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Accreditation No.: SCS 0108

Certificate No: EX3-7313_Jan17

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

UL Korea (Dymstec)

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7313

Calibration procedure(s)

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

Calibration date:

January 30, 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 $(22 \pm 3)^{\circ}$ 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:

Leif Klysner

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: February 1, 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





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Glossary:

TSL NORMx,y,z

tissue simulating liquid sensitivity in free space

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

CF

crest factor (1/duty_cycle) of the RF signal

A, B, C, D

modulation dependent linearization parameters

Polarization φ

φ rotation around probe axis

Polarization 9

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

i.e., $\vartheta = 0$ is normal to probe axis

Connector Angle

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

Calibration is Performed According to the Following Standards:

- a) IEEE Std 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013
- b) IEC 62209-1, "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: EX3-7313_Jan17

Probe EX3DV4

SN:7313

Manufactured: April 3, 2014

Calibrated:

January 30, 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	0.39	0.44	0.52	± 10.1 %
DCP (mV) ^B	99.0	107.3	99.4	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Unc ^t (k=2)
0	CW	X	0.0	0.0	1.0	0.00	137.7	±2.7 %
		Y	0.0	0.0	1.0		152.2	
		Z	0.0	0.0	1.0		158.2	

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).

Numerical integritation 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.

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	10.42	10.42	10.42	0.57	0.81	± 12.0 %
835	41.5	0.90	10.02	10.02	10.02	0.51	0.80	± 12.0 %
1640	40.3	1.29	8.41	8.41	8.41	0.36	0.80	± 12.0 %
1750	40.1	1.37	8.30	8.30	8.30	0.34	0.80	± 12.0 %
1900	40.0	1.40	8.05	8.05	8.05	0.37	0.85	± 12.0 %
2100	39.8	1.49	8.22	8.22	8.22	0.29	0.90	± 12.0 %
2450	39.2	1.80	7.36	7.36	7.36	0.33	0.85	± 12.0 %
2600	39.0	1.96	7.14	7.14	7.14	0.30	0.90	± 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.

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.

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	10.00	10.00	10.00	0.44	0.87	± 12.0 %
835	55.2	0.97	9.81	9.81	9.81	0.42	0.88	± 12.0 %
1640	53.8	1.40	8.45	8.45	8.45	0.37	0.80	± 12.0 %
1750	53.4	1.49	8.02	8.02	8.02	0.41	0.83	± 12.0 %
1900	53.3	1.52	7.81	7.81	7.81	0.44	0.80	± 12.0 %
2100	53.2	1.62	8.29	8.29	8.29	0.39	0.80	± 12.0 %
2450	52.7	1.95	7.45	7.45	7.45	0.39	0.80	± 12.0 %
2600	52.5	2.16	7.24	7.24	7.24	0.28	0.95	± 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.

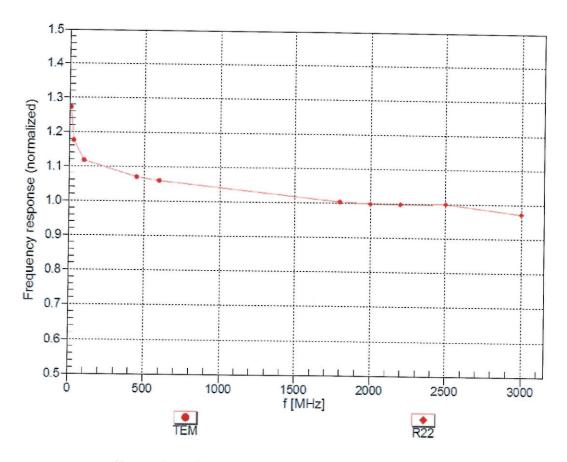
At frequencies below 3 GHz, the validity of tissue parameters (c and o) can be relaxed to ± 10% if liquid compensation formula is applied to

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

the ConvF uncertainty for indicated target tissue parameters.

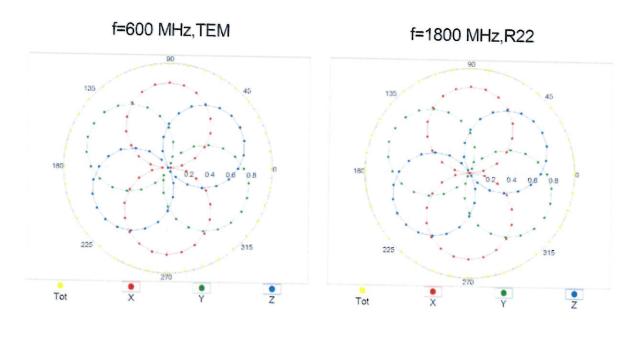
Galpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

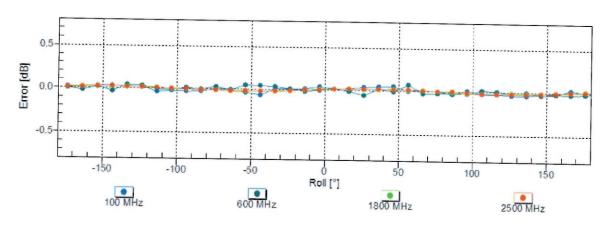
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

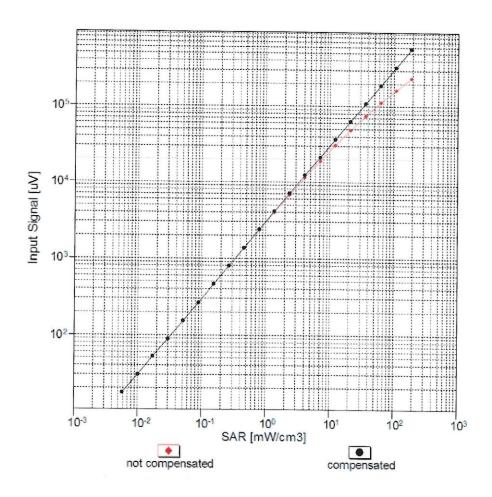
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

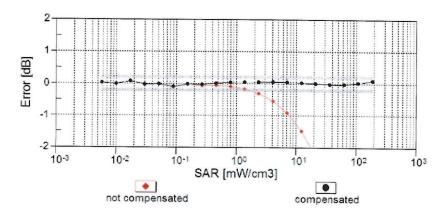




Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

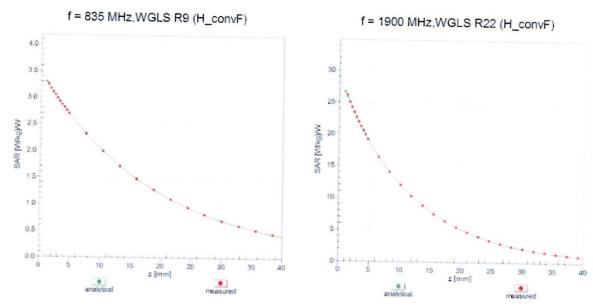
Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)



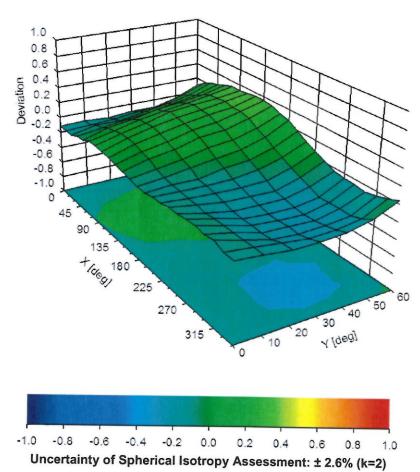


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



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



Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	
Mechanical Surface Detection Mode	66.2
	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	
Tip Diameter	9 mm
Probe Tip to Sensor X Calibration Point	2.5 mm
	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







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Accreditation No.: SCS 0108

Certificate No: EX3-7314_Sep16

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Client

UL Korea (Dymstec)

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7314

Calibration procedure(s)

QA CAL-01.v9, QA CAL-14.v4, QA CAL-23.v5, QA CAL-25.v6

Calibration procedure for dosimetric E-field probes

Calibration date:

September 27, 2016

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration	
Power meter NRP	r NRP SN: 104778 06-Apr-16 (No		Apr-17	
Power sensor NRP-Z91	SN: 103244	06-Apr-16 (No. 217-02288)	Apr-17	
Power sensor NRP-Z91	SN: 103245	06-Apr-16 (No. 217-02289)	Apr-17	
Reference 20 dB Attenuator	SN: S5277 (20x)	05-Apr-16 (No. 217-02293)	Apr-17	
Reference Probe ES3DV2	SN: 3013	31-Dec-15 (No. ES3-3013_Dec15)	Dec-16	
DAE4	SN: 660	23-Dec-15 (No. DAE4-660_Dec15)	Dec-16	
Secondary Standards	ID	Check Date (in house)	Scheduled Check	
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-16)	In house check: Jun-18	
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-16)	In house check: Jun-18	
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-16)	In house check: Jun-18	
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-16)	In house check: Jun-18	
Network Analyzer HP 8753E	SN: US37390585	18-Oct-01 (in house check Oct-15)	In house check: Oct-16	

Calibrated by:

Leif Klysner

Laboratory Technician

Approved by:

Katja Pokovic

Technical Manager

Issued: September 29, 2016

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Certificate No: EX3-7314_Sep16 Page 1 of 38

Calibration Laboratory of

Schmid & Partner
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Glossary:

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

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

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

Polarization φ φ rotation around probe axis

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

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

Connector Angle information used in 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).

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Probe EX3DV4

SN:7314

Manufactured: April 3, 2014

Calibrated:

September 27, 2016

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

EX3DV4-- SN:7314

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7314

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (μV/(V/m) ²) ^A	0.46	0.41	0.49	± 10.1 %
DCP (mV) ^B	100.5	95.6	97.5	

September 27, 2016

Modulation Calibration Parameters

UID	Communication System Name		Α	В	С	D	VR	Unc
			dB	dB√μV		dB	mV	(k=2)
0	CW	X	0.0	0.0	1.0	0.00	175.1	±3.5 %
		Y	0.0	0.0	1.0		170.6	
		Z	0.0	0.0	1.0		163.2	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1	C2	α	T1	T2	Т3	T4	T5	T6
	fF	fF	V ⁻¹	ms.V ⁻²	ms.V⁻¹	ms	V-2	V-1	
Χ	49.33	371.8	36.54	11.34	0.876	5.017	1.395	0.208	1.007
Υ	48.86	369.3	36.46	11.22	0.965	4.986	0	0.423	1.004
Z	56.52	434.1	37.92	6.605	0.912	5.1	1.916	0.205	1.014

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.

