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

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

Accreditation No.: SCS 0108

Client

PC Test

Certificate No: ES3-3213_Feb17

CALIBRATION CERTIFICATE

Object

ES3DV3 - SN:3213

Calibration procedure(s)

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

3717

Calibration date:

February 10, 2017

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	06-Apr-16 (No. 217-02288/02289)	Apr-17
Power sensor NRP-Z91	SN: 103244	06-Apr-16 (No. 217-02288)	Apr-17
Power sensor NRP-Z91	SN: 103245	06-Apr-16 (No. 217-02289)	Apr-17
Reference 20 dB Attenuator	SN: S5277 (20x)	05-Apr-16 (No. 217-02293)	Apr-17
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18
Network Analyzer HP 8753E SN: US37390585		18-Oct-01 (in house check Oct-16)	In house check: Oct-17

Calibrated by:

Claudio Leubler

Claudio Leubler

Approved by:

Kalja Pokovic

Technical Manager

Issued: February 13, 2017

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

Certificate No: ES3-3213_Feb17

Page 1 of 38

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

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., 9 = 0 is normal to probe axis

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

Calibration is Performed According to the Following Standards:

 a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013

b) IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005

c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010

d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide).
 NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the 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).

Certificate No: ES3-3213_Feb17 Page 2 of 38

Probe ES3DV3

SN:3213

Manufactured: October 14, 2008

Calibrated:

February 10, 2017

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3213

Basic Calibration Parameters

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

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR m∨	Unc ^t (k=2)
0	CW	X	0.0	0.0	1.0	0.00	228.2	±3.5 %
		Y	0.0	0.0	1.0		230.0	
		Z	0.0	0.0	1.0		221.7	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V⁻¹	T1 ms.V ⁻²	T2 ms.V ⁻¹	T3 ms	T4 V ⁻²	T5 V⁻¹	T6
X	56.23	407.2	35.93	28.85	2.251	5.1	1.129	0.439	1.012
Y	55.47	400.7	35.87	28.65	2.277	5.1	1.321	0.386	1.013
Z	51.67	374.7	36	28.45	2.103	5.1	0.358	0.504	1.009

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

^B Numerical linearization parameter: uncertainty not required.

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

ES3DV3-SN:3213

Certificate No: ES3-3213_Feb17

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3213

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	6.85	6.85	6.85	0.80	1.18	± 12.0 %
835	41.5	0.90	6.49	6.49	6.49	0.49	1.52	± 12.0 %
1750	40.1	1.37	5.49	5.49	5.49	0.60	1.35	± 12.0 %
1900	40.0	1.40	5.29	5.29	5,29	0.68	1.27	± 12.0 %
2300	39.5	1.67	4.95	4.95	4.95	0.70	1.28	± 12.0 %
2450	39.2	1.80	4.70	4.70	4.70	0.80	1.24	± 12.0 %
2600	39.0	1.96	4.52	4.52	4.52	0.78	1.28	± 12.0 %

^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 end 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Above 5 GHz frequency validity can be extended to ± 110 MHz.

F At frequencies below 3 GHz, the yelidity of these parameters (a and a local content of the conten

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

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: ES3DV3 - SN:3213

Calibration Parameter Determined in Body Tissue Simulating Media

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

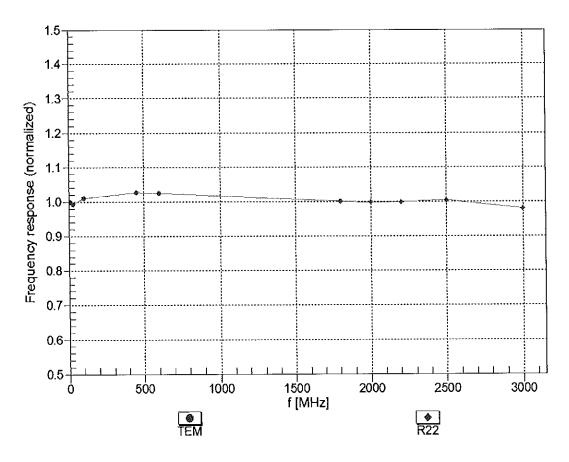
 $^{^{\}rm C}$ Frequency validity above 300 MHz of \pm 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to \pm 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is \pm 10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. 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.

^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.

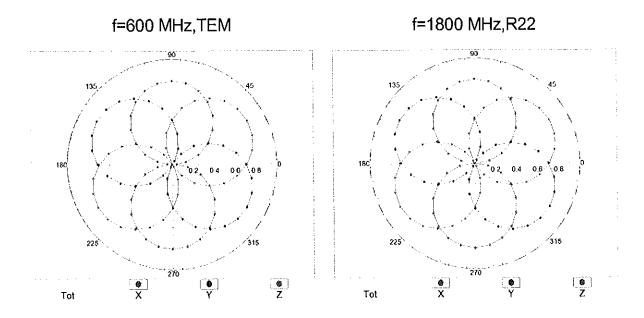
February 10, 2017

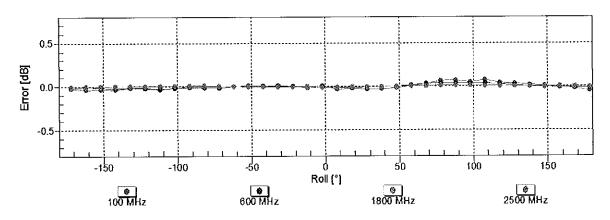
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

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



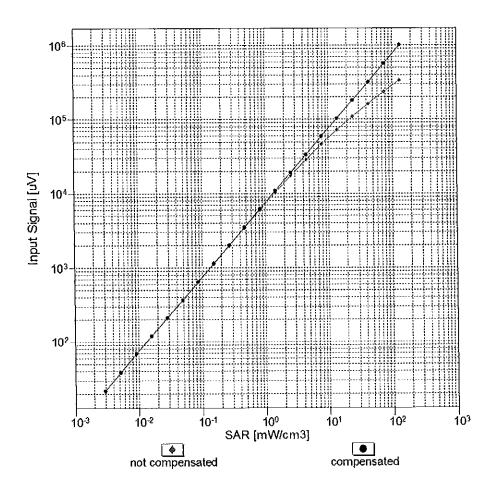


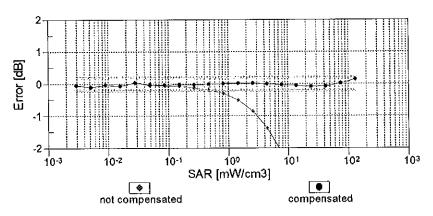
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Certificate No: ES3-3213_Feb17

Dynamic Range f(SAR_{head})

(TEM cell , f_{eval}= 1900 MHz)

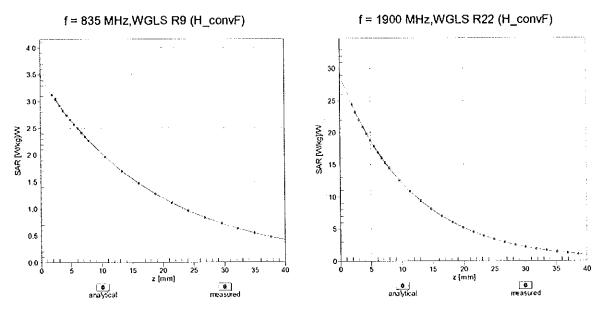




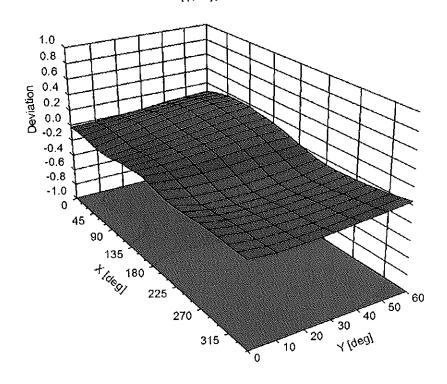
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

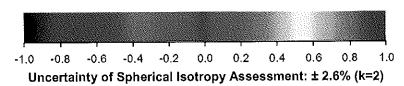
February 10, 2017

Conversion Factor Assessment



Deviation from Isotropy in Liquid Error (ϕ, ϑ) , f = 900 MHz





ES3DV3-SN:3213

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3213

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	98.2
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

ES3DV3-- SN:3213

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Max Unc ^E (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	228.2	± 3.5 %
		Υ	0.00	0.00	1.00		230.0	
		Ζ	0.00	0.00	1.00		221.7	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	Х	11.07	84.26	20.62	10.00	25.0	± 9.6 %
		Y	10.49	83.36	20.27		25.0	
10011	LINETO EDO AMODAMA	Z	11.03	84.22	20.43		25.0	
10011- CAB	UMTS-FDD (WCDMA)	X	1.04	66.65	14.82	0.00	150.0	± 9.6 %
		Υ	1.16	69.13	16.33		150.0	
10010		Z	1.01	66.30	14.54		150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	Х	1.30	64.60	15.49	0.41	150.0	± 9.6 %
		Υ	1.33	65.49	16.22		150.0	
40040		Z	1.28	64.47	15.36		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	Х	5.14	67.15	17.39	1.46	150.0	± 9.6 %
		Y	5.14	67.35	17.57		150.0	
10021-	GSM-FDD (TDMA, GMSK)	Z	5.09 62.94	67.17 114.81	17.37 31.61	9.39	150.0 50.0	± 9.6 %
DAC								
		Y	41.95	107.82	29.66		50.0	
40000	ODDO FDD /TDIM ONOV THO	Z	94.76	121.25	33.03		50.0	- 0 0 0/
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	Х	46.50	109.76	30.33	9.57	50.0	± 9.6 %
		_	33.70	104.15	28.69		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	Z	62.69 100.00	114.46 119.19	31.37 30.75	6.56	50.0 60.0	± 9.6 %
DAC		Υ	100.00	118.97	30.64		60.0	
		Z	100.00	118.83	30.48		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	18.95	107.68	41.29	12.57	50.0	± 9.6 %
<i>D710</i>		Υ	31.91	124.81	47.58		50.0	
		Z	17.05	104.98	40.36		50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	Х	20.29	105.23	36.57	9.56	60.0	± 9.6 %
		Υ	28.92	114.92	39.99		60.0	
		Z	20.11	105.49	36.71		60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	118.17	29.38	4.80	80.0	± 9.6 %
		Υ	100.00	118.12	29.34		80.0	
		Z	100.00	117.81	29.12		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	Х	100.00	118.40	28.68	3.55	100.0	± 9.6 %
		Υ	100.00	118.60	28.76		100.0	
		Z	100.00	118.00	28.41		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	Х	12.78	94.46	31.72	7.80	80.0	± 9.6 %
·		Υ	16.27	100.85	34.22		80.0	.
10030-	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Z X	12.37 100.00	94.11 117.61	31.64 29.45	5.30	80.0 70.0	± 9.6 %
CAA		١.,	400.00	147.50	00.40	<u> </u>	700	
		Y	100.00	117.52	29.40		70.0	1
10031-	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00 100.00	117.17 119.11	29.14 27.47	1.88	70.0	± 9.6 %
CAA		Y	100.00	120.30	27.96	-	100.0	1
	1	ìΙ	100.00	120.00	1 61.00	1	100.0	. l

10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	123.13	28.10	1.17	100.0	± 9.6 %
		Y	100.00	125.86	29.19	 	100.0	
		Z	100.00	121.81	27.46	<u> </u>	100.0	-
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	19.81	99.27	27.58	5.30	70.0	± 9.6 %
		Υ	23.75	102.32	28.48		70.0	
		Z	20.10	99.19	27.31		70.0	
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	6.18	84.61	21.36	1.88	100.0	± 9.6 %
		Y	8.74	90.01	23.19		100.0	
40005		Z	6.07	84.02	20.83	"	100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	3.50	78.04	18.75	1.17	100.0	± 9.6 %
		Y	4.77	82.88	20.59		100.0	
10036-	JEEC 000 45 4 DL 1 4 40 DDOX DLA	Z	3.40	77.42	18.19		100.0	
CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	25.06	103.36	28.83	5.30	70.0	± 9.6 %
		Y	30.48	106.66	29.76		70.0	
40007	IEEE 000 45 4 PL	Z	25.78	103.46	28.61		70.0	
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	5.91	84.02	21.13	1.88	100.0	± 9.6 %
		Y	8.37	89.43	22.97		100.0	
40000	LEEE COO AS A DIVINION OF THE COURSE	Z	5.74	83.28	20.55		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Х	3.58	78.59	19.05	1.17	100.0	± 9.6 %
		Υ	4.93	83.62	20.94		100.0	
40000		Z	3.47	77.94	18.48		100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	Х	1.75	70.49	15.41	0.00	150.0	± 9.6 %
		Y	2.11	73.63	16.88		150.0	
10010		Z	1.63	69.80	14.78		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	Х	100.00	117.99	30.44	7.78	50.0	± 9.6 %
		Υ	100.00	117.70	30.30		50.0	·
		Z	100.00	117.57	30.13		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	Х	0.01	92.86	0.28	0.00	150.0	± 9.6 %
		Υ	0.00	128.30	10.22		150.0	
10010		Z	0.01	91.94	0.27	-	150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	Х	16.43	91.36	26.72	13.80	25.0	± 9.6 %
		Υ	14.26	88.55	25.69		25.0	
10010		Z	18.21	93.36	27.20		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	Х	21.81	96.95	27.09	10.79	40.0	± 9.6 %
		Y	18.36	93.74	25.99		40.0	
40050	LILITO TOP (TO TOP)	Z	24.94	99.20	27.59		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	16.12	92.43	26.40	9.03	50.0	± 9.6 %
		Υ	16.40	92.69	26.46		50.0	
100E0	EDOE EDD /FOLL ODG!	Z	16.84	93.23	26.48		50.0	
10058- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	9.13	87.64	28.49	6.55	100.0	± 9.6 %
		Y	10.85	92.11	30.40		100.0	
10059-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2	_ Z X	8.80 1.45	87.14 66.53	28.33 16.46	0.61	100.0 110.0	± 9.6 %
CAB	Mbps)							2 0.0 /0
		Y	1.51	67.75	17.33		110.0	
10060-	IEEE 802 11h W/Ei 2 4 CU = (D200 F F	Z	1.43	66.36	16.31		110.0	
CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	Х	71.32	126.43	32.69	1.30	110.0	± 9.6 %
		Y	100.00	133.00	34.47		110.0	
		Z	56.46	122.77	31.74		110.0	

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	7.70	91.83	25.70	2.04	110.0	± 9.6 %
		Υ	12.85	101.15	28.77		110.0	
		Z	7.42	91.30	25.47		110.0	
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.86	66.91	16.67	0.49	100.0	±9.6 %
		Y	4.87	67.10	16.85		100.0	1111 21 11111
		Z	4.81	66.91	16.64		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	Х	4.90	67.06	16.81	0.72	100.0	± 9.6 %
		Υ	4.91	67.26	16.99		100.0	
		Z	4.85	67.06	16.78		100.0	
10064- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	Х	5.22	67.40	17.08	0.86	100.0	± 9.6 %
		Υ	5.23	67.59	17.25		100.0	
		Z	5.16	67.38	17.04		100.0	
10065- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	5.12	67.42	17.25	1.21	100.0	± 9.6 %
		Y	5.13	67.61	17.43		100.0	
		Z	5.06	67.40	17.21		100.0	
10066- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	5.18	67.55	17.48	1.46	100.0	± 9.6 %
		Υ	5.19	67.76	17.66		100.0	
		Z	5.11	67.52	17.44		100.0	
10067- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.50	67.74	17.95	2.04	100.0	± 9.6 %
		Y	5.51	67.96	18.15		100.0	
		Z	5.44	67.76	17.93		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.63	68.06	18.32	2.55	100.0	± 9.6 %
		Y	5.64	68.30	18.53		100.0	
		Z	5.56	68.03	18.28		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	Х	5.71	68.03	18.50	2.67	100.0	± 9.6 %
		İΥ	5.72	68.29	18.74		100.0	
		Z	5.64	68.03	18.48		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	Х	5.28	67.38	17.78	1.99	100.0	± 9.6 %
		Y	5.29	67.59	17.97		100.0	
		Z	5.23	67.40	17.76		100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	Х	5.33	67.91	18.09	2.30	100.0	± 9.6 %
		Y	5.34	68.14	18.30		100.0	
		Z	5.28	67.91	18.07		100.0	
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	5.46	68.24	18.51	2.83	100.0	± 9.6 %
		Υ	5.48	68.51	18.74		100.0	
		Z	5.40	68.25	18.50		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	Х	5.49	68.30	18.76	3.30	100.0	± 9.6 %
		Y	5.51	68.58	19.00		100.0	
		Z	5.44	68.31	18.74		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.63	68.74	19.25	3.82	90.0	± 9.6 %
		Y	5.66	69.06	19.51		90.0	
		Z	5.57	68.71	19.21		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	Х	5.64	68.56	19.38	4.15	90.0	± 9.6 %
		Y	5.68	68.89	19.66		90.0	
		Z	5.60	68.57	19.36	1	90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.68	68.64	19.49	4.30	90.0	± 9.6 %
	, (ļ		+	1		
- Ο/ (D		Y	5.71	68.99	19.77		90.0	Į.

10081- CAB	CDMA2000 (1xRTT, RC3)	X	0.88	65.55	12.70	0.00	150.0	± 9.6 %
		Y	1.01	67.94	14.05	 	150.0	
		Z	0.82	64.98	12.07	 	150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	Х	2.05	63.91	8.77	4.77	80.0	± 9.6 %
		Y	2.06	64.02	8.81		80.0	
10000		Z	1.95	63.58	8.48		80.0	-
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	119.26	30.80	6.56	60.0	± 9.6 %
		Y	100.00	119.04	30.70		60.0	
10097-	UMTS-FDD (HSDPA)	Z	100.00	118.90	30.53		60.0	
CAB	OWIS-FDD (HSDPA)	X	1.83	67.01	15.38	0.00	150.0	± 9.6 %
		Y	1.91	68.15	16.11		150.0	
10098-	UMTS-FDD (HSUPA, Subtest 2)	Z	1.80	66.92	15.21		150.0	<u> </u>
CAB	OM13-1 DD (1130PA, Sublest 2)		1.79	66.97	15.34	0.00	150.0	± 9.6 %
		Y Z	1.88	68.14	16.10		150.0	
10099-	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	1.76 20.23	66.87	15.18		150.0	
DAC		Y		105.10	36.53	9.56	60.0	± 9.6 %
		Y Z	28.70	114.68	39.91		60.0	
10100-	LTE-FDD (SC-FDMA, 100% RB, 20	$\frac{1}{X}$	20.06 3.16	105.38	36.67	0.00	60.0	
CAC	MHz, QPSK)	^ Y		69.99	16.45	0.00	150.0	± 9.6 %
			3.31	71.03	17.06		150.0	
10101-	LTE-FDD (SC-FDMA, 100% RB, 20	Z	3.09	69.73	16.33		150.0	
CAC	MHz, 16-QAM)		3.32	67.51	15.87	0.00	150.0	± 9.6 %
- ·		Y	3.38	68.00	16.23		150.0	
10102-	LTE-FDD (SC-FDMA, 100% RB, 20	Z	3.27	67.36	15.78		150.0	
CAC	MHz, 64-QAM)	X	3.43	67.46	15.96	0.00	150.0	± 9.6 %
		Y	3.47	67.89	16.28		150.0	
10103-	LTE-TDD (SC-FDMA, 100% RB, 20	Z	3.37	67.33	15.88	<u> </u>	150.0	
CAC	MHz, QPSK)	Х	8.65	78.54	21.48	3.98	65.0	± 9.6 %
		Y	8.85	79.12	21.77		65.0	
10104-	LTE-TDD (SC-FDMA, 100% RB, 20	Z	8.48	78.45	21.46		65.0	
CAC	MHz, 16-QAM)	Х	8.46	76.91	21.67	3.98	65.0	± 9.6 %
 .		Y	8.66	77.60	22.06	·	65.0	
10105-	LTE-TDD (SC-FDMA, 100% RB, 20	Z	8.34	76.89	21.66		65.0	
CAC	MHz, 64-QAM)	X	7.58	74.70	20.99	3.98	65.0	± 9.6 %
 -		Y	7.79	75.45	21.40		65.0	
10108-	LTE-FDD (SC-FDMA, 100% RB, 10	Z	7.31	74.25	20.79		65.0	
CAD	MHz, QPSK)	X	2.79	69.24	16.28	0.00	150.0	± 9.6 %
		Y	2.91	70.28	16.91		150.0	
10109-	LTE-FDD (SC-FDMA, 100% RB, 10	Z	2.71	69.00	16.16		150.0	
CAD	MHz, 16-QAM)	X	2.98	67.28	15.76	0.00	150.0	± 9.6 %
		Y	3.03	67.83	16.15		150.0	
10110-	LTE-FDD (SC-FDMA, 100% RB, 5 MHz,	Z	2.92	67.15	15.65		150.0	
CAD	QPSK) QPSK)	X	2.28	68.31	15.91	0.00	150.0	± 9.6 %
		Y	2.39	69.47	16.63		150.0	
10111-	LITE-EDD (SC EDMA 4000/ PD 514)	Z	2.21	68.09	15.75		150.0	
CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	Х	2.66	67.75	15.94	0.00	150.0	± 9.6 %
		Y	2.72	68.40	16.37		150.0	
	<u></u>	Z	2.60	67.66	15.80		150.0	

10112- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Х	3.11	67.26	15.82	0.00	150.0	± 9.6 %
UND	mile, ottochini	Y	3.15	67.75	16.17		150.0	
		Z	3.05	67.15	15.72		150.0	
10113- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	2.82	67.88	16.07	0.00	150.0	± 9.6 %
UAD	04-QAIVI)	Y	2.87	68.46	16.46		150.0	
							150.0	
40444	1555 000 44 - (UT O6-14 40 5	Z	2.76	67.81	15.94	0.00		1001
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	Х	5.24	67.28	16.46	0.00	150.0	± 9.6 %
		Υ	5.25	67.46	16.63		150.0	
		Z	5.20	67.29	16.46		150.0	
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	Х	5.61	67.64	16.65	0.00	150.0	± 9.6 %
		Y	5.61	67.79	16.81		150.0	
		Z	5.52	67.52	16.58		150.0	
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	Х	5.36	67.55	16.52	0.00	150.0	± 9.6 %
		Υ	5.37	67.74	16.69		150.0	
		Z	5.32	67.53	16.51		150.0	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.22	67.23	16.45	0.00	150.0	± 9.6 %
OND	DI ON	Υ	5.23	67.39	16.61		150.0	
		Z	5.17	67.16	16.41		150.0	
10118-	IEEE 802.11n (HT Mixed, 81 Mbps, 16-	X	5.69	67.85	16.77	0.00	150.0	± 9.6 %
CAB	QAM)		E 70	60.00	16.93		150.0	
		Y	5.70	68.02			150.0	
	LEEE COO 44 (UZAL) LAGELU CA	Z	5.63	67.79	16.73	0.00		10000
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.34	67.49	16.51	0.00	150.0	± 9.6 %
		Υ	5.35	67.67	16.67		150.0	
		Z	5.29	67.47	16.49		150.0	
10140- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.47	67.47	15.89	0.00	150.0	± 9.6 %
		Y	3.51	67.91	16.21		150.0	
		Z	3.41	67.34	15.80		150.0	
10141- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.59	67.54	16.05	0.00	150.0	± 9.6 %
0,10		Y	3.63	67.94	16.35		150.0	
		Z	3.53	67.43	15.97		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.05	68.16	15.60	0.00	150.0	± 9.6 %
J, 10	<u> </u>	Y	2.17	69.48	16.39	 	150.0	1
		Ż	1.97	67.92	15.36		150.0	
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.51	68.28	15.68	0.00	150.0	± 9.6 %
טאט	10 S0 MH)	Y	2.59	69.11	16.17		150.0	1
		Ż	2.43	68.15	15.43		150.0	
10144-	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.35	66.54	14.37	0.00	150.0	± 9.6 %
CAD	טיד-ערוויון	Y	2,42	67.28	14.84	 	150.0	1
		Z	2.27	66.32	14.07		150.0	
10145	LTE-FDD (SC-FDMA, 100% RB, 1.4	X	1.37	65.72	12.66	0.00	150.0	± 9.6 %
10145- CAD	MHz, QPSK)	Ì				0.00	150.0	- 5.5 /0
		Y	1.46	66.99	13.37		150.0	
10146-	LTE-FDD (SC-FDMA, 100% RB, 1.4	Z	1.25 3.11	64.89 71.69	11.82 15.06	0.00	150.0	± 9.6 %
CAD	MHz, 16-QAM)	1		7	40.40	1	450.0	
		Y	3.87	74.93	16.48	ļ	150.0	 -
		Z	2.20	67.57	12.72	1000	150.0	1000
10147- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.99	75.14	16.65	0.00	150.0	± 9.6 %
		Y	5.26	79.21	18.27		150.0	ļ
		Z	2.59	69.69	13.85		150.0	

10149- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.99	67.34	15.80	0.00	150.0	± 9.6 %
		Y	3.04	67.88	16.19	\vdash	150.0	+
		Z	2.93	67.20	15.70		150.0	
10150- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	3.11	67.30	15.85	0.00	150.0	± 9.6 %
		Υ	3.16	67.79	16.21	\vdash	150.0	
		Z	3.05	67.19	15.76	 	150.0	
10151- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.14	80.78	22.44	3.98	65.0	± 9.6 %
		Y	9.49	81.66	22.85	 	65.0	
		Z	9.14	81.08	22.55	ļ — · —	65.0	
10152- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	Х	8.08	77.12	21.52	3.98	65.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Υ	8.33	77.95	21.96		65.0	
40450		Z	7.95	77.09	21.46		65.0	
10153- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	8.46	77.89	22.17	3.98	65.0	± 9.6 %
	·	Υ	8.68	78.63	22.56		65.0	
		Z	8.36	77.94	22.15	 	65.0	
10154- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	2.33	68.67	16.15	0.00	150.0	± 9.6 %
·		Υ	2.44	69.83	16.86		150.0	
		Z	2.25	68.43	15.98		150.0	
10155- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.66	67.76	15.95	0.00	150.0	± 9.6 %
		Y	2.72	68.41	16.38	-	150.0	
		Z	2.60	67.68	15.82		150.0	
10156- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.90	68.21	15.44	0.00	150.0	± 9.6 %
		Y	2.03	69.70	16.30		150.0	
		Z	1.81	67.89	15.12		150.0	
10157- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	Х	2.18	67.00	14.41	0.00	150.0	± 9.6 %
		Ÿ	2.26	67.93	14.96	·	150.0	
		Z	2.09	66.73	14.04		150.0	
10158- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	Х	2.82	67.92	16.11	0.00	150.0	± 9.6 %
<u>_</u>		Υ	2.87	68.51	16.50		150.0	
		Z	2.76	67.86	15.98		150.0	
10159- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	2.28	67.39	14.67	0.00	150.0	± 9.6 %
		Y	2.36	68.28	15.19	· · · · · · · · · · · · · · · · · · ·	150.0	
		Z	2.18	67.11	14.29		150.0	
10160- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	Х	2.82	68.45	16.16	0.00	150.0	± 9.6 %
		Υ	2.91	69.30	16.70		150.0	
1015:		Ζ	2.76	68.35	16.07		150.0	
10161- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.01	67.20	15.78	0.00	150.0	± 9.6 %
		Υ	3.05	67.71	16.14		150.0	
10105		Z	2.95	67.10	15.68		150.0	
10162- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	Х	3.11	67.31	15.88	0.00	150.0	± 9.6 %
		Y	3.16	67.80	16.23		150.0	
40400		Ζ	3.06	67.24	15.78		150.0	
10166- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	3.96	70.63	19.76	3.01	150.0	± 9.6 %
		Υ	4.08	71.58	20.41		150.0	
4040**	LTE FDD (66	Z	3.69	69.63	19.19		150.0	
10167- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	Х	5.16	74.36	20.54	3.01	150.0	± 9.6 %
		Υ	5.47	75.92	21.41		150.0	
		Z	4.54	72.52	19.67			

10168- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	Х	5.71	76.55	21.79	3.01	150.0	± 9.6 %
		Υ	6.04	78.08	22.60		150.0	
		Z	4.98	74.53	20.87		150.0	
10169- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	Х	3.56	71.66	20.23	3.01	150.0	± 9.6 %
		Y	3.72	73,10	21.16		150.0	
		Z	3.12	69.36	19.09		150.0	
10170- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	5.50	79.49	23.11	3.01	150.0	± 9.6 %
	1	Υ	6.14	82.25	24.43		150.0	l
		Z	4.23	74.96	21.26		150.0	
10171-	LTE-FDD (SC-FDMA, 1 RB, 20 MHz,	X	4.39	74.63	20.21	3.01	150.0	± 9.6 %
AAC	64-QAM)	Y	4.87	77.16	21.52		150.0	
		ż	3.55	71.26	18.74		150.0	
10172- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	36.90	115.61	35.71	6.02	65.0	± 9.6 %
ONO	QI OIV	Υ	89.16	134.58	40.97		65.0	
		Z	21.04	105.02	32.65		65.0	
10173-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz,	$\frac{2}{x}$	54.93	117.26	34.23	6.02	65.0	± 9.6 %
CAC	16-QAM)	Y	100.00	128.92	37.35	0.02	65.0	2 5.0 70
		· • • • • • • • • • • • • • • • • • • •					65.0	-
10171	LTE TOD (OO FDIA 4 DD OO MILE	Z	30.85	107.44	31.57	0.00		1000
10174- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	Х	39.60	109.76	31.68	6.02	65.0	± 9.6 %
		Y	70.95	120.74	34.73		65.0	
		Z	23.48	101.22	29.25		65.0	
10175- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	3.51	71.32	19.98	3.01	150.0	± 9.6 %
		Υ	3.68	72.77	20.92		150.0	
		Z	3.08	69.09	18.87		150.0	
10176- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	Х	5.51	79.52	23.12	3.01	150.0	± 9.6 %
		Y	6.15	82.28	24.44		150.0	1
*****		Z	4.23	74.98	21.27		150.0	
10177- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.54	71.49	20.08	3.01	150.0	± 9.6 %
		Y	3.71	72.93	21.01		150.0	
		Z	3.11	69.22	18.95		150.0	
10178- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	Х	5.43	79.21	22.98	3.01	150.0	± 9.6 %
		Y	6.06	81.97	24.30	1	150.0	
		T Z	4.19	74.78	21.16	1	150.0	
10179- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	4.90	76.90	21.51	3.01	150.0	± 9.6 %
J, ,		Y	5.47	79.59	22.84		150.0	
		Ż	3.86	73.02	19.88		150.0	
10180- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	4.38	74.54	20.15	3.01	150.0	± 9.6 %
		Y	4.86	77.07	21.46		150.0	
		T Z	3.54	71.20	18.69		150.0	
10181- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.54	71.47	20.07	3.01	150.0	± 9.6 %
U/ (U		Y	3.70	72.91	21.00		150.0	
		Z	3.10	69.21	18.95		150.0	
10182- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	5.42	79.19	22.97	3.01	150.0	± 9.6 %
J/ 10	10 30 Mil)	İΥ	6.05	81.94	24.29		150.0	
		† ż	4.19	74.76	21.15		150.0	
10183-	LTE-FDD (SC-FDMA, 1 RB, 15 MHz,	X	4.37	74.51	20.14	3.01	150.0	± 9.6 %
			1	1	1	1		1
10183- AAB	64-QAM)	Y	4.85	77.04	21.45		150.0	

10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.55	71.52	20.09	3.01	150.0	± 9.6 %
<u> </u>		Y	3.72	72.96	21.02	+-	150.0	-
		Z	3.11	69.25	18.97	+-	150.0	
10185- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	Х	5.45	79.27	23.00	3.01	150.0	± 9.6 %
		Y	6.09	82.03	24.33		150.0	
10100		Z	4.20	74.82	21.19		150.0	<u> </u>
10186- AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	Х	4.39	74.59	20.17	3.01	150.0	± 9.6 %
·		Υ	4.88	77.13	21.49		150.0	
10187-	LTE EDD (OO EDINA 4 DD 4 4 11)	Z	3.55	71.24	18.71		150.0	
CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.56	71.57	20.15	3.01	150.0	± 9.6 %
		Y	3.73	73.01	21.08		150.0	
10188-	LTE COD (CC CDMA 4 DD 4 4 LUI	Z	3.12	69.30	19.03		150.0	
CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	5.67	80.08	23.42	3.01	150.0	± 9.6 %
		Υ	6.33	82.86	24.73		150.0	
10189-	LTE CDD (00 EDVA (==)	Z	4.33	75.42	21.53		150.0	
AAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.51	75.09	20.47	3.01	150.0	± 9.6 %
	 	Y	5.01	77.67	21.79		150.0	
10193-	IEEE 000 44 . (UT C	Z	3.62	71.63	18.97		150.0	
CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.64	66.65	16.17	0.00	150.0	± 9.6 %
		Υ	4.65	66.84	16.35		150.0	
40404	ISSE OF ALL THE	Z	4.59	66.64	16.13		150.0	
10194- CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	Х	4.82	67.00	16.30	0.00	150.0	± 9.6 %
		Y .	4.83	67.19	16.48		150.0	
		Z	4.76	66.96	16.26		150.0	l ———
10195- CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	Х	4.87	67.02	16.31	0.00	150.0	± 9.6 %
		Υ	4.87	67.22	16.49		150.0	
		Z	4.81	67.00	16.28		150.0	
10196- CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	Х	4.65	66.74	16.20	0.00	150.0	± 9.6 %
		Υ	4.66	66.93	16.38		150.0	
40100		Z	4.59	66.71	16.15		150.0	
10197- CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	4.84	67.02	16.31	0.00	150.0	± 9.6 %
		Y	4.85	67.22	16.49		150.0	
40400	IEEE OOO 44 CITY	Ζ	4.78	66.99	16.27		150.0	
10198- CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	_X	4.87	67.04	16.32	0.00	150.0	± 9.6 %
		Υ	4.88	67.24	16.50		150.0	
40040	1555 000 44 4450 5	_Z_	4.81	67.01	16.29		150.0	
10219- CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.60	66.74	16.16	0.00	150.0	± 9.6 %
		Υ	4.61	66.94	16.34	 _	150.0	
40000	IEEE OOO AA WARRANGE	Z	4.54	66.71	16.11		150.0	
10220- CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	Х	4.84	67.00	16.31	0.00	150.0	± 9.6 %
		Y	4.84	67.20	16.48		150.0	
40004	International Control of the Control	Z	4.77	66.96	16.26	- · · · · · · · · · · · · · · · · · · ·	150.0	
10221- CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	Х	4.88	66.97	16.31	0.00	150.0	± 9.6 %
		Υ	4.89	67.16	16.49		150.0	··
10000		Z	4.82	66.95	16.28		150.0	
10222- CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	Х	5.20	67.24	16.45	0.00	150.0	± 9.6 %
JAB						- 1	F	
	<u></u>	Y	5.21	67.41	16.61		150.0	

ES3DV3-SN:3213

10223- CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	Х	5.54	67.51	16.61	0.00	150.0	± 9.6 %
		Y	5.54	67.65	16.76		150.0	
		Z	5.46	67.41	16.55		150.0	
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.24	67.33	16.42	0.00	150.0	± 9.6 %
		Υ	5.25	67.50	16.58		150.0	
		Z	5.19	67.27	16.38		150.0	
10225- CAB	UMTS-FDD (HSPA+)	Х	2.89	66.01	15.34	0.00	150.0	± 9.6 %
		Υ	2.91	66.41	15.64		150.0	
		Ζ	2.83	65.96	15.20		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	60.00	119.05	34.79	6.02	65.0	± 9.6 %
		Υ	100.00	129.10	37.47		65.0	
		Z	33.08	108.86	32.05		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	Х	44.36	111.89	32.33	6.02	65.0	± 9.6 %
		Υ	77.77	122.52	35.25		65.0	
		Z	27.85	104.26	30.19		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	40.71	118.07	36.50	6.02	65.0	± 9.6 %
		Υ	92.59	135.95	41.44		65.0	
		Z	26.22	109.78	34.13		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	Х	54.96	117.26	34.24	6.02	65.0	± 9.6 %
		Y	100.00	128.91	37.35		65.0	
		Z	30.93	107.47	31.58		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	Х	41.37	110.53	31.89	6.02	65.0	± 9.6 %
		Y	71.92	120.98	34.79		65.0	
		Z	26.25	103.12	29.80		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	37.97	116.54	36.00	6.02	65.0	± 9.6 %
		Υ	84.76	133.97	40.88		65.0	
		Z	24.71	108.49	33.69		65.0	
10232- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	54.99	117.28	34.24	6.02	65.0	± 9.6 %
	,	Y	100.00	128.92	37.35		65.0	
		Z	30.92	107.48	31.58		65.0	
10233- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	Х	41.40	110.55	31.90	6.02	65.0	± 9.6 %
		Y	72.14	121.04	34.81		65.0	
		Z	26.24	103.13	29.80		65.0	
10234- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	35.49	114.97	35.47	6.02	65.0	± 9.6 %
		Υ	77.34	131.82	40.23		65.0	
		Z	23.39	107.20	33.21		65.0	
10235- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	Х	55.28	117.39	34.27	6.02	65.0	± 9.6 %
		Y	100.00	128.93	37.36		65.0	
		Z	31.03	107.56	31.61		65.0	
10236- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	41.91	110.74	31.95	6.02	65.0	± 9.6 %
		Y	73.33	121.30	34.87		65.0	
		Z	26.52	103.28	29.84		65.0	
10237- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	38.41	116.80	36.08	6.02	65.0	± 9.6 %
		Y	86.80	134.49	41.01	ļ	65.0	1
		Z	24.91	108.68	33.74		65.0	
10238- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	55.05	117.31	34.25	6.02	65.0	± 9.6 %
		Y	100.00	128.93	37.35		65.0	
		Z	30.91	107.49	31.58		65.0	

10239- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	41.42	110.58	31.91	6.02	65.0	± 9.6 %
		Y	72.33	121.11	34.83	† —	65.0	-
		Z	26.22	103.13	29.80		65.0	
10240- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	Х	38.25	116.72	36.05	6.02	65.0	± 9.6 %
		Υ	86.28	134.37	40.98	†	65.0	
		Z	24.82	108.62	33.73		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	12.92	88.42	28.30	6.98	65.0	± 9.6 %
		Y	14.47	91.50	29.64	 	65.0	
		Z	11.71	86.68	27.54	 	65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	Х	12.30	87.28	27.78	6.98	65.0	± 9.6 %
		Υ	13.91	90.55	29.21		65.0	1 -
		Z	10.78	84.84	26.74		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	9.57	83.58	27.27	6.98	65.0	± 9.6 %
		Υ	10.70	86.76	28.80		65.0	
400::		Z	8.63	81.57	26.33	ļ	65.0	
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	9.97	81.73	21.53	3.98	65.0	± 9.6 %
		Υ	10.43	82.64	21.91		65.0	1
40045		Z	8.76	79.58	20.36		65.0	†··
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	9.75	81.12	21.26	3.98	65.0	± 9.6 %
		Y	10.17	81.97	21.61		65.0	<u> </u>
10010		Z	8.56	78.97	20.07		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	9.14	83.08	21.95	3.98	65.0	± 9.6 %
		Υ	9.72	84.22	22.38		65.0	
		Z	8.89	82.67	21.56		65.0	ļ
10247- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	7.53	77.68	20.47	3.98	65.0	± 9.6 %
		Υ	7.73	78.28	20.74		65.0	
		Z	7.33	77.37	20.13		65.0	
10248- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	7.50	77.17	20.25	3.98	65.0	± 9.6 %
		Υ	7.71	77.80	20.54		65.0	
		Z	7.27	76.81	19.89		65.0	
10249- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	Х	10.17	85.08	23.35	3.98	65.0	± 9.6 %
·		Υ	10.94	86.52	23.90		65.0	
·		Z	10.18	85.27	23.26		65.0	
10250- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	8.40	79.60	22.53	3.98	65.0	± 9.6 %
		Υ	8.67	80.38	22.90		65.0	
40054		Z	8.32	79.67	22.46		65.0	
10251- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	Х	7.96	77.51	21.40	3.98	65.0	± 9.6 %
		Υ	8.23	78.35	21.83		65.0	
40050	LITE TO GO	Z	7.84	77.49	21.29		65.0	
10252- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	9.91	84.03	23.67	3.98	65.0	± 9.6 %
		Y	10.54	85.36	24.22		65.0	
40050		Z	9.99	84.47	23.78		65.0	
10253- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	Х	7.87	76.54	21.30	3.98	65.0	± 9.6 %
		Υ	8.11	77.33	21.72		65.0	
40054		Z	7.77	76.53	21.24		65.0	
10254- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.25	77.30	21.90	3.98	65.0	± 9.6 %
		Y	8.47	78.02	22.29		65.0	

10255-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	Х	8.82	80.37	22.51	3.98	65.0	± 9.6 %
CAC	QPSK)	Y	9.18	81.32	22.95		65.0	
		Z	8.82	80.67	22.60		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	8.67	79.06	19.69	3.98	65.0	± 9.6 %
		Y	9.00	79.76	19.98		65.0	
		Z	7.35	76.40	18.22		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	Х	8.39	78.18	19.27	3.98	65.0	± 9.6 %
		Y	8.67	78.82	19.53		65.0	
		Z	7.11	75.57	17.80		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	Х	7.67	79.80	20.11	3.98	65.0	±9.6%
		Y	7.97	80.50	20.36		65.0	
40050		Z	7.13	78.64	19.35	0.00	65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	7.87	78.36	21.19	3.98	65.0	± 9.6 %
		Y	8.11	79.04	21.50		65.0	
40000	LITE TOD (OO EDIM 4000) DO ON!!	Z	7.72	78.21	20.96	0.00	65.0	1000
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	7.88	78.07	21.09	3.98	65.0	± 9.6 %
		Y	8.10	78.72	21.39		65.0	
10001	1 TE TEE (00 FEMA (000) FE 0 144	Z	7.71	77.89	20.85	2.00	65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	9.63	83.94	23.25	3.98	65.0	± 9.6 %
		Y	10.30	85.33	23.81		65.0	
10000		Z	9.64	84.17	23.22		65.0	
10262- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.39	79.56	22.49	3.98	65.0	± 9.6 %
		Y	8.66	80.34	22.86		65.0	
10263-	LTE-TDD (SC-FDMA, 100% RB, 5 MHz,	X	8.31 7.95	79.62 77.50	22.42 21.40	3.98	65.0 65.0	± 9.6 %
CAC	64-QAM)	 		1	04.00		05.0	
		Y	8.22	78.34	21.82		65.0	ļ
	1 1 (0.0 1 1 1 1 1 1 1 1 1	Z	7.83	77.47	21.29	0.00	65.0	10000
10264- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	9.83	83.88	23.59	3.98	65.0	± 9.6 %
		Y	10.46	85.22	24.15		65.0	
		Z	9.91	84.30	23.70	0.00	65.0	
10265- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	8.08	77.12	21.52	3.98	65.0	± 9.6 %
		Y	8.33	77.96	21.96	ļ <u> </u>	65.0	
		Z	7.95	77.09	21.47	0.00	65.0	1.0.0.0
10266- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	8.45	77.88	22.16	3.98	65.0	± 9.6 %
		Y	8.68	78.62	22.55	 	65.0	
10267-	LTE-TDD (SC-FDMA, 100% RB, 10	X	8.36 9.12	77.93 80.75	22.14	3.98	65.0 65.0	± 9.6 %
CAC	MHz, QPSK)	Y	9.47	81.62	22.84	 	65.0	<u> </u>
		Z	9.47	81.04	22.54		65.0	1 -
10268-	LTE-TDD (SC-FDMA, 100% RB, 15	X	8.54	76.63	21.68	3.98	65.0	± 9.6 %
CAC	MHz, 16-QAM)	^ Y	8.73	77.26	22.04	- 0.00	65.0	
		Z	8.44	76.63	21.67	 	65.0	
10269- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	8.47	76.21	21.58	3.98	65.0	± 9.6 %
UAU	HH IL, UT-WAITH)	Y	8.64	76.83	21.94	<u> </u>	65.0	
		Z	8.37	76.22	21.56		65.0	
10270-	LTE-TDD (SC-FDMA, 100% RB, 15	X	8.62	78.00	21.50	3.98	65.0	± 9.6 %
CAC	MHz, QPSK)	1,,	0.04	70.50	04.00	<u> </u>	65.0	
		Y	8.81	78.56	21.80	 	65.0	1
		Z	8.57	78.16	21.57	1	65.0	

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.63	66.22	15.16	0.00	150.0	± 9.6 %
		Υ	2.68	66.76	15.56		150.0	<u> </u>
10075		Z	2.60	66.20	15.05		150.0	-
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.63	67.34	15.24	0.00	150.0	± 9.6 %
		Υ	1.75	68.91	16.21		150.0	
40075		Z	1.59	67.10	15.04		150.0	
10277- CAA	PHS (QPSK)	Х	5.23	69.17	13.58	9.03	50.0	± 9.6 %
<u> </u>		Υ	5.23	69.14	13.54		50.0	
40070		Z	4.94	68.42	12.95		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	9.44	80.92	21.03	9.03	50.0	± 9.6 %
·		Y	9.27	80.52	20.82		50.0	1
10070		Z	8.80	79.60	20.21		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	Х	9.60	81.11	21.12	9.03	50.0	± 9.6 %
		Υ	9.45	80.75	20.93		50.0	
10200	ODMAGGG BOA SSEE THE	Z	8.93	79.76	20.30		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	X	1.49	68.14	14.07	0.00	150.0	± 9.6 %
		Υ	<u> 1.71</u>	70.53	15.29		150.0	
40004	ODILLOSO DOS S	Z	1.38	67.47	13.43		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	Х	0.87	65.35	12.59	0.00	150.0	± 9.6 %
		Υ	0.98	67.67	13.90		150.0	· · · · · · · · · · · · · · · · · · ·
10000		Z	0.81	64.81	11.96		150.0	i ———
10292- AAB	CDMA2000, RC3, SO32, Full Rate	Х	1.01	68.28	14.43	0.00	150.0	± 9.6 %
		Y	1.28	72.37	16.47		150.0	-
		Ζ	0.94	67.61	13.77		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	1.31	72.09	16.62	0.00	150.0	± 9.6 %
		Y	1.86	78.07	19.28		150.0	
		Z	1.24	71.48	16.00	t —	150.0	<u> </u>
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	Х	11.68	86.43	25.21	9.03	50.0	± 9.6 %
		Y	12.34	87.51	25.61		50.0	
		Z	12.30	87.31	25.27	·	50.0	
10297- AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.80	69.32	16.34	0.00	150.0	±9.6 %
		Y	2.92	70.37	16.97		150.0	
		Z	2.72	69.08	16.22		150.0	· .
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	1.65	67.43	14.29	0.00	150.0	± 9.6 %
		Y	1.78	69.00	15.16		150.0	
		Z	1.54	66.87	13.72		150.0	
10299- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	3.71	73.80	16.79	0.00	150.0	± 9.6 %
		Υ	4.50	76.98	18.19		150.0	
400		Z	2.80	70.24	14.88		150.0	
10300- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	2.66	68.22	13.61	0.00	150.0	± 9.6 %
		Υ	2.97	70.07	14.57		150.0	
40004		Z	2.16	65.95	12.13		150.0	
10301- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	5.56	67.67	18.53	4.17	80.0	± 9.6 %
-		Υ	5.78	68.72	19.18	·	80.0	
1000-		Z	5.51	67.68	18.44		80.0	
10302- NAA	IEEE 802.16e WIMAX (29:18, 5ms,	X	6.08	68.43	19.36	4.96	80.0	± 9.6 %
AAA	10MHz, QPSK, PUSC, 3 CTRL symbols)					Î		
	10MHz, QPSK, PUSC, 3 CTRL symbols)	Y Z	6.31	69.64	20.14		80.0	

10303- AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	5.91	68.44	19.38	4.96	80.0	± 9.6 %
		Υ	6.17	69.77	20.23		80.0	
		Z	5.83	68.37	19.25		80.0	
10304- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	5.57	67.76	18.57	4.17	80.0	± 9.6 %
		Y	5.77	68.85	19.27		80.0	
		Z	5.49	67.73	18.47		80.0	
10305- AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	Х	7.72	78.82	24.99	6.02	50.0	± 9.6 %
		Υ	9.80	85.05	27.90		50.0	
		Z	7.68	78.78	24.73		50.0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	Х	6.19	70.81	21.17	6.02	50.0	± 9.6 %
		Y	6.78	73.45	22,69		50.0	
10007	LEEE 000 40 10"NAV (00 40 40	Z	6.09	70.68	20.96	0.00	50.0	1008
10307- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	Х	6.23	71.39	21.28	6.02	50.0	± 9.6 %
		Y	6.93	74.34	22.91		50.0	
10000	VEEE 000 40 MINAN (00 10 10	Z	6.66	74.17	22.78	0.00	50.0	. 0.0 04
10308- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	6.84	74.87	23.29	6.02	50.0	± 9.6 %
		Y	7.04	74.94	23.20		50.0	
10000		Z	6.77	74.83	23.10	2.55	50.0	. 0 0 01
10309- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	6.29	71.13	21.36	6.02	50.0	± 9.6 %
		Y	6.92	73.87	22.92		50.0	
40040	1555 000 40 1481414 400 40 40	Z	6.18	70.98	21.13	0.00	50.0	. 0 0 0/
10310- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	6.19	71.01	21.18	6.02	50.0	± 9.6 %
		Y	6.82	73.78	22.75		50.0	
		Z	6.55	73.55	22.58		50.0	
10311- AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	Х	3.15	68.64	16.01	0.00	150.0	± 9.6 %
		Y	3.28	69.57	16.56		150.0	
		Z	3.07	68.40	15.89		150.0	
10313- AAA	iDEN 1:3	Х	7.93	80.00	19.43	6.99	70.0	± 9.6 %
		Υ	8.50	81.06	19.83		70.0	
		Z	7.91	80.08	19.40		70.0	
10314- AAA	IDEN 1:6	X	10.36	86.77	24.35	10.00	30.0	± 9.6 %
		Y	11.09	87.90	24.72		30.0	
		Z	10.57	87.37	24.52		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	Х	1.16	64.08	15.18	0.17	150.0	± 9.6 %
		Y	1.19	64.95	15.92		150.0	
		Z	1.15	63.96	15.05		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.74	66.85	16.40	0.17	150.0	±9.6 %
		Y	4.75	67.05	16.58		150.0	
		Z	4.69	66.84	16.36	ļ	150.0	1 2 2 2 2 2
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	Х	4.74	66.85	16.40	0.17	150.0	± 9.6 %
		Y	4.75	67.05	16.58	<u></u>	150.0	ļ
		Z	4.69	66.84	16.36	<u> </u>	150.0	
10400- AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.83	67.07	16.30	0.00	150.0	± 9.6 %
		Υ	4.84	67.29	16.50		150.0	
		Z	4.76	67.04	16.26	ļ	150.0	
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.51	67.29	16.49	0.00	150.0	± 9.6 %
		Y	5.53	67.49	16.67		150.0	
	·	Z	5.49	67.36	16.51	1	150.0	1

Y 1.71 70.53 15.29 115.0	10402- AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.79	67.69	16.53	0.00	150.0	± 9.6 %
10404- CDMA2000 (1xEV-DO, Rev. 0) X								150.0	-
Comazono (1xev-Do, Rev. a) X 1.49 68.14 14.07 0.00 115.0 ± 9.6	40400			5.72	67.60	16.48		150.0	
Total		CDMA2000 (1xEV-DO, Rev. 0)	1		<u>L</u> .		0.00		± 9.6 %
Total					70.53	15.29		115.0	
CAMAZOUD (1XEV-DO, Rev. A)	10101			1.38	67.47	13.43			
10406- AAB Rate Rate X 100,000 122,23 31,08 0.00 100.0 ± 9.6		CDMA2000 (1xEV-DO, Rev. A)	.			14.07	0.00		± 9.6 %
10406- AAB Rate X 100.00 122.54 31.38 115.0 100.00 122.04 31.38 100.00 100.0	<u> </u>			1.71	70.53	15.29		115.0	
TOADMAZORO, RC3, SC32, SCH0, Full X 100.00 122.23 31.08 0.00 100.00 ± 9.6	40.400		Z		67.47	13.43			
10410- AAB							0.00	<u> </u>	± 9.6 %
10410- AB						31.38		100.0	
Title Dit Color	40.440			21.98	102.39	26.35		100.0	
Totals		LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)				31.26	3.23		± 9.6 %
10415- IEEE 802.11g WiFi 2.4 GHz (DSSS, 1 X 1.03 62.73 14.35 0.00 150.0 ± 9.6					122.54	31.65		80.0	
Total	40445				121.97				
10416- IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duly cycle)		IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)		1.03	62.73		0.00		± 9.6 %
10416- IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)				1.04	63.46	15.05		150.0	
10416- IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)			Z	1.02	62.64				
10417- IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 X 4.64 66.69 16.23 0.00 150.0 ± 9.6		IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	1	4.64	66.69		0.00		± 9.6 %
Total				4.65	66.89	16.41		150.0	
10417- IEEE 802.11a M WiFi 5 GHz (OFDM, 6 X 4.64 66.69 16.23 0.00 150.0 ±9.6				4.59	66.68				
Totals		IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)		4.64			0.00		± 9.6 %
Totals			Ý	4.65	66.89	16.41		150.0	
10418- LEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)			Z	4.59					
10419- IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)		OFDM, 6 Mbps, 99pc duty cycle, Long	X				0.00		± 9.6 %
Total Tota			Y	4.64	67.04	16.42		150.0	
Tell Tell			Z	4.58					
Total Tota		OFDM, 6 Mbps, 99pc duty cycle, Short	X	4.65			0.00		± 9.6 %
Total Tota			Y	4.66	66.99	16.43	·	150.0	
Teel Second Sec									
Total Tota							0.00		± 9.6 %
Total Tota			Ý	4.78	67.00	16.45		150.0	···
Total Tota									
10424- IEEE 802.11n (HT Greenfield, 72.2 X 4.88 67.10 16.36 150.0 ± 9.6			Х				0.00		± 9.6 %
10424- IEEE 802.11n (HT Greenfield, 72.2 X 4.88 67.10 16.36 150.0 ± 9.6			Y	4.97	67.35	16.58		150.0	
10424- AAA IEEE 802.11n (HT Greenfield, 72.2 X 4.88 67.10 16.36 0.00 150.0 ± 9.6									
10425- AAA IEEE 802.11n (HT Greenfield, 15 Mbps, X 5.49 67.52 16.59 0.00 150.0 ± 9.6 Y 5.50 67.70 16.76 150.0 Z 5.44 67.51 16.58 150.0 IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.49 67.54 16.59 0.00 150.0 ± 9.6 10426- AAA 16-QAM) Y 5.50 67.71 16.76 150.0							0.00		± 9.6 %
10425- AAA IEEE 802.11n (HT Greenfield, 15 Mbps, X 5.49 67.52 16.59 0.00 150.0 ± 9.6 Y 5.50 67.70 16.76 150.0 Z 5.44 67.51 16.58 150.0 IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.49 67.54 16.59 0.00 150.0 ± 9.6 10426- AAA 16-QAM) Y 5.50 67.71 16.76 150.0			Y	4.88	67.30	16.54		150.0	
10425- AAA BPSK) The state of the state o									
10426- IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.49 67.51 16.58 150.0 150.0 2 4 4 4 4 4 4 4 4 4		JEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)					0.00		± 9.6 %
10426- IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.49 67.51 16.58 150.0 150.0 2 4 4 4 4 4 4 4 4 4			Y	5.50	67.70	16.76		150.0	
10426- AAA 16-QAM) EEE 802.11n (HT Greenfield, 90 Mbps, X 5.49 67.54 16.59 0.00 150.0 ± 9.69 16.70 16.70 16.70 150.0 1									
							0.00		± 9.6 %
			Y	5.50	67 71	16.76		150.0	
Z 5.45 67.53 16.59 150.0									

10427- AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	Х	5.50	67.50	16.57	0.00	150.0	± 9.6 %
		Y	5.51	67.67	16.73		150.0	
		Ζ	5.45	67.48	16.56		150.0	
10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.25	70.00	17.85	0.00	150.0	± 9.6 %
		Υ	4.23	70.09	17.93		150.0	
		Z	4.19	70.14	17.80		150.0	
10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	Х	4.34	67.20	16.23	0.00	150.0	± 9.6 %
		Υ	4.36	67.46	16.45		150.0	
		Z	4.27	67.18	16.16		150.0	
10432- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	Х	4.64	67.12	16.31	0.00	150.0	± 9.6 %
		Y	4.65	67.34	16.50		150.0	
40400	LTE EDD (OFDIA COLUI E ZILO ()	Z	4.57	67.09	16.26	0.00	150.0	
10433- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.89	67.13	16.38	0.00	150.0	± 9.6 %
		Y	4.90	67.33	16.56		150.0	
40404	M ODMA (DOT 144 114 04 DDOT)	Z	4.82	67.10	16.34	0.00	150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.31	70.67 70.79	17.79 17.87	0.00	150.0 150.0	± 9.6 %
		Y						
10435-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz,	Z	4.25 100.00	70.82 121.51	17.71 31.18	3.23	150.0 80.0	± 9.6 %
AAB	QPSK, UL Subframe=2,3,4,7,8,9)	^ Y	100.00	121.31	31.57	3.23	80.0	I 9.0 %
		Z	100.00	121.79	31.11		80.0	
10447- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.63	67.13	15.60	0.00	150.0	± 9.6 %
		Υ	3.66	67.50	15.86		150.0	
		Z	3.54	67.07	15.44		150.0	
10448- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.17	66.96	16.08	0.00	150.0	± 9.6 %
		Y	4.19	67.23	16.30	1	150.0	
		Z	4.10	66.94	16.02		150.0	******
10449- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.44	66.92	16.19	0.00	150.0	± 9.6 %
		Y	4.45	67.15	16.39		150.0	
		Z	4.38	66.90	16.14		150.0	
10450- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	Х	4.63	66.87	16.23	0.00	150.0	± 9.6 %
		Υ	4.64	67.08	16.41		150.0	
		Z	4.58	66.85	16.19		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	×	3.53	67.33	15.28	0.00	150.0	± 9.6 %
		Y	3.57	67.74	15.55		150.0	
		Z	3.43	67.21	15.05		150.0	1000
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.35	68.11	16.76	0.00	150.0	± 9.6 %
		Y	6.36	68.24	16.90		150.0	
101	LINES FOR (DO LICEDA)	Z	6.31	68.06	16.74	1000	150.0	1000
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.86	65.32	15.94	0.00	150.0	± 9.6 %
		Y	3.86	65.52	16.13	<u> </u>	150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2	Z	3.83 3.37	65.31 66.71	15.89 14.79	0.00	150.0 150.0	± 9.6 %
AAA	carriers)	Y	3.41	67.16	15.08		150.0	
		Z	3.26	66.61	14.51		150.0	
10459-	CDMA2000 (1xEV-DO, Rev. B, 3	X	4.52	65.23	15.77	0.00	150.0	± 9.6 %
ΔΔΔ	L carriers)	1						
AAA	carriers)	Y	4.60	65.75	16.11		150.0	

10462- LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- AAA LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- AAA LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- AAA LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- AAA LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- AAA LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- AAA LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AAA LTE-TDD (SC	10460- AAA	UMTS-FDD (WCDMA, AMR)	X	0.89	66.92	15.35	0.00	150.0	± 9.6 %
10461-			Υ	1.01	69.93	17 18	 	150.0	<u> </u>
10461- LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, AAA AAA							 		
TITE-TDD (SC-FDMA, 1 RB, 1.4 MHz, AAA 16-QAM, UL Subframe=2,3,4,7,8,9)		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)					3.29		± 9.6 %
TITE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-AAA LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-AAA LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-AAA LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-AAA LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 6-	<u></u>		Υ	100.00	127.39	33.94		80.0	
Tell Tell			Z	100.00	125.16				
Tight Tigh	1	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	_		<u> </u>	25.96	3.23		± 9.6 %
10468-						26.39		80.0	
10464- LTE-TDD (SC-FDMA, 1 RB, 3 MHz, AAA ABA		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2.3 4 7 8 9)					3.23		± 9.6 %
LTE-TDD (SC-FDMA, 1 RB, 3 MHz, GAAA CABA			Y	100.00	108.53	24.80		20.0	
10464- AAA									
Terribo (SC-FDMA, 1 RB, 3 MHz, 16-		LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)					3.23		± 9.6 %
Terrido (SC-FDMA, 1 RB, 3 MHz, 16- AAA AAA			Υ	100.00	125.58	32.94	†	80.0	
10465- AAA	L			100.00					
10468-		LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)		L	110.13		3.23		± 9.6 %
10466-								80.0	
AAA	40400	LTE TOP (OC FOLL)				22.58		80.0	
10467- AAB		QAM, UL Subframe=2,3,4,7,8,9)					3.23		± 9.6 %
10467- AAB									
AAB QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.77 80.0 LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 1110.29 25.79 3.23 80.0 ±9.6 % Y 100.00 111.34 26.23 80.0 LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 111.34 26.23 80.0 LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 108.09 24.67 80.0 Y 100.00 124.02 32.24 3.23 80.0 ±9.6 % Y 100.00 124.02 32.24 3.23 80.0 ±9.6 % Y 100.00 125.83 30.05 80.0 LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 125.83 30.05 80.0 LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 125.83 80.0 ±9.6 % Y 100.00 110.24 25.76 3.23 80.0 ±9.6 % LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 110.24 25.76 3.23 80.0 ±9.6 % LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 110.24 25.76 3.23 80.0 ±9.6 % LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.44 31.77 80.0 I 10473-QAB, UL Subframe=2,3,4,7,8,9) Y 100.00 108.04 24.64 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, Z 100.00 123.44 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, Z 100.00 123.44 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,	10467	TE TOD (SO COMA 4 DD CAUL			·			80.0	
10468- AAB							3.23	80.0	± 9.6 %
TE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-								80.0	
AAB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 111,34 26.23 80.0 10469- AAB LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- AB QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 108.09 24.67 80.0 Y 100.00 125.83 33.05 80.0 ± 9.6 % Y 100.00 125.83 33.05 80.0 Z 100.00 125.83 33.05 80.0 Y 100.00 125.83 33.05 80.0 Z 100.00 123.44 31.77 80.0 ABB QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 125.83 33.05 80.0 Z 100.00 125.83 33.05 80.0 Z 100.00 125.83 33.05 80.0 Z 100.00 126.83 33.05 80.0 Z 100.00 126.83 33.05 80.0 Z 100.00 127.44 31.77 80.0 ABB QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 111.29 26.20 80.0 Z 43.76 100.38 23.18 80.0 10472- ABB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 108.04 24.64 80.0 Z 9.36 81.64 17.53 80.0 10473- AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 125.81 33.03 80.0 10473- ABB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 125.81 33.03 80.0 10474- ABB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- ABB QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 125.81 33.03 80.0 10475- AAB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- ABB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 125.81 33.03 80.0 I 10475- AAB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- ABB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 125.81 33.03 80.0 I 10475- AAB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- ABB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 125.81 33.03 80.0 I 10475- AAB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 125.81 33.03 80.0 I 10475- AAB QAM, UL Subframe=2,3,4,7,8,9)	10460	LTE TDD (00 FDM) 4 DD F MIL 10							
10469- AAB		QAM, UL Subframe=2,3,4,7,8,9)					3.23		± 9.6 %
LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- AB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- AB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- AB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- AB LTE-TDD (SC-FDMA, 1 RB									
Y 100.00 108.09 24.67 80.0 10470-		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2 3 4 7 8 9)					3.23		± 9.6 %
10470- LTE-TDD (SC-FDMA, 1 RB, 10 MHz, AB Y 100.00 124.02 32.24 3.23 80.0 ± 9.6 % Y 100.00 125.83 33.05 80.0 ± 9.6 % Y 100.00 123.44 31.77 80.0 ± 9.6 % X 100.00 123.44 31.77 80.0 ± 9.6 % X 100.00 100.00 110.24 25.76 3.23 80.0 ± 9.6 % X 100.00 110.24 25.76 3.23 80.0 ± 9.6 % X 100.00 110.24 25.76 3.23 80.0 ± 9.6 % X 100.00 110.24 25.76 3.23 80.0 ± 9.6 % X 100.00 110.24 25.76 3.23 80.0 ± 9.6 % X 100.00		Tiel ili lele)	T	100.00	109.00	24.67		000	
10470- AAB									
AAB QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 125.83 33.05 80.0 10471- AAB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 123.44 31.77 80.0 10472- AAB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 111.29 26.20 80.0 Z 43.76 100.38 23.18 80.0 10472- AAB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 108.04 24.64 80.0 Z 9.36 81.64 17.53 80.0 10473- AAB QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.76 QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Y 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 Z 100.00 123.41 31.76 80.0 ETE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- X 100.00 110.25 25.76 3.23 80.0 ±9.6 % X 100.00 111.30 26.20 80.0 Z 42.90 100.17 23.13 80.0 ETE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- X 99.25 107.05 24.25 3.23 80.0 ±9.6 %	10470-	LTE-TDD (SC-FDMA, 1 RB, 10 MHz					2.22		
Tourish	AAB	QPSK, UL Subframe=2,3,4,7,8,9)					3.23		± 9.6 %
10471- AAB LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 111.29 26.20 80.0 Z 43.76 100.38 23.18 80.0 LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 107.12 24.26 3.23 80.0 ± 9.6 % Y 100.00 108.04 24.64 80.0 Z 9.36 81.64 17.53 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9) Y 100.00 123.99 32.23 3.23 80.0 ± 9.6 % Y 100.00 123.99 32.23 3.23 80.0 ± 9.6 % LTE-TDD (SC-FDMA, 1 RB, 15 MHz, AB) Y 100.00 125.81 33.03 80.0 Z 100.00 123.41 31.76 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-AB) QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 110.25 25.76 3.23 80.0 ± 9.6 % LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-AB) QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 111.30 26.20 80.0 Z 42.90 100.17 23.13 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-AB) QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 108.06 24.65 80.0			+						
10472- LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- X 100.00 107.12 24.26 3.23 80.0 ± 9.6 %		LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)					3,23		± 9.6 %
10472- LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- X 100.00 107.12 24.26 3.23 80.0 ± 9.6 %			Υ	100.00	111.29	26.20		80.0	
LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	10/			43.76					
10473- LTE-TDD (SC-FDMA, 1 RB, 15 MHz, ARB 100.00 123.99 32.23 3.23 80.0 ± 9.6 %		LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)					3.23		± 9.6 %
Te-todo (SC-FDMA, 1 RB, 15 MHz, ABB LTE-todo (SC-FDMA, 1 RB, 15 MHz, ABB LTE-todo (SC-FDMA, 1 RB, 15 MHz, ABB LTE-todo (SC-FDMA, 1 RB, 15 MHz, 16-ABB LTE-todo (SC-FDMA, 1 RB, 15 MHz, 64-ABB LTE-todo (SC-FDMA, 1 RB, 15 MHz, 64-AB								80.0	
AAB	10470	LTE TOO (OO EDIA)	Z						
10474- AAB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- AAB Y 100.00 110.25 25.76 3.23 80.0 ± 9.6 % Y 100.00 111.30 26.20 80.0 Z 42.90 100.17 23.13 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- AAB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 108.06 24.65 80.0							3.23	80.0	± 9.6 %
10474- AAB LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 111.30 26.20 80.0 Z 42.90 100.17 23.13 80.0 LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- AAB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 108.06 24.65 80.0									
Y 100.00 111.30 26.20 80.0 Z 42.90 100.17 23.13 80.0 10475- AAB QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 108.06 24.65 80.0		LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2 3 4 7 8 9)					3.23		± 9.6 %
10475- AAB		4	V	100.00	111 20	26.20		-000	
10475- AAB									<u> </u>
Y 100.00 108.06 24.65 80.0		LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2.3.4.7.8.9)			107.05		3.23		± 9.6 %
7 004		1-1-1-1-1-1-1	Y	100.00	108.06	24.65		90.0	
			Ż	9.24	81.52	17.50		80.0	

ES3DV3- SN:3213

February 10, 2017

10477- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Χ	100.00	110.09	25.68	3.23	80.0	± 9.6 %
		Υ	100.00	111.14	26.12		80.0	
		Z	37.23	98.47	22.68		80.0	
10478- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	95.92	106.64	24.15	3.23	80.0	± 9.6 %
		Y	100.00	108.00	24.62		80.0	
		Ζ	9.13	81.36	17.44		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	15.99	96.17	26.79	3.23	80.0	± 9.6 %
		Υ	25.94	104.65	29.40		80.0	
		Z	12.83	92.51	25.34		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	19.48	93.48	24.25	3.23	80.0	± 9.6 %
		Y	30.64	100.38	26.28		80.0	
40404		Z	12.85	87.46	22.08		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	16.00	89.85	22.83	3.23	80.0	± 9.6 %
		Υ	23.58	95.63	24.59		80.0	
10165	1.75 700 (0.0 00)	Z	10.55	84.00	20.64		80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	5.04	76.94	19.04	2.23	80.0	± 9.6 %
		Y	6.02	79.79	20.13	1	80.0	
10.00		Z	4.78	76.30	18.55		80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	9.12	82.48	20.94	2.23	80.0	± 9.6 %
		Υ	10.77	85.20	21.94		80.0	
		Z	6.99	78.47	19.09		80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	8.29	80.89	20.40	2.23	80.0	± 9.6 %
		Y	9.58	83.28	21.31		80.0	
		Z	6.43	77.10	18.60		80.0	
10485- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.28	77.72	20.08	2.23	80.0	± 9.6 %
		Y	6.19	80.50	21.18		80.0	
		Z	5.13	77.51	19.85		80.0	
10486- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.51	72.42	17.68	2.23	80.0	± 9.6 %
		Y	4.81	73.61	18.21		80.0	
		Z	4.36	72.13	17.34		80.0	
10487- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.47	71.97	17.49	2.23	80.0	± 9.6 %
		Y	4.74	73.05	17.98		80.0	
		Z	4.32	71.65	17.14	ļ	80.0	
10488- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.28	76.23	20.05	2.23	80.0	± 9.6 %
		Υ	5.88	78.28	20.95	 	80.0	
		Z	5.13	76.06	19.94		80.0	
10489- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.61	71.60	18.35	2.23	80.0	± 9.6 %
		Y	4.82	72.56	18.83		80.0	
		Z	4.51	71.52	18.23		80.0	1
10490- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.69	71.33	18.26	2.23	80.0	± 9.6 %
		Y	4.87	72.22	18.72		80.0	
		Z	4.59	71.26	18.14	<u> </u>	80.0	
10491- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	5.21	74.00	19.31	2.23	80.0	± 9.6 %
		Y	5.57	75.36	19.96		80.0	<u> </u>
		Z	5.08	73.85	19.24		80.0	<u> </u>
10492- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.87	70.59	18.20	2.23	80.0	± 9.6 %
		Y	5.02	71.33	18.60		80.0	
		Z	4.77	70.51	18.12		80.0	

10493-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	X	4.93	70.41	18.14	2.23	80.0	± 9.6 %
AAB	64-QAM, UL Subframe=2,3,4,7,8,9)	1				2.20		1 9.0 %
		Y	5.07	71.11	18.53	ļ	80.0	
10494-	LTE TOD (SC EDIMA FOR DD CO MIL	Z	4.83	70.34	18.06	ļ	80.0	
AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.74	75.68	19.79	2.23	80.0	± 9.6 %
ļ		Y	6.23	77.26	20.51		80.0	
40405	177 700 /04	Z	5.57	75.46	19.70		80.0	
10495- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.94	71.08	18.40	2.23	80.0	± 9.6 %
<u> </u>		Y	5.11	71.86	18.83		80.0	
40400	LTC TOD (OO ED)	Z	4.84	70.96	18.32		80.0	
10496- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.99	70.71	18.29	2.23	80.0	± 9.6 %
		Y	5.14	71.42	18.69		80.0	
40407		Z	4.89	70.61	18.21		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.95	73.39	16.94	2.23	80.0	± 9.6 %
		Y	4.59	75.63	17.82		80.0	
40400	LTC TDD (00 FD)	Z	3.56	72.03	16.04		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.99	67.14	13.42	2.23	80.0	± 9.6 %
		Υ	3.17	68.04	13.81		80.0	
·		Z	2.58	65.48	12.27		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.90	66.50	13.01	2.23	80.0	± 9.6 %
		Υ	3.06	67.30	13.36		80.0	
<u> </u>		Ζ	2.49	64.82	11.82		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	5.14	76.64	19.91	2.23	80.0	± 9.6 %
		Y	5.86	79.02	20.91		80.0	
		Z	5.00	76.51	19.75	·	80.0	†
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.55	72.03	17.90	2.23	80.0	± 9.6 %
		Y	4.80	73.10	18.41		80.0	
		Z	4.43	71.87	17.67		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.59	71.80	17.77	2.23	80.0	± 9.6 %
		Y	4.83	72.81	18.25		80.0	-
		Z	4.47	71.64	17.53		80.0	†
10503- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	5.22	76.03	19.96	2.23	80.0	± 9.6 %
		Υ	5.81	78.08	20.86		80.0	
10501	1175 755 (00 750)	Z	5.07	75.86	19.85		80.0	
10504- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.59	71.52	18.30	2.23	80.0	± 9.6 %
		Υ	4.80	72.48	18.79		80.0	
10505	LTE TOP (00 FOLK)	Z	4.49	71.43	18.18		80.0	-
10505- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.66	71.24	18.21	2.23	80.0	± 9.6 %
	 	Y	4.85	72.13	_18.67		80.0	
10506-	LTC TOD (CO FDIA) (CO) DE 15	Z	4.56	71.17	18.09		80.0	
AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.69	75.54	19.72	2.23	80.0	± 9.6 %
	 	Y	6.18	77.12	20.44		80.0	
10507-	LITE TOD (SC FDMA 400% DD 40	Z	5.52	<u>75</u> .31	19.63		80.0	
AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.93	71.03	18.37	2.23	80.0	± 9.6 %
		Υ	5.09	71.81	18.80		80.0	
		Z						

10508- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.98	70.65	18.25	2.23	80.0	± 9.6 %
		Υ	5.12	71.36	18.65		80.0	
		Z	4.87	70.54	18.17		80.0	
10509- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.75	73.61	18.99	2.23	80.0	± 9.6 %
		Y	6.04	74.62	19.49		80.0	
		Z	5.61	73.42	18.92		80.0	
10510- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.37	70.52	18.25	2.23	80.0	± 9.6 %
		Y	5.50	71.12	18.60		80.0	
		Z	5.26	70.38	18.18		80.0	
10511- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.39	70.20	18.16	2.23	80.0	± 9.6 %
		Y	5.51	70.76	18.50		80.0	
		Z	5.29	70.08	18.10		80.0	
10512- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	6.17	75.45	19.55	2.23	80.0	± 9.6 %
		Y	6.61	76.77	20.16		80.0	
10515	1.75 755 (6.6 55.1)	Z	5.99	75.18	19.45		80.0	
10513- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.29	70.93	18.40	2.23	80.0	± 9.6 %
		Υ	5.44	71.61	18.78		80.0	
		Z	5.18	70.76	18.31		80.0	
10514- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.26	70.42	18.25	2.23	80.0	± 9.6 %
		Υ	5.39	71.03	18.61		80.0	
		Z	5.16	70.27	18.17		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.99	62.88	14.39	0.00	150.0	± 9.6 %
		Υ	1.01	63.69	15.14		150.0	
		Z	0.98	62.78	14.25		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	Х	0.57	67.90	15.77	0.00	150.0	± 9.6 %
		Y	0.79	74.76	19.51		150.0	
105/5	1555 000 441 WES 0 4 011 (5000 44	Z	0.54	67.33	15.34	0.00	150.0	1000
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	0.83	64.48	14.80	0.00	150.0	± 9.6 %
		Y	0.88	66.11	16.05	1	150.0 150.0	
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	0.82 4.64	64.26 66.76	14.59 16.21	0.00	150.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Υ	4.64	66.97	16.39		150.0	
		Z	4.58	66.75	16.17		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	Х	4.84	67.04	16.35	0.00	150.0	± 9.6 %
		Υ	4.85	67.24	16.53		150.0	
		Z	4.77	67.00	16.30	<u> </u>	150.0	<u> </u>
10520- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.69	67.00	16.26	0.00	150.0	± 9.6 %
		Y	4.70	67.20	16.45	 	150.0	+
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	Z X	4.62 4.62	66.95 66.99	16.22 16.24	0.00	150.0 150.0	± 9.6 %
777	Mispo, Jope duty Cycle)	Y	4.63	67.20	16.43	1	150.0	
		<u>'</u>	4.55	66.94	16.20	1	150.0	1
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.67	67.03	16.31	0.00	150.0	± 9.6 %
· - 		Y	4.69	67.25	16.50	1	150.0	
		Z	4.61	67.03	16.28	-	150.0	

10523- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.55	66.89	16.15	0.00	150.0	± 9.6 %
700	wops, sape duty cycle)	+	 , 			<u> </u>	ļ	
		Y	4.56	67.11	16.34		150.0	
10524-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54	Z	4.49	66.88	16.12		150.0	
AAA	Mbps, 99pc duty cycle)	X	4.62	66.97	16.28	0.00	150.0	± 9.6 %
·		Y	4.63	67.19	16.48		150.0	
40505		Z	4.56	66.95	16.25		150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.59	65.99	15.86	0.00	150.0	± 9.6 %
		Υ	4.60	66.20	16.05		150.0	1
		Z	4.54	65.98	15.83		150.0	
10526- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.77	66.38	16.01	0.00	150.0	± 9.6 %
		Y	4.79	66.60	16.20		150.0	
		Ζ	4.71	66.35	15.98		150.0	<u> </u>
10527- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.69	66.34	15.95	0.00	150.0	± 9.6 %
		Υ	4.71	66.56	16.15	· · · · · ·	150.0	
		Z	4.63	66.30	15.91	T -	150.0	
10528- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	Х	4.71	66.36	15.99	0.00	150.0	± 9.6 %
		Υ	4.72	66.58	16.18		150.0	
40555		Ζ	4.65	66.32	15.95		150.0	
10529- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	Х	4.71	66.36	15.99	0.00	150.0	± 9.6 %
		Υ	4.72	66.58	16.18		150.0	
		Z	4.65	66.32	15.95		150.0	
10531- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	Х	4.71	66.48	16.01	0.00	150.0	± 9.6 %
		Y	4.73	66.71	16.20		150.0	
		Z	4.64	66.43	15.96		150.0	
10532- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.56	66.33	15.94	0.00	150.0	± 9.6 %
		Y	4.58	66.56	16.14		150.0	
		Z	4.50	66.27	15.89		150.0	
10533- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	Х	4.72	66.39	15.97	0.00	150.0	± 9.6 %
		Υ	4.73	66.61	16.16		150.0	
40-0.		Z	4.65	66.36	15.93		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.24	66.54	16.07	0.00	150.0	± 9.6 %
		Υ	5.25	66.71	16.24		150.0	
		Z	5.19	66.49	16.04		150.0	
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	Х	5.31	66.70	16.14	0.00	150.0	± 9.6 %
		Υ	5.33	66.88	16.31		150.0	
10500		Z	5.26	66.68	16.13		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	Х	5.18	66.65	16.10	0.00	150.0	± 9.6 %
		Υ	5.19	66.84	16.27		150.0	
10505		Z	5.12	66.60	16.07		150.0	
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.24	66.63	16.10	0.00	150.0	± 9.6 %
		Υ	5.25	66.81	16.26		150.0	· · · · · · · · · · · · · · · · · · ·
40500		Z	5.19	66.58	16.06		150.0	
10538- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	Х	5.35	66.69	16.17	0.00	150.0	± 9.6 %
		Υ	5.36	66.87	16.33		150.0	
	<u></u>	Z	5.28	66.62	16.12		150.0	
405.0	1							
10540- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.26	66.66	16.17	0.00	150.0	± 9.6 %
	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.26 5.27	66.66 66.85	16.17	0.00	150.0 150.0	± 9.6 %

