	2.23	80.0	±9.6 %
		Y	3.95	71.65	18.67		80.0	
10.5		_Z	3.47	70.90	18.25		80.0	
10492- AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.97	69.24	17.95	2.23	80.0	±9.6 %
		Y_	3.85	<u>6</u> 8.36	17.51		80.0	
		Z	3.50	68.04	17.11		80.0	İ

10493-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	X	4.03	69.04	17.87	2.23	80.0	± 9.6 %
AAD	64-QAM, UL Subframe=2,3,4,7,8,9)				<u> </u>			
		Y	3.92	68.21	17.46		80.0	
10494-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	Z	3.56	67.90	17.04		80.0	
	QPSK, UL Subframe=2,3,4,7,8,9)	X	4.79	75.46	20.14	2.23	80.0	±9.6 %
		Y	4.38	73.53	19.24		80.0	
10495-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	Z	3.78	72.48	18.78		80.0	
AAE	16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.03	69.76	18.19	2.23	80.0	± 9.6 %
	<u>+</u>	Y	3.90	68.85	17.73		80.0	
10496-	LTE-TDD (SC-FDMA, 50% RB, 20 MHz,	Z	3.53	68.35	17.31		80.0	
AAE	64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.08	69.35	18.04	2.23	80.0	± 9.6 %
		Y	3.97	68.51	17.62		80.0	
10497-		Z	3.60	68.09	17.22		80.0	
AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.72	75.87	18.08	2.23	80.0	± 9.6 %
	·	Y	2.64	70.76	<u>15.9</u> 8		80.0	
10400		Z	1.51	64.60	11.77		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	x	2.30	66.27	12.99	2.23	80.0	± 9.6 %
		Y	2.02	64.31	12.06		80.0	
40100		Z	1.20	60.00	8.21		80.0	
10499- AAA 	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.18	65.35	12.41	2.23	80.0	± 9.6 %
		Y	1.97	63.70	11.62		80.0	
		Z	1.22	60.00	8.05		80.0	
10500- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.19	76.87	20.53	2.23	80.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	3.63	74.04	19.27		80.0	
		Z	3.15	73.35	18.54		80.0	
10501- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.74	71.57	18.07	2.23	80.0	± 9.6 %
		Y	3.44	69.83	17.26		80.0	
40.00		Z	3.03	69.25	16.29		80.0	
10502- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.79	71.34	17.92	2.23	80.0	± 9.6 %
		Y	3.50	69.66	17.14		80.0	
		Z	3.07	69.05	16.12		80.0	† ·
10503- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.18	75.62	20.32	2.23	80.0	± 9.6 %
		Y	<u>3.</u> 77	73.43	19.30		80.0	
10504		Z	3.23	72.50	18.74	<u></u>	80.0	
10504- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.70	70.40	18.21	2.23	80.0	± 9.6 %
·		Y	3.52	69.18	17.61		80.0	· · · ·
10505		Z	3.17	68.86	17.07		80.0	
10505- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.77	70.08	18.09	2.23	80.0	± 9.6 %
		Y	3.60	68.95	17.53		80.0	
10506-		Z	3.25	68.67	16.99		80.0	
AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	x	4.74	75.29	20.06	2.23	80.0	±9.6%
		Y	4.34	73.37	19.17		80.0	
10507		Z	<u>3.7</u> 4	72.32	18.70		80.0	
10507- AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.01	69.69	18.15	2.23	80.0	± 9.6 %
		ΥT	3.88	68.79	17.69		80.0	

10508-	LTE-TDD (SC-FDMA, 100% RB, 10							
AAD	MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	4.07	69.28	18.00	2.23	80.0	± 9.6 %
		†γ-	3.96	68.45	17.58	┼━───		<u> </u>
		Ż	3.59	68.02	17.56		80.0	
10509-	LTE-TDD (SC-FDMA, 100% RB, 15	X	4.87	73.12	19.15		80.0	<u> </u>
AAD	MHz, QPSK, UL Subframe=2,3,4,7,8,9)					2.23	80.0	± 9.6 %
		Y	4.57	71.69	18.46		80.0	
10510-	LTE-TDD (SC-FDMA, 100% RB, 15	Z	4.08	70.95	18.12		80.0	
AAD	MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.46	69.19	17.97	2.23	80.0	±9.6 %
		Y	4.36	68.46	17.61		80.0	† <u> </u>
40544		Z	3.98	67.93	17.23		80.0	
10511- AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.49	68.83	17.85	2.23	80.0	± 9.6 %
		Y	4.40	68.15	17.52		80.0	
10510		Z	4.03	67.70	17.16		80.0	<u> </u>
10512- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.35	75.53	19.95	2.23	80.0	± 9.6 %
		Y	4.89	73.64	19.09	<u> </u>	80.0	
10515		Z	4.27	72.56	18.64		80.0	+
10513- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.37	69.62	18.15	2.23	80.0	± 9.6 %
		Y	4.26	68.83	17.75		80.0	
		Z	3.86	68.15	17.33		80.0	
10514- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.36	69.04	17.95	2.23	80.0	±9.6 %
		Y	4.26	68.32	17.60	<u> </u>	80.0	
		Z	3.89	67.75	17.20		80.0	F —
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.98	64.01	15.52	0.00	150.0	± 9.6 %
	<u> </u>	<u>Y</u>	0.90	62.52	14.23		150.0	_
40540		Z	0.95	_63.71	15.08		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.96	80.43	22.24	0.00	150.0	± 9.6 %
		Y	0.52	<u>69.16</u>	15.73		150.0	
40547		Z	0.74	<u>75</u> .71	19.80		150.0	
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.87	66.95	16.73	0.00	150.0	±9.6%
<u> </u>	<u> </u>	Y	0.75	64.30	14.64		150.0	
40510		Z	0.81	66.10	15.98		150.0	
10518- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.59	66.88	16.37	0.00	150.0	±9.6 %
	+	Y	4.55	66.43	16.12	_	150.0	
40540		Z	4.41	66.91	16.25		150.0	
10519- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.79	67.13	16.49	0.00	150.0	±9.6 %
	<u> </u>	Y	4.75	66.71	16.26		150.0	·
40500		Z	4.57	67.10	16.35		150.0	
10520- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.64	67.11	16.43	0.00	150.0	± 9.6 %
	<u> </u>	Y	4.60	66.67	<u>16</u> .18		150.0	
10524		Z	4.43	67.05	16.27		150.0	
10521- AAB	IEEE 802.11a/h WIFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.57	67.12	16.42	0.00	150.0	±9.6 %
		Y	4.53	66.66	16.16		150.0	
10500		Z	4.36	67.04	16.26		150.0	
10522- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.63	67.16	16.48	0.00	150.0	± 9.6 %
		Y	4.59	66.70	16.22		150.0	
		Z	4.42	67.17	16.36		150.0	

10523-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48	v	4 6 4	07.05	40.04	0.00	450.0	
AAB	Mbps, 99pc duty cycle)	X	4.51	67.05	16.34	0.00	150.0	± 9.6 %
		Y	4.46	66.56			150.0	
40504		Z	4.33	67.10	16.24		150.0	
10524- 	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.58	67.09	16.46	0.00	150.0	± 9.6 %
		Y	4.53	66.64	16.20		150.0	
		Z	4.37	67.10	16.33		150.0	
10525- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	Х	4.55	66.14	16.05	0.00	150.0	± 9.6 %
		Y	4.50	65.66	15.78		150.0	
40.000		Ζ	4.38	66.18	15.95		150.0	
10526- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.74	66.53	16.19	0.00	150.0	± 9.6 %
	······································	Y	4.69	66.05	15.93		150.0	
		Z	4.52	66.50	16.07		150.0	
10527- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.66	66.50	16.15	0.00	150.0	± 9.6 %
		Y	4.61	66.01	15.87		150.0	
40505		Z	4.45	66.47	16.02		150.0	
10528- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.67	66.52	16.18	0.00	150.0	± 9.6 %
		Y	4.62	66.03	15.91		150.0	
40526		Z	4.47	66.48	16.05		150.0	
10529- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.67	66.52	16.18	0.00	150.0	± 9.6 %
		Y	4.62	66.03	15.91		150.0	· · · · · · · · · · · · · · · · · · ·
		Z	4.47	66.48	16.05		150.0	
10531- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.67	66.65	16.20	0.00	150.0	± 9.6 %
		Y	4.63	66.16	15.93		150.0	
		Z	4.44	66.54	16.04		150.0	
10532- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.53	66.51	16.14	0.00	150.0	± 9.6 %
		Y	4.48	66.01	15.86		150.0	
		Z	4.32	66.41	15.98		150.0	<u> </u>
10533- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.68	66.56	16.16	0.00	150.0	±9.6 %
		Y	4.63	66.06	15.89		150.0	
		Z	4.48	66.56	16.05		150.0	
10534- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.19	66.60	16.20	0.00	150.0	± 9.6 %
		Y	5.16	66.20	15.99		150.0	
		Z	5.01	66.50	16.09	·	150.0	
10535- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.26	66.75	16.27	0.00	150.0	±9.6 %
		Y	5.22	66.35	16.06		150.0	
		Z	5.06	66.65	16.16		150.0	— ·· — — —
10536- AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.13	66.73	16.24	0.00	150.0	± 9.6 %
		Y	5.09	66.32	16.02		150.0	·
10507		Z	4.95	66.64	16.13		150.0	
10537- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.19	66.69	16.22	0.00	150.0	±9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	5.15	66.30	16.01		150.0	
10520		Z	5.00	66.59	16.11		150.0	
10538- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.28	66.73	16.28	0.00	150.0	±9.6 %
		Y	5.26	66.36	16.08		150.0	
405.10		Z	5.08	66.58	16.14		150.0	
10540- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.21	66.72	16.29	0.00	150.0	± 9.6 %
		Y	5.17	66.33	16.08		150.0	
					10.06		ייייתו ו	

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10541- AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.18	66.60	16.22	0.00	150.0	± 9.6 %
		Υ ·	5.14		L			
		Z	4.99	66.20	16.01	<u> </u>	150.0	
10542-	IEEE 802.11ac WiFi (40MHz, MCS8,	$\frac{2}{X}$	5.33	66.47	16.09		150.0	
AAB	99pc duty cycle)			66.65	16.26	0.00	150.0	± 9.6 %
		Y	5.31	66.28	16.07		150.0	
10543-	IEEE 802.11ac WiFi (40MHz, MCS9,	Z	<u> </u>	66.55			150.0	
<u>AAB</u>	99pc duty cycle)	X	5.41	66.68	16.29	0.00	150.0	± 9.6 %
		Y	5.39	66.31	16.11		150.0	
10544-		Z	5.20	66.56	16.18		150.0	
AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.49	66.70	16.18	0.00	150.0	± 9.6 %
<u> </u>		<u> </u>	5.45	66.31	15.98		150.0	
		Z	5.34	66.58	16.07		150.0	
10545- AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.68	67.09	16.32	0.00	150.0	± 9.6 %
		Y	5.66	66.76	16.15		150.0	
		Z	5.51	66.98	16.23		150.0	<u> </u>
10546- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.57	66.94	16.26	0.00	150.0	± 9.6 %
		Y	5.54	66.57	16.08		150.0	
		Z	5.38	66.73	16.11		150.0	
10547- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.64	66.98	16.27	0.00	150.0	± 9.6 %
		Y	5.63	66.66	16.11		150.0	
		Z	5.45	66.79	16.14		150.0	
10548- AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.90	67.92	16.71	0.00	150.0	± 9.6 %
		Y	5.97	67.87	16.68		150.0	
		Z	5.63	67.50	16.47		150.0	
10550- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.59	66.92	16.26	0.00	150.0	± 9.6 %
		Y	5.55	66.54	16.07		150.0	
		† <u>z</u>	5.42	66.82	16.17	<u> </u>	150.0	
10551- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	x	5.60	66.98	16.25	0.00	150.0	±9.6 %
		Y	5.56	66.60	16.06		150.0	
		Ż	5.40	66.75	16.10		150.0	
10552- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.51	66.77	16.16	0.00	150.0	± 9.6 %
		Y	5.47	66.37	15.96		150.0	
_	· · · · · · · · · · · · · · · · · · ·	Ż	5.35	66.67	16.06			
10553- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.60	66.81	16.21	0.00	<u>150.0</u> 150.0	±9.6%
		$+\gamma$	5.56	66.43	16.01		150.0	
		Z	5.41	66.65	16.08		150.0	
10554- AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.89	67.05	16.26	0.00	150.0	±9.6%
		Y	5.86	66.69	16.08		150.0	
		Ż	5.75	66.91	16.14		150.0	
10555- AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.02	67.35	16.38	0.00	150.0	± 9.6 %
		T	6.00	67.02	16.22		150.0	
		Z	5.86	67.17	16.25		150.0	
10556- AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.04	67.39	16.40	0.00	150.0	± 9.6 %
		Y	6.02	67.06	16.23		150.0	
		Z	5.88	67.24	16.28		150.0	_
10557- AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.01	67.32	16.38	0.00	150.0	±9.6 %
		++		<u> </u>	· ·			
		Y	5.99	66.98	16.22		150.0	

10558-	IEEE 802.11ac WiFi (160MHz, MCS4,	X	6.07	67.49	16.48	0.00	150.0	± 9.6 %
AAC _	99pc duty cycle)	+					<u> </u>	
		<u>Y</u>	6.05	67.17	16.33		150.0	
40500		Z	5.88	67.26	16.33		_ 150.0	
10560- AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.06	67.34	16.44	0.00	150.0	± 9.6 %
		Y	6.04	66.99	16.28		150.0	
		Z	5.88	67.13	16.30		150.0	
10561- <u>A</u> AC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	5.98	67.30	16.46	0.00	150.0	± 9.6 %
		Y	5.96	66.96	16.30		150.0	
		Ż	5.81	67.11	16.32		150.0	
10562- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.11	67.72	16.67	0.00	150.0	± 9.6 %
		Y	6.12	67.46	16.55		150.0	
		Z	5.89	67.37	16.45		150.0	
10563- AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.43	68.23	16.87	0.00	150.0	± 9.6 %
		Y	6.50	68.16	16.85		150.0	-
		Z	5.96	67.23	16.35	<u> </u>	150.0	· ·
10564- AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.91	66.93	16.51	0.46	150.0	± 9.6 %
		Y	4.88	66.54	16.31		150.0	
		Z	4.73	66.93	16.37		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	Х	5.16	67.40	16.83	0.46	150.0	± 9.6 %
_		Y	5.13	67.02	16.64		150.0	
		z	4.93	67.35	16.69		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	Х	4.99	67.26	16.66	0.46	150.0	± 9.6 %
		Y	4.96	66.87	16.45		150.0	
		Z	4.77	67.18	16.50	<u> </u>	150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	5.02	67.67	17.02	0.46	150.0	± 9.6 %
		Y	4.98	67.25	16.79		150.0	
		Z	4.81	67.60	16.88		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.90	67.00	16.42	0.46	150.0	± 9.6 %
		Y	4.87	66.62	16.22		150.0	
		z	4.67	66.94	16.22		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	4.97	67.73	17.07	0.46	150.0	± 9.6 %
		Y	4.93	67.29	16.83		150.0	
		z	4.78	67.78	10.00			
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	5.01	67.57	16. <u>99</u> 17.00	0.46	<u>150.0</u> 150.0	± 9.6 %
		Y	4.97	67.15	16.77		150.0	
		Z	4.80	67.57	16.89		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.17	65.22	16.39	0.46	130.0	± 9.6 %
		Y	1.09	63.89	15.30		130.0	
							130.0	
		ZI	1.10	04.48	15.68			
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	Z X	1.10	<u>64.48</u> 65.91	15.68 16.81	0.46	130.0	± 9.6 %
	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X Y				0.46	130.0	± 9.6 %
<u>AAA</u>	Mbps, 90pc duty cycle)	X Y	1.19 1.10	65.91 64.45	16.81 15.65	0.46	130.0 130.0	± 9.6 %
	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	1.19	65.91	16.81	0.46	130.0	± 9.6 %
AAA 10573-	Mbps, 90pc duty cycle)	X Y Z X	1.19 <u>1.10</u> <u>1.12</u> 11.95	65.91 64.45 65.08 118.97	16.81 15.65 16.07 33.95		130.0 130.0 130.0 130.0	
AAA 10573- AAA	Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X Y Z X Y	1.19 1.10 1.12 11.95 2.10	65.91 64.45 65.08 118.97 86.50	16.81 15.65 16.07 33.95 22.92		130.0 130.0 130.0 130.0 130.0	
AAA 10573-	Mbps, 90pc duty cycle)	X Y Z X	1.19 <u>1.10</u> <u>1.12</u> 11.95	65.91 64.45 65.08 118.97	16.81 15.65 16.07 33.95		130.0 130.0 130.0 130.0	
AAA 10573- AAA 10574-	Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	X Y Z X Y Z	1.19 1.10 1.12 11.95 2.10 2.78	65.91 64.45 65.08 118.97 86.50 93.83	16.81 15.65 16.07 33.95 22.92 26.37	0.46	130.0 130.0 130.0 130.0 130.0 130.0	± 9.6 %