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

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity (S/m) ^F	ConvF X	ConvF Y	ConvF Z	Aipha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	10.55	10.55	10.55	0.48	0.89	± 12.0 %
835	41.5	0.90	10.18	10.18	10.18	0.36	0.99	± 12.0 %
1750	40.1	1.37	8.62	8.62	8.62	0.32	0.80	± 12.0 %
1900	40.0	1.40	8.25	8.25	8.25	0.34	0.81	± 12.0 %
2100	39.8	1.49	8.40	8.40	8.40	0.34	0.80	± 12.0 %
2300	39.5	1.67	7.80	7.80	7.80	0.30	0.92	± 12.0 %
2450	39.2	1.80	7.42	7.42	7.42	0.30	0.95	± 12.0 %
2600	39.0	1.96	7.27	7.27	7.27	0.33	0.93	± 12.0 %
5200	36.0	4.66	5.43	5.43	5.43	0.35	1.80	± 13.1 %
5300	35.9	4.76	5.07	5.07	5,07	0.40	1.80	± 13.1 %
5500	35.6	4.96	5.11	5.11	5.11	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.82	4.82	4.82	0.45	1.80	± 13.1 %
5800	35.3	5.27	4.79	4.79	4.79	0.45	1.80	± 13.1 %

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

validity can be extended to \pm 110 MHz.

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

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	10.33	10.33	10.33	0.41	0.84	± 12.0 %
835	55.2	0.97	10.11	10.11	10.11	0.40	0.91	± 12.0 %
1750	53.4	1.49	8.24	8.24	8.24	0.37	0.80	± 12.0 %
1900	53.3	1.52	7.96	7.96	7.96	0.44	0.80	± 12.0 %
2100	53.2	1.62	8.42	8.42	8.42	0.36	0.80	± 12.0 %
2300	52.9	1.81	7.71	7.71	7.71	0.44	0.84	± 12.0 %
2450	52.7	1.95	7.43	7.43	7.43	0.39	0.88	± 12.0 %
2600	52.5	2.16	7.31	7.31	7.31	0.31	0.95	± 12.0 %
5200	49.0	5.30	4.65	4.65	4.65	0.50	1.90	± 13.1 %
5300	48.9	5.42	4.46	4.46	4.46	0.50	1.90	± 13.1 %
5500	48.6	5.65	3.99	3.99	3.99	0.55	1.90	± 13.1 %
5600	48.5	5.77	3.81	3.81	3.81	0.60	1.90	± 13.1 %
5800	48.2	6.00	4.02	4.02	4.02	0.60	1.90	± 13.1 %

^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.

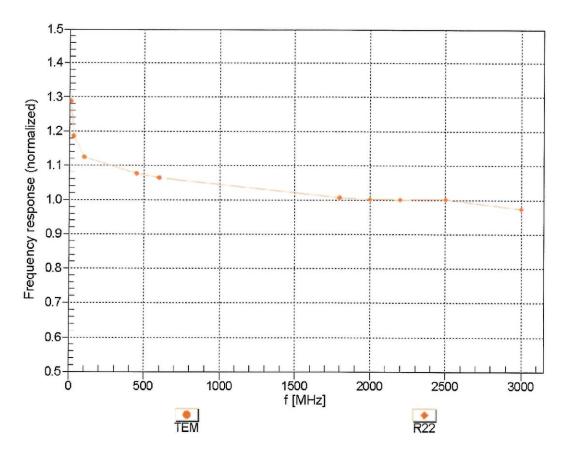
validity can be extended to \pm 110 MHz.

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

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)

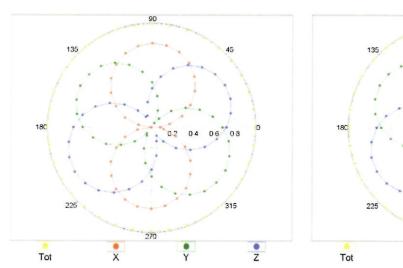


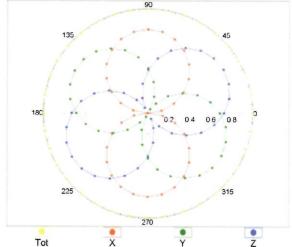
Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

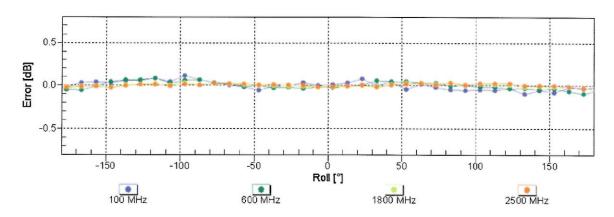
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$



f=1800 MHz,R22



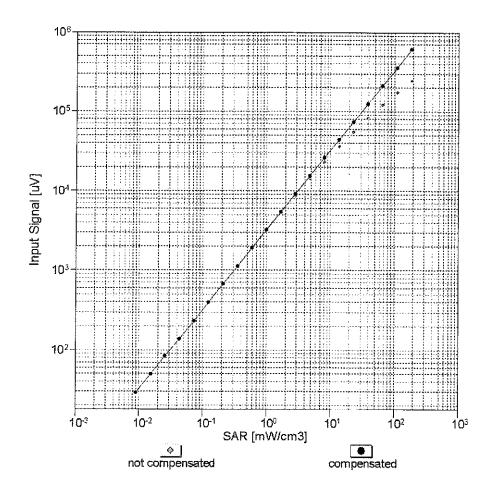


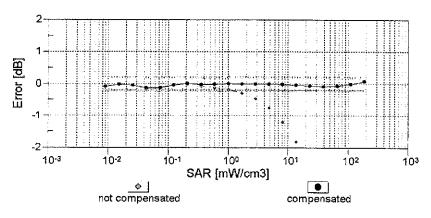


Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

Dynamic Range f(SAR_{head})

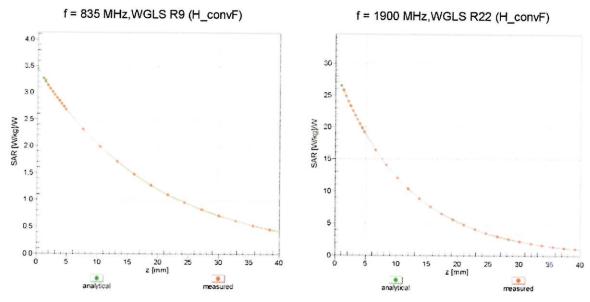
(TEM cell , f_{eval}= 1900 MHz)



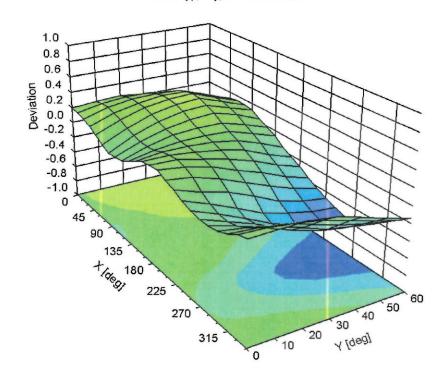


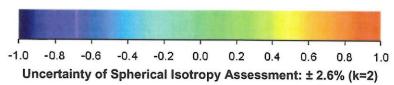
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

Conversion Factor Assessment



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





Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	93.1
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Appendix: Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Max Unc ^E
0	CW		-		<u> </u>			(k=2)
	CVV	X	0.00	0.00	1.00	0.00	175.1	± 3.5 %
		Z	0.00	0.00	1.00	-	170.6 163.2	ļ
10010- CAA	SAR Validation (Square, 100ms, 10ms)	X	3.28	68.90	12.15	10.00	20.0	± 9.6 %
		Y	2.76	66.67	11.09	 	20.0	<u> </u>
10011-	LIMITO EDD (MODAM)	Z	65.73	105.60	24.52		20.0	<u> </u>
CAB	UMTS-FDD (WCDMA)	X	1.91	79.48	21.81	0.00	150.0	±9.6%
		Y	1.10	68.39	16.06		150.0	
10012-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	$\frac{1}{X}$	3.19 1.27	89.59 66.30	26.16 17.49	0.44	150.0	
CAB	Mbps)			00.50	17.49	0.41	150.0	± 9.6 %
		Y	1.18	63.90	15.40		150.0	
10013-	JEEF 200 44- MEET 0 4 OU (DOGG	Z	1.31	67.28	18.66		150.0	
CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	X	4.93	66.96	17.47	1.46	150.0	± 9.6 %
		Y	4.87	66.50	16.97		150.0	
10021-	GSM-FDD (TDMA, GMSK)	Z	5.06 100.00	67.18 113.31	17.91 27.35	9.39	150.0 50.0	± 9.6 %
DAB					27.00	9.59	30.0	I 9.0 %
		Y	22.50	93.07	21.82		50.0	
10023-	GPRS-FDD (TDMA, GMSK, TN 0)	Z	100.00	121.70	31.61		50.0	
DAB	GFRS-FDD (TDMA, GMSK, TN 0)	X	100.00	113.04	27.28	9.57	50.0	± 9.6 %
		Z	15.19	87.98	20.35	ļ	50.0	
10024- DAB	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00 100.00	121.07 113.15	31.39 26.09	6.56	50.0 60.0	± 9.6 %
		Y	100.00	109.45	24.39		60.0	
		Z	100.00	129.47	33.66		60.0	
10025- DAB	EDGE-FDD (TDMA, 8PSK, TN 0)	X	9.96	95.66	37.76	12.57	50.0	± 9.6 %
		Υ	4.47	70.04	24.97		50.0	
10026-	EDGE-FDD (TDMA, 8PSK, TN 0-1)	Z	12.68	105.35	42.93		50.0	
DAB	EDGE-FDD (TDIMA, 8PSK, TN U-1)	X	11.92	98.48	35.14	9.56	60.0	± 9.6 %
		Y	8.37	87.88	30.36		60.0	
10027-	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	Z X	12.92 100.00	102.97 115.31	38.10 26.21	4.80	60.0 80.0	± 9.6 %
DAB		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	400.00	400.00	00 70			
		Z	100.00 100.00	109.28	23.53		80.0	
10028- DAB	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	141.67 119.96	37.85 27.46	3.55	80.0 100.0	± 9.6 %
		Y	100.00	110.39	23.34		100.0	
		Z	100.00	160.27	44.61		100.0	
10029- DAB	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	Х	6.62	84.79	28.96	7.80	80.0	± 9.6 %
		Y	5.50	79.12	25.88		80.0	
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Z X	6.49 100.00	85,78 112.47	30.55 25.27	5.30	80.0 70.0	± 9.6 %
		Y	100.00	107.80	23.17		70.0	
		Z	100.00	133.51	34.75		70.0	
0031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Х	100.00	131.35	30.57	1.88	100.0	± 9.6 %
		Υ	100.00	110.16	21.98		100.0	,
		Z	100.00	221.42	66.51		100.0	