10541- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	Х	5.23	66.53	16.10	0.00	150.0	± 9.6 %
	Sopo daty Gyoloj	Y	5.24	66.71	16.26		150.0	
		Ż	5.18	66.49	16.06		150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.39	66.62	16.16	0.00	150.0	± 9.6 %
		Y	5.40	66.79	16.32		150.0	
		Z	5.34	66.57	16.12		150.0	
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	Х	5.48	66.66	16.19	0.00	150.0	± 9.6 %
		Y	5.49	66.83	16.36		150.0	
		Z	5.42	66.63	16.18		150.0	
10544- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.54	66.65	16.07	0.00	150.0	± 9.6 %
		Y	5.55	66.80	16.22		150.0	
		Z	5.50	66.61	16.04		150.0	
10545- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	Х	5.76	67.11	16.24	0.00	150.0	± 9.6 %
		Υ	5.77	67.28	16.40		150.0	
		Z	5.71	67.07	16.23		150.0	
10546- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.63	66.91	16.16	0.00	150.0	± 9.6 %
		Y	5.64	67.07	16.32		150.0	
		Z	5.57	66.84	16.12		150.0	
10547- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	Х	5.72	67.00	16.20	0.00	150.0	±9.6 %
		Y	5.72	67.16	16.35		150.0	
		Z	5.65	66.88	16.14		150.0	
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	6.07	68.22	16.78	0.00	150.0	± 9.6 %
		Υ	6.08	68.42	16.96		150.0	
		Z	5.98	68.06	16.70		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	Х	5.65	66.89	16.16	0.00	150.0	± 9.6 %
		Υ	5.66	67.05	16.31		150.0	
		Z	5.60	66.86	16.14		150.0	
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.65	66.93	16.14	0.00	150.0	± 9.6 %
		Y	5.66	67.09	16.29		150.0	
		Z	5.60	66.87	16.11		150.0	
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	Х	5.56	66.71	16.04	0.00	150.0	± 9.6 %
		Υ	5.57	66.86	16.19		150.0	
		Z	5.51	66.66	16.01		150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.65	66.77	16.10	0.00	150.0	± 9.6 %
		Υ	5.66	66.92	16.25		150.0	<u> </u>
		Z	5.60	66.70	16.07	 	150.0	<u> </u>
10554- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.95	67.04	16.18	0.00	150.0	± 9.6 %
		Y	5.96	67.19	16.31		150.0	
		Z	5.91	66.99	16.15	ļ	150.0	
10555- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.09	67.37	16.32	0.00	150.0	± 9.6 %
		Υ	6.11	67.53	16.46	ļ	150.0	1
10556-	IEEE 1602.11ac WiFi (160MHz, MCS2,	X	6.05 6.11	67.32 67.40	16.29 16.33	0.00	150.0 150.0	± 9.6 %
AAA	99pc duty cycle)	1	6.40	67.50	10 17	 	150.0	1
		Y 7	6.12	67.56	16.47	-		
40===		Z	6.07	67.36	16.30	0.00	150.0	+060/
10557- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.08	67.33	16.31	0.00	150.0	± 9.6 %
		Y	6.09	67.48	16.45	 	150.0	
		Z	6.03	67.26	16.27	1	150.0	l

10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.14	67.52	16.42	0.00	150.0	± 9.6 %
		Y	6.15	67.67	16.56	 	150.0	
		Z	6.09	67.43	16.37	 	150.0	-
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.13	67.34	16.37	0.00	150.0	± 9.6 %
<u> </u>		Υ	6.14	67.49	16.51		150.0	
40004		Z	6.07	67.26	16.33		150.0	
10561- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	6.05	67.31	16.39	0.00	150.0	± 9.6 %
<u> </u>		Υ	6.06	67.47	16.54		150.0	
10562-	IEEE 1602.11ac WiFi (160MHz, MCS8,	Z	6.00	67,24	16.36		150.0	
AAA	99pc duty cycle)	X	6.21	67.80	16.64	0.00	150.0	± 9.6 %
	<u> </u>	Y	6.22	67.97	16.79		150.0	
10563-	JEEE 4000 44 14551 (400) H	Z	6.14	67.67	16.57		150.0	
AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.60	68.52	16.95	0.00	150.0	± 9.6 %
		Y	6.61	68.70	17.11		150.0	
10564-	JEET 000 44 - WET 0 4 OU / MOOF	Z	6.44	68.18	16.78		150.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.98	66.92	16.42	0.46	150.0	± 9.6 %
		Y	4.99	67.12	16.60		150.0	
10565-)CCC 000 44. 1400 0 4 511 15 5 5	Z	4.93	66.90	16.38		150.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	5.22	67.37	16.73	0.46	150.0	± 9.6 %
		Υ	5.23	67.55	16.90		150.0	
40500	IFFE COO AL MARIE O A COLO TESTA	Z	5.16	67.34	16.69		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	Х	5.06	67.23	16.56	0.46	150.0	± 9.6 %
		Y	5.06	67.43	16.74		150.0	_
40507		Z	4.99	67.19	16.51		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	5.08	67.57	16.87	0.46	150.0	± 9.6 %
		Υ	5.08	67.74	17.03		150.0	
40500		Z	5.01	67.53	16.84		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.98	67.03	16.35	0.46	150.0	± 9.6 %
		Y	4.99	67.26	16.56		150.0	
		Z	4.91	67.01	16.31		150.0	·
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	Х	5.02	67.62	16.91	0.46	150.0	± 9.6 %
		Y	5.03	67.78	17.06		150.0	
40570	ALERT AND ALL	Z	4.97	67.61	16.89		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	Х	5.07	67.49	16.86	0.46	150.0	± 9.6 %
		Y	5.07	67.68	17.03		150.0	
10574	IEEE 000 441 WEE 5 1 5 1	Z	5.00	67.48	16.83		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	Х	1.33	65.38	15.85	0.46	130.0	± 9.6 %
		Υ	1.37	66.42	16.66		130.0	
40570		Z	1.31	65.23	15.71		130.0	
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.35	65.94	16.19	0.46	130.0	± 9.6 %
		Υ	1.40	67.08	17.03		130.0	
10570	1555 000 441 William 6	Z	1.33	65.79	16.04		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	2.45	84.59	22.30	0.46	130.0	± 9.6 %
·		Υ	10.53	109.30	30.18		130.0	
40574	IEEE 200 (41 MIN)	Z	2.23	83.07	21.66		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.51	71.42	18.78	0.46	130.0	± 9.6 %
		Υ	1.69	74.14	20.31		130.0	
		Z	1.47	71.09	18.56		130.0	

10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	Х	4.80	66.79	16.52	0.46	130.0	± 9.6 %
	or Ding o mopo, oope duty cycle)	Υ	4.80	66.99	16.70		130.0	
		Z	4.74	66.78	16.48			•
10576-	IEEE 802.11g WiFi 2.4 GHz (DSSS-					0.40	130.0	
AAA	OFDM, 9 Mbps, 90pc duty cycle)	X	4.82	66.93	16.57	0.46	130.0	± 9.6 %
		Υ	4.83	67.13	16.75		130.0	
		Z	4.77	66.93	16.54		130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	Х	5.04	67.25	16.75	0.46	130.0	± 9.6 %
		Y	5.04	67.43	16.92		130.0	
		Z	4.97	67.22	16.71		130.0	
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	Х	4.93	67.39	16.83	0.46	130.0	± 9.6 %
		Y	4.93	67.57	17.00		130.0	
		Z	4.87	67.36	16.79		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.71	66.78	16.21	0.46	130.0	± 9.6 %
		Y	4.73	67.02	16.43		130.0	
		Z	4.65	66.73	16.16		130.0	
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.76	66.79	16.23	0.46	130.0	± 9.6 %
		Υ	4.77	67.05	16.45		130.0	
		Z	4.69	66.76	16.18		130.0	
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	Х	4.83	67.44	16.78	0.46	130.0	± 9.6 %
		Y	4.84	67.63	16.95		130.0	
		Z	4.77	67.41	16.74		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	Х	4.66	66.56	16.03	0.46	130.0	± 9.6 %
		Y	4.68	66.83	16.26		130.0	
		Z	4.59	66.51	15.97		130.0	
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	Х	4.80	66.79	16.52	0.46	130.0	± 9.6 %
	insperior state of the state of	Y	4.80	66.99	16.70		130.0	
		Ż	4.74	66.78	16.48		130.0	
10584- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.82	66.93	16.57	0.46	130.0	± 9.6 %
		Y	4.83	67.13	16.75		130.0	
		Ż	4.77	66.93	16.54		130.0	
10585- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	5.04	67.25	16.75	0.46	130.0	± 9.6 %
		TY	5.04	67.43	16.92		130.0	
		Z	4.97	67.22	16.71	1	130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.93	67.39	16.83	0.46	130.0	± 9.6 %
		Y	4.93	67.57	17.00		130.0	
		Z	4.87	67.36	16.79		130.0	1
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	Х	4.71	66.78	16.21	0.46	130.0	±9.6 %
····		Y	4.73	67.02	16.43		130.0	
		Z	4.65	66.73	16.16		130.0	
10588- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.76	66.79	16.23	0.46	130.0	± 9.6 %
	,	Υ	4.77	67.05	16.45		130.0	
		Z	4.69	66.76	16.18		130.0	
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.83	67.44	16.78	0.46	130.0	± 9.6 %
<u></u>	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Y	4.84	67.63	16.95	1	130.0	
		Z	4.77	67.41	16.74		130.0	
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.66	66.56	16.03	0.46	130.0	± 9.6 %
AAA	,	L				· · · · · · · · · · · · · · · · · · ·	4	
7000		Y	4.68	66.83	16.26		130.0	

Certificate No: ES3-3213_Feb17

10591- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.94	66.84	16.61	0.46	130.0	± 9.6 %
7001	MOOO, Jope daty cycle)	Y	4.05	67.00	40.70	 	1000	
		Z	4.95 4.89	67.02 66.83	16.78 16.58	 	130.0	ļ
10592- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.11	67.18	16.74	0.46	130.0	± 9.6 %
		Y	5.11	67.36	16.91		130.0	
		Z	5.05	67.16	16.71		130.0	
10593- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.04	67.12	16.64	0.46	130.0	± 9.6 %
		Y	5.04	67.31	16.81		130.0	- "
10594-	IEEE 000 44- (UTAE A COLUM	Z	4.97	67.08	16.60		130.0	
AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	5.09	67.26	16.77	0.46	130.0	± 9.6 %
		<u> </u>	5.09	67.44	16.95		130.0	
10595-	IEEE 802.11n (HT Mixed, 20MHz,	Z	5.02	67.24	16.74		130.0	ļ
AAA	MCS4, 90pc duty cycle)		5.06	67.23	16.68	0.46	130.0	±9.6%
		Y	5.07	67.42	16.86		130.0	ļ <u></u> .
10596-	IEEE 802.11n (HT Mixed, 20MHz,	Z	4.99 5.00	67.20	16.64	0.40	130.0	
AAA	MCS5, 90pc duty cycle)	$\frac{1}{Y}$		67.23	16.68	0.46	130,0	± 9.6 %
		Z	5.01 4.93	67.44	16.87		130.0	<u> </u>
10597-	IEEE 802.11n (HT Mixed, 20MHz,	$\frac{2}{x}$	4.95	67.20 67.15	16.65 16.58	0.40	130.0	1000
AAA	MCS6, 90pc duty cycle)	Y	4.96	67.15	16.58	0.46	130.0	± 9.6 %
		Ż	4.88	67.11	16.77		130.0	
10598- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.92	67.37	16.82	0.46	130.0 130.0	± 9.6 %
		Y	4.93	67.55	16.99		130.0	
		Z	4.86	67.32	16.78		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.62	67.44	16.83	0.46	130.0	± 9.6 %
		Y	5.62	67.59	16.99		130.0	
		Z	5.57	67.41	16.81		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	Х	5.83	68.08	17.13	0.46	130.0	± 9.6 %
		Υ	5.83	68.26	17.31		130.0	
		Z	5.75	67.98	17.08		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.67	67.70	16.95	0.46	130.0	± 9.6 %
· .		Y	5.68	67.87	17.12		130.0	
40000	In the second of	Z	5.61	67.65	16.92		130.0	
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.76	67.70	16.88	0.46	130.0	± 9.6 %
		Y	5.77	67.88	17.05		130.0	
10603-	IFFC 902 11s /UT Mine 1 40441	Z	5.71	67.69	16.87		130.0	
AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.83	67.96	17.13	0.46	130.0	± 9.6 %
		Y	5.84	68.14	17.30		130.0	
10604-	IEEE 802.11n (HT Mixed, 40MHz,	Z	5.78	67.93	17.11		130.0	
AAA	MCS5, 90pc duty cycle)	X	5.62	67.40	16.84	0.46	130.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Z	5.63	67.56	17.00		130.0	
10605- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.57 5.75	67.37 67.79	16.81 17.04	0.46	130.0 130.0	± 9.6 %
		TY	5.76	67.98	17.22	· -	130.0	
		Z	5.71	67.80	17.04		130.0	
10606- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.50	67.17	16.59	0.46	130.0	± 9.6 %
_		Y	5.51	67.36	16.78		130.0	
			V.U I	01.00	10.70		730111	

10607- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.77	66.11	16.20	0.46	130.0	± 9.6 %
		Y	4.78	66.31	16.38		130.0	
		Z	4.72	66.10	16.17		130.0	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.97	66.53	16.37	0.46	130.0	± 9.6 %
		Y	4.98	66.73	16.55		130.0	
		Z	4.91	66.51	16.34		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	Х	4.86	66.39	16.22	0.46	130.0	± 9.6 %
		Y	4.87	66.61	16.41		130.0	
40040		Z	4.80	66.37	16.19		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.91	66.54	16.37	0.46	130.0	± 9.6 %
		Y	4.92	66.75	16.55		130.0	
10011	1777	Z	4.85	66.52	16.34		130.0	
10611- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.83	66.37	16.24	0.46	130.0	± 9.6 %
		Y	4.84	66.58	16.42		130.0	
40040	IFFE 000 44 THE COLUMN	Z	4.77	66.34	16.20		130.0	
10612- AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.85	66.53	16.28	0.46	130.0	± 9.6 %
		Y	4.86	66.77	16.48		130.0	<u></u>
		Z	4.78	66.50	16.25		130.0	
10613- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.86	66.45	16.19	0.46	130.0	± 9.6 %
		Y	4.87	66.68	16.39		130.0	
		Z	4.79	66.40	16.14		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.79	66.59	16.39	0.46	130.0	± 9.6 %
		Y	4.80	66.80	16.57		130.0	
		Z	4.72	66.55	16.34		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	Х	4.84	66.22	16.03	0.46	130.0	± 9.6 %
		Υ	4.85	66.46	16.24		130.0	
		Z	4.77	66.19	15.99		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.43	66.66	16.42	0.46	130.0	± 9.6 %
		Y	5.44	66.83	16.58		130.0	
		Z	5.38	66.62	16.39		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.49	66.80	16.46	0.46	130.0	± 9.6 %
		Υ	5.50	66.99	16.63		130.0	
		Z	5.45	66.83	16.47		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.38	66.84	16.49	0.46	130.0	± 9.6 %
		Υ	5.39	67.01	16.65		130.0	
		Z	5.33	66.80	16.47		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.41	66.69	16.36	0.46	130.0	± 9.6 %
		Υ	5.42	66.88	16.53		130.0	
		Z	5.36	66.66	16.34		130.0	
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.51	66.76	16.45	0.46	130.0	± 9.6 %
		Υ	5.52	66.94	16.61		130.0	
		Z	5.45	66.69	16.40		130.0	
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.49	66.80	16.57	0.46	130.0	± 9.6 %
		Y	5.49	66.95	16.72		130.0	
		Z	5.43	66.76	16.55		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	Х	5.50	66.97	16.65	0.46	130.0	± 9.6 %
		Υ	5.51	67.14	16.81		130.0	
		Z	5.46	66.96	16.64	1	130.0	1

10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.38	66.52	16.31	0.46	130.0	± 9.6 %
		Υ	5.39	66.70	16.48		130.0	<u> </u>
		Z	5.33	66.49	16.29		130.0	<u> </u>
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	Х	5.58	66.73	16.48	0.46	130.0	± 9.6 %
		Υ	5.59	66.90	16.64		130.0	
		Z	5.52	66.69	16.46		130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.03	67.94	17.14	0.46	130.0	± 9.6 %
		Υ	6.04	68.15	17.32		130.0	
10626-	JEEE 000 44 - MEE (001 H) MOOO	Z	5.94	67.84	17.08	ļ <u></u>	130.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.70	66.70	16.37	0.46	130.0	± 9.6 %
		Y	5.71	66.85	16.51		130.0	
10627-	IEEE 802.11ac WiFi (80MHz, MCS1,	Z	5.66	66.67	16.35		130.0	
AAA	90pc duty cycle)	X	5.98	67.34	16.65	0.46	130.0	± 9.6 %
		Y	5.99	67.51	16.80	ļ	130.0	
10628-	IEEE 802.11ac WiFi (80MHz, MCS2,	Z	5.93	67.32	16.64		130.0	
AAA	90pc duty cycle)	X	5.76	66.88	16.35	0.46	130.0	± 9.6 %
		Y	5.78	67.04	16.51		130.0	
10629-	IEEE 802.11ac WiFi (80MHz, MCS3,	Z	5.72	66.82	16.32		130.0	
AAA	90pc duty cycle)	X	5.85	66.94	16.38	0.46	130.0	± 9.6 %
		Y Z	5.86	67.11	16.54		130.0	
10630-	IEEE 802.11ac WiFi (80MHz, MCS4,	X	5.81	66.93	16.37	0.40	130.0	
AAA	90pc duty cycle)		6.47	68.96	17.39	0.46	130.0	± 9.6 %
		Y	6.50	69.20	17.59		130.0	
10631-	IEEE 802.11ac WiFi (80MHz, MCS5,	Z	6.37	68.78	17.30		130.0	
AAA	90pc duty cycle)	X	6.25	68.39	17.28	0.46	130.0	± 9.6 %
		Y	6.25	68.53	17.42		130.0	
10632-	IEEE 000 44 MUEL (OOM III - MOOO	Z	6.15	68.22	17.20		130.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.93	67.33	16.77	0.46	130.0	± 9.6 %
		Y	5.93	67.47	16.90		130.0	
10633-	1555 000 44 - 1465 (004 H 14007	Z	5.89	67.32	16.77		130.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.83	67.02	16.45	0.46	130.0	± 9.6 %
		Y	5.83	67.17	16.59		130.0	
10634-	IEEE 902 11co W//Ci (90MH= MOCO	Z	5.76	66.93	16.40		130.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.80	67.01	16.50	0.46	130.0	±9.6 %
		Y	5.81	67.15	16.64		130.0	
10635-	IEEE 802.11ac WiFi (80MHz, MCS9,	Z	5.75	66.94	16.47		130.0	
AAA	90pc duty cycle)	X	5.71	66.44	15.97	0.46	130.0	± 9.6 %
		Y	5.72	66.63	16.15		130.0	
10636-	IEEE 1602.11ac WiFi (160MHz, MCS0,	Z	5.64	66.35	15.92		130.0	
AAA	90pc duty cycle)	X	6.12	67.11	16.48	0.46	130.0	± 9.6 %
		Y	6.13	67.25	16.62		130.0	
10637- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.09 6.30	67.07 67.52	16.46 16.67	0.46	130.0 130.0	± 9.6 %
	1	Y	6.31	67.68	16.81	·	120.0	
		z	6.26	67.49	16.65		130.0	
10638- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.30	67.50	16.63	0.46	130.0 130.0	± 9.6 %
		Y	6.31	67.65	16.78		120.0	
· · ·		Z	6.26	67.46			130.0	
	·		0.20	07.40	<u> 16.</u> 61		130.0	

10639- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3,	X	6.28	67.46	16.65	0.46	130.0	± 9.6 %
/V-V-1	90pc duty cycle)	Y	6.00	07.50	40.70		100.0	
		Z	6.28 6.23	67.59	16.79		130.0	
10640-	IEEE 1602.11ac WiFi (160MHz, MCS4,	X		67.38	16.62	0.40	130.0	
AAA	90pc duty cycle)		6.30	67.54	16.64	0.46	130.0	± 9.6 %
		Υ	6.31	67.70	16.79		130.0	
		Z	6.24	67.43	16.59		130.0	
10641- AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	Х	6.31	67.32	16.55	0.46	130.0	± 9.6 %
		Y	6.32	67.48	16.70		130.0	
		Z	6.28	67.31	16.54		130.0	
10642- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	Х	6.36	67.59	16.84	0.46	130.0	± 9.6 %
		Y	6.36	67.71	16.97		130.0	
		Z	6.31	67.52	16.81		130.0	
10643- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.20	67.31	16.61	0.46	130.0	± 9.6 %
		Y	6.21	67.47	16.77		130.0	
		Z	6.16	67.26	16.58		130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.42	67.97	16.97	0.46	130.0	± 9.6 %
		Ÿ	6.43	68.15	17.13		130.0	
		Z	6.34	67.82	16.88		130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	Х	6.93	69.02	17.44	0.46	130.0	± 9.6 %
		Y	6.97	69.27	17.65		130.0	
		Z	6.82	68.81	17.34		130.0	
10646- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	47.20	124.94	41.34	9.30	60.0	± 9.6 %
		Y	100.00	143.87	46.72		60.0	
		Z	42.87	123.31	40.85		60.0	
10647- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	Х	47.80	126.16	41.84	9.30	60.0	± 9.6 %
		Υ	100.00	144.94	47.17		60.0	
		Z	42.80	124.20	41.27	1	60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.75	63.57	11.13	0.00	150.0	± 9.6 %
		Y	0.80	64.99	12.02		150.0	
		Z	0.70	63.11	10.54		150.0	

^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





S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
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

Client

PC Test

Accreditation No.: SCS 0108

Certificate No: ES3-3318 Sep17

CALIBRATION CERTIFICATE

Object

ES3DV3 - SN:3318

Calibration procedure(s)

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

3 C 0 120 W

Calibration date:

September 22, 2017

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-17 (No. 217-02521/02522)	Apr-18
Power sensor NRP-Z91	SN: 103244	04-Apr-17 (No. 217-02521)	Apr-18
Power sensor NRP-Z91	SN: 103245	04-Apr-17 (No. 217-02525)	Apr-18
Reference 20 dB Attenuator	SN: S5277 (20x)	07-Apr-17 (No. 217-02528)	Apr-18
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check; Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-16)	In house check: Oct-17

Calibrated by:

Name

Function

Signatur

Approved by:

Katja Pokovic

Jeton Kastrati

Technical Manager

Laboratory Technician

Issued: September 22, 2017

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

Certificate No: ES3-3318_Sep17

Page 1 of 38

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

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 NORMx,y,z tissue simulating liquid sensitivity in free space

ConvF DCP

sensitivity in TSL / NORMx,y,z diode compression point

CF A, B, C, D crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

Polarization ω

φ rotation around probe axis

Polarization 9

9 rotation around an axis that is in the plane normal to probe axis (at measurement center),

i.e., 9 = 0 is normal to probe axis

Connector Angle

information used in 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 θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide).
 NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the 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).

Certificate No: ES3-3318_Sep17

Page 2 of 38

Probe ES3DV3

SN:3318

Manufactured:

January 10, 2012

Repaired:

September 18, 2017

Calibrated:

September 22, 2017

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3318

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ²) ^A	1.02	1.12	0.98	± 10.1 %
DCP (mV) ^B	103.7	104.0	102.5	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Unc ^E (k=2)
0	CW	Х	0.0	0.0	1.0	0.00	183.4	±3.5 %
		Υ	0.0	0.0	1.0		193.5	
		Z	0.0	0.0	1.0		183.0	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 ms.V ⁻²	T2 ms.V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
X	40.36	285.5	34.97	23.53	0.939	5.100	1.568	0.156	1.011
Y	40.15	284.7	34.96	25.8	1.330	5.092	1.283	0.265	1.008
Z	38.32	269.2	34.28	24.09	0.917	5.100	0.995	0.237	1.007

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%.

B Numerical linearization parameter: uncertainty not required.

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3318

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	6.72	6.72	6.72	0.80	1.15	± 12.0 %
835	41.5	0.90	6.42	6.42	6.42	0.71	1.26	± 12.0 %
1750	40.1	1.37	5.50	5.50	5.50	0.49	1.50	± 12.0 %
1900	40.0	1.40	5.31	5.31	5.31	0.65	1.29	± 12.0 %
2300	39.5	1.67	4.96	4.96	4.96	0.72	1.27	± 12.0 %
2450	39.2	1.80	4.71	4.71	4.71	0.77	1.26	± 12.0 %
2600	39.0	1.96	4.58	4.58	4.58	0.75	1.32	± 12.0 %

 $^{^{\}rm C}$ 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. Above 5 GHz frequency validity can be extended to \pm 110 MHz.

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.

the ConvF uncertainty for indicated target tissue parameters.

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

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3318

Calibration Parameter Determined in Body Tissue Simulating Media

		•		-						
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)		
750	55.5	0.96	6.46	6.46	6.46	0.80	1.21	± 12.0 %		
835	55.2	0.97	6.32	6.32	6.32	0.80	1.20	± 12.0 %		
1750	53.4	1.49	5.18	5.18	5.18	0.65	1.36	± 12.0 %		
1900	53.3	1.52	4.96	4.96	4.96	0.57	1.49	± 12.0 %		
2300_	52.9	1.81	4.71	4.71	4.71	0.73	1.33	± 12.0 %		
2450	52.7	1.95	4.55	4.55	4.55	0.80	1.12	± 12.0 %		
2600	52.5	2.16	4.34	4.34	4.34	0.80	1.13	± 12.0 %		

 $^{^{\}rm C}$ 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. Above 5 GHz frequency validity can be extended to \pm 110 MHz.

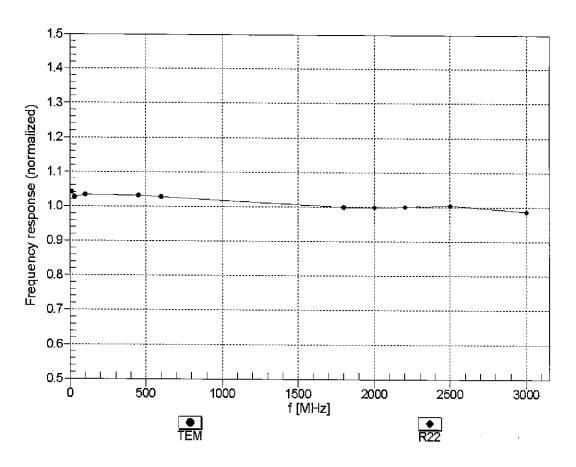
validity can be extended to ± 110 MHz.

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.

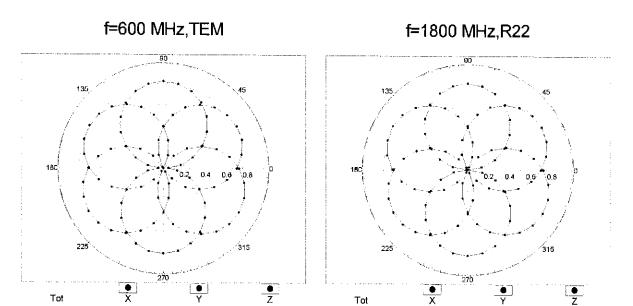
Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

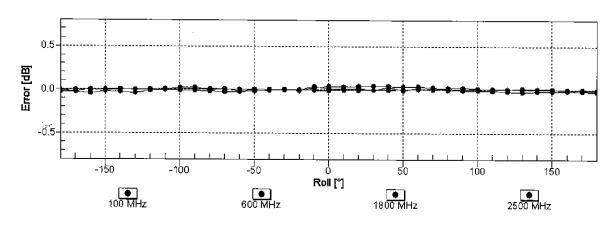
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

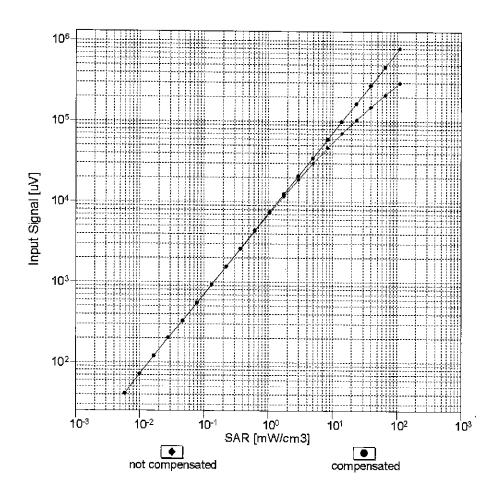
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

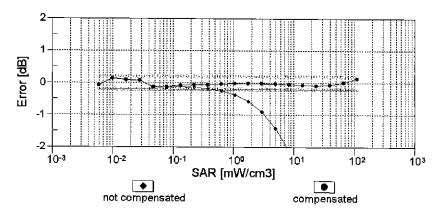




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

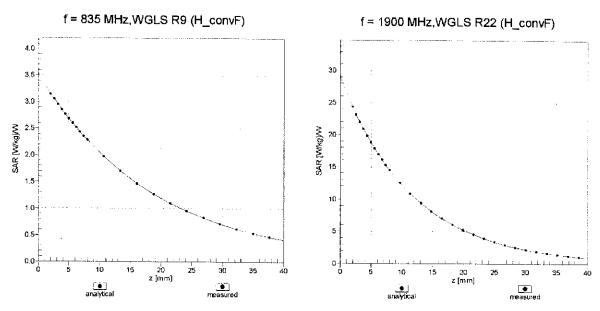
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



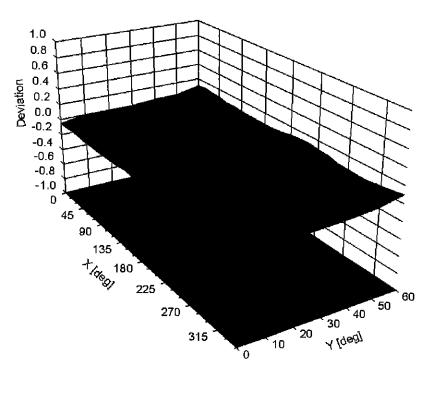


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



Deviation from Isotropy in Liquid Error (φ, θ), f = 900 MHz



ES3DV3-SN:3318

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3318

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	80.2
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

Certificate No: ES3-3318_Sep17

Appendix: Modulation Calibration Parameters

UID	lix: Modulation Calibration Para Communication System Name		A dB	B dBõV	C	D dB	VR mV	Max Unc ^E
0	CW	X	0.00	0.00	1.00	0.00	183.4	(k=2)
		Ŷ	0.00	0.00	1.00	0.00	193.5	± 3.5 %
		Z	0.00	0.00	1.00		183.0	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	X	100.00	113.13	27.11	10.00	25.0	± 9.6 %
		Υ	56.27	106.32	26.04		25.0	
40011		Z	48.42	102.92	24.36		25.0	
10011- CAB	UMTS-FDD (WCDMA)	X	2.66	86.53	24.90	0.00	150.0	± 9.6 %
	-	Y	1.68	77.14	20.67		150.0	
10012-	JEEE 902 446 W/E: 2 4 OU- /D000 4	Z	1.29	72.20	18.01		150.0	
CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.46	68.78	18.94	0.41	150.0	±9.6 %
		Y	1.42	67.66	17.93		150.0	
10013-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	1.34	66.38	16.88	4.1-	150.0	
CAB	OFDM, 6 Mbps)		5.02	68.02	18.09	1.46	150.0	± 9.6 %
	 	Y	5.02	67.88	17.89		150.0	
10021-	GSM-FDD (TDMA, GMSK)	Z	4.94	67.70	17.67	0.00	150.0	
DAC	GSWI-FDD (TDIVIA, GWSK)		100.00	121.76	31.97	9.39	50.0	± 9.6 %
	 	Y	100.00	121.57	32.33		50.0	
10023-	GPRS-FDD (TDMA, GMSK, TN 0)	Z	100.00	120.24	31.25		50.0	
DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	100.00	121.43	31.86	9.57	50.0	± 9.6 %
		Y Y	100.00	121.34	32.26		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	Z X	100.00 100.00	119.95 120.99	31.15 30.63	6.56	50.0 60.0	± 9.6 %
		Y	100.00	119.61	30.34		60.0	
		Ż	100.00	118.45	29.44		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	27.34	129.78	51.29	12.57	50.0	± 9.6 %
		Y	16.72	108.51	42.49		50.0	
		Z	41.36	141.52	54.29	-	50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	Х	51.11	136.85	47.83	9.56	60.0	± 9.6 %
		_ Y	25.23	114.58	40.30		60.0	
		Z	34.77	125.06	43.92		60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	123.21	30.86	4.80	80.0	± 9.6 %
		Y	100.00	120.40	29.90		80.0	
40000	ODDO FOR (TTILL)	Z	100.00	119.24	29.05		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	×	100.00	127.88	32.20	3.55	100.0	± 9.6 %
		Y	100.00	123.11	30.36		100.0	
40000	EDOE EDD /TDMA ODOI/ THEO 4 O	Z	100.00	121.73	29.45		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	16.47	106.41	37.26	7.80	80.0	± 9.6 %
 -		Z	13.16	98.31	33.75		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	13.79 100.00	100.84 120.38	34.87 29.87	5.30	80.0 70.0	± 9.6 %
		Y	100.00	118.42	29.28		70.0	
		ż	100.00	117.17	28.39		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	140.58	36.01	1.88	100.0	± 9.6 %
		Υ	100.00	129.80	31.70		100.0	
-		Z	100.00	126.35	29.95		100.0	

40000				1				
10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	168.14	46.04	1.17	100.0	± 9.6 %
		Υ	100.00	146.16	37.32		100.0	
		Z	100.00	139.03	34.08		100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	100.00	128.00	34.78	5.30	70.0	± 9.6 %
		Υ	100.00	125.47	33.78		70.0	
		Z	100.00	124.94	33.27		70.0	-
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Х	100.00	127.76	32.85	1.88	100.0	± 9.6 %
		Υ	100.00	124.38	31.40		100.0	
		Z	100.00	122.39	30.30		100.0	
10035- _CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	100.00	129.00	32.88	1.17	100.0	± 9.6 %
		Υ	100.00	125.22	31.24		100.0	
		Z	42.89	111.69	27.45		100.0	
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Х	100.00	128.35	34.94	5.30	70.0	± 9.6 %
		Υ	100.00	125.78	33.93		70.0	
		Z	100.00	125.27	33.42		70.0	
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	100.00	127.83	32.85	1.88	100.0	± 9.6 %
		Υ	100.00	124.40	31.38		100.0	
		Z	100.00	122.41	30.28		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Х	100.00	129.90	33.29	1.17	100.0	± 9.6 %
		Y	100.00	126.04	31.61		100.0	
		Z	46.73	113.50	28.05		100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	Х	100.00	131.54	33.19	0.00	150.0	± 9.6 %
		Υ	52.05	119.24	29.67	· ·	150.0	-
		Z	3.76	82.84	19.15		150.0	-
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	Х	100.00	118.03	29.44	7.78	50.0	± 9.6 %
		Y	100.00	117.44	29.54		50.0	
		Z	100.00	116.07	28.52		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	Х	0.01	105.46	9.85	0.00	150.0	± 9.6 %
		Υ	0.03	60.00	39.49		150.0	
		Z	0.02	60.00	28.89	_	150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	100.00	123.25	33.96	13.80	25.0	± 9.6 %
_		Y	100.00	123.00	34.45		25.0	
		Ž	100.00	122.08	33.38		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	Х	100.00	121.02	31.95	10.79	40.0	± 9.6 %
		Υ	100.00	121.43	32.63		40.0	·
		Z	100.00	119.80	31.36	i	40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	126.02	35.11	9.03	50.0	± 9.6 %
		Y	69.75	118.57	33.24		50.0	
							50.0	
		Z	100.00	124.37	34.25	1	30.0	
10058- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	Z	9.73	93.83	32.07	6.55	100.0	± 9.6 %
	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	Z X Y	9.73 8.94	93.83		6.55		± 9.6 %
DAC		X Y Z	9.73	93.83	32.07	6.55	100.0	± 9.6 %
	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X Y Z X	9.73 8.94	93.83	32.07 29.98	6.55 0.61	100.0	± 9.6 %
DAC 10059-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2	X Y Z X	9.73 8.94 8.70	93.83 89.89 90.23	32.07 29.98 30.24		100.0 100.0 100.0 110.0	
10059- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	Z X Y Z X	9.73 8.94 8.70 1.70	93.83 89.89 90.23 72.06	32.07 29.98 30.24 20.55		100.0 100.0 100.0 110.0	
DAC 10059-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2	X Y Z X	9.73 8.94 8.70 1.70	93.83 89.89 90.23 72.06	32.07 29.98 30.24 20.55		100.0 100.0 100.0 110.0	
10059- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5	Z X Y Z X	9.73 8.94 8.70 1.70 1.64 1.50	93.83 89.89 90.23 72.06 70.58 68.77	32.07 29.98 30.24 20.55 19.34 18.10	0.61	100.0 100.0 100.0 110.0 110.0	± 9.6 %

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	Х	100.00	146.12	41.94	2.04	110.0	± 9.6 %
		Y	100.00	141.22	39.79		110.0	
		Z	39.08	124.31	35.57	-	110.0	-
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	Х	4.78	67.89	17.44	0.49	100.0	± 9.6 %
		Υ	4.76	67.70	17.22		100.0	
		Z	4.68	67.49	16.96		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	Х	4.81	68.05	17.58	0.72	100.0	± 9.6 %
		Υ	4.79	67.86	17.35		100.0	
		Z	4.71	67.65	17.10		100.0	
10064- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.07	68.24	17.76	0.86	100.0	± 9.6 %
		<u> </u>	5.05	68.06	17.55		100.0	
		Z	4.97	67.86	17.30		100.0	
10065- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.97	68.22	17.93	1.21	100.0	± 9.6 %
	<u>.</u>	Y	4.96	68.06	17.72		100.0	
		Z	4.87	67.84	17.47		100.0	
10066- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	Х	5.00	68.29	18.13	1.46	100.0	± 9.6 %
		Υ	5.00	68.14	17.92		100.0	
		Z	4.91	67.92	17.68		100.0	
10067- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	Х	5.32	68.56	18.62	2.04	100.0	±9.6 %
		Y	5.32	68.43	18.41		100.0	
		Z	5.23	68.26	18.21		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	Х	5.38	68.60	18.85	2.55	100.0	± 9.6 %
		Y	5.39	68.49	18.65		100.0	
		Z	5.29	68.30	18.45		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	Х	5.45	68.63	19.05	2.67	100.0	± 9.6 %
		Y	5.47	68.52	18.85		100.0	
		Z	5.37	68.35	18.66		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	Х	5.14	68.16	18.43	1.99	100.0	± 9.6 %
		Y	5.15	68.05	18.24	_	100.0	
		Z	5.06	67.88	18.03		100.0	
10072- CAB	EEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.16	68.64	18.75	2.30	100.0	±9.6 %
		Y	5.17	68.53	18.56		100.0	
		Z	5.08	68.32	18.34		100.0	
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	Х	5.27	68.97	19.18	2.83	100.0	± 9.6 %
		Υ	5.29	68.88	18.98		100.0	
		Ζ	5.19	68.68	18.77		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	Х	5.29	68.99	19.39	3.30	100.0	± 9.6 %
		Υ	5.33	68.94	19.20		100.0	
		Z	5.23	68.74	19.00		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	Х	5.36	69.20	19.76	3.82	90.0	± 9.6 %
	-	Υ	5.42	69.18	19.58		90.0	
40050		Z	5.30	68.95	19.38		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.40	69.06	19.93	4.15	90.0	± 9.6 %
		Y	5.47	69.07	19.76		90.0	
100==		Z	5.35	68.86	19.58		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.44	69.18	20.05	4.30	90.0	± 9.6 %
		Υ	5.51	69.19	19.88		90.0	
		Z	5.40	68.99	19.71		90.0	

10081- CAB	CDMA2000 (1xRTT, RC3)	X	100.00	135.94	34.03	0.00	150.0	± 9.6 %
		Υ	4.36	89.76	21.79		150.0	_
		Z	1.23	72.30	14.98		150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	X	1.46	62.74	7.36	4.77	80.0	± 9.6 %
		Y	1.67	63.13	7.83		80.0	
		Z	1.40	62.09	6.92		80.0	
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	121.01	30.66	6.56	60.0	± 9.6 %
		Y	100.00	119.66	30.39		60.0	
10007	111/70 500 (110000)	Z	100.00	118.49	29.48		60.0	
10097- CAB	UMTS-FDD (HSDPA)	Х	2.68	75.81	20.12	0.00	150.0	± 9.6 %
		Y	2.34	73.02	18.58		150.0	
40000	LIMTO EDD (HOURA Out to al O)	Z	2.07	70.78	17.18		150.0	
10098- CAB	UMTS-FDD (HSUPA, Subtest 2)	X	2.65	75.95	20.19	0.00	150.0	± 9.6 %
		Y	2.30	73.06	18.61		150.0	
10000	EDGE EDD (TDMA OBOX THE O	Z	2.03	70.77	17.19		150.0	
10099- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	51.37	136.92	47.83	9.56	60.0	± 9.6 %
		Y	25.26	114.55	40.28		60.0	
10100	LTE EDD (DC EDMA 4000) ED CO	Z	34.93	125.12	43.92	L	60.0	
10100- CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	Х	3.91	75.35	19.66	0.00	150.0	± 9.6 %
		Υ	3.58	73.57	18.67		150.0	
40404	LTE EDD (00 ED) (0 0) (0 0) (0 0 ED) (0	Z	3.29	72.01	17.75		150.0	
10101- CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.50	69.80	17.58	0.00	150.0	± 9.6 %
		Y	3.39	69.08	17.05		150.0	
		Z	3.27	68.42	16.53		150.0	
10102- CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.58	69.60	17.56	0.00	150.0	± 9.6 %
		Y	3.49	68.97	17.09		150.0	
		Z	3.37	68.35	16.58		150.0	
10103- CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	10,46	84.85	24.49	3.98	65.0	± 9.6 %
		Υ	9.76	82.69	23.44		65.0	
		Z	9.49	82.61	23.35		65.0	
10104- 1 CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.62	79.80	23.37	3.98	65.0	± 9.6 %
		Υ	8.54	78.80	22.69		65.0	
		Z	8.26	78.63	22.58		65.0	
10105- CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	Х	8.48	79.41	23.51	3.98	65.0	± 9.6 %
		Υ_	7.84	77.04	22.24		65.0	
40455		Z	7.95	77.81	22.54		65.0	
10108- CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	3.42	74.91	19.71	0.00	150.0	± 9.6 %
		Y	3.13	73.04	18.65		150.0	
40400	LITE EDD (OO ED)	Z	2.86	71.41	17.66	<u> </u>	150.0	
10109- CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	Х	3.19	70.21	17.75	0.00	150.0	± 9.6 %
		Y	3.07	69.34	17.14		150.0	
40442	LITE EDD (OD =====	Z	2.93	68.52	16.50		150.0	
10110- CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	Х	2.94	75.32	19.95	0.00	150.0	± 9.6 %
		Υ	2.62	72.92	18.60	<u> </u>	150.0	
40.4		Z	2.34	70.98	17.41		150.0	
10111- CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	Х	3.13	72.86	18.80	0.00	150.0	± 9.6 %
		Υ	2.95	71.56	17.99		150.0	
		Z	2.72	70.10	16.99		150.0	

10112- CAE	LTE-FDD (SC-FDMA, 100% RB, 10	Х	3.29	70.03	17.69	0.00	150.0	± 9.6 %
	MHz, 64-QAM)		0.40				<u> </u>	<u> </u>
		Y	3.18	69.26	17.13		150.0	
10113-	LTE-FDD (SC-FDMA, 100% RB, 5 MHz.	Z X	3.05	68.50	16.53		150.0	
CAE	64-QAM)		3.26	72.71	18.75	0.00	150.0	± 9.6 %
	 		3.09	71.55	18.02		150.0	
10114-	IFFE 802 44- /UT 0 5-11 40 5	Z	2.86	70.17	17.07		150.0	
CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	Х	5.20	68.15	17.23	0.00	150.0	± 9.6 %
		Y	5.17	67.92	17.01		150.0	
10115-	IEEE 802.11n (HT Greenfield, 81 Mbps,	Z	5.08	67.68	16.75		150.0	
CAB	16-QAM)	X	5.45	68.16	17.22	0.00	150.0	± 9.6 %
		Y Z	5.42	67.95	17.02		150.0	
10116-	IEEE 802.11n (HT Greenfield, 135 Mbps,	X	5.33	67.74	16.77		150.0	
CAB	64-QAM)		5.30	68.36	17.26	0.00	150.0	± 9.6 %
		Y	5.26	68.13	17.04		150.0	
10117-	IEEE 802.11n (HT Mixed, 13.5 Mbps,	Z	5.17	67.89	16.78	0.00	150.0	
CAB	BPSK)	Х	5.18	68.04	17.19	0.00	150.0	± 9.6 %
	-	Y	5.14	67.83	16.98		150.0	
10118-	AFFE 000 dd- /HT M' - 1 04 MI - 40	Z	5.07	67.63	16.74		150.0	
CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	X	5.54	68.41	17.35	0.00	150.0	± 9.6 %
		Y	5.51	68.19	17.14		150.0	
10110	IEEE 000 44- (HT Missel 405 MI) 04	Z	5.41	67.95	16.89		150.0	
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.29	68.34	17.26	0.00	150.0	± 9.6 %
		Υ_	5.25	68.12	17.04		150.0	
10410		Z	5.16	67.88	16.78		150.0	
10140- CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	Х	3.61	69.64	17.49	0.00	150.0	± 9.6 %
		Υ	3.52	68.99	17.00		150.0	
10111		Z	3.39	68.38	16.51		150.0	
10141- CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.73	69.64	17.59	0.00	150.0	± 9.6 %
		Y	3.64	69.06	17.15		150.0	
	·	Z	3.51	68.48	16.66		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	Х	3.10	78.13	20.64	0.00	150.0	± 9.6 %
		Υ	2.57	74.51	18.81		150.0	
10110		Z	2.18	71.67	17.19		150.0	
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	Х	3.55	76.59	19.53	0.00	150.0	± 9.6 %
		4	3.13	74.18	18.27		150.0	
4044	1 TF FDD (00 =================================	Z	2.68	71.54	16.74		150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.79	71.64 	16.81	0.00	150.0	± 9.6 %
		7	2.50	69.67	15.66		150.0	
101:-		Z	2.26	68.10	14.57		150.0	
10145- CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	3.29	79.35	17.65	0.00	150.0	± 9.6 %
		Υ	1.58	69.65	13.52		150.0	
		Z	1,10	65.19	10.91		150.0	
10146- CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	10.51	86.51	18.78	0.00	150.0	± 9.6 %
		_<	2.34	69.06	12.29		150.0	
10		Z	1.46	64.05	9.40		150.0	
10147- CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	100.00	112.53	25.58	0.00	150.0	± 9.6 %
		Y	3.94	74.93	14.77		150.0	
		Z	1.65	65.37	10.17		150.0	İ

10149-	LTE-FDD (SC-FDMA, 50% RB, 20 MHz,	ТХ	3.20	70.28	17.80	0.00	150.0	± 9.6 %
CAD	16-QAM)					0.00		2 3.0 /0
		Y	3.08	69.42	17.19		150.0	
40450	177.577.40	Z	2.94	68.59	16.55		150.0	
10150- CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	3.30	70.10	17.74	0.00	150.0	± 9.6 %
		Υ	3.19	69.33	17.18		150.0	
		Z	3.06	68.56	16.57		150.0	
10151- CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	Х	12.94	90.52	26.60	3.98	65.0	± 9.6 %
L		Υ	11.63	87.44	25.23		65.0	
		Z	11.21	87.22	25.07		65.0	
10152- CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	Х	8.51	80.82	23.41	3.98	65.0	± 9.6 %
		Y	8.31	79.48	22.59		65.0	
-		Z	8.01	79.28	22.44		65.0	
10153- CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	9.02	81.90	24.19	3.98	65.0	± 9.6 %
		Υ	8.86	80.67	23.43		65.0	
		Z	8.54	80.43	23.26		65.0	
10154- CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	3.03	75.93	20.26	0.00	150.0	± 9.6 %
		Υ	2.70	73.52	18.93	<u> </u>	150.0	
		Ž	2.40	71.40	17.66		150.0	
10155- CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	Х	3.14	72.90	18.83	0.00	150.0	± 9.6 %
		Y	2.95	71.60	18.01		150.0	
		Z	2.72	70.14	17.02		150.0	
10156- CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	3.42	81.12	21.46	0.00	150.0	± 9.6 %
		Υ	2.60	76.04	19.11		150.0	
		Ż	2.06	72.15	17.02		150.0	
10157- CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	3.03	74.63	17.79	0.00	150.0	± 9.6 %
		Y	2.53	71.54	16.20		150.0	
		Z	2.15	69.02	14.66	<u> </u>	150.0	
10158- CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	3.27	72.81	18.82	0.00	150.0	± 9.6 %
		Υ	3.10	71.66	18.08		150.0	
		ż	2.87	70.26	17.13		150.0	
10159- °	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	3.21	75.21	18.07	0.00	150.0	± 9.6 %
_		Y	2.69	72.18	16.53		150.0	
		Z	2.25	69.45	14.90		150.0	-
10160- CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	3.31	73.32	19.12	0.00	150.0	± 9.6 %
		Υ	3.09	71.84	18.22		150.0	-
		Ż	2.86	70.49	17.35		150.0	
10161- CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.21	70.26	17.75	0.00	150.0	± 9.6 %
		Υ	3.10	69.43	17.16	_	150.0	
		Z	2.95	68.59	16.50	_	150.0	
10162- CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.33	70.39	17.83	0.00	150.0	± 9.6 %
		Y	3.21	69.59	17.26	 	150.0	
		Z	3.06	68.78	16.62	-	150.0	
10166- CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.94	73.38	21.77	3.01	150.0	± 9.6 %
		Y	3.79	72.11	20.84		150.0	
		Z	3.50	70.74	19.96		150.0	
_		. – 1	5.55					
10167- CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	Х	5.65	79.78	23.51	3.01	150.0	± 9.6 %
	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.65 5.10	79.78 77.08	23.51	3.01	150.0 150.0	± 9.6 %

CAE 84-QAM) Y 6.02 80.78 23.93 155.0 0 I0169- LTE-FDD (SC-FDMA, 1 RB, 20 MHz, OPSK) Y 3.23 71.75 20.78 150.0 15									
TE-FDD (SC-FDMA, 1 R6, 20 MHz, PSK)	10168- CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)			83.76	25.44	3.01	150.0	±9.6 %
10169- LTE-FDD (SC-FDMA, 1 RB, 20 MHz, CAD Y 3.23								150.0	
CAD OPSK) VY 3.23 71.75 20.78 150.0 ITE-FDD (SC-FDMA, 1 RB, 20 MHz, X 6.39 68.73 19.58 150.0 101710- LTE-FDD (SC-FDMA, 1 RB, 20 MHz, X 6.39 68.84 27.07 3.01 150.0 ±9.61 101721- LTE-FDD (SC-FDMA, 1 RB, 20 MHz, X 6.89 78.88 23.25 3.01 150.0 ±9.61 101731- LTE-FDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 146.59 45.53 6.02 65.0 ±9.61 101732- LTE-TDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 146.59 45.53 6.02 65.0 ±9.61 101733- LTE-TDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 139.26 40.09 6.02 65.0 ±9.61 10174- LTE-TDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 139.26 40.09 6.02 65.0 ±9.61 10174- LTE-TDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 139.26 40.09 6.02 65.0 ±9.61 10174- LTE-TDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 139.39 38.85 6.02 65.0 ±9.61 10174- LTE-TDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 139.39 38.85 6.02 65.0 ±9.61 10175- LTE-TDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 139.39 38.85 6.02 65.0 ±9.61 10176- LTE-FDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 139.39 38.85 6.02 65.0 ±9.61 101775- LTE-FDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 139.39 38.85 6.02 65.0 ±9.61 10176- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 100.00 139.39 38.85 6.02 65.0 ±9.61 10176- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 3.32 73.00 21.69 3.01 150.0 ±9.61 10176- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 100.00 139.39 30.01 150.0 ±9.61 101776- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 100.00 139.39 30.01 150.0 ±9.61 101776- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 100.00 139.39 30.01 150.0 ±9.61 101776- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 100.00 139.39 30.01 150.0 ±9.61 101776- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- X 6.32 86.56 26.94 3.01 150.0 ±9.61 101776- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- X 6.83 98.60 22.95 3.01 150.0 ±9.61 10178- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- X 6.83 98.60 22.95 3.01 150.0 ±9.61 10178- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- X 6.83 98.60 22.95 3.01 150.0 ±9.61 10178- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- X 6.83 98.60 22.95 3.01 150.0 ±9.61 10178- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- X 6.83 98.60 22.95 3.01 150.0 ±9.61 10178- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- X 6.83 98.60 22.95 3.01 150.0 ±9.61 1018	40400				77.58	22.39		150.0	
10170- LTE-FDD (SC-FDMA, 1 RB, 20 MHz, X 6.39 86.84 27.07 3.01 150.0 ±9.61			_			21.96	3.01	150.0	± 9.6 %
TITE-FDD (SC-FDMA, 1 RB, 20 MHz, CAD)				3.23	71.75	20.78		150.0	· -
10170- LTE-FDD (SC-FDMA, 1 RB, 20 MHz, X 6.39 86.84 27.07 3.01 150.0 2.9.61			Z	2.89	69.73				
Title-FDD (SC-FDMA, 1 RB, 20 MHz, ADD Fig. Fi							3.01		± 9.6 %
Total			Y	5.38	82.06	24.76		150.0	
10171-			Z	4.13					
10172- CAD CA			Х				3.01		± 9.6 %
10172- CAD OPSIK X 100.00 146.59 45.53 6.02 65.0 ± 9.61				4.06	75.75	21.17		150.0	
10172- CAD OPSK Y 40.14 123.32 38.78 65.0 ±9.6 10173- CAD 16-QAM Y 40.14 123.32 38.78 65.0 ±9.6 10173- 16-QAM Y 100.00 132.71 38.54 65.0 ±9.6 10174- CAD 64-QAM Y 100.00 132.71 38.54 65.0 ±9.6 10174- CAD 64-QAM Y 100.00 133.96 38.85 65.0 ±9.6 10174- CAD 64-QAM Y 100.00 133.98 38.85 65.0 ±9.6 10175- CAD 64-QAM Y 100.00 133.98 38.85 65.0 ±9.6 10176- CAD CA			Z	3.35	72.68				
TE-FDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 136.26 40.09 6.02 65.0 ±9.6 16-QAM)	—		X	100.00			6.02		± 9.6 %
TE-FDD (SC-FDMA, 1 RB, 20 MHz, X 100.00 136.26 40.09 6.02 65.0 ±9.6			Y	40.14	123.32	38.78		65.0	
10173- LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 20 MHz, 16-QAM)			Z						
Tend			Х				6.02		± 9.6 %
10174- LTE-FDD (SC-FDMA, 1 RB, 20 MHz, Y 100.00 133.98 38.85 6.02 65.0 ± 9.6 (64-QAM) Y 100.00 130.98 37.56 65.0 ± 9.6 (65.0 10175- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 3.32 73.00 21.69 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 3.19 71.38 20.50 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 6.41 86.88 27.08 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 6.41 86.88 27.08 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, X 3.35 73.17 21.78 3.01 150.0 ± 9.6 (65.0 10177- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, X 3.35 73.17 21.78 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, X 3.35 73.17 21.78 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- X 6.32 86.56 26.94 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- X 6.32 86.56 26.94 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- X 6.32 86.56 26.94 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 10 MHz, X 5.51 83.28 25.09 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- X 4.68 79.60 23.20 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- X 4.68 79.60 23.20 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 15 MHz, X 3.35 73.15 21.78 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 15 MHz, X 4.68 79.60 23.20 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 15 MHz, X 4.68 79.60 23.19 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 15 MHz, X 4.68 79.56 23.19 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 15 MHz, X 4.68 79.56 23.19 3.01 150.0 ± 9.6 (65.0 10176- LTE-FDD (SC-FDMA, 1 RB, 15 MHz, X 4.66 79.56					132.71	38.54		65.0	
10174- LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)			Z	100.00	133.96				
Total			Х	100.00			6.02		± 9.6 %
Total			Y	100.00	130.96	37.56		65.0	
10175- CAE OPSK			Z						·
Total							3.01		± 9.6 %
Total			Y	3.19	71.38	20.50		150.0	
10176-CAE	<u>-</u>								
Total			_				3.01		± 9.6 %
Total		-	Υ	5.39	82.10	24 78		150.0	· -
10177- LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)									
Total							3.01		± 9.6 %
Total			Y	3.21	71.55	20.60		150.0	
10178-CAE QAM)			_				_		
Te-fdd T					_		3.01		± 9.6 %
Te-fdd Capacitation Test			Y	5.33	81.82	24.65		150.0	
10179- CAE 64-QAM) Y 4.67 78.80 22.85 150.0 Z 3.72 74.89 21.01 150.0 LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM) Y 4.04 75.67 21.12 150.0 LTE-FDD (SC-FDMA, 1 RB, 15 MHz, ADDAM) Y 4.04 75.67 21.12 150.0 LTE-FDD (SC-FDMA, 1 RB, 15 MHz, ADDAM) Y 4.04 75.67 21.12 150.0 Z 3.35 72.63 19.61 150.0 LTE-FDD (SC-FDMA, 1 RB, 15 MHz, ADDAM) Y 3.21 71.53 20.59 150.0 Z 2.87 69.57 19.42 150.0 LTE-FDD (SC-FDMA, 1 RB, 15 MHz, ADDAM) LTE-FDD (SC-FDMA, 1 RB, 15 MHz, ADDAM) Y 5.32 81.78 24.63 150.0 LTE-FDD (SC-FDMA, 1 RB, 15 MHz, ADDAM) Y 5.32 81.78 24.63 150.0 LTE-FDD (SC-FDMA, 1 RB, 15 MHz, ADDAM) Y 5.32 81.78 24.63 150.0 LTE-FDD (SC-FDMA, 1 RB, 15 MHz, ADDAM) Y 4.04 75.64 21.10 150.0 LTE-FDD (SC-FDMA, 1 RB, 15 MHz, ADDAM) Y 4.04 75.64 21.10 150.0			Z						
Total Tota							3.01		± 9.6 %
Te-fdd (SC-fdma, 1 RB, 5 MHz, 64-QAM) Te-fdd (SC-fdma, 1 RB, 15 MHz, 64-QA				4.67	78.80	22.85	•	150.0	
10180- CAE QAM) TE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)			Z					150.0	
Terpo (SC-FDMA, 1 RB, 15 MHz, CAD CAD			Х	4.68		23.20	3.01		± 9.6 %
Terpo				4.04	75.67	21.12		150.0	
10181- CAD QPSK) Y 3.21 71.53 20.59 150.0 Z 2.87 69.57 19.42 150.0 10182- CAD 16-QAM) Y 5.32 81.78 24.63 150.0 Y 5.32 81.78 24.63 150.0 Z 4.10 77.02 22.48 150.0 LTE-FDD (SC-FDMA, 1 RB, 15 MHz, X 4.66 79.56 23.19 3.01 150.0 ± 9.6 ° CAD 150.0 Y 4.04 75.64 21.10 150.0			Z	3.35				150.0	
Z 2.87 69.57 19.42 150.0			Х	3.35	73.15		3.01		± 9.6 %
Z 2.87 69.57 19.42 150.0			Y	3.21	71.53	20.59		150.0	
10182- CAD LTE-FDD (SC-FDMA, 1 RB, 15 MHz, CAD 16-QAM) Y 5.32 81.78 24.63 150.0 Z 4.10 77.02 22.48 150.0 10183- AAC 64-QAM) Y 4.04 75.64 21.10 150.0			Z						
Z 4.10 77.02 22.48 150.0 10183- AAC 64-QAM Y 4.04 75.64 21.10 150.0 150.0			X				3.01		± 9.6 %
Z 4.10 77.02 22.48 150.0 10183- AAC 64-QAM Y 4.04 75.64 21.10 150.0 150.0			Y	5.32	81.78	24.63		150.0	
10183- LTE-FDD (SC-FDMA, 1 RB, 15 MHz, AC 64-QAM) X 4.66 79.56 23.19 3.01 150.0 ± 9.6 9 1 150.0 150.0									
Y 4.04 75.64 21.10 150.0							3.01		± 9.6 %
			Y	4.04	75 64	21 10		150.0	
Z 3.34 72.61 19.60 150.0			Ż	3.34	72.61	19.60			-

10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	Х	3.36	73.20	21.80	3.01	150.0	± 9.6 %
		Υ	3.22	71.58	20.61		150.0	_
<u> </u>	<u>.</u>	Z	2.88	69.61	19.44		150.0	
10185- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	6.35	86.64	26.98	3.01	150.0	± 9.6 %
		Y	5.35	81.89	24.68		150.0	
<u> </u>		Z	4.12	77.10	22.52		150.0	
10186- AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	Х	4.70	79.67	23.24	3.01	150.0	± 9.6 %
		Υ	4.06	75.73	21.14		150.0	
40407		Z	3.36	72.68	19.63		150.0	
10187- CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.37	73.27	21.88	3.01	150.0	± 9.6 %
		Y	3.23	71.66	20.69		150.0	
40400	LTE EDD (OO ED) (CONT.)	Z	2.89	69.68	19.51		150.0	
10188- CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	6.67	87.77	27.49	3.01	150.0	± 9.6 %
		Υ	5.59	82.87	25.16		150.0	
40400	LTE EDD (OO ED)	Z	4.25	77.76	22.89		150.0	
10189- AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	4.86	80.38	23.61	3.01	150.0	± 9.6 %
		Ÿ	4.18	76.34	21.49		150.0	
10100		Z	3.43	73.12	19.92		150.0	
10193- CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	Х	4.60	67.78	17.00	0.00	150.0	± 9.6 %
		Υ	4.56	67.53	16.75		150.0	
		Z	4.48	67.31	16.48		150.0	
10194- CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	Х	4.76	68.05	17.13	0.00	150.0	± 9.6 %
		Y	4.72	67.80	16.88		150.0	
		Z	4.63	67.57	16.61		150.0	
10195- CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.80	68.07	17.14	0.00	150.0	± 9.6 %
	<u> </u>	Υ	4.75	67.82	16.90	, i	150.0	_
		Z	4.67	67.59	16.62		150.0	
10196- CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.59	67.81	17.01	0.00	150.0	± 9.6 %
		Υ	4.55	67.56	16.76		150.0	
		Z	4.47	67.33	16.48		150.0	_
10197- ** CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	Х	4.77	68.06	17.13	0.00	150.0	± 9.6 %
		Υ	4.73	67.81	16.89		150.0	_
		Z	4 .64	67.58	16.62		150.0	
10198- CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)	Х	4.79	68.08	17.15	0.00	150.0	± 9.6 %
		Υ	4.75	67.83	16.90		150.0	
		Z	4.66	67.60	16.63		150.0	
10219- CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.55	67.87	16.99	0.00	150.0	± 9.6 %
		Υ	4.51	67.61	16.74		150.0	
		Z	4.43	67.37	16.45		150.0	
10220- CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.76	68.02	17.12	0.00	150.0	± 9.6 %
		Υ	4.72	67.77	16.87		150.0	
1		Z	4.63	67.54	16.60		150.0	
10221- CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	X	4.80	67.99	17.12	0.00	150.0	± 9.6 %
		Υ	4.76	67.75	16.88	,	150.0	
<u> </u>		Z	4.68	67.53	16.61		150.0	
10222- CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	Х	5.15	68.03	17.18	0.00	150.0	± 9.6 %
		Υ	5.11	67.81	16.96	-	150.0	
		Z	5.04	67.60	16.72		150.0	

10223- CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16-	Х	5.44	68.23	17.28	0.00	150.0	± 9.6 %
CAB	QAM)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	5.40					
	<u> </u>	Y	5.40	68.03	17.07		150.0	<u> </u>
10224-	IEEE 802.11n (HT Mixed, 150 Mbps, 64-	X	5.32	67.81	16.83		150.0	ļ
CAB	QAM)		5.20	68.15	17.16	0.00	150.0	± 9.6 %
		Y	5.16	67.93	16.95		150.0	
10005	LIMATO EDD (LIODA)	Z	5.08	67.72	16.70		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	3.00	68.59	16.83	0.00	150.0	± 9.6 %
		Υ	2.92	67.92	16.31		150.0	
40000	LITE TOP (00 FEEL)	Z	2.80	67.25	15.70		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	100.00	136.47	40.23	6.02	65.0	± 9.6 %
		Υ	_100.00	132.93	38.68		65.0	
		Z	100.00	134.18	38.99		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	100.00	133.67	38.75	6.02	65.0	± 9.6 %
		Υ	100.00	130.47	37.37		65.0	
		Z	100.00	131.50	37.57		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	100.00	146.91	45.69	6.02	65.0	± 9.6 %
		Υ	100.00	142.38	43.59		65.0	
		Z	62.29	133.89	41.59		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	Х	100.00	136.23	40.09	6.02	65.0	± 9.6 %
=		Υ	100.00	132.70	38.54		65.0	
		Z	100.00	133.95	38.85		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	100.00	133.55	38.67	6.02	65.0	± 9.6 %
		Y	100.00	130.33	37.27		65.0	_
		Z	100.00	131.37	37.48		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	100.00	146.76	45.58	6.02	65.0	± 9.6 %
_		Y	98.12	141.81	43.38		65.0	
		Z	54.79	131.03	40.79		65.0	
10232- CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	100.00	136.25	40.10	6.02	65.0	± 9.6 %
		Y	100.00	132.72	38.55		65.0	
		Z	100.00	133.96	38.86		65.0	
10233- CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	Х	100.00	133.57	38.68	6.02	65.0	± 9.6 %
		Y	100.00	130.35	37.28		65.0	
		Z	100.00	131.40	37.49		65.0	<u> </u>
10234- CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	x	100.00	146.41	45.37	6.02	65.0	± 9.6 %
		Y	85.73	138.62	42.48	·	65.0	
		Z	49.48	128.58	40.03		65.0	
10235- CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	100.00	136.27	40.10	6.02	65.0	± 9.6 %
		Y	100.00	132.73	38.55		65.0	
		Z	100.00	133.98	38.86		65.0	,
10236- CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	Х	100.00	133.50	38.65	6.02	65.0	± 9.6 %
		Υ	100.00	130.29	37.26		65.0	
		Z	100.00	131.33	37.46		65.0	
10237- CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	100.00	146.81	45.60	6.02	65.0	± 9.6 %
		Y	99.93	142.23	43.48	_	65.0	
		Z	55.78	131.45	40.90		65.0	
10238-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	100.00	136.27	40.10	6.02	65.0	± 9.6 %
	IO-QAIVI)							
CAD	10-QAIVI)	Υ	100.00	132.73	38.55		65.0	

10239-	LTE TOD (CC CDMA 4 DD 45 MILE		400.00	400.00	00.00		T	
CAD_	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	100.00	133.60	38.69	6.02	65.0	± 9.6 %
		Y	100.00	130.37	37.29		65.0	
40040		Z	100.00	131.42	37.50	<u> </u>	65.0	
10240- CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	100.00	146.82	45.60	6.02	65.0	± 9.6 %
		Y	99.77	142.20	43.47		65.0	
		Z	55.59	131.39	40.89		65.0	-
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	Х	17.87	100.55	33.28	6.98	65.0	± 9.6 %
		Υ	15.07	94.94	30.80		65.0	
		Z	13.77	93.88	30.45	L	65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	Х	17.67	100.29	33.12	6.98	65.0	± 9.6 %
	<u> </u>	Y	12.29	90.51	29.15		65.0	-
		Ζ	12.81	92.35	29.83		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	11.06	91.58	31.22	6.98	65.0	± 9.6 %
		Y	8.79	84.63	27.92	-	65.0	
		Z	9.16	86.51	28.72		65.0	
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	15.61	90.37	23.65	3.98	65.0	± 9.6 %
		Υ	11.28	84.18	21.28		65.0	-
		Z	8.72	80.34	19.49		65.0	
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	13.68	88.02	22.81	3.98	65.0	± 9.6 %
		Υ	10.35	82.60	20.65		65.0	
		Z	8.13	79.04	18.94		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	25.39	101.46	27.34	3.98	65.0	± 9.6 %
		Υ	15.71	92.64	24.44		65.0	-
		Ζ	12.87	89.62	23.18		65.0	-
10247- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	Х	9.04	82.99	22.10	3.98	65.0	± 9.6 %
		Υ	8.34	80.70	21.02		65.0	
		Z	7.61	79.49	20.32		65.0	
10248- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	8.42	81.37	21.47	3.98	65.0	± 9.6 %
		Υ	7.88	79.34	20.47		65.0	
		Z	7.23	78.25	19.81		65.0	
10249- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	Х	33.71	108.55	30.66	3.98	65.0	± 9.6 %
		Υ	20.64	98.74	27.50		65.0	
		Z	18.25	96.85	26.70		65.0	
10250- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	Х	10.08	85.96	25.19	3.98	65.0	± 9.6 %
		Υ	9.64	84.09	24.21		65.0	-
		Z	9.09	83.41	23.82		65.0	
10251- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	Х	8.74	81.98	23.31	3.98	65.0	± 9.6 %
		Υ	8.42	80.36	22.40		65.0	-
		Z	8.02	79.93	22.11	<u> </u>	65.0	
10252- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	20.41	100,95	29.84	3.98	65.0	± 9.6 %
		Υ	15.89	94.95	27.60		65.0	
		Z	15.09	94.44	27.31		65.0	
10253- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	8.27	80.12	23.07	3.98	65.0	± 9.6 %
		Y	8.11	78.88	22.29	_	65.0	
		-	7.82	78.68	22.13		65.0	
		Z	1.02	10.00				
10254- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	8.73	81.09	23.75	3.98	65.0	± 9.6 %
	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)					3.98		± 9.6 %

10255- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	Х	12.08	89.56	26.46	3.98	65.0	± 9.6 %
		Y	11.00	86.69	25.13		65.0	
		Z	10.61	86.49	24.98		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	Х	9.73	81.73	19.44	3.98	65.0	± 9.6 %
		Y	7.42	76.93	17.43		65.0	
		Z	5.73	73.50	15.63		65.0	-
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	Х	8.33	79.13	18.36	3.98	65.0	± 9.6 %
		Υ	6.73	75.21	16.63		65.0	
		Z	5.32	72.16	14.95		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	12.04	87.95	22.05	3.98	65.0	± 9.6 %
		Y	8.85	82.44	20.00		65.0	
		Z	7.11	79.43	18.57		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	9.53	84.22	23.26	3.98	65.0	± 9.6 %
		Υ	8.90	82.06	22.20		65.0	
		Z	8.25	81.09	21.63		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	Х	9.20	83.27	22.90	3.98	65.0	± 9.6 %
		Y	8.68	81.32	21.91		65.0	
		Z	8.06	80.39	21.35		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	Х	23.02	102.54	29.52	3.98	65.0	± 9.6 %
		Υ	16.54	95.31	26.97		65.0	
		Z	15.22	94.17	26.42		65.0	•
10262- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	10.05	85.86	25.14	3.98	65.0	± 9.6 %
		Y	9.60	83.99	24.15		65.0	
		Z	9.05	83.31	23.76		65.0	
10263- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	8.72	81.95	23.30	3.98	65.0	± 9.6 %
		Υ	8.40	80.33	22.40		65.0	-
		Z	8.01	79.90	22.10		65.0	
10264- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	19.99	100.52	29.68	3.98	65.0	± 9.6 %
		Y	15.61	94.59	27.46		65.0	
		Z	14.84	94.09	27.18		65.0	
10265- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	Х	8.51	80.83	23.42	3.98	65.0	± 9.6 %
		Υ	8.31	79.48	22.60		65.0	
		Z	8.01	79.28	22.45		65.0	
10266- _C <u>AD</u>	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Х	9.02	81.88	24.18	3.98	65.0	± 9.6 %
		Ϋ́	8.86	80.66	23.42		65.0	
1005=		Z	8.53	80.41	23.25		65.0	
10267- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	Х	12.89	90.43	26.57	3.98	65.0	± 9.6 %
	-	Υ	11.59	87.37	25.20		65.0	
40000	LTC TDD /OO FD1/4 /OCC == :=	Z	11.17	87.15	25.04		65.0	
10268- CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.65	79.35	23.27	3.98	65.0	± 9.6 %
		Y	8.60	78.47	22.65		65.0	
40000	LEE TOP (OO FOLL)	Z	8.34	78.33	22.54		65.0	
10269- CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	8.50	78.69	23.04	3.98	65.0	± 9.6 %
		Y	8.49	77.91	22.46		65.0	
40070	LITE TOP (OO FOLL)	Z	8.23	77.77	22.36		65.0	
10270- CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	Х	9.87	83.32	24.17	3.98	65.0	± 9.6 %
	·	Υ	9.54	81.82	23.34		65.0	
		Z	9.23	81.64	23.20		65.0	

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	Х	2.93	69.92	17.28	0.00	150.0	± 9.6 %
_		Υ	2.80	68.92	16.59		150.0	
		Z	2.67	68.10	15.90		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	2.65	78.26	21.12	0.00	150.0	± 9.6 %
		Υ	2.15	74.09	18.99		150.0	
		Z	1.84	71.24	17.33		150.0	
10277- CAA	PHS (QPSK)	Х	3.36	65.20	9.94	9.03	50.0	± 9.6 %
		Υ	3.89	66.16	10.82		50.0	
		_ Z	3.28	64.75	9.58		50.0	_
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	Х	9.68	82.05	19.91	9.03	50.0	± 9.6 %
_		Υ	8.39	79.03	18.95		50.0	
		Z	7.49	77.63	17.92		50.0	
10279- <u>CAA</u>	PHS (QPSK, BW 884MHz, Rolloff 0.38)	Х	9.79	82.20	20.01	9.03	50.0	± 9.6 %
		Υ	8.47	79.14	19.03		50.0	
		Z	7.60	77.79	18.03		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	Х	100.00	128.73	31.86	0.00	150.0	± 9.6 %
		Υ	5.46	88.02	21.05		150.0	
		Z	1.91	73.76	15.51		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	Х	100.00	135.73	33.92	0.00	150.0	± 9.6 %
		Y	3.79	87.86	21.18		150.0	
		Z	1.18	71.73	14.72		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	Х	100.00	142.87	36.94	0.00	150.0	± 9.6 %
		Υ	100.00	136.51	34.18	i –	150.0	-
		Z	5.31	92.64	22.43		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	Х	100.00	147.53	39.13	0.00	150.0	± 9.6 %
		Υ	100.00	141.37	36.44		150.0	-
		Z	100.00	134.56	33.36		150.0	-
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	51.26	114.86	33.17	9.03	50.0	± 9.6 %
		Υ	27.72	102.36	29.45		50.0	
		Z	34.06	106.19	30.27		50.0	
10297- AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	3.44	75.06	19.80	0.00	150.0	± 9.6 %
		Υ	3.15	73.19	18.73		150.0	
		Z	2.87	71.52	17.73		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	4.53	85.32	21.43	0.00	150.0	± 9.6 %
_		Υ	2.49	75.98	17.66		150.0	
		Z	1.68	70.19	14.73		150.0	
10299- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	35.97	105.52	25.86	0.00	150.0	± 9.6 %
		Υ	5.66	80.41	18.09		150.0	
		Z	2.55	70.20	13.62		150.0	
10300- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	3.08	71.93	14.32	0.00	150.0	± 9.6 %
		Υ	2.13	67.03	11.85		150.0	
		Z	1.63	64.24	10.02		150.0	
10301- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	5.45	69.13	19.39	4.17	80.0	± 9.6 %
		Y	5.47	68.97	19.13		80.0	
		Z	5.25	68.28	18.65		80.0	-
						4.96		10000
10302- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	Х	5.78	69.10	19.80	4.90	80.0	± 9.6 %
	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	5.78	68.75	19.42	4.90	80.0	± 9.0 %

40000	LIEBS 000 (0 IV)							
10303- AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	×	5.58	68.98	19.73	4.96	80.0	± 9.6 %
		Y	5.58	68.66	19.35		80.0	
40004		Z	5.46	68.50	19.18		80.0	
10304- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	Х	5.34	68.67	19.12	4.17	80.0	± 9.6 %
		Y	5.33	68.32	18.76		80.0	
		Z	5.21	68.15	18.55		80.0	
10305- AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	6.61	77.30	24.10	6.02	50.0	± 9.6 %
		Υ	7.10	<u>7</u> 8.07	24.03		50.0	
40000		Z	6.42	76.34	23.21		50.0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	Х	5.68	70.99	21.21	6.02	50.0	± 9.6 %
		Y	6.11	72.92	22.11		50.0	
		Z	5.54	70.33	20.52		50.0	
10307- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	Х	5.65	71.36	21.23	6.02	50.0	± 9.6 %
		ΙY	6.19	73.69	22.31		50.0	
1005-		Z	5.79	72.63	21.74		50.0	
10308- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	6.01	73.91	22.77	6.02	50.0	± 9.6 %
		Y	6.30	74.37	22.65		50.0	
1		Z	5.88	73.25	22.07		50.0	
10309- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	Х	5.73	71.20	21.36	6.02	50.0	± 9.6 %
		Y	6.16	73.11	22.25		50.0	
		Z	5.58	70.50	20.65		50.0	
10310- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	Х	5.67	71.20	21.24	6.02	50.0	± 9.6 %
		Y	6.15	73.31	22.23		50.0	
		Z	5.52	70.51	20.54		50.0	
10311- AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	Х	3.80	73.58	19.01	0.00	150.0	± 9.6 %
		Υ	3.53	72.03	18.12		150.0	
		Z	3.24	70.56	17.24		150.0	
10313- AAA	iDEN 1:3	X	59.05	112.13	29.07	6.99	70.0	± 9.6 %
		Y	21.12	95.82	24.56		70.0	
		Z	18.22	93.85	23.73	· · · · · · · · · · · · · · · · · · ·	70.0	
10314- AAA	riDEN 1:6	Х	100.00	130.93	37.14	10.00	30.0	± 9.6 %
		Υ	75.09	122.91	34.76		30.0	
		Z	51.44	117.42	33.31		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.34	68.63	18.94	0.17	150.0	± 9.6 %
		Υ	1.29	67.42	17.86		150.0	
		Z	1.21	66.04	16.71		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	Х	4.67	67.89	17.21	0.17	150.0	± 9.6 %
		Y	4.64	67.66	16.96		150.0	
		Z	4.56	67.44	16.70		150.0	
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	Х	4.67	67.89	17.21	0.17	150.0	± 9.6 %
		Y	4.64	67.66	16.96		150.0	
10400	IEEE 900 44n- WIEL/OOMIL OA OASS	Z	4.56	67.44	16.70		150.0	
10400- AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.74	68.13	17.15	0.00	150.0	± 9.6 %
		Y	4.69	67.85	16.88		150.0	
10101	IEEE DOO 44- WEEL (40)	Z	4.60	67.62	16.61		150.0	
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	Х	5.46	68.11	17.20	0.00	150.0	± 9.6 %
		Υ	5.42	67.87	16.96		150.0	
		Z	5.29	67.51	16.65	_	150.0	

10402-	IEEE 802.11ac WiFi (80MHz, 64-QAM,	X	5.70	68.27	17.13	0.00	150.0	± 9.6 %
AAC	99pc duty cycle)	^	0.70	00.27	17.10	0.00	100.0	2 3.0 /0
		Υ	5.67	68.08	16.93		150.0	
		Z_	5.59	67.90	16.71		150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	Х	100.00	128.73	31.86	0.00	115.0	± 9.6 %
		Y	5.46	88.02	21.05		115.0	
40404		Z	1.91	73.76	15.51		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	X	100.00	128.73	31.86	0.00	115.0	± 9.6 %
		Y	5.46	88.02	21.05		115.0	
10406-	CDMA2000, RC3, SO32, SCH0, Full	Z	1.91	73.76	15.51	0.00	115.0	
AAB	Rate		100.00	125.52	31.82	0.00	100.0	± 9.6 %
		Z	100.00	122.74	30.63		100.0	
10410-	LTE-TDD (SC-FDMA, 1 RB, 10 MHz,	X	100.00	121.04	29.50	0.00	100.0	
AAC AAC	QPSK, UL Subframe=2,3,4,7,8,9)			131.41	34.92	3.23	80.0	± 9.6 %
-		Y	100.00	126.46	32.79		80.0	!
10415-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	Z	100.00	125.69	32.11	0.00	80.0	1000
AAA	Mbps, 99pc duty cycle)		1.18	66.83	17.95	0.00	150.0	± 9.6 %
		Y	1.13	65.66	16.89		150.0	
10416-	IEEE 802.11g WiFi 2.4 GHz (ERP-	Z	1.08	64.56	15.83	0.00	150.0	
AAA	OFDM, 6 Mbps, 99pc duty cycle)		4.60	67.79	17.08	0.00	150.0	± 9.6 %
		Y	4.56	67.54	16.83		150.0	
10117	IEEE 000 44- /h MUE: C OLL (OEDM 0	Z	4.48	67.32	16.55		150.0	
10417- _AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.60	67.79	17.08	0.00	150.0	± 9.6 %
		Y	4.56	67.54	16.83		150.0	
40440	IEEE 000 44 NAVELO 4 CHA (TOOC	Z	4.48	67.32	16.55		150.0	
10418- AAA 	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.60	68.04	17.15	0.00	150.0	± 9.6 %
		Υ	4.56	67.77	16.89		150.0	
		Z	4.48	67.54	16.61		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.61	67.95	17.12	0.00	150.0	± 9.6 %
	;·	Υ	4.57	67.69	16.87		150.0	-
		Z	4.49	67.46	16.60		150.0	
10422- _AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	Х	4.72	67.88	17.10	0.00	150.0	± 9.6 %
		Υ	4.68	67.64	16.86		150.0	
		Z	4.60	67.42	16.59		150.0	
10423- AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	Х	4.86	68.17	17.20	0.00	150.0	± 9.6 %
		Υ	4.82	67.92	16.96		150.0	
10101		Z	4.73	67.70	16.69		150.0	
10424- AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	Х	4.79	68.14	17.19	0.00	150.0	± 9.6 %
	· · ·	Υ	4.75	67.89	16.94		150.0	
40.405	UFF 000 44 (1) 5	Z	4.66	67.66	16.67		150.0	
10425- AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.41	68.25	17.27	0.00	150.0	± 9.6 %
		Y	5.37	68.04	17.06		150.0	
10100	1,555,000 / 1,555	Z	5.28	67.83	16.82		150.0	
10426- AAA	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5,44	68.38	17.34	0.00	150.0	± 9.6 %
		Υ	5.40	68.16	17,12		150.0	
		Z	5.31	67.93	16.86		150.0	