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10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	X	4.69	66.71	16.57	0.46	130.0	± 9.6 %
·		Y	4.67	66.34	16.38		130.0	
10576-		Z	4.50	66.68	16.40		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X	4.72	66.88	16.64	0.46	130.0	± 9.6 %
		Y	4.69	66.50	16.44	<u> </u>	130.0	<u> </u>
40577		Z	4.53	66.88	16.48		130.0	<u>├ - </u>
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	4.94	67.20	16.81	0.46	130.0	±9.6 %
		Y	4.91	66.83	16.62		130.0	
10578-		Z	4.71	67.13	16.63		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.83	67.37	16.92	0.46	130.0	±9.6 %
	<u> </u>	Y	4.81	66.98	16.72		130.0	
10579-		Z	4.61	67.29	16.74		130.0	
<u>AAA</u>	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.60	66.66	16.24	0.46	130.0	± 9.6 %
		Y	4.57	66.30	16.05		130.0	
10580-		Z	4.37	66.49	16.00		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.64	66.67	16.25	0.46	130.0	± 9.6 %
		Y	4.62	66.31	16.06	_	130.0	
10581-		<u>Z</u>	4.41	66.55	16.03		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	4.73	67.42	16.87	0.46	130.0	± 9.6 %
		Y.	4.70	67.02	16.65		130.0	
10500		Ż	4.52	67.36	16.71		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.54	66.41	16.03	0.46	130.0	± 9.6 %
		Y	4.53	66.07	15.85		130.0	
		Z	4.30	66.25	15.78		130.0	
10583- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.69	66.71	16.57	0.46	130.0	± 9.6 %
		Y	4.67	66.34	16.38		130.0	
		Z	4.50	66.68	16.40		130.0	
10584- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.72	66.88	16.64	0.46	130.0	± 9.6 %
		Y	4.69	66.50	16.44		130.0	
		Z	4.53	66.88	16.48		130.0	
10585- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.94	67.20	16.81	0.46	130.0	± 9.6 %
		Y	4.91	66.83	16.62		130.0	
		Z	4.71	67.13	16.63		130.0	
10586- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.83	67.37	16.92	0.46	130.0	± 9.6 %
		Y	4.81	66.98	16.72		130.0	
1050-		Z	4.61	67.29	16.74		130.0	
10587- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.60	66.66	16.24	0.46	130.0	±9.6%
		Y	4.57	66.30	16.05		130.0	
40700		Z	4.37	66.49	16.00		130.0	
10588- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.64	66.67	16.25	0.46	130.0	±9.6 %
		Y	4.62	66.31	16.06		130.0	
10590		Z	4.41	66.55	16.03		130.0	
10589- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.73	67.42	16.87	0.46	130.0	±9.6 %
		Y	4.70	67.02	16.65		130.0	
10500		Z	4.52	67.36	16.71		130.0	
10590- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.54	66.41	16.03	0.46	130.0	± 9.6 %
		Y	4.53	<u>66.</u> 07	15.85		130.0	
		Z	4.30	66.25	15.78		130.0	

10591-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.84	66.77	16.66	0.46	130.0	± 9.6 %
AAB	MCS0, 90pc duty cycle)			00.77	10.00	0.40	100.0	1 3.0 %
		Y	4.82	66.41	16.48	_	130.0	
		Z	4.66	66.76	16.51		130.0	
10592-	IEEE 802.11n (HT Mixed, 20MHz,	X	5.01	67.12	16.79	0.46	130.0	± 9.6 %
AAB	MCS1, 90pc duty cycle)							- 0.0 /0
		Y	4.99	66.76	16.61		130.0	
		Z	4.79	67.07	16.64		130.0	
10593-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.93	67.04	16.68	0.46	130.0	± 9.6 %
AAB	MCS2, 90pc duty cycle)							20.0 /0
		Y .	4.91	66.69	16.51		130.0	
		Ζ :	4.71	66.95	16.50		130.0	
10594-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.98	67.20	16.83	0.46	130.0	± 9.6 %
AAB	MCS3, 90pc duty cycle)	_				ĺ		
		Y	4.96	66.84	16.65		130.0	
	·	Z	4.76	67.13	16.67		130.0	
10595-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.95	67.16	16.73	0.46	130.0	± 9.6 %
AAB	MCS4, 90pc duty cycle)							
		Y	4.93	66.80	16.55		130.0	
		Z	4.73	67.10	16.57		130.0	·
10596-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.89	67.16	16.74	0.46	130.0	± 9.6 %
AAB	MCS5, 90pc duty cycle)							
		Y	4.87	66.79	16.55		130.0	
		Z	4.66	67.08	16.56		130.0	· · · ·
10597-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.84	67.08	16.63	0.46	130.0	± 9.6 %
AAB	MCS6, 90pc duty cycle)		_					
		Ý	4.82	66.71	16.44		130.0	
		Z	4.61	66.96	16.43	_	130.0	
10598-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.82	67.33	16.90	0.46	130.0	± 9.6 %
AAB	MCS7, 90pc duty cycle)							0.0 /0
		Y	4.80	66.95	16.70		130.0	
·		Z	4.60	67.20	16.70		130.0	<u>†</u>
10599-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.51	67.30	16.83	0.46	130.0	± 9.6 %
_AAB	MCS0, 90pc duty cycle)						100.0	10.0 /0
		Y	5.50	67.04	16.72		130.0	
		Z	5.31	67.18	16.69		130.0	
10600-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.66	67.75	17.03	0.46	130.0	± 9.6 %
AAB	MCS1, 90pc duty cycle)						100.0	1 2 0.0 /0
		Y	5.70	67.66	17.00		130.0	
		Z	5.42	67.55	16.85		130.0	
10601-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.54	67.49	16.91	0.46	130.0	± 9.6 %
AAB	MCS2, 90pc duty cycle)					0.40	100.0	1 3.0 %
<u> </u>		Y	5.55	67.29	16.83		130.0	
		Z	5.33	67.34	16.76		130.0	
10602-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.62	67.47	16.82	0.46	130.0	± 9.6 %
AAB	MCS3, 90pc duty cycle)				10.02	0.40	100.0	± 3.0 %
		Y	5.64	67.27	16.74	-	130.0	<u> </u>
		Z	5.46	67.51	16.77	<u>├</u>	130.0	<u> </u>
10603-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.72	67.83	17.13	0.46	130.0	±9.6 %
AAB	MCS4, 90pc duty cycle)			000		0.40	150.0	1 3.0 %
		Y	5.72	67.56	17.01		130.0	<u> </u>
		Z	5.53	67.80	17.05		130.0	
10604-	IEEE 802.11n (HT Mixed, 40MHz,	-+ -	5.51	67.26	16.84	0.46	130.0	+02 ~
AAB	MCS5, 90pc duty cycle)			01.20	10.04	0.40	130.0	± 9.6 %
		Y	5.51	67.00	16.72		130.0	├── <u>−</u>
		Z	5.40	67.44	16.85		130.0	<u> </u>
10605-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.62	67.58	16.99	0.46		
AAB	MCS6, 90pc duty cycle)		0.94	01.00	10.33	0.46	130.0	± 9.6 %
		Ŷ	5.63	67.37	16.91		120.0	<u> </u>
		Z		67.48			130.0	
10606-	IEEE 802.11n (HT Mixed, 40MHz,	2 X	5.39	67.04	16.86	0.40	130.0	
AAB	MCS7, 90pc duty cycle)		0.00	07.04	16.59	0.46	130.0	± 9.6 %
		Y	5.38	66.75	18 48	L	400.0	<u> </u>
			<u> </u>		16.46	L	130.0	<u> </u>
			0.10	66.82	16.39		130.0	

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10607- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.69	66.11	16.30	0.46	130.0	± 9.6 %
		Y	4.65	65.70	16.09		130.0	
10608-	IEEE 802 1100 WIEI (2014)	Z	4.51	66.12	16.16		130.0	
	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.89	66.54	16.47	0.46	130.0	± 9.6 %
		Y	4.86	66.13	16.26		130.0	
10609-		Z	4.67	66.48	16.32		130.0	
<u>AAB</u>	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	×	4.78	66.40	16.32	0.46	130.0	± 9.6 %
		Y	4.74	65.99	16.10		130.0	
10610-		Z	4.56	66.32	16.14		130.0	<u> </u>
	IEEE 802.11ac WIFi (20MHz, MCS3, 90pc duty cycle)	×	4.83	66.56	16.48	0.46	130.0	±9.6 %
		Y	4.80	66.15	16.27		130.0	
10611-	IEEE 802.11ac WiFi (20MHz, MCS4,	Z	4.61	66.49	16.31		130.0	
	90pc duty cycle)	X	4.74	66.37	16.33	0.46	130.0	±9.6 %
		<u> </u>	4.71	65.96	16.12		130.0	
10612-		Z	4.52	66.28	16.15		130.0	
AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.76	66.53	16.38	0.46	130.0	± 9.6 %
		<u> </u>	4.73	66.12	16.16		130.0	
10613-		Z	4.52	66.43	16.20		130.0	
AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.76	66.43	16.27	0.46	130.0	±9.6 %
		<u>Y</u>	4.74	66.03	16.06		130.0	
10614		Z	4.52	66.26	16.05		130.0	
10614- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.70	66.62	16.50	0.46	130.0	± 9.6 %
		Y	4.67	66.19	16.28		130.0	
40045		Z	4.48	66.49	16.31		130.0	
10615- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.74	66.19	16.10	0.46	130.0	± 9.6 %
		Y	4.72	65.79	15.90		130.0	
10616-		Z	4.52	<u>66</u> .11	15.92		130.0	
	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.34	66.61	16.47	0.46	130.0	± 9.6 %
		Y	5.32	66.28	16.32		130.0	
40047		Z	5.14	66.47	16.32		130.0	
10617- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.40	66.74	16.51	0.46	130.0	±9.6%
		Y	5.38	66.41	16.35		130.0	
40040		Z	5.21	66.65	16.39		130.0	
10618- AAB	IEEE 802.11ac WIFI (40MHz, MCS2, 90pc duty cycle)	×	5.29	66.79	16.56	0.46	130.0	± 9.6 %
	<u> </u>	Y	5.27	66.46	16.39		130.0	
10010		Z	5.11	<u>66.70</u>	16.43		130.0	
10619- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.31	66.61	16.40	0.46	130.0	± 9.6 %
	<u> </u>	Y	5.30	66.30	16.25		130.0	
10000		_ Z	5.11	66.46	16.24		130.0	
10620- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.41	66.67	16.47	0.46	130.0	± 9.6 %
		<u> </u>	5.41	66.38	16.34		130.0	
10621-		Z	5.19	66.48	16.30		130.0	
AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.40	66.76	16.64	0.46	130.0	± 9.6 %
	+	<u>Y</u>	5.38	66.43	<u>16.48</u>		130.0	
10622		<u></u>	5.21	66.64	16.50		130.0	
10622- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	×	5.41	66.91	16.70	0.46	130.0	±9.6%
		Ý	5.39	66.60	16.55		1 <u>30.</u> 0	
		Z	5.20	66.74	16.55		130.0	

10000							<u> </u>	<u> </u>
10623- AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.29	66.45	16.36	0.46	130.0	± 9.6 %
		Y	5.27	66.40	10 00		400.0	
	<u> </u>	Z	<u>5.27</u> 5.08	66.12	16.20		130.0	
10624-	IEEE 802.11ac WiFi (40MHz, MCS8,	$\frac{2}{X}$	5.48	<u>66.28</u> 66.64	<u>16.19</u> 16.51	0.46	_ <u>130.0</u> 130.0	± 9.6 %
AAB	90pc duty cycle)		J.40	00.04	10.51	0.40	130.0	±9.0%
		Y	5.47	66.35	16.38		130.0	
		Ż	5.28	66.51	16.36		130.0	
10625-	IEEE 802.11ac WiFi (40MHz, MCS9,		5.87	67.67	17.07	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)	~	0.01	01.01	11.01	0.40	130.0	1 9.0 %
		Y	5.92	67.56	17.03		130.0	
		Z	5.48	66.99	16.66		130.0	
10626-	IEEE 802.11ac WiFi (80MHz, MCS0,	X	5.62	66.65	16.41	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)			_				
		Y	5.59	66.32	16.26		130.0	
		Z	5.46	66.52	16.28		130.0	
10627-	IEEE 802.11ac WiFi (80MHz, MCS1,	X	5.86	67.19	16.64	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)							
		<u>Y</u>	5.87	66.96	16.54	_	130.0	
40000		Z	5.68	67.07	16.52		130.0	
10628- AAB	IEEE 802.11ac WiFi (80MHz, MCS2,	Х	5.67	66.78	16.37	0.46	130.0	±9.6 %
	90pc duty cycle)			0.0.1-	4			L
		Y	5.65	66.49	16.24		130.0	
10629-	IEEE 802.11ac WiFi (80MHz, MCS3,	Z	5.47	66.52	16.18		130.0	
AAB	_ 90pc duty cycle)	X	5.76	66.87	16.41	0.46	130.0	±9.6%
<u></u>		Y	5.74	00 FF	40.00		400.0	
		Z	5.55	66.55 66.62	16.26 16.22		130.0	
10630-	IEEE 802.11ac WiFi (80MHz, MCS4,	<u> </u>	6.21	68.41		0.46	130.0	
AAB	90pc duty cycle)	^	0.21	00.41	17.17	0.46	130.0	±9.6 %
		Y	6.36	68.57	17.26		130.0	
		Ż	5.84	67.72	16.78		130.0	
10631-	IEEE 802.11ac WiFi (80MHz, MCS5,	T	6.11	68.22	17.27	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)			00.22	11.21	0.40	100.0	1 9.0 %
		Y	6.15	68.07	17.21		130.0	<u> </u>
		Z	5.81	67.73	16.97		130.0	
10632-	IEEE 802.11ac WiFi (80MHz, MCS6,	X	5.83	67.26	16.81	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)			_				10.0 %
		Y	5.82	66.98	16.68		130.0	
		Z	5.67	67.19	16.73		130.0	
10633-	IEEE 802.11ac WiFi (80MHz, MCS7,	X	5.73	66.95	16.48	0.46	130.0	±9.6 %
AAB	90pc duty cycle)	_						
	<u> </u>	<u> </u>	<u> </u>	66.66	16.35		130.0	
40604		Z	5.54	66.74	16.32		130.0	
10634- AAB	IEEE 802.11ac WiFi (80MHz, MCS8,		5.72	66.98	16.56	0.46	130.0	± 9.6 %
AAD	90pc duty cycle)	_						
		Y	5.70	66.65	16.41		130.0	
10635-		Z	5.52	66.78	16.40		130.0	
AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.60	66.32	15.97	0.46	130.0	± 9.6 %
		+ -		00.07		_		
		Y	5.59	66.03	15.84		130.0	
10636-	IEEE 802.11ac WiFi (160MHz, MCS0,	Z	5.39	66.04	15.76		130.0	<u> </u>
AAC	90pc duty cycle)	X	6.03	67.02	16.50	0.46	130.0	±9.6 %
		Y	6 00	66.74	40.07			
	<u>+</u>	Z	<u>6.02</u> 5.89	66.74	16.37	<u> </u>	130.0	<u> </u>
10637-	IEEE 802.11ac WiFi (160MHz, MCS1,	- <u>2</u> X		66.87	16.36	0.10	130.0	
AAC	90pc duty cycle)	^	6.19	67.40	16.66	0.46	130.0	± 9.6 %
		Y	6.19	67.15	16.56		100.0	
		Ż	6.02	67.15			130.0	
10638-	IEEE 802.11ac WiFi (160MHz, MCS2,	X	6.19	67.38	16.51	0.46	130.0	
AAC	90pc duty cycle)		0.19	01.30	16.63	0.46	130.0	± 9.6 %
		Y	6.19	67.12	16.52		120.0	
		Ż	6.03	67.21	16.52	— — —	130.0	<u> </u>
		<u> </u>	0.00	0.21	10.49	L	130.0	

40000							Au	gust 23, 201
10639- 	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.18	67.36	16.66	0.46	130.0	± 9.6 %
		Y	6.17	67.09	16.55	+	130.0	<u>+</u>
10640-		Z	6.00	67.13	16.50		130.0	
AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.19	67.39	16.62	0.46	130.0	± 9.6 %
		Y	6.20	67.16	16.53	†	130.0	{_ _
40044		<u>Z</u>	5.99	67.11	16.43		130.0	
10641- AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.21	67.22	16.56	0.46	130.0	± 9.6 %
		Y	6.20	66.94	16.44		130.0	
10642-		Z	6.05	67.08	16.43		130.0	
	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.27	67.52	16.87	0.46	130.0	± 9.6 %
		Y	6.26	67.23	16.75		130.0	
10643-	IEEE 802.11ac WiFi (160MHz, MCS7,	Z	6.09	67.31	16.72	<u> </u>	130.0	
AAC	90pc duty cycle)	X	6.10	67.19	16.61	0.46	130.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Y	6.09	66.93	<u>16.50</u>		130.0	
10644-	IEEE 802.11ac WiFi (160MHz, MCS8,	<u>Z</u>	5.93	67.00	16.46		130.0	
AAC	90pc duty cycle)	X	6.29	67.77	16.92	0.46	130.0	± 9.6 %
		Y	6.32	67.61	16.86		130.0	
10645-	IEEE 802.11ac WiFi (160MHz, MCS9,	<u>Z</u>	6.02	67.30	16.63		130.0	
AAC	90pc duty cycle)	X	6.72	68.61	17.29	0.46	130.0	±9.6 %
		Y	6.81	68.60	17.31		130.0	
10646-		Z	6.13	67.29	16.58		130.0	
AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	26.22	119.06	40.53	9.30	60.0	± 9.6 %
		Y	23.98	116.77	40.23		60.0	
40047		Z	13.39	105.96	36.68		60.0	
10647- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	21.91	115.56	39.67	9.30	60.0	± 9.6 %
_		Y	20.79	114.08	39.59		60.0	
10648-		Ž	11.12	102.25	35.63		60.0	
AAA	CDMA2000 (1x Advanced)	X _	0.80	65.60	12.34	0.00	150.0	±9.6 %
		Y	0.65	62.69	10.17		150.0	
10652-		Z	0.58	62.96	<u>9</u> .61		150.0	
AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.70	67.38	17.08	2.23	80.0	± 9.6 %
		Y	3.59	66.56	16.66		80.0	
10653-		Ž	3.39	66.83	16.41		80.0	
AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.17	66.50	17.03	2.23	80.0	± 9.6 %
		Y	4.11	65.95	16.76		80.0	
10654-		Z	3.90	66.02	16.55		80.0	
AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.13	66.12	17.00	2.23	80.0	± 9.6 %
	<u> </u>	Y	4.07	65.60	16.75		80.0	
10655		Z	3.90	65.62	16.55		80.0	
10655- AAD	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	x	4.19	66.12	17.04	2.23	80.0	±9.6 %
		Y	4.13	65.62	16.79		80.0	
10650		Z	3.96	65.57	16.58		80.0	
10658- AAA	Pulse Waveform (200Hz, 10%)	X	100.00	111.27	26.15	10.00	50.0	± 9.6 %
		Y	100.00	112.15	26.71		50.0	
10650		Z	14.35	85.50	18.40		50.0	
10659- AAA	Pulse Waveform (200Hz, 20%)	X	100.00	110.66	24.83	6.99	60.0	± 9.6 %
		Y	<u>10</u> 0.00	110.25	24.76		60.0	
		Z	100.00	105.29	22.07		60.0	

10660- AAA	Pulse Waveform (200Hz, 40%)	X	100.00	112.93	24.53	3.98	80.0	± 9.6 %
		Y	100.00	108.47	22.64		80.0	
		Z	100.00	104.83	20.58		80.0	
10661- AAA	Pulse Waveform (200Hz, 60%)	X	100.00	118.71	25.68	2.22	100.0	± 9.6 %
		Y	100.00	104.33	19.70		100.0	
		Z	100.00	104.48	19.32		100.0	
10662- AAA	Pulse Waveform (200Hz, 80%)	X	100.00	138.66	31.49	0.97	120.0	± 9.6 %
		Y	0.19	60.00	4.09		120.0	
		Z	100.00	91.23	12.90		120.0	

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

Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

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: EX3-7357_Apr19

CALIBRATION CERTIFICATE

Object	EX3DV4 - SN:7357	
Calibration procedure(s)	QA CAL-01.v9, QA CAL-12.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes	q
Calibration date:	April 24, 2019	
	nents the traceability to national standards, which realize the physical units of measurements (SI). ertainties 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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

	Name	Function	Signature
Calibrated by:	Claudio Leubler	Laboratory Technician	
			UNI-
Approved by:	Katja Pokovic	Technical Manager	IV II C
			AL 15
			Issued: April 24, 2019
This calibration certificate	e shall not be reproduced except in full	without written approval of the labo	ratory.



Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura

Swiss Calibration Service

Accreditation No.: SCS 0108

Calibration Laboratory of

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





S Schweizerischer Kalibrierdienst

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

Accreditation No.: SCS 0108

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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 (and in DAOV) surface to allow mathematical and (it is a structure of the struc

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization 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 E²-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).

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ²) ^A	0.37	0.48	0.41	± 10.1 %
DCP (mV) ^B	87.5	101.0	95.2	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	175.5	± 2.7 %	± 4.7 %
		Y	0.00	0.00	1.00		162.7	1	
		Z	0.00	0.00	1.00		160.1	1	
10352-	Pulse Waveform (200Hz, 10%)	X	1.63	60.99	8.59	10.00	60.0	± 3.2 %	± 9.6 %
AAA		Y	15.00	88.78	20,10	1	60.0	1	
		Z	1.92	62.77	9.39	1	60.0	1	
10353-	Pulse Waveform (200Hz, 20%)	X	1.28	62.05	7.66	6.99	80.0	± 2,1 %	± 9.6 %
AAA		Y	15.00	92.12	20,60	1	80.0		
		Z	1.44	63.37	8.24		80.0	1	
10354-	Pulse Waveform (200Hz, 40%)	X	0.53	60.00	5.08	3.98	95.0	± 1.2 %	± 9.6 %
AAA		Y	15.00	98.74	22,38	1	95.0	1	
		Z	0.50	60.00	4.96	1	95.0	1	
10355-	Pulse Waveform (200Hz, 60%)	X	0.34	60.00	3.46	2.22	120.0	± 1.3 %	± 9.6 %
AAA		Y	15.00	122.09	31.59	1	120.0	1	
		Z	0.32	60.00	3.17		120.0		
10387-	QPSK Waveform, 1 MHz	X	0.47	60.00	5.85	0.00	150.0	± 3.4 %	± 9.6 %
AAA		Y	0.84	63.60	10,73	1	150.0	1	
		Z	0.47	60.00	5.64		150.0	1	
10388-	QPSK Waveform, 10 MHz	X	2.22	69.17	16.45	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Y	2.39	69.28	16.48		150.0	1	
		Z	2.05	67.86	15.44	1	150.0	1	
10396-	64-QAM Waveform, 100 kHz	X	1.74	66.32	18.65	3.01	150.0	± 6.4 %	± 9.6 %
AAA		Y	3.21	72.13	19.45		150.0	1	
		Z	2.50	68.64	18.00]	150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.50	67.46	16.21	0.00	150.0	± 2.5 %	± 9.6 %
AAA		Y	3.59	67.57	16.11]	150.0		
		Z	3.40	67.11	15.75		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.79	65.80	15.93	0.00	150.0	± 4.6 %	± 9.6 %
AAA		Y	4.92	65.80	15.71]	150.0		
		Z	4.73	65.72	15.66]	150.0	ĺ	

Note: For details on UID parameters see Appendix

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

 ^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).
 ^B Numerical linearization parameter: uncertainty not required.
 ^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ²	T2 ms.V⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	Т6
Х	37.3	299.85	40.64	5.98	0.77	5.00	0.00	0.00	1.02
Y	48.9	366.83	35.90	10.43	0.11	5.09	1.58	0.24	1.01
Z	37.8	294.77	38.42	5.12	0.55	5.04	0.00	0.43	1.01

Sensor Model Parameters

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	14.2
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm
	·····

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)	
64	54.2	0.75	14.77	14.77	14.77	0.00	1.00	± 13.3 %	
750	41.9	0.89	10.26	10.26	10.26	0.45	0.95	± 12.0 %	
835	41.5	0.90	9.91	9.91	9.91	0.53	0.85	± 12.0 %	
1750	40.1	1.37	8.69	8.69	8.69	0.35	0.80	± 12.0 %	
1900	40.0	1.40	8.26	8.26	8.26	0.33	0.84	± 12.0 %	
2300	39.5	1.67	7.70	7.70	7.70	0.33	0.85	± 12.0 %	
2450	39.2	1.80	7.57	7.57	7.57	0.39	0.85	± 12.0 %	
2600	39.0	1.96	7.31	7.31	7.31	0.40	0.80	± 12.0 %	
5250	35.9	4.71	5.45	5.45	5.45	0.40	1.80	± 13.1 %	
5600	35.5	5.07	4.85	4.85	4.85	0.40	1.80	± 13.1 %	
5750	35.4	5.22	5.06	5.06	5.06	0.40	1.80	± 13.1 %	

Calibration Parameter Determined in Head Tissue Simulating Media

^c 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. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to \pm 110 MHz. ^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to

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

^o 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.

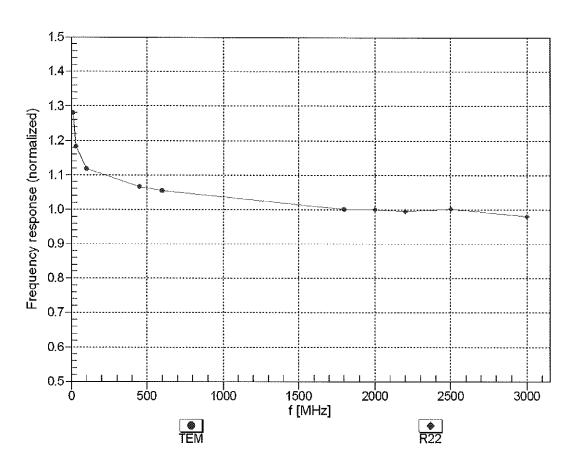
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.19	10.19	10.19	0.37	0.96	± 12.0 %
835	55.2	0.97	9.95	9.95	9.95	0.47	0.80	± 12.0 %
1750	53.4	1.49	8.26	8.26	8.26	0.35	0.85	± 12.0 %
1900	53.3	1.52	7.93	7.93	7.93	0.32	0.90	± 12.0 %
2300	52.9	1.81	7.72	7.72	7.72	0.30	0.85	± 12.0 %
2450	52.7	1.95	7.59	7.59	7.59	0.35	0.86	± 12.0 %
2600	52.5	2.16	7.39	7.39	7.39	0.32	0.89	± 12.0 %
5250	48.9	5.36	4.61	4.61	4.61	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.03	4.03	4.03	0.50	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

^c 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. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to \pm 110 MHz.

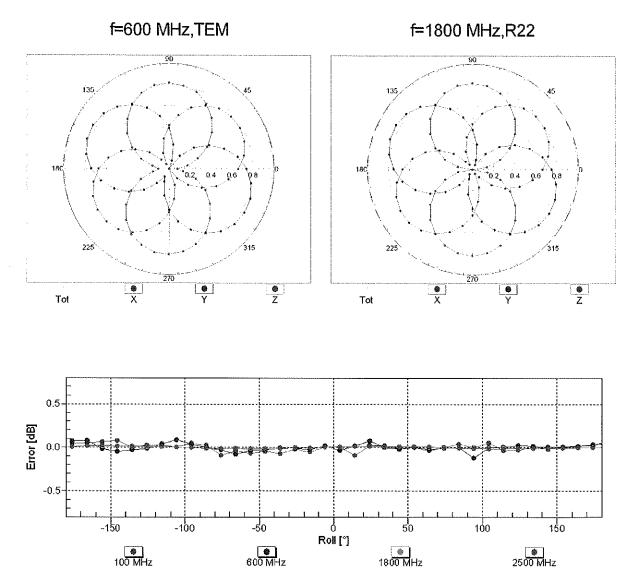
At frequencies below 3 GHz, the validity of tissue parameters (e and o) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (s and o) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters. ^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the boundary.



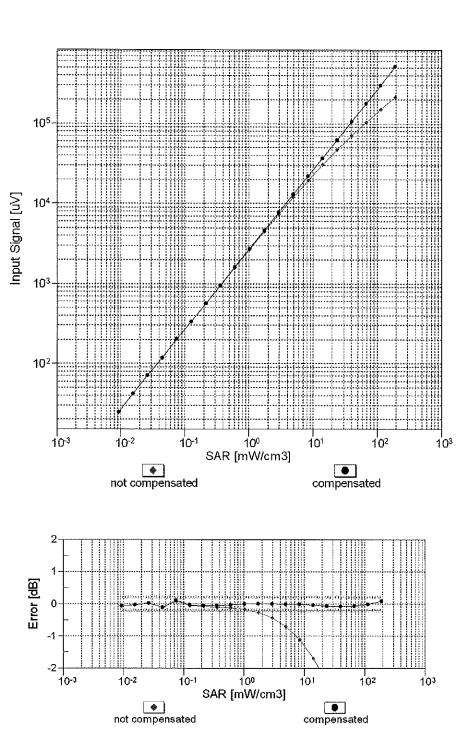
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

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



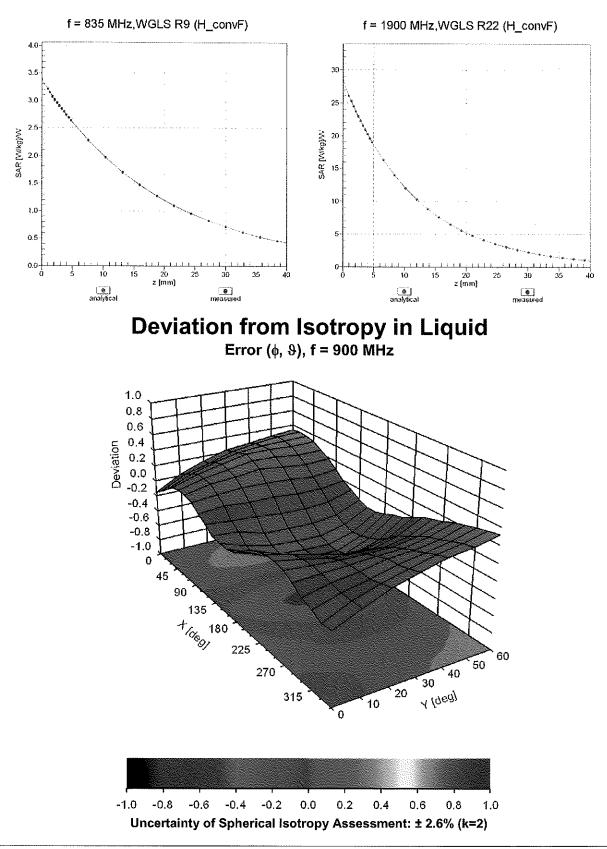
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

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



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

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



Conversion Factor Assessment

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR	Unc ^E
				(dB)	(k=2)
0		CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA WLAN	2.91 1.87	<u>±9.6 %</u> ±9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	9.46	$\pm 9.6\%$ $\pm 9.6\%$
10013 10021	CAB DAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps) GSM-FDD (TDMA, GMSK)	GSM	9.46	$\pm 9.6\%$ $\pm 9.6\%$
10021	DAC	GPRS-FDD (TDMA, GMSK) GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.59	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0) GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10024	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037		IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	$\pm 9.6\%$
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth CDMA2000	4.10	±9.6 % ±9.6 %
10039 10042	CAB CAB	CDMA2000 (1xRTT, RC1) IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	4.57 7.78	± 9.6 %
10042	CAB	IS-91/EIA/TIA-553 FDD (TDMA/FDM, P1/4-DQPSK, Hairate)	AMPS	0.00	± 9.6 %
10044	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6 %
10045	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6 %
10063	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6 % ±9.6 %
10069	CAC CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN WLAN	10.56 9.83	±9.6 % ±9.6 %
10071		IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.63	$\pm 9.6\%$
10072		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.94	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 10 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

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10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10114	CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	± 9.6 %
10115	CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	± 9.6 %
10116	CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	± 9.6 %
10117	CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	
10118	CAC	IEEE 802.11n (HT Mixed, 10.0 Mbps, 16-QAM)			± 9.6 %
10119	CAC	IEEE 802.11n (HT Mixed, 37 Mbps, 10-QAM)	WLAN	8.59	± 9.6 %
10140	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	WLAN	8.13	± 9.6 %
10140	CAE		LTE-FDD	6.49	± 9.6 %
10141	CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6%
		LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6 %
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6 %
10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10156	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)		\$	
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	5.79	± 9.6 %
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.49	± 9,6 %
10159	CAG		LTE-FDD	6.62	± 9.6 %
10155	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6 %
10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6 %
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6 %
10166	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	± 9.6 %
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6 %
10168	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6 %
10169	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6 %
10170	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6%
10171	AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	± 9.6 %
10172	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10174	CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10177	CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10178	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10179	CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10180	CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD		
10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)		6.50	± 9.6 %
10182	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	5.72	± 9.6 %
10183	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.52	±9.6 %
10185	CAE		LTE-FDD	6.50	±9.6 %
10185		LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6%
		LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6 %
10186	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	± 9.6 %
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6%
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 %
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10193	CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6 %
10195	CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6 %
10196	CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8,10	±9.6 %
10197	CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8,13	± 9.6 %
10198	CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
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10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8,13	±9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA ·	5.97	±9.6 %
10226	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6 %
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6 %
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD LTE-TDD	10.25	±9.6 % ±9.6 %
10231	CAC CAF	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	<u>9,19</u> 9.48	$\pm 9.6\%$
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6%
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 10-QAW)	LTE-TDD	10.25	± 9.6 %
10230	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10240	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	± 9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6 %
10246	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6 %
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6 %
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6%
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6%
10256	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	±9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264		LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266		LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6%
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±9.6%
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6%
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)		9.58	±9.6%
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)		4.87	$\pm 9.6\%$
10275		UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96 11.81	$\pm 9.6\%$
10277		PHS (QPSK)	PHS PHS	11.81	$\pm 9.6\%$
10278		PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	12.18	± 9.6 % ± 9.6 %
10279		PHS (QPSK, BW 884MHz, Rolloff 0.38) CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	$\pm 9.6\%$ $\pm 9.6\%$
	AAB		CDMA2000 CDMA2000	3.46	$\pm 9.6\%$ $\pm 9.6\%$
10291 10292	AAB	CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate	CDMA2000 CDMA2000	3.46	$\pm 9.6\%$ $\pm 9.6\%$
10292	AAB AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.59	$\pm 9.6\%$
10293	AAB	CDMA2000, RC3, SO3, Full Rate CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	$\pm 9.6\%$
10295	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10298	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GF3R)	LTE-FDD	6.39	± 9.6 %
10200		ן בוביים עטיי טאאר, אאר איין עטיי אאראין אייעראיין <u>בוביים עטיי</u>		1 0.00	1 2 0.0 /0

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10300					
10300	AAD AAA	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	LTE-FDD	6.60	± 9.6 %
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)		12.03	± 9.6 %
10002		symbols)	WIMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	12.52	± 9.6 %
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	± 9.6 %
10305	AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15	WIMAX	15.24	± 9.6 %
		symbols)	WIND OX	10.24	1 0.0 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18	WIMAX	14.67	± 9.6 %
		symbols)		11.07	
10307	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18	WIMAX	14.49	± 9.6 %
		symbols)			
10308	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	± 9.6 %
10309	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18	WIMAX	14.58	± 9.6 %
10010		symbols)			
10310	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WIMAX	14.57	± 9.6 %
40044		symbols)			
10311 10313	AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6 %
10313		IDEN 1:3	IDEN	10.51	± 9.6 %
10314	AAA		IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10316	AAB AAC	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle) IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	± 9.6 %
10317	AAA	Pulse Waveform (200Hz, 10%)	WLAN	8.36	±9.6 %
10352	AAA	Pulse Waveform (200Hz, 20%)	Generic	10.00	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 20%) Pulse Waveform (200Hz, 40%)	Generic	6.99	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 40%) Pulse Waveform (200Hz, 60%)	Generic	3.98	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	2.22	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	0.97	±9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.10	± 9,6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic Generic	5.22	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz		6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)		6.27	± 9.6 %
10400	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	WLAN WLAN	8.37 8.60	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	± 9.6 % ± 9.6 %
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6 %
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	± 9.6 %
10410	AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	$\pm 9.6\%$
		Subframe=2,3,4,7,8,9, Subframe Conf=4)		1.02	+ 3.0 %
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	± 9.6 %
		Long preambule)			
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	± 9.6 %
		Short preambule)			
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6 %
10434 10435	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6 %
10430	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL	LTE-TDD	7.82	±9.6 %
10447	AAD	Subframe=2,3,4,7,8,9)		7 50	
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6 %
10446	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	±9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6 %
10400	770		LTE-FDD	7.48	± 9.6 %

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9.6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±96%
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6 %
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	± 9.6 %
10463	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9,6 %
10464	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6 %
10466	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL. Subframe≈2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6 %
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10472	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10479	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
10482	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	± 9.6 %
10483	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	± 9.6 %
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.59	± 9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %

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10493 A 10494 A 10495 A 10495 A 10496 A 10497 A 10498 A 10499 A	AAE AAE AAF AAF AAA AAA	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD LTE-TDD LTE-TDD LTE-TDD	8.41 8.55 7.74 8.37 8.54	± 9.6 % ± 9.6 % ± 9.6 %
10494 A 10495 A 10496 A 10497 A 10498 A 10499 A	AAF AAF AAF AAA	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD LTE-TDD LTE-TDD	7.74	± 9.6 % ± 9.6 %
10495 A 10496 A 10497 A 10498 A 10499 A	AAF AAF AAA AAA	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD	8.37	± 9.6 %
10496 A 10497 A 10498 A 10498 A	AAF AAA AAA	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL	LTE-TDD		
10497 A 10498 A 10499 A		LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL		8.54	
10498 A 10499 A	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL		1	± 9.6 %
10499 A			LTE-TDD	7.67	± 9.6 %
	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	± 9.6 %
10500 A		LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6 %
i	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6 %
10501 A	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6 %
	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	± 9.6 %
	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	± 9.6 %
	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6 %
	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
	4AE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	± 9.6 %
	4AE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
	4AE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
	٩AE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6 %
	٩AE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	± 9.6 %
	4AF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
	۹AF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	± 9.6 %
	۹AF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
	۹AA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
	۹AA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517 A	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518 A	4AB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10519 A	4AB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	± 9.6 %
	4AB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	± 9.6 %
	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9.6 %
	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN		
	AB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.45	$\pm 9.6\%$
	AB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)		8.08	± 9.6 %
	AB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.27	± 9.6 %
·······	AB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6%
	AB		WLAN	8.42	±9.6%
		IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6%
		IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
		IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
		IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	± 9.6 %
	AB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6 %
	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10534 A	AB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6%

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10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10536	AAB	IEEE 802.11ac WIFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6 %
10537 10538	AAB	IEEE 802.11ac WIFi (40MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6 %
10536	AAB AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle) IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.54	±9.6 % ±9.6 %
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFI (40MHz, MCS7, 990c duty cycle)	WLAN	8.65	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.47	$\pm 9.6\%$
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	± 9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	WLAN	8.50	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	WLAN	8.52	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
		cycle)			
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6 %
		cycle)			
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	±9.6 %
		cycle)			
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
		cycle)			
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
· · · ·		cycle)			
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	± 9.6 %
40570					
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
40574			14/2 4 5 1	4.00	100%
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
10573		IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle) IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN		± 9.6 % ± 9.6 %
10574 10575		IEEE 802.11g WiFi 2.4 GHz (DSSS, 11 Mops, 90pc duty cycle)	WLAN WLAN	<u> </u>	$\pm 9.6\%$
10575		cycle)	WLAN	0.09	± 9.0 %
10576		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
10370		cycle)		0.00	1 3.0 %
10577	AAA	IEEE 802,11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
10077			******	0.70	1 0.0 %
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
10070	////	cycle)		0.10	2 0.0 /0
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	±9.6 %
		cycle)			
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	± 9.6 %
		cycle)			
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	±9.6 %
		cycle)			
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
		cycle)			
10583	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %

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(0500					
10588	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFI (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8,77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	*
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)			± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN WLAN	8.82	± 9.6 %
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)		8.81	± 9.6 %
10619	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10621	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6%
10622	AAB		WLAN	8.77	±9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6 %
10623		IEEE 802.11ac WiFI (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WIFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WIFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9,6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN		$\pm 9.6\%$
	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	9.11	± 9.6 %
10646		LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96 11.96	±9.6 % ±9.6 %
10646 10647	AAF				1 + 9 0 %
10647	AAF	CDMA2000 (1x Advanced)			
10647 10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6 %
10647 10648 10652	AAA AAD	CDMA2000 (1x Advanced) LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	CDMA2000 LTE-TDD	3.45 6.91	±9.6 % ±9.6 %
10647 10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6 %

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10655		LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6 %
10658		Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6 %
10660	AAA	Pulse Waveform (200Hz, 40%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6 %
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6 %
10671	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6 %
10672	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS2, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10674	AAA	IEEE 802.11ax (20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6 %
10681		IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS1, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6%
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6%
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6%
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±96%
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6%
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6%
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8,45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10724	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10726	AAA	IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6 %
10727	AAA	IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN	8.66	± 9.6 %
	1		**	0.00	- 0.0 70

10729 AAA IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle) WLAN 8.64 ± 9 10730 AAA IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle) WLAN 8.67 ± 9 10731 AAA IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle) WLAN 8.42 ± 9 10732 AAA IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle) WLAN 8.46 ± 9 10733 AAA IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle) WLAN 8.46 ± 9	1.6 % 1.6 % 1.6 % 1.6 % 1.6 % 1.6 % 1.6 % 1.6 % 1.6 % 1.6 %
10730 AAA IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle) WLAN 8.67 ± 9 10731 AAA IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle) WLAN 8.42 ± 9 10732 AAA IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle) WLAN 8.46 ± 9 10733 AAA IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle) WLAN 8.40 ± 9	0.6 % 0.6 % 0.6 % 0.6 % 0.6 %
10731 AAA IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle) WLAN 8.42 ± 9 10732 AAA IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle) WLAN 8.46 ± 9 10733 AAA IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle) WLAN 8.46 ± 9 10733 AAA IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle) WLAN 8.40 ± 9	0.6 % 0.6 % 0.6 % 0.6 %
10732 AAA IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle) WLAN 8.46 ± 9 10733 AAA IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle) WLAN 8.40 ± 9	0.6 % 0.6 % 0.6 %
10733 AAA IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle) WLAN 8.40 ± 9	9.6 % 9.6 % 9.6 %
	9.6 % 9.6 %
	.6 %
10734 AAA IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle) WLAN 8.25 ± 9	
10735 AAA IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle) WLAN 8.33 ± 5	.6 %
10736 AAA IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle) WLAN 8.27 ± 9	
10737 AAA IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle) WLAN 8.36 ± 9	9.6 %
	.6 %
10739 AAA IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle) WLAN 8.29 ± 5	9.6 %
	9.6 %
10741 AAA IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle) WLAN 8.40 ± 9	9.6 %
10742 AAA IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle) WLAN 8.43 ± 9	9.6 %
10743 AAA IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle) WLAN 8.94 ± 9	.6 %
10744 AAA IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle) WLAN 9.16 ± 9	.6 %
10745 AAA IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle) WLAN 8.93 ± 9	.6 %
	9.6 %
10747 AAA IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle) WLAN 9.04 ± 9	9.6 %
10748 AAA IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle) WLAN 8.93 ± 9	9.6 %
10749 AAA IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle) WLAN 8.90 ± 9	9.6 %
10750 AAA IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle) WLAN 8.79 ± 9	.6 %
10751 AAA IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle) WLAN 8.82 ± 9	9.6 %
10752 AAA IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle) WLAN 8.81 ± 9	9.6 %
10753 AAA IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle) WLAN 9.00 ± 9	9.6 %
10754 AAA IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle) WLAN 8.94 ± 9	.6 %
10755 AAA IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle) WLAN 8.64 ± 9	9.6 %
10756 AAA IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle) WLAN 8.77 ± 9	9.6 %
10757 AAA IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle) WLAN 8.77 ± 9	9.6 %
10758 AAA IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle) WLAN 8.69 ± 9	9.6 %
	.6 %
10760 AAA IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle) WLAN 8.49 ± 9	9.6 %
	9.6 %
10762 AAA IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle) WLAN 8.49 ± 9	.6 %
	9.6 %
	9.6 %
	9.6 %
10766 AAA IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle) WLAN 8.51 ± 9	9.6 %

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

Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

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

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

Certificate No: EX3-7406_May19

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CALIBRATION	CERTIFICATE
Object	EX3DV4 - SN:7406
Calibration procedure(s)	QA CAL-01.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes
Calibration date:	May 16, 2019 05-23-2
This calibration certificate doc The measurements and the un	uments the traceability to national standards, which realize the physical units of measurements (SI). Incertainties with confidence probability are given on the following pages and are part of the certificate.
All calibrations have been con	ducted in the closed laboratory facility: environment temperature (22 \pm 3)°C and humidity < 70%.
Calibration Equipment used (N	A&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

	Name	Function	Signature
Calibrated by:	Michael Weber	Laboratory Technician	
			19.110 2
Approved by:	Katja Pokovic	Technical Manager	ann
			Aut
			Issued: May 16, 2019
This calibration certificate	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





Schweizerischer Kalibrierdienst S

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

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA

Accreditation No.: SCS 0108

Multilateral Agreement for the recognition of calibration certificates Glossary: TSL tissue simulating liquid NODMYVZ oonoitiuitu in fi

INOININ, 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),
Opportunities A 1	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 IEC 62209-1, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handb) held and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- 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, y, z: Assessed for E-field polarization $\vartheta = 0$ (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 E²-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).

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.46	0.43	0.45	± 10.1 %
DCP (mV) ^B	102.8	102.2	100.4	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	182.0	± 2.7 %	± 4.7 %
		Y	0.00	0.00	1.00	1	172.4	1 /3	
		Z	0.00	0.00	1.00		174.6	ĺ	
10352-	Pulse Waveform (200Hz, 10%)	X	6.76	76.02	14.93	10.00	60.0	±2.7 %	± 9.6 %
AAA		Y	6.25	75.48	14,76	1	60.0	1 /0	20.0 //
		Z	15.00	84.32	17.62		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	15.00	85.05	16.36	6.99	80.0	± 1.9 %	± 9.6 %
AAA		Y	15.00	85.57	16.70		80.0		- 0.0 /0
		Z	15.00	85.96	16.90	1	80.0	1	
10354-	Pulse Waveform (200Hz, 40%)	X	15.00	83.48	13.87	3.98	95.0	± 1.3 %	± 9.6 %
AAA		Y	15.00	88.48	16.53	+	95.0		- 0.0 %
		Z	15.00	85.80	15.05		95.0	1	
10355-	Pulse Waveform (200Hz, 60%)	X	0.28	60.00	4.49	2.22	120.0	± 1.3 %	± 9.6 %
AAA		Y	15.00	95.23	18.20	1	120.0		20.0 %
		Z	0.39	62.12	5.82	ĺ	120.0		
10387-	QPSK Waveform, 1 MHz	X	0.46	60.00	5.77	0.00	150.0	± 3.7 %	± 9.6 %
AAA		Y	14.25	443.18	61.66		150.0		
		Z	0.48	60.00	6.06		150.0		
10388-	QPSK Waveform, 10 MHz	X	2.03	67.70	15.44	0.00	150.0	± 1.2 %	±9.6 %
AAA		Y	2.30	72.35	18.27		150.0		
		Z	2.07	67.89	15.68		150.0		
10396-	64-QAM Waveform, 100 kHz	X	2.49	68.06	17.57	3.01	150.0	± 1.6 %	± 9.6 %
AAA		Y	1.98	66.67	17.49		150.0		
		Z	2.52	68.32	17.86		150.0		
10399-	64-QAM Waveform, 40 MHz	Х	3.39	67.06	15.71	0.00	150.0	± 2.2 %	±9.6 %
AAA		Y	3.39	68.23	16.67		150.0		
		Z	3.40	67.01	15.79		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	Х	4.70	65.74	15.61	0.00	150.0	±4.1%	± 9.6 %
AAA		Y	4.47	66.54	16.20		150.0		
		Z	4.70	65.63	15.63		150.0		

Note: For details on UID parameters see Appendix

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

 ^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).
 ^B Numerical linearization parameter: uncertainty not required.
 ^E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

	C1 fF	C2 fF	α V ¹	T1 ms.V ⁻²	T2 ms.V ⁻¹	T3 ms	T4 V⁻²	T5 V ⁻¹	Т6
X	34.8	265.14	36.82	6.17	0.37	5.06	0.00	0.44	1.01
Y	19.8	147.90	35.69	7.11	0.37	5.03	0.00	0.19	1.00
Ζ	35.4	271.85	37.42	5.60	0.38	5.06	0.15	0.41	1.00

Sensor Model Parameters

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	27.5
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

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
30	55.0	0.75	16.10	16.10	16.10	0.00	1.00	± 13.3 %
750	41.9	0.89	10.26	10.26	10.26	0.44	0.93	± 12.0 %
835	41.5	0.90	9.78	9.78	9.78	0.44	0.91	± 12.0 %
1750	40.1	1.37	8.57	8.57	8.57	0.39	0.80	± 12.0 %
1900	40.0	1.40	8.18	8.18	8.18	0.39	0.80	± 12.0 %
2300	39.5	1.67	8.06	8.06	8.06	0.33	0.87	± 12.0 %
2450	39.2	1.80	7.67	7.67	7.67	0.37	0.87	± 12.0 %
2600	39.0	1.96	7.44	7.44	7.44	0.40	0.88	± 12.0 %
5250	35.9	4.71	5.54	5.54	5.54	0.40	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	5.23	5.23	5.23	0.40	1.80	± 13.1 %

Calibration Parameter Determined in Head Tissue Simulating Media

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

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

The ConvF uncertainty for indicated target tissue parameters. ⁶ 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.

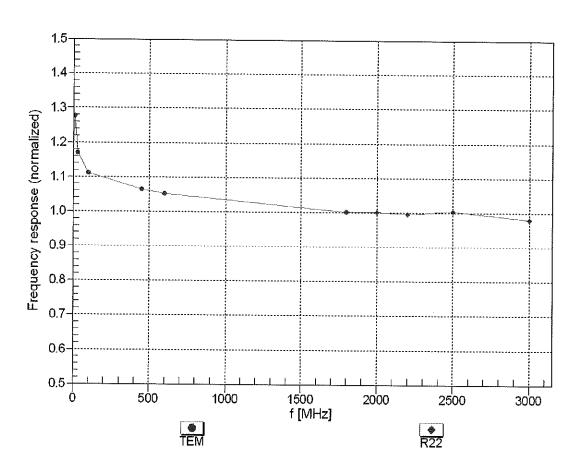
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.05	10.05	10.05	0.50	0.80	± 12.0 %
835	55.2	0.97	9.78	9.78	9.78	0.40	0.93	± 12.0 %
1750	53.4	1.49	8.13	8.13	8.13	0.43	0.80	± 12.0 %
1900	53.3	1.52	7.95	7.95	7.95	0.38	0.85	± 12.0 %
2300	52.9	1.81	7.76	7.76	7.76	0.44	0.85	± 12.0 %
2450	52.7	1.95	7.54	7.54	7.54	0.37	0.88	± 12.0 %
2600	52.5	2.16	7.47	7.47	7.47	0.25	1.05	± 12.0 %
5250	48.9	5.36	5.08	5.08	5.08	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.37	4.37	4.37	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.53	4.53	4.53	0.50	1.90	± 13.1 %

Calibration Parameter Determined in Body Tissue Simulating Media

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) 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 (ε and σ) is restricted to \pm 5%. The uncertainty is the RSS of

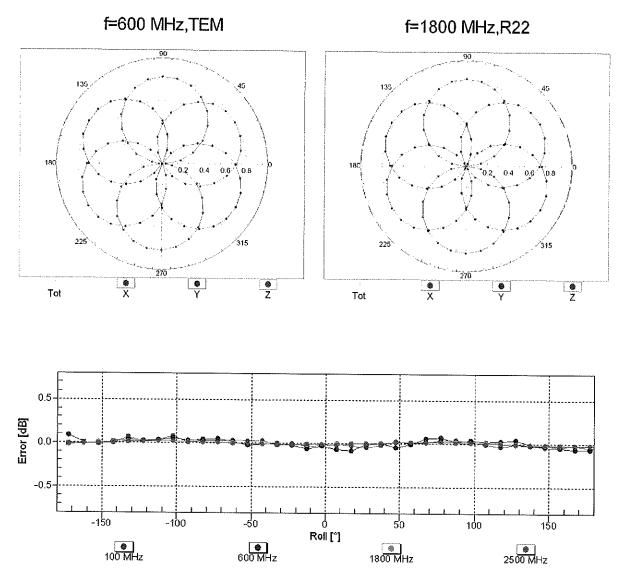
the ConvF uncertainty for indicated target tissue parameters. ^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than $\pm 1\%$ for frequencies below 3 GHz and below $\pm 2\%$ for frequencies between 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)

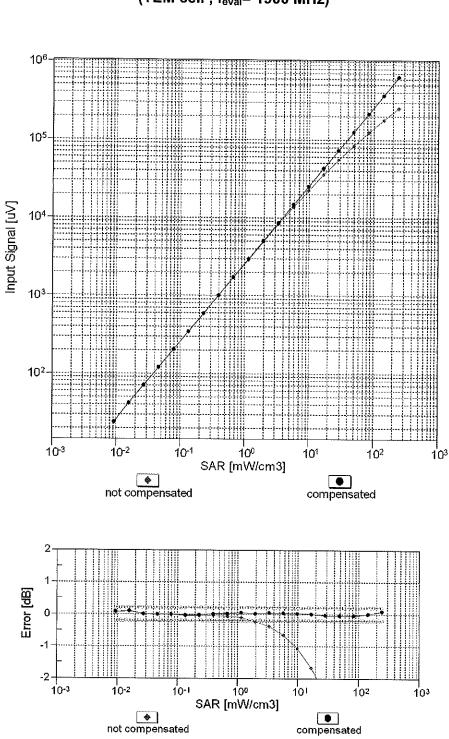
Certificate No: EX3-7406_May19



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

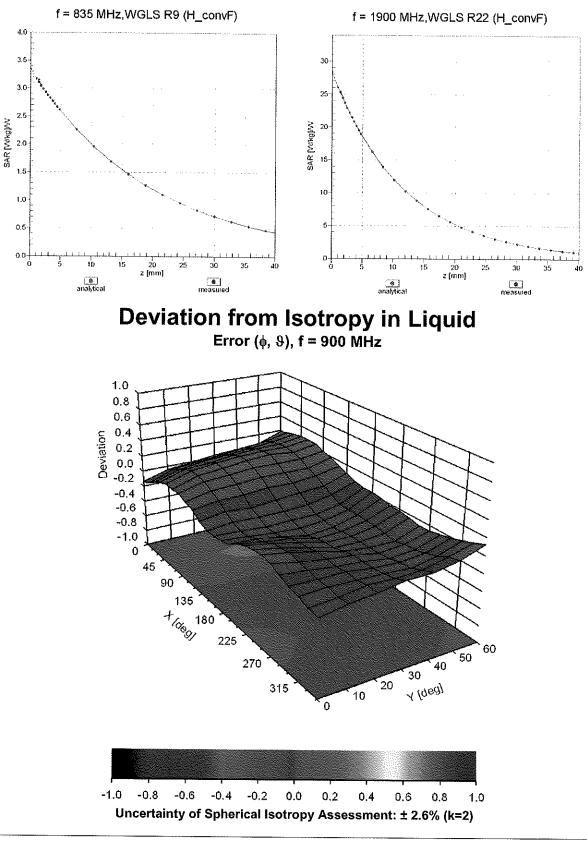
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