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10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Х	100.00	174.24	46.07	1.17	100.0	± 9.6 %
		Υ	100.00	118.57	24.50		100.0	
		Z	100.00	360.88	117.59		100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	41.01	114.97	31.37	5.30	70.0	±9.6 %
		Y	5.86	82.34	20.95		70.0	
		Z	100.00	141.56	40.86		70.0	
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	18.65	105.73	27.92	1.88	100.0	± 9.6 %
		Y	2.48	74.20	17.01		100.0	
		Ζ	100.00	142,94	39.68		100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Х	10.33	98.46	25.84	1.17	100.0	± 9.6 %
		Υ	1.89	71.93	15.99		100.0	
		Z	100.00	142.79	39.15		100.0	
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	95.77	128.82	34.77	5.30	70.0	± 9.6 %
		Υ	7.08	85.39	22.07		70.0	
		Z	100.00	142.08	41.11		70.0	
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Х	14.94	102.57	27.05	1.88	100.0	± 9.6 %
		Υ	2.33	73.50	16.70		100.0	
		Z	100.00	143.14	39.70		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Х	11.04	99.99	26.44	1.17	100.0	± 9.6 %
		Υ	1.91	72.28	16.25		100.0	
		Z	100.00	143.82	39.60		100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	X	31.24	114.59	29.82	0.00	150.0	± 9.6 %
		Υ	2.32	75.42	17.39		150.0	
		Z	100.00	135.35	35.74		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	Х	100.00	110.20	25.07	7.78	50.0	± 9.6 %
		Υ	18.15	89.43	19.44		50.0	
		Z	100.00	121.18	30.31		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	Х	0.00	124.86	1.62	0.00	150.0	± 9.6 %
		Υ	0.00	97.93	0.40		150.0	1
		Z	0.03	60.00	57383. 60		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	15.53	85.87	21.23	13.80	25.0	± 9.6 %
		Υ	7.88	76.15	17.78		25.0	
		Z	100.00	115.47	30.69		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	Х	27.82	95.78	23.17	10.79	40.0	± 9.6 %
		Υ	8.44	79.47	17.84		40.0	
		Z	100.00	118.53	30.69		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	Х	29.22	103.10	28.06	9.03	50.0	±9.6 %
		Υ	10.12	85.04	21.98		50.0	
		Z	100.00	129.74	36.90		50.0	
10058- DAB	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	Х	4.89	78.67	25.75	6.55	100.0	±9.6 %
		Y	4.32	74.78	23.38		100.0	
		Z	4.73	78.92	26.90		100.0	ļ
10059- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	X	1.34	67.89	18.31	0.61	110.0	± 9.6 %
		Y	1.21	64.82	15.85		110.0	
		Z	1.39	69.19	19.78		110.0	
10060-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	148.02	40.06	1.30	110.0	± 9.6 %
CAB	I Mphs)		;	I		ſ	1	
CAB	(IVIDPS)	Υ	5.70	94.62	24.91		110.0	

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	6.44	96.76	28.75	2.04	110.0	± 9.6 %
ļ		Υ	2.36	76.29	20.31	 	110.0	
		Z	13.42	117.29	37.11	 	110.0	+
10062- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	Х	4.76	67.10	17.01	0.49	100.0	± 9.6 %
		Y	4.70	66.61	16.53		100.0	
40000		Z	4.89	67.28	17.37		100.0	
10063- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.77	67.17	17.09	0.72	100.0	± 9.6 %
		Y	4.70	66.67	16.59		100.0	
10064-	IEEE 000 44- /- M/E' C OU (OFFICE	Z	4.91	67.39	17.49		100.0	
CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	X	5.06	67.41	17.29	0.86	100.0	± 9.6 %
		Y	4.99	66.92	16.80		100.0	
10065-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18	Z	5.23	67.67	17.71	<u> </u>	100.0	
CAB	Mbps)	X	4.92	67.29	17.37	1.21	100.0	±9.6%
		Y	4.85	66.78	16.86		100.0	
10066-	IEEE 902 44c/b MIEEE COLL (CERTIFIED)	Z	5.08	67.58	17.84		100.0	
CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.93	67.28	17.51	1.46	100.0	±9.6%
		Υ	4.86	66.76	16.99		100.0	
10067-	IEEE 000 44-9 INTEL COLLEGE	Z	5.10	67.60	18.01		100.0	
CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.20	67.34	17.87	2.04	100.0	± 9.6 %
		Υ	5.14	66.87	17.37		100.0	
10000	IFFE 000 44 is the second	Z	5.37	67.61	18.37		100.0	
10068- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.26	67.41	18.09	2.55	100.0	± 9.6 %
		Y	5.18	66.90	17.55		100.0	•
		Z	5.45	67.78	18.66		100.0	
10069- CAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	Х	5.33	67.38	18.26	2.67	100.0	± 9.6 %
		Υ	5.26	66.89	17.73		100.0	
		Z	5.52	67.69	18.81		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	Х	5.01	67.01	17.73	1.99	100.0	± 9.6 %
		Y	4.95	66.53	17.22	·····	100.0	
		Z	5.15	67.25	18.21		100.0	***
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	Х	5.00	67.35	17.95	2.30	100.0	± 9.6 %
		Y	4.93	66.82	17.40		100.0	
		Z	5.16	67.67	18.49		100.0	
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	Х	5.05	67.48	18.24	2.83	100.0	± 9.6 %
		Υ	4.98	66.93	17.66		100.0	· · · · · · · · · · · · · · · · · · ·
		Z	5.21	67.80	18.81		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	X	5.02	67.34	18.36	3.30	100.0	± 9.6 %
		Υ	4.95	66.80	17.78	· · · · · · · · · · · · · · · · · · ·	100.0	
		Z	5.17	67.64	18.95		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	5.07	67.47	18.66	3.82	90.0	± 9.6 %
		Υ	4.99	66.92	18.07		90.0	·
		Ζ	5.22	67.83	19.32		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	Х	5.06	67.21	18.74	4.15	90.0	± 9.6 %
		Υ	5.00	66,69	18.16		90.0	
		Ζ	5.20	67.47	19.36		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	Х	5.09	67.27	18.84	4.30	90.0	± 9.6 %
		1 37		20.74				
		Y	5.02	66.74	18.24		90.0	

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10081- CAB	CDMA2000 (1xRTT, RC3)	X	4.91	92.64	23.73	0.00	150.0	± 9.6 %
		Y	0.96	67.80	13.79		150.0	
		ż	50.42	130.84	34.79		150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	X	0.76	60.00	4.74	4.77	80.0	± 9.6 %
		Y	0.77	60.00	4.73		80.0	
		Z	0.68	60.00	5.13		80.0	
10090- DAB	GPRS-FDD (TDMA, GMSK, TN 0-4)	Х	100.00	113.16	26.12	6.56	60.0	± 9.6 %
		Υ	100.00	109.46	24.42		60.0	
		Z	100.00	129.47	33.68		60.0	
10097- CAB	UMTS-FDD (HSDPA)	×	2.33	72.66	18.77	0.00	150.0	± 9.6 %
		Y	1.91	68.35	16.22		150.0	
		Z	2.54	74.29	19.95		150.0	
10098- CAB	UMTS-FDD (HSUPA, Subtest 2)	Х	2.30	72.73	18.81	0.00	150.0	± 9.6 %
		Y	1.87	68.30	16.19		150.0	
40000	FDOE EDD (TOMA SPOK TILO ()	Z	2.52	74.45	20.02	0.50	150.0	1.0.0.07
10099- DAB	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	12.00	98.60	35.17	9.56	60.0	± 9.6 %
 		Y	8.41	87.95	30.38		60.0	
10100	1.77 500 600 50114 4000 50 00	Z	13.03	103.14	38.16	0.00	60.0	. 0.0 %
10100- CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	3.84	74.32	18.99	0.00	150.0	± 9.6 %
	ļ	Y	3.25	70.88	17.10		150.0	
40404	1.TE EDD (DO EDMA 4000) DD 00	Z	4.29	76.13	19.96	0.00	150.0	. 0.00/
10101- CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	<u> </u>	3.50	69.19	17.19	0.00	150.0	± 9.6 %
		Y	3.30	67.76	16.18		150.0	
		Z	3.67	69.85	17.72	2.52	150.0	
10102- CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.58	69.02	17.21	0.00	150.0	± 9.6 %
		Y	3.41	67.73	16.27		150.0	
		Z	3.74	69.58	17.69	0.00	150.0	1 0 0 07
10103- CAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	6.75	77.09	21.22	3.98	65.0	± 9.6 %
		Y	5.78	73.67	19.39		65.0	
		Z	6.99	78.61	22.61		65.0	
10104- CAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	×	6.43	74.35	20.90	3.98	65.0	± 9.6 %
		Y	6.05	72.62	19.75		65.0	
10105- CAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	6.37 6.11	74.71 73.20	21.75 20.69	3.98	65.0 65.0	± 9.6 %
UNU	INTERN OT WANTE	Y	5.59	70.94	19.29		65.0	
		Ż	5.94	73.02	21.26	1	65.0	
10108- CAC	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	3.35	73.60	18.92	0.00	150.0	± 9.6 %
-		Y	2.84	70.12	16.95		150.0	
		Z	3.75	75.37	19.91	1	150.0	· · · ·
10109- CAC	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.18	69.35	17.30	0.00	150.0	± 9.6 %
		Y	2.97	67.67	16.13		150.0	
		Z	3.35	70.06	17.89		150.0	
10110- CAC	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	Х	2.79	73.24	18.89	0.00	150.0	± 9.6 %
		Y	2.31	69.26	16.59		150.0	
		Z	3.16	75.17	20.04		150.0	
10111- CAC	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	Х	3.03	71.25	18.15	0.00	150.0	± 9.6 %
		Y	2.71	68.75	16.57		150.0	1
		Z	3.20	71.94	18.81		150.0	