10431- AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1) LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	Y Z X Y Z X	5.37 5.27 4.68 4.66 4.33 4.30	67.99 67.73 74.13 73.98 72.57	17.02 16.76 19.83	0.00	150.0 150.0 150.0	± 9.6 %
10431- AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	Z X Y Z X Y Z Z Z Z Z Z Z Z Z	4.68 4.66 4.33 4.30	67.73 74.13 73.98 72.57	16.76 19.83	0.00	150.0	± 9.6 %
10431- AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X Y Z X Y	4.68 4.66 4.33 4.30	74.13 73.98 72.57	19.83	0.00		± 9.6 %
10432- AAB		Z X Y Z	4.33 4.30	72.57	10.65			
10432- AAB		X Y Z	4.30		เฮ.ซอ		150.0	
10432- AAB		Y			18.70		150.0	
AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	Ζ		68.76	17.23	0.00	150.0	± 9.6 %
AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)		4.24	68.39	16.91	_	150.0	
AAB			4.13	68.04	16.54		150.0	
10433-		X	4.58	68.36	17.21	0.00	150.0	± 9.6 %
10433-		Y	4.53	68.06	16.94		150.0	
	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	Z	4.43	67.79	16.63		150.0	
AAB		X	4.81	68.17	17.21	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·		4.77	67.92	16.96		150.0	
10434-	W-CDMA (BS Test Model 1, 64 DPCH)	Z X	4.68 5.03	67.69	16.69	0.00	150.0	1000
AAA		Y		75.87	20.06	0.00	150.0	± 9.6 %
		_	4.99	75.61	19.83		150.0	
10435-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz,	Z X	4.49 100.00	73.69 131.13	18.66	2.02	150.0	1.0.0.01
AAC (QPSK, UL Subframe=2,3,4,7,8,9)	Y			34.80	3.23	80.0	± 9.6 %
_		Z	100.00	126.21	32.67		80.0	
	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	100.00 3.69	125.44 69.53	31.99 16.77	0.00	80.0 150.0	± 9.6 %
		Y	3.58	68.87	16.29		150.0	
		ż	3.42	68.21	15.70	-	150.0	
	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.15	68.58	17.12	0.00	150.0	± 9.6 %
	· · · · · · · · · · · · · · · · · · ·	Υ	4.09	68.20	16.80		150.0	
		Z	3.99	67.84	16.42		150.0	
	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.41	68.22	17.14	0.00	150.0	± 9.6 %
		Y	4.36	67.92	16.86		150.0	
		Z	4.27	67.63	16.54		150.0	
	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.60	67.99	17.10	0.00	150.0	± 9.6 %
	<u> </u>	_Y_	4.55	67.72	16.84		150.0	
10.151		Z	4.47	67.48	16.56		150.0	
	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	×	3.62	69.93	16.40	0.00	150.0	± 9.6 %
		_ <u>Y</u>	3.47	69.09	15.83		150.0	
10456	IEEE 000 44a- 34/Et /4003 Et . 04 0464	Z	3.27	68.23	15.13		150.0	
	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.36	68.84	17.42	0.00	150.0	± 9.6 %
 		Y	6.32	68.67	17.24		150.0	
10457-	HMTS EDD (DC HSDDA)	Z	6.23	68.46	17.01	0.00	150.0	
AAA	UMTS-FDD (DC-HSDPA)	X	3.88	66.43	16.81	0.00	150.0	± 9.6 %
		Y	3.85	66.20	16.55		150.0	
	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	Z	3.80 4.65	66.01 75.19	16.28 19.34	0.00	150.0 150.0	± 9.6 %
, 0 0 1		Y	4.52	74.56	18.92		150.0	
		Z	4.04	74.56	17.67		150.0 150.0	
	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	5.15	69.96	18.79	0.00	150.0	± 9.6 %
,		Y	5.22	70.24	18.85		150.0	
		Z	4.92	69.20	18.07		150.0	-

10460- AAA	UMTS-FDD (WCDMA, AMR)	Х	3.37	95.81	29.07	0.00	150.0	± 9.6 %
		Y	1.74	81.67	23.23	<u> </u>	150.0	
		Z	1.21	74.42	19.58		150.0	
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	143.01	40.15	3.29	80.0	± 9.6 %
	<u> </u>	Υ	100.00	134.90	36.63		80.0	
		Z	100.00	132.97	35.44		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	119.25	28.85	3.23	80.0	± 9.6 %
		Υ	100.00	113.20	26.37		80.0	
		Z	100.00	110.00	24.63		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	113.75	26.28	3.23	80.0	± 9.6 %
		Υ	100.00	108.57	24.18		80.0	
		Z	100.00	105.07	22.33		80.0	
10464- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	141.23	39.11	3.23	80.0	± 9.6 %
		Υ	100.00	132.81	35.48		80.0	_
		Z	100.00	130.60	34.16		80.0	
10465- _AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	118.41	28.46	3.23	80.0	± 9.6 %
		Υ	100.00	112.48	26.02		80.0	
		Z	100.00	109.28	24.29		80.0	
10466- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	112.90	25.90	3.23	80.0	± 9.6 %
		Υ	100.00	107.89	23.87		80.0	
_		Z	100.00	104.43	22.04		80.0	
10467- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	141.61	39.28	3.23	80.0	±9.6 %
		Υ	100.00	133.15	35.63		80.0	
		Z	100.00	130.94	34.31	-	80.0	·
10468- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	118.75	28.61	3.23	80.0	± 9.6 %
		Y	100.00	112.75	26.15	_	80.0	
		Z	100.00	109.56	24.42		80.0	
10469- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	112.98	25.93	3.23	80.0	± 9.6 %
		Υ	100.00	107.94	23.89	-	80.0	<u></u>
		Z	100.00	104.47	22.05		80.0	
10470- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	141.70	39.31	3.23	80.0	± 9.6 %
		Υ	100.00	133.21	35.65		80.0	
		Z	100.00	130.98	34.32		80.0	
10471- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	118.69	28.58	3.23	80.0	± 9.6 %
		Υ	100.00	112.69	26.12		80.0	
		Z	100.00	109.48	24.38		80.0	
10472- <u>A</u> AC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	112.90	25.89	3.23	80.0	± 9.6 %
		Y	100.00	107.86	23.85	<u> </u>	80.0	
		Z	100.00	104.38	22.01		80.0	
10473- AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	141.67	39.29	3.23	80.0	± 9.6 %
		Υ	100.00	133.18	35.63		80.0	
		Z	100.00	130.96	34.31	-	80.0	
10474- AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	118.71	28.58	3.23	80.0	± 9.6 %
		Υ	100.00	112.70	26.12		80.0	
		Z	100.00	109.49	24.38		80.0	
10475- AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	112.93	25.90	3.23	80.0	± 9.6 %
		Υ	100.00	107.88	23.85		80.0	
		Z	100.00	104.40	22.02			
	··		100.00	104.40		L	80.0	

Y 100.00 112.46 28.00 80.0 104.76 24.00 80.0 104.76 25.00 12.86 25.85 3.23 80.0 ± 9.6 % 20.00 25.8 % 20.00	10477- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	118.43	28.45	3.23	80.0	± 9.6 %
TIE-TDD (SC-FDMA, 1 RB, 20 MHz, 64 AAC QAM, UL Subframe=2,3,4,7,8,9)			Υ	100.00	112.46	26.00		80.0	
10479- ACC AC			Z						
LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, AAA QPSK, UL Subframe=2,3.4,7.8,9)							3.23		± 9.6 %
T16479-			Y	100.00	107.79	23.82		80.0	
10489- AAA AAA AAA AAA ABA ABA ABA ABA ABA AB			Z	100.00	104.31				
Total		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)					3.23		± 9.6 %
LTE-TDD (SC-FDMA, 50% RB, 14 MHz, AAA 16-0AM, UL Subframe=2,3.4,7.8,9)			Y	100.00	128.47	35.00		80.0	
10480- AAA A			Z	100.00	127.00			+	
10481-		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)			120.16		3.23		± 9.6 %
10481- LTE-TDD (SC-FDMA, 50% RB, 14 MHz, AAA					116.69	29.36		80.0	
AAA						28.26		80.0	
10482- AAA		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)				29.67	3.23	80.0	± 9.6 %
10482- AAA AAA LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) 10483- AAA LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA LTE-TDD (SC-FDMA, 50% RB, 3 MHz, AAA LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AAA LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAA LTE-TD			Υ		114.39	28.21		80.0	
10482- AAA AAA AAA AAA AAA AAA AAA AAA AAA A					112.46				T
10483-		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)			122.13	31.51	2.23		± 9.6 %
Total						28.42		80.0	
AAA 16-QAM, UL Subframe=2,3,4,7,8,9) Y 100.00 113.46 28.01 80.0			Z	13.32	91.56	22.86		80.0	
10484- AAA		LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)				29.36	2.23	80.0	± 9.6 %
10484-			Υ	100.00	113.46	28.01		80.0	
AAA 64-QAM, UL Subframe=2,3,4,7,8,9) Y 50.77 104,49 25.86 80.0 Z 8.43 80.95 18.67 80.0 LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9) Y 24.29 103.39 28.10 80.0 LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AC 65.25 120.82 33.02 2.23 80.0 ±9.6 % Y 24.29 103.39 28.10 80.0 LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 8.09 82.63 21.00 80.0 Z 5.71 77.63 18.94 80.0 LTE-TDD (SC-FDMA, 50% RB, 5 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 7.33 80.85 20.36 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 9.12 87.88 24.67 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 9.12 87.88 24.67 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 9.12 87.88 24.67 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 9.12 87.88 24.67 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 9.12 87.88 24.67 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 9.12 87.89 24.67 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.74 77.30 20.79 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.66 76.55 20.49 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.66 74.57 19.51 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.74 77.30 20.79 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.76 77.31 19.74 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.66 76.55 20.49 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.73 78.11 21.25 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.73 78.11 21.25 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.73 78.11 21.25 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.73 78.11 21.25 80.0 LTE-TDD (SC-F					84.75	19.89		80.0	
Total				100.00		29.19	2.23	80.0	± 9.6 %
Total			Y	50.77	104.49	25.86		80.0	
10485- LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)				8.43	80.95	18.67			
10486-			Х	65.25	120.82	 	2.23		± 9.6 %
10486- AAC				24.29	103.39	28.10		80.0	
10486-			Z	11.52	91.94	24.54			
Total		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)		10.69	87.70		2.23	80.0	± 9.6 %
10487- AAC	_			8.09	82.63	21.00		80.0	
AAC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 7.33 80.85 20.36 80.0 Z 5.35 76.37 18.44 80.0 10488- AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 9.12 87.88 24.67 80.0 Z 6.88 83.40 22.96 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 16-QAM, UL Subframe=2,3,4,7,8,9) Y 5.74 77.30 20.79 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 16-QAM, UL Subframe=2,3,4,7,8,9) Y 5.74 77.30 20.79 80.0 Z 4.98 75.13 19.74 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.66 76.55 20.49 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 5.66 76.55 20.49 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 Z 5.73 78.11 21.25 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 5.33 74.03 19.90 80.0			Z	5.71	77.63	18.94		80.0	
Te-ton T		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)			85.21	22.13	2.23	80.0	± 9.6 %
10488-			_	7.33	80.85	20.36		80.0	
AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 9.12 87.88 24.67 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 16-QAM, UL Subframe=2,3,4,7,8,9) Y 5.74 77.30 20.79 80.0 Z 4.98 75.13 19.74 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.66 76.55 20.49 80.0 Z 4.96 74.57 19.51 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 5.42 74.92 20.52 2.23 80.0 ±9.6 % S 5.42 74.92 20.52 2.23 80.0 ±9.6 %					76.37	18.44		80.0	
Te-ton T		LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)					2.23	80.0	± 9.6 %
10489-AAC LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) X 6.05 78.94 21.72 2.23 80.0 ± 9.6 % AAC 16-QAM, UL Subframe=2,3,4,7,8,9) Y 5.74 77.30 20.79 80.0 10490-AAC LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC X 5.92 78.02 21.35 2.23 80.0 ± 9.6 % Y 5.66 76.55 20.49 80.0 80.0 20.0 80.0<		 							
AAC 16-QAM, UL Subframe=2,3,4,7,8,9) Y 5.74 77.30 20.79 80.0 Z 4.98 75.13 19.74 80.0 LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.66 76.55 20.49 80.0 Z 4.96 74.57 19.51 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 Z 5.73 78.11 21.25 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 78.11 21.25 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC 16-QAM, UL Subframe=2,3,4,7,8,9) Y 5.33 74.03 19.90 80.0	40466	LITE TOP (OR TOUR							
Te-TDD (SC-FDMA, 50% RB, 10 MHz, AC AAC AA		L1E-1DD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)					2.23		± 9.6 %
10490-AAC LTE-TDD (SC-FDMA, 50% RB, 10 MHz, AAC X 5.92 78.02 21.35 2.23 80.0 ± 9.6 % AAC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.66 76.55 20.49 80.0 10491-AAC LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAC X 7.36 83.03 23.55 2.23 80.0 ± 9.6 % Y 6.73 80.60 22.34 80.0 ± 9.6 % 10492-AAC LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AAC X 5.42 74.92 20.52 2.23 80.0 ± 9.6 % Y 5.33 74.03 19.90 80.0 ± 9.6 %									
AAC 64-QAM, UL Subframe=2,3,4,7,8,9) Y 5.66 76.55 20.49 80.0 Z 4.96 74.57 19.51 80.0 10491- AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 Z 5.73 78.11 21.25 80.0 LTE-TDD (SC-FDMA, 50% RB, 15 MHz, AC 16-QAM, UL Subframe=2,3,4,7,8,9) Y 5.33 74.03 19.90 80.0	40400	LITE TOP (OO PPLA)							
Te-TDD (SC-FDMA, 50% RB, 15 MHz, AC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 ± 9.6 %		64-QAM, UL Subframe=2,3,4,7,8,9)					2.23		± 9.6 %
10491- AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 Z 5.73 78.11 21.25 80.0 10492- AAC 16-QAM, UL Subframe=2,3,4,7,8,9) Y 5.33 74.03 19.90 80.0									
AAC QPSK, UL Subframe=2,3,4,7,8,9) Y 6.73 80.60 22.34 80.0 Z 5.73 78.11 21.25 80.0 10492- AAC 16-QAM, UL Subframe=2,3,4,7,8,9) Y 5.33 74.03 19.90 80.0	10491-	LTE-TDD (SC-FDMA, 50% RB. 15 MHz.					2.23		±96%
Total Contro									2 3.0 /0
10492- AAC 16-QAM, UL Subframe=2,3,4,7,8,9)	-								
Y 5.33 74.03 19.90 80.0		LTE-TDD (SC-FDMA, 50% RB, 15 MHz,					2.23		± 9.6 %
	70.00	10 G/ M/I, OL GUDITATIE-2,3,4,1,0,3)		E 22	74.00	40.00		00.0	
/ / 107 507/ / 10/ / 10/		 	Z	4.87	72.71	19.90		80.0	-

10493-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz,	X	5,40	7/ /5	20.20	2.00	00.0	1000
AAC	64-QAM, UL Subframe=2,3,4,7,8,9)			74.45	20.32	2.23	80.0	± 9.6 %
		Y	5.32	73.63	19.73		80.0	
40404	LTE TOD (OO FOLIA FOR DO OO MIL	Z	4.88	72.39	19.05		80.0	
10494- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	9.17 	86.80	24.72	2.23	80.0	± 9.6 %
		Υ	8.03	83.58	23.27		80.0	
		Z	6.60	80.52	22.02		80.0	
10495- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.52	75.46	20.81	2.23	80.0	± 9.6 %
		Υ	5.42	74.52	20.17		80.0	
		Z	4.93	73.12	19.44		80.0	
10496- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.45	74.64	20.50	2.23	80.0	± 9.6 %
		LY.	5.38	73.84	19.92		80.0	
		Z	4.93	72.57	19.24		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	115.27	27.88	2.23	80.0	± 9.6 %
		Y	25.28	96.48	22.93		80.0	
		Z	5.87	78.71	17.31		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.96	68.45	12.76	2.23	80.0	± 9.6 %
		Υ	2.21	64.78	11.01		80.0	
		Z	1.67	62.18	9.40		80.0	
10499- AAA —————	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.39	65.91	11.50	2.23	80.0	± 9.6 %
		Y	1.96	63.35	10.16		80.0	
		Z	1.55	61.26	8.77		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	21.96	103.85	29.24	2.23	80.0	± 9.6 %
		Y	13.48	94.40	26.05		80.0	
		Z	8.53	87.25	23.57		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	8.02	83.54	22.29	2.23	80.0	± 9.6 %
		Υ	6.90	80.32	20.86		80.0	
		Z	5.43	76.80	19.30		80.0	-
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	7.77	82.58	21.87	2.23	80.0	± 9.6 %
	²	Y	6.74	79.56	20.50		80.0	
		Z	5.37	76.23	19.00		80.0	
10503- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	11.17	92.54	26.57	2.23	80.0	± 9.6 %
		Υ	8.90	87.45	24.51		80.0	
		Z	6.74	83.07	22.83		80.0	
10504- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	6.00	78.78	21.64	2.23	80.0	± 9.6 %
		Υ	5.69	77.13	20.71		80.0	_
		Z	4.94	74.99	19.66		80.0	
10505- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.88	77.87	21.28	2.23	80.0	± 9.6 %
		Υ	5.62	76.40	20.42		80.0	
40555		Z	4.93	74.45	19.44		80.0	
10506- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	9.03	86.51	24.60	2.23	80.0	± 9.6 %
		Y	7.91	83.32	23.16		80.0	
4050=	<u> </u>	Z	6.52	80.31	21.93		80.0	
10507- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	×	5.50	75.38	20.77	2.23	80.0	± 9.6 %
	Subframe=2,3,4,7,8,9)	<u> </u>						
	Subtrame=2,3,4,7,8,9)	Y	5.39	74.44	20.13		80.0	

10508- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.43	74.55	20.45	2.23	80.0	± 9.6 %
		Y	5.35	73.74	19.86		80.0	
		Z	4.91	72.49	19.19		80.0	
10509- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.27	80.16	22.31	2.23	80.0	± 9.6 %
		Y	6.86	78.46	21.40		80.0	
		Z	6.07	76.60	20.55		80.0	
10510- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.60	73.37	20.04	2.23	80.0	± 9.6 %
		Υ	5.56	72.76	19.56		80.0	
	·	Z	5.19	71.77	19.01		80.0	
10511- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.57	72.82	19.83	2.23	80.0	± 9.6 %
		Y	5.55	72.29	19.39		80.0	
		Ž	5.21	71.39	18.87		80.0	
10512- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	8.90	84.26	23.64	2.23	80.0	± 9.6 %
		Υ_	8.02	81.72	22.45		80.0	
10512	LITE TOP (OO ED) (OO	Z	6.83	79.22	21.40		80.0	
10513- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.59	74.00	20.32	2.23	80.0	± 9.6 %
		Υ	5.54	73.30	19.79		80.0	
		Z	5.13	72.20	19.19		80.0	
10514- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.48	73.14	20.00	2.23	80.0	± 9.6 %
		Y	5.45	72.55	19.53		80.0	
		Z	5.09	71.56	18.98		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	1.15	67.44	18.30	0.00	150.0	± 9.6 %
		Y	1.10	66.10	17.12		150.0	
10516-	IEEE 000 445 WEE 0 4 OUT (D000 5 5	Z	1.04	64.87	15.98		150.0	
AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	100.00	185.02	53.92	0.00	150.0	± 9.6 %
		Y	4.08	110.19	34.01		150.0	
10517-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	Z	1.21	84.34	24.35	0.00	150.0	
AAA	Mbps, 99pc duty cycle)		1.23	74.63	21.82	0.00	150.0	± 9.6 %
.		Z	1.06	70.88	19.41	_	150.0	
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	0.94 4.59	68.06 67.92	17.43 17.08	0.00	150.0 150.0	± 9.6 %
	, ,,,,,	Y	4.55	67.66	16.83		150.0	
		Ż	4.47	67.43	16.55		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.75	68.08	17.16	0.00	150.0	± 9.6 %
			4.71	67.83	16.91		150.0	
		Z	4.62	67.60	16.63		150.0	
10520- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.61	68.08	17.11	0.00	150.0	± 9.6 %
	 	Y	4.57	67.81	16.85	<u> </u>	150.0	
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.48 4.55	67.55 68.08	16.56 17.11	0.00	150.0 150.0	± 9.6 %
		Y	4.50	67.80	16.85	-	150.0	
		Ż	4.42	67.54	16.55		150.0	
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	Х	4.61	68.22	17.21	0.00	150.0	± 9.6 %
		Υ	4.56	67.94	16.95		150.0	
		Z	4.47	67.67	16.65	ľ .	150.0	T

10523-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48	Х	4.52	68.18	17.12	0.00	150.0	± 9.6 %
AAA	Mbps, 99pc duty cycle)	├			<u> </u>			
		Y	4.48	67.89	16.85		150.0	
40504	IEEE 000 44 # INCE E OU (OED) 4	Z	4.39	67.64	16.56		150.0	
10524- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.56 	68.16	17.20	0.00	150.0	± 9.6 %
		Υ	4.51	67.87	16.93		150.0	
		z	4.42	67.62	16.64		150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.58	67.22	16.79	0.00	150.0	± 9.6 %
		Y	4.53	66.96	16.53		150.0	
		Z	4.45	66.71	16.25		150.0	
10526- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.73	67.55	16.92	0.00	150.0	± 9.6 %
		Y	4.68	67.28	16.66		150.0	
		Z	4.58	67.01	16.37		150.0	
10527- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.66	67.55	16.87	0.00	150.0	± 9.6 %
		Y	4.61	67.26	16.61		150.0	
		Z	4.51	66.98	16.31		150.0	
10528- _AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.67	67.56	16.90	0.00	150.0	± 9.6 %
		Y	4.62	67.27	16.64		150.0	
		Z	4.53	67.00	16.34		150.0	
10529- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	Х	4.67	67.56	16.90	0.00	150.0	± 9.6 %
		Y	4.62	67.27	16.64		150.0	
		Z	4.53	67.00	16.34		150.0	
10531- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	Х	4.65	67.64	16.91	0.00	150.0	± 9.6 %
		Y	4.60	67.34	16.64		150.0	
-		Z	4.50	67.04	16.33		150.0	
10532- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	Х	4.52	67.51	16.86	0.00	150.0	± 9.6 %
_		Y	4.47	67.22	16.59		150.0	
		Z	4.37	66.91	16.27		150.0	
10533- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.68	67.65	16.91	0.00	150.0	± 9.6 %
-		Y	4.63	67.36	16.65	-	150.0	
		Z	4.53	67.08	16.35		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.20	67.39	16.83	0.00	150.0	± 9.6 %
		Y	5.16	67.18	16.61		150.0	
		Z	5.07	66.93	16.35		150.0	-
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.27	67.58	16.92	0.00	150.0	± 9.6 %
		Υ	5.22	67.35	16.70	· -	150.0	
		Z	5.12	67.09	16.43		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	Х	5.15	67.59	16.91	0.00	150.0	± 9.6 %
		Y	5.11	67.36	16.68		150.0	
		Z	5.02	67.10	16.41		150.0	
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	Х	5.20	67.53	16.88	0.00	150.0	± 9.6 %
		Υ	5.16	67.30	16.66		150.0	<u> </u>
		Z	5.07	67.07	16.40		150.0	
10538- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	Х	5.27	67.48	16.89	0.00	150.0	± 9.6 %
		Y	5.23	67.27	16.67		150.0	
		·Z	5.14	67.03	16.42		150.0	
10540- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	Х	5.20	67.48	1 6.91	0.00	150.0	± 9.6 %
						r		
		Ŷ	5.16	67.26	16.69		150.0	_

10541-	IEEE 000 44 MEE 440 MI	1 1	<u> </u>					
AAA 	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.18	67.34	16.82	0.00	150.0	± 9.6 %
		Y	5.14 5.05	67.12 66.89	16.61 16.35		150.0 150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.33	67.42	16.87	0.00	150.0	± 9.6 %
		Y	5.29	67.21	16.66		150.0	
		Z	5.20	66.99	16.41		150.0	
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.40	67.44	16.90	0.00	150.0	± 9.6 %
		Y	5.36	67.24	16.70		150.0	
10544-	IEEE 000 44 - 1455 (0014) - 14000	Z	5.27	67.04	16.47		150.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.53	67.39	16.75	0.00	150.0	± 9.6 %
		Y	5.49	67.20	16.56		150.0	
10545-	IEEE 802.11ac WiFi (80MHz, MCS1,	Z	5.41	66.99	16.32	2.22	150.0	
AAA	99pc duty cycle)		5.74	67.91	16.97	0.00	150.0	± 9.6 %
		Y	5.70	67.70	16.77		150.0	
10546-	IEEE 802.11ac WiFi (80MHz, MCS2,	X	5.60	67.47	16.52	0.00	150.0	. 0 0 0′
AAA	99pc duty cycle)	X	5.57	67.55	16.80	0.00	150.0	± 9.6 %
		Z	5.53	67.35	16.60		150.0	
10547-	IEEE 802.11ac WiFi (80MHz, MCS3,	<u>Z</u>	5.45 5.66	67.13 67.65	16.36 16.84	0.00	150.0	1000
AAA	99pc duty cycle)	^ Y	5.62			0.00	150.0	± 9.6 %
		Z		67.45	16.64		150.0	
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.53 5.90	67.23 68.59	16.41 17.29	0.00	150.0 150.0	± 9.6 %
	3000	Y	5.84	68.33	17.06		150.0	
		ż	5.71	67.98	16.76		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.64	67.75	16.92	0.00	150.0	± 9.6 %
		Y	5.60	67.54	16.71	_	150.0	
		Z	5.51	67.32	16.47		150.0	
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.59	67.58	16.79	0.00	150.0	± 9.6 %
		Y	5.55	67.38	16.59		150.0	
		Z	5.45	67.11	16.33		150.0	
10552- AAA	EEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	Х	5.54	67.49	16.75	0.00	150.0	± 9.6 %
		Y	5.50	67.29	16.55		150.0	
		Z	5.42	67.10	16.32		150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	Х	5.60	67.45 	16.75	0.00	150.0	± 9.6 %
	-	Y	5.56	67.25	16.56		150.0	
10EE4	IEEE 900 1100 MARTI (400 MILE MARCO	Z	5.48	67.05	16.33		150.0	
10554- AAB	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.95	67.70	16.80	0.00	150.0	± 9.6 %
		Y	5.91	67.51	16.61		150.0	
10555-	IEEE 902 1100 WiE: (400MH= MOC4	Z	5.83	67.32	16.39	0.22	150.0	
AAB	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.07	68.00	16.93	0.00	150.0	± 9.6 %
		Y 7	6.03	67.81	16.74	<u>. </u>	150.0	
10556- AAB	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.94 6.11	67.58 68.10	16.50 16.97	0.00	150.0 150.0	± 9.6 %
	oppo daty oyoloy	Y	6.07	67.90	16.78		150.0	
		Z	5.98	67.68	16.75		150.0	
10557- AAB	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.05	67.93	16.91	0.00	150.0	± 9.6 %
	[, -, -, -, -, -, -, -, -, -, -, -,	Y	6.01	67.74	16.72		150.0	

10558- AAB	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.09	68.07	16.99	0.00	150.0	± 9.6 %
7010	OSPC daty cycle)	Y	6.04	67.87	46.00		450.0	
		<u> </u>	5.95		16.80		150.0	<u> </u>
10560-	IEEE 802.11ac WiFi (160MHz, MCS6,		 	67.63	16.56	0.00	150.0	
AAB	99pc duty cycle)	×	6.08	67.92	16.95	0.00	150.0	± 9.6 %
		Υ	6.04	67.73	16.77		150.0	:
		Z	5.95	67.52	16.54		150.0	
10561- AAB	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	Х	6.02	67.94	17.00	0.00	150.0	± 9.6 %
		Υ	5.98	67.74	16.81		150.0	
		Z	5.89	67.52	16.58		150.0	
10562- AAB	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.09	68,17	17.12	0.00	150.0	± 9.6 %
		Y	6.05	67.96	16.92		150.0	
		Z	5.95	67.72	16.67		150.0	
10563- AAB	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.19	68.10	17.04	0.00	150.0	± 9.6 %
		Y	6.15	67.90	16.85		150.0	
		Z	6.04	67.65	16.60		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.91	67.89	17.17	0.46	150.0	± 9.6 %
		Υ	4.87	67.64	16.93		150.0	
		Z	4.80	67.46	16.69		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	Х	5.11	68.27	17.46	0.46	150.0	± 9.6 %
		Y	5.08	68.05	17.23		150.0	
		Z	4.99	67.85	16.98		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	4.96	68.15	17.30	0.46	150.0	± 9.6 %
·		Υ	4.92	67.91	17.06		150.0	-
		Z	4.83	67.70	16.81		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	4.99	68.55	17.66	0.46	150.0	± 9.6 %
		Y	4.96	68.34	17.45	_	150.0	
_		Z	4.87	68.08	17.17		150.0	-
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.88	67.99	17.11	0.46	150.0	± 9.6 %
		Y	4.83	67.70	16.84		150.0	
		Z	4.75	67.51	16.61	-	150.0	_
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	4.98	68.78	17.81	0.46	150.0	± 9.6 %
_	<u> </u>	Υ	4.95	68.58	17.60	-	150.0	-
		Z	4.86	68.32	17.31	-	150.0	· <u> </u>
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	4.98	68.56	17.69	0.46	150.0	± 9.6 %
		Y	4.95	68.33	17.47		150.0	
		ż	4.86	68.09	17.20		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.53	70.26	19.68	0.46	130.0	± 9.6 %
		Y	1.48	68.95	18.55		130.0	
		Ż	1.37	67.40	17.39	-	130.0	-
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.59	71.46	20.33	0.46	130.0	± 9.6 %
		Y	1.53	70.00	19.13		130.0	
		Z	1.41	68.22	17.86		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	Х	100.00	167.17	47.85	0.46	130.0	± 9.6 %
		Υ	100.00	157.87	43.89		130.0	
		Z	100.00	153.13	41.71	-	130.0	
					28.24	0.46		1000
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	3.10	89.83	20.24	0.46	130.0	± 9.6 %
	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	2.51	83.93	25.32	0.46	130.0	± 9.6 %

10575-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.70	T 07.77	T 47.00		1	
_AAA	OFDM, 6 Mbps, 90pc duty cycle)		4.72 ———	67.77	17.29	0.46	130.0	± 9.6 %
		Υ	4.68	67.55	17.05		130.0	
		Z	4.61	67.35	16.79		130.0	
10576- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X	4.75	67.98	17.37	0.46	130.0	± 9.6 %
		Y	4.72	67.76	17.14		130.0	
		Z	4.64	67.55	16.88		130.0	_
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	Х	4.92	68.19	17.49	0.46	130.0	± 9.6 %
		Y	4.89	67.98	17.27		130.0	-
		Z	4.80	67.76	17.01		130.0	-
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.83	68.39	17.63	0.46	130.0	± 9.6 %
		Y	4.80	68.19	17.41		130.0	
		Z	4.71	67.93	17.12	_	130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	Х	4.60	67.68	16.96	0.46	130.0	± 9.6 %
		Y	4.56	67.40	16.68	_	130.0	
		Z	4.48	67.20	16.44		130.0	<u> </u>
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	Х	4.64	67.76	17.00	0.46	130.0	± 9.6 %
		Y	4.60	67.47	16.71		130.0	-
		Z	4.52	67.27	16.47		130.0	·
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	Х	4.75	68.54	17.65	0.46	130.0	± 9.6 %
		Y	4.72	68.32	17.42		130.0	-
		Z	4.63	68.05	17.12		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	Х	4.53	67.47	16.77	0.46	130.0	± 9.6 %
		Y	4.49	67.15	16.46		130.0	
		Z	4.41	66.99	16.24		130.0	
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	Х	4.72	67.77	17.29	0.46	130.0	± 9.6 %
		Y	4.68	67.55	17.05	_	130.0	
		Z	4.61	67.35	16.79		130.0	
10584- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.75	67.98	17.37	0.46	130.0	± 9.6 %
		Y	4.72	67.76	17.14		130.0	_
		Z	4.64	67.55	16.88		130.0	_
10585- AAA	MEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.92	68.19	17.49	0.46	130.0	± 9.6 %
		Y	4.89	67.98	17.27		130.0	
		Z	4.80	67.76	17.01		130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.83	68.39	17.63	0.46	130.0	± 9.6 %
		Υ	4.80	68.19	17.41		130.0	
		Z	4.71	67.93	17.12	-	130.0	
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	Х	4.60	67.68	16.96	0.46	130.0	± 9.6 %
		Y	4.56	67.40	16.68		130.0	
		Z	4.48	67.20	16.44		130.0	
10588- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	Х	4.64	67.76	17.00	0.46	130.0	± 9.6 %
		Y	4.60	67.47	16.71	-	130.0	
		Z	4.52	67.27	16.47		130.0	
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	Х	4.75	68.54	17.65	0.46	130.0	± 9.6 %
		Y	4.72	68.32	17.42		130.0	
		Z	4.63	68.05	17.12		130.0	
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	Х	4.53	67.47	16.77	0.46	130.0	± 9.6 %
AAA								
7001		Y	4.49	67.15	16.46		130.0	

10591- AAA	IEEE 802.11n (HT Mixed, 20MHz,	X	4.86	67.77	17.35	0.46	130.0	± 9.6 %
, v v1	MCS0, 90pc duty cycle)	Y	4.83	67.57	17.13		130.0	
		_ <u>'</u>	4.76	67.39	16.89		130.0	
10592-	IEEE 802.11n (HT Mixed, 20MHz,	$\frac{1}{x}$	5.00	68.10	17.48	0.46	130.0	± 9.6 %
AAA	MCS1, 90pc duty cycle)	'	0.00	00.10	17.40	0.40	130.0	1.5.0 /6
		Y	4.97	67.89	17.26		130.0	
_		Z	4.88	67.69	17.01		130.0	
10593- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.92	68.01	17.36	0.46	130.0	± 9.6 %
		Y	4.89	67.79	17.13		130.0	
40504	JEEF 000 11 (UEDE 1 000 U	Z	4.80	67.59	16.88		130.0	
10594- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	4.97	68.18	17.52	0.46	130.0	± 9.6 %
		Y	4.94	67.97	17.30		130.0	
10595-	IEEE 802.11n (HT Mixed, 20MHz,	Z	4.86	67.76	17.04	0.40	130.0	
AAA	MCS4, 90pc duty cycle)		4.95	68.18	17.45	0.46	130.0	± 9.6 %
		Y 7	4.91	67.96	17.21		130.0	
10596-	IEEE 802.11n (HT Mixed, 20MHz,	Z	4.83	67.75	16.96	0.40	130.0	
AAA	MCS5, 90pc duty cycle)	X	4.88	68.19	17.46	0.46	130.0	± 9.6 %
		Z	4.85 4.76	67.95	17.22		130.0	
10597-	IEEE 802.11n (HT Mixed, 20MHz,	X		67.74	16.97	0.40	130.0	
AAA	MCS6, 90pc duty cycle)	Y	4.83	68.07	17.33	0.46	130.0	± 9.6 %
			4.80	67.83	17.08	ļ	130.0	
10598- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.71 4.82	67.61 68.29	16.83 17.59	0.46	130.0 130.0	± 9.6 %
700	Moor, sopedaty cycle)	Y	4.79	68.08	17.36		130.0	_
-	-	Z	4.70	67.83	17.08		130.0 130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.54	68.17	17.50	0.46	130.0	± 9.6 %
		Y	5.51	67.99	17.30		130.0	
		Ż	5.43	67.80	17.08		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.69	68.70	17.74	0.46	130.0	± 9.6 %
		Y	5.65	68.47	17.52		130.0	
		Z	5.55	68.23	17.28		130.0	
10601- AAA	* IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	Х	5.56	68.37	17.60	0.46	130.0	± 9.6 %
		Υ	5.53	68.17	17.39		130.0	
		Z	5.44	67.97	17.16		130.0	
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.70	68.54	17.60	0.46	130.0	± 9.6 %
		Υ	5.66	68.33	17.38		130.0	
10000	155 000 11 (155)	Z	5.58	68.16	17.17		130.0	
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.78	68.87	17.89	0.46	130.0	± 9.6 %
		Y	5.75	68.67	17.69		130.0	
10604	IEEE 000 44- /III 54' 4 (014)	Z	5.64	68.42	17.44		130.0	
10604- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.65	68.51	17.70	0.46	130.0	± 9.6 %
_		Y	5.62	68.31	17.49		130.0	
10605-	IEEE 802.11n (HT Mixed, 40MHz,	_ Z	5.52	68.06	17.24		130.0	
AAA	MCS6, 90pc duty cycle)	X	5.67	68.56	17.73	0.46	130.0	± 9.6 %
	-	Y	5.64	68.34	17.50		130.0	
10606-	IEEE 802.11n (HT Mixed, 40MHz,	Z	5.54	68.11	17.26		130.0	
AAA	MCS7, 90pc duty cycle)	X	5.41	67.85	17.23	0.46 	130.0	± 9.6 %
	 	Y	5.38	67.63	17.01		130.0	
		Z	5.31	67.50	16.82		130.0	

10607-	IEEE 802.11ac WiFi (20MHz, MCS0,	X	4.73	67.22	17.05	0.46	130.0	T + 0 C 0/
<u>A</u> AA	90pc duty cycle)	^	4.70	07.22	17.05	0.46	130.0	± 9.6 %
		Y	4.69	66.99	16.81		130.0	
40000		Z	4.61	66.77	16.55		130.0	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.89	67.59	17.21	0.46	130.0	± 9.6 %
		Y	4.85	67.36	16.97		130.0	
40000		Z	4.76	67.12	16.70		130.0	· -
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	×	4.79	67.47	17.06	0.46	130.0	± 9.6 %
		Y	4.75	67.21	16.81		130.0	
10610-	IEEE 000 44 - 1855 (000 H 1 1 1000	Z	4.66	66.98	16.54		130.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.84	67.62	17.21	0.46	130.0	± 9.6 %
		<u> </u>	4.80	67.38	16.98		130.0	
10611-	IEEE 802.11ac WiFi (20MHz, MCS4,	Z	4.71	67.13	16.70		130.0	
AAA	90pc duty cycle)		4.75	67.43	17.07	0.46	130.0	± 9.6 %
		_ Y	4.71	67.19	16.83		130.0	
10612-	IEEE 802.11ac WiFi (20MHz, MCS5,	Z	4.62	66.94	16.55		130.0	
AAA	90pc duty cycle)	X	4.76	67.63	17.15	0.46	130.0	±9.6%
	 	Y	4.72	67.36	16.89		130.0	
10613-	IEEE 802.11ac WiFi (20MHz, MCS6,	Z	4.62	67.11	16.61		130.0	
AAA	90pc duty cycle)	X	4.76	67.45	16.99	0.46	130.0	± 9.6 %
		Y	4.71	67.17	16.73	_	130.0	
10614-	IEEE 802.11ac WiFi (20MHz, MCS7,	Z	4.62	66.92	16.46		130.0	
AAA	90pc duty cycle)	X	4.71	67.65	17.23	0.46	130.0	±9.6 %
		Y	4.68	67.41	16.99		130.0	
10615-	IEEE 000 44 on MEE: (OOM) - MOOO	Z	4.58	67.13	16.69		130.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.75	67.29	16.86	0.46	130.0	± 9.6 %
 -		Y	4.71	67.01	16.59		130.0	
10616-	IEEE 000 44 on WEE: (40MH- MOOO	_ Z	4.62	66.80	16.34		130.0	
AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	Х	5.36	67.41	17.11	0.46	130.0	± 9.6 %
		<u> Y</u>	5.32	67.22	16.91		130.0	
10617-		Z	5.24	67.01	16.67		130.0	
AAA	HEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	Х	5.44	67.66	17,21	0.46	130.0	± 9.6 %
		<u> </u>	5.40	67.45	17.00		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	Z X	5.30 5.34	67.20 67.71	16.74 17.26	0.46	130.0 130.0	± 9.6 %
•	2200 0001 01001	Y	5.30	67.51	17.04	<u> </u>	130.0	<u> </u>
		Z	5.21	67.26	16.79		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.34	67.48	17.07	0.46	130.0	± 9.6 %
		Y	5.30	67.27	16.86		130.0	
		Z	5.22	67.06	16.62		130.0	-
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.41	67.47	17.11	0.46	130.0	± 9.6 %
		Y	5.38	67.26	16.90		130.0	
	·	Z	5.29	67.06	16.67		130.0	
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	Х	5.41	67.55	17.27	0.46	130.0	± 9.6 %
		Y	5.38	67.38	17.08		130.0	
		Z	5.29	67.14	16.82		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	Х	5.42	67.70	17.34	0.46	130.0	± 9.6 %
		Υ	5.38	67.50	17.14	-	130.0	
		Z	5.29	67.26	16.88		130.0	

10623-	IEEE 802.11ac WiFi (40MHz, MCS7,	Х	5.29	67.21	16.97	0.46	130.0	+069/
AAA	90pc duty cycle)	^	5.25	07.21	10.97	0.46	130.0	± 9.6 %
		Υ	5.26	67.01	16.75		130.0	
		Z	5.17	66.80	16.52		130.0	
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.49	67.44	17.13	0.46	130.0	± 9.6 %
		Y	5.46	67.25	16.93		130.0	
		Z	5.37	67.04	16.70		130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	Х	5.67	67.85	17.40	0.46	130.0	± 9.6 %
		Y	5.63	67.64	17.18		130.0	
40000		Z	5.49	67.29	16.88		130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	Х	5.67	67.37	17.01	0.46	130.0	± 9.6 %
		Y	5.64	67.20	16.82		130.0	
40007		Z	5.56	67.01	16.60		130.0	
10627- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	Х	5.95	68.11	17.34	0.46	130.0	± 9.6 %
		Y	5.91	67.91	17.14		130.0	
40000	IEEE 000 44	Z	5.81	67.67	16.90_		130.0	
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.68	67.42	16.93	0.46	130.0	± 9.6 %
 .		Y	5.65	67.22	16.73		130.0	
40000	IFF 000 44 MIE 200 W	Z	5.56	67.03	16.51		130.0	
10629- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.78	67.58	17.01	0.46	130.0	± 9.6 %
		Y	5.75	67.38	16.80		130.0	
40000	IEEE 000 44 148E (001 H) 148E (Z	5.66	67.19	16.59		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	Х	6.18	69.00	17.72	0.46	130.0	± 9.6 %
		Y	6.12	68.72	17.47		130.0	
10001	1555 000 44 NWS (000 W)	_ Z	5.97	68.32	17.16		130.0	
10631- AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.05	68.69	17.74	0.46	130.0	± 9.6 %
_		Y	6.02	68.51	17.56		130.0	
40000	1555 000 44 1455 400 11	Z	5.90	68.19	17.27		130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	Х	5.92	68.20	17.52	0.46	130.0	± 9.6 %
		Y	5.89	68.03	17.34		130.0	
40000		Z	5.79	67.79	17.09		130.0	
10633- AAA	* IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.75 	67.61	17.06	0.46	130.0	± 9.6 %
		Y	5.71	67.43	16.87		130.0	
40004		<u> Z</u>	<u>5.6</u> 1	67.18	16.62		130.0	
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.73	67.62	17.12	0.46	130.0	± 9.6 %
	<u> </u>	Y	5.70	67.45	16.93		130.0	
10625		Z	5.61	67.26	16.71		130.0	
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	Х	5.59 	66.93	16.52	0.46	130.0	± 9.6 %
		Y	5.55	66.70	16.29		130.0	
10636-	IEEE 900 44gg WEE! (400 WE 1400)	_ Z	5.48	66.56	16.11	<u></u>	130.0	
AAB	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.10	67.70	17.06	0.46	130.0	± 9.6 %
	 	Y	6.07	67.53	16.88		130.0	
10637-	IEEE 902 1100 MIE: (100MI - MCC1	Z	5.99	67.35	16.67		130.0	
AAB	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.26	68.11	17.25	0.46	130.0	± 9.6 %
_	 	Y	6.22	67.93	17.06		130.0	
10629	IEEE 902 44gg MIE: (400MIE: A400C	Z	6.13	67.70	16.83		130.0	
10638- AAB	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	Х	6.27	68.11	17.23	0.46	130.0	± 9.6 %
		Y	6.23	67.92	17.04		130.0	
		z]	6.14	67.72	16.82		130.0	

10639- AAB	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.22	67.97	17.20	0.46	130.0	± 9.6 %
VVD.	aope daty cycle)	+-	6.18	67.80	17.02		120.0	
		† ż	6.10	67.60	16.80		130.0 130.0	
10640- AAB	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.21	67.98	17,15	0.46	130.0	± 9.6 %
		Y	6.17	67.78	16.95		130.0	
		Z	6.08	67.56	16.73		130.0	-
10641- _AAB	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	Х	6.30	68.00	17.18	0.46	130.0	± 9.6 %
		Y	6.26	67.81	16.98		130.0	
10010		Z	6.17	67.61	16.77		130.0	
10642- AAB	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.30	68.13	17.40	0.46	130.0	± 9.6 %
		<u> </u>	6.27	67.97	17.23		130.0	
10010		Z	6.18	67.76	17.01		130.0	
10643- AAB	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.16	67.91	17.20	0.46	130.0	± 9.6 %
_		Y	6.12	67.71	<u>1</u> 7.00		130.0	
40044		Z	6.03	67.50	16.78		130.0	<u> </u>
10644- AAB	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.24	68.16	17.34	0.46	130.0	± 9.6 %
		Y	6.20	67.95	17.14		130.0	
40045		Z	6.10	67.72	16.91		130.0	
10645- AAB	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.44	68.39	17.42	0.46	130.0	± 9.6 %
		Y	6.39	68.17	17.21		130.0	
10010		Z	6.27	67.87	16.95		130.0	
10646- AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	100.00	154.07	50.96	9.30	60.0	± 9.6 %
			100.00	149.19	48.64		60.0	
10647-	LTE TOD (OO EDWA 4 DD OO MIL	Z	100.00	151.77	49.64		60.0	
AAC AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	100.00	155.63	51.65	9.30	60.0	± 9.6 %
-		Y	100.00	150.58	49.25		60.0	
10648-	CDMA2000 (1x Advanced)	Z	100.00	153.26	50.29		60.0	
AAA		<u> </u>	7.29	96.44	23.44	0.00	150.0	± 9.6 %
		Y Z	1.15	71.60	14.63		150.0	
10652-	*LTE-TDD (OFDMA, 5 MHz, E-TM 3.1,		0.73	65.79	11.39	0.00	150.0	
AAB	Clipping 44%)	X	4.70	71.99	19.13	2.23	80.0	± 9.6 %
	 	Y	4.65	71.36	18.64		80.0	
10653- AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.32 4.86	70.31 69.58	17.98 18.56	2.23	80.0 80.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Y	4.87	69.28	18.24		80.0	 -
 -		Z	4.66	68.67	17.81		80.0 80.0	
10654-	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1,	X	4.78	68.93	18.47	2.23	80.0	+ O G 0/
AAB	Clipping 44%)	^ _Y -	4.81	68.69	18.18	۷.۷۵		± 9.6 %
	<u> </u>	Z	4.62	68.14			80.0	
10655-	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1,	X	4.62	68.76	17.78 18.45	2.23	80.0	± 9.6 %
AAB	Clipping 44%)	 		00.5:	45			ļ
		Υ 7	4.86	68.54	18.16		80.0	<u> </u>
		Z	4.67	68.01	17.79		80.0	

^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





Schweizerischer Kallbrierdienst Service suisse d'étalonnage 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

Accreditation No.: SCS 0108

Client

PC Test

Certificate No: ES3-3319_Mar17

C

CALIBRATION CERTIFICATE

Object

ES3DV3 - SN:3319

Calibration procedure(s)

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

BN 1

Calibration date:

March 14, 2017

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	06-Apr-16 (No. 217-02288/02289)	Apr-17
Power sensor NRP-Z91	SN: 103244	06-Apr-16 (No. 217-02288)	Apr-17
Power sensor NRP-Z91	SN: 103245	06-Apr-16 (No. 217-02289)	Apr-17
Reference 20 dB Attenuator	SN: S5277 (20x)	05-Apr-16 (No. 217-02293)	Арг-17
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-16)	In house check: Oct-17

Name Function Signature

Calibrated by: Jeton Kastrati

Laboratory Technician

Approved by: Katja Pokovic Technical Manager

Issued: March 16, 2017

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

Certificate No: ES3-3319_Mar17

Page 1 of 38

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

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 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, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005

c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010

d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

Certificate No: ES3-3319_Mar17

- NORMx,y,z: Assessed for E-field polarization θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the 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).

ES3DV3 -- SN:3319 March 14, 2017

Probe ES3DV3

SN:3319

Manufactured:

January 10, 2012

Calibrated:

March 14, 2017

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

March 14, 2017

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3319

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (µV/(V/m) ²) ^A	1.07	1.07	1.12	± 10.1 %
DCP (mV) ^B	102.5	101.2	103.5	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Unc ^t (k=2)
0	CW	Х	0.0	0.0	1.0	0.00	199.3	±3.5 %
		Y	0.0	0.0	1.0		195.9	
		Z	0.0	0.0	1.0		195.7	

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	Т6
Х	70.81	508.1	35.61	29.87	3.768	5.1	0.566	0.571	1.012
Υ	67.78	484.5	35.24	29.79	3.269	5.1	1.181	0.458	1.009
Z	70.95	506.9	35.21	30.32	4.051	5.1	1.117	0.534	1.012

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

^B Numerical linearization parameter: uncertainty not required.

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

March 14, 2017

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3319

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	6.76	6.76	6.76	0.52	1.48	± 12.0 %
835	41.5	0.90	6.46	6.46	6.46	0.59	1.35	± 12.0 %
1750	40.1	1.37	5.38	5.38	5.38	0.57	1.39	± 12.0 %
1900	40.0	1.40	5.20	5.20	5.20	0.80	1.13	± 12.0 %
2300	39.5	1.67	4.86	4.86	4.86	0.48	1.60	± 12.0 %
2450	39.2	1.80	4.60	4.60	4.60	0.76	1.23	± 12.0 %
2600	39.0	1.96	4.41	4.41	4.41	0.80	1.27	± 12.0 %

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

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 CopyE uncertainty for indicated target tissue parameters.

the ConvF uncertainty for indicated target tissue parameters.

Galpha/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.

ES3DV3- SN:3319 March 14, 2017

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3319

Calibration Parameter Determined in Body Tissue Simulating Media

			•		_			
f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	6.37	6.37	6.37	0.80	1.19	± 12.0 %
835	55.2	0.97	6.29	6.29	6.29	0.80	1.17	± 12.0 %
1750	53.4	1.49	5.07	5.07	5.07	0.57	1.50	± 12.0 %
1900	53.3	1.52	4.88	4.88	4.88	0.80	1.24	± 12.0 %
2300	52.9	1.81	4.62	4.62	4.62	0.80	1.21	± 12.0 %
2450	52.7	1.95	4.42	4.42	4.42	0.80	1.25	± 12.0 %
2600	52.5	2.16	4.18	4.18	4.18	0.80	1.25	± 12.0 %

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

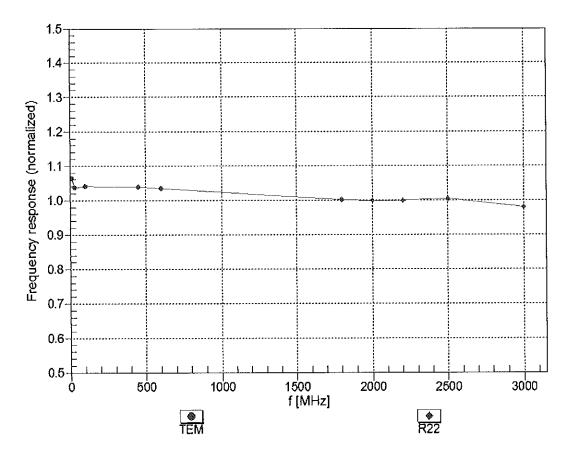
validity can be extended to ± 110 MHz.

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

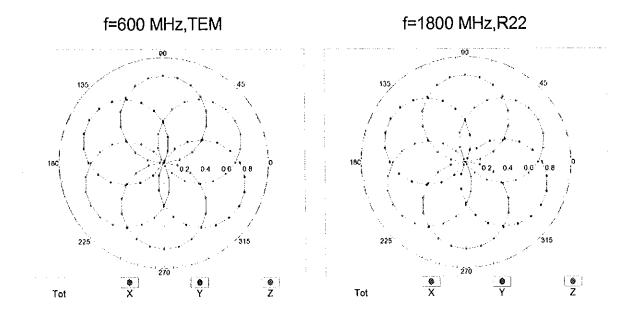
⁶ Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

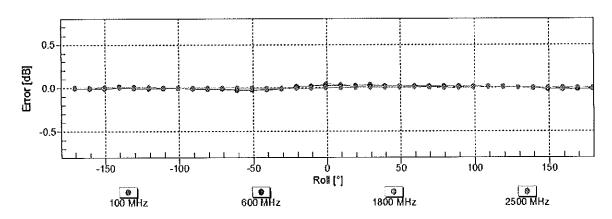
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

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

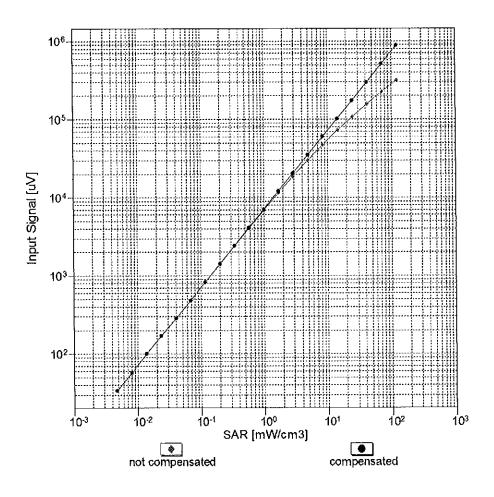


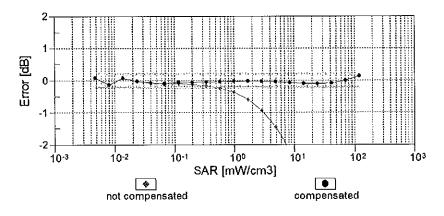


Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

March 14, 2017

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

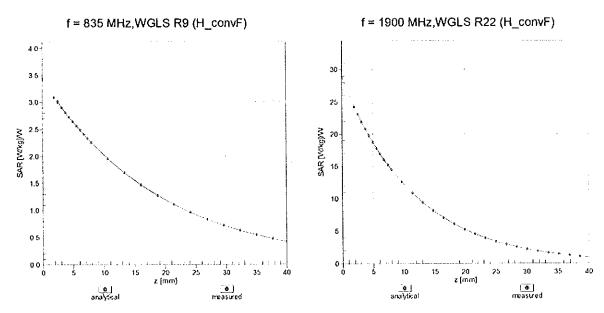




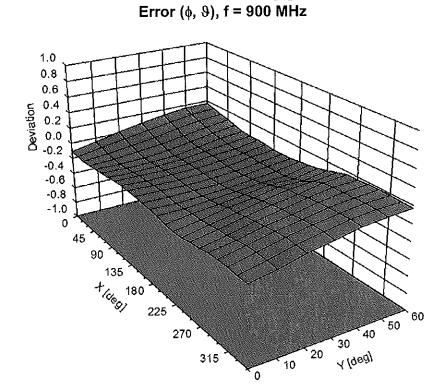
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

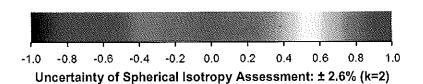
ES3DV3- SN:3319 March 14, 2017

Conversion Factor Assessment



Deviation from Isotropy in Liquid





ES3DV3- SN:3319 March 14, 2017

DASY/EASY - Parameters of Probe: ES3DV3 - SN:3319

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	59.3
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

ES3DV3-SN:3319

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max Unc ^E (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	199.3	± 3.5 %
		Y	0.00	0.00	1.00		195.9	
10010-	SAR Validation (Square, 100ms, 10ms)	Z	0.00	0.00	1.00	40.00	195.7	. 0.00/
CAA	SAR validation (Square, 100ms, 10ms)	X	9.85	81.84	20.91	10.00	25.0	± 9.6 %
		Υ	10.35	82.84	20.96		25.0	
10011		Z	9.24	80.45	20.49		25.0	
10011- CAB	UMTS-FDD (WCDMA)	Х	1.42	72.72	18.48	0.00	150.0	± 9.6 %
		Y	1.15 1.19	68.46 69.33	16.03 16.47		150.0 150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.19	66.60	17.14	0.41	150.0	± 9.6 %
		Υ	1.35	65.41	16.14		150.0	
		Z	1.37	65.70	16.31		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	Х	5.30	67.44	17.71	1.46	150.0	± 9.6 %
		Υ	5.25	67.26	17.48		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	Z X	5.29 15.55	67.34 91.05	17.54 25.81	9.39	150.0 50.0	± 9.6 %
טאט		Y	21.52	97.05	27.50		50.0	
		Z	13.40	88.00	24.84		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	14.67	89.87	25.47	9.57	50.0	± 9.6 %
		Υ	19.36	95.07	26.93		50.0	
		Z	12.87	87.11	24.58		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	Х	72.67	116.69	31.50	6.56	60.0	± 9.6 %
		Y	100.00	120.97	32.15		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	Z X	31.96 17.81	103.34 101.87	28.02 38.70	12.57	60.0 50.0	± 9.6 %
<i>D</i> 7.0		Υ	13.13	92.90	34.83		50.0	
		Z	14.72	95.03	35.71		50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	18.31	99.96	34.53	9.56	60.0	± 9.6 %
		Υ	16.31	97.17	33.33		60.0	
		Z	16.55	96.65	33.14		60.0	2.2.21
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	120.78	31.24	4.80	80.0	± 9.6 %
		Y Z	100.00 100.00	119.86 120.27	30.63 31.10		80.0 80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	121.31	30.58	3.55	100.0	± 9.6 %
		Y	100.00	120.10	29.87		100.0	
		Z	100.00	120.31	30.21		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	13.74	94.06	31.43	7.80	80.0	± 9.6 %
		Y	12.10	91.11	30.13		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	12.69 100.00	91.48 120.44	30.26 31.46	5.30	70.0	± 9.6 %
		Y	100.00	119.51	30.84		70.0	
		Z	86.39	117.92	30.89		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Х	100.00	124.75	30.39	1.88	100.0	± 9.6 %
		Y	100.00	122.04	29.08		100.0	
		Z	100.00	122.19	29.33		100.0	

CAA DH1) Y 16.39 95.85 27.05 70.0	10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Χ	100.00	132.42	32.41	1.17	100.0	± 9.6 %
LEEE 802_15.1 Bluelooth (PI/4-DQPSK, DH1)			Y	100.00	127.37	30.18		100.0	
1003-									
The color of the			Х	16.06			5.30		± 9.6 %
10034- IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)				16.39	95.85	27.05		70.0	
CAA DH3)					90.50	25.41		70.0	
DO35- CAA DH5							1.88		± 9.6 %
10036- IEEE 802.15.1 Bluetooth (PI/I-DQPSK, DH5)					88.38			100.0	
CAA					86.60	22.76		100.0	
Tebus Canal Cana							1.17		± 9.6 %
10036- CAA									
CAA Y 19.46 98.99 28.08 70.0									
TO037-		IEEE 802.15.1 Bluetooth (8-DPSK, DH1)					5.30		± 9.6 %
10037-								70.0	
CAA Y 7.46 87.90 23.09 100.0 10038- CAA IEEE 802.15.1 Bluetcoth (8-DPSK, DH5) X 6.72 89.10 23.77 1.17 100.0 ±9.6 CAA Y 4.58 88.255 21.16 100.0 ±9.6 CAB Y 4.59 82.28 21.12 100.0 ±9.6 CAB CDMA2000 (1xRTT, RC1) X 2.88 78.08 19.66 0.00 150.0 ±9.6 CAB Y 2.19 73.41 17.38 150.0 100.0 ±9.6 CAB IS-54 / IS-136 FDD (TDMA/FDM, PI/4- X 29.89 101.32 27.42 7.78 50.0 ±9.6 CAB IS-91/EIA/TIA-553 FDD (FDMA, FM) X 29.89 101.32 27.42 7.78 50.0 ±9.6 10044- CAA IS-91/EIA/TIA-553 FDD (FDMA, FM) X 0.01 96.41 0.53 150.0 ±9.6 10049- CAA IS-91/EIA/TIA-553 FDD (FDMA, FM) X 10.82 81.									
DOUBLE CAA		IEEE 802.15.1 Bluetooth (8-DPSK, DH3)					1.88		± 9.6 %
10038-									
CAA Y 4.58 82.55 21.16 100.0 10039- CAB CDMA2000 (1xRTT, RC1) X 2.88 78.08 19.66 0.00 150.0 ± 9.6 CAB Y 2.19 73.41 17.38 150.0 ± 9.6 10042- CAB IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate) X 29.89 101.32 27.42 7.78 50.0 ± 9.6 10042- CAB IS-54 / IS-136 FDD (FDMA/FDM, PI/4- DQPSK, Halfrate) X 29.89 101.32 27.42 7.78 50.0 ± 9.6 10044- CAA IS-91/EIA/TIA-553 FDD (FDMA, FM) X 0.01 60.00 29147. 0.00 0.00 150.0 ± 9.6 10048- CAA IS-91/EIA/TIA-553 FDD (FDMA, FM) X 0.01 60.00 29147. 0.00 0.00 150.0 ± 9.6 10048- CAA DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) X 10.82 81.42 24.20 13.80 25.0 ± 9.6 10049- CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) X 10.45 80.2									
CDMA2000 (1xRTT, RC1)		IEEE 802.15.1 Bluetooth (8-DPSK, DH5)					1.17		± 9.6 %
CDMA2000 (1xRTT, RC1)									
CAB CAB CAB CAB CAB CAB CAB CAB				4.59					
10042-		CDMA2000 (1xRTT, RC1)				<u> </u>	0.00	150.0	± 9.6 %
10042- CAB	*****					17.38		150.0	
CAB DQPSK, Halfrate) Y 57.75 111.39 29.82 50.0 10044-CAA IS-91/EIA/TIA-553 FDD (FDMA, FM) X 0.01 60.00 29147. 0.00 150.0 ± 9.6 CAA Y 0.00 108.36 0.61 150.0 150.0 ± 9.6 10048-CAA DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) X 10.82 81.42 24.20 13.80 25.0 ± 9.6 10048-CAA DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24) X 10.45 80.25 23.85 25.0 ± 9.6 10049-CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) X 12.11 85.56 24.37 10.79 40.0 ± 9.6 10049-CAA DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) X 12.11 85.56 24.37 10.79 40.0 ± 9.6 10056-CAA UMTS-TDD (TD-SCDMA, 1.28 Mcps) X 12.14 85.93 24.81 9.03 50.0 ± 9.6 10058-CAA UMTS-TDD (TDMA, 8PSK, TN 0-1-2-3) X 10.68			Z	2.24	73.69	17.58		150.0	
10044- 1S-91/EIA/TIA-553 FDD (FDMA, FM) X 0.01 80.00 29147, 0.00 150.0 ± 9.6							7.78		± 9.6 %
10044- CAA			Υ	57.75	111.39	29.82		50.0	
CAA Y 0.01 96.41 0.53 150.0			Ζ	20.04		25.49		50.0	
DECT (TDD, TDMA/FDM, GFSK, Full X 10.82 81.42 24.20 13.80 25.0 ± 9.6		IS-91/EIA/TIA-553 FDD (FDMA, FM)				00	0.00]	± 9.6 %
10048- CAA Slot, 24 Slot, 12 Slot,			Υ	0.01		0.53		150.0	
CAA Slot, 24) Y 12.01 84.16 25.00 25.0 Z 10.45 80.25 23.85 25.0 DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12) Y 14.10 88.79 25.27 40.0 Z 11.33 83.90 23.85 40.0 10056- CAA			Z		108.36	0.61		150.0	
Today							13.80		± 9.6 %
DECT (TDD, TDMA/FDM, GFSK, Double Solot, 12) S5.56 24.37 10.79 40.0 ± 9.6					84.16	25.00		25.0	
CAA Slot, 12) Y 14.10 88.79 25.27 40.0 10056- CAA UMTS-TDD (TD-SCDMA, 1.28 Mcps) X 12.14 85.93 24.81 9.03 50.0 ±9.6 Y 12.75 87.19 25.07 50.0 Z 11.32 84.12 24.10 50.0 10058- DAC Y 9.42 86.65 27.81 100.0 EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) X 10.68 89.49 29.10 6.55 100.0 ±9.6 Y 9.42 86.65 27.81 100.0 Z 10.05 87.45 28.09 100.0 IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 X 1.65 69.30 18.41 0.61 110.0 Y 1.54 67.66 17.23 110.0 LEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X 100.00 134.53 35.47 1.30 110.0 ±9.6 Mbps) Y 100.00 134.53 35.47 1.30 110.0 ±9.6			Z	10.45	80.25	23.85		25.0	_
Tour Company					85.56	24.37	10.79	40.0	± 9.6 %
10056-CAA UMTS-TDD (TD-SCDMA, 1.28 Mcps) X 12.14 85.93 24.81 9.03 50.0 ± 9.6 CAA Y 12.75 87.19 25.07 50.0 50.0 10058-DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) X 10.68 89.49 29.10 6.55 100.0 ± 9.6 Y 9.42 86.65 27.81 100.0									
CAA Y 12.75 87.19 25.07 50.0 10058- DAC PY 9.42 86.65 27.81 100.0 TOUSS- CAB Mbps) Y 1.54 67.66 17.23 110.0 IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X 100.00 134.53 35.47 1.30 110.0 Y 100.00 132.25 34.36 110.0								40.0	
The image of the		UMTS-TDD (TD-SCDMA, 1.28 Mcps)					9.03	50.0	± 9.6 %
10058-DAC EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3) X 10.68 89.49 29.10 6.55 100.0 ± 9.6 AC Y 9.42 86.65 27.81 100.0 100.0 10059-CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) X 1.65 69.30 18.41 0.61 110.0 ± 9.6 10060-CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) X 100.00 134.53 35.47 1.30 110.0 ± 9.6 Y 100.00 132.25 34.36 110.0 ± 9.6								50.0	
DAC Y 9.42 86.65 27.81 100.0 10059- CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) X 1.65 69.30 18.41 0.61 110.0 ± 9.6 10060- CAB Y 1.54 67.66 17.23 110.0 <									
Topic Topi		EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)					6.55		± 9.6 %
10059- CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps) X 1.65 69.30 18.41 0.61 110.0 ± 9.6 Y 1.54 67.66 17.23 110.0 Z 1.58 68.07 17.43 110.0 10060- CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) X 100.00 134.53 35.47 1.30 110.0 ± 9.6 Y 100.00 132.25 34.36 110.0							ļ		
10060- CAB IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps) X 100.00 132.25 34.36 110.0 10060- CAB Y 100.00 132.25 34.36 110.0							0.61		± 9.6 %
Toological Property of the Control	UAU	(viopa)	V	151	67.00	47.00		440.0	
10060- IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X 100.00 134.53 35.47 1.30 110.0 ± 9.6 Mbps) Y 100.00 132.25 34.36 110.0									
Y 100.00 132.25 34.36 110.0							1.30		± 9.6 %
	OVD	(MIDPO)	V	100.00	120.05	24.00	·	440.0	
Z 100.00 131.68 34.21 110.0									

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	15.72	103.92	29.80	2.04	110.0	± 9.6 %
		Y	9.78	95.24	26.89		110.0	
		Z	9.50	94.05	26.46		110.0	
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	5.02	67.22	17.01	0.49	100.0	± 9.6 %
		Y	4.97	67.04	16.79		100.0	
		Z	5.00	67.08	16.82		100.0	-
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	Х	5.07	67.40	17.16	0.72	100.0	± 9.6 %
		Υ	5.02	67.21	16.94		100.0	
		Z	5.04	67.26	16.97		100.0	
10064- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	Х	5.43	67.77	17.43	0.86	100.0	± 9.6 %
		Y	5.38	67.58	17.21		100.0	
		Z	5.41	67.64	17.25		100.0	
10065- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	5.34	67.82	17.61	1.21	100.0	± 9.6 %
		Υ	5.28	67.62	17.38		100.0	
		Z	5.32	67.69	17.43		100.0	
10066- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	Х	5.40	67.98	17.85	1.46	100.0	± 9.6 %
		Υ	5.34	67.76	17.61		100.0	
		Z	5.39	67.85	17.67		100.0	
10067- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.73	68.10	18.30	2.04	100.0	± 9.6 %
		Υ	5.66	67.87	18.05		100.0	
		Z	5.72	68.01	18.13		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.90	68.56	18.70	2.55	100.0	± 9.6 %
		Y	5.82	68.29	18.44		100.0	
		Z	5.90	68.48	18.54		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.97	68.43	18.86	2.67	100.0	± 9.6 %
		Υ	5.89	68.17	18.59		100.0	
		Z	5.97	68.35	18.70		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	Х	5.46	67.71	18.10	1.99	100.0	± 9.6 %
		Υ	5.40	67.50	17.87		100.0	
		Z	5.45	67.61	17.94		100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	Х	5.55	68.34	18.45	2.30	100.0	± 9.6 %
		Y	5.48	68.10	18.20		100.0	
		Z	5.55	68.24	18.28		100.0	1
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	Х	5.71	68.73	18.89	2.83	100.0	± 9.6 %
		Y	5.63	68.45	18.63		100.0	
		Z	5.71	68.65	18.73		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.76	68.86	19.19	3.30	100.0	± 9.6 %
		Υ	5.67	68.55	18.90		100.0	
		Z	5.77	68.80	19.03		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	Х	5.97	69.51	19.77	3.82	90.0	± 9.6 %
		Υ	5.85	69.11	19.43		90.0	
		Z	5.99	69.45	19.61		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	Х	5.96	69.27	19.86	4.15	90.0	± 9.6 %
		Y	5.85	68.87	19.52		90.0	
		Z	5.99	69.24	19.72		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	Х	6.00	69.37	19.97	4.30	90.0	± 9.6 %
		Υ	5.89	68.96	19.62		90.0	
		Z	6.03	69.34	19.83	Ī	90.0	

10081- CAB	CDMA2000 (1xRTT, RC3)	X	1.41	72.76	17.31	0.00	150.0	± 9.6 %
		Y	1.06	67.92	14.61	-	150.0	
		Z	1.11	68.62	15.03	†	150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	2.74	66.09	10.68	4.77	80.0	± 9.6 %
		Υ	2.51	65.26	10.02		80.0	
		Z	2.76	65.88	10.66		80.0	
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	68.83	115.90	31.34	6.56	60.0	± 9.6 %
		Y	100.00	121.06	32.22		60.0	
10097-	LIMTO EDD (HODDA)	Z	31.05	102.92	27.93		60.0	<u> </u>
CAB	UMTS-FDD (HSDPA)	X	2.05	69.35	17.13	0.00	150.0	±9.6%
		Y	1.92	67.86	16.10		150.0	
10098-	UMTS-FDD (HSUPA, Subtest 2)		1.93	68.06	16.23		150.0	
CAB	UNITS-PDD (INSUPA, Subject 2)	X	2.02	69.37	17.13	0.00	150.0	± 9.6 %
		- <u>-</u>	1.88	67.83	16.06		150.0	
10099-	EDGE-FDD (TDMA, 8PSK, TN 0-4)	Z	1.90	68.05	16.21		150.0	
DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	18.22	99.79	34.47	9.56	60.0	± 9.6 %
		Y	16.25	97.06	33.29		60.0	
10100-	LITE EDD (CC EDMA 1000/ DD 00	Z	16.47	96.50	33.09		60.0	
CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.71	72.76	17.93	0.00	150.0	± 9.6 %
		Y	3.41	71.21	17.05		150.0	
10101-	LTE EDD (CC EDMA 4000/ DD 00	Z	3.48	71.52	17.17		150.0	
CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	Х	3.57	68.80	16.73	0.00	150.0	± 9.6 %
		Y	3.46	68.11	16.22		150.0	
40400	1.75 500 (00 50)	Z	3.49	68.27	16.30		150.0	
10102- CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	Х	3.66	68.61	16.75	0.00	150.0	± 9.6 %
		Y	3.56	68.02	16.30		150.0	
40400		Z	3.58	68.13	16.36		150.0	
10103- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	Х	8.88	78.01	21.33	3.98	65.0	± 9.6 %
		Y	8.67	77.74	21.13		65.0	
10101		Z	8.55	77.02	20.81		65.0	
10104- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	8.93	77.00	21.79	3.98	65.0	± 9.6 %
		Υ	8.73	76.65	21.51		65.0	
10105		Z	8.82	76.47	21.44		65.0	
10105- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	7.98	74.72	21.06	3.98	65.0	± 9.6 %
		Υ	8.03	74.96	21.06		65.0	
40400	LTE EDD (OO EDLA LOOK DE LO	Z	7.61	73.51	20.40		65.0	
10108- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	3.27	71.88	17.76	0.00	150.0	± 9.6 %
		Y	3.02	70.38	16.87		150.0	
10100	LTE FDD (00 5014) 4000 50 10	Z	3.08	70.66	16.99		150.0	
10109- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.25	68.64	16.73	0.00	150.0	± 9.6 %
		Y	3.13	67.91	16.18		150.0	
40440	LTE EDD (OO ED)	Z	3.16	68.05	16.25		150.0	
10110- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.71	70.99	17.56	0.00	150.0	± 9.6 %
		Y	2.49	69.37	16.56		150.0	
40444	LITE FOR (OO TOUR)	Z	2.54	69.69	16.72		150.0	
10111- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.94	69.24	17.11	0.00	150.0	± 9.6 %
		Y	2.83	68.45	16.51		150.0	
		Z	2.85	68.47	16.54		150.0	

10112-	LTE-FDD (SC-FDMA, 100% RB, 10	X	3.35	68.45	16.70	0.00	150.0	1000
CAD	MHz, 64-QAM)			00.40	16.70	0.00	150.0	± 9.6 %
		Υ	3.25	67.82	16.20		150.0	
		Z	3.28	67.92	16.26		150.0	
10113- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	3.09	69.18	17.14	0.00	150.0	± 9.6 %
		Υ	2.99	68.50	16.60		150.0	
		Ζ	3.00	68.49	16.61		150.0	
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	Х	5.36	67.61	16.76	0.00	150.0	± 9.6 %
		Υ	5.31	67.41	16.53		150.0	
		Z	5.33	67.45	16.56		150.0	
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.78	68.00	16.95	0.00	150.0	± 9.6 %
		Υ	5.71	67.76	16.71		150.0	
10110		Z	5.74	67.85	16.76		150.0	
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5.50	67.87	16.80	0.00	150.0	± 9.6 %
		Υ	5.45	67.67	16.59		150.0	
1011-		Z	5.46	67.70	16.60		150.0	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.37	67.63	16.79	0.00	150.0	± 9.6 %
		Υ	5.32	67.44	16.57		150.0	
		Ζ	5.33	67.46	16.59		150.0	
10118- CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	Х	5.80	67.97	16.94	0.00	150.0	± 9.6 %
		Υ	5.75	67.80	16.74		150.0	
		Z	5.76	67.82	16.75		150.0	
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	Х	5.47	67.83	16.80	0.00	150.0	± 9.6 %
		. Y	5.42	67.63	16.58		150.0	
		Z	5.43	67.65	16.60		150.0	
10140- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.71	68.61	16.68	0.00	150.0	± 9.6 %
		Υ	3.61	68.02	16.22		150.0	
		Z	3.64	68.14	16.28		150.0	
10141- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.82	68.57	16.77	0.00	150.0	± 9.6 %
		Υ	3.73	68.05	16.36		150.0	
		Z	3.75	68.13	16.40		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.49	71.10	17.54	0.00	150.0	± 9.6 %
		Υ	2.27	69.32	16.43		150.0	
		Z	2.31	69.61	16.60		150.0	
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	Х	2.87	70.15	17.21	0.00	150.0	±9.6 %
		Υ	2.72	69.17	16.50		150.0	
		Z	2.73	69.14	16.52		150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	Х	2.68	68.25	15.88	0.00	150.0	± 9.6 %
		Υ	2.54	67.28	15.14		150.0	
		Z	2.58	67.43	15.28		150.0	
10145- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	Х	1.97	70.87	16.37	0.00	150.0	± 9.6 %
		Υ	1.68	68.25	14.76		150.0	
10146-	LTE-FDD (SC-FDMA, 100% RB, 1.4	Z X	1.73 4.75	68.59 78.42	15.05 19.14	0.00	150.0 150.0	± 9.6 %
CAD	MHz, 16-QAM)	<u> </u>			4.5		1	1
		Υ	3.83	74.52	16.97		150.0	
10447		Z	4.41	76.61	18.14	0.00	150.0	1000
10147- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	6.27	82.79	20.95	0.00	150.0	± 9.6 %
		Y	5.05	78.64	18.78		150.0	
		Z	5.67	80.46	19.79	L	150.0	1

10149- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	Х	3.26	68.70	16.77	0.00	150.0	± 9.6 %
		Y	3.14	67.97	16.22		150.0	
		Z	3.17	68.10	16.29		150.0	
10150- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	3.36	68.50	16.73	0.00	150.0	± 9.6 %
		Υ	3.26	67.87	16.24		150.0	
		Z	3.28	67.96	16.30		150.0	
10151- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	Х	9.26	79.92	22,22	3.98	65.0	± 9.6 %
		Υ	9.15	79.84	22.08		65.0	
<u> </u>		Ζ	8.96	78.94	21.70		65.0	
10152- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	Х	8.60	77.27	21.75	3.98	65.0	± 9.6 %
		Υ	8.35	76.82	21.41		65.0	
407-0		Z	8.46	76.64	21.35		65.0	
10153- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	×	8.88	77.79	22.28	3.98	65.0	± 9.6 %
		Υ	8.70	77.50	22.02		65.0	
		Z	8.75	77.18	21.89		65.0	
10154- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	2.78	71.52	17.87	0.00	150.0	± 9.6 %
		Υ	2.56	69.90	16.88		150.0	
10/		Z	2.60	70.17	17.01		150.0	
10155- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	Х	2.94	69.23	17.11	0.00	150.0	± 9.6 %
		Υ	2.83	68.44	16.51		150.0	
		Z	2.85	68.47	16.54		150.0	
10156- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	Х	2.40	71.71	17.74	0.00	150.0	± 9.6 %
		Y	2.14	69.64	16.49		150.0	
		Z	2.19	69.95	16.67		150.0	
10157- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	Х	2.56	69.20	16.24	0.00	150.0	± 9.6 %
		Υ	2.39	67.98	15.37		150.0	
		Z	2.42	68.11	15.51		150.0	
10158- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	Х	3.10	69.22	17.17	0.00	150.0	± 9.6 %
		Y	2.99	68.55	16.64		150.0	
		Z	3.00	68.53	16.65		150.0	
10159- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.68	69.58	16.50	0.00	150.0	± 9.6 %
		Y	2.51	68.44	15.68		150.0	
		Z	2.54	68.50	15.78		150.0	
10160- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	Х	3.14	70.23	17.31	0.00	150.0	± 9.6 %
		Y	2.97	69.12	16.58		150.0	
		Z	3.01	69.30	16.67		150.0	
10161- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.25	68.37	16.69	0.00	150.0	± 9.6 %
		Υ	3.15	67.75	16.20		150.0	
		Z	3.17	67.82	16.25		150.0	
10162- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	Х	3.35	68.34	16.71	0.00	150.0	±9.6 %
		Υ	3.25	67.77	16.24		150.0	
10155		Z	3.27	67.82	16.29		150.0	
10166- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.16	70.95	20.14	3.01	150.0	± 9.6 %
		Υ	4.09	70.57	19.65		150.0	
1015-		Z	4.23	71.07	20.00		150.0	
10167- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.42	74.49	20.88	3.01	150.0	± 9.6 %
		Υ	5.38	74.26	20.45		150.0	
	1	Ζ	5.66	74.92	20.85		150.0	