May 16, 2019



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

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



Conversion Factor Assessment

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR	Unc ^t
				(dB)	(k=2)
0		CW	CW	0.00	±4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	±9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30 1.87	±9.6 % ±9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth Bluetooth	1.07	$\pm 9.6\%$ $\pm 9.6\%$
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	7.74	± 9.6 %
10033 10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	4.53	± 9.6 %
10034	CAA CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3) IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	8.01	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10000	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10042	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6 %
10062	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 %
10063	CAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 %
10064	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 %
10065	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 %
10066	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 %
10067		IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 %
10068	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN WLAN	10.24 10.56	± 9.6 % ± 9.6 %
10069	CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps) IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9,83	± 9.6 %
10071	CAB CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.62	± 9.6 %
10072		IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.94	± 9.6 %
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	10.30	± 9.6 %
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6 %
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6 %
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6 %
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6 %
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6 %
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6 %
10097	CAB	UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6 %
10098	CAB	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6 %
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
10100	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10103	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	$\pm 9.6\%$
10104	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
10105	CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %

10110 CAG LTE-FDD 6.75 ± 26.87 10111 CAG LTE-FDD 6.44 ± 26.5% 10112 CAG LTE-FDD 6.44 ± 26.5% 10113 CAG LTE-FDD 6.62 ± 26.5% 10114 CAC LEEE B02.11n (HT Greenfield, 31 Mops, BPSK) WLAN 8.40 ± 26.5% 10114 CAC LEEE B02.11n (HT Greenfield, 31 Mops, B-PSK) WLAN 8.46 ± 28.5% 10116 CAC LEEE B02.11n (HT Greenfield, 31 Mops, B-CAM) WLAN 8.46 ± 28.5% 10118 CAC LEEE B02.11n (HT Moed, 51 Mops, 15-0AM) WLAN 8.13 ± 28.5% 10118 CAC LEEE B02.11n (HT Moed, 51 Mops, 64-OAM) WLAN 8.13 ± 28.5% 10118 CAC LEEE B02.11n (HT Moed, 51 Mops, 16-OAM) WLAN 8.13 ± 28.5% 10118 CAC LEEE B02.15C/FDMA.100% (RB, 15 MHz, 16-OAM) LTE-FDD 6.53 ± 28.5% 10141 CAE LTE-FDD (SC-FDMA.100% RB, 14 MHz, 0F-OAM) LTE-FDD 5.76	1					
10111 CAG LTE-FD0 62.4 20.2 20.5 10112 CAG LTE-FD0 65.9 20.5	10109		LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10111 CAG LTE-FD0 6.57 ± 35.5% 10112 CAG LTE-FD0 6.59 ± 35.5% 10113 CAG LTE-FD0 6.59 ± 35.5% 10114 CAC LEEE 602.11n (HT Greenfield, 31.5 Mbps, 16-CAM) WLAN 8.40 ± 35.5% 10116 CAC LEEE 602.11n (HT Greenfield, 31.5 Mbps, 16-CAM) WLAN 8.46 ± 95.6% 10116 CAC LEEE 602.11n (HT Greenfield, 31.5 Mbps, 16-CAM) WLAN 8.16 ± 95.6% 10116 CAC LEEE 602.11n (HT Moed, 13.5 Mbps, 64-CAM) WLAN 8.57 ± 95.6% 10116 CAC LEEE 602.11n (HT Moed, 13.5 Mbps, 64-CAM) WLAN 8.13 ± 95.6% 10114 CAC LEEE 602.11n (HT Moed, 13.5 Mbps, 64-CAM) LTE-FDD 6.49 ± 95.6% 10141 CAC LEEE 602.11n (HT Moed, 13.5 Mbps, 64-CAM) LTE-FDD 6.49 ± 95.6% 10142 CAE LTE-FDO 6.57 ± 95.6% 10.65 ± 95.6% 10142 CAE LTE-FDO 6.57<			LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD		
10112 CAG LTE-FD0 GSC-FDMA. 100% RB, 5 MHz, 64-CAM) LTE-FD0 6.62 29.6 % 10113 CAC LEEE 802.11n (HT Greenfield, 31 Mbps, 64-CAM) WLAN 8.4 de 29.6 % 10116 CAC LEEE 802.11n (HT Greenfield, 31 Mbps, 64-CAM) WLAN 8.4 de 29.6 % 10117 CAC LEEE 802.11n (HT Greenfield, 35 Mbps, 64-CAM) WLAN 8.6 de 29.6 % 10118 CAC LEEE 802.11n (HT Mixed, 31 Mbps, 64-CAM) WLAN 8.6 39 29.6 % 10118 CAC LEEE 802.11n (HT Mixed, 31 Mbps, 64-CAM) WLAN 8.7 3 29.6 % 10114 CAC LEEE 802.11n (HT Mixed, 81 Mbps, 64-CAM) UTE-FDD 5.7 3 29.6 % 10141 CAC LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM) UTE-FDD 5.7 3 29.6 % 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM) UTE-FDD 5.7 3 29.6 % 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-CAM) LTE-FDD 5.7 3 29.6 % 10144 CAE LTE-FDD (SC-FDMA, 100%	10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)			and the second se
10113 CAG LTE-FDD (SC-PDMA, 100%, RB, 5 MHz, 64-CAM) UTE-FDD 6.22 ± 9.6 % 10114 CAC LEEE 802.11n (HT Greenfield, 35 Mbps, 46-CAM) WLAN 8.41 ± 9.6 % 10116 CAC LEEE 802.11n (HT Greenfield, 35 Mbps, 46-CAM) WLAN 8.41 ± 9.6 % 10116 CAC LEEE 802.11n (HT Maed, 135 Mbps, 64-CAM) WLAN 8.67 ± 9.6 % 10118 CAC LEEE 802.11n (HT Maed, 135 Mbps, 64-CAM) WLAN 8.69 ± 9.6 % 10140 CAC LEEE 802.11n (HT Maed, 135 Mbps, 64-CAM) UTE-FDD 6.49 ± 9.6 % 10141 CAC LTE-FDO (SC-FDMA, 100%, RB, 15 MHz, 16-CAM) UTE-FDD 6.43 ± 9.6 % 10142 CAE LTE-FDO (SC-FDMA, 100%, RB, 3 MHz, 16-CAM) UTE-FDD 5.7 ± 9.6 % 10143 CAE LTE-FDO (SC-FDMA, 100%, RB, 14 MHz, 0-CAM) UTE-FDD 6.42 ± 9.6 % 10144 CAE LTE-FDO (SC-FDMA, 100%, RB, 14 MHz, 16-CAM) UTE-FDD 6.41 ± 9.6 % 10144 CAE LTE-FDO (SC-FDMA, 50%, RB, 20 MHz, 16-CA	10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)			
10114 CAC IEEE 802.11n (HT Greenfield. B1 Mbps, 64-QAM) WLAN 8.10 ± 90.6% 10115 CAC IEEE 802.11n (HT Greenfield. B1 Mbps, 64-QAM) WLAN 8.16 ± 90.6% 10117 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 64-QAM) WLAN 8.07 ± 90.6% 10118 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 64-QAM) WLAN 8.13 ± 90.6% 10119 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 64-QAM) WLAN 8.13 ± 90.6% 10140 CAE LIEFEDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LITE-FDD 6.53 ± 90.6% 10141 CAE LIEFEDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LITE-FDD 6.65 ± 90.5% 10143 CAE LIEFEDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LITE-FDD 5.76 ± 90.5% 10144 CAE LIEFEDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LITE-FDD 6.62 ± 90.5% 10147 CAE LIEFEDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LITE-FDD 6.62 ± 90.5% 10147 CAE LIEFEDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)<	10113	CAG				
10115 CAC IEEE 802.11n (HT Greenfield, 31 Mbps, 64-GAM) WLAN 8.46 ± 96 % 10116 CAC IEEE 802.11n (HT Mixed, 13.5 Mbps, 64-GAM) WLAN 8.07 ± 96 % 10118 CAC IEEE 802.11n (HT Mixed, 13.5 Mbps, 64-GAM) WLAN 8.19 ± 96 % 10118 CAC IEEE 802.11n (HT Mixed, 135 Mbps, 64-GAM) WLAN 8.13 ± 96 % 10140 CAC IEEE 802.11n (HT Mixed, 135 Mbps, 64-GAM) I'EFPDD 6.63 ± 96 % 10141 CAC IEEE 802.11n (HT Mixed, 135 Mbps, 64-GAM) I'EFPDD 6.53 ± 96 % 10142 CAE I'EFPDD (SC-FDMA, 100% RB, 3 MHz, 46-GAM) I'EFPDD 6.35 ± 96 % 10144 CAE I'EFPDD (SC-FDMA, 100% RB, 1.4 MHz, 0PSK) I'EFPDD 6.41 ± 96 % 10146 CAF I'EFPDD (SC-FDMA, 100% RB, 1.4 MHz, 0FSK) I'EFPDD 6.42 ± 96 % 10147 CAF I'EFPDD (SC-FDMA, 100% RB, 1.4 MHz, 0FSK) I'EFPDD 6.42 ± 96 % 10146 CAF I'EFPDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	10114		IEEE 802.11n (HT Greenfield 13.5 Mbps BPSK)			
10116 CAC LEEE 802.11n (HT Greenfield 136 Mbps, 84-OAM) WLAN 8.17 2.83.% 10117 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 16-OAM) WLAN 8.16 8.66 % 10118 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 16-OAM) WLAN 8.16 8.66 % 10119 CAC IEEE 802.11n (HT Mixed, 81 Mbps, 16-OAM) WLAN 8.13 8.06 % 10141 CAE ITE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-OAM) LTE-FDD 6.53 9.06 % 10142 CAE ITE-FDD (SC-FDMA, 100% RB, 14 MHz, QFSK) LTE-FDD 6.35 9.06 % 10143 CAE ITE-FDD (SC-FDMA, 100% RB, 14 MHz, QFSK) LTE-FDD 6.41 9.06 % 10146 CAF ITE-FDD (SC-FDMA, 100% RB, 14 MHz, QFSK) LTE-FDD 6.41 9.06 % 10146 CAF ITE-FDD (SC-FDMA, 100% RB, 14 MHz, QFSK) LTE-FDD 6.41 9.06 % 10146 CAF ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 9.06 % 10146 CAF ITE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 5.76 9.06 % 10151 CAG			IEEE 802 11n (HT Greenfield, 81 Mbrs, 16, 0AM)			
10111 CAC LEEE 802.11n (HT Mixed, 35 Mbps, 69-CAM) WLAN 8.07 ± 9.6 % 10118 CAC LEEE 802.11n (HT Mixed, 135 Mbps, 64-CAM) WLAN 8.13 ± 9.6 % 10140 CAC LEEE 802.11n (HT Mixed, 135 Mbps, 64-CAM) LTE-FDD 6.43 ± 9.6 % 10141 CAE LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-CAM) LTE-FDD 6.53 ± 9.6 % 10142 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM) LTE-FDD 6.53 ± 9.6 % 10143 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM) LTE-FDD 6.66 ± 9.6 % 10144 CAE LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-CAM) LTE-FDD 6.78 ± 9.6 % 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 2 MHz, 16-CAM) LTE-FDD 6.78 ± 9.6 % 10146 CAF LTE-FDD (SC-FDMA, 100% RB, 2 MHz, 16-CAM) LTE-FDD 6.78 ± 9.6 % 10147 CAF LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 0FSK) LTE-FDD 6.8 % ± 9.6 % 10146 CAF LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 0FSK)			IEEE 802 11n (HT Groonfield, 125 Mbns, 64 OAM)			
10118 CAC LEEE 802.11n (HT Mixed, 135 Mbps, 64-CAM) WLAN 8.59 ± 9.6 % 10119 CAE LTE-FDD (SC-FDMA, 100%; RB, 15 MHz, 16-CAM) LTE-FDD 6.49 ± 9.6 % 10141 CAE LTE-FDD (SC-FDMA, 100%; RB, 15 MHz, 16-CAM) LTE-FDD 6.53 ± 9.6 % 10142 CAE LTE-FDD (SC-FDMA, 100%; RB, 3 MHz, 16-CAM) LTE-FDD 6.53 ± 9.6 % 10143 CAE LTE-FDD (SC-FDMA, 100%; RB, 3 MHz, 16-CAM) LTE-FDD 6.65 ± 9.6 % 10144 CAE LTE-FDD (SC-FDMA, 100%; RB, 14 MHz, 0FSK) LTE-FDD 6.76 ± 9.0 % 10144 CAE LTE-FDD (SC-FDMA, 100%; RB, 14 MHz, 16-CAM) LTE-FDD 6.77 ± 9.0 % 10147 CAE LTE-FDD (SC-FDMA, 50%; RB, 20 MHz, 64-CAM) LTE-FDD 6.64 ± 9.6 % 10152 CAG LTE-FDD (SC-FDMA, 50%; RB, 20 MHz, 64-CAM) LTE-FDD 6.64 ± 9.6 % 10152 CAG LTE-FDD (SC-FDMA, 50%; RB, 20 MHz, 64-CAM) LTE-FDD 6.64 ± 9.6 % 10152 CAG LTE-FDD (SC-FDMA, 50%; RB, 20 M			IEEE 002.11n (IT Greenied, 135 Mbps, 04-QAW)			
10119 CAC IEEE 802.11n (ITT Mixed, 135 Mbps, 64-CAM) IVTA: FPDD 6.13 ± 6.6 % 10140 CAE LTE-FDD (6.57) MA, 100% RB, 15 MHz, 16-CAM) LTE-FDD 6.53 ± 0.6 % 10141 CAE LTE-FDD (6.57) MA, 100% RB, 3 MHz, 16-CAM) LTE-FDD 6.53 ± 0.6 % 10143 CAE LTE-FDD (6.57) MA, 100% RB, 3 MHz, 16-CAM) LTE-FDD 6.55 ± 8.6 % 10144 CAE LTE-FDD (6.57) FMA, 100% RB, 14 MHz, 04-CAM) LTE-FDD 6.65 ± 8.6 % 10146 CAF LTE-FDD (6.57) FMA, 100% RB, 14 MHz, 04-CAM) LTE-FDD 6.61 ± 8.6 % 10146 CAF LTE-FDD (6.57) FMA, 50% RB, 20 MHz, 04-CAM) LTE-FDD 6.42 ± 9.6 % 10149 CAE LTE-FDD (6.57) FMA, 50% RB, 20 MHz, 04-CAM) LTE-FDD 6.42 ± 9.6 % 10149 CAE LTE-FDD (6.57) FMA, 50% RB, 20 MHz, 04-CAM) LTE-FDD 6.42 ± 9.6 % 10150 CAG LTE-FDD (6.57) FMA, 50% RB, 20 MHz, 04-CAM) <td< td=""><td></td><td></td><td>IEEE 002.1111 (11 Mixed, 13.5 Mops, BPSK)</td><td></td><td></td><td></td></td<>			IEEE 002.1111 (11 Mixed, 13.5 Mops, BPSK)			
10140 CAE LTE-FDD 6.49 ±0.6 % 10141 CAE LTE-FDD 65.71 ±0.6 % <	· · · · · · · · · · · · · · · · · · ·		TEEE 802.1111 (HT MIXEd, 81 MDps, 16-QAM)			
10141 CAE LTE-FDD 65:3 19:05 10142 CAE LTE-FDD 65:7 19:05 7:3 19:05 10143 CAE LTE-FDD 16:7 19:05 7:3 19:05 10144 CAE LTE-FDD 16:7 19:05 7:3 19:05 10144 CAE LTE-FDD 16:7 19:05 7:3 19:05 10145 CAE LTE-FDD 16:7 19:05 7:5 19:05 10146 CAE LTE-FDD 10:05 R9:1 14:42 0:04 11:15 10:05 10:16 0:05 19:05 0:05 19:05 0:05 19:05 0:05 19:05 0:05 19:05 0:05 19:05 0:05 19:05 0:05 19:05 0:05 10:05 10:05 0:05 10:05 10:05 10:05 10:05 10:05 10:05 10:05 10:05 10:05 10:05 10:05 10:05 10:05 10:05 10:05					8.13	± 9.6 %
10142 CAE LTE-FDD 6:73 4:56.5% 10143 CAE LTE-FDD 6:73 4:56.5% 10144 CAE LTE-FDD 6:67-10A 100% RB.3 MHz, 64-0AM) LTE-FDD 6:67-10A 10145 CAF LTE-FDD 16:67-10A 100% RB.3 MHz, 16-0AM) LTE-FDD 5:76 19.8 % 10144 CAE LTE-FDD 16:77-10A 100% RB.3 (A MHz, 16-0AM) LTE-FDD 6:72 19.6 % 10147 CAE LTE-FDD 16:72-10A 19.6 % 19.6 % 19.6 % 10149 CAE LTE-FDD 16:70-10A 50% RB, 20 MHz, 16-0AM) LTE-FDD 6:60 19.8 % 10150 CAE LTE-FDD 16:70-10A 50% RB, 20 MHz, 46-QAM) LTE-FDD 9:02 19.6 % 10151 CAG LTE-FDD 16:70-78 19.8 % 10.7 % 18.9 % 10.7 % 18.9 % 10.9 % 18.9 % 10.9 % 18.9 % 10.9 % 18.9 % 10.9 % 18.9 % 10.9 % 18.9 % <			LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10143 CAE ITEFDD (SC-FDMA, 100% RB, 3 MHz, 16-OAM) ITEFDD 6.63 18.65 % 10144 CAE ITEFDD (SC-FDMA, 100% RB, 3 MHz, 64-OAM) ITEFDD 6.66 19.6 % 10146 CAF ITEFDD (SC-FDMA, 100% RB, 14 MHz, 16-OAM) ITEFDD 6.67 19.6 % 10146 CAF ITEFDD (SC-FDMA, 100% RB, 14 MHz, 16-OAM) ITEFDD 6.67 19.6 % 10147 CAF ITEFDD (SC-FDMA, 50% RB, 20 MHz, 64-OAM) ITEFDD 6.62 19.6 % 10149 CAE ITEFDD (SC-FDMA, 50% RB, 20 MHz, 64-OAM) ITEFDD 6.60 19.6 % 10150 CAG ITEFDD (SC-FDMA, 50% RB, 20 MHz, 64-OAM) ITEFDD 9.22 19.6 % 10151 CAG ITEFDD (SC-FDMA, 50% RB, 20 MHz, 64-OAM) ITEFDD 10.63 19.6 % 10152 CAG ITEFDD (SC-FDMA, 50% RB, 10 MHz, 16-OAM) ITEFDD 6.63 19.6 % 10152 CAG ITEFDD (SC-FDMA, 50% RB, 10 MHz, 0PSK) ITEFDD 6.63 19.6 % 10158 CAG ITEFDD (SC-FDMA, 50% RB, 10 MHz, 0PSK) ITEFDD 6.43 19.6 % 10156 CAG ITEFDD			LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6 %
10144 CAE LTE-FDD (SC-FDMA, 100% RB, 14 MHz, QPSK) LTE-FDD 5.76 ± 9.6 % 10145 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 16-QAM) LTE-FDD 6.41 ± 9.6 % 10147 CAF LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 ± 9.6 % 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.42 ± 9.6 % 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.60 ± 9.6 % 10151 CAG LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 5.75 ± 9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 5.75 ± 9.6 % 10153 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD 5.75 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 5.77 ± 9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 0-QAM) LTE-FDD 5.64 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 0-QAM) LTE-FDD 5.64 ± 9.6 % 10159	}	***	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	± 9.6 %
10144 CAE LTE-FDD (SC-FDMA, 100% BB, 31 MHz, 64-QAM) LTE-FDD 5.76 ±9.6 % 10146 CAF LTE-FDD (SC-FDMA, 100% BB, 14 MHz, 16-QAM) LTE-FDD 6.41 ±9.6 % 10147 CAF LTE-FDD (SC-FDMA, 50% BB, 20 MHz, 16-QAM) LTE-FDD 6.42 ±9.6 % 10149 CAE LTE-FDD (SC-FDMA, 50% BB, 20 MHz, 16-QAM) LTE-FDD 6.42 ±9.6 % 10150 CAE LTE-FDD (SC-FDMA, 50% BB, 20 MHz, 04-QAM) LTE-FDD 6.42 ±9.6 % 10151 CAG LTE-FDD (SC-FDMA, 50% BB, 20 MHz, 04-QAM) LTE-FDD 5.27 ±9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% BB, 20 MHz, 16-QAM) LTE-FDD 5.75 ±9.6 % 10153 CAG LTE-FDD (SC-FDMA, 50% BB, 20 MHz, 16-QAM) LTE-FDD 5.75 ±9.6 % 10154 CAG LTE-FDD (SC-FDMA, 50% BB, 5 MHz, 16-QAM) LTE-FDD 5.77 ±9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50% BB, 5 MHz, 04-QAM) LTE-FDD 5.79 ±9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% BB, 5 MHz, 04-QAM) LTE-FDD 5.62 ±9.6 % 10158 CAG<			LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10145 CAF LTE+DD (SC-FDMA, 100% RB, 14 MHz, 06-QM) LTE+FDD 5.76 ± 9.6 % 10146 CAF LTE+FDD (SC-FDMA, 100% RB, 14 MHz, 04-QAM) LTE+FDD 6.41 ± 9.6 % 10149 CAF LTE+FDD (SC-FDMA, 50% RB, 20 MHz, 04-QAM) LTE+FDD 6.42 ± 9.6 % 10150 CAE LTE+FDD (SC-FDMA, 50% RB, 20 MHz, 04-QAM) LTE+FDD 6.60 ± 9.6 % 10151 CAG LTE+TDD (SC-FDMA, 50% RB, 20 MHz, 04-QAM) LTE+TDD 9.82 ± 9.6 % 10153 CAG LTE+TDD (SC-FDMA, 50% RB, 20 MHz, 04-QAM) LTE+TDD 9.02 ± 9.6 % 10153 CAG LTE+TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE+FDD 5.75 ± 9.6 % 10155 CAG LTE+FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE+FDD 6.43 ± 9.6 % 10156 CAG LTE+FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE+FDD 6.62 ± 9.6 % 10157 CAG LTE+FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE+FDD 6.62 ± 9.6 % 10158 CAG LTE+FDD (SC-FDMA, 50% RB, 14 MHz, 16-QA	10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)			
10146 CAF LTE-FDD (SC-FDMA, 100% RB, 14 MHz, 46-QAM) LTE-FDD 6.41 ±9.6 % 10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.60 ±9.6 % 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 6.60 ±9.6 % 10151 CAE LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-FDD 9.28 ±9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM) LTE-TDD 9.92 ±9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 40-QAM) LTE-FDD 5.75 ±9.6 % 10154 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 16-QAM) LTE-FDD 6.43 ±9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 16-QAM) LTE-FDD 6.49 ±9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 16-QAM) LTE-FDD 6.62 ±9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 46-QAM) LTE-FDD 6.62 ±9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 46-QAM) LTE-FDD 6.56 ±9.6 % 10160 CA	10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)			
10147 CAF LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-0AM) LTE-FDD 6.72 ±9.6 % 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-0AM) LTE-FDD 6.60 ±9.6 % 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-0AM) LTE-FDD 9.28 ±9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-0AM) LTE-TDD 9.22 ±9.6 % 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-0AM) LTE-TDD 10.05 ±9.6 % 10153 CAG LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-0AM) LTE-FDD 5.75 ±9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 0PSK) LTE-FDD 6.43 ±9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 04-0AM) LTE-FDD 6.43 ±9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 04-0AM) LTE-FDD 6.42 ±9.6 % 10168 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64-0AM) LTE-FDD 6.52 ±9.6 % 10169 CAE LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64-0AM) LTE-FDD 5.82 ±9.6 % 10161 CAE<	10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)			
10149 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-0AM) LTE-FDD 6.6.0 4.9.6 % 10150 CAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-0AM) LTE-FDD 9.28 4.9.6 % 10151 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-0AM) LTE-TDD 9.28 4.9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-0AM) LTE-TDD 9.92 4.9.6 % 10153 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64-0AM) LTE-FDD 5.75 4.9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64-0AM) LTE-FDD 6.43 4.9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64-0AM) LTE-FDD 6.62 4.9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64-0AM) LTE-FDD 6.62 4.9.6 % 10168 CAG LTE-FDD (SC-FDMA, 50% RB, 50 MHz, 64-0AM) LTE-FDD 6.82 4.9.6 % 10169 CAG LTE-FDD (SC-FDMA, 50% RB, 51 MHz, 64-0AM) LTE-FDD 6.82 4.9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 0FSK) LTE-FDD 6.82 4.9.6 % 10162	10147	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)			
10150 CAE LTE-FDD (SC-FDMA, 50%, RB, 20 MHz, G-AAM) LTE-FDD 6.60 29.8 49.6 % 10151 CAG LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, G-AAM) LTE-TDD 9.28 ±9.6 % 10152 CAG LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, G-AAM) LTE-TDD 9.92 ±9.6 % 10153 CAG LTE-TDD (SC-FDMA, 50%, RB, 20 MHz, G-AAM) LTE-TDD 10.05 ±9.6 % 10154 CAG LTE-TDD (SC-FDMA, 50%, RB, 60 MHz, G-SK) LTE-FDD 5.75 ±9.6 % 10155 CAG LTE-FDD (SC-FDMA, 50%, RB, 61 MHz, G-SK) LTE-FDD 6.43 ±9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, G-AAM) LTE-FDD 6.43 ±9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, G-AAM) LTE-FDD 6.52 ±9.6 % 10168 CAG LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, G-AAM) LTE-FDD 6.82 ±9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50%, RB, 5 MHz, G-AAM) LTE-FDD 5.82 ±9.6 % 10161 CAF LTE-FDD (SC-FDMA, 50%, RB, 14 MH	10149	CAE	LTE-FDD (SC-FDMA 50% RB 20 MHz 16-OAM)			