10112- CAC	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Х	3.28	69.18	17.26	0.00	150.0	± 9.6 %
		Y	3.09 3.44	67.65	16.18		150.0	
10113- CAC	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	Х	3.17	69.76 71.17	17.79 18.15	0.00	150.0 150.0	± 9.6 %
		Y	2.87	68.88	16.69		150.0	
45444		Z	3.33	71.70	18.74		150.0	
10114- CAB	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	5.24	67.72	16.99	0.00	150.0	± 9.6 %
		Y	5.18	67.29	16.58	<u> </u>	150.0	
10115- CAB	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.33 5.54	67.79 67.83	17.20 17.04	0.00	150.0 150.0	± 9.6 %
		Y	5.48	67.43	16.66		150.0	
		Z	5.70	68.10	17.34	 	150.0	<u> </u>
10116- CAB	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	X	5,35	67.94	17.03	0.00	150.0	± 9.6 %
		Y	5.28	67.50	16.61	<u> </u>	150.0	
		Z	5.47	68.10	17.27		150.0	
10117- CAB	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	Х	5.20	67.57	16.93	0.00	150.0	±9.6 %
		Y	5.14	67.15	16.53		150.0	
10118-	IEEE BOOKA ALTER AND A STATE	Z	5.32	67.74	17.19		150.0	
CAB	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	Х	5.63	68.07	17.17	0.00	150.0	± 9.6 %
		Y	5.57	67.65	16.77		150.0	
10119-	ICCC 000 day (UT Mineral 400 Mineral	Z	5.79	68.32	17.46	ļ	150.0	ļ
CAB	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	X	5.32	67.88	17.01	0.00	150.0	±9.6%
		Y	5.26	67.44	16.59		150.0	
10140- CAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	Z X	5.44 3.62	68.03 69.01	17.25 17.12	0.00	150.0 150.0	± 9.6 %
<u> </u>	William, 10-de-tivi)	Y	3.44	67.72	16.18		150.0	
		Z	3.78	69.56	17.59		150.0	
10141- CAB	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	Х	3.74	69.02	17.24	0.00	150.0	± 9.6 %
		Υ	3.57	67.82	16.35		150.0	
		Z	3.89	69.48	17.67		150.0	
10142- CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.73	74.64	19.21	0.00	150.0	± 9.6 %
		Υ	2.10	69.45	16.37		150.0	
10143- CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	3.16 3.19	76.94 73.75	20.60 18.64	0.00	150.0 150.0	± 9.6 %
	NET)	Y	2.62	69.83	16.46		150.0	P. W.
		Ż	3.42	74.66	19.51		150.0	
10144- CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	Х	2.67	69.86	16.34	0.00	150.0	±9.6 %
		Υ	2.33	67.12	14.63		150.0	
		Z	2.92	70.99	17.36		150.0	
10145- CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	Х	2.48	75.53	17.20	0.00	150.0	±9.6 %
		Y	1.36	66.50	12.79		150.0	
0146- CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	Z X	4.29 4.56	84.13 77.36	21.34 16.73	0.00	150.0 150.0	± 9.6 %
	enita, to so uni	Y	1.76	65.40	11.38		150.0	
		Z	100.00	121.78	30.77		150.0	T. W
0147- CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	13.91	91.47	21.44	0.00	150.0	± 9.6 %
		Y	2.04	67.23	12.42		150.0	
		Z	100.00	122.96	31.39		150.0	

10149- CAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	3.19	69.43	17.35	0.00	150.0	± 9.6 %
		Υ	2.98	67.74	16.18		150.0	\
		Z	3.36	70.14	17.94		150.0	
10150- CAB	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	3.30	69.25	17.31	0.00	150.0	± 9.6 %
		Υ	3.10	67.72	16.22		150.0	
		Z	3.45	69.82	17.83		150.0	
10151- CAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	7.24	80.00	22.50	3.98	65.0	± 9.6 %
		Y	6.10	76.09	20.46		65.0	
10150		Z	7.54	81.89	24.14		65.0	
10152- CAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	6.00	74.49	20.70	3.98	65.0	± 9.6 %
		Y	5.55	72.40	19.36		65.0	
40450	LTE TOO (OO FOLAN COO) OO MU	Z	6.01	75.12	21.77		65.0	
10153- CAB	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	X	6.37	75.41	21.46	3.98	65.0	± 9.6 %
		Y	5.92	73.39	20.17		65.0	
40454	LITT FDD (OO FDAM SON DD 40	Z	6.29	75.73	22.38	2	65.0	
10154- CAC	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.89	73.95	19.27	0.00	150.0	± 9.6 %
	<u> </u>	Y	2.38	69.78	16.91		150.0	
40455		Z	3.29	75.97	20.45		150.0	
10155- CAC	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	3.03	71.27	18.17	0.00	150.0	±9.6%
		Y	2.71	68.76	16.59		150.0	
40450		Z	3.20	71.95	18.82		150.0	
10156- CAC	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	2.79	76.38	19.72	0.00	150.0	± 9.6 %
		Υ	1.97	69.78	16.30	··· · · · · · · · · · · · · · · · · ·	150.0	
		Z	3.36	79.43	21.46		150.0	
10157- CAC	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	Х	2.72	71.96	17.09	0.00	150.0	± 9.6 %
		Υ	2.20	67.94	14.81		150.0	
		Z	3.06	73.60	18.38		150.0	
10158- CAC	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	3.18	71.26	18.21	0.00	150.0	± 9.6 %
		Υ	2.87	68.95	16.75		150.0	
		Z	3.34	71.78	18.79		150.0	
10159- CAC	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	Х	2.91	72.70	17.48	0.00	150.0	± 9.6 %
		Υ	2.32	68.51	15.15		150.0	
		Z	3.24	74.23	18.71		150.0	
10160- CAB	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	Х	3.19	71.76	18.31	0.00	150.0	± 9.6 %
		Υ	2.83	69.10	16.68		150.0	
		Z	3.46	72.96	19.11		150.0	
10161- CAB	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	3.20	69.30	17.31	0.00	150.0	± 9.6 %
		Υ	3.00	67.68	16.17		150.0	
		Z	3.36	69.86	17.85		150.0	
10162- CAB	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	3.31	69.38	17.37	0.00	150.0	± 9.6 %
		Y	3.11	67.82	16.27		150.0	
10166-	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz,	X	3.46 3.82	69.84 71.48	17.86 20.52	3.01	150.0 150.0	± 9.6 %
CAC	QPSK)			ļ				
		Y	3.41	68.60	18.68		150.0	
		Z	4.30	73.44	21.91		150.0	
10167- CAC	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	Х	5.07	76.05	21.60	3.01	150.0	± 9.6 %
		Υ	3.99	70.88	18.93		150.0	
	1	Ζ	6.27	79.65	23.56		150.0	

10168- CAC	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	5.90	79.38	23.34	3.01	150.0	± 9.6 %
		Υ	4.44	73.23	20.37	 	150.0	
		Ż	7.36	83.23	25.32		150.0	ļ
10169- CAB	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	3.23	71.88	20.87	3.01	150.0	± 9.6 %
		Y	2.71	67.48	18.22	 	150.0	·
		Ż	4.07	76.42	23.43	·	150.0	
10170- CAB	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	5.65	83.17	25.20	3.01	150.0	± 9.6 %
		Y	3.45	72.51	20.37		150.0	
		Z	10.30	95.09	29.94	i	150.0	
10171- AAB	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	Х	4.10	76.08	21.30	3.01	150.0	± 9.6 %
		Y	2.86	68.59	17.55		150.0	
···		Z	6.52	84.58	25.15	ļ	150.0	
10172- CAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	Х	13.61	102.47	32.56	6.02	65.0	± 9.6 %
		Υ	4.94	79.88	23.70	, , , , , , , , , , , , , , , , , , , ,	65.0	
		Z	42.64	131.52	42.85		65.0	
10173- CAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	Х	79.27	128.92	37.16	6.02	65.0	± 9.6 %
		Y	7.80	85.37	23.94		65.0	
		Z	100.00	139.25	41.68		65.0	
10174- CAB	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	36,69	112.97	32.41	6.02	65.0	± 9.6 %
		Y	5.86	79.83	21.47		65.0	
		Z	100.00	136.96	40.47		65.0	
10175- CAC	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	Х	3.18	71.46	20.57	3.01	150.0	± 9.6 %
		Y	2.68	67.18	17.96		150.0	
		Ζ	3.99	75.88	23.09		150.0	
10176- CAC	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	Х	5.66	83.21	25.22	3.01	150.0	± 9.6 %
		Y	3.46	72.54	20.38		150.0	
		Ζ	10.33	95.15	29.96		150.0	
10177- CAE	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.21	71.67	20.69	3.01	150.0	± 9.6 %
		Y	2.70	67.33	18.07		150.0	
		Z	4.04	76.14	23.23		150.0	
10178- CAC	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	5.55	82.79	25.03	3.01	150.0	±9.6 %
		Υ	3.42	72.30	20.25		150.0	
		Ζ	9.97	94.37	29.67		150.0	
10179- CAC	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	Х	4.80	79.46	23.11	3.01	150.0	± 9.6 %
		Υ	3.12	70.40	18.81		150.0	
		Z	8.20	89.62	27.39		150.0	
10180- CAC	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	Х	4.08	75.95	21.23	3.01	150.0	± 9.6 %
		Υ	2.86	68.52	17.50		150.0	
		Z	6.46	84.36	25.04		150.0	
10181- CAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	3.21	71.64	20.68	3.01	150.0	± 9.6 %
		Υ	2.69	67.31	18.06		150.0	
		Z	4.03	76.12	23.22		150.0	
10182- CAB	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	5.54	82.75	25.01	3.01	150.0	± 9.6 %
		Υ	3.42	72.28	20.23		150.0	
		Z	9.94	94.32	29.65		150.0	
10183- AAA	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	4.07	75.92	21.21	3.01	150.0	± 9.6 %
		Υ	2.85	68.50	17.49		150.0	
	<u> </u>	1 1	2.00	00.00	11.45		130.0	