10168-	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz,	Х	5.88	76.24	21.91	3.01	150.0	± 9.6 %
CAD	64-QAM)							
		Y	5.94	76.40	21.68		150.0	
10169-	LITE FDD (OO FDLIA A DD OO W)	Z	6.16	76.77	21.92		150.0	
CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	4.00	73.62	21.32	3.01	150.0	± 9.6 %
		Υ	3.90	72.96	20.64		150.0	
		Ζ	4.22	74.22	21.31	-	150.0	
10170- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	Х	6.31	81.51	24.09	3.01	150.0	± 9.6 %
		Υ	6.48	81.75	23.78		150.0	
		Z	7.05	82.86	24.27		150.0	
10171- AAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	5.08	76.75	21.32	3.01	150.0	± 9.6 %
		Υ	4.94	75.94	20.54		150.0	
		Z	5.51	77.53	21.31		150.0	
10172- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	Х	28.35	107.78	33.34	6.02	65.0	± 9.6 %
		Y	28.59	107.61	32.92		65.0	
		Ζ	27.19	105.85	32.47		65.0	
10173- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	Х	29.50	104.02	30.66	6.02	65.0	± 9.6 %
		Υ	34.69	106.60	31.03		65.0	
		Z	27.86	101.98	29.79		65.0	
10174- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	23.87	98.93	28.69	6.02	65.0	± 9.6 %
		Y	26.66	100.64	28.84		65.0	
		Ζ	22.60	97.09	27.89		65.0	
10175- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	Х	3.94	73.23	21.05	3.01	150.0	± 9.6 %
		Y	3.83	72.52	20.34		150.0	
		Z	4.15	73.80	21.02		150.0	
10176- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	Х	6.32	81.53	24.10	3.01	150.0	± 9.6 %
		Υ	6.49	81.78	23.79		150.0	
		Z	7.06	82.89	24.28		150.0	~
10177- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	Х	3.98	73.42	21.16	3.01	150.0	± 9.6 %
		Y	3.88	72.74	20.47		150.0	
		Z	4.19	74.00	21.14		150.0	
10178- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	6.20	81.16	23.93	3.01	150.0	± 9.6 %
		Υ	6.35	81.32	23.59		150.0	
		Z	6.91	82.48	24.09		150.0	
10179- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	Х	5.64	78.94	22.55	3.01	150.0	± 9.6 %
		Υ	5.60	78.53	21.96		150.0	
		Ζ	6.18	79.93	22.60		150.0	
10180- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	Х	5.06	76.62	21.25	3.01	150.0	± 9.6 %
		Υ	4.91	75.79	20.46		150.0	
		Z	5.47	77.39	21.24		150.0	
10181- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	Х	3.98	73.40	21.15	3.01	150.0	± 9.6 %
		Y	3.87	72.72	20.46		150.0	
		Ζ	4.18	73.98	21.13		150.0	
10182- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	6.19	81.13	23.92	3.01	150.0	± 9.6 %
		Υ	6.34	81.29	23.57		150.0	
		Z	6.90	82.45	24.08		150.0	
10183- AAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	Х	5.05	76.59	21.24	3.01	150.0	± 9.6 %
AAB								
		Y	4.90	75.76	20.45		150.0	

10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	Х	3.99	73.45	21.17	3.01	150.0	± 9.6 %
		Y	3.89	72.78	20.49		150.0	
		ż	4.20	74.03	21.16		150.0	
10185- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	6.23	81.21	23.95	3.01	150.0	± 9.6 %
		Υ	6.37	81.39	23.62		150.0	
		Z	6.94	82.53	24.12		150.0	
10186- AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	5.08	76.67	21.27	3.01	150.0	± 9.6 %
		Y	4.93	75.84	20.48		150.0	
		Z	5.49	77.44	21.26		150.0	
10187- CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	Х	4.00	73.48	21.22	3.01	150.0	± 9.6 %
		Υ	3.89	72.80	20.53		150.0	
		Z	4.21	74.07	21.20		150.0	
10188- CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	×	6.48	82.07	24.38	3.01	150.0	± 9.6 %
		Υ	6.71	82.45	24.13		150.0	
		Z	7.27	83.49	24.57		150.0	
10189- AAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	Х	5.21	77.21	21.58	3.01	150.0	± 9.6 %
		Υ	5.09	76.46	20.83		150.0	
		Ζ	5.66	78.03	21.58		150.0	
10193- CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.79	66.98	16.56	0.00	150.0	± 9.6 %
		Υ	4.74	66.79	16.32		150.0	
		Ζ	4.76	66.81	16.35		150.0	
10194- CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	5.00	67.38	16.67	0.00	150.0	± 9.6 %
		Υ	4.95	67.18	16.43		150.0	
		Ζ	4.97	67.21	16.46		150.0	
10195- CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	Х	5.04	67.38	16.66	0.00	150.0	±9.6%
		Υ	4.99	67.18	16.43		150.0	
		Ζ	5.00	67.20	16.45		150.0	
10196- CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	Х	4.82	67.11	16.60	0.00	150.0	± 9.6 %
		Υ	4.77	66.91	16.36		150.0	
		Ζ	4.78	66.93	16.39		150.0	
10197- CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	Х	5.02	67.40	16.67	0.00	150.0	± 9.6 %
		Y	4.97	67.20	16.44		150.0	
		Z	4.98	67.22	16.46		150.0	
10198- CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	Х	5.05	67.39	16.67	0.00	150.0	± 9.6 %
		Υ	5.00	67.20	16.44		150.0	
		Z	5.01	67.21	16.46		150.0	
10219- CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	Х	4.77	67.13	16.58	0.00	150.0	± 9.6 %
		Υ	4.72	66.92	16.33		150.0	
		Ζ	4.73	66.95	16.36		150.0	
10220- CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	Х	5.02	67.40	16.68	0.00	150.0	± 9.6 %
		Υ	4.97	67.20	16.44		150.0	
		Z	4.99	67.23	16.47		150.0	
10221- CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	Х	5.05	67.33	16.66	0.00	150.0	± 9.6 %
		Υ	5.00	67.13	16.44		150.0	
		Z	5.02	67.15	16.46		150.0	
10222- CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	Х	5.36	67.67	16.80	0.00	150.0	± 9.6 %
		Υ	5.31	67.46	16.57		150.0	
		Z	5.32	67.50	16.60	1	150.0	

10223- CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	Х	5.75	68.00	16.98	0.00	150.0	± 9.6 %
		Y	5.70	67.82	16.77	l	150.0	
		Z	5.71	67.82	16.78		150.0	
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	Х	5.42	67.80	16.78	0.00	150.0	±9.6 %
		Υ	5.36	67.58	16.55		150.0	
		Z	5.38	67.63	16.58		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	3.07	66.80	16.19	0.00	150.0	±9.6 %
		Υ	3.00	66.35	15.75		150.0	
40000		Z	3.01	66.39	15.81		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	30.74	104.89	30.99	6.02	65.0	± 9.6 %
		Y	36.94	107.88	31.47		65.0	
10227-	LTC TOD (OO FOLIA 4 DD 4 4 LUI	Z	29.00	102.81	30.11		65.0	
CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	Х	24.57	99.58	28.97	6.02	65.0	± 9.6 %
		Υ	28.65	102.05	29.35		65.0	
40000	LIE TOD (OO FOMA 4 DO 4 4 M	Z	23.52	97.91	28.22	ļ	65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	30.31	109.61	33.99	6.02	65.0	± 9.6 %
		Υ	29.44	108.70	33.37		65.0	
40000	LTS TOD (OO FDII)	Z	27.38	106.50	32.79		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	29.49	104.00	30.66	6.02	65.0	± 9.6 %
		Υ	34.74	106.61	31.04		65.0	
10000		Ζ	27.87	101.97	29.80		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	Х	23.73	98.88	28.69	6.02	65.0	± 9.6 %
		Υ	27.25	101.06	28.99		65.0	
		Z	22.75	97.24	27.95		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	29.15	108.72	33.67	6.02	65.0	± 9.6 %
		Υ	27.96	107.57	32.97		65.0	
		Z	26.38	105.67	32.48		65.0	
10232- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	Х	29.48	104.00	30.66	6.02	65.0	± 9.6 %
		Y	34.72	106.61	31.04		65.0	
		Z	27.86	101.97	29.80		65.0	
10233- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	23.75	98.91	28.70	6.02	65.0	± 9.6 %
		Υ	27.26	101.08	28.99		65.0	
1000 /		Z	22.77	97.26	27.96		65.0	
10234- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	27.90	107.69	33.28	6.02	65.0	± 9.6 %
		Y	26.50	106.35	32.52		65.0	
40005	LITE TOD (OO EDN)	Z	25.32	104.71	32.10		65.0	
10235- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	Х	29.56	104.06	30.68	6.02	65.0	± 9.6 %
		Y	34.83	106.68	31.06		65.0	
10000	LITE TOD (OO FOLK)	Z	27.92	102.02	29.81		65.0	
10236- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	Х	23.93	99.02	28.74	6.02	65.0	± 9.6 %
		Υ	27.48	101.20	29.02		65.0	
10237-	LTE-TDD (SC-FDMA, 1 RB, 10 MHz,	Z X	22.92 29.43	97.36 108.94	27.99 33.73	6.02	65.0 65.0	± 9.6 %
CAC	QPSK)	 , 	00.40	402 22	00.00		05.0	
		Y	28.18	107.75	33.02		65.0	
10238-	LITE TOD (SC EDMA 4 DD 45 ML)	Z X	26.59	105.85	32.53	0.00	65.0	1000
10238- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)		29.51	104.02	30.67	6.02	65.0	± 9.6 %
		Y	34.75	106.63	31.04		65.0	
		Z	27.87	101.98	29.80		65.0	

10239- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	Х	23.77	98.93	28.71	6.02	65.0	± 9.6 %
		Υ	27.27	101.10	29.00		65.0	
		Z	22.78	97.29	27.97		65.0	
10240- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	29.33	108.88	33.71	6.02	65.0	± 9.6 %
		Υ	28.09	107.69	33.00		65.0	
		Ζ	26.51	105.80	32.51		65.0	<u> </u>
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	12.97	86.83	27.84	6.98	65.0	± 9.6 %
		Y	12.74	86.49	27.42		65.0	
		Z	13.39	87.03	27.74		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	Х	11.77	84.58	26.87	6.98	65.0	± 9.6 %
		Υ	12.19	85.46	26.94		65.0	
40040		Z	12.90	86.14	27.32		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	9.86	82.57	26.93	6.98	65.0	± 9.6 %
		Υ	9.88	82.69	26.70		65.0	
10011	1	Z	10.64	83.89	27.31		65.0	
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	10.27	81.73	22.33	3.98	65.0	± 9.6 %
		Υ	10.27	81.67	21.99		65.0	
		Z	10.19	81.13	21.98		65.0	
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	10.17	81.33	22.14	3.98	65.0	± 9.6 %
		Υ	10.15	81.24	21.78		65.0	
		Z	10.11	80.77	21.80		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	9.71	83.45	22.80	3.98	65.0	± 9.6 %
		Υ	9.49	83.12	22.47		65.0	
		Z	8.94	81.57	21.97		65.0	
10247- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	Х	8.20	78.33	21.34	3.98	65.0	±9.6 %
		Υ	8.00	78.01	21.02		65.0	
		Z	7.96	77.44	20.86		65.0	
10248- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	8.23	77.94	21.17	3.98	65.0	±9.6%
		Υ	8.00	77.54	20.82		65.0	
		Z	8.02	77.11	20.72		65.0	
10249- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	Х	10.15	84.14	23.49	3.98	65.0	± 9.6 %
		Υ	9.98	83.94	23.24		65.0	
		Z	9.39	82.30	22.67		65.0	
10250- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	Х	8.79	79.35	22.70	3.98	65.0	± 9.6 %
		Υ	8.63	79.16	22.48		65.0	
40074	LITE TOD (OO STOLL TOO)	Z	8.57	78.51	22,22		65.0	
10251- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	Х	8.44	77.55	21.73	3.98	65.0	± 9.6 %
		Υ	8.21	77.13	21.40		65.0	
405=5	 	Z	8.29	76.85	21.32		65.0	
10252- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	9.81	82.69	23.38	3.98	65.0	± 9.6 %
		Υ	9.69	82.59	23.21		65.0	
10055		Z	9.29	81.25	22.69		65.0	
10253- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	8.37	76.69	21.57	3.98	65.0	±9.6 %
		Υ	8.14	76.24	21.23		65.0	
		Z	8.26	76.10	21.20		65.0	
10254- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	Х	8.69	77.25	22.08	3.98	65.0	± 9.6 %
		Υ	8.50	76.93	21.80		65.0]
		Ζ	8.58	76.68	21.71		65.0	

10256- CAA 10257- CAA	QPSK) LTE-TDD (SC-FDMA, 100% RB, 1.4	Y	8.85			l .	1	
10257-	LTE-TOD (SC-FDMA 100% PR 14		1 1 7 1 7 1	79.45	22.16		GE O	1
10257-	LTE-TOD (SC-EDMA 100% PR 14	Z	8.73	78.67			65.0	
10257-		X	9.74	80.69	21.83	2.00	65.0	
	MHz, 16-QAM)				21.31	3.98	65.0	± 9.6 %
		Y	9.59	80.32	20.81		65.0	,
		Z	9.63	80.04	20.95		65.0	
	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	Х	9.62	80.13	21.03	3.98	65.0	± 9.6 %
		Υ	9.43	79.69	20.50		65.0	
		Z	9.55	79.55	20.70		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	Х	9.09	82.16	21.89	3.98	65.0	± 9.6 %
		Y	8.77	81.62	21.46		65.0	
		Z	8.39	80.38	21.12		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	8.43	78.63	21.79	3.98	65.0	± 9.6 %
		Y	8.23	78.33	21.49		65.0	
		Z	8.20	77.76	21.31		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	8.46	78.42	21.72	3.98	65.0	± 9.6 %
		Υ	8.27	78.12	21.43		65.0	1
		Z	8.26	77.59	21.26		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	Х	9.72	83.07	23.32	3.98	65.0	± 9.6 %
		Y	9.52	82.82	23.06		65.0	
		Z	9.11	81.46	22.57		65.0	
10262- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	8.78	79.33	22.68	3.98	65.0	± 9.6 %
		Y	8.62	79.12	22.45		65.0	
		Ż	8.57	78.49	22.19		65.0	
10263- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	8.44	77.55	21.74	3.98	65.0	± 9.6 %
		Y	8.21	77.13	21.40		65.0	
		Z	8.29	76.86	21.32		65.0	
10264- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	9.77	82.59	23.33	3.98	65.0	± 9.6 %
		Y	9.63	82.47	23.15		65.0	
		Z	9.25	81.16	22.64		65.0	
10265- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	8.59	77.27	21.75	3.98	65.0	±9.6 %
		Υ	8.35	76.82	21.41		65.0	
		Z	8.46	76.64	21.35	*****	65.0	
10266- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Х	8.88	77.79	22.27	3.98	65.0	± 9.6 %
		Y	8.70	77.49	22.01		65.0	
		Z	8.76	77.18	21.88		65.0	
10267- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	Х	9.25	79.89	22.21	3.98	65.0	± 9.6 %
		Y	9.14	79.81	22.06		65.0	
		Z	8.95	78.92	21.69		65.0	
10268- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	8.99	76.65	21.78	3.98	65.0	± 9.6 %
		Y	8.81	76.35	21.53		65.0	
		Z	8.91	76.18	21.46		65.0	
10269- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	Х	8.91	76.26	21.70	3.98	65.0	± 9.6 %
		Υ	8.73	75.96	21.44		65.0	
		Z	8.84	75.83	21.39		65.0	
10270- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	Х	8.90	77.57	21.40	3.98	65.0	± 9.6 %
		Y	8.79	77.49	21.27		65.0	
		Z	8.75	76.94	21.02		65.0	

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	Х	2.78	67.12	16.09	0.00	150.0	± 9.6 %
		Y	2.71	66.52	15.56		150.0	
		Z	2.72	66.59	15.63		150.0	1
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	Х	1.98	70.91	17.52	0.00	150.0	± 9.6 %
		Υ	1.76	68.59	16.10		150.0	
		Ζ	1.80	69.04	16.33		150.0	
10277- CAA	PHS (QPSK)	X	6.79	72.27	16.39	9.03	50.0	± 9.6 %
		Y	6.45	71.67	15.76		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	Z X	6.90 10.13	72.24 81.40	16.49 22.32	9.03	50.0 50.0	± 9.6 %
0,01		Υ	10.29	81.97	22.29		50.0	
		ż	9.77	80.32	21.92		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	10.33	81.63	22.41	9.03	50.0	± 9.6 %
		Υ	10.47	82.16	22,36		50.0	
		Z	9.96	80.55	22.00	 	50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	Х	2.27	74.32	17.90	0.00	150.0	± 9.6 %
		Υ	1.81	70.49	15.86		150.0	
		Z	1.87	70.91	16.13		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	X	1.36	72.30	17.10	0.00	150.0	± 9.6 %
		Υ	1.04	67.63	14.46		150.0	
10000		Ζ	1.08	68.31	14.87		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	Х	1.99	79.46	20.52	0.00	150.0	± 9.6 %
		Υ	1.29	71.82	16.85		150.0	
		Z	1.35	72.59	17.26		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	×	3.14	87.23	23.85	0.00	150.0	± 9.6 %
		Y	1.79	77.07	19.53		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	Z X	1.82 10.44	77.43 82.93	19.74 24.52	9.03	150.0 50.0	± 9.6 %
70.0		Υ	10.27	82.91	24.32		50.0	
		z	10.06	81.64	23.93		50.0	<u> </u>
10297- AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	3.29	71.99	17.83	0.00	150.0	± 9.6 %
		Y	3.04	70.48	16.94		150.0	
		Ζ	3.09	70.76	17.06		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	2.22	71.79	17.28	0.00	150.0	± 9.6 %
		Υ	1.94	69.36	15.82		150.0	
40000	LTT FOR (OC FOLL)	Z	1.98	69.66	16.04		150.0	
10299- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	4.69	77.67	19.45	0.00	150.0	± 9.6 %
		Y	4.12	75.07	17.83		150.0	
10300-	LTE-FDD (SC-FDMA, 50% RB, 3 MHz,	Z	4.54	76.51	18.69	0.00	150.0	1000
AAC	64-QAM)		3.41	71.70	16.24	0.00	150.0	± 9.6 %
		Y	3.02	69.50	14.72		150.0	
10301- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	3.36 6.06	70.96 68.71	15.66 19.27	4.17	150.0 80.0	± 9.6 %
		Y	5.82	67.97	18.75		80.0	
		Ż	6.19	69.17	19.41		80.0	
10302- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	6.72	70.11	20.48	4.96	80.0	± 9.6 %
	I TOMILIE, SI OIL I OCO. O OTTLE STITITION							
AAA	TOWN 12, QLON, 1 000, 0 0 THE Symbols	Y	6.33	68.61	19.48		80.0	···

10303-	IEEE 802.16e WIMAX (31:15, 5ms,	X	6.65	70.48	20.70	4.96	80.0	± 9.6 %
AAA	10MHz, 64QAM, PUSC)	 		ļ <u></u>	<u> </u>		ļ	
		Y	6.20	68.74	19.57		80.0	
10304-	IEEE 802.16e WiMAX (29:18, 5ms,	Z	6.66 6.16	70.35 69.37	20.48	4.47	80.0	. 0 0 0/
AAA	10MHz, 64QAM, PUSC)				19.66	4.17	80.0	± 9.6 %
		Y	5.81	67.99	18.75		80.0	
10305-	IEEE 900 460 M/MAY (04:45, 40	Z	6.16	69.23	19.45		80.0	
AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	9.30	81.07	26.04	6.02	50.0	± 9.6 %
		Y	8.89	81.17	26.15		50.0	
10306-	IEEE 802.16e WiMAX (29:18, 10ms,	Z X	9.30	80.60	25.61		50.0	
AAA	10MHz, 64QAM, PUSC, 18 symbols)		7.60	74.94	23.58	6.02	50.0	± 9.6 %
		Y	6.58	71.27	21.48		50.0	
10307-	IEEE 902 160 M/MAY (20:49, 40	Z	7.65	74.77	23.31		50.0	
AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	7.89	76.12	23.89	6.02	50.0	± 9.6 %
		Y	6.67	71.96	21.62	••••	50.0	
10200	IEEE 000 460 MEMAY (00:40, 40	Z	7.93	75.88	23.59	6.5-	50.0	. =
10308- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	8.03	76.77	24.18	6.02	50.0	± 9.6 %
		Y	6.71	72.32	21.80		50.0	
10200	1555 000 40- MENAN (00 40 40	Z	8.07	76.51	23.87		50.0	
10309- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	7.75	75.30	23.75	6.02	50.0	± 9.6 %
		Y	6.70	71.56	21.63		50.0	
40040	IFFF 000 40 - NEW 400 40 40	Z	7.79	75.10	23.47		50.0	
10310- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	7.67	75.32	23.64	6.02	50.0	± 9.6 %
		Υ	6.59	71.48	21.48		50.0	
10011		Z	7.72	75.12	23.36		50.0	
10311- AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.65	71.15	17.38	0.00	150.0	± 9.6 %
		Y	3.40	69.80	16.59		150.0	
		Z	3.45	70.04	16.69		150.0	
10313- AAA	IDEN 1:3	X	8.19	79.62	19.75	6.99	70.0	± 9.6 %
		Y	7.93	79.22	19.41		70.0	
		Z	7.49	77.80	19.02		70.0	
10314- AAA	IDEN 1:6	Х	9.48	83.29	23.38	10.00	30.0	± 9.6 %
		Υ	9.95	84.52	23.69	****	30.0	
		Z	8.48	80.77	22.38		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.25	66.08	16.91	0.17	150.0	± 9.6 %
		Υ	1.20	64.89	15.87		150.0	
		Z	1.21	65.13	16.03		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.90	67.19	16.76	0.17	150.0	± 9.6 %
		Υ	4.85	66.99	16.52		150.0	
		Z	4.87	67.02	16.55		150.0	
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.90	67.19	16.76	0.17	150.0	± 9.6 %
		Υ	4.85	66.99	16.52		150.0	
		Z	4.87	67.02	16.55		150.0	
10400- AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	Х	5.03	67.46	16.67	0.00	150.0	± 9.6 %
		Υ	4.97	67.23	16.42		150.0	
4.5.1.		Z	4.99	67.27	16.45		150.0	
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	Х	5.60	67.40	16.67	0.00	150.0	± 9.6 %
		Υ	5.56	67.25	16.46		150.0	
		Z	5.57	67.25	16.48		150.0	