10151 CAG LTE-TDD GSC-FDMA, 50% RB, 20 MHz, QPSK) LTE-TDD 9.28 ± 9.6 % 10152 CAG LTE-TDD ICSC-FDMA, 50% RB, 20 MHz, 40-AAM) LTE-TDD 9.02 ± 9.6 % 10153 CAG LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 40-AAM) LTE-TDD 10.05 ± 9.6 % 10154 CAG LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK) LTE-FDD 6.43 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 6.43 ± 9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 6.49 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, A-QAM) LTE-FDD 6.49 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 5.46 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 5.46 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, Q-SK) LTE-FDD 5.42 ± 9.6 %<						
10152 CAG LTE-TDD Sol A Sol A <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td></th<>						
10153 CAG LTE-TDD 50.2 £3.6 % 10154 CAG LTE-TDD 10.0 5.7.5 ±9.6 % 10155 CAG LTE-TDD SC-FDMA, 50% RB, 10 MHz, G-QAM) LTE-TDD 5.7.5 ±9.6 % 10155 CAG LTE-TDD SC-FDMA, 50% RB, 5 MHz, OPSK) LTE-FDD 6.4.3 ±9.6 % 10156 CAG LTE-FDD SC-FDMA, 50% RB, 5 MHz, OPSK) LTE-FDD 6.4.9 ±9.6 % 10158 CAG LTE-FDD SC-FDMA, 50% RB, 5 MHz, 64-OAM) LTE-FDD 6.4.9 ±9.6 % 10158 CAG LTE-FDD SC-FDMA, 50% RB, 15 MHz, 04-OAM) LTE-FDD 6.4.3 ±9.6 % 10160 CAE LTE-FDD SC-FDMA, 50% RB, 15 MHz, 04-OAM) LTE-FDD 5.8.2 ±9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 04-OAM) LTE-FDD 5.4.6 ±9.6 % ±9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 04-OAM) LTE-FDD 5.4.8 ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % ±9.6 % <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
10154 CAG LTE-FDD SC-FDMA, 50% RB, 10 MHz, GPSK) LTE-FDD 5.75 ± 9.6 % 10155 CAG LTE-FDD SC-FDMA, 50% RB, 10 MHz, GPSK) LTE-FDD 6.43 ± 9.6 % 10156 CAG LTE-FDD SC-FDMA, 50% RB, 5 MHz, GPSK) LTE-FDD 6.43 ± 9.6 % 10157 CAG LTE-FDD SC-FDMA, 50% RB, 5 MHz, G4-QAM) LTE-FDD 6.62 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 5.82 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 5.82 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 5.48 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 46-QAM) LTE-FDD 5.48 ± 9.6 % 10169 CAF LTE-FDD (SC-FDMA, 178, 20 MHz, 16-QAM) LTE-FDD 5.73 ± 9.6 % 10160 CAE			LTE TOD (SC EDMA 50% DD 20 MUE 04 CAN)			
10155 CAG LTE-FDD GC-FDMA, 50% RB, 10 MHz, 16-QAM) LTE-FDD G.43 ± 9.6 % 10156 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 ± 9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 6.49 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.68 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 18, 20 MHz, 64-QAM) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, 16			LTE-100 (SC-FDMA, 50% RB, 20 MHZ, 64-QAM)			
10166 CAG LTE-FDD ISC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 5.79 ± 9.6 % 10157 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM) LTE-FDD 6.49 ± 9.6 % 10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 40-QAM) LTE-FDD 6.62 ± 9.6 % 10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 40-QAM) LTE-FDD 6.56 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 40-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 40-QAM) LTE-FDD 6.58 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.54 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.79 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 10% Z0 MHz, QPSK) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 178, 20 MHz, QPSK) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 178, 20 MHz, QPSK) LTE-FDD 6.73 ± 9.6 %					5.75	± 9.6 %
10157 CAG LTE-FDD SC-FDMA, 60%, RD, 5 MHz, 16-QAM) LTE-FDD 6.49 ± 9.6 % 10158 CAG LTE-FDD SC-FDMA, 50%, RB, 5 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10158 CAG LTE-FDD SC-FDMA, 50%, RB, 5 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10160 CAG LTE-FDD SC-FDMA, 50%, RB, 15 MHz, 0PSK) LTE-FDD 6.43 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50%, RB, 15 MHz, 0PSK) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, 0PSK) LTE-FDD 6.44 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50%, RB, 14 MHz, 0PSK) LTE-FDD 6.44 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 178, 20 MHz, 0PSK) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 178, 20 MHz, 0PSK) LTE-FDD 6.49 ± 9.6 % 10171 AAE LTE-FDD (SC-FDMA, 178, 20 MHz, 0-GAM) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 178, 20 MHz, 16-QAM) LTE-FDD 9.6 % 10173 <t< td=""><td></td><td></td><td></td><td>LTE-FDD</td><td>6.43</td><td>± 9.6 %</td></t<>				LTE-FDD	6.43	± 9.6 %
10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK) LTE-FDD 6.66 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.21 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.21 ± 9.6 % 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.21 ± 9.6 % 10169 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 6.62 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10172 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10173 CAG L			LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10158 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-OAM) LTE-FDD 6.62 ± 9.6 % 10159 CAG LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 0PSK) LTE-FDD 6.56 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 0PSK) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 0E-OAM) LTE-FDD 6.58 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 0E-OAM) LTE-FDD 6.21 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, 0E-OAM) LTE-FDD 6.21 ± 9.6 % 10167 CAF LTE-FDD (SC-FDMA, 178, 20 MHz, 0A-OAM) LTE-FDD 6.73 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 178, 20 MHz, 0A-OAM) LTE-FDD 6.52 ± 9.6 % 10171 CAE LTE-FDD (SC-FDMA, 178, 20 MHz, 0A-OAM) LTE-FDD 6.42 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 178, 20 MHz, 0A-OAM) LTE-FDD 6.52 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 178, 20 MHz, 0A-OAM) LTE-FDD			LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6 %
10159 CAG LTE-FDD (S.62 ± 9.6 % 10160 CAE LTE-FDD (S.62 ± 9.6 % 10161 CAE LTE-FDD (S.62 ± 9.6 % 10161 CAE LTE-FDD (S.C-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD (S.43 ± 9.6 % 10162 CAE LTE-FDD (S.C-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-FDD (S.46 ± 9.6 % 10163 CAF LTE-FDD (S.C-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-FDD (S.72 ± 9.6 % 10168 CAF LTE-FDD (S.C-FDMA, 50% RB, 14 MHz, 16-QAM) LTE-FDD (S.73 ± 9.6 % 10169 CAE LTE-FDD (S.C-FDMA, 1RB, 20 MHz, 16-QAM) LTE-FDD (S.73 ± 9.6 % 10171 AAE LTE-FDD (S.C-FDMA, 1RB, 20 MHz, 16-QAM) LTE-FDD (S.2 ± 9.6 %) 10172 CAG LTE-FDD (S.C-FDMA, 1RB, 20 MHz, 64-QAM) LTE-FDD (S.2 ± 9.6 %) 10173 CAG LTE-FDD (S.C-FDMA, 1RB, 20 MHz, 64-QAM) LTE-FDD 9.48 ± 9.6 % </td <td></td> <td>CAG</td> <td>LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)</td> <td></td> <td>6.62</td> <td></td>		CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)		6.62	
10160 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK) LTE-FDD 5.82 ± 9.6 % 10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM) LTE-FDD 6.43 ± 9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.58 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.21 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 50% RB, 14 MHz, QPSK) LTE-FDD 6.73 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 178, 20 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10171 CAE LTE-FDD (SC-FDMA, 178, 20 MHz, QPSK) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 178, 20 MHz, GPSK) LTE-FDD 9.48 ± 9.6 % 10173 CAG LTE-TDD (SC-FDMA, 178, 20 MHz, GPSK) LTE-FDD 9.48 ± 9.6 % 10174 CAG LTE-TDD (SC-FDMA, 178, 20 MHz, GPSK) LTE-FDD 9.48 ± 9.6 % 10174 CAG LTE-FDD (SC-FDMA, 178, 10 MHz, GPSK) LTE-FDD		CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)			
10161 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-OAM) LTE-FDD 6.43 ±9.6 % 10162 CAE LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-OAM) LTE-FDD 6.58 ±9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 6.6.21 ±9.6 % 10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.79 ±9.6 % 10168 CAF LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-FDD 6.79 ±9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-FDD 6.49 ±9.6 % 10171 AAE LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-FDD 6.49 ±9.6 % 10171 CAG LTE-TDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-TDD 9.21 ±9.6 % 10173 CAG LTE-FDD (SC-FDMA, 1RB, 20 MHz, GA-QAM) LTE-FDD 9.48 ±9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1RB, 20 MHz, GA-QAM) LTE-FDD 9.21 ±9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1RB, 20 MHz, GA-QAM) LTE-FDD 5.72 ±9.6 % 10176 CAG LTE-FDD (SC	10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	and secondate		
10162 CAE LTE-FDD (S.CF.DMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD 6.58 ± 9.6 % 10166 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK) LTE-FDD 5.46 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 18B, 20 MHz, QPSK) LTE-FDD 6.79 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10171 AAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-TDD 9.21 ± 9.6 % 10173 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) <	10161	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	· · · · · · · · · · · · · · · · · · ·		
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10167 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD 6.21 ± 9.6 % 10168 CAF LTE-FDD (SC-FDMA, 1RB, 20 MHz, QPSK) LTE-FDD 6.79 ± 9.6 % 10170 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10171 AAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 6.49 ± 9.6 % 10173 CAG LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-TDD 9.21 ± 9.6 % 10173 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM) LTE-TDD 9.21 ± 9.6 % 10173 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, G4-QAM) LTE-TDD 9.48 ± 9.6 % 10174 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, G4-QAM) LTE-FDD 5.72 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, G4-QAM) LTE-FDD	10166	CAF	LTE-FDD (SC-FDMA 50% RB 14 MHz OPSK)		and the second se	
10168 CAF LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM) LTE-FDD 6.79 ± 9.6 % 10169 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10171 CAE LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.62 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 6.49 ± 9.6 % 10172 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-TDD 9.21 ± 9.6 % 10173 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-TDD 9.48 ± 9.6 % 10175 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 0PSK) LTE-FDD 5.73 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 0PSK) LTE-FDD 5.73 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 6.52 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD<		CAF	LTE-EDD (SC-EDMA 50% RB 14 MHz, 16-0AM)			for the second sec
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10173 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) LTE-TDD 9.48 ± 9.6 % 10174 CAG LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM) LTE-TDD 10.25 ± 9.6 % 10175 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10176 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10178 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10180 CAG LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM) LTE-FDD 6.52 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM) LTE-FDD 6.52 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.52 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD <td></td> <td></td> <td>LTE-FDD (SC-FDMA, 1 KB, 20 MHZ, 64-QAM)</td> <td></td> <td></td> <td></td>			LTE-FDD (SC-FDMA, 1 KB, 20 MHZ, 64-QAM)			
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10176 CAG LTE-FDD 5.72 1.3.0 % 10177 CAI LTE-FDD 6.52 ± 9.6 % 10177 CAI LTE-FDD (S.2 ± 9.6 %) LTE-FDD 6.52 ± 9.6 % 10178 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10180 CAG LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10181 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 %			LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)			
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10177 CAI LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10178 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM) LTE-FDD 6.50 ± 9.6 % 10180 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10181 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, G4-QAM) LTE-FDD 6.52 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.52 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.71 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM) LTE-FDD 5.73 ± 9.6 % 10186 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM) LTE-FDD		f	LTE-FUD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD		
10178 CAG LTE-FDD 6.52 ± 9.6 % 10179 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10180 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10181 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 6.51 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, G4-QAM) LTE-FDD 6.51 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, G4-QAM) LTE-FDD 5.65 ± 9.6 % <td></td> <td></td> <td>LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)</td> <td>······································</td> <td></td> <td></td>			LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	······································		
10179 CAG LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10180 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10181 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10186 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10186 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 0.4 QPSK) LTE-FDD 5.73 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 0.4 QPSK) LTE-FDD 5.73 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 0.4 QPSK)			LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)			
10180 CAG LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10181 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 6.50 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 6.50 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10189 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN <td></td> <td>CAG</td> <td>LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)</td> <td></td> <td></td> <td></td>		CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)			
10181 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK) LTE-FDD 5.72 ± 9.6 % 10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 6.50 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE		CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)		·	
10182 CAE LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 5.73 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.10 ± 9.6 % 10196 CAC IEEE 802.11n (10181	CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)			
10183 AAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 6.50 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.12 ± 9.6 % 10195 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10196 CAC IE	10182		LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)			
10184 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 6.50 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 6.52 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.12 ± 9.6 % 10195 CAC IEEE 802.11n (HT Mixed, 65 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 65 Mbps, BPSK) WLAN		······································	LTE-FDD (SC-FDMA, 1 RB, 15 MHz 64-OAM)			
10185 CAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM) LTE-FDD 6.51 ± 9.6 % 10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 14 MHz, QPSK) LTE-FDD 6.50 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 6.50 ± 9.6 % 10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, BPSK) WLAN 8.12 ± 9.6 % 10195 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.12 ± 9.6 % 10196 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WL			LTE-FDD (SC-FDMA, 1 RB, 3 MHz, OPSK)			
10186 AAE LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 6.50 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, BPSK) WLAN 8.12 ± 9.6 % 10195 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.12 ± 9.6 % 10196 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.10 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.13 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) <td< td=""><td></td><td></td><td>1 TE-EDD (SC-EDMA 1 BB 3 MHz, 16 OAM)</td><td></td><td></td><td></td></td<>			1 TE-EDD (SC-EDMA 1 BB 3 MHz, 16 OAM)			
10187 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD 5.73 ± 9.6 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.12 ± 9.6 % 10195 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.12 ± 9.6 % 10196 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.10 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.13 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)						
10188 CAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 5.73 19.0 % 10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM) LTE-FDD 6.52 ± 9.6 % 10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.12 ± 9.6 % 10195 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.12 ± 9.6 % 10196 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.11 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.13 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, 64-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) <td< td=""><td></td><td></td><td></td><td>1000 Colores</td><td></td><td></td></td<>				1000 Colores		
10189 AAF LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) LTE-FDD 6.50 ± 9.6 % 10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10195 CAC IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ± 9.6 % 10196 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.13 ± 9.6 % 10219 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %						
10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ± 9.6 % 10195 CAC IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ± 9.6 % 10196 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, 64-QAM) WLAN 8.21 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 % 10219 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %			LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)		6.52	±9.6 %
10193 CAC IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK) WLAN 8.09 ± 9.6 % 10194 CAC IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ± 9.6 % 10195 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.12 ± 9.6 % 10196 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 % 10219 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %			LIE-FUD (SU-FUMA, 1 KB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6 %
10194 CAC IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) WLAN 8.12 ± 9.6 % 10195 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, 64-QAM) WLAN 8.21 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, 16-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ± 9.6 % 10219 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %			IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	
10195 CAC IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM) WLAN 8.21 ± 9.6 % 10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.13 ± 9.6 % 10219 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %			IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	
10196 CAC IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) WLAN 8.10 ± 9.6 % 10197 CAC IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 % 10219 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %			IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	and the second sec		
10197 CAC IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) WLAN 8.13 ± 9.6 % 10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 % 10219 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %		CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)			
10198 CAC IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM) WLAN 8.27 ± 9.6 %			IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)			
10219 CAC LEEE 202.145 (UT Minet 7.0 Minet DDD)(0) VICINI 0.27 19.0 %		CAC	IEEE 802.11n (HT Mixed, 65 Mbps. 64-QAM)			
	10219		IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	$\pm 9.6\%$