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10184- CAC	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	3.22	71.70	20.70	3.01	150.0	± 9.6 %
		Y	2.70	67.36	18.08		150.0	<u> </u>
		Z	4.05	76.18	23.25	· ·	150.0	
10185- CAC	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	Х	5.58	82.87	25.06	3.01	150.0	± 9.6 %
		Y	3.43	72.35	20.27		150.0	
		Z	10.03	94.49	29.72		150.0	
10186- AAC	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	4.09	76.02	21.26	3.01	150.0	± 9.6 %
		Υ	2.87	68.56	17.52		150.0	
		Z	6.49	84.46	25.08		150.0	
10187- CAC	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.23	71.76	20.77	3,01	150.0	± 9.6 %
		Y	2.71	67.40	18.14		150.0	ļ
		Ζ	4.06	76.24	23.31		150.0	
10188- CAC	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	5.90	84.09	25.64	3.01	150.0	±9.6 %
		Υ	3.54	73.02	20.68		150.0	
	4, 4,444 - 4,444 - 4,444 - 4,444	Z	10.97	96.46	30.48		150.0	
10189- AAC	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	Х	4.24	76.73	21.65	3.01	150.0	± 9.6 %
.,.		Υ	2.92	68.95	17.80		150.0	
		Z	6.83	85.53	25.57		150.0	<u> </u>
10193- CAB	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	Х	4.63	67.19	16.76	0.00	150.0	± 9.6 %
		Υ	4.57	66.70	16.29		150.0	
		Z	4.74	67.26	17.01		150.0	
10194- CAB	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	Х	4.81	67.51	16.88	0.00	150.0	±9.6%
		Υ	4.74	67.02	16.42		150.0	
		Ζ	4.93	67.62	17.12		150.0	
10195- CAB	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	Х	4.85	67.53	16.89	0.00	150.0	±9.6 %
		Y	4.79	67.05	16.43		150.0	
		Ζ	4.97	67.63	17.13		150.0	
10196- CAB	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.64	67.26	16.78	0.00	150.0	± 9.6 %
		Y	4.58	66.77	16.31		150.0	
		Z	4.75	67.36	17.05		150.0	
10197- CAB	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	Х	4.83	67.53	16.89	0.00	150.0	± 9.6 %
		Υ	4.76	67.04	16.43		150.0	
		Z	4.95	67.64	17.13		150.0	
10198- CAB	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	X	4.86	67.55	16.90	0.00	150.0	±9.6 %
		Υ	4.79	67.07	16.44		150.0	
		Ζ	4.98	67.65	17.14		150.0	
10219- CAB	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.59	67.30	16.76	0.00	150.0	± 9.6 %
		Υ	4.53	66.79	16.28		150.0	
		Z	4.71	67.40	17.03		150.0	
10220- CAB	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	Х	4.82	67.50	16.88	0.00	150.0	± 9.6 %
<u> </u>		Υ	4.75	67.01	16.42		150.0	
		Ζ	4.94	67.62	17.13		150.0	
10221- CAB	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	Х	4.86	67.46	16.88	0.00	150.0	± 9.6 %
		Υ	4.80	66.99	16.43		150.0	
		Z	4.98	67.56	17.11		150.0	
10222- CAB	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	5.18	67.58	16.94	0.00	150.0	±9.6%
		Υ	5.12	67.16	16.52		150.0	h

10223-	IEEE 802.11n (HT Mixed, 90 Mbps, 16-	X	5.48	67.75	17.03	0.00	150.0	± 9.6 %
CAB	QAM)	Y	5.43	67.36		0.00		1 3.0 %
		Z			16.64		150.0	
10224-	IEEE 802.11n (HT Mixed, 150 Mbps, 64-		5.63	67.97	17.30		150.0	
CAB	QAM)	×	5.23	67.71	16.92	0.00	150.0	± 9.6 %
		Y	5.17	67.27	16.51		150.0	
40005		Z	5.35	67.86	17.17	1	150.0	
10225- CAB	UMTS-FDD (HSPA+)	×	2.99	67.62	16.56	0.00	150.0	± 9.6 %
ļ		Y	2.86	66.37	15.59		150.0	1
		Z	3.11	67.93	17.07	i	150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	Х	97.97	133.06	38.27	6.02	65.0	± 9.6 %
		Y	8.25	86.42	24.40		65.0	· · · · · · · · · · · · · · · · · · ·
		Z	100.00	139.49	41.84	 	65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	69.84	124.02	35.24	6.02	65.0	± 9.6 %
		Y	7.85	84.43	23.12		65.0	-
		Z	100.00	136.31	40.22	 	65.0	
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	18.90	109.40	34.72	6.02	65.0	± 9.6 %
		Y	6.33	84.76	25.58	 	65.0	<u> </u>
		Z	92.27	149.52	47.48		65.0	
10229- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	X	80.01	129.07	37.21	6.02	65.0	± 9.6 %
		Y	7.86	85.47	23.98		65.0	
		Z	100.00	139.21	41.67			
10230- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	x	58.55	120.76	34.35	6.02	65.0 65.0	± 9.6 %
		Y	7.46	83.54	22.73		65.0	
		Ż	100.00	136.13			65.0	
10231- CAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	17.43	107.61	40.10 34.10	6.02	65.0 65.0	± 9.6 %
		Y	6.09	83.96	25.21		<u> </u>	
		Z	79.84	146.01			65.0	,
10232- CAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	X	80.00	129.08	46.54 37.21	6.02	65.0 65.0	± 9.6 %
		Y	7.84	85.45	23.98		65.0	
		Z	100.00	139.23	41.68			
10233- CAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	X	58.43	120.75	34.35	6.02	65.0 65.0	± 9.6 %
		Υ	7.44	83.52	22.72		65.0	
		Z	100.00	136.16	40.11		65.0	
10234- CAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	Χ	16.29	106.00	33.49	6.02	65.0	± 9.6 %
		Υ	5.89	83.23	24.82		65.0	
		Z	71.22	143.04	45.67		65.0	
10235- CAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	80.70	129.26	37.25	6.02	65.0	± 9.6 %
		Υ	7.84	85.47	23.98		65.0	
		Z	100.00	139.26	41.69	·	65.0	-
10236- CAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	Х	60.14	121.19	34.44	6.02	65.0	± 9.6 %
		Υ	7.51	83.63	22.76		65.0	
		Z	100.00	136.08	40.07		65.0	
10237- CAB	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	17.56	107.81	34.16	6.02	65.0	± 9,6 %
		Y	6.09	84.00	25.22		65.0	
		Z	82.16	146.72	46.72		65.0	
10238- CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	79.96	129.09	37.21	6.02	65.0	± 9.6 %
		Y	7.82	85.42	23.96		65.0	
		Z	100.00	139.26	41.68		65.0	
***************************************	<u> </u>		100.00	103.20	+1.00		05.0	

10239- CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	Х	58.27	120.72	34.34	6.02	65.0	±9.6 %
		Y	7.42	83.49	22,71		65.0	
		Ζ	100.00	136.20	40.12		65.0	
10240- CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	17.48	107.72	34.14	6.02	65.0	± 9.6 %
		Υ	6.07	83.96	25.21		65.0	
		Z.	81.22	146.49	46.67		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	8.72	83.42	26.53	6.98	65.0	± 9.6 %
·····		Υ	6.99	77.57	23.54		65.0	
		Z	9,66	86.28	28.74		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	Х	7.89	81.25	25.56	6.98	65.0	± 9.6 %
		Υ	6.26	75.30	22.48		65.0	
		Z	8.53	83.31	27.43		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	6.09	76.66	24.56	6.98	65.0	± 9.6 %
	-	Υ	5.30	72.66	22.12		65.0	
		Z	6.31	77.53	25.92		65.0	
10244- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	6.89	78.51	19.77	3.98	65.0	± 9.6 %
		Υ	4.71	71.75	16.47		65.0	
		Z	12.08	90.71	26.03		65.0	1
10245- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	6.62	77.60	19.35	3.98	65.0	± 9.6 %
		Υ	4.65	71.34	16.23		65.0	
		Z	11.31	89.15	25.41		65.0	
10246- CAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	7.18	82.86	21.72	3.98	65.0	± 9.6 %
		Y	4.62	74.87	18.12		65.0	1
		Z	11.32	93.60	27.08		65.0	
10247- CAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	5.44	75.41	19.50	3.98	65.0	± 9.6 %
	,	Y	4.63	72.00	17.59		65.0	
		Z	5.94	78.30	21.97		65.0	
10248- CAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	5.37	74.66	19.16	3.98	65.0	± 9.6 %
		Y	4.66	71.58	17.39		65.0	
•		Z	5.85	77.34	21.51		65.0	
10249- CAB	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	Х	8.57	86.20	23.87	3.98	65.0	± 9.6 %
		Υ	5.60	77.90	20.23		65.0	
		Z	11.13	93.53	27.86		65.0	
10250- CAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	Х	6.22	77.44	21.96	3.98	65.0	± 9.6 %
		Υ	5.53	74.48	20.25		65.0	
		Z	6.22	78.35	23.33	· · · · · · · · · · · · · · · · · · ·	65.0	!
10251- CAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	5.87	75.03	20.58	3.98	65.0	± 9.6 %
		Υ	5.32	72.59	19.08		65.0	
•		Z	5.91	75.92	21.90		65.0	
10252- CAB	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	Х	7.94	84.08	24.06	3.98	65.0	± 9.6 %
		Y	6.03	78.12	21.24		65.0	
		Z	8.62	87.33	26.39		65.0	ļ
10253- CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	5.85	73.87	20.42	3.98	65.0	±9.6 %
		Υ	5.45	71.92	19.14		65.0	Ī
		Z	5.81	74.29	21.42		65.0	
10254-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	Х	6.20	74.75	21.11	3.98	65.0	± 9.6 %
CAB	04-QAIVI)	1		l .				
CAB	04-QAIVI)	Y	5.79	72.83	19.86		65.0	