10402- AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.93	68.04	16.82	0.00	150.0	± 9.6 %
		Y	5.88	67.87	16.62		150.0	··
		Z	5.89	67.90	16.63	-	150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	Х	2.27	74.32	17.90	0.00	115.0	± 9.6 %
~~~		Υ	1.81	70.49	15.86		115.0	
		Z	1.87	70.91	16.13		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	Х	2.27	74.32	17.90	0.00	115.0	± 9.6 %
		Y	1.81	70.49	15.86		115.0	
10406-	CDMA2000 DOS COS COMO E II	Z	1.87	70.91	16.13		115.0	
AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	127.40	33.82	0.00	100.0	± 9.6 %
		Y	100.00	122.61	31.43		100.0	
10410-	LITE TOD (CO EDNA A DD 40 MIL	Z	100.00	123.45	32.03		100.0	
AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	121.97	31.96	3.23	80.0	± 9.6 %
		Y	100.00	119.93	30.78		80.0	
10/15	\$EEC 000 446 MEE 0 4 OU (0000 )	Z	100.00	120.31	31.22		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	Х	1.07	64.27	15.93	0.00	150.0	± 9.6 %
		Υ	1.04	63.30	14.96		150.0	
40440	LEEE 000 44 MIEI 0 4 OM 4 CO	Z	1.04	63.46	15.09		150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	Х	4.79	67.01	16.59	0.00	150.0	± 9.6 %
		Υ	4.74	66.82	16.35		150.0	
40447	VEET 000 // A LUTHE - O. C. COTTO	Z	4.76	66.83	16.37		150.0	
10417- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	Х	4.79	67.01	16.59	0.00	150.0	± 9.6 %
		Υ	4.74	66.82	16.35		150.0	
40440		Z	4.76	66.83	16.37		150.0	
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.77	67.15	16.59	0.00	150.0	± 9.6 %
		Υ	4.73	66.95	16.35		150.0	
40.440		Z	4.74	66.96	16.37		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	Х	4.80	67.11	16.60	0.00	150.0	± 9.6 %
		Y	4.75	66.92	16.36		150.0	
4045		Z	4.76	66.93	16.38		150.0	
10422- AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	Х	4.93	67.11	16.61	0.00	150.0	± 9.6 %
		Υ	4.88	66.93	16.38		150.0	
121-2		Z	4.90	66.94	16.40		150.0	
10423- AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	Х	5.16	67.53	16.76	0.00	150.0	± 9.6 %
		Υ	5.10	67.33	16.53		150.0	
40.40.4	1555 000 44 415 5	Ζ	5.12	67.36	16.55		150.0	
10424- AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	Х	5.06	67.46	16.72	0.00	150.0	± 9.6 %
		Υ	5.01	67.26	16.49		150.0	
40.405	1555 000 44 (45 6	Ζ	5.02	67.28	16.51		150.0	
10425- AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	Х	5.63	67.84	16.88	0.00	150.0	± 9.6 %
		Υ	5.58	67.63	16.65		150.0	
40400	LEEG OOD ALL TITE O	Z	5.59	67.66	16.67		150.0	
10426- AAA	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	Х	5.65	67.87	16.88	0.00	150.0	± 9.6 %
		Υ	5.59	67.67	16.66		150.0	
		Z	5.60	67.69	16.68		150.0	

10427- AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.67	67.88	16.88	0.00	150.0	± 9.6 %
		Y	5.61	67.68	16.67	-	150.0	
		Ż	5.63	67.72	16.69	<del>                                     </del>	150.0	
10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.49	70.32	18.41	0.00	150.0	± 9.6 %
<del> ,,</del> .		Y	4.47	70.35	18.30		150.0	
		Z	4.43	69.94	18.10		150.0	-
10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	Х	4.57	67.64	16.73	0.00	150.0	± 9.6 %
		Υ	4.50	67.37	16.44		150.0	
10100		Z	4.52	67.40	16.48		150.0	
10432- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	Х	4.84	67.52	16.72	0.00	150.0	± 9.6 %
<del></del>		Y	4.78	67.30	16.46		150.0	
10433-	LTE EDD (OFDMA COMMILE THAN A)	Z	4.81	67.32	16.49		150.0	
AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	5.08	67.52	16.75	0.00	150.0	± 9.6 %
		Y	5.02	67.32	16.52		150.0	
10/24	M ODMA (DO Tarthe data of Decision	Z	5.04	67.34	16.54	<u> </u>	150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.58	71.00	18.44	0.00	150.0	± 9.6 %
		Υ	4.56	71.04	18.32		150.0	
10435-	LTC TDD (OO CDL)	Z	4.50	70.55	18.09		150.0	
AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	121.83	31.89	3.23	80.0	±9.6 %
		Y	100.00	119.78	30.72		80.0	
10447-	LTE EDD (OED) IA E THE A	Z	100.00	120.18	31.16		80.0	
10447- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	Х	3.91	67.81	16.42	0.00	150.0	± 9.6 %
		Υ	3.82	67.43	16.03		150.0	
		Z	3.85	67.45	16.10		150.0	
10448- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.37	67.41	16.59	0.00	150.0	± 9.6 %
		Υ	4.31	67.14	16.30		150.0	
		Z	4.33	67.16	16.33		150.0	
10449- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	Х	4.61	67.35	16.62	0.00	150.0	± 9.6 %
		Υ	4.56	67.11	16.36		150.0	
		Z	4.57	67.13	16.39		150.0	
10450- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.78	67.27	16.62	0.00	150.0	± 9.6 %
		Υ	4.73	67.06	16.37		150.0	
		Z	4.75	67.08	16.40		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.87	68.19	16.26	0.00	150.0	±9.6 %
		Υ	3.76	67.74	15.84		150.0	
40450	NEEE 000 44 - 1885 / 400 81 - 04 5 11	Z	3.80	67.77	15.91		150.0	
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	Х	6.48	68.45	17.03	0.00	150.0	± 9.6 %
		Y	6.43	68.27	16.83		150.0	
40455	LINITO EDD (EQ. 1900)	Z	6.44	68.31	16.86		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	Х	3.93	65.66	16.35	0.00	150.0	± 9.6 %
		Υ	3.90	65.46	16.09		150.0	
10.150	000000000000000000000000000000000000000	Z	3.90	65.49	16.13		150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	Х	3.65	67.27	15.76	0.00	150.0	± 9.6 %
		Υ	3.56	66.88	15.33		150.0	
		Z	3.59	66.88	15.43		150.0	
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	Х	4.75	65.30	16.25	0.00	150.0	± 9.6 %
		Y	4.56	64.61	15.72		150.0	
		Z	4.62	64.74	15.85		150.0	

10460- AAA	UMTS-FDD (WCDMA, AMR)	Х	1.26	74.40	19.85	0.00	150.0	± 9.6 %
		Y	0.98	69.11	16.84		150.0	
		Ż	1.02	70.09	17.34	<u> </u>	150.0	
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	124.67	33.28	3.29	80.0	± 9.6 %
		Υ	100.00	122.71	32.15		80.0	
		Z	100.00	122.52	32.32	Î	80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	112.53	27.42	3.23	80.0	± 9.6 %
		Υ	100.00	109.84	25.94		80.0	
10155		Z	100.00	110.74	26.63		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	110.09	26.24	3.23	80.0	± 9.6 %
<del></del>		Y	100.00	107.30	24.71		80.0	
40404	LITE TOP (OO EP) (A C EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP) (A LITE TOP (OO EP)	Z	100.00	108.46	25.52		80.0	
10464- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.17	32.44	3.23	80.0	± 9.6 %
		Y	100.00	121.02	31.22		80.0	
10405	LITE TOD (OO EDIMA 4 DD OAN) 40	Z	100.00	121.02	31.48		80.0	
10465- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	112.13	27.22	3.23	80,0	± 9.6 %
		Y	100.00	109.39	25.71		80.0	
10466-	LITE TOD (OO ED) (A A DD O MILL OA	Z	100.00	110.36	26.43		80.0	
AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	109.70	26.05	3.23	80.0	± 9.6 %
		Y	100.00	106.88	24.51		80.0	
40407	LTE TOD (CO EDMA 4 DD 5 ML)	Z	100.00	108.09	25.34		80.0	
10467- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	123.35	32.52	3.23	80.0	± 9.6 %
		Y	100.00	121.21	31.30		80.0	
40400		Z	100.00	121.18	31.55		80.0	
10468- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	112.26	27.27	3.23	80.0	± 9.6 %
		Υ	100.00	109.52	25.77		80.0	
40400		Z	100.00	110.48	26.49		80.0	
10469- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	109.71	26.05	3.23	80.0	± 9.6 %
		Υ	100.00	106.88	24.50		80.0	
40.470	1.75 700 /00 75 110 150 100 100 100 100 100 100 100 10	Z	100.00	108.10	25.34		80.0	
10470- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	100.00	123.38	32.53	3.23	80.0	± 9.6 %
		Υ	100.00	121.23	31.30		80.0	
10171		Z	100.00	121.21	31.55		80.0	
10471- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	112.22	27.25	3.23	80.0	± 9.6 %
		Y	100.00	109.48	25.75		80.0	
40470	LITE TOD (OO SOLLA A SOLUTION	Z	100.00	110.44	26.46		80.0	
10472- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	109.68	26.03	3.23	80.0	± 9.6 %
		Y	100.00	106.84	24.48		80.0	
10470	LTE TDD (00 5044 4 55 45 11)	Z	100.00	108.06	25.32		80.0	
10473- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	123.36	32.52	3.23	80.0	± 9.6 %
		Y	100.00	121.21	31.29		80.0	
10474-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-	Z X	100.00 100.00	121.18 112.23	31.54 27.26	3.23	80.0	± 9.6 %
AAB	QAM, UL Subframe=2,3,4,7,8,9)	Υ	100.00	400.40	05.75		00.0	
			100.00	109.49	25.75	ļ	80.0	<u> </u>
10475-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-	Z	100.00	110.45	26.47	2.00	80.0	1000
AAB	QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	109.69	26.03	3.23	80.0	± 9.6 %
		Υ_	100.00	106.85	24.48		80.0	
	<u> </u>	Z	100.00	108.07	25.32		80.0	

10477- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	112.10	27.19	3,23	80.0	± 9.6 %
		Y	100.00	109.35	25.68		80.08	-
		Z	100.00	110.33	26.40		80.0	
10478- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	109.65	26.01	3.23	80.0	±9.6 %
		Y	100.00	106.81	24.47		80.0	
		Z	100.00	108.04	25.30		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	14.38	94.20	26.88	3.23	80.0	±9.6 %
		Υ	12.62	91.51	25.59		80.0	
		Z	11.98	90.33	25.40		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	16.92	91.85	24.70	3.23	80.0	± 9.6 %
		Y	16.07	90.43	23.78		80.0	
40.00		Z	14.43	88.66	23.48		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	15.52	89.82	23.79	3.23	80.0	± 9.6 %
		Υ	14.42	88.14	22.78		80.0	
1-1-1		Z	13.29	86.80	22.62		80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	7.56	82.70	21.88	2.23	80.0	± 9.6 %
		Υ	6.34	79.89	20.64		80.0	
		Z	6.13	78.95	20.35		80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	10.42	84.68	22.62	2.23	80.0	± 9.6 %
		Y	9.52	82.90	21.60		80.0	
		Z	9.24	82.26	21.60		80.0	:
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	9.76	83.43	22,21	2.23	80.0	± 9.6 %
		Υ	8.92	81.70	21.20		80.0	
		Z	8.78	81.26	21.26		80.0	
10485- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	7.43	82.48	22.31	2.23	80.0	± 9.6 %
		Υ	6.34	79.89	21.17		80.0	
		Z	6.26	79.21	20.92		80.0	
10486- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.54	75.02	19.37	2.23	80.0	± 9.6 %
		Υ	5.16	73.91	18.72		80.0	
		Z	5.15	73.47	18.58		80.0	
10487- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.49	74.50	19.17	2.23	80.0	±9.6 %
*****		Y	5.13	73.46	18.54		80.0	
		Z	5.13	73.07	18.42		80.0	
10488- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	6.90	79.78	21.64	2.23	80.0	± 9.6 %
		Y	6.14	77.86	20.75		80.0	
		Z	6.18	77.51	20.58		80.0	
10489- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.38	73.43	19.44	2.23	80.0	± 9.6 %
		Υ	5.09	72.55	18.91		80.0	
		Z	5.16	72.40	18.83		80.0	
10490- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.41	72.95	19.27	2.23	80.0	± 9.6 %
		Υ	5.14	72.16	18.78		80.0	
		Z	5.21	72.02	18.71		80.0	
10491- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	6.32	76.48	20.47	2.23	80.0	± 9.6 %
		Υ	5.85	75.21	19.82		80.0	
		Z	5.92	75.01	19.70		80.0	
10492- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	5,50	72.00	19.03	2.23	80.0	± 9.6 %
		Y	5.27	71.31	18.59		80.0	
		Z	5.36	71.28				

40400	LITE TOD (OO FOLK) FOR OR JENNI	1		T		· · · · · · · · · · · · · · · · · · ·		
10493- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.54	71.72	18.94	2.23	80.0	± 9.6 %
		Υ	5.32	71.08	18.52		0.08	
		Z	5.41	71.05	18.49		80.0	
10494- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	7.25	78.81	21.14	2.23	80.0	± 9.6 %
		Υ	6.59	77.27	20.41		80.0	
		Z	6.62	76.95	20.25		80.0	
10495- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.65	72.70	19.29	2.23	80.0	± 9.6 %
		Y	5.39	71.95	18.83		80.0	
		Z	5.48	71.90	18.78		80.0	
10496- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.64	72.15	19.11	2.23	80.0	± 9.6 %
		Y	5.41	71.48	18.68		80.0	
		Z	5.50	71.45	18.64		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	6.62	80.74	20.69	2.23	80.0	± 9.6 %
		Y	5.48	77.81	19.35		80.0	1.
		Z	5.31	76.98	19.14		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.90	73.48	17.22	2.23	80.0	± 9.6 %
		Y	4.27	71.53	16.16		80.0	
		Z	4.35	71.46	16.28		80.0	1
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.83	72.93	16.89	2.23	80.0	± 9.6 %
		Y	4.21	71.00	15.82		80.0	
		Z	4.31	71.03	15.99		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	6.85	80.51	21.77	2.23	80.0	± 9.6 %
		Υ	6.00	78.35	20.77		80.0	
		Z	6.00	77.87	20.57		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.43	74.16	19.30	2.23	80.0	± 9.6 %
		Y	5.10	73.18	18.71		0.08	
		Z	5.13	72.87	18.60		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.44	73.80	19.13	2.23	80.0	± 9.6 %
		Υ	5.13	72.89	18.57		80.0	
		Ζ	5.15	72.59	18.46		80.0	-
10503- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	6.81	79.57	21.56	2.23	80.0	± 9.6 %
		Υ	6.06	77.64	20.66		80.0	
		Z	6.11	77.33	20.51		80.0	
10504- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	5.36	73.36	19.40	2.23	80.0	± 9.6 %
		Υ	5.07	72.47	18.86		80.0	
		Z	5.14	72.33	18.79		80.0	
10505- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.38	72.87	19.23	2.23	80.0	±9.6%
		Υ	5.11	72.07	18.73		80.0	
		Z	5.19	71.95	18.67		80.0	
10506- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	7.19	78.66	21.07	2.23	80.0	± 9.6 %
		Υ	6.54	77.11	20.34		80.0	
		Z	6.57	76.81	20.18		80.0	
10507- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	Х	5.63	72.64	19.26	2.23	80.0	± 9.6 %
	Subframe=2,3,4,7,8,9)	1 1					1	
	Subtrame=2,3,4,7,8,9)	Υ	5.37	71.89	18.79		80.0	

10508- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.63	72.09	19.07	2.23	80.0	± 9.6 %
		Y	5.39	71.41	18.64		80.0	
		Z	5.49	71.39	18.61		80.0	
10509- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	6.80	75.80	19.99	2.23	80.0	±9.6 %
		Υ	6.40	74.81	19.47		80.0	
		Z	6.44	74.60	19.35		80.0	
10510- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	6.00	71.87	18.97	2.23	80.0	± 9.6 %
		Υ	5.78	71.27	18.59		80.0	
10711		Z	5.87	71.27	18.56		80.0	
10511- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.98	71.43	18.84	2.23	80.0	± 9.6 %
		Y	5.78	70.88	18.48		80.0	
		Z	5.87	70.89	18.46		80.0	-
10512- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	7.65	78.39	20.81	2.23	80.0	± 9.6 %
		Y	7.04	77.04	20.17		80.0	
40540	LITE TOD (OO FENAL ASSESSMENT)	Z	7.05	76.73	20.01		80.0	
10513- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	5.99	72.54	19.22	2.23	80.0	±9.6 %
		Y	5.74	71.83	18.79		80.0	
10511		Z	5.84	71.84	18.77		80.0	
10514- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	5.89	71.84	19.00	2.23	80.0	± 9.6 %
		Υ	5.67	71.22	18.61		80.0	
		Z	5.77	71.23	18.59		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	1.04	64.60	16.09	0.00	150.0	± 9.6 %
		Y	1.01	63.51	15.03		150.0	
40540	VEET 000 441 M/E: 0.4 OU. /D000 5.5	Z	1.00	63.69	15.18		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	1.58	89.32	26.18	0.00	150.0	±9.6%
		Y	0.68	71.98	18.30		150.0	
10517-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	Z	0.78	74.89	19.62	0.00	150.0	
AAA	Mbps, 99pc duty cycle)	Y	0.96	68.28 65.73	17.72	0.00	150.0	±9.6 %
		Z	0.88	66.23	16.14		150.0 150.0	
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.79	67.10	16.58	0.00	150.0	± 9.6 %
		Υ	4.74	66.90	16.34		150.0	
		Z	4.76	66.92	16.36		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	Х	5.03	67.42	16.72	0.00	150.0	± 9.6 %
		Y	4.98	67.22	16.49		150.0	
10500	IFFE OOD 44 - IL MEE' E OUL (OFFICE OF	Z	5.00	67.24	16.51		150.0	
10520- AAA	IEEE 802.11a/h WIFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.88	67.42	16.66	0.00	150.0	± 9.6 %
		Y	4.82 4.84	67.20	16.42		150.0	
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.81	67.23 67.44	16.44 16.66	0.00	150.0 150.0	± 9.6 %
		Y	4.75	67.21	16.40		150.0	
		Z	4.77	67.24	16.43		150.0	
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	Х	4.84	67.34	16.65	0.00	150.0	± 9.6 %
		Υ	4.79	67.14	16.41		150.0	
		Z	4.81	67.14	16.43		150.0	

10523- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	Х	4.72	67.29	16.53	0.00	150.0	± 9.6 %
		Y	4.66	67.07	16.29		150.0	
		Z	4.68	67.09	16.31		150.0	
10524- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	Х	4.80	67.32	16.65	0.00	150.0	± 9.6 %
		Υ	4.75	67.12	16.41		150.0	
		Z	4.77	67.13	16.43		150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.74	66.35	16.23	0.00	150.0	± 9.6 %
		Y	4.69	66.14	16.00		150.0	
10500	IEEE 000 44 MEET (00) III - MOOA	Z	4.71	66.16	16.01		150.0	
10526- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.97	66.77	16.38	0.00	150.0	± 9.6 %
		Y	4.91	66.56	16.14		150.0	
10527-	IEEE 902 44no Mici (20MH - MCCC)	Z	4.92	66.58	16.16	0.00	150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.88	66.77	16.35	0.00	150.0	± 9.6 %
		Y	4.82	66.54	16.10		150.0	
10528-	1555 900 44 co MIST (005 III - 25000	Z	4.84	66.57	16.13	0.00	150.0	
10528- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.90	66.79	16.38	0.00	150.0	± 9.6 %
		Y	4.84	66.56	16.14		150.0	
10529-		Z	4.86	66.59	16.16		150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.90	66.79	16.38	0.00	150.0	±9.6 %
		Y	4.84	66.56	16.14		150.0	
40504	IEEE 000 44 - WIEL (00411 MO00	Z	4.86	66.59	16.16		150.0	
10531- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	Х	4.93	66.97	16.42	0.00	150.0	± 9.6 %
		Υ	4.86	66.72	16.17		150.0	
		Z	4.88	66.75	16.19		150.0	
10532- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.77	66.86	16.39	0.00	150.0	± 9.6 %
		Υ	4.71	66.60	16.12		150.0	
		Z	4.73	66.64	16.15		150.0	
10533- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	Х	4.92	66.80	16.36	0.00	150.0	± 9.6 %
		Υ	4.86	66.58	16.11		150.0	
		Z	4.87	66.60	16.13		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	Х	5.41	66.95	16.41	0.00	150.0	±9.6%
		Y	5.35	66.75	16.19		150.0	
		Z	5.37	66.78	16.21		150.0	
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	Х	5.48	67.09	16.46	0.00	150.0	± 9.6 %
		Υ	5.43	66.89	16.25		150.0	
10000		Z	5.44	66.92	16.26		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	Х	5.35	67.09	16.45	0.00	150.0	± 9.6 %
		Υ	5.29	66.87	16.23		150.0	
		Z	5.30	66.90	16.24		150.0	
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	Х	5.41	67.05	16.43	0.00	150.0	±9.6 %
		Y	5.36	66.85	16.22		150.0	
		Z	5.37	66.87	16.23		150.0	
10538- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	Х	5.54	67.15	16.52	0.00	150.0	± 9.6 %
		Y	5.48	66.94	16.30		150.0	
		Z	5.50	66.97	16.32		150.0	
10540- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	Х	5.43	67.07	16.50	0.00	150.0	± 9.6 %
		Y	5.37	66.86	16.28		150.0	1
		Z	5.38	66.89	16.29		150.0	İ

10541- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.42	67.03	16.48	0.00	150.0	± 9.6 %
		Υ	5.36	66.81	16.25		150.0	
		Z	5.38	66.86	16.28		150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	Х	5.56	67.00	16.48	0.00	150.0	± 9.6 %
		Y	5.50	66.81	16.26		150.0	
		Z	5.52	66.84	16.28		150.0	
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	Х	5.65	67.02	16.49	0.00	150.0	± 9.6 %
<del></del>		Y	5.60	66.83	16.28		150.0	
10544-	IFFE 000 44 MIEL (00) III 11000	Z	5.62	66.87	16.31		150.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	Х	5.67	67.03	16.38	0.00	150.0	± 9.6 %
		Y	5.62	66.85	16.18		150.0	
10545-	IFFE 000 44 MIFE (00M) 1 MOO4	Z	5.63	66.88	16.19		150.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.89	67.44	16.51	0.00	150.0	± 9.6 %
	<u> </u>	Y	5.84	67.25	16.31		150.0	
40540	JEEE 000 44 - W/E/ (00) ***	Z	5.84	67.26	16.32		150.0	ļ <u> </u>
10546- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.78	67.35	16.50	0.00	150.0	± 9.6 %
		Y	5.73	67.16	16.29		150.0	
10515		Z	5.74	67.19	16.30		150.0	
10547- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.88	67.44	16.53	0.00	150.0	± 9.6 %
·····		Υ	5.82	67.23	16.31		150.0	
		Z	5.84	67.28	16.34		150.0	
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	Х	6.24	68.68	17.12	0.00	150.0	± 9.6 %
		Y	6.15	68.36	16.84		150.0	
		Z	6.16	68.38	16.86		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.80	67.28	16.46	0.00	150.0	± 9.6 %
		Y	5.75	67.09	16.26		150.0	
		Z	5.76	67.12	16.27		150.0	
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	Х	5.83	67.43	16.50	0.00	150.0	± 9.6 %
		Y	5.77	67.22	16.29		150.0	
		Z	5.78	67.25	16.30		150.0	
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	Х	5.72	67.16	16.39	0.00	150.0	±9.6%
		Y	5.67	66.97	16.18		150.0	
		Z	5.68	67.00	16.20		150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.81	67.18	16.42	0.00	150.0	± 9.6 %
		Y	5.76	67.00	16.22		150.0	
		Z	5.77	67.03	16.23		150.0	
10554- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	Х	6.07	67.41	16.47	0.00	150.0	±9.6 %
		Y	6.02	67.24	16.28		150.0	
		Z	6.02	67.27	16.29		150.0	
10555- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	Х	6.25	67.82	16.64	0.00	150.0	±9.6 %
		Y	6.19	67.62	16.43		150.0	
		Z	6.20	67.66	16.46		150.0	
10556- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.24	67.77	16.61	0.00	150.0	± 9.6 %
		Y	6.19	67.59	16.41		150.0	
		Z	6.19	67.61	16.43		150.0	
10557- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.24	67.78	16.64	0.00	150.0	± 9.6 %
		Y	6.18	67.59	16.43		150.0	T
		Z	6.19	67.62	16.45		150.0	

10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.31	68.00	16.76	0.00	150.0	± 9.6 %
		Y	6.25	67.79	16.55		150.0	
		Z	6.26	67.82	16.57		150.0	
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	Х	6.30	67.81	16.70	0.00	150.0	± 9.6 %
		Y	6.24	67.61	16.50		150.0	
		Z	6.26	67.66	16.52		150.0	
10561- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	Х	6.20	67.76	16.72	0.00	150.0	± 9.6 %
		Y	6.15	67.55	16.51		150.0	
		Z	6.16	67.60	16.53		150.0	
10562- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.39	68.33	17.01	0.00	150.0	± 9.6 %
		Y	6.32	68.08	16.77		150.0	
		Z	6.34	68.13	16.81		150.0	
10563- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.65	68.60	17.09	0.00	150.0	±9.6 %
		Υ	6.59	68.41	16.88		150.0	
10551		Z	6.58	68.40	16.88		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	Х	5.14	67.24	16.77	0.46	150.0	± 9.6 %
		Υ	5.09	67.04	16.53		150.0	
		Z	5.10	67.08	16.57		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	Х	5.42	67.73	17.08	0.46	150.0	± 9.6 %
		Y	5.36	67.55	16.86		150.0	
		Z	5.38	67.58	16.89		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	Х	5.25	67.63	16.93	0.46	150.0	± 9.6 %
		Υ	5.19	67.42	16.69		150.0	
		Z	5.21	67.47	16.73		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	Х	5.27	67.98	17.24	0.46	150.0	± 9.6 %
		Y	5.22	67.81	17.03		150.0	
		Z	5.23	67.81	17.03		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	Х	5.15	67.34	16.68	0.46	150.0	± 9.6 %
		Υ	5.09	67.11	16.43		150.0	
		Z	5.12	67.17	16.48		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	Х	5.20	67.97	17.24	0.46	150.0	± 9.6 %
		Y	5.15	67.81	17.04		150.0	
		Z	5.16	67.80	17.04		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	Х	5.25	67.80	17.18	0.46	150.0	± 9.6 %
		Y	5.20	67.64	16.98		150.0	<u></u>
		Z	5.21	67.63	16.98		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	Х	1.47	67.75	17.68	0.46	130.0	± 9.6 %
		Y	1.40	66.34	16.57		130.0	
		Z	1.42	66.69	16.76		130.0	
10572- AAA	řEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	Х	1.51	68.57	18.12	0.46	130.0	± 9.6 %
		Y	1.43	67.03	16.96		130.0	
		Z	1.45	67.37	17.14		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	Х	100.00	149.09	40.35	0.46	130.0	± 9.6 %
		Y	5.48	98.07	27.02		130.0	
		Z	8.77	105.39	29.04		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	Х	2.10	78.38	22.53	0.46	130.0	± 9.6 %
		Υ	1.75	74.27	20.33	1	130.0	T
			1110				100.0	

10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	X	4.95	67.11	16.87	0.46	130.0	± 9.6 %
		TY	4.91	66.91	16.63		130.0	
		Z	4.93	66.95	16.67		130.0	
10576- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	Х	4.98	67.26	16.93	0.46	130.0	± 9.6 %
		Y	4.93	67.07	16.70		130.0	
		Z	4.95	67.11	16.73		130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	5.23	67.61	17.11	0.46	130.0	± 9.6 %
		Y	5.18	67.42	16.88		130.0	
40570	JEEE 000 44 MIELO 4 DV 4500	Z	5.21	67.46	16.91		130.0	
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	Х	5.13	67.79	17.20	0.46	130.0	± 9.6 %
		Y	5.07	67.60	16.98		130.0	
10570	IEEE 000 44 MEET 0 4 OUT (DOOD	Z	5.10	67.62	17.00		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	Х	4.92	67.26	16.64	0.46	130.0	± 9.6 %
		Υ	4.85	66.98	16.35		130.0	
40500	IEEE 000 44 - MEET 0 4 000 (EEEE	Z	4.89	67.08	16.43		130.0	
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.96	67.18	16.62	0.46	130.0	± 9.6 %
		Y	4.89	66.92	16.33		130.0	
10504	NEEE 000 44-145510 4 011 (2000)	Z	4.93	67.01	16.41		130.0	
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	5.04	67.92	17.18	0.46	130.0	± 9.6 %
		Y	4.98	67.70	16.95		130.0	
40500	NEED 000 44 AMERICA COLLARO	Z	5.01	67.74	16.97		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.88	67.01	16.45	0.46	130.0	± 9.6 %
		Υ	4.81	66.72	16.14		130.0	
		Z	4.85	66.84	16.24		130.0	
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.95	67.11	16.87	0.46	130.0	± 9.6 %
		Υ	4.91	66.91	16.63		130.0	
1000		Z	4.93	66.95	16.67		130.0	
10584- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	Х	4.98	67.26	16.93	0.46	130.0	± 9.6 %
		Y	4.93	67.07	16.70		130.0	
		Z	4.95	67.11	16.73		130.0	
10585- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	5.23	67.61	17.11	0.46	130.0	± 9.6 %
		Υ	5.18	67.42	16.88		130.0	
10586-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18	Z X	5.21 5.13	67.46 67.79	16.91 17.20	0.46	130.0 130.0	±9.6 %
AAA	Mbps, 90pc duty cycle)					0.40		I9.0 %
		Y	5.07 5.10	67.60 67.62	16.98 17.00		130.0	
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.92	67.62	16.64	0.46	130.0 130.0	± 9.6 %
, , , ,	mopo, copo daty cycle)	Y	4.85	66.98	16.35		130.0	
		Z	4.89	67.08	16.43		130.0	
10588- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.96	67.18	16.62	0.46	130.0	± 9.6 %
		Y	4.89	66.92	16.33		130.0	
		Z	4.93	67.01	16.41		130.0	
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	5.04	67.92	17.18	0.46	130.0	± 9.6 %
		Y	4.98	67.70	16.95		130.0	\
		Z	5.01	67.74	16.97		130.0	
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.88	67.01	16.45	0.46	130.0	± 9.6 %
······································	, , , , , , , , , , , , , , , , , , , ,	Y	4.81	66.72	16.14		130.0	
		Z	4.85	66.84	16.24		130.0	

10591- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	5.10	67.15	16.94	0.46	130.0	± 9.6 %
		Y	5.06	66.97	16.72		130.0	
		Z	5.07	67.00	16.75		130.0	
10592- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.29	67.50	17.06	0.46	130.0	± 9.6 %
777	woor, sope daty cycle)	Y	5.24	67.32	16.84		120.0	
		Z	5.26	67.32			130.0	
10593-	REEL OOD 44 - (LE Mind COMP)			67.35	16.87	2.12	130.0	
AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.23	67.49	16.99	0.46	130.0	± 9.6 %
		Υ	5.17	67.29	16.76		130.0	
		Z	5.20	67.34	16.80		130.0	
10594- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	Х	5.27	67.61	17.11	0.46	130.0	± 9.6 %
		Υ	5.22	67.43	16.89		130.0	
		Z	5.25	67.46	16.92		130.0	
10595- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	Х	5.26	67.62	17.04	0.46	130.0	± 9.6 %
		Y	5.20	67.41	16.81		130.0	
		Z	5.23	67.46	16.84		130.0	
10596- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	Х	5.19	67.61	17.04	0.46	130.0	± 9.6 %
		Y	5.14	67.40	16.80		130.0	
		Z	5.17	67.44	16.84		130.0	
10597- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	5.15	67.57	16.97	0.46	130.0	± 9.6 %
		Y	5.09	67.35	16.72		130.0	
		Z.	5.12	67.41	16.76		130.0	
10598- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	5.13	67.83	17.22	0.46	130.0	± 9.6 %
	in our cope daily of oil of	Y	5.07	67.62	16.99		130.0	
		Z	5.10	67.66	17.02		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.77	67.78	17.12	0.46	130.0	± 9.6 %
7001	mode, cope daty cycle)	Y	5.72	67.60	16.91		130.0	
		Z	5.74	67.64	16.94			ļ
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	6.05	68.62	17.52	0.46	130.0 130.0	± 9.6 %
	l sope any spens	Y	5.98	68.34	17.26		130.0	
·		Ż	6.00	68.41	17.31		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.86	68.09	17.27	0.46	130.0	± 9.6 %
, , , , , , , , , , , , , , , , , , , ,	moon, oope daty oydo,	Y	5.80	67.88	17.04		130.0	
		Z	5.82	67.93	17.07		130.0	
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.98	68.19	17.24	0.46	130.0	± 9.6 %
	soo, sops day oyoloj	Y	5.90	67.93	16.99		130.0	<del>                                     </del>
		Z	5.94	68.03	17.05		130.0	-
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	6.09	68.56	17.54	0.46	130.0	± 9.6 %
		Y	6.02	68.33	17.31		130.0	
		Z	6.05	68.40	17.35		130.0	
10604-	IEEE 802.11n (HT Mixed, 40MHz,	$\frac{2}{X}$	5.79	67.78	17.15	0.46		1060
AAA	MCS5, 90pc duty cycle)					0.46	130.0	± 9.6 %
		Y	5.74	67.59	16.93		130.0	
10605-	IEEE 802.11n (HT Mixed, 40MHz,	Z X	5.76 5.91	67.64 68.09	16.97 17.31	0.46	130.0 130.0	± 9.6 %
AAA	MCS6, 90pc duty cycle)	1,		1 07.00	47.00		1000	ļ
		Y	5.85	67.88	17.08		130.0	ļ
10000	TETT 000 44c (UT Miss I 4040)	Z	5.87	67.94	17.12	A 1-	130.0	
10606- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	Х	5.67	67.56	16.92	0.46	130.0	± 9.6 %
		Y	5.62	67.36	16.69		130.0	
		Ż	5.63	67.40	16.73		130.0	1

10607-	IEEE 802.11ac WiFi (20MHz, MCS0,	X	4.93	66.44	16.55	0.46	130.0	± 9.6 %
AAA	90pc duty cycle)					0	100.0	20.070
		Υ	4.88	66.25	16.33		130.0	
10000	IEEE 000 44 - WEEL (DOLL) - 1400 4	Z	4.90	66.28	16.35		130.0	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	5.16	66.88	16.71	0.46	130.0	± 9.6 %
		Υ	5.11	66.69	16.49		130.0	
40000	IEEE 000 44 NVE (000 III 14000	Z	5.13	66.71	16.51		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	Х	5.05	66.80	16.60	0.46	130.0	± 9.6 %
		Y	4.99	66.58	16.36		130.0	
10610-	IEEE 802.11ac WiFi (20MHz, MCS3,	Z	5.02	66.62	16.39		130.0	
AAA	90pc duty cycle)	_	5.11	66.94	16.74	0.46	130.0	± 9.6 %
		Y	5.05	66.74	16.51		130.0	
10611-	IEEE 802.11ac WiFi (20MHz, MCS4,	X	5.07	66.77	16.54	0.40	130.0	
AAA	90pc duty cycle)		5.04	66.82	16.63	0.46	130.0	± 9.6 %
		Y	4.98	66.59	16.39		130.0	
10612-	IEEE 802.11ac WiFi (20MHz, MCS5,	Z	5.01 5.06	66.64	16.42	0.40	130.0	1000
AAA	90pc duty cycle)	Y		66.96	16.66	0.46	130.0	± 9.6 %
		Z	4.99	66.72	16.41		130.0	
10613-	IEEE 802.11ac WiFi (20MHz, MCS6,	X	5.02 5.08	66.77 66.91	16.45	0.40	130.0	
AAA	90pc duty cycle)	Y			16.58	0.46	130.0	± 9.6 %
		Z	5.01 5.04	66.66 66.72	16.32		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	5.00	67.09	16.37 16.80	0.46	130.0 130.0	± 9.6 %
	sope daty eyeley	Y	4.94	66.86	16.56		130.0	
		Z	4.96	66.90	16.59		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	5.04	66.62	16.41	0.46	130.0	± 9.6 %
	100000000	Y	4.98	66.38	16.15		130.0	
		Z	5.01	66.45	16.20		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.59	67.05	16.74	0.46	130.0	± 9.6 %
		Y	5.54	66.86	16.53		130.0	
		Z	5.56	66.89	16.55		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.66	67.16	16.76	0.46	130.0	± 9.6 %
		Y	5.60	66.97	16.55		130.0	
		Z	5.62	67.01	16.57		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.55	67.23	16.82	0.46	130.0	± 9.6 %
		Υ	5.50	67.04	16.61		130.0	
10515	1000	Z	5.51	67.07	16.62		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.57	67.04	16.66	0.46	130.0	± 9.6 %
		Y	5.51	66.84	16.44		130.0	
40000	IEEE 000 44 11/21/100 11/21	Z	5.53	66.88	16.47		130.0	
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.71	67.21	16.79	0.46	130.0	±9.6%
		Y	5.65	66.99	16.56		130.0	
10621-	IEEE 802.11ac WiFi (40MHz, MCS5,	Z X	5.67 5.67	67.05 67.21	16.60 16.90	0.46	130.0 130.0	± 9.6 %
AAA	90pc duty cycle)	-   .,	E 04	07.05	40.70		400.0	
		Y 7	5.61	67.05	16.70	<u></u>	130.0	
10622-	IEEE 802.11ac WiFi (40MHz, MCS6,	Z	5.63 5.66	67.07	16.71	0.46	130.0	1060/
AAA	90pc duty cycle)			67.33	16.95	0.46	130.0	± 9.6 %
		Y	5.61	67.14	16.74		130.0	
		14	5.63	67.17	16.76		130.0	

10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.58	67.03	16.70	0.46	130.0	± 9.6 %
		Y	5.51	66.79	16.46	1	130.0	l
		Z	5.54	66.88	16.51		130.0	l
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	Х	5.74	67.07	16.77	0.46	130.0	± 9.6 %
		Υ	5.68	66.89	16.57		130.0	
		Z	5.70	66.92	16.59		130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.12	68.00	17.28	0.46	130.0	± 9.6 %
		Υ Υ	6.07	67.85	17.09		130.0	
40000	IEEE 000 44 - JAMES (001 M.) - 14000	Z	6.06	67.78	17.06		130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.83	67.05	16.65	0.46	130.0	± 9.6 %
		Υ	5.78	66.88	16.46		130.0	
10627-	IEEE 902 44cc Wiei (90MHz MOC4	Z	5.79	66.91	16.47	0.10	130.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	6.10	67.59	16.86	0.46	130.0	± 9.6 %
		Y	6.05	67.42	16.67		130.0	
10000		Z	6.05	67.42	16.67		130.0	
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.92	67.28	16.66	0.46	130.0	±9.6%
		Y	5.86	67.08	16.45		130.0	
10629-	IEEE 000 440 - 1405 (0014)   14000	Z	5.88	67.13	16.48		130.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	6.03	67.42	16.72	0.46	130.0	± 9.6 %
		Y	5.97	67.19	16.49		130.0	
40000	IFFE 000 44 - WIFE (00MI) - MODA	Z	5.99	67.27	16.54		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	Х	6.68	69.49	17.76	0.46	130.0	±9.6 %
		Υ	6.56	69.10	17.44		130.0	
		Z	6.58	69,15	17.48		130.0	
10631- AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	Х	6.50	69.03	17.69	0.46	130.0	±9.6%
		Υ	6.41	68.76	17.46		130.0	
		Z	6.44	68.80	17.47		130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	Х	6.08	67.69	17.04	0.46	130.0	± 9.6 %
		Υ	6.03	67.54	16.87		130.0	
		Z	6.05	67.55	16.87		130.0	
10633- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	Х	6.06	67.65	16.87	0.46	130.0	±9.6 %
		Y	5.99	67.42	16.64		130.0	
		Z	6.01	67.48	16.68		130.0	
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	Х	6.02	67.58	16.89	0.46	130.0	±9.6 %
		Υ	5.96	67.38	16.68		130.0	
10555		Z	5.98	67.43	16.71		130.0	
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	Х	5.89	66.92	16.32	0.46	130.0	± 9.6 %
		Υ	5.83	66.68	16.08		130.0	
		Z	5.86	66.78	16.14		130.0	
10636- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	Х	6.23	67.45	16.75	0.46	130.0	± 9.6 %
		Y	6.19	67.29	16.56		130.0	
1000-		Z	6.20	67.31	16.57		130.0	
10637- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.44	67.93	16.96	0.46	130.0	± 9.6 %
		Υ	6.38	67.73	16.75		130.0	
		Z	6.40	67.78	16.78		130.0	
10638- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.41	67.82	16.88	0.46	130.0	± 9.6 %
		Y	6.36	67.64	16.69		130.0	
		Z	6.37	67.67	16.71		130.0	

10639- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.43	67.88	16.96	0.46	130.0	± 9.6 %
7001	sope duty cycle)	Y	6.38	67.70	16.77		130.0	
		Ż	6.39	67.74	16.79		130.0	
10640- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.48	68.03	16.99	0.46	130.0	± 9.6 %
		Y	6.42	67.80	16.76		130.0	
		Z	6.43	67.86	16.80		130.0	
10641- AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	Х	6.45	67.69	16.83	0.46	130.0	± 9.6 %
		Υ	6.39	67.49	16.62		130.0	
		Z	6.41	67.55	16.66		130.0	
10642- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	Х	6.53	68.02	17.15	0.46	130.0	± 9.6 %
		Υ	6.47	67.85	16.96		130.0	
		Z	6.49	67.89	16.98		130.0	
10643- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	Х	6.36	67.74	16.93	0.46	130.0	± 9.6 %
		Y	6.30	67.53	16.71		130.0	
		Z	6.31	67.59	16.75	·	130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.64	68.58	17.37	0.46	130.0	± 9.6 %
		Υ	6.55	68.29	17.12		130.0	
		Z	6.58	68.38	17.17		130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.88	68.81	17.43	0.46	130.0	± 9.6 %
		Υ	6.82	68.61	17.21		130.0	
		Z	6.82	68.61	17.22		130.0	
10646- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	25.26	106.71	35.56	9.30	60.0	± 9.6 %
		Y	24.21	105.83	35.01		60.0	
		Z	22.77	103.47	34.30		60.0	
10647- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	26.48	108.55	36.25	9.30	60.0	± 9.6 %
		Υ	24.67	107.00	35.49		60.0	
		Z	23.62	105.03	34.91		60.0	
10648- AAA	CDMA2000 (1x Advanced)	Х	1.07	68.58	14.85	0.00	150.0	± 9.6 %
		Υ	0.88	65.28	12.75		150.0	
		Z	0.91	65.79	13.10		150.0	

^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





S Schweizerischer Kalibrierdienst
C Service suisse d'étalonnage
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

Accreditation No.: SCS 0108

Client

**PC Test** 

Certificate No: ES3-3332_Aug17

### **CALIBRATION CERTIFICATE**

Object

ES3DV3 - SN:3332

Calibration procedure(s)

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

7/27/117

Calibration date:

August 14, 2017

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

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

Calibration Equipment used (M&TE critical for calibration)

Certificate No: ES3-3332_Aug17

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-17 (No. 217-02521/02522)	Apr-18
Power sensor NRP-Z91	SN: 103244	04-Apr-17 (No. 217-02521)	Apr-18
Power sensor NRP-Z91	SN: 103245	04-Apr-17 (No. 217-02525)	Apr-18
Reference 20 dB Attenuator	SN: S5277 (20x)	07-Apr-17 (No. 217-02528)	Apr-18
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-16)	In house check: Oct-17

Calibrated by:

Name
Function
Signature
Laboratory Technician

Approved by:

Katja Pokovic
Technical Manager

Issued: August 16, 2017

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
Servizio svizzero di taratura

**Swiss Calibration Service** 

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary:

TSL NORMx,y,z tissue simulating liquid sensitivity in free space

ConvF

sensitivity in TSL / NORMx,y,z

DCP

diode compression point

CF A, B, C, D crest factor (1/duty_cycle) of the RF signal 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.,  $\theta = 0$  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 θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the 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).

Certificate No: ES3-3332_Aug17 Page 2 of 38

# Probe ES3DV3

SN:3332

Manufactured:

January 24, 2012

Calibrated:

August 14, 2017

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

ES3DV3-SN:3332

## DASY/EASY - Parameters of Probe: ES3DV3 - SN:3332

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ² ) ^A	1.00	0.93	0.88	± 10.1 %
DCP (mV) ^B	104.0	103.0	103.0	

#### **Modulation Calibration Parameters**

UID	Communication System Name		A dB	B dB√μV	O	D dB	VR mV	Unc ^E (k=2)
0	CW	Х	0.0	0.0	1.0	0.00	192.0	±3.5 %
		Υ	0.0	0.0	1.0		194.3	
		Z	0.0	0.0	1.0		179.9	

Note: For details on UID parameters see Appendix.

#### **Sensor Model Parameters**

	C1	C2	α	T1	T2	Т3	T4	T5	Т6
	fF ,	fF	V ⁻¹	ms.V ⁻²	ms.V⁻¹	ms	V-2	V-1	]
X	76.72	548.9	35.46	56.44	4.600	5.1	0.000	0.903	1.011
Y	44.78	323.3	35.85	29.01	2.529	5.1	0.000	0.546	1.009
Z	38.01	268.3	34.56	26.38	1.777	5.1	0.096	0.424	1.004

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

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

Numerical linearization parameter: uncertainty not required.

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

## DASY/EASY - Parameters of Probe: ES3DV3 - SN:3332

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

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)		
750	41.9	0.89	6.81	6.81	6.81	0.72	1.31	± 12.0 %		
835	41.5	0.90	6.64	6.64	6.64	0.80	1.21	± 12.0 %		
1750	40.1	1.37	5.56	5.56	5.56	0.80	1.20	± 12.0 %		
1900	40.0	1.40	5.33	5.33	5.33	0.76	1.26	± 12.0 %		
2300	39.5	1.67	4.99	4.99	4.99	0.70	1.36	± 12.0 %		
2450	39.2	1.80	4.68	4.68	4.68	0.63	1.48	± 12.0 %		
2600	39.0	1.96	4.56	4.56	4.56	0.80	1.23	± 12.0 %		

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

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 ConyF uncertainty for indicated target tissue parameters.

the ConvF uncertainty for indicated target tissue parameters.

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

### DASY/EASY - Parameters of Probe: ES3DV3 - SN:3332

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

			•		•			
f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	6.54	6.54	6.54	0.55	1.43	± 12.0 %
835	55.2	0.97	6.47	6.47	6.47	0.71	1.27	± 12.0 %
1750	53.4	1.49	5.16	5.16	5.16	0.80	1.22	± 12.0 %
1900	53.3	1.52	4.95	4.95	4.95	0.54	1.56	± 12.0 %
2300	52.9	1.81	4.74	4.74	4.74	0.80	1.30	± 12.0 %
2450	52.7	1.95	4.55	4.55	4.55	0.80	1.17	± 12.0 %
2600	52.5	2.16	4.43	4.43	4.43	0.80	1.12	± 12.0 %

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

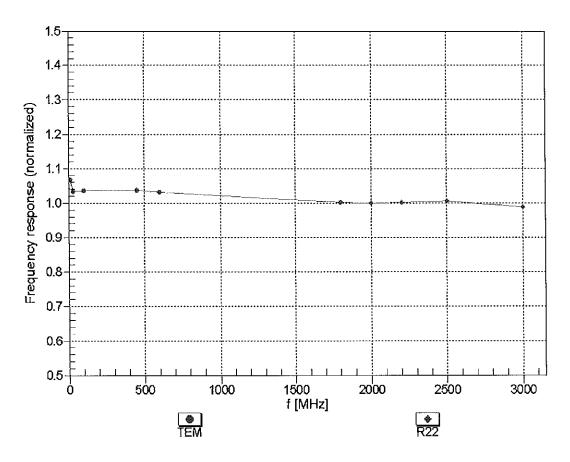
validity can be extended to ± 110 MHz.

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 ConvE uncertainty for indicated target tissue parameters.

the ConvF uncertainty for indicated target tissue parameters.

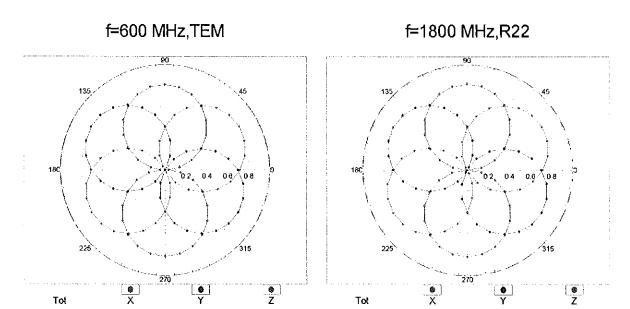
Galpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

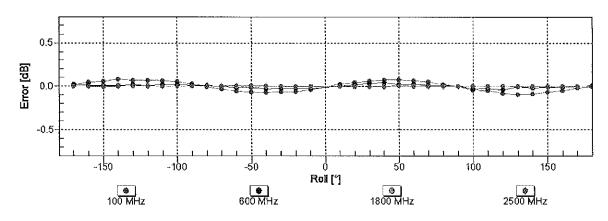
## Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

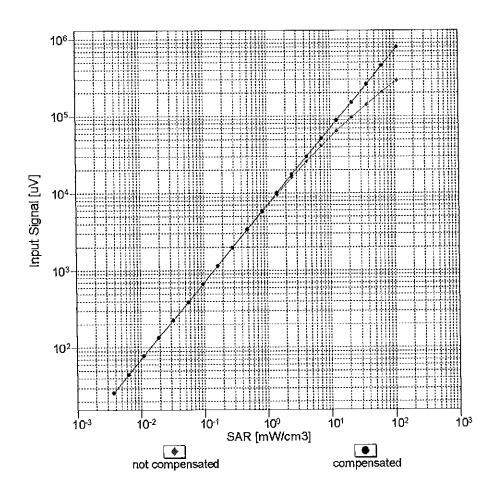
## Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

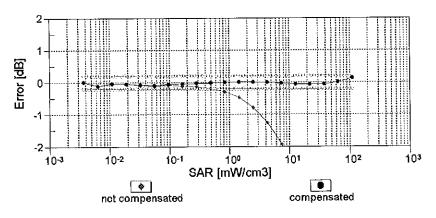




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

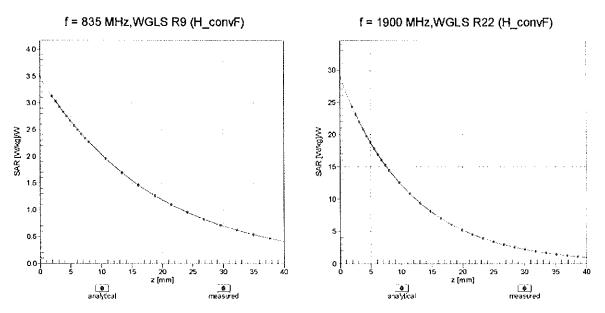
## Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)





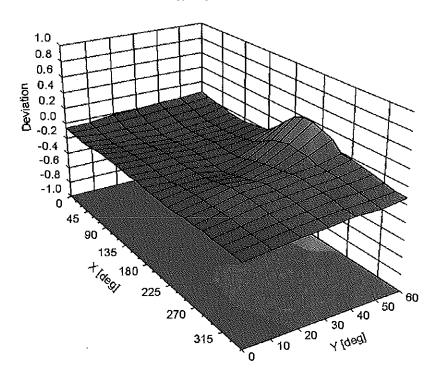
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

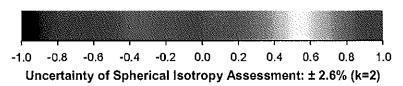
## **Conversion Factor Assessment**



## **Deviation from Isotropy in Liquid**

Error  $(\phi, \vartheta)$ , f = 900 MHz





## DASY/EASY - Parameters of Probe: ES3DV3 - SN:3332

#### Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	50
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

**Appendix: Modulation Calibration Parameters** 

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max Unc ^E (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	192.0	± 3.5 %
		Υ	0.00	0.00	1.00		194.3	
10010-	CADV-EL-C (C 100	Z	0.00	0.00	1.00		179.9	
CAA	SAR Validation (Square, 100ms, 10ms)	X	9.02	77.08	18.94	10.00	25.0	± 9.6 %
		Y	12.19	85.73	21.41		25.0	
10011-	LUATO EDD MAODAAN	Z	23.02	95.31	23.86		25.0	
CAB	UMTS-FDD (WCDMA)	X	1.60	76.05	19.77	0.00	150.0	± 9.6 %
<del></del>		Y	1.08	68.15	15.73		150.0	
10012-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	Z X	1.25 1.52	71.36	17.60	0.44	150.0	
CAB	Mbps)			68.53	17.98	0.41	150.0	± 9.6 %
		Y	1.33	65.39	16.06		150.0	
10013-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	1.37	66.35	16.79	4.40	150.0	
CAB	OFDM, 6 Mbps)	ļ. :	5.37	67.71	17.82	1.46	150.0	± 9.6 %
		Y	5.07	67.50	17.57		150.0	
10021-	GSM-FDD (TDMA, GMSK)	Z	4.99 11.16	67.81 81.48	17.71 22.11	0.00	150.0	1000
DAC	GOWH DD (TDWA, GWAK)	<u></u>				9.39	50.0	± 9.6 %
		Z	61.59 100.00	115.23 122.78	32.13		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	11.07	81.20	33.35 22.06	9.57	50.0 50.0	± 9.6 %
<u>Dr to</u>		Y	43.11	109.07	30.52		50.0	
		z	100.00	122.63	33.33		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	12.88	85.34	22.06	6.56	60.0	± 9.6 %
		Υ	100.00	120.15	31.36		60.0	
		Z	100.00	120.25	30.99		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	19.49	99.22	36.41	12.57	50.0	± 9.6 %
		7	15.67	100.74	38.44		50.0	
10026-	EDGE-FDD (TDMA, 8PSK, TN 0-1)	Z	29.43 18.92	124.69	47.97	0.50	50.0	. 0.00/
DAC	EDGE-FDD (TDMA, 8PSK, TN U-1)	X		96.32	32.19	9.56	60.0	± 9.6 %
		Y	17.33	101.02	35.08		60.0	
10027-	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	Z X	24.89 24.19	113.23 95.70	39.81 24.33	4.80	60.0 80.0	± 9.6 %
DAC		Y	100.00	119.30	30.03		00.0	
		Z	100.00	120.36	30.03		80.0 80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	115.36	28.49	3.55	100.0	± 9.6 %
		Υ	100.00	119.83	29.45		100.0	
		Z	100.00	122.10	30.18		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	16.27	93.78	30.32	7.80	80.0	± 9.6 %
		Y	11.67	92.24	30.90		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Z X	13.37 15.68	97.80 88.86	33.46 22.54	5.30	80.0 70.0	± 9.6 %
JAA		Y	100.00	118.49	29.99		70.0	<u>'</u>
		Z	100.00	118.88	29.80		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	116.01	27.12	1.88	100.0	± 9.6 %
		Y	100.00	121.13	28.42		100.0	
		Z	100.00	126.03	30.32		100.0	

10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Х	100.00	119.38	27.36	1.17	100.0	± 9.6 %
UAA		Y	100.00	126.54	29.58	1	400.0	
****		Z	100.00				100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK,	X	13.27	136.16 88.21	33.43 24.10	5.30	100.0 70.0	± 9.6 %
CAA	DH1)	Υ	00.04	00.00	07.40		70.0	
<del></del>		Z	20.91 58.05	99.02 115.59	27.13		70.0	
10034-	IEEE 802.15.1 Bluetooth (PI/4-DQPSK,	X	16.18	96.67	31.27 25.44	4.00	70.0	1000
CAA	DH3)					1.88	100.0	± 9.6 %
		Y	10.83	91.57	22.94		100.0	
10035-	IEEE 802.15.1 Bluetooth (PI/4-DQPSK,	Z	52.78 12.45	113.06	28.24	4.45	100.0	
CAA	DH5)			95.04	24.79	1.17	100.0	± 9.6 %
		Y	5.49	83.70	20.10		100.0	
10036-	IEEE 900 45 4 Divisto att (0 DDCK DUA)	Z	18.62	100.06	24.56		100.0	
CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	14.34	89.63	24.62	5.30	70.0	±9.6%
		Y	26.79	103.24	28.41		70.0	
40007	LEEE 000 45 4 DL	Z	95.10	123.67	33.30		70.0	
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Х	15.98	96.45	25.32	1.88	100.0	± 9.6 %
		Υ	9.62	89.98	22.43		100.0	
10000		Z	37.04	108.35	27.08		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	13.91	96.94	25.41	1.17	100.0	± 9.6 %
		Υ	5.69	84.50	20.47		100.0	
		Z	19.52	101.18	25.01		100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	X	3.28	80.46	20.53	0.00	150.0	± 9.6 %
		Υ	1.92	73.09	15.89		150.0	-
		Z	3.08	80.13	18.22		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	Х	11.60	82.51	21.10	7.78	50.0	± 9.6 %
		Y	100.00	118.83	31.00		50.0	
		Ż	100.00	118.47	30.39		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.02	128.88	9.05	0.00	150.0	± 9.6 %
		Υ	0.00	96.92	0.26		150.0	
		Z	0.02	60.00	140.78		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	Х	10.75	78.30	22.86	13.80	25.0	± 9.6 %
		Y	15.61	90.30	26.65		25.0	-
		Z	32.75	104.57	30.45		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	Х	10.92	80.23	22.15	10.79	40.0	± 9.6 %
		Υ	20.87	96.36	27.22	··	40.0	
		Z	64.62	115.72	32.06		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	Х	11.51	81.76	22.84	9.03	50.0	± 9.6 %
		Y	15.28	90.93	25.77		50.0	
		Z	25.94	101.11	28.65		50.0	<del>                                     </del>
10058- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	Х	14.19	91.88	29.00	6.55	100.0	± 9.6 %
		Υ	8.68	86.53	28.09		100.0	
		Z	9.12	89.51	29.70		100.0	
10059- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	Х	2.01	72.72	19.70	0.61	110.0	± 9.6 %
		Y	1.51	67.62	17.16		110.0	
		Z	1.56	68.78	17.10		110.0	<del>                                     </del>
10060- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	126.29	32.07	1.30	110.0	± 9.6 %
		Υ	100.00	132.71	34.39	<u> </u>	1100	
		Z	100.00				110.0	
			100.00	137.07	36.21		110.0	

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	36.66	112.50	30.92	2.04	110.0	± 9.6 %
		Y	11.07	98.15	27.76	1	110.0	<del> </del>
		Z	22.12	112.16	32.18		110.0	† ···
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	Х	5.03	67.33	17.05	0.49	100.0	± 9.6 %
··		Y	4.77	67.19	16.82		100.0	
10000	1777	Z	4.70	67.51	16.97		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	Х	5.09	67.56	17.23	0.72	100.0	± 9.6 %
		Y	4.81	67.36	16.96		100.0	
10064-	IEEE 000 44-% MEE COLL (OFD) 4 40	Z	4.74	67.68	17.11		100.0	
CAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps)	Х	5.47	67.93	17.49	0.86	100.0	± 9.6 %
		Y	5.10	67.63	17.20		100.0	
10065-	IEEE 900 440/h WIELE OUT (OFD) 4 40	Z	5.00	67.90	17.32		100.0	
CAB	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps)	X	5.40	68.08	17.70	1.21	100.0	± 9.6 %
		Y	5.02	67.68	17.39		100.0	
10066-	JEEE 902 440% WEELS OUT (OFFICE)	Z	4.92	67.92	17.50		100.0	
CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	5.49	68.31	17.98	1.46	100.0	± 9.6 %
<u> </u>		Y	5.08	67.82	17.62		100.0	
10067-	IEEE 000 44 # MEE'E OU (OFFILE 04	Z	4.97	68.04	17.73		100.0	
CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	Х	5.84	68.47	18.45	2.04	100.0	± 9.6 %
		Y	5.42	68.13	18.14		100.0	
40000	IEEE OOG 44 S MINE IN OUR 10 TO THE	Z	5.31	68.42	18.28		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	6.07	69.08	18.91	2.55	100.0	± 9.6 %
		Y	5.53	68.32	18.44		100.0	
		Z	5.39	68.51	18.54		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	6.13	68.90	19.06	2.67	100.0	± 9.6 %
		Υ	5.61	68.37	18.66		100.0	
		Z	5.48	68.58	18.76		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	Х	5.56	68.08	18.26	1.99	100.0	± 9.6 %
		Υ	5.22	67.75	17.96		100.0	
		Z	<u>5</u> .14	68.03	18.10		100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	5.71	68.87	18.66	2.30	100.0	± 9.6 %
		Υ	5.28	68.28	18.29		100.0	
40070		Z	5.18	68.53	18.42		100.0	
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	Х	5.93	69.43	19.17	2.83	100.0	± 9.6 %
		Y	5.43	68.68	18.74		100.0	
40074	LEEF 000 44 MEET 0 1 000	Z	5.32	68.95	18.89		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	6.04	69.75	19.56	3.30	100.0	± 9.6 %
		Y	5.49	68.80	18.99		100.0	
40075	LEGE 000 44 MINE O 1 O 1	Z	5.38	69.07	19.15		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	6.35	70.65	20.23	3.82	90.0	± 9.6 %
		Y	5.63	69.18	19.44		90.0	
40020	LEEE COO 44 INCE C. C.	Z	5.49	69.37	19.56		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	Х	6.37	70.50	20.38	4.15	90.0	± 9.6 %
		Y	5.68	69.10	19.63		90.0	
		Z	5.56	69.34	19.78		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	Х	6.43	70.65	20.50	4.30	90.0	± 9.6 %
		Y	5.73	69.22	19.75		90.0	
		Z	5.61	69.48	19.91		90.0	

10081-	CDMA2000 (1xRTT, RC3)	X	1.62	75.66	18.40	0.00	150.0	± 9.6 %
CAB		<del>  _</del>	0.07	66.74	40.00		450.0	
		Y Z	0.87 1.13	66.71 71.02	12.69 14.45		150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	X	3.53	66.20	10.93	4.77	150.0 80.0	± 9.6 %
		Y	2.19	64.40	9.18		80.0	
		Z	1.96	64.15	8.74		80.0	-
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	12.79	85.25	22.06	6.56	60.0	± 9.6 %
		<u> </u>	100.00	120.23	31.42		60.0	
10007		Z	100.00	120.31	31.04		60.0	
10097- CAB	UMTS-FDD (HSDPA)	X	2.06	70.06	17.46	0.00	150.0	± 9.6 %
		Y	1.88	68.31	15.96		150.0	
10098-	LIMITO EDD (LICHDA CLaLO)	Z	2.04	70.38	16.98		150.0	
CAB	UMTS-FDD (HSUPA, Subtest 2)	X	2.02	70.12	17.47	0.00	150.0	± 9.6 %
		Y	1.84	68.27	15.94		150.0	
10099-	EDGE-FDD (TDMA, 8PSK, TN 0-4)	Z	2.00	70.37	16.98		150.0	
DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	18.80	96.14	32.13	9.56	60.0	± 9.6 %
		Y	17.28	100.91	35.04		60.0	
10100-	LTE-FDD (SC-FDMA, 100% RB, 20	Z	24.81	113.10	39.77		60.0	
CAD	MHz, QPSK)	X	3.84	73.61	18.19	0.00	150.0	± 9.6 %
		Y	3.15	70.58	16.91		150.0	
10101-	LTE CDD (CC CDMA 4000) DD 00	Z	3.25	71.69	17.61		150.0	
CAD	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	Х	3.58	69.11	16.83	0.00	150.0	± 9.6 %
		Y	3.26	67.74	16.10		150.0	
10102-	LTE-FDD (SC-FDMA, 100% RB, 20	Z X	3.26 3.66	68.29 68.88	16.47 16.84	0.00	150.0 150.0	±9.6 %
CAD	MHz, 64-QAM)	1	0.00					
		Y	3.36	67.71	16.19		150.0	
10103-	LTE-TDD (SC-FDMA, 100% RB, 20	Z	3.36	68.23	16.52		150.0	
CAD	MHz, QPSK)	X	9.75	77.78	20.81	3.98	65.0	± 9.6 %
<del></del>		Y	8.78	79.16	21.83		65.0	
10104-	LTE TOD (CC EDMA 400% DD 00	Z	9.34	81.38	22.82		65.0	
CAD	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	9.87	77.22	21.49	3.98	65.0	± 9.6 %
		Y	8.42	77.09	21.77		65.0	
10105-	LTE-TDD (SC-FDMA, 100% RB, 20	<u> </u>	8.44	78.16	22.31		65.0	
CAD	MHz, 64-QAM)	X	9.19	75.82	21.15	3.98	65.0	± 9.6 %
		Y	8.07	76.20	21.66		65.0	
10108- CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	8.27 3.37	77.70 72.69	22.41 18.02	0.00	65.0 150.0	± 9.6 %
		Y	2.75	69.90	16.77		150.0	
		z	2.82	71.09	17.51		150.0	
10109- CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.26	68.97	16.85	0.00	150.0	± 9.6 %
	<u> </u>	Y	2.91	67.66	16.01		150.0	
		Z	2.92	68.36	16.42	<u> </u>	150.0	
10110- CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.79	71.81	17.85	0.00	150.0	± 9.6 %
		Υ	2.23	69.12	16.39		150.0	
		Z	2.31	70.62	17.23		150.0	<del></del>
10111- CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	Х	2.96	69.58	17.27	0.00	150.0	± 9.6 %
		Υ	2.63	68.64	16.31		150.0	
		Z	2.69	69.84	16.85		150.0	

10112- CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Х	3.36	68.71	16.80	0.00	150.0	± 9.6 %
		Y	3.03	67.66	16.06		150.0	
		Z	3.04	68.35	16.45		150.0	
10113- CAE	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	Х	3.10	69.46	17.27	0.00	150.0	± 9.6 %
		Y	2.78	68.78	16.44		150.0	
		Z	2.83	69.92	16.93		150.0	
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	Х	5.34	67.65	16.76	0.00	150.0	± 9.6 %
		Y	5.17	67.50	16.64		150.0	
		Z	5.08	67.64	16.74		150.0	
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.80	68.17	17.01	0.00	150.0	± 9.6 %
		Υ	5.44	67.60	16.69		150.0	
		Z	5.33	67.71	16.77		150.0	
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	Х	5.47	67.90	16.79	0.00	150.0	± 9.6 %
		Y	5.25	67.68	16.65		150.0	
		Z	5.17	67.85	16.77		150.0	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.34	67.65	16.78	0.00	150.0	± 9.6 %
		Y	5.12	67.32	16.56		150.0	
		Z	5.07	67.59	16.73		150.0	
10118- CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	Х	5.79	68.04	16.95	0.00	150.0	± 9.6 %
		Y	5.52	67.82	16.81		150.0	
		Z	5.42	67.93	16.89		150.0	
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	Х	5.44	67.84	16.78	0.00	150.0	± 9.6 %
		Υ	5.24	67.66	16.65		150.0	
		Z	5.17	67.84	16.77		150.0	
10140- CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	Х	3.72	68.86	16.76	0.00	150.0	± 9.6 %
		Y	3.39	67.72	16.10		150.0	
		Z	3.39	68.26	16.45	*****	150.0	
10141- CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	Х	3.82	68.79	16.84	0.00	150.0	± 9.6 %
		Υ	3.51	67.83	16.27		150.0	
		Z	3.51	68.36	16.60		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	Х	2.57	71.96	17.88	0.00	150.0	± 9.6 %
		Y	2.01	69.21	16.02		150.0	
		Z	2.13	71.18	16.95		150.0	
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	Х	2.89	70.53	17.42	0.00	150.0	± 9.6 %
		Υ	2.49	69.45	15.95		150.0	
		Z	2.62	71.11	16.52		150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	Х	2.69	68.52	16.05	0.00	150.0	± 9.6 %
		Υ	2.23	66.92	14.20		150.0	
		Z	2.23	67.85	14.42		150.0	
10145- CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	Х	2.07	72.06	16.97	0.00	150.0	± 9.6 %
		Υ	1.17	64.90	11.31		150.0	
		Z	1.08	64.84	10.72		150.0	
10146- CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	4.64	77.66	18.95	0.00	150.0	± 9.6 %
		Υ	1.89	66.33	11.57		150.0	
		Z	1.28	62.78	8.70		150.0	
10147- CAE	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	Х	5.86	81.36	20.54	0.00	150.0	± 9.6 %
		Υ	2.26	68.50	12.73	t	450.0	<del></del>
	l .	1 1 1	4.20	00.00	1 12.73		150.0	

10149- CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	Х	3.27	69.03	16.89	0.00	150.0	± 9.6 %
		Y	2.92	67.72	16.06		150.0	<del> </del>
		Z	2.93	68.43	16.47	<del> </del>	150.0	<u> </u>
10150- CAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	3.37	68.76	16.84	0.00	150.0	± 9.6 %
		Υ	3.04	67.71	16.11		150.0	
		Z	3.05	68.41	16.50		150.0	<u> </u>
10151- CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	9.88	78.98	21.39	3.98	65.0	± 9.6 %
		Y	9.54	82.00	22.98		65.0	
		Z	10.52	85.01	24.21		65.0	<del></del>
10152- CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	9.59	77.49	21.44	3.98	65.0	± 9.6 %
		Υ	8.05	77.33	21.53		65.0	-
		Z	<u>8.15</u>	78.63	22.11		65.0	
10153- CAD	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	9.88	78.01	21.96	3.98	65.0	± 9.6 %
		Y	8.51	78.32	22.28		65.0	
		Z	8.64	79.68	22.87		65.0	<u> </u>
10154- CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	2.88	72.43	18.21	0.00	150.0	± 9.6 %
		Υ	2.28	69.53	16.65		150.0	
		Ζ	2.36	71.01	17.47		150.0	
10155- CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.96	69.57	17.27	0.00	150.0	± 9.6 %
		Y	2.63	68.66	16.33		150.0	
		Z	2.70	69.87	16.88		150.0	···········
10156- CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.50	72.75	18.17	0.00	150.0	± 9.6 %
		Y	1.86	69.32	15.77		150.0	
		Z	2.00	71.53	16.72	-	150.0	
10157- CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.58	69.56	16.46	0.00	150.0	± 9.6 %
		Y	2.07	67.52	14.21		150.0	
		Z	2.11	68.66	14.46		150.0	
10158- CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	Х	3.11	69.51	17.31	0.00	150.0	± 9.6 %
<del>.</del>		Y	2.79	68.85	16.49		150.0	
		Z	2.84	70.00	16.99	·	150.0	
10159- CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	2.70	69.94	16.71	0.00	150.0	± 9.6 %
		Y	2.17	67.94	14.47		150.0	
		Z	2.21	69.05	14.68	·	150.0	
10160- CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	3.17	70.70	17.47	0.00	150.0	± 9.6 %
		Υ	2.80	69.22	16.63		150.0	
10/01		Z	2.84	70.27	17.24		150.0	
10161- CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	Х	3.25	68.62	16.80	0.00	150.0	± 9.6 %
		Υ	2.93	67.68	16.03		150.0	·
		Z	2.94	68.43	16.42		150.0	
10162- CAD	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	Х	3.34	68.54	16.80	0.00	150.0	± 9.6 %
		Υ	3.04	67.85	16.15		150.0	
10100		Z	3.05	68.62	16.54		150.0	
10166- CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.29	71.19	20.11	3.01	150.0	± 9.6 %
		Υ	3.58	69.86	19.45		150.0	-
		Z	3.34	69.55	19.26		150.0	
10167- CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	Х	5.65	74.34	20.64	3.01	150.0	± 9.6 %
		X Y Z	5.65 4.34	74.34 72.64	20.64 19.86	3.01	150.0 150.0	± 9.6 %

10168- CAE	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	Х	6.08	75.90	21.58	3.01	150.0	± 9.6 %
		Y	4.83	75.01	21.26		150.0	
		Z	4.38	74.50	20.98		150.0	
10169- CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	Х	4.41	74.54	21.42	3.01	150.0	± 9.6 %
		Υ	2.96	68.83	19.02		150.0	
		Z	2.72	67.99	18.57		150.0	
10170- CAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	6.70	80.82	23.44	3.01	150.0	± 9.6 %
		Y	3.91	74.17	21.18		150.0	
40474		Z	3.42	72.70	20.49		150.0	
10171- AAD	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	5.50	76.54	20.93	3.01	150.0	± 9.6 %
		Y	3.29	70.45	18.57		150.0	
10172-	LTC TDD (CC CDMA 4 DD CO MIL-	Z	2.94	69.58	18.14		150.0	
CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	25.76	101.07	30.32	6.02	65.0	± 9.6 %
		Y	18.45	102.75	32.10		65.0	
10172	LTC TDD /CC CDMA 4 DD CO MIL	Z	20.86	107.70	33.85	0.22	65.0	
10173- CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	19.21	92.24	26.33	6.02	65.0	± 9.6 %
		Y	26.29	105.14	31.12		65.0	
10174-	LTE TOD (SO FDMA 4 DD CO MIL	Z	28.49	108.55	32.12	0.00	65.0	
CAD	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	17.46	89.68	25.13	6.02	65.0	± 9.6 %
		Y	21.35	100.13	29.12		65.0	
10175	LTE EDD (CC EDMA 4 DD 40 MU)	Z	22.92	103.28	30.05		65.0	2.20
10175- CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	Х	4.34	74.12	21.15	3.01	150.0	±9.6 %
<del> </del>		Υ	2.93	68.55	18.79		150.0	
101-0		Z	2.70	67.77	18.36		150.0	
10176- CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	6.71	80.84	23.45	3.01	150.0	± 9.6 %
		Y	3.92	74.20	21.19		150.0	
		Z	3.42	72.72	20.50		150.0	
10177- CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	Х	4.38	74.32	21.26	3.01	150.0	± 9.6 %
		Y	2.95	68.69	18.87		150.0	
		Z	2.71	67.87	18.43		150.0	
10178- CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	Х	6.59	80.50	23.29	3.01	150.0	± 9.6 %
		Y	3.89	74.02	21.09		150.0	
		Z	3.41	72.61	20.43		150.0	
10179- CAE	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	6.03	78.45	22.01	3.01	150.0	± 9.6 %
		Y	3.58	72,24	19.76	-	150.0	
10180-	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-	Z X	3.16 5.47	71.11 76.42	19.23 20.86	3.01	150.0 150.0	± 9.6 %
CAE	QAM)	Y	3.28	70.40	18.53		150.0	<u>.</u>
		Z	2.94	69.55	18.53	<del> </del>	150.0	l l
10181-	LTE-FDD (SC-FDMA, 1 RB, 15 MHz,	X	4.38	74.30	21.25	3.01	150.0	± 9.6 %
CAD	QPSK)	^   Y			18.87	3.01		
		Z	2.95	68.67			150.0	
10182- CAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	2.71 6.58	67.86 80.48	18.43 23.29	3.01	150.0 150.0	± 9.6 %
J, 15	10 Strain	ΤΥ	3.88	74.00	21.08		150.0	<u> </u>
	1	Z	3.40	72.59	20.42	<del> </del>	150.0	
10183- AAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	5.46	76.40	20.85	3.01	150.0	± 9.6 %
7010	O'T WAITI)	T	3.28	70.38	18.52		150.0	
		Z	2.93	69.53	18.11	<del> </del>	150.0	
	I	; 4	4.30	1 09.00	1 10.11	<u> </u>	1 130.0	l

10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	Х	4.39	74.34	21.27	3.01	150.0	± 9.6 %
UNU	Qi JNJ	Y	0.00	00 74	40.00	1	<del> </del>	
		_	2.96	68.71	18.89		150.0	
10185-	LTE EDD (SC EDMA 4 DD 0 MILE 40	Z	2.72	67.89	18.44		150.0	
CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	Х	6.61	80.55	23.32	3.01	150.0	± 9.6 %
		Y	3.90	74.06	21.11		150.0	
		Z	3,42	72.64	20.45		150.0	
10186- AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	5.49	76.46	20.88	3.01	150.0	± 9.6 %
		Y	3.29	70.44	18.55		150.0	
		Ζ	2.95	69.59	18.14		150.0	
10187- CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	4.40	74.38	21.31	3.01	150.0	±9.6 %
		Υ	2.97	68.77	18.95		150.0	-
		Ζ	2.73	67.95	18.51		150.0	
10188- CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	Х	6.86	81.30	23.70	3.01	150.0	± 9.6 %
		Y	4.01	74.64	21.46		150.0	
		Z	3.49	73.09	20.74		150.0	
10189- AAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	Х	5.63	76.95	21.16	3.01	150.0	± 9.6 %
		Υ	3.36	70.82	18.81		150.0	· · ·
		Z	3.00	69.90	18.37		150.0	
10193- CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	X	4.76	66.98	16.56	0.00	150.0	± 9.6 %
		Y	4.53	66.89	16.29		150.0	· · · · · ·
		Z	4.48	67.27	16.46		150.0	
10194- CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	Х	4.98	67.40	16.66	0.00	150.0	± 9.6 %
		Y	4.70	67.19	16.42		150.0	
		Z	4.63	67.53	16.59		150.0	· · · · · · · · · · · · · · · · · · ·
10195- CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	5.02	67.38	16.65	0.00	150.0	± 9.6 %
		Y	4.74	67.22	16.44		150.0	
		Z	4.67	67.55	16.61	<del></del>	150.0	
10196- CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	Х	4.79	67.12	16.61	0.00	150.0	± 9.6 %
		Y	4.53	66.94	16.30		150.0	
<u>.</u>		Z	4.47	67.29	16.46		150.0	
10197- CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	X	5.00	67.41	16.67	0.00	150.0	± 9.6 %
		Y	4.71	67.21	16.43		150.0	
		Z	4.64	67.54	16.60		150.0	
10198- CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	Х	5.02	67.39	16.66	0.00	150.0	± 9.6 %
		Υ	4.74	67.23	16.45		150.0	- "
		Z	4.67	67.55	16.61		150.0	<del></del>
10219- CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	Х	4.75	67.15	16.58	0.00	150.0	± 9.6 %
		Υ	4.48	66.96	16.27		150.0	
		Z	4.43	67.33	16.43		150.0	
10220- CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	Х	5.00	67.42	16.67	0.00	150.0	± 9.6 %
		Υ	4.70	67.17	16.42		150.0	··· <u> </u>
		Z	4.63	67.50	16.58		150.0	
10221- CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	Х	5.03	67.33	16.65	0.00	150.0	± 9.6 %
		Y	4.75	67.16	16.44		150.0	
		Z	4.68	67.49	16.60		150.0	
1000	IEEE 802.11n (HT Mixed, 15 Mbps,	Х	5.32	67.70	16.79	0.00	150.0	± 9.6 %
10222- CAB	BPSK)	^	0.02	07.70	10.70	0.00	100.0	= 0.0 70
		Y	5.10	67.32	16.56		150.0	

10223- CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	Х	5.69	67.90	16.90	0.00	150.0	± 9.6 %
		Y	5.41	67.62	16.73		450.0	ļ
		$\frac{1}{Z}$	5.32	67.79			150.0	
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.40	67.86	16.83 16.79	0.00	150.0 150.0	± 9.6 %
		Y	5.14	67.44	16.54	<del>                                     </del>	150.0	
		Ż	5.08	67.68	16.69		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	3.04	66.91	16.27	0.00	150.0	± 9.6 %
		Y	2.80	66.45	15.40	<u> </u>	150.0	
		Z	2.79	67.13	15.62		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	Х	19.62	92.68	26.54	6.02	65.0	± 9.6 %
		Υ	28.14	106.53	31.60		65.0	
		Z	30.74	110.09	32.63		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	17.31	89.65	25.20	6.02	65.0	± 9.6 %
		Υ	25.62	103.45	30.17		65.0	
40000	LITE TOP (OA)	Z	27.71	106.63	31.05		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	25.12	101.14	30.46	6.02	65.0	± 9.6 %
····		Y	22.85	107.40	33.58		65.0	
40000	1.75.700 (00.50) (4.77.0)	Z	23.56	110.42	34.69		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	19.21	92.22	26.33	6.02	65.0	± 9.6 %
		Υ	26.37	105.18	31.14		65.0	
40000	177 700 400 700 400	Z	28.56	108.58	32.13		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	Х	16.99	89.27	25.02	6.02	65.0	± 9.6 %
		Υ	24.08	102.25	29.76		65.0	
40004		Z	25.76	105.25	30.60		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	24.47	100.57	30.23	6.02	65.0	± 9.6 %
		Y	21.54	106.10	33.13		65.0	
		Z	22.10	109.02	34.22		65.0	
10232- CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	Х	19.21	92.23	26.33	6.02	65.0	± 9.6 %
		Υ	26.35	105.17	31.13		65.0	
		Z	28.56	108.59	32.14		65.0	
10233- CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	16.99	89.29	25.03	6.02	65.0	±9.6 %
		Υ	24.05	102.24	29.76		65.0	
		Z	25.73	105.25	30.60		65.0	
10234- CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	23.75	99.87	29.94	6.02	65.0	± 9.6 %
		Y	20.44	104.88	32.66		65.0	
4000	1.TE TOD (00 501/1 4 50 10 10)	Z	20.94	107.73	33.73		65.0	
10235- CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	19.23	92.26	26.34	6.02	65.0	±9.6%
		Y	26.43	105.24	31.16		65.0	
40000	1 TC TDD (00 EDM) 4 DD 40 101	Z	28.68	108.68	32.16		65.0	. 0:
10236- CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	17.05	89.34	25.04	6.02	65.0	± 9.6 %
		Y	24.28	102.38	29.79		65.0	
10237- CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	26.05 24.65	105.43 100.72	30.64 30.28	6.02	65.0 65.0	± 9.6 %
UND	Set Oily	Y	21.67	106.26	33.17	1	65.0	
		Z	22.28	100.20	34.28		65.0	
10238- CAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	19.21	92.24	26.33	6.02	65.0	± 9.6 %
J, (D	10 00 1111)	Y	26.34	105.18	31.13		65.0	
		<u> </u>	28.55	108.60	32.14		65.0	
	1	1	20.00	100.00	UZ.14	1	1 00.0	1

10240- CAD	64-QAM)	\ \ \ \ \ \					1	
		ΙΥΙ	24.00	102.22	29.75		65.0	
		ż	25.68	105.23	30.60		65.0	
	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	Х	24.60	100.69	30.26	6.02	65.0	± 9.6 %
		Υ	21.61	106.21	33.16		65.0	
		Ζ	22.24	109.18	34.27		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	Х	14.83	87.15	27.43	6.98	65.0	± 9.6 %
		Υ	11.87	87.25	27.69		65.0	
		Z	12.27	89.81	28.71		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	14.03	85.86	26.85	6.98	65.0	± 9.6 %
		Υ	11.07	85.73	27.03		65.0	
		Ζ	11.88	89.15	28.39		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	12.50	85.61	27.61	6.98	65.0	± 9.6 %
		Υ	8.91	82.53	26.67		65.0	
		Z	9.40	85.62	28.06		65.0	
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	10.84	80.28	21.46	3.98	65.0	± 9.6 %
		Υ	8.60	79.06	19.82		65.0	
		Z	7.30	76.79	18.14		65.0	
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	10.80	80.00	21.33	3.98	65.0	± 9.6 %
		Υ	8.32	78.30	19.47		65.0	I
		Ζ	7.01	75.95	17.75		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	10.19	81.67	21.72	3.98	65.0	± 9.6 %
		Υ	9.19	82.92	21.40		65.0	
		Ζ	10.28	85.26	21.82		65.0	
10247- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	Х	9.24	78.33	20.99	3.98	65.0	± 9.6 %
		Υ	7.42	77.41	19.87		65.0	-
		Z	7.44	78.18	19.81		65.0	-
10248- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	9.29	78.02	20.88	3.98	65.0	± 9.6 %
		Υ	7.28	76.69	19.57		65.0	
		Ζ	7.17	77.21	19.40		65.0	
10249- CAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	10.52	82.18	22.29	3.98	65.0	± 9.6 %
		Υ	10.94	86.37	23.51		65.0	
		Ζ	13.59	90.89	24.82		65.0	
10250- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	Х	9.84	79.38	22.27	3.98	65.0	± 9.6 %
		Y	8.59	80.24	22.59		65.0	
		Z	8.91	81.95	23.17		65.0	
10251- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	Х	9.48	77.77	21.45	3.98	65.0	± 9.6 %
		Υ	7.96	77.76	21.28		65.0	
		Z	8.06	79.03	21.69		65.0	
10252- CAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	10.35	81.23	22.32	3.98	65.0	± 9.6 %
		Υ	10.67	85.75	24.25		65.0	
		Z	12.80	90.26	25.85		65.0	
10253- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	Х	9.41	77.10	21.37	3.98	65.0	± 9.6 %
		Υ	7.89	76.83	21.30		65.0	
		Z	7.98	78.11	21.82		65.0	
10254- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	Х	9.73	77.64	21.86	3.98	65.0	± 9.6 %
		Y	8.31	77.74	21.96		65.0	<u> </u>
		Ż	8.42	79.03	22.48		65.0	-

10255- CAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	9.76	78.98	21.63	3.98	65.0	± 9.6 %
		Y	9.21	81.58	22.99		65.0	<b>+</b>
		Z	10.10	84.50	24.17	<b>-</b>	65.0	<del> </del>
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	Х	10.36	79.33	20.55	3.98	65.0	± 9.6 %
		Y	6.89	75.10	17.29		65.0	
		Z	5.38	71.84	15.02		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	Х	10.33	78.98	20.36	3.98	65.0	± 9.6 %
		Υ	6.60	74.15	16.79		65.0	
10050		Z	5.14	70.90	14.50		65.0	1
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	9.84	80.89	21.06	3.98	65.0	± 9.6 %
		Y	6.93	77.80	18.67		65.0	
40050	LTC TOD (OO BOLL)	Z	6.67	77.68	18.06		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	9.48	78.65	21.42	3.98	65.0	± 9.6 %
		Υ	7.89	78.48	20.85		65.0	
40000	LITE TOD (OO EDIL)	Z	8.05	79.67	21.05		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	9.52	78.48	21.39	3.98	65.0	± 9.6 %
		Y	7.84	78.08	20.70		65.0	
10004	LITE TOD (OO ED) (A COOK ET EL)	Z	7.93	79.11	20.83		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	10.28	81.56	22.27	3.98	65.0	± 9.6 %
		Υ	10.28	85.25	23.51		65.0	
40000	175 700 (00 500)	Z	12.40	89.51	24.85		65.0	
10262- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	9.83	79.35	22.25	3.98	65.0	± 9.6 %
		Υ	8.56	80.18	22.55		65.0	
		Z	8.88	81.87	23.12		65.0	
10263- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	9.48	77.78	21.46	3.98	65.0	± 9.6 %
		Υ	7.94	77.74	21.28		65.0	
		Z	8.05	79.01	21.68		65.0	
10264- CAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	10.32	81.15	22.28	3.98	65.0	± 9.6 %
		Υ	10.57	85.55	24.15		65.0	
		Z	12.63	90.00	25.74		65.0	
10265- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	9.59	77.50	21.45	3.98	65.0	± 9.6 %
		Y	8.04	77.33	21.54		65.0	
		Z	8.14	78.63	22.11		65.0	
10266- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	9.89	78.01	21.96	3.98	65.0	± 9.6 %
		Υ	8.50	78.31	22.27		65.0	
40000	LITE TOP (OR TOWN	Z	8.64	79.67	22.86		65.0	
10267- CAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	9.88	78.96	21.38	3.98	65.0	± 9.6 %
		Υ	9.52	81.96	22.96		65.0	
10000	1 TE TEN (00 =====	Z	10.50	84.95	24.19		65.0	
10268- CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	9.95	76.96	21.54	3.98	65.0	± 9.6 %
		Y	8.52	76.88	21.79		65.0	
40000	LITE TOD (OO EDIVIDADE)	Z	8.53	77.92	22.30		65.0	
10269- CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	9.89	76.68	21.52	3.98	65.0	± 9.6 %
		Υ	8.46	76.46	21.67		65.0	
10072		Z	8.45	77.44	22.15		65.0	
10270- CAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	9.66	77.24	20.86	3.98	65.0	± 9.6 %
		Υ	8.81	78.78	21.90		65.0	
		Ζ	9.16	80.58	22.73		65.0	

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	Х	2.74	67.26	16.17	0.00	150.0	± 9.6 %
		Y	2.61	66.92	15.38		150.0	1
		Z	2.66	67.94	15.80		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	Х	2.05	72.21	18.03	0.00	150.0	± 9.6 %
		Y	1.65	68.50	15.87		150.0	
		Z	1.80	70.74	17.08		150.0	
10277- CAA	PHS (QPSK)	Х	8.03	72.61	16.76	9.03	50.0	± 9.6 %
		Y	5.31	69.07	13.45		50.0	
		Z	4.52	67.70	12.08		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	10.53	79.27	21.29	9.03	50.0	± 9.6 %
		Υ	8.21	77.64	19.35		50.0	
		Z	7.62	76.93	18.36		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	10.71	79.48	21.37	9.03	50.0	± 9.6 %
		Υ	8.29	77.74	19.41		50.0	
		Z	7.68	77.01	18.42		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	Х	2.46	75.92	18.53	0.00	150.0	± 9.6 %
		Υ	1.45	69.17	13.90		150.0	
		Z	1.74	72.52	15.01		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	Х	1.54	75.02	18.13	0.00	150.0	± 9.6 %
		Υ	0.85	66.46	12.55		150.0	
		Z	1.09	70.54	14.22		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	2.85	86.00	22.76	0.00	150.0	± 9.6 %
	,	Υ	1.20	72.00	15.52		150.0	
		Z	3.37	86.48	20.58		150.0	·
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	6.08	98.98	27.50	0.00	150.0	± 9.6 %
		Y	2.38	81.80	19.81		150.0	
		Z	91.77	132.75	32.89		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	Х	11.42	82.00	23.75	9.03	50.0	± 9.6 %
		Y	13.54	88.04	25.23		50.0	
		Z	20.14	95.71	27.34		50.0	
10297- AAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	3.39	72.81	18.09	0.00	150.0	± 9.6 %
		Υ	2.76	70.00	16.84		150.0	
		Z	2.84	71.20	17.58		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	2.33	72.89	17.78	0.00	150.0	± 9.6 %
		Υ	1.54	67.89	13.96		150.0	
1000		Z	1.61	69.51	14.40		150.0	
10299- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	4.61	76.96	19.19	0.00	150.0	± 9.6 %
		Υ	2.70	70.48	14.61		150.0	-
		Ζ	1.96	66.96	12.10		150.0	
10300- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	3.49	71.59	16.26	0.00	150.0	± 9.6 %
		Υ	1.91	65.24	11.36		150.0	
		Z	1.47	63.13	9.40		150.0	"
10301- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	6.59	70.34	20.04	4.17	80.0	± 9.6 %
		Υ	5.68	68.74	18.85		80.0	
		Ζ	5.70	69.67	19.26		80.0	
10302- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	Х	7.28	71.73	21.22	4.96	80.0	± 9.6 %
	1 10111112 Q1 011, 1 000, 0 0111L 341110013)							
AAA	Townse, at ord, 1 000, 0 011tt dymbold)	Y	6.10	69.04	19.43		80.0	

10303- AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	7.35	72.51	21.62	4.96	80.0	± 9.6 %
		Y	5.94	69.06	19.41	F	80.0	
		Z	5.89	69.82	19.76		80.0	<del> </del>
10304- AAA	1EEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	Х	6.69	70.97	20.39	4.17	80.0	± 9.6 %
		Y	5.59	68.42	18.66	· · · · · · · · · · · · · · · · · · ·	80.0	
		Z	5.56	69.20	19.00		80.0	<u> </u>
10305- AAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	14.75	90.64	29.58	6.02	50.0	± 9.6 %
		Y	10.18	84.38	26.41		50.0	
10000		Z	10.30	85.54	26.72		50.0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	Х	9.44	79.58	25.56	6.02	50.0	± 9.6 %
		Y	7.33	75.98	23.40		50.0	]
		Z	6.44	73.04	21.64		50.0	
10307- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	10.22	81.50	26.08	6.02	50.0	± 9.6 %
		Y	7.67	77.32	23.80		50.0	
4000		Z	7.49	77.77	23.93		50.0	
10308- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	Х	10.67	82.66	26.55	6.02	50.0	± 9.6 %
		Υ	7.93	78.29	24.23		50.0	
		Z	7.77	78.85	24.42		50.0	"
10309- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	Х	9.59	79.83	25.67	6.02	50.0	± 9.6 %
		Y	7.43	76.26	23.57		50.0	
		Z	6.50	73.23	21.79		50.0	
10310- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	Х	9.69	80.24	25.70	6.02	50.0	± 9.6 %
		Y	7.48	76.59	23.59		50.0	
		Z	7.35	77.19	23.79		50.0	-
10311- AAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.76	71.88	17.62	0.00	150.0	± 9.6 %
		Y	3.12	69.22	16.46		150.0	· · · · · ·
		Z	3.20	70.27	17.11		150.0	
10313- AAA	iDEN 1:3	Х	8.04	75.55	17.71	6.99	70.0	± 9.6 %
		Y	8.89	81.65	20.17		70.0	
		Z	12.54	87.83	22.26		70.0	
10314- AAA	IDEN 1:6	Х	10.06	79.94	21.38	10.00	30.0	± 9.6 %
		Υ	12.66	89.89	25.48		30.0	
		Z	20.06	99.62	28.65		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	Х	1.30	67.68	17.69	0.17	150.0	± 9.6 %
		Υ	1.18	64.90	15.80		150.0	
		Ζ	1.23	65.94	16.59		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.90	67.26	16.78	0.17	150.0	± 9.6 %
		Υ	4.64	67.10	16.54		150.0	
		Ζ	4.58	67.43	16.69		150.0	
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	Х	4.90	67.26	16.78	0.17	150.0	± 9.6 %
		Y	4.64	67.10	16.54		150.0	
.2		Z	4.58	67.43	16.69		150.0	
10400- AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	Х	5.01	67.47	16.66	0.00	150.0	± 9.6 %
		Υ	4.68	67.24	16.42		150.0	
		Z	4.61	67.58	16.60		150.0	
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	Х	5.58	67.43	16.66	0.00	150.0	± 9.6 %
MAU				1 2 2 2 2			† ·	
		Y	5.46	67.62	16.70		150.0	

10402- AAC	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	X	5.90	68.07	16.80	0.00	150.0	± 9.6 %
7010	33pc daty cycle)	Y	5.66	67.67	16.50		450.0	
		Z	5.60	67.87	16.59 16.71		150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	2.46	75.92	18.53	0.00	150.0 115.0	± 9.6 %
-		Y	1.45	69.17	13.90		115.0	
		Z	1.74	72.52	15.01		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	Х	2.46	75.92	18.53	0.00	115.0	± 9.6 %
		Y	1.45	69.17	13.90		115.0	
		Z	1.74	72.52	15.01		115.0	
10406- AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	38.96	111.40	30.01	0.00	100.0	± 9.6 %
		Υ	96.63	125.46	32.24		100.0	
40440	1 TE 700 (00 501)	Z	100.00	123.89	30.87		100.0	
10410- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	79.33	113.95	29.40	3.23	80.0	± 9.6 %
		Y	100.00	123.80	32.02		80.0	
40445	IFFE 000 (4) WEST COLUMN	Z	100.00	124.20	31.74		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	Х	1.01	64.64	16.23	0.00	150.0	± 9.6 %
		Υ	1.03	63.36	14.90		150.0	
40440		Z	1.08	64.37	15.69		150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	Х	4.76	67.00	16.58	0.00	150.0	± 9.6 %
		Y	4.53	66.92	16.37		150.0	
40447	TEEE COO 44 F HURE COLL 40 TO 1	Z	4.48	67.28	16.53		150.0	
10417- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	Х	4.76	67.00	16.58	0.00	150.0	± 9.6 %
<del></del>		Υ	4.53	66.92	16.37		150.0	
10440	IEEE OOG 44. MEET O 4 OU 4 (DOOG	Z	4.48	67.28	16.53		150.0	
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.74	67.14	16.57	0.00	150.0	± 9.6 %
****		Y	4.53	67.10	16.40		150.0	
10110		Z	4.48	67.49	16.59		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	Х	4.77	67.10	16.59	0.00	150.0	± 9.6 %
		Υ	4.55	67.04	16.39		150.0	
		Z	4.49	67.42	16.58		150.0	
10422- AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.90	67.10	16.59	0.00	150.0	± 9.6 %
		Υ	4.66	67.03	16.41		150.0	
45.455		Z	4.60	67.38	16.58		150.0	
10423- AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	5.14	67.54	16.75	0.00	150.0	± 9.6 %
		Υ	4.81	67.33	16.51		150.0	
40407		Z	4.74	67.65	16.67		150.0	
10424- AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	5.04	67.47	16.71	0.00	150.0	± 9.6 %
		Y	4.74	67.28	16.49		150.0	
10405	IEEE 000 44% (UE C	Z	4.66	67.61	16.65		150.0	
10425- AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	5.61	67.86	16.86	0.00	150.0	± 9.6 %
		Y	5.36	67.59	16.69		150.0	
10400	WTT 000 44 // TO	Z	5.29	67.80	16.81		150.0	
10426- AAA	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	X	5.62	67.87	16.86	0.00	150.0	± 9.6 %
		Υ	5.40	67.74	16.76		150.0	
	1	Z	5.31	67.91	16.86		150.0	

10427- AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	X	5.65	67.92	16.88	0.00	150.0	± 9.6 %
	5 . 30 umj	Y	5.39	67.63	10.70		450.0	
		Z	5.28	67.70	16.70 16.75		150.0	
10430-	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.50	70.33	18.46	0.00	150.0 150.0	1069/
AAB		^   Y	4.28	<u></u>		0.00		± 9.6 %
		Z	4.28	71.46 72.32	18.38		150.0	
10431-	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.28	67.66	18.56	0.00	150.0	
AAB	2.2.1 DD (O1 D1817, 10 14112, E-1141 0.1)				16.75	0.00	150.0	± 9.6 %
		Z	4.19 4.12	67.51	16.33		150.0	
10432- AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.83	67.97 67.55	16.50 16.72	0.00	150.0 150.0	± 9.6 %
		Y	4.50	67.35	16.43		150.0	
		Z	4.43	67.74	16.61		150.0	
10433- AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	5.06	67.54	16.75	0.00	150.0	± 9.6 %
		Υ	4.75	67.32	16.51		150.0	
		Z	4.68	67.64	16.67		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	Х	4.58	70.97	18.48	0.00	150.0	± 9.6 %
		Υ	4.39	72.38	18.32		150.0	
		Z	4.42	73.36	18.48		150.0	
10435- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	73.07	112.66	29.06	3.23	80.0	± 9.6 %
		Υ	100.00	123.60	31.93		80.0	
		Z	100.00	123.98	31.64		80.0	
10447- AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.91	67.87	16.49	0.00	150.0	±9.6 %
		Υ	3.47	67.50	15.53		150.0	
		Z	3.41	68.08	15.62		150.0	
10448- AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.36	67.43	16.61	0.00	150.0	± 9.6 %
		Υ	4.04	67.29	16.20		150.0	