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10220	CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10224	CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10225	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10226	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10227	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6 %
10228	CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6 %
10229	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	± 9.6 %
10232	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10233	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10234	CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10235	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10236	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10237	CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6 %
10238	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.48	±9.6 %
10239	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6 %
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9,21	± 9.6 %
10241		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	± 9.6 %
10242	CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6 %
10243		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 4F3R)	LTE-TDD	10.06	± 9.6 %
10244	CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6 %
		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10246	CAC		LTE-TDD	9.91	± 9.6 %
10247	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	10.09	± 9.6 %
10248	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)		a contraction of the second	$\pm 9.6\%$
10249	CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	
10250	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6 %
10251	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	± 9.6 %
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6 %
10254	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	± 9.6 %
10255	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6 %
10256	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	± 9.6 %
10257		LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	± 9.6 %
10258	CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	± 9.6 %
10259	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6 %
10260	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
10261	CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
10262	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
10263	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
10264	CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6 %
10265	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6 %
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6 %
	,			3.96	± 9.6 %
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3,30	
10275	CAB CAA	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) PHS (QPSK)	WCDMA PHS		
10277	CAA	PHS (QPSK)	PHS	11.81	± 9.6 %
10277 10278	CAA CAA	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS PHS	11.81 11.81	± 9.6 % ± 9.6 %
10277 10278 10279	CAA CAA CAA	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS PHS PHS	11.81 11.81 12.18	± 9.6 % ± 9.6 % ± 9.6 %
10277 10278 10279 10290	CAA CAA CAA AAB	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS (QPSK, BW 884MHz, Rolloff 0.38) CDMA2000, RC1, SO55, Full Rate	PHS PHS PHS CDMA2000	11.81 11.81 12.18 3.91	± 9.6 % ± 9.6 % ± 9.6 % ± 9.6 %
10277 10278 10279 10290 10291	CAA CAA CAA AAB AAB	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS (QPSK, BW 884MHz, Rolloff 0.38) CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate	PHS PHS CDMA2000 CDMA2000	11.81 11.81 12.18 3.91 3.46	$\begin{array}{r} \pm \ 9.6 \ \% \\ \pm \ 9.6 \ \% \end{array}$
10277 10278 10279 10290 10291 10292	CAA CAA CAA AAB AAB AAB	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS (QPSK, BW 884MHz, Rolloff 0.38) CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate	PHS PHS CDMA2000 CDMA2000 CDMA2000	11.81 11.81 12.18 3.91 3.46 3.39	$\begin{array}{r} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10277 10278 10279 10290 10291 10292 10293	CAA CAA CAA AAB AAB AAB AAB	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS (QPSK, BW 884MHz, Rolloff 0.38) CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate	PHS PHS CDMA2000 CDMA2000 CDMA2000 CDMA2000	11.81 11.81 12.18 3.91 3.46 3.39 3.50	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10277 10278 10279 10290 10291 10292 10293 10295	CAA CAA CAA AAB AAB AAB AAB AAB	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS (QPSK, BW 884MHz, Rolloff 0.38) CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate	PHS PHS CDMA2000 CDMA2000 CDMA2000 CDMA2000 CDMA2000	11.81 11.81 12.18 3.91 3.46 3.39 3.50 12.49	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10277 10278 10279 10290 10291 10292 10293 10295 10297	CAA CAA CAA AAB AAB AAB AAB AAB AAB	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS (QPSK, BW 884MHz, Rolloff 0.38) CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	PHS PHS CDMA2000 CDMA2000 CDMA2000 CDMA2000 CDMA2000 LTE-FDD	11.81 11.81 12.18 3.91 3.46 3.39 3.50 12.49 5.81	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$
10277 10278 10279 10290 10291 10292 10293 10295	CAA CAA CAA AAB AAB AAB AAB AAB	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5) PHS (QPSK, BW 884MHz, Rolloff 0.38) CDMA2000, RC1, SO55, Full Rate CDMA2000, RC3, SO55, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO32, Full Rate CDMA2000, RC3, SO3, Full Rate	PHS PHS CDMA2000 CDMA2000 CDMA2000 CDMA2000 CDMA2000	11.81 11.81 12.18 3.91 3.46 3.39 3.50 12.49	$\begin{array}{c} \pm 9.6 \% \\ \pm 9.6 \% \end{array}$

10300	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)			T
10301	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	LTE-FDD	6.60	± 9.6 %
10302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)		12.03	± 9.6 %
10002		symbols)	WIMAX	12.57	± 9.6 %
10303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)			
10304	AAA	IEEE 802.100 WIMAX (31:15, 5ms, 10MHZ, 64QAM, PUSC)	WIMAX	12.52	± 9.6 %
10305	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WIMAX	11.86	± 9.6 %
10000		IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	± 9.6 %
10306	AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18			
10000		symbols)	WIMAX	14.67	± 9.6 %
10307		IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18			
10007		symbols)	WIMAX	14.49	± 9.6 %
10308	AAA				
10309	AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WIMAX	14.46	±9.6 %
10000		IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	± 9.6 %
10310	AAA				
10010	1000	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18	WIMAX	14.57	± 9.6 %
10311	AAD	symbols)	·		·····
10313	AAA	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK) IDEN 1:3	LTE-FDD	6.06	± 9.6 %
10313			IDEN	10.51	± 9.6 %
		IDEN 1:6	IDEN	13.48	± 9.6 %
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	± 9.6 %
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6 %
10317	AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6 %
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 %
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6 %
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	± 9.6 %
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	± 9.6 %
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	± 9.6 %
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6 %
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6 %
10399	AAA	64-QAM Waveform, 40 MHz	Generic		
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	WLAN	6.27	± 9.6 %
10401	AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)		8.37	± 9.6 %
10402	AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6%
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	WLAN	8.53	± 9.6 %
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.76	± 9.6 %
10406	AAB	CDMA2000 (1XEV-DO, ROV. A)	CDMA2000	3.77	±9.6 %
10400	AAF	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6 %
10410		LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL	LTE-TDD	7.82	±9.6%
10414	AAA	Subframe=2,3,4,7,8,9, Subframe Conf=4)			
10414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	±9.6 %
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	± 9.6 %
		IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	± 9.6 %
10417	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6 %
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.14	± 9.6 %
10/10	A A A	Long preambule)			
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle,	WLAN	8.19	±9.6 %
10400	A A F	Short preambule)			
10422	AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
10423	AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
10424	AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
10425	AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
10426	AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
10427	AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10430	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA		± 9.6 %
10435	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL		8.60	± 9.6 %
		Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10447	AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)			
10448	AAD	TE-EDD (OFDMA, 10 MHz E TM 3.1, Olipping 44%)	LTE-FDD	7.56	±9.6 %
	AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	±9.6 %
11122.0		$\Box I = FUU (UFU)(A, IO)(HZ, E-1)(3.1. ())(D)(A4%)$	LTE-FDD	7.51	± 9.6 %
10449 10450	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	± 9.6 %

10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	± 9.6 %
10456	AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	± 9,6 %
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	± 9.6 %
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	± 9.6 %
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	± 9.6 %
10460	AAA	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	± 9.6 %
10461	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10462	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	± 9.6 %
10463	AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	± 9.6 %
10464	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10465	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6 %
10466	AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10467	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10468	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6 %
10469	AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6 %
10470	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6 %
10471	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10472	AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10473	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
10474	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10475	AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10477	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	± 9.6 %
10478	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	± 9.6 %
10479	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	± 9.6 %
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	± 9.6 %
10482	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	± 9.6 %
10483	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	± 9.6 %
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	± 9.6 %
10485	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	± 9.6 %
10486	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	± 9.6 %
10487	AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	± 9.6 %
10488	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	± 9.6 %
10489	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10490	AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6 %

10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	± 9.6 %
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	± 9.6 %
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	± 9.6 %
10497	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10498	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	± 9.6 %
10499	AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	± 9.6 %
10500	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	± 9.6 %
10501	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	± 9.6 %
10502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	± 9.6 %
10503	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	± 9.6 %
10504	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	± 9.6 %
10505	AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6 %
10506	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10507	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	± 9.6 %
10508	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	± 9.6 %
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	± 9.6 %
10510	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	± 9.6 %
10511	AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6 %
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6 %
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	± 9.6 %
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	± 9.6 %
10518	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	$\pm 9.6\%$
10519	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6 %
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6 %
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	± 9.6 %
10522	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6 %
10523	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	± 9.6 %
10524	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	± 9.6 %
10525	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10526	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6 %
10527	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	± 9.6 %
10528	AAB	IEEE 802.11ac WIFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10529	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	WLAN	8.36	± 9.6 %
10531	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	WLAN	8.43	± 9.6 %
10532	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10533	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6 %
10534	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	110.00	0.00	1. J. O /0 I

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10535	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	WLAN WLAN	8.45	±9.6%
10536	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	WLAN	8.44	± 9.6 % ± 9.6 %
10537	AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)		8.54	± 9.6 %
10538	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	WLAN		
10540	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10541	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	WLAN	8.46	± 9.6 %
10542	AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10543	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	WLAN	8.65	± 9.6 %
10544	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±96%
10545	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6 %
10546	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6 %
10547	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	WLAN	8.49	± 9.6 %
10548	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	± 9.6 %
10550	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	WLAN	8.38	± 9.6 %
10551	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6 %
10552	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6 %
10553	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10554	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	WLAN	8.47	± 9.6 %
		IEEE 802.11ac WiFt (160MHz, MCS1, 35pc duty cycle)	WLAN	8.50	± 9.6 %
10556	AAC		WLAN	8.52	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)			± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	WLAN	8.61	
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	WLAN	8.73	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	WLAN	8.56	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	WLAN	8.69	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty	WLAN	8.25	± 9.6 %
		cycle)			
10565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty	WLAN	8.45	± 9.6 %
		cycle)			
10566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty	WLAN	8.13	± 9.6 %
		cycle)			
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty	WLAN	8.00	± 9.6 %
		cycle)			
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty	WLAN	8.37	± 9.6 %
10000		cycle)			
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty	WLAN	8.10	± 9.6 %
10000	1.001	cycle)			-
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty	WLAN	8.30	± 9.6 %
10070		cycle)			,.
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6 %
10572		IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	± 9.6 %
		IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Wbbs, 30pc duty cycle)	WLAN	1.98	± 9.6 %
10573	AAA	TEEE 802.11D WIFI 2.4 GHZ (DSSS, 5.5 Wbps, 90pc duty cycle)			± 9.6 %
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty	WLAN	8.59	± 9.6 %
		cycle)			10.0.0/
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty	WLAN	8.60	± 9.6 %
		cycle)			
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty	WLAN	8.70	± 9.6 %
		cycle)			
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty	WLAN	8.49	± 9.6 %
		cycle)			
10579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty	WLAN	8.36	± 9.6 %
		cycle)			
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty	WLAN	8.76	± 9.6 %
		cycle)	1		
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty	WLAN	8.35	± 9.6 %
		cycle)			
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty	WLAN	8.67	± 9.6 %
10002		cycle)	1	0.01	/0
10500	A A 15	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	± 9.6 %
10583			WLAN	8.60	± 9.6 %
10584	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)			± 9.6 %
10585	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	
10586	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	± 9.6 %
10587	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	± 9.6 %

40500					
10588		IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10589	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	± 9.6 %
10590	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	± 9.6 %
10591	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	WLAN	8.63	± 9.6 %
10592	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10593	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10594	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10595	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6 %
10596	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10597	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6 %
10598	AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	WLAN	8.50	± 9.6 %
10599	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10600	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10601	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6 %
10602	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10603	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	WLAN	9.03	± 9.6 %
10604	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10605	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	WLAN	8.97	± 9.6 %
10606	AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10607	AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	WLAN	8.64	± 9.6 %
10608	AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10609	AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	± 9.6 %
10610	AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10611	AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
10612	AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10613	AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	± 9.6 %
10614	AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6 %
10615	AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10616	AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6%
10617	AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10618	AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	WLAN	8.58	± 9.6 %
10619	AAB	IEEE 802.11ac WIFi (40MHz, MCS3, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10620	AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10621	AAB	IEEE 802.11ac WIFI (40MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10622	AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6 %
10623	AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6 %
10624	AAB	IEEE 802.11ac WIFi (40MHz, MCS8, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10625	AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	WLAN	8.96	± 9.6 %
10626	AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10627	AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	WLAN	8.88	± 9.6 %
10628	AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	WLAN	8.71	± 9.6 %
10629	AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6 %
10630	AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	WLAN	8.72	± 9.6 %
10631	AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6 %
10632	AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
10633	AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10634	AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10635	AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10636	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10637	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	WLAN	8.79	± 9.6 %
10638	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	WLAN	8.86	± 9.6 %
10639	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	WLAN	8.85	± 9.6 %
10640	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	WLAN	8.98	± 9.6 %
10641	AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10642	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	WLAN	9.06	± 9.6 %
10643	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10644	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	WLAN	9.05	± 9.6 %
10645	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	WLAN	9.11	± 9.6 %
10646	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
	AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	± 9.6 %
10647					
10647 10648	AAA	CDMA2000 (1x Advanced)	<u>(`</u>])ΜΔ2000	275	
10647 10648 10652	AAA AAD		CDMA2000	3.45	±9.6%
10647 10648		LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%) LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD LTE-TDD	3.45 6.91 7.42	± 9.6 % ± 9.6 %