10255-	LITE TOD (CO SOME FOX ED.							11061 27, 20
CAB	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	6.81	79.12	22.39	3.98	65.0	± 9.6 %
<u></u>		Υ	5.84	75.51	20.43		65.0	
10256-	TE TOD (SC EDMA 4000) DD 44	Z	6.93	80.49	23.85		65.0	<u> </u>
CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	×	5.08	73.51	16.64	3.98	65.0	± 9.6 %
		Y	3.69	68.28	13.85		65.0	
10257-	LITE TOD (CC FDMA 4050) DD (CC	Z	11.71	89.49	24.57		65.0	
CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	×	4.84	72.43	16.07	3.98	65.0	±9.6 %
		Y	3.65	67.82	13.54		65.0	
10258-	LITE TOD (OC FOLK) (CONT.)	Z	10.37	86.88	23.54		65.0	
CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	Х	5.06	76.83	18.55	3.98	65.0	± 9.6 %
<u> </u>		Y	3.56	70.79	15.55		65.0	†
10259-	LTE TOD (OC EDITION	Z	9.23	89.42	24.90		65.0	
CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	Х	5.76	76.19	20.40	3.98	65.0	± 9.6 %
		Υ	4.99	72.94	18.56		65.0	
40000		Z	6.05	78.23	22.40	1	65.0	
10260- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	Х	5.75	75.80	20.24	3.98	65.0	± 9.6 %
		Υ	5.03	72.75	18.48	<u> </u>	65.0	
40004		Z	6.03	77.73	22.19		65.0	
10261- CAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	Х	7.68	84.02	23.51	3.98	65.0	± 9.6 %
		Y	5.53	77.27	20.38	 	65.0	
		Z	8.89	88.82	26.58	 	65.0	
10262- CAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	6.21	77.38	21.92	3.98	65.0	±9.6 %
		Y	5.52	74.43	20.21	 	65.0	
		Z	6.22	78.33	23.30		65.0	
10263- CAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	Х	5.86	75.01	20.57	3.98	65.0	± 9.6 %
		Y	5.31	72.57	19.07	<u> </u>	65.0	
		Z	5.91	75.90	21.90		65.0	
10264- CAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	7.85	83.85	23.95	3.98	65.0	± 9.6 %
		Y	5.98	77.94	21.14		65.0	
		Z	8.53	87.11	26.29		65.0	
10265- CAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	Х	6.00	74,49	20.70	3.98	65.0	± 9.6 %
		Υ	5.55	72.40	19.36		65.0	
		Z	6.00	75.12	21.77		65.0	
10266- CAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Х	6.37	75.40	21.45	3.98	65.0	± 9.6 %
		Υ	5.92	73.37	20.16		65.0	··
		Z	6.29	75.72	22.37		65.0	
10267- CAB	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	7.22	79.95	22.48	3.98	65.0	± 9.6 %
		Y	6.09	76.06	20.44		65.0	
		Z	7.52	81.83	24.12		65.0	
10268- CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	6.55	74.09	20.90	3.98	65.0	± 9.6 %
		Y	6.21	72.53	19.83		65.0	· · · · · · · · · · · · · · · · · · ·
		Z	6.45	74.24	21.63		65.0	
10269- CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	6.51	73.61	20.75	3.98	65.0	± 9.6 %
		Y	6.20	72.17	19.73		65.0	- ·
		Ž	6.38	73.64	21.42		65.0	
					-,,		UU.U	
0270- CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	6.77	76.46	21.20	3.98	65.0	± 9.6 %
	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)					3.98		± 9.6 %

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	Х	2.83	68.45	16.73	0.00	150.0	± 9.6 %
		Υ	2.64	66.77	15.53		150.0	
		Z	2.93	68.84	17.29		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	Х	2.27	74.62	19.44	0.00	150.0	± 9.6 %
		Υ	1.69	68.66	16.13		150.0	
		Z	2.73	77.99	21.28		150.0	
10277- CAA	PHS (QPSK)	Х	2.49	62.33	7.96	9.03	50.0	±9.6 %
		Υ	2.45	61.98	7.69		50.0	
		Ζ	3.01	64.85	10.15		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	×	5.49	74.02	16.40	9.03	50.0	± 9.6 %
		Υ	4.34	70.17	14.46		50.0	
		Z	23.43	99.04	26.64		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	Х	5.65	74.35	16.58	9.03	50.0	± 9.6 %
		Υ	4.46	70.44	14.63		50.0	
		Z	23.38	98.93	26.65		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	Х	6.46	90.97	23.01	0.00	150.0	± 9.6 %
		Υ	1.67	70.73	15.14		150.0	
***************************************		Z	16.87	106.72	28.48		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	X	4.30	90.75	23.14	0.00	150.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Y	0.94	67.50	13.63		150.0	
		Z	36.32	125.75	33.62		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	Х	100.00	140.78	36.42	0.00	150.0	± 9.6 %
		Υ	1.41	74.21	17.05		150.0	
	***************************************	Z	100.00	147.40	39.59		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	X	100.00	145.23	38.53	0.00	150.0	± 9.6 %
		Y	3.22	86.57	22.11		150.0	
		Z	100.00	151.36	41.51		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	10.60	86.88	24.45	9.03	50.0	± 9.6 %
		Υ	7.59	80.01	21.45		50.0	
		Z	16.24	97.76	29.77		50.0	
10297- AAA	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	Х	3.38	73.76	19.01	0.00	150.0	± 9.6 %
		Υ	2.86	70.24	17.02		150.0	
		Z	3.78	75.54	20.00		150.0	
10298- AAB	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	2.96	78.16	19.37	0.00	150.0	± 9.6 %
		Y	1.72	69.00	14.98		150.0	
		Z	4.08	83.46	22.09		150.0	
10299- AAB	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	Х	6.64	83.14	20.00	0.00	150.0	±9.6 %
		Υ	2.35	68.46	13.86		150.0	
		Z	54.50	116.27	30.84		150.0	
10300- AAB	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	2.64	69.37	13.81	0.00	150.0	± 9.6 %
		Y	1.81	64.39	11.12		150.0	I
		Z	6.46	82.02	19.93		150.0	
10301- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.89	66.21	18.14	4.17	50.0	±9.6 %
		Υ	4.69	65.14	17.39		50.0	
		Z	5.23	66.97	18.74	<u> </u>	50.0	
10302- AAA	IEEE 802.16e WiMAX (29:18, 5ms,	X	5.31	66.53	18.69	4.96	50.0	± 9.6 %
AAA	10MHz, QPSK, PUSC, 3 CTRL symbols)					1		1
	10MHz, QPSK, PUSC, 3 CTRL symbols)	Y	5.17	65.75	18.09		50.0	

10303- AAA	IEEE 802.16e WIMAX (31:15, 5ms,	X	5.06	66.19	18.54	4.96	50.0	± 9.6 %
AAA	10MHz, 64QAM, PUSC)							20.0 %
		Y	4.92	65.38	17.92		50.0	
10304-	IEEE 802.16e WIMAX (29:18, 5ms,	Z	5.39	67.01	19.20	ļ	50.0	
AAA	10MHz, 64QAM, PUSC)	X	4.87	66.07	18.05	4.17	50.0	± 9.6 %
		Y	4.73	65.28	17.44		50.0	
10305-	IEEE 802.16e WIMAX (31:15, 10ms,	<u>Z</u> .	5.17	66.76	18.62		50.0	
AAA	10MHz, 64QAM, PUSC, 15 symbols)	X	4.63	68.76	20.58	6.02	35.0	± 9.6 %
		Z	4.40	67.20	19.49		35.0	
10306- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	5.14 4.86	70.70 67.26	22.00 19.87	6.02	35.0 35.0	± 9.6 %
		Y	4.70	66.16	19.03	 	35.0	
		Z	5.26	68.62	20.95	 	35.0	
10307- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	Х	4.78	67.56	19.91	6.02	35.0	± 9.6 %
		Y	4.61	66.38	19.03	 	35.0	
40000		Z	5.21	69.09	21.07		35.0	<u> </u>
10308- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	Х	4.77	67.81	20.08	6.02	35.0	± 9.6 %
		Y	4.58	66.56	19.16		35.0	
10309-	IEEE 000 40 - MCMAN (00 to to	Z	5.20	69.36	21.24		35.0	
AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	Х	4.93	67.52	20.03	6.02	35.0	± 9.6 %
		Y	4.75	66.37	19.17		35.0	
10310-	IEEE 802.16e WIMAX (29:18, 10ms,	Z	5.36	68.99	21.16		35.0	
AAA	10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.82	67.38	19.87	6.02	35.0	± 9.6 %
		Y	4.65	66.24	19.02		35.0	
10311-	LITE EDD (CC EDMA 4000) DD 45	Z	5.22	68.77	20.97		35.0	
AAA	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.76	72.62	18.40	0.00	150.0	±9.6 %
· · · · · · · · · · · · · · · · · · ·		Y	3.22	69.50	16.65		150.0	
10313-	IDEN 1:3	Z	4.16	74.15	19.26		150.0	
AAA	IDEN 1.3	X	4.90	77.91	18.26	6.99	70.0	± 9.6 %
		Y	3.01	70.48	14.96		70.0	
10314-	IDEN 1:6	Z	15.77	99.41	26.74		70.0	
AAA	IDEN 1.0	X	9.67	90.68	25.39	10.00	30.0	± 9.6 %
		Y	4.32	76.70	20.15		30.0	
10315-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1	X	45.24	121.54	35.56		30.0	
AAB	Mbps, 96pc duty cycle)	Y	1.19	66.54	17.69	0.17	150.0	± 9.6 %
		Z	1.10 1.23	63.95 67.62	15.46 18.88		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.67	67.16	16.83	0.17	150.0 150.0	± 9.6 %
-		Y	4.60	66.65	16.33		150.0	
		Z	4.80	67.33	17.17		150.0	
10317- AAB	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	X	4.67	67.16	16.83	0.17	150.0	± 9.6 %
		Υ	4.60	66.65	16.33		150.0	
		Z	4.80	67.33	17.17		150.0	· · · · · · · · · · · · · · · · · · ·
10400- AAC	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	Х	4.81	67.58	16.88	0.00	150.0	± 9.6 %
		Υ	4.74	67.06	16.40		150.0	
0.40.		Z	4.94	67.71	17.13		150.0	
10401- \AC	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.50	67.65	16.95	0.00	150.0	± 9.6 %
		Υ	5.45	67.26	16.56		150.0	
	 	Z	5.59	67.70	17.15		150.0	