		Z	3.99	67.77	16.38		150.0	
10449- AAB	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.59	67.37	16.63	0.00	150.0	± 9.6 %
		Υ_	4.32	67.18	16.33		150.0	
		Z	4.27	67.58	16.51		150.0	
10450- AAB	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.75	67.29	16.62	0.00	150.0	± 9.6 %
		Υ	4.52	67.08	16.36		150.0	
15.77		<u>Z</u>	4.47	67.43	16.54		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.88	68.25	16.35	0.00	150.0	± 9.6 %
		Y	3.34	67.60	15.06		150.0	
20.1==		Z	3.25	68.08	15.03		150.0	
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.45	68.48	17.01	0.00	150.0	± 9.6 %
		Y	6.28	68.20	16.88		150.0	
404==	LINETO EDD (E.O. VICEDE)	Z	6.24	68.43	17.01		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.87	65.68	16.38	0.00	150.0	±9.6%
		Y	3.81	65.57	16.07		150.0	
40450	ODIMAGGOOMA ELEBORE	Z	3.81	65.98	16.26		150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.63	67.17	15.82	0.00	150.0	± 9.6 %
		Y	3.13	66.82	14.32		150.0	
404==	001140000 (4 51150 5	Z	2.97	66.93	13.99		150.0	
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	Х	4.79	65.36	16.37	0.00	150.0	± 9.6 %
		Y	4.24	65.27	15.46		150.0	
		Z	4.13	65.72	15.38		150.0	

10460- AAA	UMTS-FDD (WCDMA, AMR)	Х	1.54	79.74	21.99	0.00	150.0	± 9.6 %
		Υ	0.95	69.06	16.64		150.0	
		Z	1.16	73.20	19.00		150.0	
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	118.00	30.59	3.29	80.0	± 9.6 %
		Υ	100.00	127.27	33.69		80.0	
		Z	100.00	128.13	33.61		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.76	26.18	3.23	80.0	± 9.6 %
		Y	100.00	111.69	26.26		80.0	
10100		Z	100.00	109.78	24.92		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	61.06	101.21	23.94	3.23	80.0	± 9.6 %
		Y	100.00	108.45	24.70		80.0	
40404	LITE TOP (OO FOLK)	Z	9.38	82.48	17.38		80.0	
10464- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	100.00	116.66	29.84	3.23	80.0	± 9.6 %
		Y	100.00	125.35	32.64		80.0	
40405	LTC TOD (OO FOLK) ( ST. SAW)	Z	100.00	125.94	32.43		80.0	
10465- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.47	26.02	3.23	80.0	± 9.6 %
		Y	100.00	111.17	26.01		80.0	
40400	LITE TOD (OO EDWA 4 DD OAN)	Z	44.16	100.58	22.73		80.0	
10466- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	42.58	96.75	22.75	3.23	80.0	± 9.6 %
		Y	42.99	98.93	22.41		80.0	
10467-	LTC TDD (OO EDMA 4 DD CAU	Z	5.89	77.61	15.84		80.0	
AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	116.79	29.90	3.23	80.0	± 9.6 %
<del></del> -		Y	100.00	125.60	32.75		80.0	
40400	LTC TOD (OO FOLIA 4 DD TANK	Z	100.00	126.22	32.56		80.0	
10468- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.56	26.07	3.23	80.0	± 9.6 %
		Y	100.00	111.35	26.09		80.0	
10.100	1.75 702 (0.0 75)	Z	61.74	104.33	23.64		0.08	
10469- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	43.83	97.08	22.83	3.23	80.0	± 9.6 %
		Υ	46.06	99.70	22.59		80.0	
10.170		Z	6.04	77.89	15.93		80.0	
10470- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	100.00	116.81	29.90	3.23	80.0	± 9.6 %
		Y	100.00	125.63	32.76		80.0	
10474	LTE TDD (00 EDMA 4 DD 40 ML 40	Z	100.00	126.25	32.56		80.0	
10471- AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	108.53	26.05	3.23	80.0	± 9.6 %
		Y	100.00	111.31	26.07		80.0	
10472-	LITE TOD (CC CDMA 4 DD 40 ML)	Z	61.64	104.26	23.61		80.0	
AAC AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	44.10	97.14	22.84	3.23	80.0	± 9.6 %
		Y	46.39	99.73	22.59		80.0	
10473-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz,	Z	6.02	77.83	15.90		80.0	
AAC	QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	116.79	29.89	3.23	80.0	± 9.6 %
		Y	100.00	125.60	32.74		80.0	
10474- AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00 100.00	126.23 108.54	32.55 26.05	3.23	80.0 80.0	± 9.6 %
, , , , ,	G ivi, OL OUDITAHIE-2,3,4,7,0,9)	Υ	100.00	444.00	00.07		00.0	
		Z	100.00	111.32	26.07		80.0	
10475-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-	X	60.20	104.02	23.55	2.00	80.0	
AAC	QAM, UL Subframe=2,3,4,7,8,9)		43.66	97.03	22.81	3.23	80.0	± 9.6 %
		Y	44.87	99.39	22.51		80.0	
		Z	5.94	77.72	15.87		0.08	

10477- AAÇ	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	108.43	26.00	3.23	80.0	± 9.6 %
, 0 10	₩ WY, OL GUDHAME-2,3,4,7,0,9)	Y	100.00	111.14	25.00		00.0	
		Z	48.11	101.47	25.99 22.92	·	80.0	
10478-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-	X	43.04	96.84	22.76	3.23	80.0 80.0	+069/
AAC	QAM, UL Subframe=2,3,4,7,8,9)					3.23		± 9.6 %
		Y	43.24	98.94	22.39		80.0	
10479-	LTC TOD (CC EDIMA FOR DD 4 AND	Z	5.86	77.55	15.80		80.0	
AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	18.43	95.26	26.62	3.23	80.0	± 9.6 %
		Υ	47.63	113.17	30.89		80.0	
10480-	LTE TOD (OO EDIM 50% DD 4 4 ML)	Z.	79.42	120.84	32.18		80.0	
AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	15.38	87.90	23.16	3.23	80.0	± 9.6 %
a		Y	35.80	101.51	25.84		80.0	
10101	LTC TOD (OO COLL)	Z	33.10	99.76	24.57		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	14.20	86.14	22.35	3.23	80.0	± 9.6 %
		Υ	23.64	94.76	23.60		80.0	
10		Z	17.83	90.68	21.64		80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	11.00	86.13	22.59	2.23	80.0	± 9.6 %
		Υ	6.54	80.66	19.81		80.0	
		Z	10.00	86.91	21.46		80.0	
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	11.81	84.53	22.26	2.23	80.0	± 9.6 %
		Υ	9.59	82.56	20.08		80.0	
		Z	5.79	75.74	16.81		80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	11.16	83.50	21.93	2.23	80.0	± 9.6 %
		Υ	8.15	80.18	19.27		80.0	
		Z.	5.05	73.86	16.10		80.0	
10485- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	11.03	86.44	23.15	2.23	80.0	± 9.6 %
•		Υ	6.87	82.16	21.41		80.0	
		Z	9.87	88.59	23.41		80.0	
10486- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	6.95	77.02	19.85	2.23	80.0	± 9.6 %
		Y	4.98	74.27	17.96		80.0	
		Z	5.53	76.50	18.48		80.0	
10487- AAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	6.82	76.43	19.65	2.23	80.0	± 9.6 %
7 7 7 7		Υ	4.85	73.54	17.65		80.0	<u> </u>
		Z	5.25	75.41	18.04		80.0	
10488- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	9.46	82.96	22.30	2.23	80.0	± 9.6 %
		Y	5.99	78.96	21.12		80.0	İ
		Z	6.82	82.33	22.47		80.0	
10489- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	6.62	75.52	19.96	2.23	80.0	± 9.6 %
		Y	4.91	73.20	18.90		80.0	
		Z	5.11	74.84	19.54		80.0	]
10490- AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	6.56	74.88	19.76	2.23	80.0	± 9.6 %
		Y	4.94	72.82	18.76		80.0	
		Z	5.10	74.33	19.33		80.0	
10491- AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	7.98	78.75	20.93	2.23	80.0	± 9.6 %
		Y	5.56	75.73	20.09		80.0	
		Z	5.84	77.68	21.00	1	80.0	
10492- AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	6.52	73.74	19.47	2.23	80.0	± 9.6 %
		Y	5.01	71.66	18.63		80.0	
		Ż	5.04	72.68	19.10	1	80.0	

10493- AAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	6.52	73.38	19.36	2.23	80.0	± 9.6 %
		Y	5.05	71.42	18.55		80.0	
		Z	5.05	72.38	18.97		80.0	<u> </u>
10494- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	9.30	81.16	21.56	2.23	80.0	± 9.6 %
		Y	6.19	77.55	20.65		80.0	
		Z	6.63	79.81	21.68		80.0	
10495- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	6.75	74.54	19.74	2.23	80.0	± 9.6 %
		Y	5.09	72.10	18.86		80.0	
		Ζ	5.10	73.07	19.34		80.0	
10496- AAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	6.67	73.87	19.53	2.23	80.0	±9.6 %
		Y	5.11	71.66	18.72		80.0	
		Z	5.11	72.57	19.16		80.0	<u> </u>
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	9.58	84.00	21.43	2.23	80.0	± 9.6 %
		Y	4.27	74.12	16.39		80.0	
		Z	5.12	76.54	16.66		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	6.19	75.19	17.72	2.23	80.0	± 9.6 %
		Y	2.33	64.39	11.23		80.0	
		Z	1.83	62.54	9.68		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	6.08	74.60	17.40	2.23	80.0	± 9.6 %
		Y	2.20	63.55	10.68		80.0	
		Z	1.70	61.64	9.07		80.0	<del></del>
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	9.69	83.97	22.50	2.23	80.0	± 9.6 %
		Y	6.26	80.30	21.12	"	80.0	
		Z	7.99	85,23	22.80		80.0	<del></del>
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	6.73	76.14	19.79	2.23	80.0	± 9.6 %
		Y	4.97	73.89	18.33		80.0	
		Z	5.41	76.03	18.94		80.0	· · · · · ·
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	6.66	75.65	19.59	2.23	80.0	± 9.6 %
		Υ	4.97	73.54	18.13		80.0	
		Z	5.36	75.51	18.67		80.0	
10503- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	9.33	82.74	22.21	2.23	80.0	± 9.6 %
<del></del>		Υ	5.90	78.70	21.01		80.0	
40501	1	Z	6.71	82.03	22.35		80.0	
10504- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	6.59	75.44	19.92	2.23	80.0	± 9.6 %
		Y	4.88	73.08	18.84		80.0	
40505	LITE TOP (OO FOLL)	Z	5.07	74.71	19.47		80.0	
10505- AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	6.52	74.79	19.72	2.23	80.0	± 9.6 %
		Y	4.91	72.71	18.70		80.0	
40500	LITE TOD (OO FOLIA (OCC) TO	Z	5.07	74.21	19.27		80.0	
10506- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	9.21	81.00	21.50	2.23	80.0	± 9.6 %
		Y	6.13	77.37	20.57		80.0	
40007	LTE TOD (OO FOLK)	Z	6.56	79.62	21.60		80.0	
10507- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	6.72	74.48	19.71	2.23	80.0	± 9.6 %
		Υ	5.07	72.03	18.82		80.0	

10508- AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	6.65	73.80	19.50	2.23	80.0	± 9.6 %
		Y	5.09	71.58	18.67		80.0	
		Z	5.09	72.48	19.12		80.0	
10509- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	8.15	77.43	20.26	2.23	80.0	± 9.6 %
		Υ	5.99	74.82	19.62		80.0	
		Z	6.17	76.24	20.35		80.0	
10510- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	6.94	73.36	19.32	2,23	80.0	± 9.6 %
		Y	5.42	71.16	18.60		80.0	
		Z	5.37	71.81	18.97		80.0	
10511- AAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	6.87	72.87	19.19	2.23	80.0	± 9.6 %
···		Υ	5.44	70.83	18.50		80.0	
		Z	5.39	71.45	18.85		80.0	i
10512- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	9.41	80.22	21.09	2.23	80.0	± 9.6 %
		Y	6.52	76.83	20.24		80.0	
10810		Z	6.84	78.58	21.10		80.0	
10513- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	7.03	74.19	19.61	2.23	80.0	± 9.6 %
		Υ	5.36	71.56	18.76		80.0	
40-44		Z	5.31	72.21	19.14		80.0	
10514- AAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	6.85	73.42	19.39	2.23	80.0	± 9.6 %
		Υ	5.32	71.03	18.59		80.0	
		Z	5.27	71.61	18.94		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.98	65.05	16.44	0.00	150.0	± 9.6 %
		Y	1.00	63.56	14.97		150.0	
40546	JEEF ROOMAN MEET ON A COLL /POOCE F.	Z	1.05	64.66	15.82		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	100.00	168.11	45.87	0.00	150.0	± 9.6 %
		Y	0.67	71.83	18.15		150.0	
10517-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	Z	1.04	80.65	22.82	0.00	150.0	1000
AAA	Mbps, 99pc duty cycle)		0.96	70.11	18.69	0.00	150.0	± 9.6 %
		Z	0.93	65.61 67.57	15.70 17.12		150.0 150.0	
10518- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.76	67.10	16.57	0.00	150.0	± 9.6 %
		Υ	4.53	67.01	16.35		150.0	
		Z.	4.47	67.38	16.53		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	5.02	67.44	16.72	0.00	150.0	± 9.6 %
		Υ	4.70	67.22	16.46		150.0	
40500	IEEE 000 44-5 MEET 5 ON 15-51	Z	4.63	67.55	16.62		150.0	
10520- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.86	67.45	16.66	0.00	150.0	± 9.6 %
		Y	4.55	67.17	16.38		150.0	
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.48 4.79	67.50 67.47	16.54 16.66	0.00	150.0 150.0	± 9.6 %
	poi ooko aad ojoio)	Y	4.48	67.16	16.36		150.0	
		z	4.42	67.48	16.53		150.0	<b> </b>
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.82	67.32	16.63	0.00	150.0	± 9.6 %
		Υ	4.55	67.29	16.46		150.0	
			7.00	07.20	10.70		100.0	1

10523- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	Х	4.69	67.31	16.53	0.00	150.0	± 9.6 %
		Y	4.44	67.17	16.32	<del> </del>	150.0	
		Ż	4.39	67.59	16.54	<del>                                     </del>	150.0	<del> </del>
10524- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.78	67.32	16.64	0.00	150.0	± 9.6 %
		Y	4.49	67.20	16.43		150.0	
		Ż	4.42	67.57	16.62	<del>                                     </del>	150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.72	66.35	16.23	0.00	150.0	± 9.6 %
		Y	4.49	66.26	16.02	<u> </u>	150.0	
		Ż	4.45	66.66	16.22		150.0	
10526- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	Х	4.95	66.78	16.37	0.00	150.0	± 9.6 %
		Y	4.64	66.60	16.16		150.0	
		] Z [	4.58	66.96	16.34		150.0	
10527- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.86	66.80	16.35	0.00	150.0	± 9.6 %
		Y	4.57	66.56	16.10		150.0	
		Z	4.51	66.93	16.29		150.0	
10528- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	Х	4.89	66.82	16.38	0.00	150.0	±9.6 %
		Υ	4.58	66.57	16.13		150.0	
		Z	4.52	66.94	16.32		150.0	
10529- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	Х	4.89	66.82	16.38	0.00	150.0	± 9.6 %
		Y	4.58	66.57	16.13		150.0	
		Z	4.52	66.94	16.32	i -	150.0	
10531- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	Х	4.92	67.00	16.42	0.00	150.0	± 9.6 %
·		Y	4.57	66.66	16.14		150.0	
		Z	4.49	66.99	16.31		150.0	
10532- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.76	66.93	16.40	0.00	150.0	± 9.6 %
		Y	4.43	66.51	16.07		150.0	-
		Z	4.37	66.85	16.25		150.0	-
10533- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	Х	4.90	66.82	16.35	0.00	150.0	± 9.6 %
		Υ	4.59	66.64	16.13		150.0	
		Z	4.53	67.03	16.33		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	Х	5.38	66.99	16.41	0.00	150.0	± 9.6 %
		Y	5.14	66.65	16.20		150.0	
		Z	5.08	66.89	16.34		150.0	
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	Х	5.47	67.13	16.46	0.00	150.0	± 9.6 %
		Υ	5.21	66.87	16.30		150.0	
105-		Z	5.13	67.05	16.42		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	Х	5.32	67.12	16.45	0.00	150.0	± 9.6 %
		Y	5.08	66.81	16.25		150.0	
4000-		Z	5.02	67.06	16.40		150.0	
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	Х	5.39	67.07	16.42	0.00	150.0	± 9.6 %
		Y	5.13	66.76	16.23		150.0	
10538-	IEEE 802.11ac WiFi (40MHz, MCS4,	Z	5.08 5.52	67.03 67.19	16.39 16.52	0.00	150.0 150.0	± 9.6 %
AAA	99pc duty cycle)	$\sqcup \bot$	·					
		Υ	5.21	66.77	16.27		150.0	
40540	IFFE 000 11 MINE	Z	5.14	66.99	16.41		150.0	
10540- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	Х	5.40	67.10	16.49	0.00	150.0	± 9.6 %
		Y	5.15	66.79	16.30		150.0	
		Z						

10541- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.41	67.10	16.49	0.00	150.0	± 9.6 %
		Y	5.12	66.64	16.21		150.0	
		Z	5.05	66.85	16.34		150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	Х	5.53	67.02	16.46	0.00	150.0	± 9.6 %
		Υ	5.28	66.73	16.27		150.0	
		Z	5.21	66.95	16.40		150.0	
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.65	67.09	16.50	0.00	150.0	± 9.6 %
		Y	5.35	66.75	16.31		150.0	
10544-	IFFE 000 44 - Wiff (00M) - MOOO	Z	5.28	67.01	16.46		150.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	X	5.63	67.05	16.36	0.00	150.0	± 9.6 %
		Y	5.46	66.75	16.19		150.0	
10545-	IEEE 902 11co WIEI (90MUz. MCC1	Z	5.42	66.95	16.31		150.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.85	67.43	16.48	0.00	150.0	± 9.6 %
		Y	5.67	67.24	16.39		150.0	
10546-	IEEE 909 44 on MARTE (DOMESTING ALCOCO	Z	5.61	67.44	16.52		150.0	
10546- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.76	67.40	16.49	0.00	150.0	± 9.6 %
		Y	5.52	66.93	16.25		150.0	
10547-	JEEE 900 4400 MEE (00M to MOCC	Z	5.45	67.09	16.35		150.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.86	67.50	16.53	0.00	150.0	± 9.6 %
		Y	5.59	67.00	16.28		150.0	
10510	IEEE 000 44 WEE (00MI) - MOO4	Z	5.54	67.20	16.40		150.0	
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	Х	6.21	68.68	17.08	0.00	150.0	± 9.6 %
		_ Y	5.87	68.02	16.76		150.0	
		Z	5.72	67.95	16.76		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	Х	5.77	67.31	16.45	0.00	150.0	± 9.6 %
		Υ	5.57	67.05	16.32		150.0	
		Z	5.52	67.30	16.47		150.0	
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.80	67.45	16.48	0.00	150.0	± 9.6 %
		Υ	5.55	67.00	16.26		150.0	
		Z	5.45	67.07	16.32		150.0	
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.69	67.19	16.37	0.00	150.0	± 9.6 %
		Υ	5.47	66.81	16.17		150.0	
		Z	5.43	67.06	16.31		150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.78	67.21	16.40	0.00	150.0	± 9.6 %
		Y	5.54	66.82	16.20		150.0	
		Z	5.48	67.01	16.32		150.0	
10554- AAB	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	Х	6.03	67.43	16.45	0.00	150.0	± 9.6 %
		Y	5.89	67.12	16.28		150.0	
		Z	5.84	67.28	16.38		150.0	
10555- AAB	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	Х	6.22	67.88	16.64	0.00	150.0	± 9.6 %
		Υ	6.02	67.44	16.43		150.0	
		Z	5.95	67.54	16.50		150.0	
10556- AAB	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	Х	6.20	67.79	16.59	0.00	150.0	± 9.6 %
		Υ	6.04	67.49	16.44		150.0	
		Z	5.99	67.66	16.55		150.0	
10557- AAB	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.21	67.81	16.62	0.00	150.0	± 9.6 %
		Y	5.99	67.35	16.39		150.0	
		Z	5.93	67.50	16.49		150.0	1

10558- AAB	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	Х	6.28	68.03	16.75	0.00	150.0	± 9.6 %
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Y	6.04	67.52	16.49		150.0	<del> </del>
		ż	5.95	67.59	16.55		150.0	<del> </del>
10560- AAB	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.28	67.87	16.71	0.00	150.0	± 9.6 %
		Υ	6.03	67.35	16.44		150.0	<b>1</b>
		Z	5.96	67.49	16.53		150.0	
10561- AAB	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	Х	6.18	67.80	16.71	0.00	150.0	± 9.6 %
		Y	5.96	67.36	16.48		150.0	
40500		Z	5.90	67.49	16.57		150.0	
10562- AAB	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.37	68.38	17.01	0.00	150.0	± 9.6 %
		Y	6.06	67.66	16.63		150.0	
10563-	IEEE 802.11ac WiFi (160MHz, MCS9,	Z	5.96	67.67	16.66	0.00	150.0	
AAB	99pc duty cycle)	X	6.58	68.54	17.02	0.00	150.0	±9.6%
		Y	6.18	67.65	16.59		150.0	
10564-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	6.05	67.62	16.60	0.10	150.0	
AAA	OFDM, 9 Mbps, 99pc duty cycle)	X	5.11	67.26	16.76	0.46	150.0	± 9.6 %
		Y Z	4.86	67.10	16.52		150.0	
10565-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.80	67.44	16.68	0.40	150.0	
AAA	OFDM, 12 Mbps, 99pc duty cycle)		5.41	67.77	17.08	0.46	150.0	± 9.6 %
		Y	5.08	67.53	16.83		150.0	
10566-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	5.00	67.82	16.97	2.40	150.0	
AAA	OFDM, 18 Mbps, 99pc duty cycle)	X	5.23	67.67	16.93	0.46	150.0	± 9.6 %
		Y	4.92	67.38	16.66		150.0	
10567	IFFE 000 44 - WITH 0 4 OUT (DOOG	Z	4.84	67.67	16.80		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	5.26	68.03	17.24	0.46	150.0	± 9.6 %
		Y	4.95	67.77	17.01		150.0	
10568-	IEEE 000 44 ~ WEEL 0 4 OUT (D000	Z	4.87	68.04	17.15		150.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	5.14	67.36	16.67	0.46	150.0	± 9.6 %
		Y	4.84	67.19	16.45		150.0	
10560	IEEE 000 44. WEE 0 4 OU (DOOD	<u>Z</u>	4.75	67.49	16.60		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	Х	5.19	68.02	17.24	0.46	150.0	± 9.6 %
		Y	4.92	67.92	17.11		150.0	
10570-	IEEE 000 44- WEE 0 4 OUT /POOC	Z	4.86	68.27	17.29		150.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	5.23	67.81	17.17	0.46	150.0	± 9.6 %
		Y	4.94	67.74	17.02		150.0	
10571-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	Z	4.86	68.06	17.18		150.0	
AAA	Mbps, 90pc duty cycle)	X	1.68	70.36	18.73	0.46	130.0	± 9.6 %
		Y	1.37	66.32	16.49		130.0	
10572-	IEEE 902 445 WEELS 4 OLD (DOOS S	Z	1.41	67.39	17.29		130.0	
AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.75	71.47	19.28	0.46	130.0	± 9.6 %
		Y	1.40	67.01	16.89		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	Z X	1.45 100.00	68.17 142.31	17.74 37.38	0.46	130.0 130.0	± 9.6 %
	maps, cope duty cycle)	Y	5.69	99.12	27.00		400 0	
***		Z	66.26	143.73	27.30	<u> </u>	130.0	
10574-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	X	3.57	87.71	39.41	0.40	130.0	1000
AAA	Mbps, 90pc duty cycle)				25.60	0.46	130.0	± 9.6 %
		Y	1.70	74.22	20.29		130.0	
	<u> </u>	Z	1.88	76.94	21.86		130.0	

10575-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.95	67.19	16.89	0.46	130.0	± 9.6 %
AAA	OFDM, 6 Mbps, 90pc duty cycle)			]	10.00	0.40	100.0	1 3.0 /6
		Υ	4.69	67.03	16.64		130.0	
10576-	TEET 000 44 INSTITUTE OF OUR CORNE	Z	4.63	67.35	16.80		130.0	
AAA 	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	X	4.98	67.35	16.96	0.46	130.0	± 9.6 %
		Υ	4.72	67.20	16.72		130.0	
40577	UTTER OOD 11 AMERICAN	Z	4.66	67.55	16.88		130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	5.24	67.69	17.13	0.46	130.0	± 9.6 %
		Y	4.90	67.46	16.87		130.0	
10578-	)EEE 000 44 - 146E 0 4 OU - (D000	Z	4.82	67.76	17.01		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	5.14	67.89	17.23	0.46	130.0	± 9.6 %
		Y	4.81	67.63	16.98		130.0	
10579-	IEEE 902 44 ~ MIEE 2 4 CU = /D200	Z	4.73	67.92	17.12		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.94	67.39	16.68	0.46	130.0	± 9.6 %
		Y	4.58	66.91	16.29		130.0	
10580-	TEEE 900 44a WEE 0 4 OU - 70000	Z	4.50	67.21	16.45		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.98	67.29	16.65	0.46	130.0	± 9.6 %
		Y	4.62	66.97	16.32		130.0	
10581-	IFFE DOD 44% MEETS O 4 OUT (DOOG	Z	4.54	67.27	16.48		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	5.07	68.07	17.23	0.46	130.0	± 9.6 %
		Y	4.72	67.70	16.95		130.0	
10582-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z X	4.65 4.90	68.04 67.13	17.12 16.49	0.46	130.0 130.0	± 9.6 %
AAA	OFDM, 54 Mbps, 90pc duty cycle)	$\perp$						
		Y	4.51	66.68	16.07		130.0	
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	Z X	4.43 4.95	67.00 67.19	16.24 16.89	0.46	130.0 130.0	± 9.6 %
7777	Mops, sope duty cycle)	Y	4.69	67.03	16.64		130.0	
··		Z	4.63	67.35	16.80		130.0	
10584- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.98	67.35	16.96	0.46	130.0	± 9.6 %
	3,000	TY	4.72	67.20	16.72		130.0	
		Z	4.66	67.55	16.88		130.0	
10585- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	5.24	67.69	17.13	0.46	130.0	± 9.6 %
		Y	4.90	67.46	16.87		130.0	
		Z	4.82	67.76	17.01		130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	Х	5.14	67.89	17.23	0.46	130.0	± 9.6 %
		Υ	4.81	67.63	16.98		130.0	
		Z	4.73	67.92	17.12		130.0	
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.94	67.39	16.68	0.46	130.0	± 9.6 %
		Y	4.58	66.91	16.29		130.0	
		Z	4.50	67.21	16.45		130.0	
10588- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.98	67.29	16.65	0.46	130.0	± 9.6 %
		Y	4.62	66.97	16.32		130.0	
10589-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48	Z	4.54 5.07	67.27 68.07	16.48 17.23	0.46	130.0 130.0	± 9.6 %
AAA	Mbps, 90pc duty cycle)			1.				
		Υ	4.72	67.70	16.95		130.0	
		Z	4.65	68.04	17.12		130.0	
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	Х	4.90	67.13	16.49	0.46	130.0	± 9.6 %
		Y	4.51	66.68	16.07		130.0	
		Z	4.43	67.00	16.24		130.0	1

10591- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	5.10	67.21	16.96	0.46	130.0	± 9.6 %
		Y	4.84	67.07	16.74		130.0	
		Z	4.77	67.39	16.89		130.0	
10592- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	Х	5.29	67.56	17.07	0.46	130.0	± 9.6 %
		Y	4.98	67.40	16.87		130.0	
		Z	4.90	67.69	17.01		130.0	
10593- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	5.23	67.57	17.01	0.46	130.0	± 9.6 %
		Y	4.90	67.30	16.75		130.0	
		Z	4.82	67.59	16.88		130.0	
10594- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	X	5.28	67.68	17.13	0.46	130.0	± 9.6 %
		Υ	4.96	67.47	16.91		130.0	
		Z	4.88	67.75	17.04		130.0	
10595- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	5.27	67.71	17.06	0.46	130.0	± 9.6 %
		Y	4.93	67.44	16.81		130.0	
10=c-		Z	4.85	67.75	16.96		130.0	
10596- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	5.21	67.70	17.06	0.46	130.0	± 9.6 %
		Y	4.86	67.44	16.81		130.0	
1050-		Z	4.78	67.74	16.97		130.0	
10597- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	5.16	67.68	17.00	0.46	130.0	± 9.6 %
		Y	4.81	67.32	16.68		130.0	
		Z	4.73	67.61	16.83		130.0	
10598- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	Х	5.15	67.96	17.27	0.46	130.0	± 9.6 %
		Y	4.80	67.55	16.95		130.0	
		Z	4.72	67.82	17.08		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	Х	5.77	67.84	17.13	0.46	130.0	± 9.6 %
		Y	5.52	67.58	16.96		130.0	
		Z	5.45	67.81	17.10		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	6.05	68.67	17.52	0.46	130.0	± 9.6 %
		Y	5.68	68.13	17.21		130.0	
		Z	5.58	68.26	17.30		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.85	68.16	17.28	0.46	130.0	± 9.6 %
		Y	5.55	67.80	17.06	•	130.0	
		Z	5.46	67.98	17.17		130.0	
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.99	68.30	17.27	0.46	130.0	± 9.6 %
		Y	5.68	67.95	17.06		130.0	
10000		Z	5.60	68.17	17.19		130.0	
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	6.09	68.64	17.55	0.46	130.0	± 9.6 %
		_ Y	5.74	68.19	17.31		130.0	
1000:	1	Z	5.66	68.42	17.44		130.0	
10604- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	Х	5.79	67.86	17.16	0.46	130.0	± 9.6 %
	<u> </u>	Υ	5.59	67.76	17.08		130.0	
1005		Z	5.54	68.06	17.25		130.0	
10605- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.90	68.15	17.31	0.46	130.0	± 9.6 %
		Y	5.67	68.01	17.21		130.0	
40000		Z	5.56	68.12	17.28		130.0	
10606- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.65	67.59	16.91	0.46	130.0	±9.6%
	1	14	E 0=	0 70 4 0	40.0=		T	
<del></del>		Y	5.37 5.33	67.19	16.65		130.0	

10607-	IEEE 802.11ac WiFi (20MHz, MCS0,	X	4.92	66.49	16.57	0.46	130.0	± 9.6 %
AAA	90pc duty cycle)					0.10		1 3.0 %
		Y	4.68	66.39	16.37		130.0	
10608-	IEEE 900 44 pp 14004	Z	4.62	66.76	16.54		130.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	5.16	66.93	16.72	0.46	130.0	± 9.6 %
<del></del>		Υ	4.85	66.77	16.53		130.0	
10000	IEEE 000 44 MEL (00) W. C. C.	Z	4.77	67.10	16.69		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	×	5.06	66.87	16.62	0.46	130.0	± 9.6 %
		Y	4.74	66.62	16.36		130.0	
10610-	1555 000 44 - 1455 (001 H + 1450	Z	4.67	66.96	16.53		130.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	Х	5.11	67.01	16.76	0.46	130.0	± 9.6 %
		Y	4.79	66.78	16.53		130.0	
40044	IEEE COO 44 NUEL COO 11	Z	4.72	67.11	16.69	L	130.0	
10611- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	Х	5.05	66.92	16.66	0.46	130.0	± 9.6 %
		Υ	4.71	66.59	16.38		130.0	
40045		Z	4.64	66.93	16.55		130.0	
10612- AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	5.07	67.04	16.68	0.46	130.0	± 9.6 %
		Y	4.72	66.76	16.43		130.0	
		Z	4.64	67.09	16.61		130.0	-
10613- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	5.09	66.98	16.60	0.46	130.0	± 9.6 %
		Y	4.71	66.61	16.29		130.0	
		Z	4.63	66.91	16.45		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	5.02	67.21	16.84	0.46	130.0	± 9.6 %
		Y	4.67	66.81	16.53		130.0	
		Z	4.59	67.11	16.69		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	5.05	66.70	16.43	0.46	130.0	± 9.6 %
		Y	4.71	66.43	16.16		130.0	
		Z	4.64	66.79	16.34		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.58	67.10	16.74	0.46	130.0	±9.6 %
		Y	5.33	66.79	16.55		130.0	
		Z	5.25	67.00	16.67		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.66	67.25	16.77	0.46	130.0	± 9.6 %
		Y	5.41	67.04	16.65		130.0	_
		Z	5.31	67.19	16.74		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.54	67.29	16.82	0.46	130.0	± 9.6 %
		Y	5.29	67.03	16.66	,	130.0	
		Z	5.22	67.24	16.78		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.56	67.09	16.66	0.46	130.0	± 9.6 %
		Y	5.30	66.81	16.48		130.0	
		Z	5.23	67.05	16.63		130.0	
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.71	67.30	16.81	0.46	130.0	± 9.6 %
		Y	5.38	66.84	16.54		130.0	-
		Z	5.30	67.04	16.67		130.0	
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	Х	5.66	67.28	16.90	0.46	130.0	± 9.6 %
		Y	5.39	66.98	16.73		130.0	
		Z	5.30	67.12	16.82		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.65	67.37	16.94	0.46	130.0	± 9.6 %
	1				1.			
		Y	5.40	67.13	16.80		130.0	

10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.58	67.14	16.73	0.46	130.0	± 9.6 %
		Y	5.28	66.65	16.43		130.0	
		Z	5.18	66.78	16.52		130.0	
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.72	67.10	16.77	0.46	130.0	± 9.6 %
		Y	5.47	66.85	16.60		130.0	
		Z	5.38	67.03	16.70		130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	6.05	67.87	17.19	0.46	130.0	± 9.6 %
		Y	5.77	67.66	17.06		130.0	
		Z	5.49	67.24	16.87		130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.80	67.08	16.64	0.46	130.0	± 9.6 %
		Y	5.63	66.82	16.50		130.0	
		Z	5.57	66.99	16.60		130.0	
10627- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	6.05	67.56	16.82	0.46	130.0	± 9.6 %
		Y	5.90	67.51	16.81		130.0	
		Z	5.83	67.67	16.91		130.0	
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	Х	5.89	67.33	16.66	0.46	130.0	± 9.6 %
		Υ	5.66	66.90	16.43		130.0	
		Z	5.58	67.01	16.51		130.0	
10629- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	6.01	67.46	16.71	0.46	130.0	± 9.6 %
		Y	5.74	67.00	16.48		130.0	
		Z	5.68	67.19	16.60		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.66	69.52	17.74	0.46	130.0	± 9.6 %
		Y	6.23	68.64	17.29		130.0	
		Z	5.99	68.32	17.17		130.0	
10631- AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	6.51	69.16	17.72	0.46	130.0	± 9.6 %
		Y	6.05	68.21	17.27		130.0	
		Z	5.91	68.16	17.27		130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	6.07	67.76	17.04	0.46	130.0	± 9.6 %
		Y	5.87	67.57	16.97		130.0	
		Z	5.81	67.79	17.10		130.0	
10633- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	6.04	67.71	16.86	0.46	130.0	± 9.6 %
		_ Y	5.71	67.04	16.54		130.0	
		Z	5.62	67.14	16.61		130.0	
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	6.01	67.64	16.89	0.46	130.0	± 9.6 %
		Y	5.69	67.06	16.60		130.0	
		Z	5.63	67.23	16.71		130.0	-
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	Х	5.88	66.99	16.33	0.46	130.0	± 9.6 %
		Y	5.57	66.39	16.00		130.0	
		Z	5.49	66.55	16.11		130.0	
10636- AAB	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	Х	6.20	67.47	16.73	0.46	130.0	± 9.6 %
		Y	6.06	67.19	16.58		130.0	
10637-	IEEE 802.11ac WiFi (160MHz, MCS1,	Z	6.01 6.43	67.33 68.00	16.67 16.96	0.46	130.0 130.0	± 9.6 %
AAB	90pc duty cycle)	+	0.00	07.00	10 ==		1	
		Y	6.23	67.63	16.79		130.0	
10638-	1555 802 1100 W/St /460 W/St 44000	Z	6.14	67.69	16.84		130.0	· ····································
AAB	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.38	67.82	16.85	0.46	130.0	± 9.6 %
		Y	6.23	67.59	16.75		130.0	
		Z	6.16	67.71	16.83		130.0	

10639- AAB	IEEE 802.11ac WIFi (160MHz, MCS3, 90pc duty cycle)	X	6.40	67.91	16.95	0.46	130.0	± 9.6 %
		Y	6.18	67.47	16.73	-	130.0	
		Z	6.11	67.58	16.80		130.0	
10640- AAB	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	Х	6.45	68.06	16.97	0.46	130.0	± 9.6 %
		Υ	6.19	67.49	16.68		130.0	
		Z	6.09	67.54	16.73		130.0	
10641- AAB	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	Х	6.42	67.72	16.82	0.46	130.0	± 9.6 %
		Υ	6.26	67.48	16.70		130.0	
		Z	6.18	67.60	16.78		130.0	·
10642- AAB	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	Х	6.51	68.09	17.16	0.46	130.0	± 9.6 %
		Y	6.27	67.64	16.94		130.0	
		Z	6.19	67.74	17.01		130.0	
10643- AAB	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	Х	6.33	67.78	16.92	0.46	130.0	± 9.6 %
·		Υ	6.13	67.39	16.71		130.0	
		Z	6.05	67.49	16.79	- "	130.0	
10644- AAB	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.62	68.66	17.38	0.46	130.0	± 9.6 %
		Y	6.24	67.74	16.91		130.0	
		Z	6.11	67.69	16.91		130.0	
10645- AAB	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.82	68.76	17.37	0.46	130.0	± 9.6 %
		Y	6.42	67.94	16.97		130.0	
		Z	6.29	67.89	16.97		130.0	
10646- AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	22.37	99.45	32.18	9.30	60.0	± 9.6 %
		Υ	34.93	118.52	39.50		60.0	
<u></u>		Z	65.31	137.01	45.15		60.0	
10647- AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	23.87	101.54	32.95	9.30	60.0	± 9.6 %
		Υ	35.03	119.53	39.96		60.0	
		Z	61.92	136.93	45.35		60.0	
10648- AAA	CDMA2000 (1x Advanced)	Х	1.11	70.04	15.37	0.00	150.0	± 9.6 %
		Υ	0.68	63.85	10.64		150.0	
		Z	0.72	65.39	11.21		150.0	
10652- AAB	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	5.43	70.91	18.53	2.23	80.0	± 9.6 %
·		Υ	4.44	69.41	17.59		80.0	
10055		Z	4.46	70.35	17.94		80.0	
10653- AAB	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	5.75	69.79	18.37	2.23	80.0	± 9.6 %
		Υ	4.85	68.29	17.59		80.0	
		Z	4.80	68.81	17.83		80.0	
10654- AAB	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	Х	5.63	69.47	18.36	2.23	80.0	± 9.6 %
		Y	4.81	67.88	17.59		80.0	
		Z	4.76	68.31	17.81		80.0	
10655- AAB	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	Х	5.69	69.55	18.41	2.23	80.0	± 9.6 %
		Υ	4.87	67.81	17.62		80.0	
		Z	4.82	68.18	17.82		80.0	

^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





Schweizerischer Kallbrierdienst Service suisse d'étalonnage 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

Accreditation No.: SCS 0108

Client

**PC Test** 

Certificate No: EX3-7406_Apr17

S

C

S

## CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7406

Calibration procedure(s)

QA CAL-01.v9, QA CAL-12.v9, QA CAL-23.v5, QA CAL-25.v6

Calibration procedure for dosimetric E-field probes

3NN 5-3-2017

Calibration date:

April 18, 2017

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Арг-17 (No. 217-02521/02522)	Apr-18
Power sensor NRP-Z91	SN: 103244	04-Apr-17 (No. 217-02521)	Apr-18
Power sensor NRP-Z91	SN: 103245	04-Apr-17 (No. 217-02525)	Apr-18
Reference 20 dB Attenuator	SN: S5277 (20x)	07-Apr-17 (No. 217-02528)	Apr-18
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-16)	In house check: Oct-17

Calibrated by:

Name

Function

Laboratory Technician

Signature

Approved by:

Certificate No: EX3-7406_Apr17

Katja Pokovic

Michael Weber

Technical Manager

Issued: April 18, 2017

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossarv:

**TSL** NORMx,y,z

tissue simulatina liquid sensitivity in free space

ConvF DCP

sensitivity in TSL / NORMx,v,z diode compression point

CF A, B, C, D crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

Polarization o

φ rotation around probe axis

Polarization 9

9 rotation around an axis that is in the plane normal to probe axis (at measurement center),

i.e., 9 = 0 is normal to probe axis

Connector Angle

information used in 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
  IEC 62209-1, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close
- proximity to the ear (frequency range of 300 MHz to 3 GHz)", February 2005
- IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)". March 2010
- d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

## Methods Applied and Interpretation of Parameters:

- *NORMx.v.z*: Assessed for E-field polarization  $\vartheta = 0$  (f  $\leq 900$  MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the 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
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

# Probe EX3DV4

SN:7406

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

April 18, 2017

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7406

#### **Basic Calibration Parameters**

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

#### **Modulation Calibration Parameters**

UID	Communication System Name		Α	В	С	D	VR	Unc
			dB	dB√μV ˈ		dB	mV	(k=2)
0	CW	Х	0.0	0.0	1.0	0.00	138.9	±2.5 %
		Y	0.0	0.0	1.0		129.6	
		Z	0.0	0.0	1.0		128.2	

Note: For details on UID parameters see Appendix.

#### **Sensor Model Parameters**

Certificate No: EX3-7406_Apr17

	C1	C2	α	T1	T2	Т3	T4	T5	Т6
	fF	fF	V-1	ms.V⁻²	ms.V⁻¹	ms	V-2	V-1	
Х	48.83	366.9	<b>3</b> 6.13	15.06	1.101	4.968	0.251	0.437	1.003
Υ	19.57	145.7	35.6	3.888	0.704	4.934	0	0.021	1.004
Z	45.42	343.9	36.58	10.69	0.846	4.98	0	0.36	1.004

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

⁸ Numerical linearization parameter: uncertainty not required.

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

April 18, 2017

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7406

### Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^c	Relative Permittivity ^F	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
600	42.7	0.88	10.42	10.42	10.42	0.10	1.20	± 13.3 %
750	41.9	0.89	10.26	10.26	10.26	0.52	0.80	± 12.0 %
835	41.5	0.90	9.97	9.97	9.97	0.53	0.81	± 12.0 %
1750	40.1	1.37	8.88	8.88	8.88	0.42	0.80	± 12.0 %
1900	40.0	1.40	8.40	8.40	8.40	0.26	0.87	± 12.0 %
2300	39.5	1.67	8.04	8.04	8.04	0.25	0.80	± 12.0 %
2450	39.2	1.80	7.68	7.68	7.68	0.38	0.80	± 12.0 %
2600	39.0	1.96	7.44	7.44	7.44	0.40	0.83	± 12.0 %

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

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 CopyE proceedings for indicated target tissue parameters.

the ConvF uncertainty for indicated target tissue parameters.

Galpha/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.

EX3DV4-SN:7406

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7406

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

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

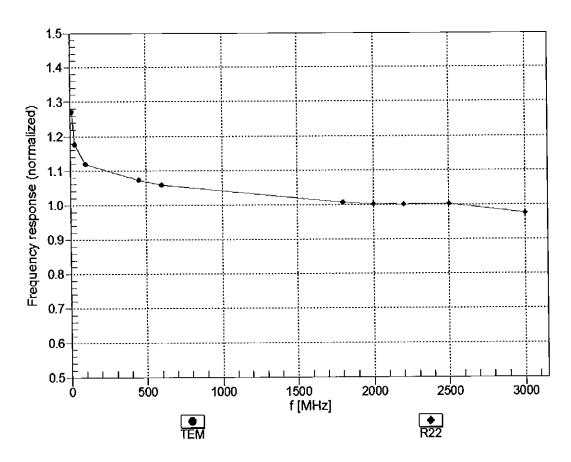
 $^{^{\}rm c}$  Frequency validity above 300 MHz of  $\pm$  100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to  $\pm$  50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency 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. Above 5 GHz frequency validity can be extended to  $\pm$  110 MHz.

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

the ConvF uncertainty for indicated target tissue parameters.

Galpha/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.

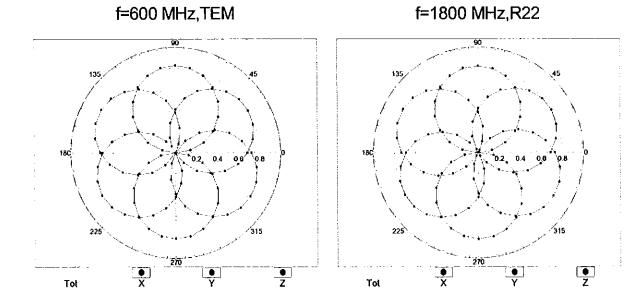
# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)

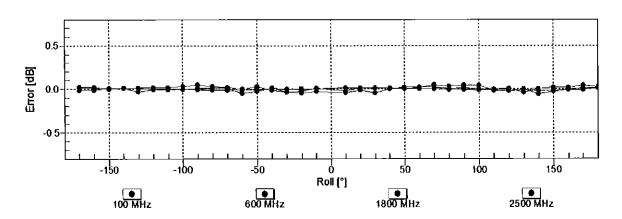


Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

April 18, 2017 EX3DV4-SN:7406

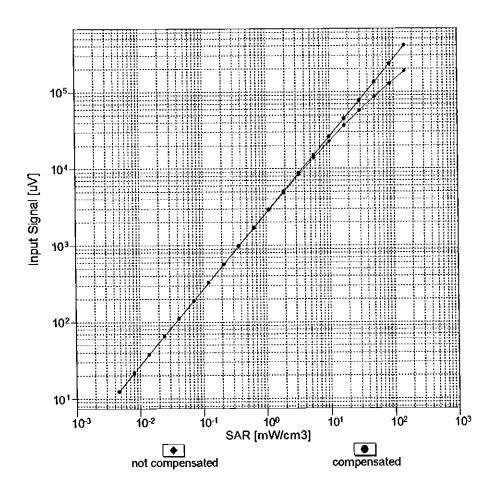
## Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

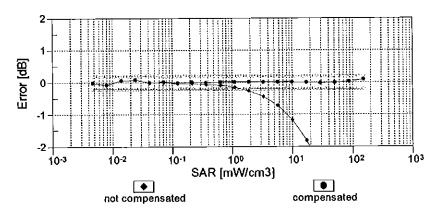




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

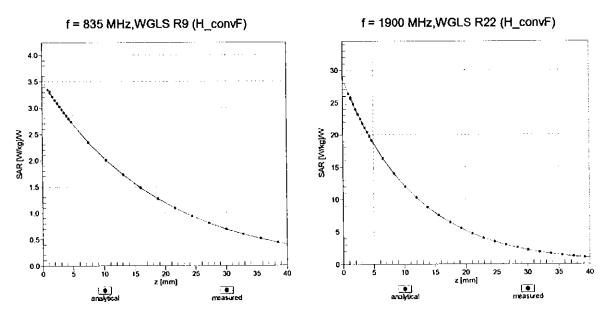
## Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



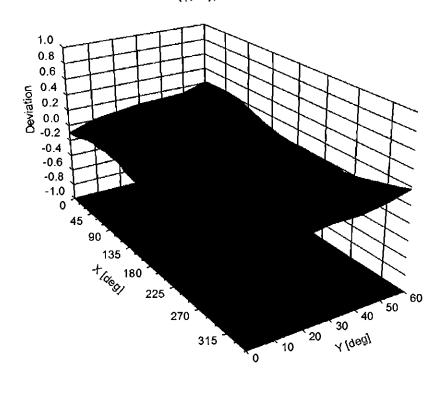


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

## **Conversion Factor Assessment**



Deviation from Isotropy in Liquid Error (φ, θ), f = 900 MHz



April 18, 2017

## DASY/EASY - Parameters of Probe: EX3DV4 - SN:7406

### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	0
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

EX3DV4- SN:7406 April 18, 2017

**Appendix: Modulation Calibration Parameters** 

ÜID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max Unc ^E (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	138.9	± 2.5 %
		Υ	0.00	0.00	1.00		129.6	
10010	0.45.77 11.11.10.10.10.10.10.10.10.10.10.10.10.1	Z	0.00	0.00	1.00	40.00	128.2	. 0.0 %
10010- CAA	SAR Validation (Square, 100ms, 10ms)	Х	2.73	66.22	10.89	10.00	20.0	± 9.6 %
<u> </u>		Υ	2.50	65.91	10.39		20.0	
		Z	2.53	65.90	10.54		20.0	
10011- CAB	UMTS-FDD (WCDMA)	Х	1.16	69.53	16.71	0.00	150.0	± 9.6 %
		Υ	1.55	76.79	19.47		150.0	
40040	IEEE 000 14h MIE: 0 1 OH- (D000 1	Z	1.09	68.24	15.96	0.44	150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.21	64.38	15.70	0.41	150.0	± 9.6 %
		Y	1.20 1.18	65.37 63.82	16.13 15.33		150.0 150.0	
10013-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	X	4.87	66.56	16.98	1.46	150.0	± 9.6 %
CAB	OFDM, 6 Mbps)	Y	4.34	67.27	16.96		150.0	1 3.0 70
		Z	4.83	66.50	16.95		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	X	9.99	82.36	18.50	9.39	50.0	± 9.6 %
	-	Υ	13.63	85.86	18.88		50.0	
		Z	18.22	90.00	20.60		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	Х	8.49	80.16	17.78	9.57	50.0	± 9.6 %
		Y	7.32	78.16	16.31	<u> </u>	50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	12.47 18.19	85.19 89.55	19.17 19.31	6.56	50.0 60.0	± 9.6 %
DAO		Y	100.00	107.67	23.01		60.0	
		Z	100.00	108.36	23.76	_	60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	Х	5.54	75.78	27.74	12.57	50.0	± 9.6 %
		Y	8.76	92.32	36.08		50.0	
10000	FROE FRE (TOMA ORON THE A)	Z	4.44	70.37	25.26	0.50	50.0	1069/
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	9.90	90.96	31.21	9.56	60.0	± 9.6 %
	<del></del>	Y	5.70 7.85	81.99 86.95	28.84 30.11	ļ. —	60.0 60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	106.69	22.59	4.80	80.0	± 9.6 %
DAO	<u> </u>	Y	100.00	110.45	23.34	<del>                                     </del>	80.0	
		Z	100.00	108.23	22.93		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	Х	100.00	107.01	22.11	3.55	100.0	± 9.6 %
		Y	100.00	117,41	25.54		100.0	
1000	FROE FRO (TRIAL SPOY TV C 4 5)	Z	100.00	109.42	22.79	7.00	100.0	1000
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	6.41 3.86	81.80 73.74	26.70 24.21	7.80	80.0	± 9.6 %
	-	Y Z	5.17	78.18	25.56		80.0	<del> </del>
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	13.75	86.21	17.68	5.30	70.0	± 9.6 %
		Υ	8.41	82.76	15.88		70.0	
		Z	100.00	106.60	22.49		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	X	100.00	106.42	20.68	1.88	100.0	± 9.6 %
		Y	100.00	120.98	25.51		100.0	<u> </u>
<u> </u>		Z	100.00	108.89	21.35		100.0	L

10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	113.18	22.62	1.17	100.0	± 9.6 %
		Υ	100.00	160.14	39.75	<del> </del> -	100.0	<del>                                     </del>
		Z	100.00	117.70	24.05		100.0	<del>                                     </del>
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	6.02	81.27	20.17	5.30	70.0	± 9.6 %
		Υ	2.18	67.67	12.00		70.0	<u> </u>
		Z	5.24	80.63	20.08		70.0	i
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Х	2.82	75.11	17.10	1.88	100.0	±9.6 %
		Υ	0.75	61.82	7.32		100.0	
40005	IFFE OOG AF A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO A PLANT TO	Z	2.29	73.13	16.28		100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	2.17	73.18	16.32	1.17	100.0	± 9.6 %
	<del>-</del>	Y	0.59	61.24	6.75		100.0	
40000	JEEE 000 45 4 PL 1 40 10 PROVIDENCE	Z	1.79	71.19	15.39		100.0	
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Х	7.12	83.90	21.15	5.30	70.0	± 9.6 %
	<del></del>	Υ	2.26	68.25	12.32		70.0	
10027	IEEE 000 45 4 51 4 41 52 =====	Z	6.24	83.43	21.13		70.0	
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	2.66	74.41	16.79	1.88	100.0	± 9.6 %
		Y	0.71	61.41	7.10		100.0	
40000	THE OO IS A DIVINION OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNER OF THE OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNER OWNE	Z	2.15	72.41	15.96		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	X	2.20	73.62	16.61	1.17	100.0	± 9.6 %
		Υ	0.60	61.36	6.93		100.0	
40000	OD144000044 DT7	Z	1.80	71.51	15.64		100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	X	2.76	78.09	18.48	0.00	150.0	± 9.6 %
		Y	0.37	60.00	5.64		150.0	
		Ζ	2.22	74.97	16.93		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	Х	7.43	78.80	16.12	7.78	50.0	± 9.6 %
		Υ	8.26	80.71	16.15		50.0	
		Ζ	12.01	84.59	17.75		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	Х	0.00	100.49	0.10	0.00	150.0	± 9.6 %
		Υ	0.04	60.00	50.13		150.0	
		Z	0.00	96.59	0.05		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	Х	6.27	73.35	16.78	13.80	25.0	± 9.6 %
		Υ	5.47	69.78	14.42		25.0	
		Z	7.09	74.59	16.89	_	25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	Х	6.62	76.07	16.59	10.79	40.0	± 9.6 %
	<del> </del>	Υ	5.50	73.13	14.63		40.0	
40050	LINITO TOP (TT COTO)	Z	7.47	77.74	16.92		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	Х	8.73	81.97	20.70	9.03	50.0	± 9.6 %
		~	5.30	74.02	15.71		50.0	
40050	FDOE FDD /TTTT	Z	9.70	84.35	21.49		50.0	
10058- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	4.93	77.02	24.10	6.55	100.0	± 9.6 %
	<del>                                     </del>	Υ	3.18	70.36	21.96		100.0	
10050	HEEF DOO AND SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON TO SHIPTON T	Ζ	4.10	73.99	23.08		100.0	
10059- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	Х	1.26	65.49	16.19	0.61	110.0	± 9.6 %
		Υ	1.20	65.95	16.36		110.0	
10000		Z	1.20	64.67	15.74		110.0	
10060-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5	Х	13.21	104.87	27.26	1.30	110.0	± 9.6 %
CAB	Mbps)							
		Y	4.90	96.93	26.57		110.0	

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	2.92	78.86	20.97	2.04	110.0	± 9.6 %
		Υ	1.70	73.25	19.05		110.0	
		Z	2.19	75.27	19.88		110.0	
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.70	66.68	16.55	0.49	100.0	± 9.6 %
		Υ	4.18	67.42	16.56		100.0	
		z	4.65	66.61	16.51		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.70	66.73	16.62	0.72	100.0	± 9.6 %
		Y	4.18	67.49	16.63		100.0	
		Z	4.66	66.66	16.57		100.0	
10064- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	Х	4.99	66.98	16.82	0.86	100.0	± 9.6 %
		Y	4.36	67.60	16.75		100.0	
		Z	4.94	66.90	16.78		100.0	
10065- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	×	4.85	66.84	16.87	1.21	100.0	± 9.6 %
	<u> </u>	Υ	4.23	67.25	16.71		100.0	
		Z	4.80	66.75	16.83		100.0	
10066- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.86	66.83	16.99	1.46	100.0	± 9.6 %
		Υ	4.21	67.08	16.71		100.0	
		Z	4.80	66.72	16.95		100.0	
10067- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.14	66.93	17.36	2.04	100.0	± 9.6 %
		Ϋ́	4.40	67.10	16.99		100.0	
		Z	5.08	66.86	17.34		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.19	66.98	17.55	2.55	100.0	± 9.6 %
		ΙY	4.52	67.37	17.35		100.0	
		Z	5.12	66.84	17.50		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	Х	5.27	66.95	17.72	2.67	100.0	±9.6 %
		Υ	4.52	67.17	17.38		100.0	
		Z	5.20	66.85	17.69		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	Х	4.96	66.60	17.22	1.99	100.0	± 9.6 %
		T	4.44	67.29	17.20		100.0	
		Z	4.91	66.53	17.19		100.0	
10072- CAB	IEEE 802,11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	Х	4.94	66.90	17.40	2.30	100.0	± 9.6 %
		Υ	4.35	67.27	17.25		100.0	
		Z	4.87	66.79	17.36		100.0	
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	Х	4.99	67.03	17.67	2.83	100.0	± 9.6 %
		Υ	4.41	67.49	17.58		100.0	
		Z	4.92	66.90	17.63		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.97	66.91	17.78	3.30	100.0	± 9.6 %
		Υ	4.49	67.70	17.84		100.0	
		Z	4.90	66.77	17.74	<b>.</b>	100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.02	67.05	18.08	3.82	90.0	± 9.6 %
		Υ	4.55	67.83	18.12		90.0	l
		Z	4.94	66.85	18.01	<del>  </del>	90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	Х	5.03	66.84	18.17	4.15	90.0	± 9.6 %
		<u> Y</u>	4.61	67.72	18.28		90.0	<u> </u>
		Z	4.95	66.65	18.12	<u> </u>	90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	5.06	66.90	18.26	4.30	90.0	± 9.6 %
		Υ	4.65	67.85	18.42		90.0	
		Z	4.98	66.71	18.21		90.0	

10081- CAB	CDMA2000 (1xRTT, RC3)	X	1.05	69.26	14.55	0.00	150.0	± 9.6 %
		İΥ	0.28	60.00	5.33		150.0	
_		Z	0.92	67.44	13.36		150.0	<u> </u>
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	Х	0.71	58.22	3.69	4.77	80.0	± 9.6 %
		Υ	0.41	56.78	1.87		80.0	
		Z	0.54	57.53	2.88		80.0	
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	Х	17.35	89.03	19.19	6.56	60.0	±9.6 %
		Y	100.00	107.61	23.00		60.0	
		Z	100.00	108.37	23.77		60.0	
10097- CAB	UMTS-FDD (HSDPA)	X	1.96	68.94	16.57	0.00	150.0	± 9.6 %
		Υ	2.57	76.20	18.23		150.0	
40000	LINES EDD (VOLUDA O LA LO)	Z	1.90	68.41	16.17		150.0	
10098- CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1,92	68.91	16.54	0.00	150.0	± 9.6 %
·	<del></del>	Y	2.54	76.26	18.30		150.0	
40000	FDOE FDD /TDMA SBOW THE A	Z	1.86	68.36	16.14		150.0	
10099- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	9.94	91.01	31.21	9.56	60.0	± 9.6 %
		Ý	5.73	82.09	28.86		60.0	
10100-	LTE CDD (CC CDMA 4000) DD CC	Z	7.90	87.03	30.13	0	60.0	
CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.32	71.40	17.37	0.00	150.0	± 9.6 %
		Y	2.95	71.83	18.07		150.0	
40404	LTE EDD (OO EDLA) (OO) DD OO	Z	3.20	70.72	17.06		150.0	
10101- CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	Х	3.33	67.99	16.32	0.00	150.0	± 9.6 %
		Υ	3.00	68.42	16.63		<u>15</u> 0.0	
		Z	3.27	67.68	16.15		150.0	
10102- CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	Х	3.43	67.94	16.40	0.00	150.0	± 9.6 %
		Υ	3.10	68.46	16.71		150.0	
		Z	3.37	67.66	16.24	-	150.0	
10103- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	6.02	73.90	19.30	3.98	65.0	± 9.6 %
		Υ	4.68	73.18	19.41		65.0	
		Z	5.62	73.49	19.33		65.0	
10104- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	Х	6.42	73.34	19.91	3.98	65.0	± 9.6 %
		Υ	4.72	70.79	18.81		65.0	
		Z	5.88	72.35	19.63		65.0	
10105- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	6.34	73.01	20.09	3.98	65.0	± 9.6 %
		Y	4.65	70.25	18.83		65.0	
10165		Z	<u>5</u> .51	70.92	19.28		65.0	
10108- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.90	70.63	17.22	0.00	150.0	± 9.6 %
		Υ	2.58	72.09	18.15		150.0	
1016		Z	2.79	69.99	16.90	ļ	150.0	
10109- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	Х	2.99	67.94	16.29	0.00	150.0	± 9.6 %
		Y	2.69	69.27	16.60		150.0	
10110-	LTE-FDD (SC-FDMA, 100% RB, 5 MHz,	Z X	2.93 2.37	67.61 69.82	16.08 16.91	0.00	150.0 150.0	± 9.6 %
CAD	QPSK)	<b> </b>	0.47	70.00	47.00		,	ļ
	<del>                                     </del>	Y	2.17	72.66	17.66		150.0	
10111	LTC COD (CO CDMA 4000) DD C	Z	2.27	69.17	16.53		150.0	
10111- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	Х	2.75	69.14	16.80	0.00	150.0	± 9.6 %
		Υ	2.72	72.65	17.00		<u> 150.0</u>	
		Z	2.68	68.77	16.52		150.0	

10112- CAD	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	3.11	67.90	16.33	0.00	150.0	± 9.6 %
		Υ	2.81	69.41	16.67		150.0	<u>-</u> -
		z	3.05	67.61	16.14		150.0	
10113- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	Х	2.91	69.24	16.90	0.00	150.0	± 9.6 %
		Y	2.80	72.45	16.91		150.0	
	·	Z	2.83	68.91	16.64		150.0	
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.18	67.36	16.63	0.00	150.0	± 9.6 %
		Y	4.69	67.54	16.80		150.0	
		Z	5.15	67.30	16.59		150.0	
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.48	67.50	16.70	0.00	150.0	± 9.6 %
		Υ	4.94	67.76	16.85		150.0	
		Z	5.42	67.37	16.64		150.0	
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	Х	5.28	67.57	16.65	0.00	150.0	± 9.6 %
		Υ	4.76	67.79	16.84		150.0	
		Z	5.24	67.47	16.61		150.0	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	X	5.14	67.22	16.57	0.00	150.0	± 9.6 %
		Y	4.68	67.44	16.77		150.0	
		Z	5.11	67.13	16.53		150.0	
10118- CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	Х	5.56	67.71	16.81	0.00	150.0	± 9.6 %
		Y	4.92	67.65	16.80		150.0	
		Ζ	5.51	67.59	16.75		150.0	
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	Х	5.26	67.51	16.64	0.00	150.0	± 9.6 %
		Υ	4.75	67.71	16.81		150.0	
		Ž	5.23	67.43	16.60		150.0	
10140- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.47	67.94	16.32	0.00	150.0	± 9.6 %
		Y	3.08	68.53	16.60		150.0	
		Ż	3.41	67.65	16.15		150.0	1
10141- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.59	68.02	16.48	0.00	150.0	± 9.6 %
		Y	3.23	68.87	16.85		150.0	
		Z	3.53	67.77	16.33		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.17	70.14	16.75	0.00	150.0	± 9.6 %
		Y	1.93	72.39	15.85		150.0	
		Z	2.06	69.38	16.26		150.0	
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	Х	2.69	70.39	16.77	0.00	150.0	± 9.6 %
		Υ	1.77	67.88	12.65		150.0	
		Z	2.58	69.83	16.31		150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	Х	2.37	67.50	14.86	0.00	150.0	± 9.6 %
		Y	1.24	63.02	9.52		150.0	
		Z	2.27	66.99	14.42		150.0	
10145- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	Х	1.43	67.32	13.24	0.00	150.0	± 9.6 %
		Υ	0.41	60.00	4.04		150.0	
		Z	1.25	65.61	11.99		150.0	
10146- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	1.83	65.71	11.47	0.00	150.0	± 9.6 %
		Υ	19.01	355.37	40.53		150.0	
		Z	1.52	64.01	10.27		150.0	
10147- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.14	67.65	12.55	0.00	150.0	± 9.6 %
	<del></del>	1		:			T 450 0	
		Y	123.11	63.95	2.67		150.0	

10149- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.00	68.01	16.34	0.00	150.0	± 9.6 %
		Y	2.71	69.38	16.67		150.0	
		Z	2.94	67.68	16.14		150.0	1
10150- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	3.12	67.96	16.38	0.00	150.0	± 9.6 %
		Y	2.83	69,51	16.73		150.0	
		Z	3.06	67.68	16.19		150.0	
10151- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	Х	6.55	76.73	20.51	3.98	65.0	± 9.6 %
		Υ	4.65	75.11	19.92		65.0	
10150	· · · · · · · · · · · · · · · · · · ·	Z	5.91	75.87	20.37		65.0	
10152- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	5.92	73.14	19.51	3.98	65.0	± 9.6 %
		Y	4.14	70.22	17.64		65.0	
40450		Z	5.38	72.11	19.20		65.0	
10153- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	6.32	74.15	20.32	3.98	65.0	± 9.6 %
	<u> </u>	Υ	4.49	71.52	18.62		65.0	
40451	LTE EDD (00 PD)	Z	5.75	73.14	20.03		65.0	
10154- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.44	70.37	17.23	0.00	150.0	± 9.6 %
		Y	2.24	73.24	17.96		150.0	
40.1==		Z	2.32	69.67	16.83		150.0	
10155- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.75	69.15	16.81	0.00	150.0	± 9.6 %
		Υ	2.75	72.83	17.10	_	150.0	
40.450		Z	2.68	68.79	16.53		150.0	
10156- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.05	70.60	16.74	0.00	150.0	± 9.6 %
		Y	1.46	69.42	13.50		150.0	
	_  <u>-</u>	Z	1.92	69.63	16.11		150.0	
10157- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.25	68.47	15.12	0.00	150.0	± 9.6 %
		Υ	0.93	61.53	7.91		150.0	
<u> </u>		Z	2.13	67.76	14.53		150.0	
10158- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.91	69.31	16.96	0.00	150.0	± 9.6 %
		Υ	2.84	72.68	17.03		150.0	
		Z	2.84	68.99	16.70		150.0	
10159- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	2.39	69.07	15.47	0.00	150.0	± 9.6 %
		Υ	0.94	61.44	7.84		150.0	
40400		Z	2.25	68.30	14.85		150.0	
10160- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	×	2.87 	69.48	16.90	0.00	150.0	± 9.6 %
	<del>                                     </del>	Y	2.53	71.06	17.44		150.0	
10161-	LITE EDD /CC EDMA 500/ DD 45 LD	Z	2.80	69.08	16.66		150.0	
CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	Х	3.02	67.94	16.33	0.00	150.0	± 9.6 %
<u>_</u>	<del> </del>	Y	2.72	69.68	16.46		150.0	
10162-	LTE EDD (CC EDMA 500) DD 45 15	Z	2.96	67.65	16.13		150.0	
CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.13	68.07	16.43	0.00	150.0	± 9.6 %
	<del>                                     </del>	Y	2.84	70.03	16.63		150.0	
10166	LITE EDD (DO EDMA FOX DD 4 / )	Z	3.07	67.81	16.24		150.0	
10166- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	3.48	69.00	18.84	3.01	150.0	± 9.6 %
	<del> </del>	Y	2.37	66.02	18.17		150.0	
10167-	LITE EDD (SO EDMA FOR DD 4 444)	Z	3.30	68.39	18.62		150.0	
CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	Х	4.17	71.58	19.19	3.01	150.0	± 9.6 %
		Y	2.29	67.15	18.12		150.0	
		Z	3.79	70.56	18.83		150.0	_

10168- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	4.66	74.00	20,63	3.01	150.0	± 9.6 %
	or serving	Y	2.48	69.25	19.67	<del></del>	150.0	
		ż	4.22	72.96	20.30		150.0	
10169- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	Х	2.83	68.21	18.52	3.01	150.0	± 9.6 %
		Y	1.98	64.24	17.28		150.0	
		Z	2.57	66.84	17.97		150.0	
10170- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	Х	3.78	73.87	20.84	3.01	150.0	± 9.6 %
		Y	1.95	66.56	18.68		150.0	
40474	1.TE EDD (00 ED) (4 DD 00 M)	Z	3.16	71.49	20.02	0.04	150.0	
10171- AAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	3.08	69.63	17.94	3.01	150.0	± 9.6 %
		Y	1.72	64.21	16.34		150.0	
10172	LTE TDD (CC EDMA 4 DD 20 MILE		2.64	67.80	17.26	- 00	150.0	1000
10172- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	5.42	80.62	23.60	6.02	65.0	± 9.6 %
<del> </del>	<del>-</del>	Y	2.15	69.85	20.42		65.0	
40470	LTC TDD (OO COMA 4 DD 00 M)	Z	4.45_	78.76	23.36	0.00	65.0	1000
10173- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	8.97	86.28	23.79	6.02	65.0	± 9.6 %
		Y	2.26	72.00	19.72		65.0	
40474	LTE TOD (OO EDMA 4 DD OO M!!	Z	6.61	83.59	23.38	0.00	65.0	1000
10174- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	7.82	83.09	22.18	6.02	65.0	± 9.6 %
		Y	1.97	69.58	18.06	<u> </u>	65.0	
40477	1.TE EDD (00 ED)(1 1 DD 10 10)	Z	5.22	78.89	21.15	0.04	65.0	
10175- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.79	67.90	18.26	3.01	150.0	± 9.6 %
		Y	1.97	64.07	17.08		150.0	
		Z	2.54	66.56	17.72		150.0	
10176- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	Х	3.78	73.89	20.85	3.01	150.0	± 9.6 %
		Υ	1.95	66.57	18.69		150.0	
		Z	3.1 <u>6</u>	71.52	20.03	<u> </u>	150.0	
10177- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.82	68.06	18.36	3.01	150.0	± 9.6 %
		7	1.98	64.12	17.12		150.0	
		Z	2.56	66.70	17.81		150.0	_
10178- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	3.74	73.65	20.71	3.01	150.0	± 9.6 %
		Υ	1.95	66.53	18.65		150.0	
		Z	3.13	71.32	19.91		150.0	
10179- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	×	3.39	71.59	19.23	3.01	150.0	±9.6 %
		Y	1.82	65.39	17.45		150.0	
		Z	2.87	69.52	18.50	200	150.0	1.222
10180- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	3.08	69.55	17.88	3.01	150.0	± 9.6 %
		Y	1.72	64.21	16.33	-	150.0	
		Z	2.64	67.75	17.21	1	150.0	
10181- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.81	68.04	18.35	3.01	150.0	± 9.6 %
		ļΥ	1.97	64.11	17.12		150.0	1
10182-	LTE-FDD (SC-FDMA, 1 RB, 15 MHz,	X	2.56 3.73	66.68 73.62	17.80 20.70	3.01	150.0 150.0	±9.6 %
CAC	16-QAM)	+-	1.05	CC E4	10.64	<del> </del> -	150.0	1
	-	Y	1.95 3.13	66.51 71.29	18.64 19.90	<del> </del>	150.0 150.0	<del> </del>
10183-	LTE-FDD (SC-FDMA, 1 RB, 15 MHz,	<del> </del>	3.13	69.53	17.87	3.01	150.0	± 9.6 %
AAB	64-QAM)					3.01		- 2,0 /0
	<del> </del>	Y	1.72	64.19	16.32	<del>  -</del>	150.0	1
		Z	2.64	67.72	17.20		150.0	1

Y   1.98	10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	Х	2.82	68.08	18.37	3.01	150.0	± 9.6 %
LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-			+-	1 00	64.40	17 10	<del>                                     </del>	450.0	<del>                                     </del>
10186-   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-   X   3.75   73.70   20.74   3.01   150.0   ±9.6							ļ		
Title							3.01		± 9.6 %
Title			Y	1.96	66.56	18.67		150.0	<del> </del>
10186-   LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-   X   3.09   69.80   17.91   3.01   150.0   ±9.61									<del>                                     </del>
10187-  CAD   CPSK)   T. 23   150.0   ± 9.61							3.01		± 9.6 %
Total			Υ	1.73	64.23	16.35		150.0	
10187-   CAD   OPSK)   Y   1,199	_		Ζ						<del>                                     </del>
10188-  CAD				2.83	68.13		3.01		± 9.6 %
10188-   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz,   X   3.88   74.41   21.15   3.01   150.0   ±9.61							_	150.0	
CAD   16-QAM	40400	175 500 (0.0 50)						150.0	
AD			1		<u>L</u>		3.01	150.0	± 9.6 %
10189-   LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, AD   Y   1.74									
AAD   64-QAM)   Y   1.74   64.44   16.55   150.0	10100	LTE EDD (CO EDMA 4 ED							
10193-   IEEE 802.11n (HT Greenfield, 6.5 Mbps,   X   4.57   66.79   16.35   0.00   150.0   ± 9.63   16.99   16.35   0.00   150.0   ± 9.63   16.99   16.35   0.00   150.0   ± 9.63   16.94   16.94   150.0   150.0   ± 9.63   16.94   16.94   150.0   150.0   ± 9.63   16.94   16.94   150.0   150.0   ± 9.63   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.94   16.9							3.01		± 9.6 %
LEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	_	<del> </del>							
CAB	10102	IFFE 000 44% (UT Occasion LL O 5 MI)							
Total		BPSK)					0.00	<u> </u>	± 9.6 %
The color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the color of the		<del>                                     </del>							
CAB         16-QAM)         Y         4.22         68.00         16.68         150.0         £9.63           10195-CAB         IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)         X         4.79         67.02         16.41         150.0         ±9.63           10195-CAB         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         Y         4.23         67.92         16.65         150.0         ±9.63           10196-CAB         Y         4.23         66.86         16.37         0.00         150.0         ±9.63           10197-CAB         Y         4.11         67.92         16.54         150.0         ±9.63           10197-CAB         IEEE 802.11n (HT Mixed, 39 Mbps, 16-Y         X         4.76         67.13         16.48         0.00         150.0         ±9.63           10198-CAB         IEEE 802.11n (HT Mixed, 65 Mbps, 64-Y         X         4.76         67.13         16.48         0.00         150.0         ±9.63           10198-CAB         IEEE 802.11n (HT Mixed, 65 Mbps, 64-Y         X         4.79         67.15         16.50         0.00         150.0         ±9.63           10219-CAB         IEEE 802.11n (HT Mixed, 7.2 Mbps, 64-Y         X         4.79         67.91         16.64         150.0         150.0	10194-	IEEE 802 11p /UT Croopfold 20 Mb							
Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Tota							0.00		± 9.6 %
LEEE 802.11n (HT Greenfield, 65 Mbps,   X   4.79   67.14   16.49   0.00   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   ± 9.6 s   150.0   150.0   150.0   150.0   ± 9.6 s   150.0   150.0   150.0   150.0   150.0		<del> </del>							
CAB 64-QAM)  Y 4.23 67.92 16.65 150.0  10196- CAB BPSK)  IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)  Y 4.11 67.92 16.54 150.0  Z 4.54 66.78 16.30 150.0  10197- CAB GAM)  Y 4.23 67.92 16.54 150.0  Y 4.11 67.92 16.54 150.0  IEEE 802.11n (HT Mixed, 39 Mbps, 16- X 4.54 66.78 16.30 150.0  Y 4.23 66.00 16.69 150.0  Y 4.23 66.00 16.69 150.0  Y 4.23 66.00 16.69 150.0  IEEE 802.11n (HT Mixed, 65 Mbps, 64- X 4.79 67.15 16.50 0.00 150.0 ±9.6 9  CAB BPSK)  Y 4.22 67.91 16.64 150.0  IEEE 802.11n (HT Mixed, 7.2 Mbps, X 4.53 66.88 16.34 0.00 150.0 ±9.6 9  IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- X 4.76 67.10 16.47 0.00 150.0 ±9.6 9  IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- X 4.76 67.10 16.47 0.00 150.0 ±9.6 9  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.71 67.01 16.41 150.0  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.76 67.01 16.41 150.0  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.76 67.01 16.41 150.0  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.76 67.01 16.41 150.0  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.80 67.08 16.67 150.0 150.0 ±9.6 9  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.80 67.08 16.48 0.00 150.0 ±9.6 9  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.80 67.08 16.48 0.00 150.0 ±9.6 9  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.80 67.08 16.48 0.00 150.0 ±9.6 9  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.80 67.02 16.65 150.0 150.0 ±9.6 9  IEEE 802.11n (HT Mixed, 15 Mbps, X 5.12 67.23 16.57 0.00 150.0 ±9.6 9  IEEE 802.11n (HT Mixed, 15 Mbps, X 5.12 67.23 16.57 0.00 150.0 ±9.6 9	10105	IEEE 002 445 (UT Occupant) OS NE							_
10196-							0.00		± 9.6 %
Total   Cab		<del>                                       </del>							
CAB         BPSK)         Y         4.11         67.92         16.54         150.0           10197-CAB         IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)         X         4.76         67.13         16.48         0.00         150.0         ± 9.6 9           10198-CAB         Y         4.23         68.00         16.69         150.0         ± 9.6 9           10198-CAB         IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)         X         4.79         67.15         16.50         0.00         150.0         ± 9.6 9           10219-CAB         IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)         X         4.74         67.07         16.44         150.0         ± 9.6 9           10220-CAB         IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)         X         4.76         67.10         16.58         150.0         ± 9.6 9           10220-CAB         IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)         X         4.76         67.10         16.47         0.00         150.0         ± 9.6 9           10221-CAB         IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)         X         4.76         67.10         16.47         0.00         150.0         ± 9.6 9           10221-CAB         IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)         X         4.80         67.08	10106	IEEE 000 44 - /UTAN - LO ELA							
10197-   IEEE 802.11n (HT Mixed, 39 Mbps, 16-   X   4.76   67.13   16.48   0.00   150.0   ± 9.6 9							0.00	150.0	± 9.6 %
Total									
CAB QAM)  Y 4.23 68.00 16.69 150.0  10198- CAB QAM)  IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)  Y 4.22 67.91 16.64 150.0  Z 4.74 67.07 16.44 150.0  10219- CAB BPSK)  Y 4.08 68.06 16.58 150.0  Z 4.49 66.80 16.27 150.0  10220- CAB QAM)  Y 4.22 67.91 16.64 150.0  Z 4.74 67.07 16.44 150.0  Y 4.08 68.06 16.58 150.0  Z 4.49 66.80 16.27 150.0  10220- CAB QAM)  Y 4.22 67.96 16.67 150.0  Z 4.49 66.80 16.27 150.0  Y 4.22 67.96 16.67 150.0  10221- CAB QAM)  Y 4.22 67.96 16.67 150.0  Z 4.71 67.01 16.41 150.0  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- CAB QAM)  Y 4.25 67.92 16.65 150.0  Y 4.25 67.92 16.65 150.0  IEEE 802.11n (HT Mixed, 15 Mbps, 64- CAB QAM)  Y 4.25 67.92 16.65 150.0  IEEE 802.11n (HT Mixed, 15 Mbps, 64- CAB BPSK)  Y 4.25 67.92 16.65 150.0  IEEE 802.11n (HT Mixed, 15 Mbps, 64- CAB BPSK)  Y 4.26 67.00 16.42 150.0  IEEE 802.11n (HT Mixed, 15 Mbps, 64- CAB BPSK)  Y 4.26 67.00 16.42 150.0	10107	ICEC 000 44 - /UTAC   100 tr						150.0	
10198-   IEEE 802.11n (HT Mixed, 65 Mbps, 64-   X   4.79   67.15   16.50   0.00   150.0   ± 9.6 9		QAM)					0.00		± 9.6 %
10198-CAB			-						
CAB QAM)  Y 4.22 67.91 16.64 150.0  10219- CAB BPSK)  Y 4.08 68.06 16.58 150.0  Y 4.08 66.80 16.27 150.0  IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- X 4.76 67.10 16.47 0.00 150.0 ±9.6 9  Y 4.22 67.96 16.67 150.0  Y 4.22 67.96 16.67 150.0  Y 4.22 67.96 16.67 150.0  Y 4.22 67.96 16.41 150.0  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.80 67.08 16.48 0.00 150.0 ±9.6 9  Y 4.25 67.92 16.65 150.0  IEEE 802.11n (HT Mixed, 15 Mbps, X 5.12 67.23 16.57 0.00 150.0 ±9.6 9  Y 4.67 67.48 16.77 150.0	10108	IEEE 900 44m /LIT Missed OF Missed							
10219-   CAB   BPSK    Z   4.74   67.07   16.44   150.0   150.0   ± 9.6 %   16.34   0.00   150.0   ± 9.6 %   16.27   150.0   150.0   150.0   ± 9.6 %   16.27   150.0   16.47   0.00   150.0   ± 9.6 %   16.27   150.0   16.47   0.00   150.0   ± 9.6 %   16.27   150.0   16.47   0.00   150.0   ± 9.6 %   16.27   150.0   16.47   0.00   150.0   ± 9.6 %   16.27   150.0   16.47   0.00   150.0   ± 9.6 %   16.27   150.0   16.47   150.0   16.47   150.0   16.47   150.0   16.47   150.0   16.48   0.00   150.0   ± 9.6 %   16.48   0.00   150.0   ± 9.6 %   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48   16.48							0.00		± 9.6 %
10219-   Ree Rog. 11n (HT Mixed, 7.2 Mbps, BPSK)									
Y   4.08   68.06   16.58   150.0							0.00		± 9.6 %
10220-   IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-   X   4.76   67.10   16.47   0.00   150.0   ± 9.6 %			<del>                                     </del>	4.09	68.06	16 50		450.0	
10220- CAB  IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- X 4.76 67.10 16.47 0.00 150.0 ± 9.6 9  Y 4.22 67.96 16.67 150.0  Z 4.71 67.01 16.41 150.0  10221- CAB  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X 4.80 67.08 16.48 0.00 150.0 ± 9.6 9  Y 4.25 67.92 16.65 150.0  Z 4.75 67.00 16.42 150.0  10222- CAB  IEEE 802.11n (HT Mixed, 15 Mbps, X 5.12 67.23 16.57 0.00 150.0 ± 9.6 9  Y 4.67 67.48 16.77 150.0									
CAB QAM)  Y 4.22 67.96 16.67 150.0  10221- CAB QAM)  IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- CAB QAM)  Y 4.25 67.92 16.65 150.0  Z 4.75 67.00 16.42 150.0  10222- CAB BPSK)  Y 4.67 67.48 16.77 150.0	10220-	IEEE 802.11n (HT Mixed, 43.3 Mbns, 16-					0.00		1000
10221-   IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-   X   4.80   67.08   16.48   0.00   150.0   ± 9.6 %			<u>.</u>				0.00		± 9.6 %
10221- CAB   IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- X   4.80   67.08   16.48   0.00   150.0   ± 9.6 %			-						
Y 4.25 67.92 16.65 150.0  Z 4.75 67.00 16.42 150.0  10222- CAB BPSK)  Y 4.67 67.48 16.77 150.0							0.00		± 9.6 %
10222- CAB   BPSK)   Z   4.75   67.00   16.42   150.0   150.0   2   4.67   67.48   16.77   150.0   150.0			Y	4.25	67.92	16 65		150.0	·
10222- CAB BPSK) X 5.12 67.23 16.57 0.00 150.0 ± 9.6 % Y 4.67 67.48 16.77 150.0									
Y 4.67 67.48 16.77 150.0		IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)					0.00		± 9.6 %
			Y	4.67	67.48	16 77		150 0	
			Ż	5.09	67.14	16.52		150.0	

10223- CAB	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	X	5.42	67.42	16.68	0.00	150.0	± 9.6 %
		Υ	4.85	67.57	16.77		150.0	
		Z	5.40	67.40	16.67		150.0	<u> </u>
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	Х	5.17	67.35	16.56	0.00	150.0	± 9.6 %
		Y	4.71	67.68	16.79		150.0	
		Z	5.13	67.25	16.51		150.0	
10225- CAB	UMTS-FDD (HSPA+)	Х	2.87	66.58	15.73	0.00	150.0	± 9.6 %
		Υ	2.38	67.09	13.98		150.0	
40000	LTE TOP (OO FOLIA)	Z	2.82	66.38	15.50		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	9.50	87.34	24.24	6.02	65.0	± 9.6 %
		<u> </u>	2.34	72.67	20.10		65.0	
40007	LTE TOD (OO EDIM A DD 4 AAA)	Z	6.98	84.60	23.83		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	8.72	84.77	22.80	6.02	65.0	± 9.6 %
		Y	2.21	71.55	18.95		65.0	
40000	LTE TOD (OC COMA 4 CD 4 4 A ")	Z	6.78	83.00	22.65	0.00	65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	7.70	87.24	26.02	6.02	65.0	± 9.6 %
		Y	2.35	71.63	21.26		65.0	
40000	LIFE TOD (CO EDIAM A DD CAME)	Z	5.43	82.72	24.92	0.00	65.0	-:
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	9.03	86.38	23.83	6.02	65.0	± 9.6 %
	<u> </u>	Y	2.27	72.06	19.75		65.0	
40000	LITE TOD (OO FOLIA 4 DD O MILL OA	Z	6.67	83.69	23.42	2.22	65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	×	8.29	83.90	22.43	6.02	65.0	± 9.6 %
		ΙΥ	2.13	70.90	18.60		65.0	
10001		Z	6.44	82.12	22.26		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	Х	7.38	86.38	25.64	6.02	65.0	± 9.6 %
		Y	2.30	71.12	20.95		65.0	
40000		Z	5.24	81.97	24.56	2.00	65.0	
10232- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	9.02	86.36	23.83	6.02	65.0	± 9.6 %
		Y	2.27	72.05	19.75		65.0	<b></b>
10000		Z	6.65	83.67	23.41		65.0	
10233- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	8.28	83.89	22.42	6.02	65.0	± 9.6 %
		Y	2.13	70.87	18.59		65.0	<b>!</b>
10234- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	6.43 7.10	82.09 85.54	22.25 25.23	6.02	65.0 65.0	± 9.6 %
0/10	GR OIT	Y	2.26	70.79	20.68		65.0	
		Ż	5.08	81.30	24.19		65.0	<del></del>
10235- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	9.02	86.38	23.84	6.02	65.0	± 9.6 %
	1	Υ	2.27	72.05	19.76	İ	65.0	
		Z	6.65	83.69	23.42		65.0	
10236- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	Х	8.34	83.99	22.45	6.02	65.0	± 9.6 %
		Υ	2.15	70.97	18.63		65.0	
		Z	6.48	82.21	22.28		65.0	
10237- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	Х	7.38	86.43	25.66	6.02	65.0	± 9.6 %
		Υ	2.30	71.11	20.95		65.0	
		Z	5.24	82.00	24.57		65.0	
10238- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	Х	9.00	86.33	23.82	6.02	65.0	± 9.6 %
		Υ	2.26	72.03	19.74		65.0	
		Z	6.63	83.64	23.40		65.0	

10240- CAC 10241- CAA 10242- CAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	Y Z X	2.13 6.41	70.85 82.06	18.59		65.0	
10241- CAA 10242- CAA 10243-	QPSK)	Z X	6.41				KN / I	
10241- CAA 10242- CAA 10243-	QPSK)	X						<del>                                     </del>
10241- CAA 10242- CAA 10243-	QPSK)				22.24		65.0	
10242- CAA 10243-	LTE TOD (OO FDMA 500/ DD 4 AAN)		7.36 	86.38	25.64	6.02	65.0	± 9.6 %
10242- CAA 10243-	LTE TOD (OO FOLKS FOR DD 4 4 4 4 4	Υ	2.30	71.11	20.95		65.0	
10242- CAA 10243-	LTC TDD (OO EDMA COO) DD 4 4 4 4 1	Ζ	5.22	81.96	24.56		65.0	
10243-	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	7.65	78.90	23.86	6.98	65.0	± 9.6 %
10243-		Υ	4.15	74.63	23.03		65.0	
10243-		Z	6.65	77.23	23.41	· -	65.0	
I .	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	7.40	78.25	23.51	6.98	65.0	± 9.6 %
I .		Υ	3.84	73.21	22.33		65.0	
I .		Z	6.07	75.38	22.52		65.0	
<u> </u>	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	6.13	75.50	23.22	6.98	65.0	± 9.6 %
		Υ	3.68	71.24	22.18		65.0	
		Ż	5.17	72.72	22.17		65.0	
	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	4.96	71.78	16.23	3.98	65.0	± 9.6 %
-	•	Y	1.47	60.59	6.86		65.0	
		Ž	4.27	70.57	15.63		65.0	
	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	4.90	71.39	16.01	3.98	65.0	±9.6%
		Υ	1.47	60.48	6.73		65.0	
		Z	4.22	70.14	15.39		65.0	
	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	4.94	75.03	17.94	3.98	65.0	± 9.6 %
		Y	1.46	62.04	8.51		65.0	
		Ż	4.23	73.72	17.40		65.0	
	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	4.94	72.43	17.57	3.98	65.0	± 9.6 %
		Υ	2.10	63.24	9.90		65.0	<del> </del>
	·	ż	4.38	71.34	17.07		65.0	<u> </u>
	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	4.96	72.03	17.39	3.98	65.0	± 9.6 %
		Y	2.10	62.93	9.72		65.0	
		Z	4.40	70.92	16.87		65.0	
	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	6.07	78.35	20.13	3.98	65.0	± 9.6 %
		Υ	2.33	67.19	12.94	_	65.0	
	· -	Z	5.28	77.21	19.80		65.0	1
	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	5.95	75.24	20.37	3.98	65.0	± 9.6 %
		Υ	3.82	70.93	16.95		65.0	i
		Z	5.33	74.14	20.02		65.0	j
	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	×	5.69	73.28	19.20	3.98	65.0	± 9.6 %
		Υ	3.45	68.36	15.25		65.0	<b>†</b>
-		Z	5.13	72.25	18.83	-	65.0	1
	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	6.58	78.88	21.28	3.98	65.0	± 9.6 %
		Y	4.11	75.12	18.99		65.0	
		Ż	5.80	77.80	21.07		65.0	
	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	×	5.80	72.65	19.29	3.98	65.0	± 9.6 %
	·	Υ	4.01	69.64	16.98		65.0	<del></del>
		Z	5.29	71.67	18.98		65.0	
	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	x	6.17	73.58	20.02	3.98	65.0	± 9.6 %
		Υ	4.31	70.68	17.76		65.0	<del>                                     </del>
+	<del></del>	Z	5.63	72.60	19.71		65.0	-

10255- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	Х	6.29	76.23	20.52	3.98	65.0	± 9.6 %
		ΙΥΙ	4.41	74.27	19.43		65.0	
		Z	5.67	75.30	20.34		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	3.88	68.28	13.63	3.98	65.0	± 9.6 %
		Y	1.05	58.86	4.54		65.0	
		z	3.28	66.95	12.85		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	3.85	67.85	13.35	3.98	65.0	± 9.6 %
		Y	1.05	58.75	4.36		65.0	
		Z	3.25	66.51	12.54		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	Х	3.78	70.85	15.35	3.98	65.0	± 9.6 %
		Υ	1.11	60.00	5.99		65.0	
		Z	3.18	69.35	14.58	_	65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	Х	5.33	73.49	18.59	3.98	65.0	± 9.6 %
	·	Y	2.60	65.55	12,14		65.0	
		Z	4.76	72.43	18.16		65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	Х	5.38	73.29	18.52	3.98	65.0	± 9.6 %
		Y	2.62	65.36	12.01		65.0	-
		Z	4.80	72.23	18.08		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	Х	6.02	77.89	20.37	3.98	65.0	± 9.6 %
		Y	2.87	69.70	14.96		65.0	
		Z	5.26	76.76	20.06		65.0	
10262- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	Х	5.94	75.19	20.32	3.98	65.0	± 9.6 %
		Y	3.80	70.83	16.88		65.0	1
		Z	5.32	74.09	19.98		65.0	
10263- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	Х	5.68	73.26	19.19	3.98	65.0	± 9.6 %
		Y	3.45	68.35	15.24		65.0	
		Z	5.12	72.23	18.82		65.0	
10264- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	6.52	78.70	21.19	3.98	65.0	± 9.6 %
		Y	4.06	74.89	18.86		65.0	
		Z	5.75	77.62	20.97		65.0	
10265- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	Х	5.92	73.14	19.52	3.98	65.0	± 9.6 %
	·	Y	4.14	70.23	17.64		65.0	
		Z	5.38	72.12	19.20		65.0	
10266- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	6.31	74.13	20.31	3.98	65.0	± 9.6 %
		Y	4.49	71.50	18.60		65.0	
		Z	5.75	73.12	20.02		65.0	
10267- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	Х	6.54	76.70	20.49	3.98	65.0	± 9.6 %
		Υ	4.64	75.05	19.89		65.0	
		Z	5.90	75.83	20.35		65.0	
10268- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	6.58	73,24	19.99	3.98	65.0	± 9.6 %
		Υ	4.89	71.06	18.92		65.0	
		Z	6.05	72.29	19.72		65.0	
10269- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	6.56	72.88	19.90	3.98	65.0	± 9.6 %
		Y	4.96	70.94	18.86		65.0	
		Z	6.05	71.95	19.63		65.0	
10270- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	6.52	74.64	19.85	3.98	65.0	± 9.6 %
		Ŷ	4.97	73.67	19.72		65.0	
		Z	5.98	73.87	19.71		65.0	

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	Х	2.66	67.03	15.70	0.00	150.0	± 9.6 %
CAB	Relo. 10)	-	0.24	CO FF	44.00		4500	
	<del>                                       </del>	Z	2.34 2.62	68.55 66.83	14.63 15.48		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	X	1.75	69.41	16.56	0.00	150.0 150.0	± 9.6 %
-		Υ	2.02	74.91	18.12		150.0	
		Z	1.67	68.59	16.06		150.0	
10277- CAA	PHS (QPSK)	X	2.57	62.13	7.82	9.03	50.0	± 9.6 %
		Υ	1.60	59.68	4.94		50.0	
		Z	2.26	61.44	7.11		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	Х	4.26	69.41	14.02	9.03	50.0	± 9.6 %
		Υ	2.29	61.84	7.55		50.0	
		Z	3.87	68.64	13.41		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	×	4.37	69.66	14.18	9.03	50.0	± 9.6 %
		Y	2.31	61.88	7.61		50.0	
10000	001110000 001 001	Z	3.97	68.90	13.58		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	Х	1.85	72.31	15.88	0.00	150.0	± 9.6 %
		Υ	0.36	60.00	5.29		150.0	
10001	0001140000 0000 0000 0000	Z	1.58	70.17	14.63		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	Х	1.02	68.88	14.36	0.00	150.0	± 9.6 %
		Υ	0.28	60.00	5.31		150.0	
10000		Z	0.90	67.15	13.20		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	Х	1.80	77.95	18.61	0.00	150.0	± 9.6 %
		Υ	0.38	62.69	7.21		150.0	
		Z	1.39	74.03	16.69		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	×	5.83	95.82	25.10	0.00	150.0	± 9.6 %
		Υ	100.00	107.50	20.43		150.0	
		Z	3.54	87.74	22.15		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	Х	7.34	78.85	20.80	9.03	50.0	± 9.6 %
		Υ	17.07	85.10	19.02		50.0	
		Z	7.80	80.40	21.29		50.0	
10297- AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.92	70.76	17.30	0.00	150.0	± 9.6 %
		Ý	2.60	72.27	18.25		150.0	
		Z	2.80	70.10	16.98		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	Х	1.81	69.98	15.49	0.00	150.0	± 9.6 %
		Υ	0.52	60.00	6.04		150.0	
10299-	LTE-FDD (SC-FDMA, 50% RB, 3 MHz,	Z X	1.63 2.47	68.52 68.97	14.51 14.03	0.00	150.0 150.0	±9.6 %
AAC	16-QAM)	<b> </b>	L			<u> </u>	1	
		Y	0.58	60.00	4.73	<u></u>	150.0	
10200	LTC CDD (CO CDMA CON DD O AU)	Z	2.10	67.38	13.05	0.00	150.0	
10300- _AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	1.87	64.64	11.20	0.00	150.0	±9.6 %
	<del></del>	Y	0.56	60.00	4.04		150.0	
10301- AAA	IEEE 802.16e WiMAX (29:18, 5ms,	Z X	1.64 4.64	63.62 64.99	10.41 17.32	4.17	150.0 50.0	± 9.6 %
~~~	10MHz, QPSK, PUSC)	Y	3.97	66.09	16.87	<del> </del>	50.0	
	<u> </u>	Z	4.63	65.19	17.38	 	50.0	1
10302- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	5.19	65.93	18.20	4.96	50.0	± 9.6 %
-	Tomitz, Grott, 1 000, 0 0 (INE symbols)	Y	4.41	66.55	17.60	-	50.0	
	 	Z	5.08	65.68	18.02		50.0	
		1 4	1 0.00	1 00.00	10.02	<u> </u>	1 30.0	L