10055		LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)		7.04	1060/
10655 10658	AAE AAA	Pulse Waveform (200Hz, 10%)	LTE-TDD Test	7.21	± 9.6 % ± 9.6 %
10659	AAA	Pulse Waveform (200Hz, 20%)	Test	6,99	± 9.6 %
10660	AAA	Pulse Waveform (200Hz, 20%)	Test	3.98	± 9.6 %
10661	AAA	Pulse Waveform (200Hz, 60%)	Test	2.22	± 9.6 %
10662	AAA	Pulse Waveform (200Hz, 80%)	Test	0.97	± 9.6 %
10670		Bluetooth Low Energy	Bluetooth	2.19	± 9.6 %
10670	AAA	IEEE 802.11ax (20MHz, MCS0, 90pc duty cycle)	WLAN	9.09	± 9.6 %
10672	AAA	IEEE 802.11ax (20MHz, MCS0, 30pc duty cycle)	WLAN	8.57	± 9.6 %
10673	AAA	IEEE 802.11ax (20MHz, MCS1, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10673		IEEE 802.11ax (20MHz, MCS2, 30pc duty cycle)	WLAN	8.74	± 9.6 %
10675	AAA	IEEE 802.11ax (20MHz, MCS4, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10676	AAA	IEEE 802.11ax (20MHz, MCS5, 90pc duty cycle)	WLAN	8.77	± 9.6 %
10677	AAA	IEEE 802.11ax (20MHz, MCS6, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10678	AAA	IEEE 802.11ax (20MHz, MCS7, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10679	AAA	IEEE 802.11ax (20MHz, MCS8, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10680	AAA	IEEE 802.11ax (20MHz, MCS9, 90pc duty cycle)	WLAN	8.80	± 9.6 %
10681	AAA	IEEE 802.11ax (20MHz, MCS10, 90pc duty cycle)	WLAN	8.62	± 9.6 %
10682	AAA	IEEE 802.11ax (20MHz, MCS11, 90pc duty cycle)	WLAN	8.83	± 9.6 %
10683	AAA	IEEE 802.11ax (20MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
10684	AAA	IEEE 802.11ax (20MHz, MCS0, 35pc duty cycle)	WLAN	8.26	± 9.6 %
10685	AAA	IEEE 802.11ax (20MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10686	AAA	IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle)	WLAN	8.28	± 9.6 %
10687	AAA	IEEE 802.11ax (20MHz, MCS4, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10688	AAA	IEEE 802.11ax (20MHz, MCS5, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10689	AAA	IEEE 802.11ax (20MHz, MCS6, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10690	AAA	IEEE 802.11ax (20MHz, MCS7, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10691	AAA	IEEE 802.11ax (20MHz, MCS8, 99pc duty cycle)	WLAN	8.25	± 9.6 %
10692	AAA	IEEE 802.11ax (20MHz, MCS9, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10693	AAA	IEEE 802.11ax (20MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6 %
10694	AAA	IEEE 802.11ax (20MHz, MCS11, 99pc duty cycle)	WLAN	8.57	± 9.6 %
10695	AAA	IEEE 802.11ax (40MHz, MCS0, 90pc duty cycle)	WLAN	8.78	± 9.6 %
10696	AAA	IEEE 802.11ax (40MHz, MCS1, 90pc duty cycle)	WLAN	8.91	± 9.6 %
10697	AAA	IEEE 802.11ax (40MHz, MCS2, 90pc duty cycle)	WLAN	8.61	± 9.6 %
10698	AAA	IEEE 802.11ax (40MHz, MCS3, 90pc duty cycle)	WLAN	8.89	± 9.6 %
10699	AAA	IEEE 802.11ax (40MHz, MCS4, 90pc duty cycle)	WLAN	8.82	± 9.6 %
10700	AAA	IEEE 802.11ax (40MHz, MCS5, 90pc duty cycle)	WLAN	8.73	± 9.6 %
10701	AAA	IEEE 802.11ax (40MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6 %
10702	AAA	IEEE 802.11ax (40MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6 %
10703	AAA	IEEE 802.11ax (40MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6 %
10704	AAA	IEEE 802.11ax (40MHz, MCS9, 90pc duty cycle)	WLAN	8.56	± 9.6 %
10705	AAA	IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)	WLAN	8.69	± 9.6 %
10706	AAA	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	± 9.6 %
10707	AAA	IEEE 802.11ax (40MHz, MCS0, 99pc duty cycle)	WLAN	8.32	± 9.6 %
10708	AAA	IEEE 802.11ax (40MHz, MCS1, 99pc duty cycle)	WLAN	8.55	± 9.6 %
10709	AAA	IEEE 802.11ax (40MHz, MCS2, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10710	AAA	IEEE 802.11ax (40MHz, MCS3, 99pc duty cycle)	WLAN	8.29	± 9.6 %
10711	AAA	IEEE 802.11ax (40MHz, MCS4, 99pc duty cycle)	WLAN	8.39	± 9.6 %
10712	AAA	IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	WLAN	8.67	± 9.6 %
10713	AAA	IEEE 802.11ax (40MHz, MCS6, 99pc duty cycle)	WLAN	8.33	± 9.6 %
10714	AAA	IEEE 802.11ax (40MHz, MCS7, 99pc duty cycle)	WLAN	8.26	± 9.6 %
10715	AAA	IEEE 802.11ax (40MHz, MCS8, 99pc duty cycle)	WLAN	8.45	± 9.6 %
10716	AAA	IEEE 802.11ax (40MHz, MCS9, 99pc duty cycle)	WLAN	8.30	± 9.6 %
10717	AAA	IEEE 802.11ax (40MHz, MCS10, 99pc duty cycle)	WLAN	8.48	± 9.6 %
10718	AAA	IEEE 802.11ax (40MHz, MCS11, 99pc duty cycle)	WLAN	8.24	± 9.6 %
10719	AAA	IEEE 802.11ax (80MHz, MCS0, 90pc duty cycle)	WLAN	8.81	± 9.6 %
10720	AAA	IEEE 802.11ax (80MHz, MCS1, 90pc duty cycle)	WLAN	8.87	± 9.6 %
10721	AAA	IEEE 802.11ax (80MHz, MCS2, 90pc duty cycle)	WLAN	8.76	± 9.6 %
10722	AAA	IEEE 802.11ax (80MHz, MCS3, 90pc duty cycle)	WLAN	8.55	± 9.6 %
10723	AAA	IEEE 802.11ax (80MHz, MCS4, 90pc duty cycle)	WLAN	8.70	± 9.6 %
1 40704	AAA	IEEE 802.11ax (80MHz, MCS5, 90pc duty cycle)	WLAN	8.90	± 9.6 %
10724					
10725	AAA	IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle)	WLAN	8.74	± 9.6 %
		IEEE 802.11ax (80MHz, MCS6, 90pc duty cycle) IEEE 802.11ax (80MHz, MCS7, 90pc duty cycle) IEEE 802.11ax (80MHz, MCS8, 90pc duty cycle)	WLAN WLAN WLAN	8.74 8.72 8.66	± 9.6 % ± 9.6 % ± 9.6 %

1	AAA				
10/29		IEEE 802.11ax (80MHz, MCS9, 90pc duty cycle)	WLAN	8.65	± 9.6 %
		IEEE 802.11ax (80MHz, MCS10, 90pc duty cycle)	WLAN	8.64	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS11, 90pc duty cycle)	WLAN	8.67	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS0, 99pc duty cycle)	WLAN	8.42	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS1, 99pc duty cycle)	WLAN	8.46	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS2, 99pc duty cycle)	WLAN	8.40	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS5, 99pc duty cycle)	WLAN	8.27	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS6, 99pc duty cycle)	WLAN	8.36	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS7, 99pc duty cycle)	WLAN	8.42	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS8, 99pc duty cycle)	WLAN	8.29	± 9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6 %
	AAA	IEEE 802.11ax (80MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS2, 90pc duty cycle)	WLAN	8.93	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS4, 90pc duty cycle)	WLAN	9.04	± 9.6 %
1	AAA	IEEE 802.11ax (160MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS6, 90pc duty cycle)	WLAN	8.90	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS8, 90pc duty cycle)	WLAN	8.82	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS0, 99pc duty cycle)	WLAN	8.64	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS2, 99pc duty cycle)	WLAN	8.77	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS3, 99pc duty cycle)	WLAN	8.69	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS4, 99pc duty cycle)	WLAN	8.58	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS5, 99pc duty cycle)	WLAN	8.49	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS6, 99pc duty cycle)	WLAN	8.58	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS7, 99pc duty cycle)	WLAN	8.49	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS8, 99pc duty cycle)	WLAN	8.53	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS9, 99pc duty cycle)	WLAN	8.54	± 9.6 %
	AAA	IEEE 802.11ax (160MHz, MCS10, 99pc duty cycle)	WLAN	8.54	± 9.6 %
10766	AAA	IEEE 802.11ax (160MHz, MCS11, 99pc duty cycle)	WLAN	8.51	± 9.6 %

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

Calibration Laboratory of

Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland HAC MEA



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Manuateral Agreement for the recognition of campration cordina

PC Test Client

Certificate No: EX3-7409_Jun19

CALIBRATION CERTIFICATE

Object	EX3DV4 - SN:7409
Calibration procedure(s)	QA CAL-01.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes
Calibration date:	June 19, 2019
This calibration certificate doo	uments 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	03-Apr-19 (No. 217-02892/02893)	Apr-20
Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20
Power sensor NRP-Z91	SN: 103245	03-Apr-19 (No. 217-02893)	Apr-20
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-19 (No. 217-02894)	Apr-20
DAE4	SN: 660	19-Dec-18 (No. DAE4-660_Dec18)	Dec-19
Reference Probe ES3DV2	SN: 3013	31-Dec-18 (No. ES3-3013_Dec18)	Dec-19
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check: Oct-19

	Name	Function	Signature
Calibrated by:	Leif Klysner	Laboratory Technician	Salap
			sig ply-
Approved by:	Katja Pokovic	Technical Manager	EO RL
			100 19
			Issued: June 20, 2019
This calibration certificate	e shall not be reproduced except in fu	Il without written approval of the labo	pratory.

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- Swiss Calibration Service

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Glossary:

tissue simulating liquid
sensitivity in free space
sensitivity in TSL / NORMx,y,z
diode compression point
crest factor (1/duty_cycle) of the RF signal
modulation dependent linearization parameters
φ rotation around probe axis
ϑ 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, ", "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016
- 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, y, z: Assessed for E-field polarization $\vartheta = 0$ (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 E²-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).

Accreditation No.: SCS 0108

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm $(\mu V/(V/m)^2)^A$	0.38	0.33	0.38	± 10.1 %
DCP (mV) ^B	95.8	101.8	100.3	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	135.5	± 3.5 %	±4.7 %
•		Y	0.00	0.00	1.00		129.2		
		Z	0.00	0.00	1.00		130.6		
10352-	Pulse Waveform (200Hz, 10%)	X	1.32	60.00	6.76	10.00	60.0	± 2.3 %	± 9.6 %
AAA		Y	2.29	64.91	9.64		60.0		
		Z	1,81	63.07	9.49		60.0	1	
10353-	Pulse Waveform (200Hz, 20%)	X	0.80	60.00	5.37	6.99	80.0	± 1.9 %	± 9.6 %
AAA		Y	1.45	64.56	8.47		80.0		
		Z	1.57	65.00	8.98		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	0.42	60.00	3.77	3.98	95.0	± 1.3 %	± 9.6 %
AAA		Y	0.88	64.90	7.60		95.0]	
		Z	0.42	60.00	5.26		95.0		
10355- F	Pulse Waveform (200Hz, 60%)	X	0,16	179.15	25.80	2.22	120.0	± 1.4 %	± 9.6 %
AAA		Y	15.00	80.71	11.05		120.0		
		Z	0.26	60.00	3.66	1	120.0		
10387-	QPSK Waveform, 1 MHz	X	0.00	60.00	1.00	0.00	150.0	± 3.7 %	± 9.6 %
AAA		Y	0.42	60.00	5.25	1	150.0]	
		Z	0.44	60.00	5.03		150.0		
10388-	QPSK Waveform, 10 MHz	X	1.68	67.97	15.54	0.00	150.0	± 1.2 %	± 9.6 %
AAA		Y	2.15	69.30	16.63		150.0		
		Z	1.92	66.86	15.11		150.0		
10396-	64-QAM Waveform, 100 kHz	X	1.88	65.71	16.62	3.01	150.0	± 3.3 %	± 9.6 %
AAA		Y	2.51	70.30	18.83		150.0		
		Z	1.94	66.57	18.18]	150.0		
10399-	64-QAM Waveform, 40 MHz	X	3.08	66.90	15.71	0.00	150.0	± 2.7 %	±9.6 %
AAA		Y	3.43	67.58	16.15]	150.0		
		Z	3.31	66.58	15.55		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	4.19	66.11	15.73	0.00	150.0	± 4.7 %	± 9.6 %
AAA		Y	4.64	66.08	15.84		150.0		
		Z	4.60	65.42	15.52	1	150.0	1	

Note: For details on UID parameters see Appendix

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%.

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^A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).

^B Numerical linearization parameter: uncertainty not required.

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

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ⁻²	T2 ms.V ⁻¹	T3 ms	T4 V⁻²	T5 V ¹	Т6
X	15.1	114.89	36.52	2.59	0.12	4.98	0.18	0.16	1.00
- <u>Y</u>	27.6	203.75	34.94	3.93	0.05	4.99	1.59	0.00	1.00
Z	31.2	243.42	38.43	3.81	0.30	5.03	0.00	0.11	1.02

Sensor Model Parameters

Other Probe Parameters

40.5
+0.0
enabled
disabled
337 mm
10 mm
9 mm
2.5 mm
1 mm
1 mm
1 mm
1.4 mm

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	9.96	9.96	9.96	0.50	0.81	± 12.0 %
835	41.5	0.90	9.70	9.70	9.70	0.40	0.94	± 12.0 %
1750	40.1	1.37	8.32	8.32	8.32	0.37	0.85	± 12.0 %
1900	40.0	1.40	8.01	8.01	8.01	0.35	0.85	± 12.0 %
2300	39.5	1.67	7.55	7.55	7.55	0.32	0.90	± 12.0 %
2450	39.2	1.80	7.30	7.30	7.30	0.39	0.90	± 12.0 %
2600	39.0	1.96	7.12	7.12	7.12	0.36	0.90	± 12.0 %
5250	35.9	4.71	5.20	5.20	5.20	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.80	4.80	4.80	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.78	4.78	4.78	0.40	1.80	± 13.1 %

Calibration Parameter Determined in Head Tissue Simulating Media

^c Frequency validity above 300 MHz of ± 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ± 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.
^f At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to

^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) 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 (ϵ and σ) is restricted to \pm 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters. ⁶ Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is

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

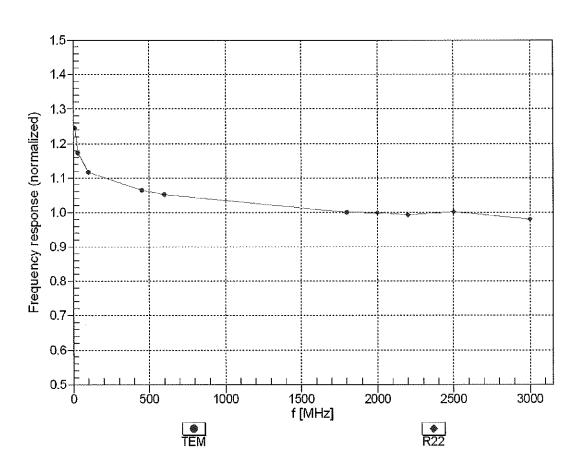
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	9.96	9.96	9.96	0.48	0.80	± 12.0 %
835	55.2	0.97	9.74	9.74	9.74	0.52	0.81	± 12.0 %
1750	53.4	1.49	7.85	7.85	7.85	0.35	0.85	± 12.0 %
1900	53.3	1.52	7.67	7.67	7.67	0.43	0.85	± 12.0 %
2300	52.9	1.81	7.41	7.41	7.41	0.39	0.90	± 12.0 %
2450	52.7	1.95	7.18	7.18	7.18	0.37	0.90	± 12.0 %
2600	52.5	2.16	7.18	7.18	7.18	0.38	0.90	± 12.0 %
5250	48.9	5.36	4.70	4.70	4.70	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.22	4.22	4.22	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.23	4.23	4.23	0.50	1.90	± 13.1 %

Calibration Parameter Determined in Bo	ody Tissue Simulating Media
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^c 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. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to \pm 110 MHz. ^F At frequencies below 3 GHz, the validity of tissue parameters (ϵ and σ) can be relaxed to \pm 10% if liquid compensation formula is applied to

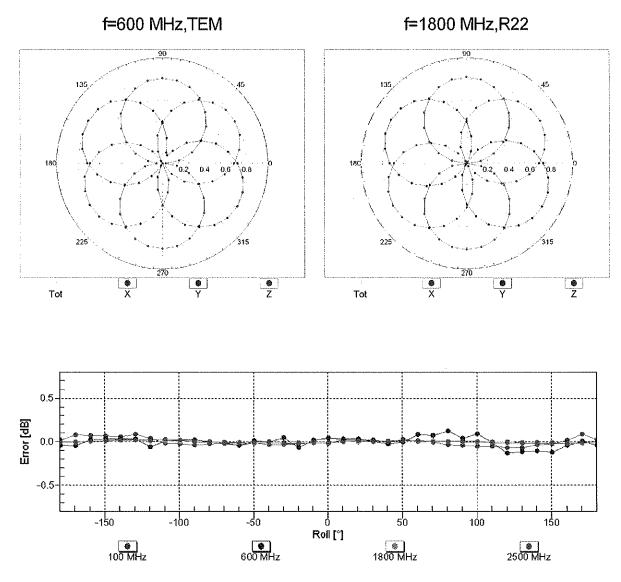
^L At frequencies below 3 GHz, the validity of tissue parameters (ε and σ) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (ε and σ) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty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

the ConvF uncertainty for indicated target tissue parameters. ⁶ 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)

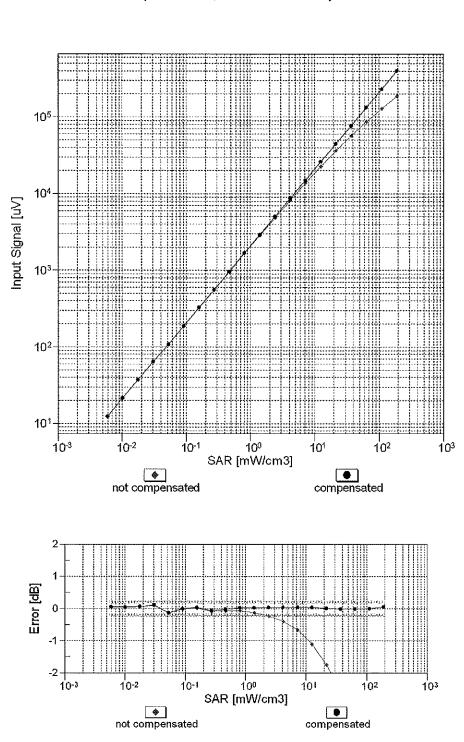
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)



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

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

June 19, 2019



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

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