Y 5.69 67.54 16.56 150.0	10402-	IEEE 802.11ac WiFi (80MHz, 64-QAM,	Х	5.75	67.92	16.93	0.00	150.0	± 9.6 %
TOMA2000 (1xEV-DO, Rev. 0)	AAC	99pc duty cycle)	 	E 60	67.54	16.56		150.0	
10403-								1	
AAB Y 1.67 70.73 15.14 115.0 10404- AAB Y 1.67 70.73 15.14 115.0 10404- AAB Y 1.67 70.73 15.14 115.0 Y 1.67 70.73 15.14 115.0 10408- AAB Y 1.67 70.73 15.14 115.0 10408- AB Rate Y 1.67 70.73 15.14 115.0 Y 1.67 70.73 15.14 115.0 10408- AB Rate Y 2.328 105.58 27.28 115.0 10400 124.97 31.9 32.3 80.0 10410- LTE-TDD (SC-FDMA, 1 RB, 10 MHz, X 100.00 124.97 31.49 3.23 80.0 PSK, UL Subframe=2,34,7.8,9) PSK, UL Subframe=2,34,7.8,9) Y 6.92 85,78 20.39 80.0 PSK, UL Subframe=2,34,7.8,9) Y 6.92 85,78 20.39 80.0 AAA Mbps, 99pc duly cycle) Y 1.04 63.33 15.06 150.0 LEEE 802.11g WiFi 2.4 GHz (ERP- X 4.64 67.23 16.82 0.00 150.0 LOH10- LOH	40400	ODMAROOD (4./EV/DO Day O)					0.00	· [± 9.6 %
Total		CDMA2000 (1XEV-DO, Rev. 0)	l		ļ		0.00		1 3.0 %
10040- CDMA2000 (1xEV-DO, Rev. A)									
AAB Y 1.67 70.73 15.14 115.0									
Tourne	-	CDMA2000 (1xEV-DO, Rev. A)	X				0.00		± 9.6 %
10406- Rate Rate Y 23.28 105.58 27.26 100.0	****								
AAB			Z	16.87	106.72	28.48			
Y 23.28 105.58 27.26 100.0 100.0 128.39 33.78 100.0 10410-			X	100.00	124.69	31.57	0.00	100.0	± 9.6 %
December Color C			Y	23.28	105.58	27.26		100.0	
10410-									
Y 6.92 85.78 20.39 80.0 80.0 10415- 10415- 10415- 10415- 10416							3.23		± 9.6 %
Digital	AAA	QPSK, UL Subtrante-2,3,4,7,6,9)	- V	6.02	05.70	20.20		80.0	
10415- IEEE 802.11b WiFi 2.4 GHz (DSSS, 1							<u> </u>		
AAA	10117	VEET 000 441 MVE 0 4 011 (0000 4					0.00		+069/
Telebra Tele			l				0.00		± 9.6 %
10416-									
AAA OFDM, 6 Mbps, 99pc duty cycle) Y 4.57 66.74 16.36 150.0				1.15	66.68	18.24	l	150.0	
Y 4.57 66.74 16.36 150.0 150.0 10417- IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 X 4.64 67.23 16.82 0.00 150.0 150.0 150		IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	X	4.64	67.23	16.82	0.00	150.0	± 9.6 %
Total			Y	4.57	66.74	16.36		150.0	
Total			Z		67.31			150.0	
10418-							0.00		± 9.6 %
Total	<u> </u>	Wibps, aape duty cycle)	1	4.57	66.74	16 36		150.0	· · · · · · · · · · · · · · · · · · ·
Total									
AAA OFDM, 6 Mbps, 99pc duty cycle, Long preambule) Y 4.56 66.91 16.38 150.0 Z 4.74 67.49 17.10 150.0 10419- IEEE 802.11g WiFi 2.4 GHz (DSSS- X 4.65 67.35 16.85 0.00 150.0 OFDM, 6 Mbps, 99pc duty cycle, Short preambule) Y 4.59 66.85 16.38 150.0 Z 4.75 67.43 17.09 150.0 10422- IEEE 802.11n (HT Greenfield, 7.2 Mbps, AAA BPSK) Y 4.70 66.85 16.39 150.0 Z 4.87 67.39 17.08 150.0 10423- AAA Mbps, 16-QAM) Y 4.87 67.16 16.50 150.0 AAA IEEE 802.11n (HT Greenfield, 72.2 X 4.87 67.16 16.50 150.0 D 2 5.07 67.76 17.20 150.0 10424- AAA Mbps, 64-QAM) Y 4.79 67.12 16.48 150.0 10425- AAA BPSK) Y 4.79 67.12 16.48 150.0 10425- AAA BPSK) Y 4.79 67.12 16.48 150.0 10425- AAA BPSK) Y 4.79 67.12 16.48 150.0 AAA BPSK) Y 5.40 67.83 17.05 0.00 150.0 10426- IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.47 67.87 17.06 0.00 150.0	~~~	JEEE 000 (4 MEE: 0.4 OU /D000					0.00		± 9.6 %
10419- IEEE 802.11g WiFi 2.4 GHz (DSSS- X 4.65 67.35 16.85 0.00 150.0		OFDM, 6 Mbps, 99pc duty cycle, Long		4.63			0.00		£ 9.0 %
10419- AAA			Υ	4.56		16.38			
AAA OFDM, 6 Mbps, 99pc duty cycle, Short preambule) Y 4.59 66.85 16.38 150.0 Z 4.75 67.43 17.09 150.0 10422- BEEE 802.11n (HT Greenfield, 7.2 Mbps, AAA BPSK) Y 4.70 66.85 16.39 150.0 Z 4.87 67.39 17.08 150.0 10423- BEEE 802.11n (HT Greenfield, 43.3 X 4.94 67.64 16.96 0.00 150.0 Y 4.87 67.16 16.50 150.0 Z 5.07 67.76 17.20 150.0 10424- AAA Mbps, 16-QAM) Y 4.79 67.12 16.48 150.0 ID425- AAA Mbps, 64-QAM) Y 4.79 67.12 16.48 150.0 Y 4.79 67.12 16.48 150.0 ID425- BEEE 802.11n (HT Greenfield, 15 Mbps, AAA BPSK) Y 5.40 67.42 16.65 150.0 ID426- BEEE 802.11n (HT Greenfield, 90 Mbps, X 5.47 67.87 17.06 0.00 150.0			Z	4.74	67.49				
Table Tabl		OFDM, 6 Mbps, 99pc duty cycle, Short	X	4.65	67.35	16.85	0.00	150.0	± 9.6 %
10422- AAA BPSK) Y 4.70 66.85 16.39 150.0 Z 4.87 67.39 17.08 150.0 10423- AAA Mbps, 16-QAM) Y 4.87 67.16 16.50 150.0 Z 5.07 67.76 17.20 150.0 10424- AAA Mbps, 64-QAM) Y 4.79 67.12 16.48 150.0 10425- AAA Mbps, 64-QAM) Y 4.79 67.12 16.48 150.0 I 0425- AAA BPSK) Y 4.79 67.12 16.48 150.0 I 0426- BEEE 802.11n (HT Greenfield, 15 Mbps, X 5.46 67.83 17.05 0.00 150.0 Z 5.58 68.00 17.29 150.0 I 0426- I EEE 802.11n (HT Greenfield, 90 Mbps, X 5.47 67.87 17.06 0.00 150.0	***		Y	4.59	66.85	16.38		150.0	
10422- AAA BPSK) Y 4.70 66.85 16.39 150.0 10423- AAA Mbps, 16-QAM) Y 4.87 67.16 16.50 150.0 X 4.87 67.64 16.96 0.00 150.0 X 4.87 67.16 16.50 150.0 X 4.87 67.16 16.50 150.0 X 4.88 67.61 16.94 0.00 150.0 X 4.89 67.61 16.94 0.00 150.0 X 4.89 67.61 16.94 0.00 150.0 X 4.99 67.12 16.48 150.0 X 4.90 67.12 16.48 150.0 X 4.90 67.12 16.48 150.0 X 4.90 67.12 16.65 150.0								150.0	
Y 4.70 66.85 16.39 150.0		,		4.77		16.84	0.00	150.0	± 9.6 %
Table Tabl	AAA	1 - 3.3	T V	4 70	66.85	16.39	<u> </u>	150.0	1
10423- AAA Mbps, 16-QAM) Y 4.87 67.16 16.50 150.0 Z 5.07 67.76 17.20 150.0 10424- AAA Mbps, 64-QAM) Y 4.79 67.12 16.48 150.0 AAA Mbps, 64-QAM) Y 4.79 67.72 17.18 150.0 10425- AAA BPSK) Y 5.40 67.42 16.65 150.0 10426- IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.47 67.87 17.06 0.00 150.0							· · · · · · · · · · · · · · · · · · ·		1
Y 4.87 67.16 16.50 150.0 150.0 10424- IEEE 802.11n (HT Greenfield, 72.2 X 4.86 67.61 16.94 0.00 150.0 15			X				0.00		± 9.6 %
Z 5.07 67.76 17.20 150.0	AAA	iviopa, ro-wrivij	1 v	4 97	67.16	16.50		150.0	1
10424- AAA IEEE 802.11n (HT Greenfield, 72.2 X AAA X 4.86 67.61 16.94 0.00 150.0 AAA Mbps, 64-QAM) Y 4.79 67.12 16.48 150.0 Z 4.98 67.72 17.18 150.0 150.0 150.0 10425- AAA BPSK) Y 5.46 67.83 17.05 0.00 150.0 Y 5.40 67.42 16.65 150.0 150.0 150.0 Z 5.58 68.00 17.29 150.0 150.0 150.0 10426- IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.47 67.87 17.06 0.00 150.0							 		
AAA Mbps, 64-QAM) Y 4.79 67.12 16.48 150.0 Z 4.98 67.72 17.18 150.0 10425- AAA BPSK) Y 5.40 67.42 16.65 150.0 Z 5.58 68.00 17.29 150.0 10426- IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.47 67.87 17.06 0.00 150.0	40404	IEEE 802 44p /HT 0	14				0.00		± 9.6 %
Z 4.98 67.72 17.18 150.0 10425- IEEE 802.11n (HT Greenfield, 15 Mbps, X 5.46 67.83 17.05 0.00 150.0							0.00		± 3.0 %
10425- AAA BPSK) Y 5.40 67.83 17.05 0.00 150.0									1
AAA BPSK) Y 5.40 67.42 16.65 150.0 Z 5.58 68.00 17.29 150.0 10426- IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.47 67.87 17.06 0.00 150.0									
Y 5.40 67.42 16.65 150.0 Z 5.58 68.00 17.29 150.0 10426- IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.47 67.87 17.06 0.00 150.0	}						0.00		± 9.6 %
Z 5.58 68.00 17.29 150.0 10426- IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.47 67.87 17.06 0.00 150.0				5.40	67.42	16.65		150.0	
10426- IEEE 802.11n (HT Greenfield, 90 Mbps, X 5.47 67.87 17.06 0.00 150.0			Z	5.58	68.00			150.0	
1 / W W W W W W W W W W W W W W W W W W							0.00		± 9.6 %
Y 5.40 67.46 16.66 150.0	, v-v-t	10 00 001	TV	5.40	67.46	16.66	 	150.0	1
Z 5.59 68.02 17.30 150.0							1		1