IEEE 802.16e WIMAX (31:15, 5ms,	X	4.95	65.59	18.05	4.96	50.0	± 9.6 %
TOMINA, OTOMIN, FUSC)	$+$ \downarrow \downarrow	4.06	66.60	47 40		50.0	<u> </u>
IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.75	65.47	17.56	4.17	50.0	± 9.6 %
	Y	4.05	66.34	16.93		50.0	
IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	4.49	67.73	19.78	6.02	35.0	± 9.6 %
	Y	3.71	67.28	16.67		35.0	
	Z	4.28	66.94	19.23		35.0	
IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)		4.75	66.48	19.22	6.02	35.0	± 9.6 %
						35.0	
IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)					6.02		± 9.6 %
· · · · · · · · · · · · · · · · · · ·							
IEEE 000 40. WILLIAM (05. 15. 15					<u></u>		
IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)					6.02		± 9.6 %
IEEE 000 40- W/MAY (00 10 10							
10MHz, 16QAM, AMC 2x3, 18 symbols)					6.02		± 9.6 %
IEEE 000 10 11/11/11/100 10 10							
10MHz, QPSK, AMC 2x3, 18 symbols)					6.02		± 9.6 %
LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)					0.00		± 9.6 %
iDEN 1:3					6.99		± 9.6 %
iDEN 1:6					10.00		± 9.6 %
Mbps, 96pc duty cycle)					0.17		± 9.6 %
IEEE 900 44a WIEI 2 4 CHa /EBB					0.17		+069/
OFDM, 6 Mbps, 96pc duty cycle)					0.17		± 9.6 %
<u> </u>							
ICCC 902 110 WICLE OH- (OCDM 6	-				0.47		1060/
Mbps, 96pc duty cycle)					0.17		± 9.6 %
IEEE 802.11ac WiFi (20MHz, 64-QAM,	X	4.56	66.65	16.32 16.46	0.00	150.0	± 9.6 %
aspo duty cycle)	Y	4.09	67.65	16.48		150.0	
	Z	4.69	67.06	16.40		150.0	
1					0.00	150.0	± 9.6 %
IEEE 802.11ac WiFi (40MHz, 64-QAM,	X	5.44	67.31	16.60	0.00	100.0	1 3.0 %
IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	4.84	67.31	16.60	0.00	150.0	3.0 %
	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC) IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) IEEE 802.11e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) IEEE 802.11e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) IEEE 802.11e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols) IEEE 802.11e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	10MHz, 64QAM, PUSC)	10MHz, 64QAM, PUSC)	10MHz, 64QAM, PUSC)	10MHz, 64QAM, PUSC)	10MHz, 64QAM, PUSC)	10MHz, 64QAM, PUSC)

Y 5.24 67.76 16.80 150.0	10402- AAC	IEEE 802.11ac WIFi (80MHz, 64-QAM, 99pc duty cycle)	Х	5.69	67.61	16.60	0.00	150.0	± 9.6 %
10403- CDMA2000 (TxEV-DO, Rev. 0) X 1.85 67.50 15.68 0.00 15.00 ± 9.6			İΫ	5.24	67.76	16.80		150.0	
10404- CDMA2000 (1xEV-DO, Rev. 0)									
10404- CDMA2000 (1xEV-DO, Rev. A)		CDMA2000 (1xEV-DO, Rev. 0)					0.00		± 9.6 %
10404- CDMA2000 (1xEV-DO, Rev. A)			Υ	0.36	60.00	5.29		115.0	
10404- CDMA2000 (1xEV-DO, Rev. A)			Z	1.58	70.17	14.63		115.0	
10406-	-	CDMA2000 (1xEV-DO, Rev. A)				15.88	0.00		± 9.6 %
10406- CDMA2000, RC3, SO32, SCH0, Full X 53.12 115.17 28.24 0.00 100.0 19.6 ABa Rate Y 100.00 124.65 27.76 100.0 100									
AAB Rate								115.0	
10410-							0.00		± 9.6 %
10410- ABB									
AAB								100.0	
Totals		LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)					3.23		± 9.6 %
10415- IEEE 802.11p WiFi 2.4 GHz (DSSS, 1 X 1.04 63.68 15.36 0.00 150.0 ± 9.6			_						
AAA									
10416- IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)							0.00		± 9.6 %
10416- IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)									
10416- IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duly cycle)								150.0	
Total			X		66.83	16.42	0.00	150.0	± 9.6 %
10417- IEEE 802.11a / MiFi 5 GHz (OFDM, 6 X 4.58 66.83 16.42 0.00 150.0 ± 9.6			Y	4.11	67.78	16.58		150.0	
AAA Mbps, 99pc duty cycle) Y 4.11 67.78 16.58 150.0 Z 4.54 66.76 16.35 150.0 10418- AAA Presential (Park) EEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) Y 4.09 68.01 16.69 150.0 Z 4.53 66.93 16.39 150.0 10419- AAA OFDM, 6 Mbps, 99pc duty cycle, Short preambule) Y 4.11 67.93 16.65 150.0 Z 4.55 66.67 16.38 150.0 10422- AAA BPSK) Y 4.11 67.93 16.65 150.0 Z 4.55 66.67 16.38 150.0 Y 4.19 67.62 16.64 150.0 AAA Mbps, 16-QAM) Y 4.27 68.04 16.70 150.0 AAA Mbps, 64-QAM) Y 4.21 67.94 16.50 150.0 AAA BPSK) Y 4.21 67.94 16.50 150.0 AAA BPSK) Y 4.21 67.94 16.57 150.0 AAA BPSK) Y 4.21 67.94 16.57 150.0 AAA BPSK) Y 4.21 67.94 16.57 150.0 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) Y 4.21 67.92 16.64 0.00 150.0 ±9.6 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) Y 4.21 67.92 16.64 150.0 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) AAA BPSK) Y 4.21 67.94 16.67 150.0 AAA BPSK) AAA BPSK BPSK BPSK BPSK BPSK BPSK BPSK BPSK				4.54	66.76	16.35		150.0	
Total			Х	4.58	66.83	16.42	0.00	150.0	± 9.6 %
D418- IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)		<u> </u>	Y	4.11	67.78	16.58		150.0	
10418- IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)			Z	4.54			-		
Total Tota		OFDM, 6 Mbps, 99pc duty cycle, Long		4.57		į	0.00		± 9.6 %
Tele		<u> </u>	Υ	4.09	68.01	16.69		150.0	-
10419- AAA			Z	4.53					
Tele Round Tel		OFDM, 6 Mbps, 99pc duty cycle, Short	Х				0.00		± 9.6 %
Total Content of the Content of th			Υ	4.11	67.93	16.65		150.0	
Total Tota									
Table Tabl		1 == 0.0					0.00		± 9.6 %
Table Tabl			Υ	4.19	67.82	16.64		150.0	<u> </u>
10423- AAA Mbps, 16-QAM Y 4.27 68.04 16.70 150.0 ± 9.6									
Tele Tele							0.00		± 9.6 %
Tell Research Tell Researc			Υ	4.27	68.04	16.70		150.0	
10424- AAA IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM) X 4.79 67.20 16.54 0.00 150.0 ± 9.6 AAA Mbps, 64-QAM) Y 4.21 67.94 16.67 150.0 1			Z						
Total Tota							0.00		± 9.6 %
Total Tota			Υ	4.21	67.94	16.67	_	150.0	-
10425- AAA BPSK) Y 4.86 67.72 16.85 150.0 Z 5.35 67.38 16.64 150.0 10426- AAA IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.40 67.51 16.70 0.00 150.0 ± 9.6 Y 4.89 67.85 16.91 150.0									
Total Tota							0.00		± 9.6 %
Total Tota			Υ	4.86	67.72	16.85		150.0	
10426- AAA IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.40 67.51 16.70 0.00 150.0 ± 9.6									
Y 4.89 67.85 16.91 150.0							0.00		± 9.6 %
			Υ	4.89	67.85	16.91		150.0	
Z 5.37 67.47 16.68 150.0									-

10427- AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	ТхТ	5.41	67.49	16.68	0.00	150.0	± 9.6 %
	o . su unij	Y	4.87	67.71	16.83		150.0	
		Z	5.37	67.41	16.64			
10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.48	71.93	18.89	0.00	150.0 150.0	± 9.6 %
		Υ	5.16	77.88	19.19		150.0	
		Z	4.43	71.96	18.79		150.0	
10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.27	67.46	16.46	0.00	150.0	± 9.6 %
		Υ	3.63	68.54	16.11		150.0	
		Z	4.21	67.36	16.35		150.0	
10432- <u>A</u> AA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	Х	4.56	67.28	16.50	0.00	150.0	± 9.6 %
		Y	3.98	68.25	16.55		150.0	
		Z	4.51	67.19	16.43		150.0	
10433- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.81	67.24	16.56	0.00	150.0	± 9.6 %
	 	Y	4.24	68.00	16.70		150.0	
10424	W ODMA (DO Tankle data of DEC)	Z	4.76	67.15	16.49	0.00	150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.67	73.09	18.99	0.00	150.0	± 9.6 %
	-	Y	4.20	74.62	16.81		150.0	
10435-	LTE TOD /CC EDMA 4 DB 20 MILE	Z	4.61	73.09	18.84	0.00	150.0	1000
AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.37	82.80	18.90 16.26	3.23	80.0	± 9.6 %
		Z	1.33	72.76			80.0	
10447- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	4.91 3.58	82.00 67.63	19.05 15.88	0.00	80.0 150.0	± 9.6 %
,,,,,,	Опрринд 4470)	Y	2.52	66.35	12.95		150.0	
		Ż	3.50	67.43	15.64		150.0	
10448- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.11	67.25	16.33	0.00	150.0	± 9.6 %
		Υ	3.54	68.41	16.05		150.0	
		Z	4.05	67.14	16.22		150.0	
10449- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	Х	4.38	67.12	16.41	0.00	150.0	± 9.6 %
	<u> </u>	Y	3.87	68.13	16.50		150.0	
		Z	4.33	67.03	16.33		150.0	
10450- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	Х	4.57	67.02	16.42	0.00	150.0	± 9.6 %
		Υ	4.09	67.80	16.59		150.0	
		Z	4.53	66.93	16.35		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	Х	3.49	67.88	15.53	0.00	150.0	± 9.6 %
		Y	2.00	64.08	10.79	<u> </u>	150.0	
		Z	3.38	67.58	15.21		150.0	
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.26	68.00	16.81	0.00	150.0	± 9.6 %
		Υ	6.16	68.95	17.43	1	150.0	
40427	LINTO FOR (CO LIGORA)	Z	6.24	67.94	16.79	0.00	150.0	1000
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.82	65.46	16.13	0.00	150.0	± 9.6 %
		Y	3.61	66.92	16.42	<u> </u>	150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.81 3.29	65.40 67.12	16.06 14.89	0.00	150.0 150.0	± 9.6 %
~~~	- Cornera)	Y	1.44	60.53	7.42	<del>                                     </del>	150.0	
		<u>                                   </u>	3.18	66.78	14.49	<del>                                     </del>	150.0	
-								i .
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3	X	4.43	65.51	15.86	0.00	150.0	± 9.6 %
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)					0.00		± 9.6 %

10460- AAA	UMTS-FDD (WCDMA, AMR)	X	1.04	71.02	17.96	0.00	150.0	± 9.6 %
7001	<del></del>	Υ	1.96	84.00	22.92		150.0	
		ż	0.97	69.34	16.98		150.0	<del>                                     </del>
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.48	77.15	17.91	3.29	80.0	± 9.6 %
		Υ	0.97	69.25	15.91		80.0	
		Ζ	2.58	75.48	17.77		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	1.03	60.33	8.14	3.23	80.0	± 9.6 %
		Υ	0.21	55.42	3.53		80.0	
10100	1.75 700 700 700 700 700 700 700 700 700 7	Z	0.84	60.00	7.93		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.01	60.00	7.51	3.23	80.0	± 9.6 %
	<u> </u>	Y	28.36	203.22	3.05		80.0	
10464-	LTE TOD (CC FDMA 4 DD 0 MILE	Z	0.86	60.00	7.39	0.00	80.0	L
AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.64	73.32	15.98	3.23	80.0	± 9.6 %
		Y	0.75	66.12	13.77		80.0	ļ
10465-	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-	Z	2.03	72.11	15.91	2.00	80.0	1000
AAA	QAM, UL Subframe=2,3,4,7,8,9)	X	0.99 29.96	60.00	7.91	3.23	80.0	± 9.6 %
				194.97	5.15		80.0	<u> </u>
10466-	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-	_ <u>Z</u>	0.84	60.00	7.86	2.00	80.0	1000
AAA	QAM, UL Subframe=2,3,4,7,8,9)	X	1.01	60.00	7.46	3.23	80.0	± 9.6 %
_	<del>                                     </del>	Y	30.98	196.96	1.83		80.0	
10467- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Z X	0.86 2.77	60.00 73.96	7.34 16.25	3.23	80.0 80.0	± 9.6 %
70 (13	Gr ON, OE Odbirdine - 2,0,4,7,0,0)	Υ	0.77	66.65	14.10		80.0	
	<u> </u>	Z	2.12	72.73	16.19		80.0	
10468- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.99	60.08	7.96	3.23	80.0	± 9.6 %
		Υ	0.21	55.39	3.50		80.0	<del>                                     </del>
_	-	Z	0.84	60.00	7.88		80.0	-
10469- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.01	60.00	7.46	3.23	80.0	± 9.6 %
		Υ	30.66	197.41	1.31		80.0	
		Z	0.86	60.00	7.34		80.0	
10470- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	2.76	73.94	16.23	3.23	80.0	± 9.6 %
		Υ	0.77	66.67	14.10		80.0	
		Z	2.11	72.72	16.18		80.0	
10471- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.99	60.05	7.93	3.23	80.0	± 9.6 %
	<del>-</del>	Y	29.34	196.18	6.49	L	80.0	<u> </u>
40470		Z	0.84	60.00	7.87		80.0	
10472- AAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	1.01	60.00	7.45	3.23	80.0	± 9.6 %
	<del>                                     </del>	Υ	30.49	197.73	1.27		80.0	ļ
40.470	LTE TOD (OO ED) A CE (E)	Z	0.86	60.00	7.33		80.0	<u> </u>
10473- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.76	73.90	16.22	3.23	80.0	± 9.6 %
	-	Υ	0.77	66.63	14.08	Ļ	80.0	<b>_</b>
10474- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	2.11 0.99	72.69 60.03	16.16 7.93	3.23	80.0	± 9.6 %
1010	SO (W), OL GUDITATHE-2,0,4,7,0,9)	Υ	29.25	196.25	6.42	<del>                                     </del>	90.0	
		Z	0.84	60.00	7.87	-	80.0 80.0	<del> </del>
10475-	<del>                                      </del>	X	1.01	60.00	7.45	3.23	80.0	± 9.6 %
	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2.3.4.7.8.9)	^	1.01	00.00				
10475- AAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	^ Y	30.47	197.62	1.42		80.0	

10477- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.98	60.00	7.89	3.23	80.0	± 9.6 %
		Υ	29.49	195.72	5.56		80.0	
		Z	0.84	60.00	7.84		80.0	
10478- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	1.01	60.00	7.44	3.23	80.0	± 9.6 %
		Υ	30.62	197.39	1.80		80.0	
		Ζ	0.86	60.00	7.32		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.88	74.90	18.39	3.23	80.0	± 9.6 %
_		Υ	2.49	77.92	19.26		80.0	
40400	LITE TOD (OO EDIVA FOR DD 4 4 HILL	Z	3.49	74.59	18.40		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.37	69.78	14.78	3.23	80.0	± 9.6 %
	<del></del>	1	0.68	60.27	8.31		80.0	<u> </u>
40404	LTE TOD (OO EDMA 500) DD 4 4 AUG	Z	2.92	69.11	14.47		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.92	67.65	13.55	3.23	80.0	± 9.6 %
	<u> </u>	Y	0.66	60.00	7.51		80.0	
10492	LITE TOD (OC COMA FOR DO CAR)	Z	2.50	66.84	13.14	0.00	80.0	4.0.0.00
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.52	68.86	15.13	2.23	80.0	± 9.6 %
		Υ .	0.83	60.00	6.91		80.0	
10483-	LTE-TDD (SC-FDMA, 50% RB, 3 MHz,	Z	2.14	67.39	14.41	0.00	80.0	1000
10483- AAA	16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.86	67.07	13.71	2.23	80.0	± 9.6 %
		Υ	1.05	60.00	5.62		80.0	<u></u>
10404	LTC TDD /CC CDMA 500/ DD 2 MILE	Z	2.44	65.81	13.01	0.00	80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.80	66.60	13.51	2.23	80.0	± 9.6 %
		Y	1.07	60.00	5.60		80.0	
40.105	LTE TOD (OO ED) IA FOR OO EARL	Z	2.40	65.34	12.79	0.00	80.0	
10485- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	2.96	70.85	16.91	2.23	80.0	± 9.6 %
		Υ	1.17	62.58	10.56		80.0	
40400	LTC TOD (OO COAL) FOR DO CARL	Z	2.58	69.54	16.39	2 00	80.0	
10486- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.96	67.72	15.13	2.23	80.0	± 9.6 %
		Y	1.13	60.00	7.87		80.0	
10487- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.66 2.97	66.76 67.43	14.61 14.99	2.23	80.0 80.0	± 9.6 %
		Υ	1.16	60.00	7.81		80.0	
		Z	2.67	66.49	14.47		80.0	
10488- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	3.38	70.90	17.67	2.23	80.0	± 9.6 %
		Υ	2.25	69.00	16.17		80.0	
		Z	3.02	69.76	17.29		80.0	
10489- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.39	68.12	16.57	2.23	80.0	± 9.6 %
		Υ	2.32	66.16	14.18		80.0	
		Z	3.13	67.37	16.26		80.0	
10490- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.49	68.02	16.54	2.23	80.0	± 9.6 %
		Υ	2.33	65.79	13.96		80.0	
		Z	3.23	67.30	16.25		80.0	
10491- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	3.68	69.90	17.42	2.23	80.0	± 9.6 %
		Υ	2.62	68.57	16.67	ļ	80.0	
		Z	3.36	68.97	17.13	<u></u>	80.0	
10492- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.77	67.68	16.72	2.23	80.0	± 9.6 %
		Υ	2.84	66.78	15.53		80.0	
		Z	3.53	67.02	16.47		80.0	

10493- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.84	67.59	16.70	2.23	80.0	± 9.6 %
		Υ	2.87	66.60	15.40		80.0	
		Z	3.60	66.95	16.45		80.0	
10494- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	3.93	71.14	17.78	2.23	80.0	± 9.6 %
		Υ	2.77	69.47	17.23		80.0	
		Z	3.56	70.11	17.48		80.0	_
10495- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.80	68.03	16.89	2.23	80.0	± 9.6 %
		Y	2.91	67.12	16.06		80.0	
		Z	3.55	67.32	16.64		80.0	
10496- AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.89	67.83	16.85	2.23	80.0	± 9.6 %
		Y	2.99	66.99	16.00		80.0	
	<u> </u>	Z	3.64	67.16	16.61		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.81	64.83	12.37	2.23	80.0	± 9.6 %
		Υ	0.97	60.00	4.80		80.0	
		Z	1.52	63.38	11.47		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	1.56	60.98	9.46	2.23	80.0	± 9.6 %
		Υ	19.60	209.65	15.97		80.0	
		Z	1.35	60.00	8.64		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	1.53	60.58	9.11	2.23	80.0	± 9.6 %
		Y	17.31	229.94	5.52		80.0	
		Z	1.37	60.00	8.51		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.10	70.67	17.16	2.23	80.0	± 9.6 %
		Y	1.60	65.48	12.91		80.0	
_	<u> </u>	Z	2.73	69.49	16.71		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.16	67.97	15.73	2.23	80.0	± 9.6 %
	<u> </u>	Y	1.34	60.72	9.33		80.0	
		Z	2.88	67.15	15.31		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.22	67.87	15.63	2,23	80.0	± 9.6 %
		Y	1.33	60.43	9.07		80.0	
		Z	2.93	67.06	15.21	1	80.0	
10503- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.34	70.72	17.57	2.23	80.0	± 9.6 %
		Υ	2.22	68.78	16.06		80.0	<u> </u>
		Z	2.98	69.59	17.20	L	80.0	
10504- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.37	68.03	16.51	2.23	80.0	± 9.6 %
		Υ	2.30	66.01	14.09		80.0	<u> </u>
		Z	3,11	67.28	16.20		80.0	
10505- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.47	67.93	16.49	2.23	80.0	± 9.6 %
_		Υ	2.31	65.66	13.87		80.0	
		Z	3.21	67.21	16.19		80.0	
10506- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.90	71.01	17.71	2.23	80.0	± 9.6 %
		Y	2.75	69.34	17.15		80.0	
		Z	3.53	69.98	17.41		80.0	
10507- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	3.78	67.97	16.85	2.23	80.0	± 9.6 %
	, , , , , , , , , , , , , , , , , , , ,	Υ	2.90	67.04	16.01	<del>                                     </del>	80.0	+
			4.00	1 07.04	ו ט.טו	1	I OULU	

10508- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.87	67.76	16.81	2.23	80.0	± 9.6 %
		Υ	2.97	66.90	15.95		80.0	
		Ζ	3.63	67.09	16.57		80.0	
10509- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.29	70.13	17.39	2.23	80.0	± 9.6 %
		Y	3.19	68.68	17.10		80.0	
		Z	3.96	69.31	17.16		80.0	
10510- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.29	67.87	16.94	2.23	80.0	± 9.6 %
		Υ	3.35	66.74	16.37		80.0	
40544	1 = = = = = = = = = = = = = = = = = = =	Z	4.04	67.22	16.73		80.0	
10511- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.35	67.67	16.90	2.23	80.0	± 9.6 %
		Υ	3.43	66.67	16.35		80.0	
		Z	4.11	67.05	16.70		80.0	
10512- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	4.41	71.37	17.74	2.23	80.0	± 9.6 %
<u> </u>		Y	3.20	69.31	17.29		80.0	
	·	Z	4.03	70.41	17.47		80.0	
10513- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	4.17	68.08	17.01	2.23	80.0	± 9.6 %
		Υ	3.27	66.70	16.44		80.0	
		Z	3.92	67.38	16.78		80.0	
10514- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.20	67.73	16.93	2.23	80.0	± 9.6 %
		Υ	3.34	66.53	16.38		80.0	
		Z	3.96	67.07	16.71		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	1.01	63.92	15.46	0.00	150.0	± 9.6 %
		Y	1.07	66.05	16.52		150.0	
:	1555	Z	1.00	63.52	15.11		150.0	. 5.0.0/
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.80	76.03	20.57	0.00	150.0	± 9.6 %
		Y	1.63	90.26	26.95		150.0	
10517-	IEEE 000 445 MEE: 0 4 OU - (DCCC 44	Z	0.67	72.14	18.59	0.00	150.0 150.0	1000
AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)		0.88	66.52 69.72	16.52 18.29	0.00	150.0	± 9.6 %
_		Z	0.86	65.67	15.91		150.0	
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.57	66.91	16.40	0.00	150.0	± 9.6 %
· ·		Υ	4.10	67.98	16.63		150.0	
		Z	4.53	66.84	16.34		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	Х	4.75	67.14	16.51	0.00	150.0	± 9.6 %
		Υ	4.20	68.09	16.69		150.0	
		Z	4.70	67.05	16.44		150.0	
10520- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.61	67.11	16.44	0.00	150.0	± 9.6 %
	<del> </del>	Y	4.07	67.97	16.60		150.0 150.0	
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.56 4.54	67.01 67.11	16.37 16.43	0.00	150.0	± 9.6 %
		Υ	4.00	67.83	16.53		150.0	
-		Z	4.49	67.00	16.36		150.0	
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	Х	4.60	67.20	16.52	0.00	150.0	± 9.6 %
		Υ	4.00	67.82	16.53		150.0	
		Z	4.55	67.12	16.45		150.0	

Page 30 of 38

10523- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.49	67.08	16.37	0.00	150.0	± 9.6 %
		TY	4.01	68.16	16.68		150.0	
		Ż	4.44	67.01	16.31		150.0	<del> </del>
10524- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	Х	4.54	67.12	16.48	0.00	150.0	± 9.6 %
		Y ]	3.97	67.92	16.63		150.0	
		Z	4.49	67.03	16.42		150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	Х	4.54	66.18	16.08	0.00	150.0	± 9.6 %
		Y	4.09	67.26	16.38		150.0	
10526-	IEEE 802.11ac WiFi (20MHz, MCS1,	Z	4.50	66.10	16.02		150.0	
AAA	99pc duty cycle)	X	4.71	66.55	16.22	0.00	150.0	± 9.6 %
		Y	4.14	67.37	16.43		150.0	
10527-	IEEE 802.11ac WiFi (20MHz, MCS2,	Z	4.65	66.45	16.16	0.00	150.0	1000
AAA	99pc duly cycle)	Ŷ	4.63	66.51	16.17	0.00	150.0	± 9.6 %
			4.11	67.44	16.42		150.0	
10528-	IEEE 802.11ac WiFi (20MHz, MCS3,	Z	4.58	66.41	16.10	0.00	150.0	1000
AAA	99pc duty cycle)	X	4.64	66.53	16.20	0.00	150.0	± 9.6 %
	-	Y	4.10	67.35	16.39		150.0	
10529-	IEEE 802.11ac WiFi (20MHz, MCS4,	Z	4.59	66.42	16.13	0.00	150.0	
AAA	99pc duty cycle)		4.64	66.53	16.20	0.00	150.0	± 9.6 %
	<del> </del>	Y	4.10	67.35	16.39		150.0	
10531-	IEEE 802.11ac WiFi (20MHz, MCS6,	$\frac{2}{X}$	4.59	66.42	16.13	0.00	150.0	
AAA	99pc duty cycle)		4.64	66.64	16.22	0.00	150.0	± 9.6 %
	<del>                                     </del>	Y	4.06	67.36	16.37		150.0	
10532-	1555 000 44 Mis: (00M) 1 M007	Z	4.58	66.51	16.14		150.0	<u> </u>
AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.50	66.50	16.16	0.00	150.0	± 9.6 %
	<del> </del>	Y.	3.98	67.28	16.33	_	150.0	
10533-	IEEE 000 44 Miss (2004) - 44000	Z	4.44	66.37	16.07		150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.65	66.58	16.19	0.00	150.0	± 9.6 %
		Y	4.11	67.58	16.46		150.0	
10504	(FFF 000 44 - 1455) (4014) - 14000	Z	4.60	66.49	16.13		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.17	66.59	16.23	0.00	150.0	± 9.6 %
	<del></del>	Y	4.70	66.96	16.45		150.0	
10535-	IEEE 900 44 co WIE: (40MH- A4004	Z	5.13	66.48	16.18		150.0	
AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	Х	5.24	66.77	16.31	0.00	150.0	± 9.6 %
-	<del> </del>	Y	4.70	67.00	16.48		150.0	
10536-	IEEE 802 1120 MIE: /40MI - MCCC	Z	5.20	66.68	16.26	0.00	150.0	
AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	Х	5.11	66.73	16.27	0.00	150.0	± 9.6 %
	<del>-</del>	Y	4.62	67.02	16.47		150.0	ļ
10E27	IEEE 900 44ee WEE: (40M) - 44000	Z	5.07	66.63	16.22		150.0	L
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.17	66.69	16.25	0.00	150.0	±9.6 %
	<del>                                       </del>	Y	4.71	67.16	16.55		150.0	
10538- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	Z X	5.13 5.26	66.59 66.70	16.20 16.30	0.00	150.0 150.0	± 9.6 %
7007	oopo duty cycle)	Υ	4.72	66.92	16.45		450.0	
		Z	5.21	66.59	16.45	-	150.0	
10540-	IEEE 802.11ac WiFi (40MHz, MCS6,	X	5.19	66.73	16.33	0.00	150.0	1060
AAA	99pc duty cycle)					0.00	150.0	± 9.6 %
	<del>                                     </del>	Y	4.66	66.87	16.46		150.0	
		<u> </u>	5.14	66.60	16.27	L	150.0	

10541-	IEEE 802.11ac WiFi (40MHz, MCS7,	X	5.16	66.59	16.25	0.00	150.0	± 9.6 %
AAA	99pc duty cycle)		_	<u> </u>				
		Υ	4.67	66.90	16.44		150.0	
10510	IEEE 000 44 MIEE (401 III )	Z	5.12	66.48	16.19		150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	Х	5.31	66.65	16.29	0.00	150.0	±9.6%
		Υ	4.80	66.97	16.49		150.0	
		Z	5.27	66.55	16.25		150.0	
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.39	66.68	16.33	0.00	150.0	± 9.6 %
		Υ	4.85	67.01	16.54		150.0	
10514	IFFE 000 44 M/F/ (000 H) A4000	Z	5.34	66.57	16.28		150.0	
10544- <b>AA</b> A	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duly cycle)	X	5.48	66.68	16.21	0.00	150.0	± 9.6 %
<del></del>		Y	5.09	66.77	16.36		150.0	
40E4E	IEEE 000 44 WEE: (004 III - 44004	Z	5.46	66.59	16.17		150.0	
10545- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.68	67.10	16.37	0.00	150.0	± 9.6 %
		Υ	5.20	67.11	16.51		150.0	
40540	IEEE 000 44 - 1485 (001 11 110 11	Z	5.65	67.02	16.33		150.0	
10546- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.55	66.89	16.28	0.00	150.0	± 9.6 %
	<u> </u>	Y	5.10	66.84	16.37		150.0	
40547	NEED OOD 44 - MIEL COOL III - MAGE	Z	5.51	66.77	16.22		150.0	
10547- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.62	66.93	16.29	0.00	150.0	±9.6 %
		Υ	5.22	67.15	16.53		150.0	
10510		Z	5.58	66.82	16.24		150.0	
10548- _AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	Х	5.87	67.85	16.72	0.00	150.0	± 9.6 %
		Υ	5.13	67.04	16.46		150.0	
		Z	5.82	67.71	16.65		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	Х	5.58	66.91	16.30	0.00	150.0	± 9.6 %
		Y_	5.24	67.42	16.68		150.0	
		Z	5.55	66.83	16.27		150.0	
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.58	66.96	16.28	0.00	150.0	± 9.6 %
		Υ	5.07	66.77	16.33		150.0	
		Z	5.54	66.84	16.23		150.0	
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	Х	5.50	66.76	16.19	0.00	150.0	± 9.6 %
		Y	5.09	66.99	16.43		150.0	
		Z	5.47	66.66	16.15		150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	Х	5.58	66.78	16.23	0.00	150.0	± 9.6 %
		Y	5.11	66.82	16.35		150.0	
		Z	5.54	66.67	16.18	ļ	150.0	
10554- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.89	67.03	16.29	0.00	150.0	± 9.6 %
		Υ	5.55	66.98	16.39		150.0	
		Z	5.87	66.94	16.25		150.0	
10555- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	Х	6.02	67.33	16.41	0.00	150.0	± 9.6 %
		Υ	5.61	67.17	16.48		150.0	
10000		Z	5.99	67.24	16.37		150.0	
10556- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duly cycle)	Х	6.04	67.38	16.43	0.00	150.0	± 9.6 %
		Y	5.65	67.28	16.52		150.0	
10===		Z	6.02	67.29	16.39		150.0	
10557- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duly cycle)	X	6.01	67.28	16.40	0.00	150.0	± 9.6 %
		Υ	5.60	67.14	16.47		150.0	
		Z	5.97	67.17	16.35		150.0	

10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.05	67.44	16.50	0.00	150.0	± 9.6 %
7001	- Copo daty dydicy	Y	5.55	67.02	16.43		150.0	<u> </u>
	<del>                                     </del>	z	6.02	67.33	16.45		150.0	
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.05	67.29	16.46	0.00	150.0	± 9.6 %
		Y	5.59	67.02	16.46		150.0	
		Z	6.01	67.17	16.41		150.0	
10561- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	Х	5.97	67.26	16.48	0.00	150.0	± 9.6 %
		Υ	5.53	66.98	16.46		150.0	
		Z	5.94	67.16	16.44		150.0	
10562- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.09	67.63	16.67	0.00	150.0	± 9.6 %
		Υ	5.59	67.19	16.57		150.0	
		Z	6.05	67.48	16.60		150.0	
10563- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	Х	6.29	67.85	16.73	0.00	150.0	± 9.6 %
		Υ	5.86	67.78	16.84		150.0	
		Z	6.16	67.47	16.55		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.89	66.92	16.50	0.46	150.0	± 9.6 %
		Υ	4.37	67.73	16.65		150.0	
		Z	4.84	66.85	16.44		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	5.12	67.38	16.83	0.46	150.0	± 9.6 %
		Y	4.53	68.17	16.98		150.0	
		Ž	5.07	67.30	16.78		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	Х	4.95	67.23	16.64	0.46	150.0	± 9.6 %
		Y	4.37	67.89	16.75		150.0	
		Z	4.90	67.13	16.58		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	4.98	67.65	17.02	0.46	150.0	± 9.6 %
		Y	4.44	68.37	17.19		150.0	
		Z	4.94	67.56	16.97		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	Х	4.85	66.96	16.38	0.46	150.0	± 9.6 %
		Y	4.20	67.26	16.25		150.0	
		Z	4.80	66.87	16.32		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	Х	4.94	67.75	17.08	0.46	150.0	± 9.6 %
		Υ	4.45	68.76	17.43		150.0	
		Z	4.90	67.68	17.04		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	Х	4.98	67.59	17.02	0.46	150.0	± 9.6 %
		ΙΥ	4.39	68.33	17.21		150.0	ļ
10==:		Z	4.93	67.52	16.97		150.0	
10571- _AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	Х	1.19	64.81	15.85	0.46	130.0	± 9.6 %
		Y	1.17	65.59	16.16		130.0	ļ
		Z	1.15	64.12	15.44		130.0	
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.21	65.43	16,24	0.46	130.0	± 9.6 %
		Y	1.18	66.27	16.61		130.0	
	<u> </u>	Z	1.17	64.67	15.80		130.0	ļ
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	Х	2.73	90.43	24.99	0.46	130.0	± 9.6 %
<u> </u>		Υ	2.86	95.55	28.03		130.0	
		Z	1.51	81.07	21.85		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	Х	1.39	72.10	19.60	0.46	130.0	±9.6%
		Υ	1.35	73.36	20.46		130.0	
		Z	1.26	70.26	18.73		130.0	

10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duly cycle)	X	4.65	66.62	16.45	0.46	130.0	± 9.6 %
7001	Or Divi, o wibbs, sope duty cycle)	Y	440	07.00	40.15		<u> </u>	
—·			4.13	67.33	16.45		130.0	
10576-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	4.61 4.68	66.55	16.40		130.0	
AAA	OFDM, 9 Mbps, 90pc duty cycle)			66,80	16.53	0.46	130.0	± 9.6 %
_	<del>-</del>	Y	4.17	67.68	16.63		130.0	
10577-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	4.64	66.73	16.48	<u> </u>	130.0	
_AAA	OFDM, 12 Mbps, 90pc duty cycle)	Х	4.88	67.09	16.70	0.46	130.0	± 9.6 %
		Z	4.28	67.86	16.75		130.0	
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.83	67.01 67.27	16.65 16.82	0.46	130.0 130.0	± 9.6 %
	,	Y	4.22	68.05	16.92		130.0	
_		T Z	4.73	67.18	16.77		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	Х	4.53	66.48	16.08	0.46	130.0	± 9.6 %
		Y	3.91	66.80	15.89		130.0	
		Z	4.48	66.37	16.01	_	130.0	
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.58	66.51	16.09	0.46	130.0	± 9.6 %
		Y	3.89	66.66	15.78		130.0	
		Z	4.53	66.42	16.03		130.0	
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	Х	4.68	67.30	16.76	0.46	130.0	± 9.6 %
		Υ	4.14	68.18	16.94	i	130.0	
		Z	4.63	67.21	16.71		130.0	
10582- _AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duly cycle)	X	4.47	66.23	15.85	0.46	130.0	± 9.6 %
		Y	3.80	66.45	15.61		130.0	
		Z	4.42	66.12	15.78		130.0	
10583- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	Х	4.65	66.62	16.45	0.46	130.0	± 9.6 %
		Y	4.13	67.33	16.45		130.0	
		Z	4.61	66.55	16.40		130.0	
10584- AAA	IEEE 802,11a/n WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.68	66.80	16.53	0.46	130.0	±9.6%
		Υ	4.17	67.68	16.63		130.0	
		Z	4.64	66.73	16.48		130.0	
10585- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	Х	4.88	67.09	16.70	0.46	130.0	± 9.6 %
		Υ	4.28	67.86	16.75		130.0	
		Z	4.83	67.01	16.65		130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.78	67.27	16.82	0.46	130.0	± 9.6 %
	<u> </u>	Y	4.22	68.05	16.92		130.0	
40		Z	4.73	67.18	16.77		130.0	
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.53	66.48	16.08	0.46	130.0	± 9.6 %
		Y	3.91	66.80	15.89	_	130.0	
40500	LIEFE COO 44 A LAWE - COL COMPANY	Z	4.48	66.37	16.01		130.0	
10588- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.58	66.51	16.09	0.46	130.0	± 9.6 %
<del></del>		Y	3.89	66.66	15.78		130.0	
40500	IFFE 000 44 - 9 MEET 5 OUT (OFFICE 12	Z	4.53	66.42	16.03		130.0	
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.68	67.30	16.76	0.46	130.0	± 9.6 %
		Y	4.14	68.18	16.94	ļ	130.0	
40500	IEEE 000 44 - F INEE E ON CORTA -	Z	4.63	67.21	16.71		130.0	
10590- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.47	66.23	15.85	0.46	130.0	± 9.6 %
		Υ	3.80	66.45	15.61		130.0	
_		Z	4.42	66.12	15.78		130.0	

10591- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duly cycle)	X	4.80	66.69	16.56	0.46	130.0	± 9.6 %
		TY	4.29	67.48	16.65		130.0	
		Z	4.76	66.62	16.52		130.0	
10592-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.96	67.02	16.69	0.46	130.0	± 9.6 %
AAA	MCS1, 90pc duly cycle)	1						
		Y	4.35	67.66	16.74		130.0	
		Z	4.91	66.95	16.65		130.0	
10593- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	×	4.87	66.92	16.57	0.46	130.0	± 9.6 %
		Y	4.28	67.58	16.60		130.0	
		Ż	4.82	66.84	16.52		130.0	
10594-	IEEE 802.11n (HT Mixed, 20MHz,	$-\frac{1}{x}$	4.93	67.10	16.73	0.46	130.0	± 9.6 %
AAA	MCS3, 90pc duty cycle)					0.10		10.0 %
		<u>Y</u>	4.32	67.69	16.75		130.0	
		Z	4.88	67.02	16.68		130.0	
10595- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	Х	4.90	67.04	16.62	0.46	130.0	± 9.6 %
		Y	4.28	67.67	16.66		130.0	
		Z	4.85	66.97	16.57		130.0	
10596-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.83	67.04	16.62	0.46	130.0	± 9.6 %
AAA	MCS5, 90pc duty cycle)		_			1		
	<u> </u>	Y	4.19	67.48	16.58		130.0	
		Z	4.78	66.95	16.57		130.0	
10597- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.78	66.93	16.50	0.46	130.0	± 9.6 %
		Y	4.17	67.42	16.44		130.0	
		Z	4.73	66.84	16.44		130.0	
10598- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	Х	4.77	67.20	16.78	0.46	130.0	± 9.6 %
	incorporation designation and the second	Y	4.23	67.87	16.85		130.0	
		Z	4.72	67.09	16.72		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duly cycle)	X	5.48	67.23	16.77	0.46	130.0	± 9.6 %
7001	inces, sopedaty cycle)	Y	5.11	68.05	17.18		130.0	
	· · · · · · · · · · · · · · · · · · ·	Ż	5.44				130.0	
10600-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.60	67.15 67.61	16.74 16.93	0.46	130.0	± 9.6 %
AAA	MCS1, 90pc duty cycle)						<u></u>	
		Y	5.02	67.79	17.02		130.0	_
		Z	5.57	67.57	16.91		130.0	· ·
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.49	67.38	16.83	0.46	130.0	± 9.6 %
		Y	4.99	67.77	17.04		130.0	
		Ż	5.46	67.31	16.81		130.0	
10602-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.59	67.40	16.75	0.46	130.0	± 9.6 %
AAA	MCS3, 90pc duty cycle)			<del>                                     </del>	1000		1000	
	-	Y	5.00	67.54	16.84		130.0	
40000	IEEE 000 44 WITH 1 101 W	Z	5.57	67.40	16.76		130.0	
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.67	67.72	17.05	0.46	130.0	± 9.6 %
		Y	5.02	67.69	17.07		130.0	
		Z	5.64	67.68	17.04		130.0	† · · · ·
10604- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duly cycle)	X	5.49	67.21	16.78	0.46	130.0	± 9.6 %
	mood, adjointly Gyole)		E 00	67.50	10.00	<del> </del>	100.0	-
	<del> </del>	Y	5.00	67.56	16.96	<b> </b>	130.0	
40005	IEEE 000 44 (UTAS 4 CASS)	Z	5.49	67.27	16.82	0.70	130.0	<del>                                     </del>
10605- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.59	67.50	16.92	0.46	130.0	± 9.6 %
		Y	4.95	67.41	16.89		130.0	
		Z	5.56	67.47	16.92		130.0	
10606- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duly cycle)	X	5.33	66.83	16.44	0.46	130.0	± 9.6 %
7441	inoor, popo daty cycle)	Y	/ DE	67.58	16 91	<del> </del>	120.0	-
	-	Z	4.96		16.81	<del></del>	130.0	<del>                                     </del>
	<u> </u>		5.28	66.72	16.40	<u></u> .	130.0	

10607-	IEEE 802 11ac WiFi (20MHz, MCS0,		101	7 00 00	T 10.10			
AAA	90pc duty cycle)	X	4.64	66.02	16.19	0.46	130.0	± 9.6 %
		Y	4.16	66.91	16.36		130.0	
10608-	IEEE 000 44 WEE (OOALL MOOA	Z	4.60	65.95	16.15		130.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.83	66.42	16.36	0.46	130.0	± 9.6 %
		Y	4.22	67.08	16.44		130.0	
10000		Z	4.78	66.34	16.31		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.71	66.26	16.19	0.46	130.0	± 9.6 %
·		Y	4.14	66.94	16.27		130.0	
10010	IEEE 000 44 - WIE (0014) A 1000	Z	4.67	66.17	16.14		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.77	66.42	16.36	0.46	130.0	± 9.6 %
		Y	4.18	67.09	16.43		130.0	
40044	TEEE 000 44 - NEET (OOM) - NOO (	Z	4.72	66.34	16.31		130.0	
10611- _AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	Х	4.68	66.22	16.20	0.46	130.0	± 9.6 %
		<u>Y</u>	4.10	66.87	16.26		130.0	
10640	IFFE 000 44 WEET (OOK III - MOOT	Z	4.63	66.13	16.14		130.0	
10612- AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	X	4.69	66.36	16.23	0.46	130.0	± 9.6 %
		Y	4.03	66.77	16.18		130.0	
40040	1555 000 44 NPS (00) 11 1 1000	Z	4.63	66.26	16.18		130.0	
10613- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.69	66.24	16.12	0.46	130.0	± 9.6 %
		Y	4.05	66.68	16.06		130.0	
40044	IEEE 000 44 - MEET (00141) MOOT	Z	4.63	66.13	16.05		130.0	
10614- _ <b>AAA</b>	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	Х	4.64	66.46	16.37	0.46	130.0	± 9.6 %
		Y	4.09	67.10	16.44		130.0	
10015		Z	4.59	66.36	16.31		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.68	66.02	15.96	0.46	130.0	± 9.6 %
		Y	4.06	66.66	15.97		130.0	
		Z	4.62	65.94	15.90		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.29	66.48	16.38	0.46	130.0	± 9.6 %
		Y	4.78	66.74	16.52		130.0	
		_ Z	5.26	66.40	16.35		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.36	66.65	16.44	0.46	130.0	± 9.6 %
		Y	4.78	66.75	16.51		130.0	
		Z	5.33	66.60	16.42		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.25	66.67	16.46	0.46	130.0	± 9.6 %
<del></del>		Y	4.72	66.85	16.58	ļ	130.0	
	<del>                                     </del>	Z	5.21	66.61	16.44		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	×	5.26	66.46	16.29	0.46	130.0	± 9.6 %
		Y	4.77	66.81	16.49		130.0	
		Z	5.22	66.38	16.26		130.0	
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	×	5.35	66.50	16.36	0.46	130.0	± 9.6 %
		Y	4.78	66.60	16.41		130.0	
		Z	5.31	66.41	16.33		130.0	_
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.35	66.65	16.56	0.46	130.0	± 9.6 %
		Y	4.83	66.85	16.68		130.0	
10000		Z	5.32	66.59	16.54		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	×	5.37	66.81	16.63	0.46	130.0	± 9.6 %
		Y	4.79	66.84	16.68		130.0	
		Z	5.33	66.74	16.61		130.0	

10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.24	66.32	16.25	0.46	130.0	± 9.6 %
		Y	4.72	66.50	16.34		130.0	
		Z	5.20	66.24	16.22		130.0	
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	Х	5.43	66.52	16.42	0.46	130.0	± 9.6 %
		Υ	4.88	66.72	16.52		130.0	
		Z	5.40	66.45	16.39		130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.79	67.47	16.94	0.46	130.0	± 9.6 %
		Y	5.00	67.06	16.76		130.0	
40000	DEED OOD AL MORE (OOD III ) 1000	Z	5.70	67.26	16.85		130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	Х	5.59	66.53	16.33	0.46	130.0	± 9.6 %
	ļ	Y	5.18	66.57	16.44		130.0	
10627-	IEEE 802.11ac WiFi (80MHz, MCS1,	Z	5.56	66.46	16.31	0.40	130.0	
AAA	90pc duly cycle)		5.83	67.09	16.57	0.46	130.0	± 9.6 %
		Y	5.32	67.03	16.66		130.0	
10628-	IEEE 900 1100 WIEL (90MI - MOCO	Z	5.81	67.05	16.57	0.40	130.0	1008
AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	1	5.62	66.61	16.26	0.46	130.0	± 9.6 %
	<del>                                       </del>	Y	5.14	66.45	16.28		130.0	
10629-	IEEE 000 44 as MEE: (00MH = MOOO	Z	5.58	66.50	16.22	0.10	130.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.69	66.66	16.28	0.46	130.0	± 9.6 %
	<del></del>	Y	5.30	66.90	16.51		130.0	
10630-	IEEE 900 1100 MIE: (00MH = MCCA	Z	5.66	66.57	16.25	0.40	130.0	
AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	Х	6.12	68.14	17.02	0.46	130.0	± 9.6 %
		Ϋ́	5.23	66.85	16.50		130.0	
40004	IEEE OOO 44 MIE! (OO) III DOO	Z	6.06	67.97	16.95		130.0	
10631- AAA	IEEE 802.11ac WIFi (80MHz, MCS5, 90pc duty cycle)	×	6.03	67.99	17.15	0.46	130.0	± 9.6 %
	-	Υ	5.35	67.44	17.00		130.0	
		Z	5.98	67.84	17.09		130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	Х	5.80	67.18	16.76	0.46	130.0	± 9.6 %
	·	Y	5.50	67.84	17.20		130.0	
		<u> </u> Z	5.78	67.15	16.76		130.0	
10633- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	Х	5.68	66.78	16.38	0.46	130.0	±9.6 %
		Υ	5.16	66.59	16.40		130.0	
		Z	5.65	66.69	16.35		130.0	
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.67	66.82	16.47	0.46	130.0	± 9.6 %
		Y	5.24	66.99	16.65		130.0	
10005	IEEE 000 44 MEET (00) HILL AGES	Z	5.63	66.72	16.43		130.0	ļ
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	X	5.54	66.10	15.82	0.46	130.0	± 9.6 %
	<del>-</del>	Y	5.01	65.92	15.79		130.0	ļ
40000	IEEE 4000 44 MEN (1500 H)	Z	5.50	65.99	15.78		130.0	ļ
10636- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.00	66.89	16.41	0.46	130.0	± 9.6 %
		Y	5.65	66.81	16.48		130.0	L
4000-	I I I I I I I I I I I I I I I I I I I	Z	5.98	66.82	16.39	<u> </u>	130.0	ļ
10637- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.16	67.27	16.58	0.46	130.0	± 9.6 %
		Y	5.75	67.13	16.64		130.0	
40000	1	Z	6.14	67.21	16.57		130.0	
10638- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.15	67.24	16.55	0.46	130.0	± 9.6 %
		Υ	5.76	67.17	16.64		130.0	
		Z	6.13	67.17	16.53		130.0	

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

^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





Schweizerischer Kalibrierdienst Service suisse d'étalonnage 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

Accreditation No.: SCS 0108

Client

**PC Test** 

Certificate No: EX3-7410_Jul17

S

## **CALIBRATION CERTIFICATE**

Object

EX3DV4 - SN:7410

Calibration procedure(s)

QA CAL-01.v9, QA CAL-23.v5, QA CAL-25.v6

Calibration procedure for dosimetric E-field probes

BN 8/3/2017

Calibration date:

July 17, 2017

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-17 (No. 217-02521/02522)	Apr-18
Power sensor NRP-Z91	SN: 103244	04-Apr-17 (No. 217-02521)	Apr-18
Power sensor NRP-Z91	SN: 103245	04-Apr-17 (No. 217-02525)	Apr-18
Reference 20 dB Attenuator	SN: S5277 (20x)	07-Apr-17 (No. 217-02528)	Apr-18
Reference Probe ES3DV2	SN: 3013	31-Dec-16 (No. ES3-3013_Dec16)	Dec-17
DAE4	SN: 660	7-Dec-16 (No. DAE4-660_Dec16)	Dec-17
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-16)	In house check: Oct-17

Calibrated by:

Name

Function

Laboratory Technician

Signature

Approved by:

Katja Pokovic

Jeton Kastrati

Technical Manager

Issued: July 17, 2017

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

Glossary:

TSU

tissue simulating liquid

NORMx,y,z

sensitivity in free space sensitivity in TSL / NORMx,y,z

ConvF DCP

diode compression point

CF

crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

A, B, C, D

Polarization of

φ rotation around probe axis

Polarization 9

9 rotation around an axis that is in the plane normal to probe axis (at measurement center),

i.e., 9 = 0 is normal to probe axis

Connector Angle

information used in 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  $\vartheta = 0$  (f  $\leq 900$  MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the 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
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

# Probe EX3DV4

SN:7410

Manufactured: November 24, 2015

Calibrated:

July 17, 2017

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

**Basic Calibration Parameters** 

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ² ) ^A	0.40	0.46	0.43	± 10.1 %
DCP (mV) ^B	95.4	94.7	91.2	

**Modulation Calibration Parameters** 

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Unc ^E (k=2)
0	CW	X	0.0	0.0	1.0	0.00	130.7	±3.5 %
		Y	0.0	0.0	1.0		146.7	
		Z	0.0	0.0	1.0		132.5	

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	Т6
X	41.43	313.6	36.54	8.525	0.381	5.024	0.000	0.467	1.003
Y	41.67	315.5	36.57	10.32	0.000	5.055	0.334	0.426	1.004
Z	51.58	393.9	37.05	11.42	0.427	5.066	0.000	0.561	1.006

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

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

B Numerical linearization parameter: uncertainty not required.

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

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	10.60	10.60	10.60	0.53	0.80	± 12.0 %
835	41.5	0.90	10.08	10.08	10.08	0.41	0.98	± 12.0 %
1750	40.1	1.37	8.66	8.66	8.66	0.41	0.82	± 12.0 %
1900	40.0	1.40	8.37	8.37	8.37	0.28	1.19	± 12.0 %
2300	39.5	1.67	8.02	8.02	8.02	0.35	0.80	± 12.0 %
2450	39.2	1.80	7.68	7.68	7.68	0.33	0.89	± 12.0 %
2600	39.0	1.96	7.42	7.42	7.42	0.40	0.80	± 12.0 %

 $^{^{\}rm C}$  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. Above 5 GHz frequency validity can be extended to  $\pm$  110 MHz.

validity can be extended to ± 110 MHz.

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.

GAlpha/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.

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

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.19	10.19	10.19	0.33	1.02	± 12.0 %
835	55.2	0.97	9.95	9.95	9.95	0.50	0.80	± 12.0 %
1750	53.4	1.49	8.32	8.32	8.32	0.39	0.86	± 12.0 %
1900	53.3	1.52	7.98	7.98	7.98	0.44	0.86	± 12.0 %
2300	52.9	1.81	7.85	7.85	7.85	0.44	0.84	± 12.0 %
2450	52.7	1.95	7.69	7.69	7.69	0.37	0.89	± 12.0 %
2600	52.5	2.16	7.43	7.43	7.43	0.28	0.99	± 12.0 %

^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. Above 5 GHz frequency validity can be extended to  $\pm$  110 MHz.

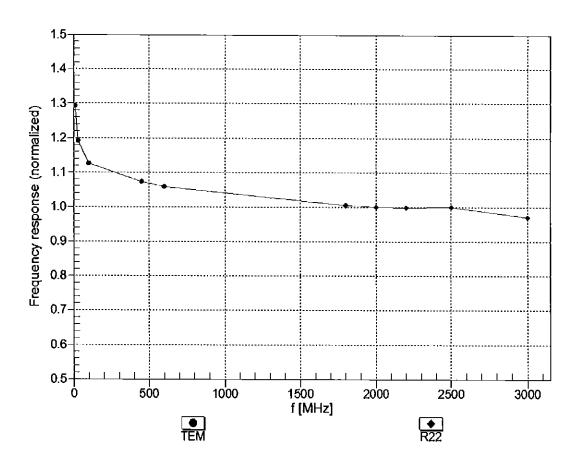
validity can be extended to ± 110 MHz.

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.

the ConvF uncertainty for indicated target tissue parameters.

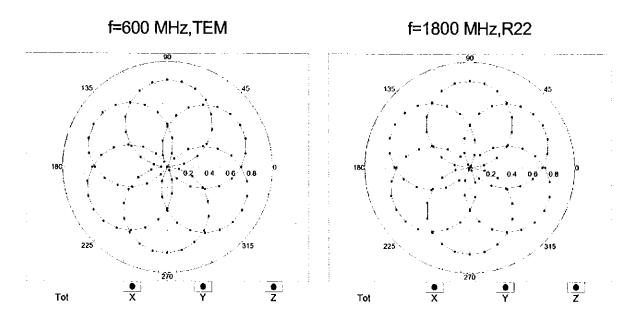
Galpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

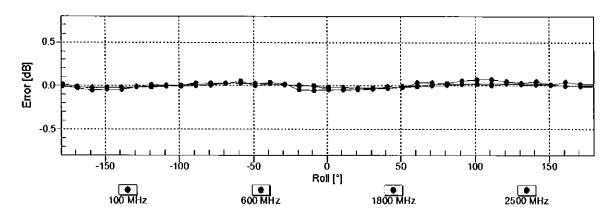
# Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

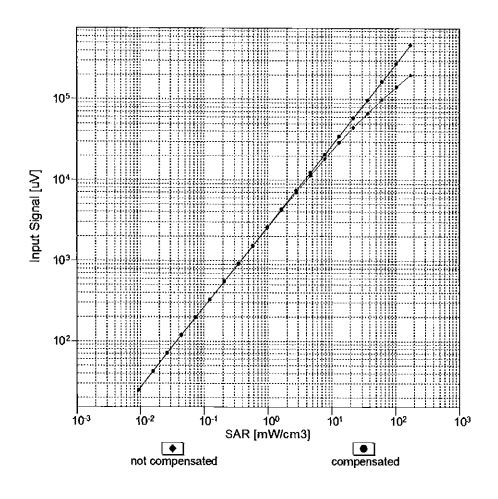
## Receiving Pattern ( $\phi$ ), $\vartheta = 0^{\circ}$

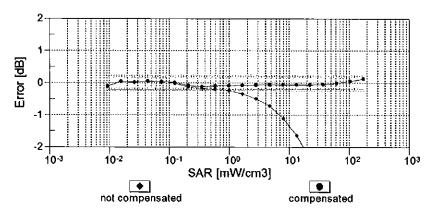




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

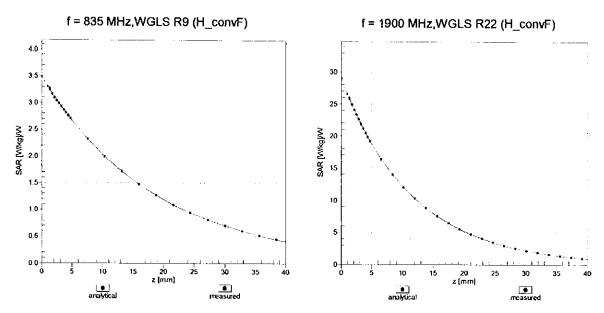
## Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



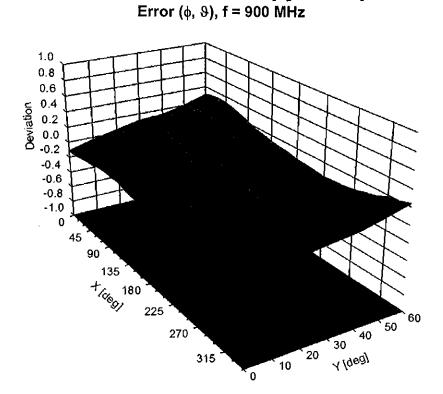


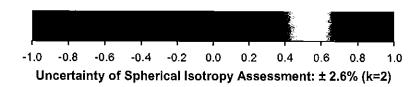
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

### **Conversion Factor Assessment**



Deviation from Isotropy in Liquid





#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle (°)	1.2
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

**Appendix: Modulation Calibration Parameters** 

ÚIĎ	x: Modulation Calibration Paran Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max Unc ^E (k=2)
0	CW	Х	0.00	0.00	1.00	0.00	130.7	± 3.5 %
		Υ	0.00	0.00	1.00		146.7	
		Z	0.00	0.00	1.00		132.5	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	×	2.07	65.38	9.86	10.00	20.0	± 9.6 %
		Y	1.71	64.71	9.07		20.0	
10011	LINETO EDD AVODAM	Z	3.44	71.14	12.92	0.00	20.0	1000
10011- CAB	UMTS-FDD (WCDMA)	X	1.05	67.82	15.62	0.00	150.0	± 9.6 %
	_	Y	1,11	68.91	16.28		150.0	
10010	1555 000 44h WEELO 4 OLL- (DOOD 4	Z	1.02	66.59	14.94 15.28	0.44	150.0 150.0	± 9.6 %
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	X	1.16	63.70		0.41 		19.0 %
		Y	1.18	64.10	15.65		150.0	
40040	JEEE 000 44 # JEEE 0 4 OLD (D000	Z	1.17 4.78	63.41	15.09 17.05	1.46	150.0 150.0	± 9.6 %
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	X		66.61		1.40		£ 9.0 %
		Υ	4.80	66.74	17.21		150.0	
10021-	GSM-FDD (TDMA, GMSK)	Z	4.93 100.00	66.52 111.37	17.11 25.72	9.39	150.0 50.0	± 9.6 %
DAC	-	Υ	100.00	111.58	25.35		50.0	
		Z	100.00	117.02	28.59		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	X	100.00	110.83	25.53	9.57	50.0	± 9.6 %
DAC		Υ	1707.76	142.54	31.32		50.0	
	-	Z	100.00	116.46	28.39		50.0	
10024- DAÇ	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	111.84	24.81	6.56	60.0	± 9.6 %
27.10		Y	100.00	114.48	25.68		60.0	
		Z	100.00	118.35	28.09		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	3.46	65.17	23.20	12.57	50.0	± 9.6 %
		Υ	5.27	82.06	33.95		50.0	
		Z	3.61	65.78	23.81		50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	Х	6.19	83.69	29.67	9.56	60.0	± 9.6 %
		Υ	7.27	90.43	33.46		60.0	
<del></del>		Z	7.46	87.49	31.34	4.00	60.0	1000
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	114.23	25.06	4.80	80.0	± 9.6 %
		Y	100.00	119.65	27.19		80.0	1
10028-	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	121.09 118.39	28.48 26.12	3.55	80.0 100.0	± 9.6 %
DAC		<del>   </del>	100.00	127.35	29.74	<del> </del>	100.0	1
	<del></del>	Y 7	100.00	127.35	29.74		100.0	-
10020	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	Z X	4.31	75.70	25.15	7.80	80.0	± 9.6 %
10029- DAC	EDGE-FDD (TDINIA, OFSK, TN 0-1-2)	Y	4.62	78.76	27.21	.50	80.0	20.070
_		Z	5.10	78.80	26.60	1	80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	110.42	23.70	5.30	70.0	± 9.6 %
J/ V1		Y	100.00	113.76	24.95		70.0	
		T Z	100.00	117.44	27.22		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Х	100.00	118.50	24.77	1.88	100.0	± 9.6 %
<del></del>		Y	100.00	132.66	30.37		100.0	
		Z	100.00	126.29	28.44		100.0	

10034- IEEE 8 CAA DH3)  10035- CAA DH5)  10036- CAA  10037- CAA  10038- CAA  10038- CAA  10048- CAB  10048- CAA  10049- DECT (	802.15.1 Bluetooth (PI/4-DQPSK,  802.15.1 Bluetooth (PI/4-DQPSK,  802.15.1 Bluetooth (PI/4-DQPSK,  802.15.1 Bluetooth (8-DPSK, DH1)  802.15.1 Bluetooth (8-DPSK, DH3)  802.15.1 Bluetooth (8-DPSK, DH5)	Y Z X Y Z X Y Z X Y Y Z X Y Y Z X Y Y Z X Y Y Z X Y Y Z X Y Y Z X X Y Y Z X X Y Y Z X X Y Y X X Y Y X X Y Y X X Y Y X X Y Y X X Y Y X X Y Y X X X Y Y X X X Y Y X X X Y Y X X X Y Y X X X Y Y X X X Y Y X X X X Y Y X X X X Y Y X X X X Y Y X X X X Y Y X X X X Y Y X X X X X Y Y X X X X X X Y X X X X X X X X X X X X X X X X X X X X	100.00 100.00 8.66 61.92 18.44 2.66 4.91 3.14 1.87 2.71 2.01 12.89 100.00 33.52 2.40	157.48 136.04 91.15 124.81 105.53 76.47 85.76 79.12 72.76 78.22 73.50 97.56 133.04 115.95	38.89 31.29 24.16 33.89 29.79 17.66 21.28 19.77 15.96 18.36 17.25 26.18	5.30 1.88 1.17	100.0 100.0 70.0 70.0 100.0 100.0 100.0 100.0 100.0 70.0	± 9.6 % ± 9.6 % ± 9.6 %
10034- IEEE 8 CAA DH3)  10035- IEEE 8 CAA DH5)  10036- IEEE 8 CAA IEEE 8 10037- CAA  10038- CAA  10039- CDMA CAB DQPSI  10042- IS-54 / CAB DQPSI  10044- CAA IS-91/E CAA IO049- DECT (	802.15.1 Bluetooth (PI/4-DQPSK,  802.15.1 Bluetooth (PI/4-DQPSK,  802.15.1 Bluetooth (8-DPSK, DH1)  802.15.1 Bluetooth (8-DPSK, DH3)	X	8.66 61.92 18.44 2.66 4.91 3.14 1.87 2.71 2.01 12.89 100.00 33.52	91.15 124.81 105.53 76.47 85.76 79.12 72.76 78.22 73.50 97.56 133.04	24.16 33.89 29.79 17.66 21.28 19.77 15.96 18.36 17.25 26.18 35.90	1.88	70.0 70.0 70.0 100.0 100.0 100.0 100.0 100.0 100.0 70.0	± 9.6 %
10034- IEEE 8 CAA DH3)  10035- IEEE 8 CAA DH5)  10036- CAA  10037- CAA  10038- CAA  10039- CDMA CAB  10042- CAB DQPSI  10044- CAA  10048- CAA  10048- CAA  10049- DECT (	802.15.1 Bluetooth (PI/4-DQPSK,  802.15.1 Bluetooth (PI/4-DQPSK,  802.15.1 Bluetooth (8-DPSK, DH1)  802.15.1 Bluetooth (8-DPSK, DH3)	Y   Z   X   Y   Z   X   Y   Z   X   Y   Z   X   Y   Z   X   Y   Z   X   Y   Z   X   Y   Y   Z   X   Y   Y   X   Y   Y   X   Y   Y   X   Y   Y	61.92 18.44 2.66 4.91 3.14 1.87 2.71 2.01 12.89 100.00 33.52	124.81 105.53 76.47 85.76 79.12 72.76 78.22 73.50 97.56	33.89 29.79 17.66 21.28 19.77 15.96 18.36 17.25 26.18	1.88	70.0 70.0 100.0 100.0 100.0 100.0 100.0 100.0 70.0	± 9.6 %
10035-	802.15.1 Bluetooth (PI/4-DQPSK, B02.15.1 Bluetooth (8-DPSK, DH1) B02.15.1 Bluetooth (8-DPSK, DH3) B02.15.1 Bluetooth (8-DPSK, DH3)	Z   X   Y   Z   X   Y   Z   X   Y   Z   X   Y   Z   X   Y   T   T   T   T   T   T   T   T   T	18.44 2.66 4.91 3.14 1.87 2.71 2.01 12.89 100.00 33.52	105.53 76.47 85.76 79.12 72.76 78.22 73.50 97.56	29.79 17.66 21.28 19.77 15.96 18.36 17.25 26.18	1.17	70.0 100.0 100.0 100.0 100.0 100.0 100.0 70.0	± 9.6 %
10035- IEEE 8 CAA IEEE 8 10036- CAA 10037- IEEE 8 10038- CAA 10039- CDMA 10042- CAB DQPSI 10044- CAA IS-91/E CAA IS-91/E CAA IS-91/E CAA IO049- DECT (	802.15.1 Bluetooth (PI/4-DQPSK, B02.15.1 Bluetooth (8-DPSK, DH1) B02.15.1 Bluetooth (8-DPSK, DH3) B02.15.1 Bluetooth (8-DPSK, DH3)	X Y Z X Y Z X Y Z X Y Z X	2.66 4.91 3.14 1.87 2.71 2.01 12.89 100.00 33.52	76.47 85.76 79.12 72.76 78.22 73.50 97.56	17.66 21.28 19.77 15.96 18.36 17.25 26.18	1.17	100.0 100.0 100.0 100.0 100.0 100.0 70.0	± 9.6 %
10035- IEEE 8 CAA IEEE 8 10036- CAA 10037- IEEE 8 10038- CAA 10039- CDMA 10042- CAB DQPSI 10044- CAA IS-91/E CAA IS-91/E CAA IS-91/E CAA IO049- DECT (	802.15.1 Bluetooth (PI/4-DQPSK, B02.15.1 Bluetooth (8-DPSK, DH1) B02.15.1 Bluetooth (8-DPSK, DH3) B02.15.1 Bluetooth (8-DPSK, DH3)	Y Z X Y Z X Y Y Z X	4.91 3.14 1.87 2.71 2.01 12.89 100.00 33.52	85.76 79.12 72.76 78.22 73.50 97.56	21.28 19.77 15.96 18.36 17.25 26.18	1.17	100.0 100.0 100.0 100.0 100.0 70.0	± 9.6 %
10036- CAA IEEE 8 10037- CAA IEEE 8 10038- CAA IEEE 8 10039- CAA IEEE 8 10042- CAB DQPSI 10044- CAA IS-91/E CAA IS-91/E	802.15.1 Bluetooth (8-DPSK, DH1) 802.15.1 Bluetooth (8-DPSK, DH3) 802.15.1 Bluetooth (8-DPSK, DH5)	Z X Y Z X Y Z X	3.14 1.87 2.71 2.01 12.89 100.00 33.52	79.12 72.76 78.22 73.50 97.56	19.77 15.96 18.36 17.25 26.18		100.0 100.0 100.0 100.0 70.0	
10036- CAA IEEE 8 10037- CAA IEEE 8 10038- CAA IEEE 8 10039- CAA IEEE 8 10049- IS-54 / DQPSI 10044- CAA IS-91/E CAA IS-91/E	802.15.1 Bluetooth (8-DPSK, DH1) 802.15.1 Bluetooth (8-DPSK, DH3) 802.15.1 Bluetooth (8-DPSK, DH5)	X Y Z X Y Z X	1.87 2.71 2.01 12.89 100.00 33.52	72.76 78.22 73.50 97.56	15.96 18.36 17.25 26.18		100.0 100.0 100.0 70.0	
10037- IEEE 8 10038- CAA 10039- CDMA 10042- CAB 10044- CAA 10048- CAA 10048- CAA 10049- DECT (	802.15.1 Bluetooth (8-DPSK, DH3) 802.15.1 Bluetooth (8-DPSK, DH5)	Z X Y Z X	2.01 12.89 100.00 33.52	73.50 97.56 133.04	17.25 26.18 35.90	5.30	100.0 70.0	± 9.6 %
10037- IEEE 8 10038- CAA 10039- CDMA 10042- CAB 10044- CAA 10048- CAA 10048- CAA 10049- DECT (	802.15.1 Bluetooth (8-DPSK, DH3) 802.15.1 Bluetooth (8-DPSK, DH5)	X Y Z X	12.89 100.00 33.52	73.50 97.56 133.04	17.25 26.18 35.90	5.30	100.0 70.0	± 9.6 %
10037- IEEE 8 10038- CAA 10039- CDMA 10042- CAB 10044- CAA 10048- DECT ( Slot, 24 10049- DECT (	802.15.1 Bluetooth (8-DPSK, DH3) 802.15.1 Bluetooth (8-DPSK, DH5)	Y Z X	100.00 33.52	133.04	26.18 35.90	5.30	70.0	± 9.6 %
10038- IEEE 8 CAA  10039- CDMA CAB  10042- IS-54 / DQPSI  10044- CAA  10048- DECT ( Slot, 24	802.15.1 Bluetooth (8-DPSK, DH5)	Z X Y	33.52					<u> </u>
10038- IEEE 8 10039- CDMA CAB 10042- IS-54 / DQPSI 10044- CAA 10048- DECT ( Slot, 24	802.15.1 Bluetooth (8-DPSK, DH5)	X		115.95		Ī	70.0	
10038- IEEE 8 10039- CDMA CAB 10042- IS-54 / DQPSI 10044- CAA 10048- DECT ( Slot, 24	802.15.1 Bluetooth (8-DPSK, DH5)	Y	2.40		32.67		70.0	
10039- CDMA CAB  10042- IS-54 / DQPSI  10044- CAA  10048- DECT ( Slot, 24			<u> </u>	75.20	17.16	1.88	100.0	± 9.6 %
10039- CDMA CAB  10042- IS-54 / DQPSI  10044- CAA  10048- DECT ( Slot, 24			4.17	83.65	20.57		100.0	
10039- CDMA CAB  10042- IS-54 / DQPSI  10044- CAA  10048- DECT ( Slot, 24		Z	2.91	78.15	19.38		100.0	
10042- IS-54 / CAB DQPSI 10044- CAA IS-91/E CAA DECT ( Slot, 22	2000 (1vRTT_RC4)	X	1.89	73.11	16.24	1.17	100.0	± 9.6 %
10042- IS-54 / CAB DQPSI 10044- CAA IS-91/E CAA DECT ( Slot, 22	2000 (1xRTT RC4)	Y	2.73	78.67	18.67		100.0	
10042- IS-54 / CAB DQPSI 10044- CAA IS-91/E CAA DECT ( Slot, 22		Z	2.03	73.85	17.51		100.0	
10044- CAA IS-91/E CAA DECT ( CAA Slot, 24			1.93	73.30	15.79	0.00	150.0	± 9.6 %
10044- CAA IS-91/E CAA DECT ( CAA Slot, 24		Y	2.16	74.82	16.50		150.0	
10044- CAA IS-91/E 10048- DECT ( CAA Slot, 24	IS-136 FDD (TDMA/FDM, PI/4- K, Halfrate)	Z X	1.82 100.00	71.39 108.18	15.74 23.51	7.78	150.0 50.0	± 9.6 %
10048- DECT (CAA Slot, 24	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Y	100.00	100 75	00.44			
10048- DECT (CAA Slot, 24		z'	100.00	108.75	23.44		50.0	
CAA Slot, 24 10049- DECT (	EIA/TIA-553 FDD (FDMA, FM)	X	0.00	97.63	26.32 1.20	0.00	50.0 150.0	± 9.6 %
CAA Slot, 24		Y	0.00	97.90	0.75		150.0	
CAA Slot, 24 10049- DECT (		Z	0.00	95.09	2.63		150.0	
	(TDD, TDMA/FDM, GFSK, Full 4)	X	29.38	92.85	22.01	13.80	25.0	± 9.6 %
,		Y	100.00	106.19	24.33		25.0	
	(TD =	Z	100.00	113.54	28.60		25.0	
CAA Slot, 12	(TDD, TDMA/FDM, GFSK, Double 2)	X	92.32	108.50	25.07	10.79	40.0	± 9.6 %
		Υ	100.00	108.13	24.14		40.0	
10056- UMTS-	TDD/TD SCDUA 4 CO.	Z	100.00	114.66	27.93		40.0	
CAA OWIS-	TDD (TD-SCDMA, 1.28 Mcps)	X	28.80	103.53	27.62	9.03	50.0	± 9.6 %
		Υ	100.00	125.87	33.73		50.0	
10058- EDGE-	FDD (TDMA, 8PSK, TN 0-1-2-3)	Z	90.56	125.80	34.77		50.0	
DAC		X	3.55	72.15	22.79	6.55	100.0	± 9.6 %
		Y	3.72	74.09	24.21		100.0	
10059- IEEE 80 CAB Mbps)	02.11b WiFi 2.4 GHz (DSSS, 2	X	4,11 1.17	74.59 64.52	23.97 15.76	0.61	100.0 110.0	± 9.6 %
		Υ	1.20	65.09	16.25		110.0	
10000		Z	1.19	64.38	15.68		110.0	
10060- IEEE 80 CAB Mbps)		Х	5.38	97.28	26.54	1.30	110.0	± 9.6 %
	02.11b WiFi 2.4 GHz (DSSS, 5.5	Y	94.12	145.74	39.06	<del></del> }	110.0	
	02.11b WiFi 2.4 GHz (DSSS, 5.5	z	7.25	100.99	27.69		110.0	

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	2.03	75.84	20.79	2.04	110.0	± 9.6 %
<u></u>		TY	2.53	80.86	23.32		110.0	
		ż	2.46	78.49	22.05		110.0	
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.60	66.68	16.54	0.49	100.0	± 9.6 %
		Y	4.62	66.77	16.65		100.0	
		Z	4.74	66.54	16.54		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.61	66.74	16.62	0.72	100.0	± 9.6 %
		Y	4.63	66.85	16.75		100.0	
		Z	4.75	66.63	16.64		100.0_	
10064- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	4.88	66.97	16.83	0.86	100.0	± 9.6 %
		Υ	4.90	67.08	16.96		100.0	
		Z	5.06	66.93	16.89		100.0	
10065- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.74	66.82	16.90	1.21	100.0	± 9.6 %
		Υ	4.76	66.95	17.05		100.0	
		Z	4.91	66.81	16.98		100.0	
10066- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.74	66.80	17.04	1.46	100.0	± 9.6 %
		Y	4.77	66.94	17.21		100.0	<u> </u>
		Z	4.93	66.83	17.15		100.0	
10067- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.03	66.98	17.46	2.04	100.0	± 9.6 %
		Y	5.05	67.14	17.66		100.0	ļ
		Z	5.21	66.94	17.57		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.05	66.91	17.63	2.55	100.0	± 9.6 %
		Υ	5.07	67.08	17.84		100.0	
		Z	5.27	67.04	17.82		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.12	66.93	17.81	2.67	100.0	± 9.6 %
		Y	5.15	67.10	18.04		100.0	ļ <u>.</u>
		Z	5.34	66.99	17.99		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	Х	4.86	66.65	17.32	1.99	100.0	± 9.6 %
		Y	4.89	66.79	17.50		100.0	
		Z	5.01	66.60	17.41		100.0	<u> </u>
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.82	66.89	17.50	2.30	100.0	± 9.6 %
		Y.	4.84	67.05	17.70		100.0	
		Z	4.99	66.92	17.63		100.0	<u> </u>
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	X	4.86	67.00	17.79	2.83	100.0	± 9.6 %
		Y	4.89	67.17	18.02	ļ	100.0	<del>                                     </del>
	<u> </u>	Z	5.04	67.03	17.94	<u> </u>	100.0	<del> </del>
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	4.85	66.87	17.91	3.30	100.0	± 9.6 %
		Υ	4.86	67.04	18.15	<u> </u>	100.0	<u> </u>
		Z	5.01	66.88	18.08		100.0	<u> </u>
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4.86	66.89	18.16	3.82	90.0	± 9.6 %
	<u> </u>	ŢΥ	4.87	67.06	18.42_		90.0	ļ
		Z	5.04	67.00	18.40		90.0	<u> </u>
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	4.88	66.70	18.29	4.15	90.0	± 9.6 %
		Y	4.89	66.85	18.55	<b></b>	90.0	ļ
		Z	5.03	66.71	18.47	<u> </u>	90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	X	4.91	66.76	18.38	4.30	90.0	± 9.6 %
	<u> </u>	Y	4.91	66.91	18.65		90.0	
h		Z	5.05	66.76	18.56		90.0	

10081- CAB	CDMA2000 (1xRTT, RC3)	Х	0.83	66.43	12.40	0.00	150.0	± 9.6 %
		Y	0.90	67.46	13.02		150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	$\frac{1}{X}$	0.87 0.60	65.72 60.00	12.74 4.03	4.77	150.0 80.0	± 9.6 %
		Y	1.74	63.67	4.99	+-	80.0	<del>                                      </del>
10090-	CDDS CDD (TDMA CMS)( TWO	Z	0.50	57.10	2.51		80.0	<del>                                     </del>
DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	X	100.00	111.84	24.82	6.56	60.0	± 9.6 %
	<del></del>	Y	100.00	114.47	25.69		60.0	
10097- CAB	UMTS-FDD (HSDPA)	Z X	1.87	118.36 68.36	28.12 15.98	0.00	60.0 150.0	± 9.6 %
		Y	1.92	68.79	16.27	<del> </del>	150.0	<del>                                     </del>
10098-	LIMTO FDD (HOUR)	Z	1.83	67.16	15.53		150.0	<del>                                     </del>
CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.83	68.30	15.96	0.00	150.0	± 9.6 %
		Y	1.88	68.76	16.25		150.0	
10099-	EDGE-FDD (TDMA, 8PSK, TN 0-4)	Z	1.79 6.23	67.10	15.49		150.0	
DAC	(-1,1,1,0,1,0,1,1,1,0,1,1,1,1,1,1,1,1,1,1	Y	7.34	83.81	29.72	9.56	60.0	± 9.6 %
		<u>                                   </u>	7.51	90.66 87.64	33.54	<del> </del>	60.0	
10100-	LTE-FDD (SC-FDMA, 100% RB, 20	1 <del>x</del>	3.10	70.42	31.39 16.91	0.00	60.0 150.0	1000
CAC	MHz, QPSK)	Y	3.17	70.79	17.14	0.00		± 9.6 %
		Z	3.14	69.95	16.56	<u> </u>	150.0 150.0	<u> </u>
10101- CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	Х	3.21	67.53	16.05	0.00	150.0	± 9.6 %
		Y	3.24	67.71	16.18		150.0	
10102- CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	Z	3.28 3.31	67.33 67.53	15.89 16.15	0.00	150.0 150.0	± 9.6 %
	WITE, 04-QAW)	Y	3.34	67.67	16.26		150.0	
10103-	LTE-TDD (SC-FDMA, 100% RB, 20	_ <u>Z</u>	3.39	67.31	16.00		150.0	
CAC	MHz, QPSK)	X	5.23	73.47	19.72	3.98	65.0	± 9.6 %
		Y	5.84	75.95	21.01		65.0	
10104-	LTE-TDD (SC-FDMA, 100% RB, 20	$\frac{1}{X}$	5.88 5.46	74.83 71.98	20.39		65.0	
CAC	MHz, 16-QAM)	Y	5.63		19.77	3.98	65.0	± 9.6 %
		Z	6.00	73.01 73.07	20.49 20.39		65.0	
10105- CAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	Х	5.42	71.61	19.91	3.98	65.0 65.0	± 9.6 %
		Y	5.43	72.06	20.36		65.0	
10108-	LTE-FDD (SC-FDMA, 100% RB, 10	Z	5.47	71.05	19.77		65.0	
CAD	MHz, QPSK)	X	2.70	69.72	16.76	0.00	150.0	± 9.6 %
		Y	2.76	70.10	16.99		150.0	
10109-	LTE-FDD (SC-FDMA, 100% RB, 10	ZX	2. <b>7</b> 5 2.86	69.19 67.48	16.39	-0.00	150.0	
CAD	MHz, 16-QAM)	Y	2.89	67.67	15.96	0.00	150.0	± 9.6 %
		ż	2.94	67.16	16.11 15.80		150.0	
10110- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	2.18	68.93	16.34	0.00	150.0 150.0	± 9.6 %
		Y	2.24	69.40	16.63		150.0	
10111-	LTE-FDD (SC-FDMA, 100% RB, 5 MHz,	Z	2.24	68.24	15.99		150.0	
CAD	16-QAM) 16-QAM	X	2.61	68.71	16.36	0.00	150.0	± 9.6 %
		Y	2.63	68.84	16.47		150.0	
	<del></del>	Z	2.65	67.91	16.10		150.0	

10112-	LTE-FDD (SC-FDMA, 100% RB, 10	Х	2.99	67.52	16.03	0.00	150.0	± 9.6 %
CAD	MHz, 64-QAM)		2.04	07.07	10.45		450.0	
		Y	3.01	67.67	16.15		150.0	
40442	LTE EDD (CC EDMA 4000) DD E MU-	Z	3.06	67.16	15.86	0.00	150.0	± 9.6 %
10113- CAD	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	Х	2.77	68.89	16.50	0.00	150.0	
		Y	2.78	68.97	16.58		150.0	
		Z	2.81	68.06	16.24		150.0	
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	Х	5.09	67.23	16.55	0.00	150.0	± 9.6 %
		Υ	5.10	67.28	16.60		150.0	
		Z	5.19	67.11	16.46		150.0	ı
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.34	67.29	16.58	0.00	150.0	± 9.6 %
		Υ	5.35	67.33	16.63		150.0	
		Ζ	5.51	67.33	16.58		150.0	
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	Х	5.18	67.42	16.57	0.00	150.0	± 9.6 %
		Y	5.19	67.47	16.62		150.0	
	<del> </del>	Ž	5.30	67.34	16.50		150.0	
10117-	IEEE 802.11n (HT Mixed, 13.5 Mbps,	X	5.06	67.11	16.50	0.00	150.0	± 9.6 %
CAB	BPSK)	Y	5.07	67.16	16.56		150.0	
	-	z	5.16	66.99	16.42		150.0	
10110	IEEE 802.11n (HT Mixed, 81 Mbps, 16-	X	5.42	67.49	16.69	0.00	150.0	± 9.6 %
10118- CAB	QAM)					0.00		± 9.0 %
		Y	5.44	67.54	16.74		150.0	-
		Z	5.60_	67.55	16.70	0.00	150.0	
10119- CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.16	67.38	16.56	0.00	150.0	± 9.6 %
		Υ	5.17	67.43	16.62		150.0	
		Z	5.27	67.27	16.48		150.0	
10140- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.34	67.53	16.06	0.00	150.0	±9.6 %
		Y	3.37	67.68	16.18		150.0	
		Z	3.42	67.31	15.91		150.0	
10141- CAC	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.47	67.67	16.25	0.00	150.0	± 9.6 %
		Y	3.49	67.79	16.35		150.0	
	-	Z	3.55	67.42	16.09		150.0	
10142- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	1.97	69.09	15.95	0.00	150.0	± 9.6 %
	a. o.r.y	Y	2.03	69.63	16.28		150.0	
	<u> </u>	Ż	2.02	68.20	15.69		150.0	
10143- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	2.49	69.65	15.98	0.00	150.0	± 9.6 %
U, 10		Y	2.52	69.83	16.12		150.0	
	<del> </del>	Ż	2.51	68.62	15.86	<u> </u>	150.0	
10144- CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	2.16	66.67	13.99	0.00	150.0	± 9.6 %
		Y	2.21	66.99	14.22	1	150.0	
		Z	2.30	66.43	14.30	<u> </u>	150.0	1
10145- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	1.07	64.11	10.67	0.00	150.0	± 9.6 %
טעט	minz, on ony	T	1.11	64.57	11.01		150.0	1
	<del>-</del>	<u> </u>	1.31	65.51	12.40		150.0	<del>                                     </del>
10146-	LTE-FDD (SC-FDMA, 100% RB, 1.4	X	1.34	62.65	9.02	0.00	150.0	± 9.6 %
CAD	MHz, 16-QAM)	T Y	1.43	63.27	9.42	<del>                                     </del>	150.0	1
	<del></del>			66.35	12.18		150.0	+
40447	LTC EDD (CC EDMA 4000/ DD 4.4	Z   X	2.01		9.57	0.00	150.0	± 9.6 %
10147- CAD	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)		1.45	63.47		0.00	_	2 9.0 %
		<u> </u>	1.57	64.27	10.06	ļ	150.0	<b>_</b>
	T. Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con	l z	2.34	68.34	13.28	1	150.0	•

10149- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	2.87	67.55	16.01	0.00	150.0	± 9.6 %
		TY	2.90	67.73	16.15	<del>                                     </del>	150.0	<del> </del>
		Z	2.95	67.22	15.84	╁╴	150.0	<del> </del> -
10150- CAC	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	3.00	67.58	16.08	0.00	150.0	± 9.6 %
		Y	3.02	67.73	16.20		150.0	
40454		Z	3.07	67.21	15.90		150.0	
10151- CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	×	5.65	76.57	21.08	3.98	65.0	± 9.6 %
	<del></del>	Υ	6.17	78.83	22.29		65.0	
10152-	LTE TDD (CO FD) A 500 DD 00 LUI	Z	6.35	77.82	21.74		65.0	
CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	4.98	71.84	19.37	3.98	65.0	± 9.6 %
	<del>                                      </del>	<u> </u>	5.18	73.09	20.20		65.0	
10153-	LTE TOD (CC EDMA 500) DD CO MIL	Z	5.53	73.00	20.11		65.0	
CAC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	5.35	72.93	20.23	3.98	65.0	± 9.6 %
		Y	5.53	74.06	20.99		65.0	
10154	LITE EDD (CC EDIA 500) DE 46 1	Z	5.88	73.94	20.90		65.0	
10154- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.24	69.40	16.63	0.00	150.0	± 9.6 %
	<del></del>	Υ	2.29	69.81	16.88		150.0	
10155-	LTC EDD (OC ED) (1	Z	2.29	68.69	16.27		150.0	
CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	2.62	68.74	16.38	0.00	150.0	± 9.6 %
		Υ	2.64	68.87	16.49		150.0	<del>                                     </del>
40450		Ζ	2.65	67.91	16.11		150.0	<u> </u>
10156- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	Х	1.81	69.21	15.68	0.00	150.0	± 9.6 %
		Y	1.88	69.80	16.04		150.0	<del>                                     </del>
<del></del> -		Z	1.87	68.31	15.53		150.0	
10157- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	2.01	67.27	13.98	0.00	150.0	± 9.6 %
		Y	2.06	67.66	14,24		150.0	<del></del>
		Z	2.13	67.00	14.37		150.0	
10158- CAD	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.78	68.97	16.55	0.00	150.0	± 9.6 %
		Υ	2.79	69.05	16.63		150.0	<del>-</del>
<del></del>		Z	2.81	68.12	16.28		150.0	
10159- CAD	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	2.12	67.76	14.27	0.00	150.0	± 9.6 %
	<del></del>	Υ	2.17	68.10	14.50		150.0	
10100	LTC CDD (00 Toxis Toxis	Z	2.25	67.49	14.68		150.0	
10160- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	2.73	68.96	16.55	0.00	150.0	± 9.6 %
	<del> </del>	Y	2.78	69.27	16.76		150.0	
10161	LTE EDD (OO ED)	Z	2.78	68.34	16.22		150.0	
10161- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	Х	2.89	67.56	16.00	0.00	150.0	± 9.6 %
		Y	2.92	67.72	16.12		150.0	
40400	LTE EDD (OA ED)	Z	2.97	67.14	15.84		150.0	
10162- CAC	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	Х	3.00	67.76	16.13	0.00	150.0	± 9.6 %
		Υ	3.03	67.89	16.24		150.0	
40400	LTE EDD (OC TOTAL)	Ζ	3.08	67.27	15.94		150.0	
101 <del>6</del> 6- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	3.29	68.55	18.62	3.01	150.0	± 9.6 %
		Υ	3.39	69.14	19.00		150.0	
10107	LTE EDD (OO == · · ·	Z	3.56	68.77	18.74		150.0	
10167- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	Х	3.85	70.83	18.84	3.01	150.0	± 9.6 %
		Υ	4.06	71.87	19.39		150.0	
		Ż		71.07	10.00		1300	

10168- CAD	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	4.31	73.34	20.36	3.01	150.0	± 9.6 %
OAD	OF GAIN)	Y	4.51	74.19	20.77		150.0	
		Z	4.72	73.40	20.38		150.0	
10169- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	Х	2.65	67.07	17.95	3.01	150.0	± 9.6 %
	-	Υ	2.76	67.90	18.46		150.0	
		z	2.95	68.18	18.47		150.0	
10170- CAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	3.35	71.83	19.98	3.01	150.0	± 9.6 %
	-	Y	3.58	73.08	20.56		150.0	
		Z	3.90	73.37	20.58		150.0	
10171- AAC	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	2.80	68.11	17.24	3.01	150.0	± 9.6 %
		Y	3.01	69.49	17.99		150.0	
•	· · · · · · · · · · · · · · · · · · ·	Z	3.23	69.44	17.85		150.0	
10172- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.65	76.31	22.99	6.02	65.0	± 9.6 %
		Y	5.48	85.89	27.40		65.0	
		z	5.55	83.03	25.87		65.0	
10173-	LTE-TDD (SC-FDMA, 1 RB, 20 MHz,	X	6.66	85.15	24.55	6.02	65.0	± 9.6 %
CAC	16-QAM)					0.02		±9.0 %
		Y	10.56	95.03	28.43	1	65.0	
	<u> </u>	Z	12.26	94.72	28.10		65.0	
10174- CAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	Х	4.93	79.32	21.92	6.02	65.0	± 9.6 %
		Υ	8.98	90.91	26.48		65.0	
		Z	8.81	87.78	25.30		65.0	
10175- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.62	66.79	17.70	3.01	150.0	± 9.6 %
		Y	2.73	67.64	18.24		150.0	
		Z	2.91	67.87	18.21		150.0	
10176- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	3.35	71.86	19.99	3.01	150.0	± 9.6 %
0/10	10 (27 (191)	TY	3.58	73.10	20.58		150.0	-
		Ż	3.90	73.39	20.59		150.0	
10177- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	2.64	66.92	17.79	3.01	150.0	± 9.6 %
<u> </u>		İΥ	2.75	67.76	18.31		150.0	-
		Ż	2.94	68.03	18.32		150.0	-
10178- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	3.33	71.68	19.88	3.01	150.0	± 9.6 %
<u> </u>		Y	3.56	72.95	20.49		150.0	
	-	Z	3.86	73.15	20.45		150.0	
10179- CAD	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	3.04	69.83	18.46	3.01	150.0	±9.6 %
		TY	3.27	71.21	19.16	Γ'	150.0	
	-	Ż	3.53	71.24	19.06		150.0	
10180- CAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	2.79	68.06	17.20	3.01	150.0	± 9.6 %
		Y	3.00	69.44	17.95		150.0	
	<u> </u>	Ż	3.23	69.37	17.80		150.0	1 -
10181- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.64	66.91	17.79	3.01	150.0	± 9.6 %
0/10		ŦΥ	2.74	67.75	18.31		150.0	ĺ
	-	Ż	2.93	68.01	18.31		150.0	1
10182- CAC	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	3.32	71.66	19.87	3.01	150.0	± 9.6 %
<u> </u>	IO-QAMI)	Y	3.55	72.93	20.48	<del>                                     </del>	150.0	<del> </del>
		Z		73.13	20.44		150.0	†
40400	LTE EDD (OC EDMA 4 DD 45 MILE		3.85			2.04	150.0	+060/
10183- AAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	2.79	68.04	17.19	3.01		± 9.6 %
L		Ϋ́	3.00	69.42	17.94	<b> </b>	150.0	<del>                                     </del>
I	İ	Z	3.22	69.35	17.79	1	150.0	1

10184- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	Tx	2.65	66.95	17.81	3.01	150.0	± 9.6 %
		Y	2.75	67 70	40.00	<u> </u>	450.0	<del> </del>
		Z	2.75	67.79 68.05	18.33 18.33	<del> </del>	150.0	<del> </del>
10185- CAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	3.34	71.72	19.91	3.01	150.0 150.0	± 9.6 %
		Υ	3.57	72.99	20.51	<del> </del>	150.0	<del>                                     </del>
40400		Ζ	3.87	73.20	20.48		150.0	<del>                                     </del>
10186- AAD	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	2.80	68.09	17.22	3.01	150.0	± 9.6 %
<del> </del>	<del></del>	Υ	3.01	69.48	17.97		150.0	
10187-	LTC EDD (OO EDLI)	Z	3.23	69.41	17.82		150.0	<del>                                     </del>
CAD	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.66	67.00	17.88	3.01	150.0	± 9.6 %
		Y	2.76	67.84	18.40		150.0	
10188-	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz,	Z	2.95	68.09	18.39		150.0	
CAD	16-QAM)	X	3.43	72.31	20.28	3.01	150.0	± 9.6 %
		Y	3.66	73.53	20.84		150.0	
10189-	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz,	Z	4.00	73.86	20.87	<u> </u>	150.0	
AAD	64-QAM)	X	2.85	68.45	17.48	3.01	150.0	± 9.6 %
		Y	3.07	69.84	18.22		150.0	
10193-	IEEE 802.11n (HT Greenfield, 6.5 Mbps,	Z	3.30	69.81	18.09	ļ	150.0	
CAB	BPSK)	X	4.48	66.73	16.24	0.00	150.0	± 9.6 %
	<del></del>	Y	4.49	66.78	16.30	<u></u>	150.0	
10194-	IEEE 802.11n (HT Greenfield, 39 Mbps,	Z	4.58	66.49	16.16		150.0	
CAB	16-QAM)	X	4.63	67.01	16.37	0.00	150.0	± 9.6 %
	<del> </del>	Y	4.65	67.06	16.43		150.0	
10195-	IEEE 802.11n (HT Greenfield, 65 Mbps,	Z	4.76	66.82	16.28		150.0	
CAB	64-QAM)	X	4.67	67.04	16.38	0.00	150.0	± 9.6 %
	<del></del>	Y	4.69	67.09	16.44		150.0	
10196-	IEEE 802.11n (HT Mixed, 6.5 Mbps,	Z	4.80	66.85	16.30		150.0	
CAB	BPSK)	X	4.47	66.77	16.24	0.00	150.0	± 9.6 %
	<del> </del>	Y	4.48	66.82	16.30		150.0	
10197-	IEEE 802.11n (HT Mixed, 39 Mbps, 16-	Z	4.59	66.56	16.19		150.0	
CAB	QAM)	X	4.64	67.02	16.38	0.00	150.0	± 9.6 %
		Y	4.66	67.08	16.44		150.0	
10198- CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.78 4.67	66.84 67.05	16.30 16.39	0.00	150.0 150.0	± 9.6 %
	""	Y	4.60	07.10	40 :=		<u> </u>	
		Z	4.68 4.81	67.10	16.45		150.0	
10219- CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.42	66.86 66.79	16.31 16.21	0.00	150.0 150.0	± 9.6 %
		Y	4.44	66.84	16.27		450.0	L
		Z	4.54	66.57	16.27		150.0	
10220- CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	X	4.64	66.99	16.36	0.00	150.0 150.0	± 9.6 %
		Y	4.65	67.04	16.42		150.0	
		Z	4.77	66.82	16.29		150.0	
10221- CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	×	4.68	66.98	16.38	0.00	150.0	± 9.6 %
	<b>_</b>	Y	4.69	67.03	16.44		150.0	
40000		Z	4.81	66.80	16.30		150.0	
10222- CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	Х	5.03	67.11	16.49	0.00	150.0	± 9.6 %
					_			
	<u> </u>	Y	5.04	67.15	16.55		150.0	

July 17, 2017

10223-	IEEE 802.11n (HT Mixed, 90 Mbps, 16-	X	5.33	67.33	16.62	0.00	150.0	± 9.6 %
CAB	QAM)	Υ						
			5.34	67.38	16.68	-	150.0	
10224- CAB	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	X	5.45 5.07	67.21 67.22	16.54 16.48	0.00	150.0 150.0	± 9.6 %
CAD	(CAIVI)	Y	5.09	67.26	16.53		150.0	
		Z	5.18	67.11	16.40	-	150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	2.76	66.33	15.32	0.00	150.0	± 9.6 %
<u> </u>		Y	2.78	66.46	15.44		150.0	
		Ż	2.85	65.93	15.34		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	7.05	86.26	25.03	6.02	65.0	±9.6 %
	-1:	Y	11.33	96.43	28.97		65.0	
		Z	13.18	96.17	28.66		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	Х	7.07	85.23	24.04	6.02	65.0	± 9.6 %
	•	Υ	11.45	95.09	27.83		65.0	
		Z	12.76	94.16	27.40		65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	Х	4.84	82.15	25.37	6.02	65.0	± 9.6 %
		Υ	6.17	88.64	28.46	1	65.0	
		Z	7.76	90.12	28.51		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	Х	6.71	85.26	24.59	6.02	65.0	± 9.6 %
		Y	10.65	95.13	28.47		65.0	
		Z	12.36	94.84	28.14		65.0	
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	X	6.68	84.20	23.61	6.02	65.0	± 9.6 %
		Υ	10.65	93.73	27.33		65.0	
		Z	11.94	92.89	26.92		65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	4.67	81.40	24.99	6.02	65.0	± 9.6 %
	,	Y	5.94	87.77	28.07		65.0	
		Z	7.43	89.17	28.10		65.0	1
10232- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	Х	6.69	85.24	24.58	6.02	65.0	± 9.6 %
	·	Y	10.63	95.12	28.47		65.0	
		Z	12.34	94.82	28.14		65.0	
10233- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	Х	6.66	84.17	23.60	6.02	65.0	± 9.6 %
		Y	10.62	93.69	27.32		65.0	
		Z	11.91	92.86	26.91		65.0	
10234- CAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	4.54	80.75	24.63	6.02	65.0	± 9.6 %
	<u></u>	Y	5.76	87.05	27.69		65.0	
		Z	7.17	88.32	27.68		65.0	
10235- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	6.69	85.26	24.59	6.02	65.0	± 9.6 %
		Ý	10.64	95.16	28.48		65.0	
		Z	12.35	94.85	28.15		65.0	
10236- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	6.73	84.30	23.64	6.02	65.0	± 9.6 %
		Υ	10.78	93.91	27.38		65.0	
		Z	12.05	93.03	26.96		65.0	
10237- CAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	4.67	81.42	25.00	6.02	65.0	± 9.6 %
		Y	5.94	87.83	28.10		65.0	
		Z	7.43	89.21	28.12		65.0	
10238- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	6.68	85.21	24.57	6.02	65.0	± 9.6 %
		Y	10.60	95.09	28.46		65.0	
		Z	12.31	94.79	28.13		65.0	

10239- CAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	6.64	84.13	23.58	6.02	65.0	± 9.6 %
		Y	10.57	93.64	27.30		65.0	
10240-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz,		11.87	92.82	26.90		65.0	
CAC	QPSK)	X	4.66	81.38	24.99	6.02	65.0	± 9.6 %
	<del></del>	Y	5.92	87.78	28.08		65.0	
10241-	LTE TOD (CC EDIA) 50% DD 4 100	LZ_	7.41	89.16	28.10		65.0	
CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	6.49	77.69	23.88	6.98	65.0	± 9.6 %
·	- <del></del>	Υ	7.06	80.22	25.34		65.0	
40040		Z	7.33	78.75	24.61		65.0	<del>                                     </del>
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.69	74.96	22.63	6.98	65.0	± 9.6 %
		Y	6.72	79.20	24.84		65.0	<del>                                     </del>
		Z	6.48	76.10	23.39		65.0	<del>                                     </del>
10243- _CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	5.22	73.93	23.04	6.98	65.0	± 9.6 %
		Y	5.37	75.23	24.06		65.0	<del> </del>
		Z	5.30	72.76	22.72	<del>                                     </del>	65.0	<del>                                      </del>
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	4.03	70.70	15.63	3.98	65.0	± 9.6 %
		Ϋ́	4.63	73.27	17.01		65.0	<del>                                     </del>
		Z	5.80	76.12	19.17	$\vdash$	65.0	<del>                                     </del>
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	3.94	70.12	15.32	3.98	65.0	± 9.6 %
		Y	4.47	72.48	16.60		65.0	<del>                                       </del>
		Ζ	5.67	75.49	18.85		65.0	<del> </del> -
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	4.17	75.16	18.15	3.98	65.0	± 9.6 %
		Υ	5.29	79.64	20.23	<del> </del>	CE O	<del> </del>
		Z	5.81	80.17	21.10		65.0	<u> </u>
10247- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	4.10	71.58	17.29	3.98	65.0 65.0	± 9.6 %
		Y	4.43	73.43	18.37		0E 0	<del> </del>
		Z	4.92	74.07	19.21		65.0	<del></del>
10248- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	4.07	70.96	16.98	3.98	65.0 65.0	± 9.6 %
		Y	4.37	72.65	17.99		65.0	<del> </del>
		Z	4.90	73.42	18.88			<del></del>
10249- CAC	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	x	5.33	79.24	20.92	3.98	65.0 65.0	± 9.6 %
	<u> </u>	Υ	6.73	84.01	23.05		65.0	
		Z	6.62	82.34	22.76			<b> </b>
10250- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	Х	4.99	74.32	20.40	3.98	65.0 65.0	± 9.6 %
	<u> </u>	Υ	5.24	75.79	21.30		65.0	
		Z	5.59	75.60	21.35		65.0	
10251- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	4.75	72.14	19.02	3.98	65.0	± 9.6 %
		Y	4.99	73.56	19.92		65.0	
		Z	5.35	73.44	20.02		65.0	
10252- CAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	5.62	79.05	22.01	3.98	65.0	± 9.6 %
		Y	6.48	82.42	23.65		65.0	
		Z	6.49	80.72	22.96			
10253- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	4.91	71.43	19.12	3.98	65.0 65.0	± 9.6 %
		Y	5.09	72.60	19.93		SE A	
		Z	5.40	72.41	19.86		65.0	
10254- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	5.23	72.40	19.88	3.98	65.0 65.0	± 9.6 %
		Y	5.41	72 40	20.00			
		ż		73.49	20.63		65.0	
	· <u> </u>		5.73	73.30	20.57	J	65.0	

10255- CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	5.37	75.82	20.95	3.98	65.0	± 9.6 %
UNU	Qi UN)	Υ	5.81	77.90	22.11		65.0	
	<u> </u>	Z	5.98	76.90	21.60		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	2.95	66.44	12.43	3.98	65.0	± 9.6 %
	<u> </u>	Y	3.25	68.14	13.47		65.0	
		Z	4.63	72.57	16.66		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	Х	2.90	65.89	12.05	3.98	65.0	±9.6 %
		Υ	3.14	67.36	12.98		65.0	
		Z	4.49	71.73	16.18		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	2.90	69.51	14.64	3.98	65.0	± 9.6 %
		Y	3.44	72.54	16.25		65.0	
		Z	4.52	75.89	18.60		65.0	
10259- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	4.46	72.72	18.47	3.98	65.0	± 9.6 %
		Υ	4.78	74.47	19.50		65.0	
40000	LITE TOD (OO EDAM)	Z	5.19	74.62	19.97		65.0	0.000
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	4.49	72.43	18.33	3.98	65.0	± 9.6 %
		Y	4.79	74.08	19.32		65.0	
1005:		Z	5.22	74.34	19.84		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	5.17	78.27	21.02	3.98	65.0	±9.6 %
		Y	6.16	82.12	22.85		65.0	
40000	1.75 700 /00 501// (000/ 00 5///	Z	6.14	80.53	22.44		65.0	
10262- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	4.98	74.25	20.35	3.98	65.0	± 9.6 %
		Υ	5.23	75.73	21.26		65.0	
		Z	5.58	75.55	21.31		65.0	
10263- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	Х	4.74	72.12	19.01	3.98	65.0	± 9.6 %
		Υ	4.98	73.53	19.91		65.0	
		Z	5.34	73.42	20.01		65.0	
10264- CAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	5.56	78.83	21.90	3.98	65.0	± 9.6 %
		Υ	6.41	82.18	23.54		65.0	
		Z	6.42	80.51	22.86		65.0	
10265- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	4.98	71.84	19.37	3.98	65.0	± 9.6 %
		Υ	5.18	73.09	20.20		65.0	
		Z	5.53	73.00	20.12	<u> </u>	65.0	
10266- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	5.34	72.91	20.22	3.98	65.0	± 9.6 %
		Y	5.53	74.04	20.98	ļ—	65.0	
		Z	5.88	73.92	20.89		65.0	
10267- CAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	5.64	76.53	21.06	3.98	65.0	± 9.6 %
		<u> </u>	6.16	78.78	22.27		65.0	ļ
10	1.77 700 /00 75111 10111	Z	6.34	77.78	21.72		65.0	L
10268- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	5.63	71.94	19.85	3.98	65.0	± 9.6 %
		Y	5.78	72.88	20.51		65.0	<u> </u>
10269-	LTE-TDD (SC-FDMA, 100% RB, 15	X	6.14 5.64	72.88 71.57	20.41 19.72	3.98	65.0 65.0	± 9.6 %
CAC	MHz, 64-QAM)	Y	5 77	70.45	20.26	-	65.0	1
			5.77	72.45	20.36		65.0	
10070	LITE TOD (QC EDMA 4000/ DB 45	Z	6.12	72.44	20.27	2.09	65.0	+060/
10270- CAC	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	5.66	74.09	20.17	3.98	65.0	± 9.6 %
	<u> </u>	Y	5.94	75.48	21.01	<del> </del>	65.0	1
		Z	6.22	75.05	20.69		65.0	<del></del>

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.58	66.84	15.32	0.00	150.0	± 9.6 %
		Y	2.61	67.05	15.49	<del> </del>	150.0	+
		Z	2.61	66.19	15.19	<del>                                     </del>	150.0	<del> </del>
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	Х	1.62	68.33	15.81	0.00	150.0	± 9.6 %
		Y	1.68	69.01	16.23		150.0	$\vdash$
4007-		Z	1.61	67.33	15.34		150.0	
10277- CAA	PHS (QPSK)	X	1.71	60.26	5.85	9.03	50.0	± 9.6 %
		Y_	1.46	60.00	5.35		50.0	
10278-	DUD (ODDI) DW OD WILL D	Z	2.08	61.87	7.57		50.0	<del>                                     </del>
CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	Х	3.48	68.77	13.21	9.03	50.0	± 9.6 %
——-	<del></del>	Y	3.86	71.42	14.38		50.0	
10279-	DITO (ODOK DIA) SOALAR	Z	7.61	81.06	19.61		50.0	
CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	X	3.59	69.09	13.42	9.03	50.0	± 9.6 %
	<del></del>	ΙY	4.03	71.88	14.65		50.0	
10290-	CDMA2000 DO4 COTT TIE	Z	7.80	81.31	19.76		50.0	
AAB	CDMA2000, RC1, SO55, Full Rate	X	1.38	68.75	13.54	0.00	150.0	± 9.6 %
	<del></del>	<u>Y</u>	1.49	69.81	14.11		150.0	<del>                                     </del>
10291-	CDM40000 Boo	Z	1.48	68.40	14.11		150.0	
AAB	CDMA2000, RC3, SO55, Full Rate	X	0.81	66.18	12.25	0.00	150.0	± 9.6 %
		Y	0.88	67.15	12.85		150.0	<del></del>
40000	- CDIVIDOR	Z	0.85	65.51	12.62		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	1.25	72.63	15.60	0.00	150.0	± 9.6 %
		Υ _	1.48	75.02	16.70		150.0	
1000		Z	1.05	69.24	14.85		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	Х	3.55	87.18	21.36	0.00	150.0	± 9.6 %
		Y	4.57	90.90	22.67		150.0	
1222		Z	1.55	74.98	17.80		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	10.90	87.79	24.10	9.03	50.0	± 9.6 %
		Υ	17.38	97.96	27.91		50.0	
		Z	9.27	86.92	25.25		50.0	
10297- AAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.71	69.84	16.83	0.00	150.0	± 9.6 %
		Y	2.77	70.21	17.06		150.0	
40000	175 500 (0.5 00)	Z	2.77	69.29	16.46		150.0	
10298- AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	1.47	67.49	13.62	0.00	150.0	± 9.6 %
	<del> </del>	Y	1.54	68.13	14.02		150.0	
10299-	LITE FDD (00 FDL)	Z	1.61	67.49	14.26		150.0	
AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	1.91 	66.04	11.93	0.00	150.0	± 9.6 %
		<u>Y</u>	2.08	67.06	12.49		150.0	
10300-	LTE EDD (00 ED) (4	Z	2.55	68.88	14.29		150.0	
AAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	1.52	62.84	9.56	0.00	150.0	± 9.6 %
	<del> </del>	Υ	1.60	63.32	9.89		150.0	
10301-	IEEE 902 402 WILLIAM 402 15	Z	2.01	64.97	11.67		150.0	<del></del>
10301- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.49	64.94	17.15	4.17	50.0	± 9.6 %
		Υ	4.51	65.12	17.33		50.0	
10302-	IEEE 900 40- William (00	Z	4.77	65.09	17.35		50.0	
10302- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	4.98	65.58	17.87	4.96	50.0	± 9.6 %
		Υ	5.02	65.83	18.08	+	50.0	
		Z	5.23					

10303-	IEEE 802.16e WiMAX (31:15, 5ms,	ΙχΙ	4.72	65.17	17.66	4.96	50.0	± 9.6 %
AAA	10MHz, 64QAM, PUSC)	1 1				1.00		
		Υ	4.76	65.39	17.86		50.0	
		Z	4.98	65.24	17.83		50.0	
10304- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.56	65.16	17.23	4.17	50.0	± 9.6 %
		Y	4.60	65.38	17.42		50.0	
		Z	4.79	65.14	17.34		50.0	
10305- AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	Х	4.06	66.26	18.68	6.02	35.0	± 9.6 %
		Υ	3.98	66.05	18.73		35.0	
		Z	4.32	66.47	19.19		35.0	
10306- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.43	65.65	18.52	6.02	35.0	± 9.6 %
<u> </u>		Y	4.40	65.62	18.63		35.0	
70000		Z	4.69	65.80	18.88		35.0	
10307- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	Х	4.31	65.69	18.43	6.02	35.0	± 9.6 %
		Υ	4.27	65.62	18.52		35.0	
1000		Z	4.59	65.95	18.85		35.0	
10308- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.28	65.86	18.56	6.02	35.0	± 9.6 %
		Y	4.24	65.78	18.65		35.0	
10000	IEEE OOO 40, DENIAY (OO 10, 10	Z	4.55	66.08	18.95	0.00	35.0	1000
10309- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.47	65.79	18.63	6.02	35.0	± 9.6 %
		Y	4.44	65.78	18.76		35.0	
10010	1555 000 10 10/10/100 10 10	Z	4.75	66.03	19.03		35.0	
10310- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.38	65.69	18.49	6.02	35.0	± 9.6 %
		Y	4.34	65.63	18.59		35.0	
		Z	4.64	65.84	18.85		35.0	
10311- AAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	Х	3.08	69.08	16.47	0.00	150.0	± 9.6 %
		Y	3.14	69.40	16.66		150.0	
		Z	3.12	68.62	16.13		150.0	
10313- AAA	iDEN 1:3	Х	2.89	72.65	16.29	6.99	70.0	± 9.6 %
		Y	4.19	78.79	18.89		70.0	
		Z	4.02	76.71	18.18		70.0	
10314- AAA	IDEN 1:6	X	5.30	83.78	23.47	10.00	30.0	± 9.6 %
		Ϋ́	6.55	89.94	26.15		30.0	
		Z	6.97	88.50	25.50	<u> </u>	30.0	<u> </u>
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.08	63.77	15.30	0.17	150.0	± 9.6 %
		Y	1.10	64.11	15.62		150.0	
	<u> </u>	Z	1.08	63.32	14.99		150.0	1000
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.51	66.68	16.32	0.17	150.0	± 9.6 %
		Y	4.53	66.78	16.42		150.0	ļ .
		Z	4.64	66.54	16.30		150.0	
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.51	66.68	16.32	0.17	150.0	± 9.6 %
		Y	4.53	66.78	16.42	ļ. —	150.0	
10400-	IEEE 802.11ac WiFl (20MHz, 64-QAM,	X	4.64 4.61	66.54 67.03	16.30 16.35	0.00	150.0 150.0	± 9.6 %
AAC	99pc duty cycle)	+.,	4.00	07.44	40.40	<b> </b>	450.0	
		Y	4.63	67.11	16.42	<u> </u>	150.0	
	1475	Z	4.76	66.86	16.27		150.0	1.000
10401- AAC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.34	67.18	16.51	0.00	150.0	± 9.6 %
		Y	5.36	67.26	16.59	ļ	150.0	<u> </u>
		Z	5.46	67.09	16.45	1	150.0	

10402-	IEEE 802.11ac WiFi (80MHz, 64-QAM,	$\exists x$	T = 50	07.45	T 40 =0	T		<del>_</del>
AAC	99pc duty cycle)		5.59	67.45	16.52	0.00	150.0	± 9.6 %
		Y	5.60 5.71	67.49	16.57	<del>                                      </del>	150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	1.38	67.42 68.75	16.48 13.54	0.00	150.0 115.0	± 9.6 %
		Y	1.49	69.81	14.11	<del> </del>	115.0	<del> </del> -
10104	ODMANOON (1 51155	Z	1.48	68.40	14.11		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	Х	1.38	68.75	13.54	0.00	115.0	± 9.6 %
		<u> </u>	1.49	69.81	14.11		115.0	
10406-	CDMA2000, RC3, SO32, SCH0, Full	Z	1.48	68.40	14.11		115.0	
AAB	Rate	X	17.35	99.43	24.90	0.00	100.0	± 9.6 %
		Y	63.25	115.82	28.80		100.0	
10410-	LTE-TDD (SC-FDMA, 1 RB, 10 MHz,	Z	11.61	93.88	24.12		100.0	
AAB	QPSK, UL Subframe=2,3,4,7,8,9)	X	8.36	91.25	22.62	3.23	80.0	± 9.6 %
		Y	100.00	127.16	32.13		80.0	
10415-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	Z	100.00	125.70	32.09	<del></del>	80.0	
AAA	Mbps, 99pc duly cycle)		1.03	63.22	14.88	0.00	150.0	± 9.6 %
		Y	1.04	63.49	15.13		150.0	
10416-	IEEE 802.11g WiFi 2.4 GHz (ERP-	Z X	1.02	62.64	14.46		150.0	
AAA	OFDM, 6 Mbps, 99pc duly cycle)		4.48	66.75	16.31	0.00	150.0	± 9.6 %
		Y	4.49	66.81	16.37		150.0	
10417-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6	Z	4.59	66.53	16.22		150.0	
AAA	Mbps, 99pc duty cycle)	X	4.48	66.75	16.31	0.00	150.0	± 9.6 %
		Y	4.49	66.81	16.37		150.0	
10418-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z	4.59	66.53	16.22	<u> </u>	150.0	
AAA ———	OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.47	66.94	16.35	0.00	150.0	± 9.6 %
		_ Y ]	4.48	67.00	16.41		150.0	
10419-	IEEE 902 445 WIFE 2 4 OU (DOOD	Z	4.58	66.68	16.24		150.0	i — —
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	X	4.49	66.88	16,34	0.00	150.0	± 9.6 %
		Y	4.50	66.93	16.40		150.0	
10422-	IEEE 000 44- (UT O	Z	4.60	66.63	16.24		150.0	
AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.60	66.86	16.35	0.00	150.0	± 9.6 %
	<del> </del>	Y	4.61	66.91	16.41		150.0	
10423-	JEEE 902 11n (UT O-1 - S-L) 40.0	Z	4.72	66.64	16.26		150.0	
AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.74	67.14	16.45	0.00	150.0	± 9.6 %
		ΥŢ	4.76	67.20	16.51		150.0	
10424-	IEEE 802.11n (HT Greenfield, 72.2	Z	4.89	66.97	16.38		150.0	
AAA	Mbps, 64-QAM)	X	4.67	67.10	16.43	0.00	150.0	± 9.6 %
	<del>                                     </del>	Y	4.68	67.15	16.49		150.0	
10425- AAA	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	<u>4.81</u> 5.29	66.91 67.34	16.35 16.60	0.00	150.0 150.0	± 9.6 %
		T Y	5.30	67.00	40.00			
		Z		67.39	16.66	———	150.0	
10426-	IEEE 802.11n (HT Greenfield, 90 Mbps,	X	5.42 5.31	67.29	16.55	0.00	150.0	
AAA	16-QAM)			67.43	16.64	0.00	150.0	± 9.6 %
		Y	5.32	67.48	16.70		150.0	
	·	<u>Z</u>	5.43	67.30	16.56		150.0	

10427-	IEEE 802.11n (HT Greenfield, 150 Mbps,	Х	5.30	67.32	16.58	0.00	150.0	± 9.6 %
AAA	64-QAM)	,,	# A 4					
		Y	5.31	67.37	16.64		150.0	
40400	LTC EDD (OEDMA EARL E TAKE ()	Z	5.44	67.28	16.54		150.0	·
10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	Х	4.41	72.30	18.78	0.00	150.0	± 9.6 %
		Y	4.28	71.61	18.44		150.0	
		Z	4.35	70.84	18.35		150.0	
10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	Х	4.12	67.35	16.27	0.00	150.0	± 9.6 %
		Υ	4.14	67.43	16.34		150.0	
		Z	4.27	67.06	16.22		150.0	
10432- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	Х	4.43	67.18	16.37	0.00	150.0	± 9.6 %
		Y	4.45	67.24	16.44		150.0	
		Z	4.58	66.95	16.29		150.0	
10433- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	Х	4.69	67.13	16.45	0.00	150.0	± 9.6 %
		Υ	4.70	67.18	16.51	,	150.0	
		Ζ	4.82	66.95	16.37		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	Х	4.58	73.43	18.77	0.00	150.0	± 9.6 %
		Υ	4.41	72.61	18.39		150.0	
		Z	4.46	71.72	18.35		150.0	
10435- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	7.84	90.24	22.26	3.23	80.0	±9.6 %
		Y	100.00	126.90	32.00		80.0	
		Z	100.00	125.48	31.98		80.0	
10447- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	Х	3.40	67.35	15.41	0.00	150.0	± 9.6 %
	11 0	Y	3,42	67.47	15.52		150.0	
		Z	3.56	67.03	15.56		150.0	
10448- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	3.98	67.14	16.14	0.00	150.0	± 9.6 %
		Υ	4.00	67.22	16.21		150.0	
		Z	4.11	66.83	16.08		150.0	
10449- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.26	67.02	16.27	0.00	150.0	± 9.6 %
		Y	4.28	67.08	16.34		150.0	
	···	Z	4.38	66.77	16.19		150.0	
10450- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.47	66.91	16.31	0.00	150.0	± 9.6 %
,,,,,,	Chipping 1170)	Y	4.48	66.96	16.37		150.0	
	-	Z	4.58	66.71	16.22		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.25	67.38	14.88	0.00	150.0	± 9.6 %
		Y	3.28	67.53	15.01		150.0	
		Ż	3.46	67.22	15.21		150.0	
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.22	67.99	16.81	0.00	150.0	± 9.6 %
<del></del>		Υ	6.22	68.02	16.86		150.0	
	-	Z	6.28	67.84	16.71		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.78	65.43	16.02	0.00	150.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Y	3.79	65.48	16.08	ĺ	150.0	
		Z	3.83	65.16	15.92	1	150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	3.02	66.44	14.01	0.00	150.0	± 9.6 %
£21/1	- Variory	Y	3.06	66.64	14.18		150.0	
	-	Z	3.28	66.54	14.63	<u> </u>	150.0	<del>†</del>
10459-	CDMA2000 (1xEV-DO, Rev. B, 3	<del>   </del>	4.18	65.23	15.36	0.00	150.0	± 9.6 %
AAA	carriers)	Ŷ	4.18	65.21	15.41		150.0	
<del> </del>		$\frac{1}{Z}$	4.16	65.25	15.75	+	150.0	<del>                                     </del>
<u> </u>			4.47	05.25	10.75		1 100.0	<u> </u>

10462- LTE-TI AAA 16-QAI  10463- LTE-TI AAA 64-QAI  10464- LTE-TI AAA QPSK,  10465- LTE-TI AAA QAM, U  10466- LTE-TI AAB QPSK,  10468- LTE-TI AAB QPSK,  10470- LTE-TI AAB QAM, U  10470- LTE-TI AAB QPSK,	TDD (SC-FDMA, 1 RB, 1.4 MHz, K, UL Subframe=2,3,4,7,8,9)  TDD (SC-FDMA, 1 RB, 1.4 MHz, AM, UL Subframe=2,3,4,7,8,9)  TDD (SC-FDMA, 1 RB, 1.4 MHz, AM, UL Subframe=2,3,4,7,8,9)	Y Z X Y Z X Y	1,00 0.88 4.32 46.98 70.92 0.93	70.16 67.06 84.19	17.38 15.60 21.37	3.29	150.0 150.0	
10462- LTE-TI AAA 16-QAI  10463- LTE-TI AAA 64-QAI  10464- LTE-TI AAA QPSK,  10465- LTE-TI AAA QAM, U  10466- LTE-TI QAM, U  10468- LTE-TI QAB, U  10469- LTE-TI AAB QAM, U  10470- LTE-TI AAB QAM, U  10471- LTE-TD QAM, U	C, UL Subframe=2,3,4,7,8,9)  FDD (SC-FDMA, 1 RB, 1.4 MHz, AM, UL Subframe=2,3,4,7,8,9)  FDD (SC-FDMA, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB,	X Y Z X	0.88 4.32 46.98 70.92	67.06 84.19 120.39	15.60	3.29		┼
10462- LTE-TI AAA 16-QAI  10463- LTE-TI AAA 64-QAI  10464- LTE-TI AAA QPSK,  10465- LTE-TI AAA QAM, U  10466- LTE-TI QAM, U  10468- LTE-TI QAB, U  10469- LTE-TI AAB QAM, U  10470- LTE-TI AAB QAM, U  10470- LTE-TI AAB QAM, U	C, UL Subframe=2,3,4,7,8,9)  FDD (SC-FDMA, 1 RB, 1.4 MHz, AM, UL Subframe=2,3,4,7,8,9)  FDD (SC-FDMA, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB,	Y Z X	4.32 46.98 70.92	84.19 120.39		3.29	<u>  15</u> 0.0	
10462- LTE-TI AAA 16-QAI  10463- LTE-TI AAA 64-QAI  10464- LTE-TI AAA QPSK,  10465- LTE-TI AAA QAM, U  10466- LTE-TI QAM, U  10468- LTE-TI QAB, U  10469- LTE-TI AAB QAM, U  10470- LTE-TI AAB QAM, U  10471- LTE-TD QAM, U	C, UL Subframe=2,3,4,7,8,9)  FDD (SC-FDMA, 1 RB, 1.4 MHz, AM, UL Subframe=2,3,4,7,8,9)  FDD (SC-FDMA, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1.4 MHz, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB, 1 RB,	Y Z X	46.98 70.92	120.39	21.37	3 29		+
10463- LTE-TE AAA	AM, UL Subframe=2,3,4,7,8,9)  FDD (SC-FDMA, 1 RB, 1.4 MHz.	Z X	70.92		<del></del>		80.0	± 9.6 %
10463- LTE-TE AAA	AM, UL Subframe=2,3,4,7,8,9)  FDD (SC-FDMA, 1 RB, 1.4 MHz.	X			31.74	<u> </u>	80.0	
10463- LTE-TE AAA	AM, UL Subframe=2,3,4,7,8,9)  FDD (SC-FDMA, 1 RB, 1.4 MHz.	Y	0.93	123.84	32.55		80.0	
10464- LTE-TE AAA QPSK,  10465- LTE-TE AAA QAM, U  10466- LTE-TE QAM, U  10467- LTE-TE QPSK,  10468- LTE-TE QAM, U  10469- LTE-TE AAB QAM, U  10470- LTE-TE AAB QAM, U  10470- LTE-TE AAB QPSK,	DD (SC-FDMA, 1 RB, 1.4 MHz,	+ <u>Y</u>	<del></del> -	61.17	8.92	3.23	80.0	± 9.6 %
10464- LTE-TE AAA QPSK,  10465- LTE-TE AAA QAM, U  10466- LTE-TE QAM, U  10467- LTE-TE QPSK,  10468- LTE-TE QAM, U  10469- LTE-TE AAB QAM, U  10470- LTE-TE AAB QAM, U  10470- LTE-TE AAB QPSK,	DD (SC-FDMA, 1 RB, 1.4 MHz,		1.50	66.22	11.48		80.0	
10464- LTE-TE AAA QPSK,  10465- LTE-TE AAA QAM, U  10466- LTE-TE QAM, U  10467- LTE-TE QPSK,  10468- LTE-TE QAM, U  10469- LTE-TE AAB QAM, U  10470- LTE-TE AAB QAM, U  10470- LTE-TE AAB QPSK,	\M, UL Subframe=2.3.4.7.9.0\	Z	4.18	75.74	15.77		80.0	
10465- LTE-TE AAA QAM, U  10466- LTE-TE AAA QAM, U  10467- LTE-TE QAM, U  10468- LTE-TE QAM, U  10469- LTE-TE AAB QAM, U  10470- LTE-TE QAM, U  10470- LTE-TE AAB QAM, U		X	0.83	60.00	7.74	3.23	80.0	± 9.6 %
10465- LTE-TE AAA QAM, U  10466- LTE-TE AAA QAM, U  10467- LTE-TE QAM, U  10468- LTE-TE QAM, U  10469- LTE-TE AAB QAM, U  10470- LTE-TE QAM, U  10471- LTE-TD QAM, U  10471- LTE-TD QAM, U		Υ	0.90	60.95	8.47		80.0	
10465- LTE-TE AAA QAM, U  10466- LTE-TE AAA QAM, U  10467- LTE-TE QAM, U  10468- LTE-TE QAM, U  10469- LTE-TE AAB QAM, U  10470- LTE-TE QAM, U  10471- LTE-TD QAM, U  10471- LTE-TD QAM, U	DD /00 FDM + DD 0 + DD	Z	1.89	66.55	11.77		80.0	
10466- LTE-TE QAM, U 10467- LTE-TE QPSK, 10468- LTE-TE QAM, U 10469- LTE-TE QAM, U 10470- AAB QAM, U 10470- LTE-TD QAM, U 10471- AAB QAM, U	DD (SC-FDMA, 1 RB, 3 MHz, (, UL Subframe=2,3,4,7,8,9)	X	3.27	79.79	19.27	3.23	80.0	± 9.6 %
10466- LTE-TE QAM, U 10467- LTE-TE QPSK, 10468- LTE-TE QAM, U 10469- LTE-TE QAM, U 10470- LTE-TE QAM, U 10470- LTE-TE QAM, U 10471- LTE-TE QAM, U 10471- LTE-TE QAM, U		Υ	44.63	117.13	30.10		80.0	
10466- LTE-TE AAA QAM, U 10467- LTE-TE QAM, U 10468- LTE-TE QAM, U 10469- LTE-TE QAM, U 10470- AAB QAM, U 10471- AAB QAM, U 10471- LTE-TD QAM, U	TOP 100 TT	Z	63.16	119.86	30.88		80.0	<del>                                     </del>
10467- LTE-TE QPSK,  10468- LTE-TE QAM, U  10469- LTE-TE QAM, U  10470- AAB QAM, U  10471- AAB QAM, U  10471- LTE-TD QAM, U	DD (SC-FDMA, 1 RB, 3 MHz, 16- UL Subframe=2,3,4,7,8,9)	X	0.88	60.65	8.58	3.23	80.0	± 9.6 %
10467- LTE-TE QPSK,  10468- LTE-TE QAM, U  10469- LTE-TE QAM, U  10470- AAB QAM, U  10471- AAB QAM, U  10471- LTE-TD QAM, U		Y	1.28	64.64	10.73		80.0	
10467- LTE-TE QPSK,  10468- LTE-TE QAM, U  10469- LTE-TE QAM, U  10470- AAB QAM, U  10471- AAB QAM, U  10471- LTE-TD QAM, U		Z	2.98	72.01	14.38		80.0	
AAB QPSK,  10468- LTE-TC AAB QAM, L  10469- LTE-TC AAB QAM, L  10470- LTE-TC AAB QPSK,  10471- LTE-TC AAB QAM, U	DD (SC-FDMA, 1 RB, 3 MHz, 64- UL Subframe=2,3,4,7,8,9)	X	0.83	60.00	7.69	3.23	80.0	± 9.6 %
AAB QPSK,  10468- LTE-TC AAB QAM, L  10469- LTE-TC AAB QAM, L  10470- LTE-TC AAB QPSK,  10471- LTE-TC AAB QAM, U		Y	0.85	60.44	8.16		80.0	
AAB QPSK,  10468- LTE-TC AAB QAM, L  10469- LTE-TC AAB QAM, L  10470- LTE-TC AAB QPSK,  10471- LTE-TC AAB QAM, U		Z	1.66	65.17	11.12		80.0	
10469- LTE-TD QAM, L 10470- LTE-TD QPSK, 10471- LTE-TD QAM, U 10472- LTE-TD LTE-TD LTE-TD QAM, U	DD (SC-FDMA, 1 RB, 5 MHz, , UL Subframe=2,3,4,7,8,9)	Х	3.54	80.96	19.70	3.23	80.0	± 9.6 %
10469- LTE-TD QAM, L 10470- LTE-TD QPSK, 10471- LTE-TD QAM, U 10472- LTE-TD LTE-TD LTE-TD QAM, U		Y	60.93	121.68	31.18		80.0	
10469- LTE-TD QAM, L 10470- LTE-TD QPSK, 10471- LTE-TD QAM, U 10472- LTE-TD LTE-TD LTE-TD QAM, U		Z	84.88	124.19	31.89		80.0	
10469- LTE-TD AAB QAM, L 10470- LTE-TD AAB QPSK, 10471- LTE-TD AAB QAM, U	DD (SC-FDMA, 1 RB, 5 MHz, 16- UL Subframe=2,3,4,7,8,9)	X	0.89	60.80	8.68	3.23	80.0	± 9.6 %
AAB QAM, L  10470- LTE-TD AAB QPSK,  10471- LTE-TD AAB QAM, U		Y	1.33	65.06	10.94		80.0	<del></del>
AAB QAM, L  10470- LTE-TD AAB QPSK,  10471- LTE-TD AAB QAM, U  10472- LTE-TD		Z	3.21	72.86	14.71		80.0	
AAB QPSK,  10471- LTE-TD AAB QAM, U	DD (SC-FDMA, 1 RB, 5 MHz, 64- UL Subframe=2,3,4,7,8,9)	Х	0.83	60.00	7.69	3.23	80.0	± 9.6 %
AAB QPSK,  10471- LTE-TD AAB QAM, U		Y	0.85	60.46	8.17		80.0	
AAB QPSK,  10471- LTE-TD AAB QAM, U		Z	1.66	65.20	11.14		80.0	
AAB QAM, U	DD (SC-FDMA, 1 RB, 10 MHz, , UL Subframe=2,3,4,7,8,9)	Х	3.54	80.99	19.71	3.23	80.0	± 9.6 %
AAB QAM, U		TY	63.11	122.20	31.29		80.0	<del></del>
AAB QAM, U		Ζ	86.48	124.48	31.95		80.0	
	DD (SC-FDMA, 1 RB, 10 MHz, 16- UL Subframe=2,3,4,7,8,9)	Х	0.88	60.76	8.65	3.23	80.0	± 9.6 %
		Y	1.32	64.98	10.89		80.0	
		Z	3.18	72.76	14.66		80.0	
	DD (SC-FDMA, 1 RB, 10 MHz, 64- UL Subframe=2,3,4,7,8,9)	X	0.83	60.00	7.68	3.23	80.0	± 9.6 %
		Y	0.84	60.42	8.13		80.0	
		Z	1.65	65.15	11.10		80.0	
10473- LTE-TD AAB QPSK, I	DD (SC-FDMA, 1 RB, 15 MHz, UL Subframe=2,3,4,7,8,9)	Х	3.52	80.93	19.68	3.23	80.0	± 9.6 %
		Y	62.71	122.07	31.26		80.0	
		Z	85.93	124.36	31.91	<del></del>	80.0	
10474- LTE-TD AAB QAM, U	DD (SC-FDMA, 1 RB, 15 MHz, 16- UL Subframe=2,3,4,7,8,9)	X	0.88	60.74	8.64	3.23	80.0	± 9.6 %
		Υ	1.31	64.94	10.87		80.0	
		z	3.15	72.67	14.63			
10475- LTE-TD AAB QAM, U	DD (SC-FDMA, 1 RB, 15 MHz, 64- JL Subframe=2,3,4,7,8,9)	X	0.83	60.00	7.68	3.23	80.0 80.0	± 9.6 %
		Y	0.84	60.40	8.12			
		ż	1.64	65.11	11.08		80.0 80.0	

10477- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.87	60.61	8.55	3.23	80.0	± 9.6 %
<del></del>	=======================================	Y	1.27	64.59	10.69		80.0	
		Ż	2.97	71.99	14.36		80.0	
10478- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.83	60.00	7.67	3.23	80.0	± 9.6 %
		Υ	0.84	60.37	8.09		80.0	
		Z	1.63	65.04	11.04		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	4.53	79.52	20.39	3.23	80.0	± 9.6 %
		Υ	7.80	88.47	23.78		0.08	
		Z	5.78	82.49	22.28		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.53	72.09	15.68	3.23	80.0	± 9.6 %
		Υ	6.36	79.96	18.76		80.0	
		Z	6.52	79.72	19.55		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	2.81	68.83	13.98	3.23	80.0	± 9.6 %
		Υ	4.53	74.98	16.60		80.0	
		Z	5.48	76.73	18.13		80.0	
10482- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	2.20	68.90	15.09	2.23	80.0	± 9.6 %
		Υ	2.93	73.22	17.16		80.0	ļ
		Z	2.97	72.34	17.43	0.00	80.0	1000
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.35	65.97	12.90	2.23	80.0	± 9.6 %
		Υ	3.02	69.40	14.64		80.0	<u> </u>
_		Z	4.23	73.30	17.24		80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.28	65.32	12.60	2.23	80.0	± 9.6 %
		Y	2.83	68.32	14.18		80.0	
<u> </u>		Z	3.99	72.23	16.81		80.0	
10485- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.68	71.36	17.35	2.23	80.0	± 9.6 %
		Υ	3.27	74.89	19.08		80.0	
		Z	3.17	72.95	18.56		80.0	
10486- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	2.64	67.61	15.00	2.23	80.0	± 9.6 %
		Υ	2.99	69.69	16.14		80.0	
		Z	3.15	69.34	16.51		80.0	
10487- AAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.64	67.21	14.79	2.23	80.0	± 9.6 %
		Υ	2.96	69.13	15.87		80.0	
	<u> </u>	_ Z_	3.15	68.96	16.33		80.0	
10488- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.00	70.76	18.02	2.23	80.0	± 9.6 %
		Y	3.34	72.92	19.20	<del> </del>	80.0	
		Z	3.42	71.88	18.69	0.00	80.0	1000
10489- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.07	67.95	16.69	2,23	80.0	± 9.6 %
		<u> Y</u>	3.24	69.09	17.42		80.0	_
		Z	3.37	68.53	17.27	0.00	80.0	1.00%
10490- AAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.16	67.82	16.63	2.23	80.0	± 9.6 %
		Y	3.32	68.90	17.33	<del>                                     </del>	80.0	<del>                                     </del>
		Z_	3.47	68.38	17.21	<del> </del>	80.0	+
10491- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.29	69.57	17.67	2.23	80.0	± 9.6 %
		Y	3.53_	71.04	18.54	<del> </del>	80.0	<del>  -</del>
		Z	3.67	70.46	18.17	1-2-	80.0	1
10492- AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	3.43	67.31	16.78	2.23	80.0	± 9.6 %
		Y	3.55	68.11	17.34		80.0	1
		Z	3.72	67.80	17.20	<u> </u>	80.0	1

10493-	LTC TDD (OC TO)							odly 17, 20
AAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.50	67.21	16.74	2.23	80.0	± 9.6 %
		Y	3.62	67.97	17.27		80.0	
10494-	LTE-TOD (SC EDMA 500) DD 00 ML	Z	3.79	67.69	17.16		80.0	
AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	3.52	70.87	18.10	2.23	80.0	± 9.6 %
	<del></del>	Y	3.84	72.64	19.08		80.0	
10495-	LITE TOD (CC EDIAN SON DR COLUM	Z	3.98	72.03	18.67		80.0	
AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	3.45	67.59	16.97	2.23	80.0	± 9.6 %
	<del> </del>	Υ	3.58	68.42	17.54		80.0	T
10496-	LTE TOD (CC EDIM FOR DD CO )	Z	3.75	68.20	17.40		80.0	<b>—</b>
AAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.54	67.39	16.91	2.23	80.0	± 9.6 %
		Υ	3.65	68.15	17.44		80.0	
10497-	LITE TOD (CC FOMA 4000) FD 44	Z	3.83	67.94	17.32		80.0	$\top$
AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	1.43	63.58	11.40	2.23	80.0	± 9.6 %
	<del> </del>	Y	1.80	66.67	13.09		80.0	
10498-	LTE TOD (SC CDWA 4000) DB 4	Z	2.27	68.74	14.99		80.0	1
AAA 	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.24	60.00	8.33	2.23	80.0	± 9.6 %
		Υ	1.23	60.00	8.51		80.0	<del>                                     </del>
10400		Z	1.81	63.14	11.27		80.0	<del> </del>
10499- AAA ————	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.26	60.00	8.18	2.23	80.0	± 9.6 %
		Y	1.24	60.00	8.34		80.0	<del></del>
40500	<u> </u>	Z	1.76	62.56	10.83		80.0	<del> </del>
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	2.78	70.93	17.56	2.23	80.0	± 9.6 %
		_ Y ]	3.23	73.75	19.01		80.0	<del> </del>
10504	1.75.755.00	Z	3.21	72.13	18.47		80.0	<del> </del>
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.86	67.97	15.75	2.23	80.0	± 9.6 %
		Υ	3.13	69.65	16.71		80.0	<del> </del> -
10502-	LITE TOP (OA TOUR	Z	3.25	69.01	16.80		80.0	<del> </del>
AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	2.90	67.83	15.61	2.23	80.0	± 9.6 %
		_	3.18	69.45	16.55		80.0	<del> </del> -
10500		Z	3.31	68.90	16.69		80.0	<del></del> -
10503- AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	2.96	70.56	17.92	2.23	80.0	± 9.6 %
		Υ	3.29	72.71	19.10		80.0	
10504-	LTE TOD (OO FOLK)	_Z	3.38	71.68	18.59		80.0	
AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.05	67.84	16.62	2.23	80.0	± 9.6 %
	<del> </del>	Y	3.22	69.00	17.36		80.0	<del></del>
10505-	LTE TDD (00 EDM)	Z	3.35	68.44	17.21		80.0	<del></del>
AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.14	67.73	16.57	2.23	80.0	± 9.6 %
	<del>  </del>	Υ	3.31	68.81	17.27		80.0	
10506-	LTE-TOD (SC EDMA 4000) DD 40	Z	3.45	68.28	17.16		80.0	
\AB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	3.49	70.73	18.03	2.23	80.0	± 9.6 %
	<del> </del>	Y	3.81	72.49	19.00		80.0	
10507-	LTE TDD (SC EDMA 4000) ==	Z	3.95	71.88	18.59		80.0	
\АВ 	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.44	67.53	16.93	2.23	80.0	± 9.6 %
	<u> </u>	Υ	3.56	68.36	47.50	+		
		ż		00.50	17.50	- 1	80.0	

10508- AAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.53	67.32	16.87	2.23	80.0	± 9.6 %
	1-1-1-1-1	Υ	3.64	68.08	17.40		80.0	
		Z	3.82	67.87	17.27		80.0	
10509- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	3.90	69.82	17.65	2.23	80.0	± 9.6 %
		Υ	4.14	71.06	18.38		80.0	
		Z	4.30	70.72	18.09		80.0	
10510- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.92	67.34	16.97	2.23	80.0	± 9.6 %
		Υ	4.03	67.99	17.44		80.0	
10511- AAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Z X	4.22 3.99	67.93 67.15	17.34 16.93	2.23	80.0 80.0	± 9.6 %
	Odbiranic=2,0,4,1,0,0)	Y	4.09	67.75	17.36		80.0	
		Ż	4.28	67.68	17.27		80.0	
10512- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.00	71.09	18.05	2.23	80.0	± 9.6 %
		Υ	4.33	72.71	18.93		80.0	
		Z	4.49	72.31	18.60		80.0	
10513- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	3.80	67.50	17.05	2.23	80.0	± 9.6 %
		Υ	3.92	68.21	17.54		80.0	
		Z	4.11	68.20	17.45		80.0	
10514- AAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.85	67.16	16.95	2.23	80.0	± 9.6 %
		Υ	3.95	67.80	17.41		80.0	
<u></u>		Z	4.13	67.78	17.32		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	Х	0.99	63.41	14.95	0.00	150.0	± 9.6 %
		Υ	1.00	63.71	15.22		150.0	
		Z	0.98	62.80	14.50	0.00	150.0	1000
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duly cycle)	X	0.63	71.18	17.99	0.00	150.0	± 9.6 %
	<del>-</del>	Y	0.75	74.25	19.60 16.15		150.0 150.0	
40547	IEEE 000 445 WEE 0 4 OUR /DOOR 44	<u> </u>	0.56 0.84	68.07 65.39	15.66	0.00	150.0	± 9.6 %
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	^   Y	0.84	66.03	16.14	0.00	150.0	1 3.0 %
		l z	0.82	64.43	14.97	_	150.0	-
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	Х	4.47	66.84	16.30	0.00	150.0	± 9.6 %
		Y	4.48	66.90	16.36		150.0	<u> </u>
		Z	4.58	66.60	16.20		150.0	1000
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.63	67.03	16.39	0.00	150.0	± 9.6 %
		Y	4.64	67.09	16.46		150.0	-
40500	TEEE 000 44 - # 1405 5 011 (05514 10	Z	4.77	66.85	16.33	0.00	150.0 150.0	± 9.6 %
10520- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	X	4.49	66.98	16.32	0.00	150.0	¥ 9.0 %
		Y	4.50 4.62	66.81	16.38		150.0	
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.42	66.97	16.30	0.00	150.0	± 9.6 %
1001	importation and office	Y	4.43	67.03	16.37	1	150.0	
		Ż	4.55	66.80	16.23		150.0	
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.48	67.10	16.40	0.00	150.0	± 9.6 %
		Y	4.49	67.16	16.47		150.0	
	——————————————————————————————————————	Z	4.61	66.88	16.31		150.0	

10523-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48	x	4.38	67.02	16.28	0.00	150.0	± 9.6 %
	Mbps, 99pc duty cycle)	1.	<u> </u>	<u> </u>		0.00	100.0	1 2.0 %
		Z	4.40	67.08	16.35	<del> </del> _	150.0	
10524-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54	<del>Z</del>	4.49 4.42	66.74	16.15		150.0	ļ
AAA	Mbps, 99pc duty cycle)		<u> </u>	67.02	16.37	0.00	150.0	± 9.6 %
		Y	4.44	67.08	16.44		150.0	
10525-	IEEE 802.11ac WiFi (20MHz, MCS0,	Z	4.56	66.80	16.28	ļ	150.0	ļ
AAA	99pc duty cycle)		4.44	66.11	15.98	0.00	150.0	± 9.6 %
	<del>                                       </del>	Y Y	4.45	66.16	16.04		150.0	
10526-	IEEE 802.11ac WiFi (20MHz, MCS1,	Z	4.54 4.58	65.84	15.87		150.0	
AAA	99pc duty cycle)			66.42	16.11	0.00	150.0	± 9.6 %
		Y Z	4.59	66.48	16.17		150.0	
10527-	IEEE 802.11ac WiFi (20MHz, MCS2,	<del>Z</del> -	4.71	66.22	16.01	<u> </u>	150.0	
AAA	99pc duty cycle)	<u> </u>	4.51	66.39	16.05	0.00	150.0	± 9.6 %
		Y	4.52	66.45	16.12		150.0	
10528-	IEEE 802.11ac WiFi (20MHz, MCS3,	Z	4.63	66.17	15.95	<u> </u>	150.0	
AAA	99pc duty cycle)	X	4.52	66.40	16.08	0.00	150.0	± 9.6 %
		Y	4.54	66.46	16.15		150.0	
10529-	IEEE 802.11ac WiFi (20MHz, MCS4,	Z	4.65	66.19	15.99	<u> </u>	150.0	
AAA	99pc duty cycle)	X	4.52	66.40	16.08	0.00	150.0	± 9.6 %
		Y	4.54	66.46	16.15		150.0	
10531-	IEEE 802.11ac WiFi (20MHz, MCS6,	Z	4.65	66.19	15.99	L	150.0	
AAA	99pc duty cycle)	Х	4.50	66.46	16,08	0.00	150.0	± 9.6 %
	<del> </del>	Υ	4.51	66.53	16.14		150.0	
10532-	IEEE 900 44 on MUE: (OOM)	Z	4.64	66.30	16.00		150.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	Х	4.37	66.32	16.01	0.00	150.0	± 9.6 %
	<del>                                     </del>	Y	4.39	66.39	16.08		150.0	
10533-	IEEE 902 44cc Mic (0044) - MOOO	L <u>Z</u>	4.50	66.15	15.93		150.0	<u> </u>
AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.53	66.48	16.08	0.00	150.0	± 9.6 %
		Y	4.54	66.54	16.15		150.0	
10504		Z	4.66	66.23	15.97		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	5.07	66.45	16.14	0.00	150.0	± 9.6 %
		Υ	5.09	66.50	16.19		150.0	
40505		Z	5.19	66.33	16.06		150.0	
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	5.13	66.62	16.22	0.00	150.0	± 9.6 %
		Y	5.14	66.67	16.27		150.0	<del></del>
10526		Z	5.25	66.51	16.14		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.01	66.59	16.19	0.00	150.0	± 9.6 %
		Y	5.03	66.64	16.24		150.0	
10527	IEEE DOG 44	Z	5.12	66.45	16.09		150.0	
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	Х	5.07	66.55	16.17	0.00	150.0	± 9.6 %
		Υ	5.08	66.59	16.22		150.0	
10520	IEEE 000 44 MIEE	Ζ	5.18	66.42	16.08		150.0	
10538- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	5.14	66.54	16.20	0.00	150.0	± 9.6 %
		Υ	5.15	66.59	16.25		150.0	
10540-	IEEE 000 44 - INCOLUMN	Z	5.27	66.46	16.14		150.0	
10540- A <u>AA</u>	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.07	66.52	16.21	0.00	150.0	± 9.6 %
		Y	5.08	66.57	16.26		150.0	
		Z						

10541- AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	Х	5.05	66.41	16.14	0.00	150.0	± 9.6 %
		Υ	5.06	66.46	16.20		150.0	
		Z	5.17	66.33	16.08		150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	Х	5.21	66.51	16.21	0.00	150.0	± 9.6 %
		Y	5.22	66.55	16.26		150.0	
	-	Z	5.33	66.41	16.13		150.0	
10543- AAA	IEEE 802,11ac WiFi (40MHz, MCS9, 99pc duty cycle)	Х	5.27	66.52	16.24	0.00	150.0	± 9.6 %
		Υ	5.28	66.56	16.29		150.0	
		Z	5.41	66.45	16.18_		150.0	
10544- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	Х	5.40	66.53	16.13	0.00	150.0	± 9.6 %
		Y	5.42	66.58	16.18		150.0	
		Z	5.49	66.45	16.06		150.0	
10545- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.59	66.98	16.30	0.00	150.0	± 9.6 %
		Υ	5.60	67.03	16.36		150.0	
		Z	5.69	66.88	16.22		150.0	
10546- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.45	66.68	16.17	0.00	150.0	± 9.6 %
		Υ	5.46	66.73	16.22		150.0	
		Z	5.56	66.67	16.13		150.0	
10547- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	Х	5.52	66.76	16.20	0.00	150.0	± 9.6 %
		Υ	5.53	66.80	16.25		150.0	
		Z	5.63	66.71	16.14		150.0	
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.72	67.56	16.57	0.00	150.0	± 9.6 %
		Y	5.74	67.62	16.64		150.0	
		Z	5.92	67.73	16.62		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.50	66.81	16.24	0.00	150.0	± 9.6 %
		Υ	5.51	66.85	16.30		150.0	
	-	Z	5.59	66.68	16.14		150.0	
10551- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	Х	5.47	66.72	16.16	0.00	150.0	± 9.6 %
		T	5.48	66.77	16.22		150.0	
		Z	5.59	66.72	16.13		150.0	L
10552- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	Х	5.41	66.62	16.12	0.00	150.0	± 9.6 %
		Y	5.42	66.66	16.16		150.0	
		Z	5.50	66.51	16.03		150.0	
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.48	66.60	16.14	0.00	150.0	± 9.6 %
		Y	5.49	66.65	16.19	<u> </u>	150.0	<u> </u>
		Z_	5.59	66.56	16.08		150.0	<u> </u>
10554- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	Х	5.82	66.88	16.21	0.00	150.0	± 9.6 %
		Y	5.83	66.92	16.26		150.0	<u> </u>
		Z	5.90	66.82	16.15		150.0	
10555- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	Х	5.94	67.15	16.33	0.00	150.0	± 9.6 %
		Y	5.95	67.20	16.38		150.0	<u> </u>
		Z	6.03	67.13	16.28		150.0	<u> </u>
10556- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duly cycle)	Х	5.96	67.23	16.36	0.00	150.0	± 9.6 %
<u> </u>		Υ	5.98	67.27	16.41		150.0	
		Z	6.05	67.17	16.30		150.0	1
10557- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	5.92	67.10	16.31	0.00	150.0	± 9.6 %
/ · · · · -	oopo daij oj siej	Y	5.93	67.14	16.36		150.0	
	+	Ż	6.02	67.08	16.27		150.0	T .

10570- AAA	5.96	67.24	16.39	0.00	150.0	± 9.6 %
10560-	5.97	67.29	16.45	<del> </del>	150.0	+
AAA 99pc duly cycle)	6.07	67.25	16.37	+	150.0	+
Tobel	5.95	67.10	16.36	0.00	150.0	± 9.6 %
Tobest	5.97	67.14	16.41		150.0	<del>                                     </del>
AAA 99pc duly cycle)  10562- AAA 99pc duly cycle)  10562- AAA 99pc duly cycle)  10563- AAA 99pc duly cycle)  10564- AAA 99pc duly cycle)  10564- AAA 99pc duly cycle)  10565- AAA 1 EEE 802.11g WiFi 2.4 GHz (DSSS- AAA 0FDM, 12 Mbps, 99pc duly cycle)  10566- AAA 0FDM, 18 Mbps, 99pc duly cycle)  10567- AAA 1 EEE 802.11g WiFi 2.4 GHz (DSSS- AAA 0FDM, 18 Mbps, 99pc duly cycle)  10568- AAA 1 EEE 802.11g WiFi 2.4 GHz (DSSS- AAA 0FDM, 18 Mbps, 99pc duly cycle)  10567- AAA 1 EEE 802.11g WiFi 2.4 GHz (DSSS- AAA 0FDM, 36 Mbps, 99pc duly cycle)  10568- AAA 1 EEE 802.11g WiFi 2.4 GHz (DSSS- AAA 0FDM, 36 Mbps, 99pc duly cycle)  10569- AAA 1 EEE 802.11g WiFi 2.4 GHz (DSSS- AAA 0FDM, 48 Mbps, 99pc duly cycle)  10570- AAA 1 EEE 802.11g WiFi 2.4 GHz (DSSS- AAA 0FDM, 54 Mbps, 99pc duly cycle)  10571- AAA 1 EEE 802.11b WiFi 2.4 GHz (DSSS, 1 AAA 0FDM, 30pc duly cycle)  10572- AAA 1 EEE 802.11b WiFi 2.4 GHz (DSSS, 2 AAA 0FDM, 90pc duly cycle)  10573- AAA 1 EEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 AAAA 0FDM, 90pc duly cycle)	6.06	67.09	16.33		150.0	<del>                                     </del>
IEEE 1602.11ac WiFi (160MHz, MCS8, X 99pc duty cycle)	5.89	67.09	16.39	0.00	150.0	± 9.6 %
IEEE 1602.11ac WiFi (160MHz, MCS8, Sppc duty cycle)	5.90	67.14	16.45		150.0	
AAA 99pc duty cycle)	5.99	67.06	16.35		150.0	
IEEE 1602.11ac WiFi (160MHz, MCS9, X	5.97	67.34	16.52	0.00	150.0	± 9.6 %
IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	5.98	67.39	16.57		150.0	
AAA 99pc duty cycle)    10564-	6.12	67.47	16.55		150.0	T
10564-   IEEE 802.11g WiFi 2.4 GHz (DSSS-	6.05	67.24	16.43	0.00	150.0	± 9.6 %
Tube	6.06	67.29	16.49		150.0	<del></del>
Tube	6.41	67.91	16.73	1	150.0	<del> </del>
10565-	4.78	66.85	16.41	0.46	150.0	± 9.6 %
Toses	4.80	66.93	16.49		150.0	
AAA	4.91	66.67	16.35		150.0	<del>                                     </del>
10566-   IEEE 802.11g WiFi 2.4 GHz (DSSS-	4.99	67.29	16.74	0.46	150.0	± 9.6 %
Tobes	5.01	67.35	16.80		150.0	<del>                                     </del>
AAA OFDM, 18 Mbps, 99pc duty cycle)    Y   Z	5.14	67.15	16.69		150.0	<del></del> -
Top	4.83	67.11	16.54	0.46	150.0	± 9.6 %
Total	4.84	67.18	16.62		150.0	<del></del>
AAA OFDM, 24 Mbps, 99pc duty cycle)    10568-	4.98	66.99	16.50		150.0	
Total	4.87	67.55	16.94	0.46	150.0	± 9.6 %
Total	4.87	67.57	16.98		150.0	
IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	5.01	67.40	16.87		150.0	
Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Society   Tee   Tee   Society   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee   Tee	4.73	66.85	16.28	0.46	150.0	± 9.6 %
Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Teel   Solution   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Te	4.75	66.97	16.39		150.0	<del></del> -
Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Solution   Teel   Teel   Solution   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Teel   Te	4.88	66.73	16.25			
10570- AAA IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)  Y  10571- AAA Mbps, 90pc duty cycle)  Y  10572- AAA Mbps, 90pc duty cycle)  IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 X Mbps, 90pc duty cycle)  Y  10573- AAA Mbps, 90pc duty cycle)  Y  10574- AAA Mbps, 90pc duty cycle)  Y  IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X Mbps, 90pc duty cycle)  Y  IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X Mbps, 90pc duty cycle)  Y  IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X Mbps, 90pc duty cycle)	4.84	67.72	17.05	0.46	150.0 150.0	± 9.6 %
AAA OFDM, 54 Mbps, 99pc duty cycle)  Y  10571- AAA Mbps, 90pc duty cycle)  Y  10572- AAA Mbps, 90pc duty cycle)  V  10573- AAA Mbps, 90pc duty cycle)  IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 X Mbps, 90pc duty cycle)  Y  2  10573- AAA Mbps, 90pc duty cycle)  Y  10574- AAA Mbps, 90pc duty cycle)  V  Z  10574- AAA Mbps, 90pc duty cycle)  IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X Mbps, 90pc duty cycle)  Y  Z  10574- AAA Mbps, 90pc duty cycle)	4.85	67.73	17.08		150.0	
AAA OFDM, 54 Mbps, 99pc duty cycle)  Y  10571- AAA Mbps, 90pc duty cycle)  Y  10572- AAA Mbps, 90pc duty cycle)  V  10573- AAA Mbps, 90pc duty cycle)  IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 X Mbps, 90pc duty cycle)  Y  Z  10573- AAA Mbps, 90pc duty cycle)  Y  IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X Mbps, 90pc duty cycle)  Y  Z  10574- AAA Mbps, 90pc duty cycle)  IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X Mbps, 90pc duty cycle)	4.96	67.48	16.93		150.0	
10571- AAA  IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 X Mbps, 90pc duty cycle)  Y  10572- AAA  IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 X Mbps, 90pc duty cycle)  Y  10573- AAA  IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X Mbps, 90pc duty cycle)  Y  10574- AAA  IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.1 X Mbps, 90pc duty cycle)	4.86	67.53	16.95	0.46	150.0	± 9.6 %
10571- AAA    IEEE 802.11b WiFi 2.4 GHz (DSSS, 1   X   Mbps, 90pc duty cycle)   Y	4.87	67.55	16.99		150.0	
AAA Mbps, 90pc duty cycle)  Y  10572- AAA Mbps, 90pc duty cycle)  IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 X Mbps, 90pc duty cycle)  Y  Z  10573- AAA Mbps, 90pc duty cycle)  Y  Z  10574- AAA Mbps, 90pc duty cycle)  Y  Z  10574- Mbps, 90pc duty cycle)  X  AAA Mbps, 90pc duty cycle)	5.00	67.32	16.86		150.0	
10572- AAA   IEEE 802.11b WiFi 2.4 GHz (DSSS, 2   X   Mbps, 90pc duty cycle)   Y    10573- AAA   IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5   X   Mbps, 90pc duty cycle)   Y    10574- AAA   IEEE 802.11b WiFi 2.4 GHz (DSSS, 11   X   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty cycle)   X    10574- AAA   Mbps, 90pc duty	1.13	63.98	15.42	0.46	130.0	± 9.6 %
10572- AAA	1.15	64.46	15.85		130.0	
10572- AAA Mbps, 90pc duty cycle)    Column	1.15	63.75	15.28		130.0	
10573- AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 X Mbps, 90pc duty cycle)  Y  10574- AAA IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 X Mbps, 90pc duty cycle)	1.14	64.53	15.78	0.46	130.0	± 9.6 %
105/3-   IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5   X   Mbps, 90pc duty cycle)   Y     Z	1.16	65.03	16.22		130.0	
AAA Mbps, 90pc duty cycle)  Y  Z  10574- IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 X Mbps, 90pc duty cycle)	1.16	64.27	15.61		130.0	
10574- IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 X Mbps, 90pc duly cycle)	1.37	80.51	21.92	0.46	130.0	±9.6 %
AAA Mbps, 90pc duly cycle) X Mbps, 90pc duly cycle)	2.18	89.24	25.44		130.0	
AAA Mbps, 90pc duly cycle) X Mbps, 90pc duly cycle)	1.24	77.68	20.60		130.0	
Y	1.21	70.03	18.74	0.46	130.0	± 9.6 %
	1.26	70.93	19.36		4000	
Z	1.21	69.23	18.24		130.0 130.0	

10575-	IEEE 802.11g WiFi 2.4 GHz (DSSS-	Х	4.55	66.59	16.41	0.46	130.0	± 9.6 %
AAA	OFDM, 6 Mbps, 90pc duty cycle)							
		Υ	4.57	66.69	16.52		130.0	
40570	IEEE OOG (1 MIEE O 1 OM 10 OOG	Z	4.69	66.45	16.40		130.0	<del> : -</del>
10576- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	Х	4.58	66.78	16.50	0.46	130.0	± 9.6 %
		Υ	4.60	66.87	16.60		130.0	
		Z	4.71	66.62	16.47		130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	×	4.76	67.04	16.65	0.46	130.0	± 9.6 %
		Υ	4.78	67.12	16.75		130.0	
40570	JEEE 000 44 - 14/E 0 4 OLL (D000	Z	4.92	66.93	16.65		130.0	
10578- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.67	67.21	16.78	0.46	130.0	± 9.6 %
		Y	4.68	67.27	16.85		130.0	
40570	IEEE 000 44 - WEE: 0.4 OU - /D000	Z	4.82	67.09	16.76	0.40	130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.41	66.37	16.00	0.46	130.0	± 9.6 %
		Y	4.44	66.52	16.15		130.0	
40500	IEEE 000 44# MEE: 0 4 OUT (D000	Z	4.58	66.34	16.04	0.40	130.0	1000
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.45	66.43	16.02	0.46	130.0	± 9.6 %
	<del> </del>	Y	4.49	66.59	16.18		130.0	
40504	VEET 000 44 - WEET 0 4 OU - (D000	Z	4.62	66.36	16.05	0.40	130.0	. 0 0 0/
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	Х	4.57	67.26	16.72	0.46	130.0	± 9.6 %
		Υ	4.58	67.33	16.82		130.0	
40500	1555 000 44 - M/5' 0 4 OH - (5000	Z	4.71	67.12	16.69	0.40	130.0	1000
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.34	66.11	15.76	0.46	130.0	± 9.6 %
		Y	4.38	66.30	15.94		130.0	
10=00	ATTERIOR AND AND ADDRESS OF A SECOND ASSESSMENT OF THE SECOND AND ADDRESS OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSMENT OF THE SECOND ASSESSME	Z	4.52	66.09	15.82_	0.40	130.0	. 0 0 0/
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.55	66.59	16.41	0.46	130.0	± 9.6 %
		Υ	4.57	66.69	16.52		130.0	
10501	TEEE COO 44 & WEE'S OUL (OFFILM O	Z_	4.69	66.45	16.40	0.40	130.0	1000
10584- AAA	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.58	66.78	16.50	0.46	130.0	± 9.6 %
		Y	4.60	66.87	16.60		130.0	<b>.</b>
	1555 000 (1 d 1455) 5 011 (0551) 40	Z	4.71	66.62	16.47	0.40	130.0	1000
10585- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duly cycle)	Х	4.76	67.04	16.65	0.46	130.0	± 9.6 %
		Y	4.78	67.12	16.75	<u> </u>	130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	Z X	4.92 4.67	66.93 67.21	16.65 16.78	0.46	130.0 130.0	± 9.6 %
7771	Mispa, Jope daty Gyore)	Y	4.68	67.27	16.85	-	130.0	<del> </del>
	+	Ż	4.82	67.09	16.76		130.0	1
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.41	66.37	16.00	0.46	130.0	± 9.6 %
		T	4.44	66.52	16.15		130.0	1
		z	4.58	66.34	16.04		130.0	
10588- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.45	66.43	16.02	0.46	130.0	± 9.6 %
		Υ	4.49	66.59	16.18		130.0	
		Z	4.62	66.36	16.05		130.0	ļ
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	Х	4.57	67.26	16.72	0.46	130.0	± 9.6 %
		Y	4.58	67.33	16.82		130.0	ļ
		Z	4.71	67.12	16.69		130.0	<u> </u>
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.34	66.11	15.76	0.46	130.0	± 9.6 %
		Y	4.38	66.30	15.94		130.0	
		Z	4.52	66.09	15.82		130.0	

10591-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.71	66.67	16.53	0.46	130.0	± 9.6 %
<u> </u>	MCS0, 90pc duty cycle)		<u> </u>					
		Y	4.73	66.75	16.62		130.0	
10592-	IEEE 802.11n (HT Mixed, 20MHz,	_ Z	4.84	66.53	16.51		130.0	
AAA	MCS1, 90pc duly cycle)	X	4.84	66.99	16.66	0.46	130.0	± 9.6 %
	<del>                                     </del>	Y	4.86	67.07	16.75		130.0	
10593-	IEEE 802.11n (HT Mixed, 20MHz,	Z	5.00	66.87	16.64		130.0	
_AAA	MCS2, 90pc duty cycle)	X	4.76	66.86	16.52	0.46	130.0	± 9.6 %
	<del>                                     </del>	<u> Y</u>	4.78	66.96	16.62		130.0	
10594-	IEEE 802.11n (HT Mixed, 20MHz,	Z	4.92	66.77	16.52		130.0	
AAA	MCS3, 90pc duty cycle)	X	4.82	67.05	16.69	0.46	130.0	± 9.6 %
	<del>                                     </del>	Y	4.84	67.13	16.78		130.0	
10595-	IEEE 802.11n (HT Mixed, 20MHz,	Z	4.97	66.94	16.68		130.0	
AAA	MCS4, 90pc duty cycle)	X	4.78	67.01	16.59	0.46	130.0	± 9.6 %
	<del> </del>	<u> Y</u>	4.80	67.10	16.69		130.0	
10596-	IEEE 802.11n (HT Mixed, 20MHz,	Z	4.94	66.89	16.57		130.0	
AAA	MCS5, 90pc duty cycle)	X	4.71	66.98	16.58	0.46	130.0	± 9.6 %
	<del> </del>	<u> </u>	4.73	67.08	16.69		130.0	
10597-	IEEE 900 44% (UTAP 1 00) III	Z	4.87	66.88	16.57		130.0	T
AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	Х	4.66	66.85	16.44	0.46	130.0	± 9.6 %
	<del></del>	Υ	4.69	66.96	16.56		130.0	
10598-	JEEE 000 44 - WITH	Z	4.82	66.78	16.45		130.0	<del>                                     </del>
AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.65	67.11	16.73	0.46	130.0	± 9.6 %
	<del></del>	_ <u> </u>	4.67	67.18	16.81		130.0	
10500	IFFE AND ALL DESCRIPTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF TH	_	4.81	67.03	16.73		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.39	67.16	16.75	0.46	130.0	± 9.6 %
		_   Y	5.40	67.23	16.84	†———	130.0	
10000		Z	5.52	67.11	16.73		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	X	5.51	67.57	16.93	0.46	130.0	± 9.6 %
		_ <u>Y</u>	5.53	67.67	17.03		130.0	<del></del>
10001		_	5.67	67.58	16.94		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.40	67.32	16.82	0.46	130.0	± 9.6 %
		_   Y	5.42	67.41	16.92		130.0	
40000		Z	5.55	67.30	16.82		130.0	<del>'</del>
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duly cycle)	_ X	5.53	67.48	16.82	0.46	130.0	± 9.6 %
	<del> </del>	Y	5.55	67.58	16.92		130.0	
10602	IEEE 000 44 WEST	Z	5.64	67.31	16.73		130.0	
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	Х	5.60	67.77	17.10	0.46	130.0	± 9.6 %
		Υ	5.62	67.84	17.19		130.0	
10604-	IEEE 000 44 "IEEE	Z	5.72	67.63	17.03		130.0	
10604- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.48	67.44	16.92	0.46	130.0	± 9.6 %
	<del> </del>	_   Y	5.50	67.51	17.01		130.0	
10605-	IEEE 000 44 . " := > ::	Z	5.52	67.07	16.74		130.0	
AAA 	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	_ X	5.51	67.48	16.93	0.46	130.0	± 9.6 %
		Y	5.53	67.59	17.04		130.0	
10606	JEEE 800 44 " " " " " " " " " " " " " " " " "	Z	5.64	67.42	16.91		130.0	
10606- NAA	IEEE 802.11n (HT Mixed, 40MHz,	X	5.24	66.77	16.43	0.46	130.0	± 9.6 %
	MCS7, 90pc duty cycle)	_	0.24	00.17	10.40	0.40	130.0	£ 9.0 %
AAA	MCS7, 90pc duty cycle)	Y	5.27	66.88	16.54		130.0	<u> </u>

10607-	IEEE 802.11ac WiFi (20MHz, MCS0,	X	4.56	66.02	16.17	0.46	130.0	± 9.6 %
AAA	90pc duty cycle)	1		_				
	_	Y	4.58	66.11	16.27		130.0	
		Z	4.68	65.84	16.13		130.0_	
10608- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.71	66.38	16.33	0.46	130.0	± 9.6 %
		Y	4.74	66.48	16.43		130.0	
		Z	4.87	66.25	16.30		130.0	
10609- AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.60	66.21	16.15	0.46	130.0	± 9.6 %
		Y	4.63	66.32	16.26		130.0	
		Z	4.75	66.09	16.13		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.66	66.38	16.32	0.46	130.0	± 9.6 %
		Y	4.68	66.48	16.42		130.0	_
		Z	4.81	66.25	16.30		130.0	_
10611- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.57	66.17	16.16	0.46	130.0	± 9.6 %
		Υ	4.59	66.28	16.27		130.0	
		Z	4.72	66.06	16.14		130.0	
10612- AAA	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	Х	4.57	66.31	16.20	0.46	130.0	± 9.6 %
		Υ	4.59	66.44	16.32		130.0	
		Z	4.73	66.20	16.18		130.0	
10613- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	Х	4.56	66.14	16.05	0.46	130.0	± 9.6 %
		Υ	4.59	66.27	16.18		130.0	
		Z	4.73	66.09	16.06		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.53	66.39	16.32	0.46	130.0	±9.6 %
-		Y	4.55	66.47	16.42		130.0	
		Z	4.68	66.29	16.31		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	Х	4.56	65.98	15.91	0.46	130.0	± 9.6 %
		Υ	4.59	66.13	16.05		130.0	
		Z	4.72	65.87	15.91_		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.20	66.41	16.36	0.46	130.0	±9.6 %
-		Y	5.22	66.48	16.45		130.0	
		Z	5.34	66.37	16.34		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.27	66.60	16.43	0.46	130.0	± 9.6 %
	<u></u>	Y	5.29	66.69	16.53		130.0	
		Z	5.41	66.54	16.40		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	×	5.17	66.64	16.47	0.46	130.0	± 9.6 %
		Υ	5.19	66.72	16.55		130.0	ļ
		Z	5.29	66.54	16.42		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	Х	5.17	66.40	16.28	0.46	130.0	± 9.6 %
		Y	5.19	66.49	16.38		130.0	
_		Z	5.31	66.37	16.27		130.0	
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duly cycle)	Х	5.25	66.42	16.34	0.46	130.0	± 9.6 %
		Y	5.27	66.52	16.44	<u> </u>	130.0	
		Z	5.40	66.41	16.34	<u> </u>	130.0	<u> </u>
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.27	66.59	16.55	0.46	130.0	± 9.6 %
		Y	5.28	66.65	16.62		130.0	
		Z	5.40	66.53	16.52		130.0	
10622- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duly cycle)	X	5.27	66.70	16.60	0.46	130.0	± 9.6 %
		Y	5.28	66.78	16.68		130.0	
<b>-</b>	<del>                                     </del>	Z	5.41	66.70	16.60		130.0	

10623- AAA	IEEE 802.11ac WiFi (40MHz, MCS7,	Х	5.14	66.21	16.21	0.46	130.0	± 9.6 %
AAA —	90pc duty cycle)	<del>ب</del> ۔	<u> </u>					20.070
		Y Z	5.16	66.31	16.32	<u> </u>	130.0	
10624-	IEEE 802.11ac WiFi (40MHz, MCS8,	$\frac{1}{X}$	5.28	66.20	16.22	<del> </del>	130.0	
AAA	90pc duty cycle)		5.34	66.45	16.40	0.46	130.0	± 9.6 %
		Y 7	5.36	66.54	16.49		130.0	
10625-	IEEE 802.11ac WiFi (40MHz, MCS9,	Z	5.48	66.42	16.39	<u> </u>	130.0	<u> </u>
AAA	90pc duty cycle)		5.55	66.97	16.72	0.46	130.0	± 9.6 %
		Y	5.57	67.07	16.81		130.0	
10626-	IEEE 802.11ac WiFi (80MHz, MCS0,	Z X	5.88 5.53	67.48	16.97	+	130.0	
AAA	90pc duty cycle)		<u> </u>	66.46	16.32	0.46	130.0	± 9.6 %
		Y	5.54	66.54	16,40	- L	130.0	
10627-	IEEE 802.11ac WiFi (80MHz, MCS1,	Z	5.63	66.43	16.30		130.0	
AAA	90pc duty cycle)		5.77	67.07	16.59	0.46	130.0	± 9.6 %
		Y	5.79	67.16	16.68		130.0	
10628-	IEEE 802.11ac WiFi (80MHz, MCS2,	Z	5.88	67.02	16.56	<u> </u>	130.0	
AAA	90pc duty cycle)	X	5.53	66.46	16.22	0.46	130.0	± 9.6 %
		Y	5.55	66.56	16.32		130.0	
10629-	IEEE 802.11ac WiFi (80MHz, MCS3,	Z	5.67	66.54	16.25		130.0	
AAA	90pc duty cycle)	X	5.62	66.57	16.27	0.46	130.0	± 9.6 %
	<del></del>	<u> </u>	5.64	66.67	16.37		130.0	
10630-	IEEE 802.11ac WiFi (80MHz, MCS4,	Z	5.76	66.64	16.29	<u> </u>	130.0	
AAA	90pc duty cycle)	X	5.96	67.80	16.88	0.46	130.0	± 9.6 %
	<del> </del>	<u> </u>	5.98	67.92	17.00		130.0	
10631-	IEEE 802.11ac WiFi (80MHz, MCS5,	Z	6.25	68.26	17.09		130.0	
AAA	90pc duty cycle)	X	5.89	67.74	17.06	0.46	130.0	± 9.6 %
	<del> </del>	Y_	5.91	67.78	17.11		130.0	
10632-	IEEE 802.11ac WiFi (80MHz, MCS6,	<u>Z</u>	6.11	67.97	17.16		130.0	
AAA	90pc duty cycle)	X	5.75	67.20	16.81	0.46	130.0	± 9.6 %
	<del> </del>	Υ	5.76	67.24	16.86		130.0	
10633-	IEEE 000 44 as MIE' (00) HILL MAD	Z	5.85	67.08	16.73	[	130.0	-
AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.60	66.69	16.37	0.46	130.0	± 9.6 %
	<del> </del>	Υ	5.62	66.77	16.45		130.0	
10634-	IEEE 802.11ac WiFi (80MHz, MCS8,	<u>Z</u>	<u>5.73</u>	66.69	16.36		130.0	
AAA	90pc duty cycle)	Х	5.58	66.71	16.44	0.46	130.0	± 9.6 %
	<del></del>	Y	5.60	66.78	16.51		130.0	
10635-	IEEE 802.11ac WiFi (80MHz, MCS9,	Z	5.72	66.73	16.44		130.0	
AAA	90pc duty cycle)	Х	5.44	65.95	15.77	0.46	130.0	± 9.6 %
	<del> </del>	<u>Y</u>	5.47	66.09	15.91		130.0	
10636-	IEEE 1602 1100 MEE: (4001 H)	Z	5.60	66.05	15.82		130.0	
AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.96	66.83	16.41	0.46	130.0	± 9.6 %
	<del> </del>	Y	5.97	66.90	16.49		130.0	
10637-	IEEE 1602.11ac WiFi (160MHz, MCS1,	Z	6.05	66.82	16.40		130.0	
AAA	90pc duty cycle)	Х	6.10	67.19	16.58	0.46	130.0	± 9.6 %
	<del> </del>	Y	6.12	67.27	16.66		130.0	
10638-	IFFE 1602 1100 WIE: (400) # 1 110	Z	6.21	67.21	16.58		130.0	
<u>AAA</u>	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.10	67.17	16.54	0.46	130.0	± 9.6 %
		Y	6.12	67.25	16.63		130.0	
	<u>. </u>	Z	6.21	67.17	16.54		130.0	

10639-	IEEE 1602.11ac WiFi (160MHz, MCS3,	X	6.07	67.09	16.55	0.46	130.0	± 9.6 %
AAA	90pc duty cycle)	1						
		Υ	6.09	67.17	16.63		130.0	
		Z	6.19	67.14	16.56		130.0	
10640- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	6.06	67.06	16.47	0.46	130.0	± 9.6 %
		Y	6.08	67.16	16.57		130.0	
		Z	6.19	67.15	16.51	_	130.0_	
10641- AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	6.13	67.06	16.49	0.46	130.0	±9.6 %
		Υ	6.15	67.15	16.59		130.0	
		Z	6.23	67.02	16.46		130.0	
10642- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.16	67.29	16.78	0.46	130.0	± 9.6 %
		Y	6.17	67.34	16.84		130.0	
		Z	6.28	67.31	16.78		130.0	
10643- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	Х	6.00	66.97	16.51	0.46	130.0	± 9.6 %
		Y	6.02	67.06	16.61		130.0	
		Z	6.11	66.97	16.50		130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	Х	6.09	67.26	16.67	0.46	130.0	± 9.6 %
		Y	6.12	67.36	16.77		130.0	
		Z	6.29	67.52	16.80		130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.23	67.33	16.67	0.46	130.0	± 9.6 %
		Y	6.26	67.42	16.77		130.0	
		Z	6.72	68.38	17.18		130.0	
10646- AAC	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	Х	7.97	91.85	31.39	9.30	60.0	± 9.6 %
		Y	11.74	104.28	36.86		60.0	
		Z	11.88	99.49	34.28		60.0	
10647- AAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	7.13	89.84	30.79	9.30	60.0	± 9.6 %
		Y	9.93	100.75	35.82	1	60.0	
		Z	10.62	97.47	33.72		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.64	63.39	10.24	0.00	150.0	± 9.6 %
		Y	0.67	63.88	10.62		150.0	
		Z	0.72	63.48	11.02		150.0	

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

# APPENDIX D: SAR TISSUE SPECIFICATIONS

Measurement Procedure for Tissue verification:

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

$$Y = \frac{j2\omega\varepsilon_{r}\varepsilon_{0}}{\left[\ln(b/a)\right]^{2}} \int_{a}^{b} \int_{a}^{b} \int_{0}^{a} \cos\phi' \frac{\exp\left[-j\omega r(\mu_{0}\varepsilon_{r}'\varepsilon_{0})^{1/2}\right]}{r} d\phi' d\rho' d\rho$$

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

Table D-I
Composition of the Tissue Equivalent Matter

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

FCC ID A3LSMJ250M	PCTEST	SAR EVALUATION REPORT	SAMSUNG	Approved by:  Quality Manager	
Test Dates:	DUT Type:			APPENDIX D:	
11/06/17 - 11/27/17	Portable Handset			Page 1 of 4	

#### 2 Composition / Information on ingredients

The Item is composed of the following ingredients:

Water, 35 - 58% H₂O

Sucrose Sugar, white, refined, 40 - 60% NaCl Sodium Chloride, 0 - 6%

Hydroxyethyl-cellulose Medium Viscosity (CAS# 9004-62-0), <0.3%

Preservative: aqueous preparation, (CAS# 55965-84-9), containing Preventol-D7 5-chloro-2-methyl-3(2H)-isothiazolone and 2-methyyl-3(2H)-isothiazolone,

0.1 - 0.7%

Relevant for safety; Refer to the respective Safety Data Sheet*.

## Figure D-1 Composition of 750 MHz Head and Body Tissue Equivalent Matter

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

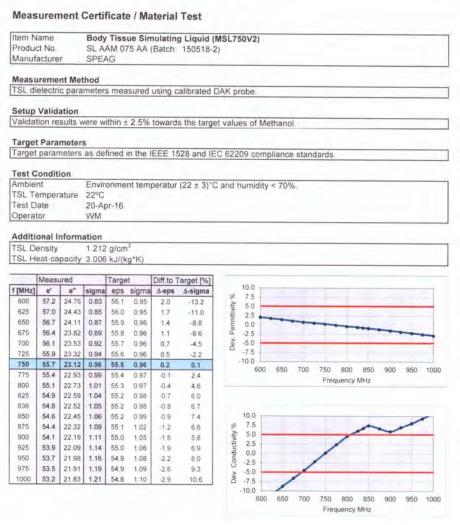


Figure D-2 750MHz Body Tissue Equivalent Matter

	FCC ID A3LSMJ250M	PETEST"	SAR EVALUATION REPORT	SAMSUNG	Approved by:  Quality Manager
	Test Dates:	DUT Type:			APPENDIX D:
	11/06/17 - 11/27/17	Portable Handset			Page 2 of 4
201	7 PCTEST Engineering Laboratory,	Inc.			REV 20.05 M

### Measurement Certificate / Material Test

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

## Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

## Setup Validation

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

#### **Target Parameters**

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

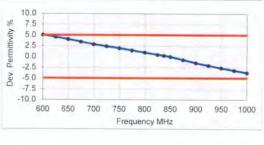
#### **Test Condition**

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

#### Additional Information

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

	Measi	ured		Targe	rt	Diff.to T	arget [%]
f [MHz]	e'	е"	sigma	eps	sigma		Δ-sigma
600	44.9	22.60	0.75	42.7	0.88	5.1	-14.4
625	44.5	22.37	0.78	42.6	0.88	4.5	-12.0
650	44.2	22.13	0.80	42.5	0.89	4.0	-9.6
675	43.8	21.90	0.82	42.3	0.89	3.4	-7.4
700	43.4	21.67	0.84	42.2	0.89	2.8	-5.1
725	43.1	21.52	0.87	42.1	0.89	2.4	-2.6
750	42.8	21.37	0.89	41.9	0.89	2.0	-0.2
775	42.4	21.21	0.91	41.8	0.90	1.5	2.1
800	42.1	21.04	0.94	41.7	0.90	0.9	4.4
825	41.8	20.92	0.96	41.6	0.91	0.5	5.9
838	41.6	20.86	0.97	41.5	0.91	0.2	6.6
850	41.5	20.79	0.98	41.5	0.92	0.0	7.3
875	41.2	20.68	1.01	41.5	0.94	-0.7	6.7
900	40.9	20.56	1,03	41.5	0.97	-1.5	6.1
925	40.6	20.48	1.05	41.5	0.98	-2.0	7.3
950	40.3	20.39	1.08	41.4	0.99	-2.6	8.3
975	40.1	20.29	1.10	41.4	1.00	-3.2	9.5
1000	39.8	20.20	1.12	41.3	1.01	-3.7	10.7



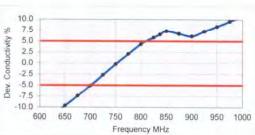


Figure D-3 750MHz Head Tissue Equivalent Matter

FCC ID A3LSMJ250M	POTEST*	SAR EVALUATION REPORT	SAMSUNG	Approved by:  Quality Manager
Test Dates:	DUT Type:			APPENDIX D:
11/06/17 - 11/27/17	Portable Handset			Page 3 of 4

3 Composition / Information on ingredients The Item is composed of the following ingredients: 50 - 73 % 25 - 50 % Water polyoxyethylenesorbitan monolaurate Non-ionic detergents NaCl 0.05 - 0.1% Preventol-D7 Preservative Safety relevant ingredients: CAS-No. 55965-84-9 < 0.1 % aqueous preparation, containing 5-chloro-2-methyl-3(2H)isothiazolone and 2-methyyl-3(2H)-isothiazolone <50 % polyoxyethylenesorbitan monolaurate CAS-No 9005-64-5 According to international guidelines, the product is not a dangerous mixture and therefore not required to be marked by symbols.

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

**Note:** 2.4 GHz head liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

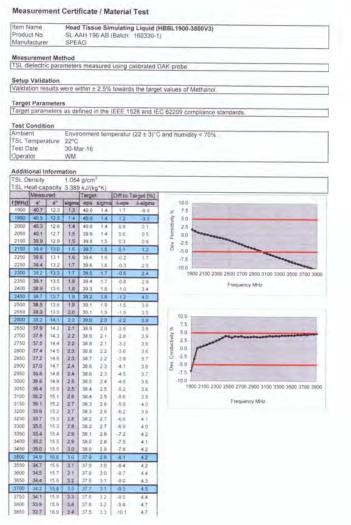


Figure D-5
2.4 GHz Head Tissue Equivalent Matter

FCC ID A3LSMJ250M	PCTEST	SAK EVALUATION KEPUKT		Approved by: Quality Manager
Test Dates:	DUT Type:			APPENDIX D:
11/06/17 - 11/27/17	Portable Handset			Page 4 of 4

## APPENDIX E: SAR SYSTEM VALIDATION

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

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

Table E-1
SAR System Validation Summary

	or are of orders and an area of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of the contraction of													
SAR	FREQ.		PROBE	PROBE			COND.	PERM.	C	W VALIDATIO	N	M	OD. VALIDATIO	N
SYSTEM	[MHz]	DATE	SN	TYPE	PROBE C	AL. POINT	(σ)	(er)	SENSITIVITY	PROBE	PROBE	MOD.	DUTY	PAR
#	[IVII IZ]		SIN				(0)	(13)	SLINGITIVITI	LINEARITY	ISOTROPY	TYPE	FACTOR	FAR
G	750	8/30/2017	3332	ES3DV3	750	Head	0.911	43.081	PASS	PASS	PASS	N/A	N/A	N/A
K	835	5/2/2017	7406	EX3DV4	835	Head	0.896	40.478	PASS	PASS	PASS	GMSK	PASS	N/A
E	1750	4/18/2017	3319	ES3DV3	1750	Head	1.373	39.389	PASS	PASS	PASS	N/A	N/A	N/A
Н	1750	8/30/2017	7410	EX3DV4	1750	Head	1.395	38.864	PASS	PASS	PASS	N/A	N/A	N/A
G	1900	8/31/2017	3332	ES3DV3	1900	Head	1.457	40.398	PASS	PASS	PASS	GMSK	PASS	N/A
E	2450	4/3/2017	3319	ES3DV3	2450	Head	1.869	38.994	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
E	2600	4/3/2017	3319	ES3DV3	2600	Head	2.038	38.360	PASS	PASS	PASS	TDD	PASS	N/A
D	750	11/6/2017	3318	ES3DV3	750	Body	0.961	54.445	PASS	PASS	PASS	N/A	N/A	N/A
G	835	10/11/2017	3332	ES3DV3	835	Body	0.999	52.814	PASS	PASS	PASS	GMSK	PASS	N/A
J	1750	6/5/2017	3209	ES3DV3	1750	Body	1.474	51.981	PASS	PASS	PASS	N/A	N/A	N/A
D	1750	11/13/2017	3318	ES3DV3	1750	Body	1.477	52.918	PASS	PASS	PASS	N/A	N/A	N/A
J	1900	6/15/2017	3209	ES3DV3	1900	Body	1.552	52.203	PASS	PASS	PASS	GMSK	PASS	N/A
I	2450	5/10/2017	3213	ES3DV3	2450	Body	2.003	51.944	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
I	2600	5/10/2017	3213	ES3DV3	2600	Body	2.207	51.200	PASS	PASS	PASS	TDD	PASS	N/A

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

FCC ID A3LSMJ250M	PCTEST*	SAR EVALUATION REPORT	SAMSUNG	Approved by: Quality Manager
Test Dates: 11/06/17 - 11/27/17	<b>DUT Type:</b> Portable Handset			APPENDIX E: Page 1 of 1