10427- AAA	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	Х	5.47	67.83	17.04	0.00	150.0	±9.6 %
		Y	5.41	67.43	16.65	 	150.0	
		Z	5.59	67.97	17.27			
10430- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.66	72.92	19.59	0.00	150.0 150.0	± 9.6 %
		Y	4.45	71.73	18.79	<u> </u>	150.0	1
		Z	4.70	72.50	19.70		150.0	
10431- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	×	4.36	68.04	16.98	0.00	150.0	± 9.6 %
		Υ	4.26	67.34	16.38		150.0	
		Z	4.50	68.17	17.29		150.0	
10432- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.64	67.75	16.95	0.00	150.0	± 9.6 %
		Y	4.56	67.18	16.44		150.0	
		Z	4.77	67.87	17.22		150.0	
10433- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.87	67.64	16.96	0.00	150.0	± 9.6 %
		Υ	4.80	67.15	16.50		150.0	
		Z	5.00	67.76	17.21		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	Х	4.94	74.41	19.82	0.00	150.0	± 9.6 %
		Υ	4.62	72.83	18.85		150.0	
40/0-		Z	4.95	73.85	19.93		150.0	
10435- AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	124.68	31.36	3.23	80.0	± 9.6 %
		Y	6.57	85.00	20.10		80.0	
		Z	100.00	137.22	37.63		80.0	
10447- AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.73	68.59	16.61	0.00	150.0	±9.6 %
		Υ	3.56	67.44	15.76		150.0	
		Z	3.90	68.86	17.10		150.0	
10448- AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	Х	4.20	67.84	16.86	0.00	150.0	± 9.6 %
		Υ	4.10	67.12	16.25		150.0	
		Z	4.33	67.98	17.17		150.0	
10449- AAA	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.45	67.61	16.88	0.00	150.0	± 9.6 %
		Υ	4.37	67.02	16.34		150.0	
		Ζ	4.57	67.74	17.15		150.0	
10450- AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.64	67.45	16.85	0.00	150.0	± 9.6 %
		Υ	4.56	66.92	16.36		150.0	
		Z	4.74	67.56	17.10		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	Х	3.68	69.05	16.36	0.00	150.0	± 9.6 %
		Υ	3.46	67.66	15.39		150.0	
		Z	3.89	69.46	16.97		150.0	
10456- AAA	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	Х	6.31	68.27	17.11	0.00	150.0	± 9.6 %
4 - 1		Υ	6.26	67.95	16.78		150.0	
		Z	6.43	68.44	17.34		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	Х	3.87	65.83	16.56	0.00	150.0	± 9.6 %
		Υ	3.82	65.37	16.07		150.0	
		Ζ	3.92	65.90	16.82		150.0	-
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	Х	3.47	68.25	15.71	0.00	150.0	± 9.6 %
		Υ	3.27	66.91	14.75		150.0	
	ļ.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Z	3.68	68.66	16.40		150.0	
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.48	65.87	16.26	0.00	150.0	±9.6 %
		Υ	4.46	65.56	15.86		150.0	
		Z	4.66	65.95	16.66		150.0	

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10460-	UMTS-FDD (WCDMA, AMR)	Х	2.09	85.50	24.93	0.00	150.0	± 9.6 %
AAA								
		Y	0.97	69.48	17.09		150.0	ļ
		Z	4.62	102.27	31.38	0.00	150.0	. 0 0 0/
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	132.64	34.99	3.29	80.0	± 9.6 %
		Υ	3.62	79.10	19.08		80.0	<u> </u>
	1.77	Z	100.00	149.41	43.14	0.00	80.0	. 0.00
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	104.74	22.07	3.23	80.0	± 9.6 %
		Y	1.00	60.81	8.61		80.0	
40400	175 700 (00 5014) 4 00 4 4 14 15	Z X	100.00 2.03	125.60 67.23	31.81 11.07	3.23	80.0 80.0	± 9.6 %
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)					3.23		± 9.0 %
		Y	0.94	60.00	7.69		80.0	
40404	LTE TOD (OO FOMA 4 DD O MILE	Z	100.00	119.51	29.01	2.02	80.0	1000
10464- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	129.68	33.44	3.23	80.0	± 9.6 %
		Υ	2.79	75.29	17.16		80.0	
		Z	100.00	147.96	42.22		80.0	
10465- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	99.25	103.80	21.65	3.23	80.0	± 9.6 %
		Υ	0.96	60,39	8.32		80.0	
		Z	100.00	124.58	31.33		80.0	
10466- AAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	1.59	65.05	10.16	3.23	80.0	±9.6 %
		Υ	0.94	60.00	7.64		80.0	
		Z	100.00	118.44	28.53		80.0	ļ
10467- AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	130.06	33.61	3.23	80.0	±9.6 %
		Υ	2.94	76.06	17.47		80.0	
		Ζ	100.00	148.34	42.39	,	80.0	
10468- AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	104.11	21.77	3.23	80.0	± 9.6 %
		Y	0.97	60.49	8.39		80.0	
**** * * * * * * * * * * * * * * * * * *		Z	100.00	124.94	31.49		80.0	
10469- AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	1.60	65.12	10.18	3.23	80.0	±9.6 %
		Υ	0.94	60.00	7.64		80.0	
		Z	100.00	118.51	28.55		80.0	
10470- AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	100.00	130.11	33.62	3.23	80.0	±9.6 %
		Y	2.93	76.04	17.46		80.0	
		Z	100.00	148.49	42.44		80.0	
10471- AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	104.00	21.72	3.23	80.0	±9.6%
		Υ	0.96	60.46	8.36		80.0	
		Z	100.00	124.88	31.45		80.0	
10472- AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	1.57	64.98	10.11	3,23	80.0	± 9.6 %
		Y	0.94	60.00	7.62		80.0	
		Z	100.00	118.45	28.51		80.0	
10473- AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	130.07	33.60	3.23	80.0	± 9.6 %
		Υ	2.93	76.00	17.44		80.0	
		Z	100.00	148.44	42.42		80.0	
10474- AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	104.01	21.72	3.23	80.0	± 9.6 %
		Υ	0.96	60.44	8.35		80.0	<u> </u>
		Z	100.00	124.92	31.47		80.0	
10475- AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	1.56	64.94	10.09	3.23	80.0	±9.6 %
		Υ	0.93	60.00	7.62		80.0	
		Z	100.00	118.48	28.53		80.0	

10477- AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	99.53	103.70	21.59	3.23	80.0	± 9.6 %
	-101 (1.1010)	Υ	0.95	60.35	8.28	 	00.0	<u> </u>
		Z	100.00	124.62		 	80.0	
10478- AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.54	64.78	31.33 10.01	3.23	80.0	± 9.6 %
7001	GAW, OL Subilanie-2,3,4,7,6,9)	-	1		<u> </u>	·		
		Y	0.94	60.00	7.61		80.0	
10479-	LITE TOD (CC EDMA FOR DE 4 LINE	Z	100.00	118.38	28.48	<u> </u>	80.0	
AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	46.99	116.54	32.13	3.23	0.08	±9.6 %
		Υ	3.75	75.13	18.77		80.0	1
10480-	LTC TDD (CC TO)	Z	100.00	137.71	39.83		80.0	
AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	76.84	112.89	28.41	3.23	80.0	± 9.6 %
		Y	3.39	70.50	15.31		80.0	
40404		Z	100.00	125.46	34.04		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	33.48	100.28	24.79	3.23	80.0	± 9.6 %
		Y	2.93	68.28	14.04		80.0	
		Z	100.00	123.36	32.98		80.0	1
10482- LTE-TDD AAA QPSK, U	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	5.83	82.37	21.06	2.23	80.0	± 9.6 %
		Υ	2.37	68.51	15.15		80.0	
		Z	19.70	104.41	29.40		80.0	<u> </u>
10483- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	9.39	84.61	21.10	2.23	80.0	±9.6%
		Y	2.83	67.39	14.05		80.0	
		Z	100.00	125.51	34.32		80.0	
10484- AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	7.72	81.70	20.16	2.23	80.0	± 9.6 %
		Y	2.77	66.86	13.82	·	80.0	
		Ż	100.00	125.05	34.17		80.0	ļ
10485- AAA	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.30	81.49	21.85	2.23	80.0	± 9.6 %
	1.1.1.1.1.1.1.1.1	Υ	2.75	70.23	16.83	· m.·	80.0	
		Ż	9.51	93.29	27.13		80.0	
10486- AAA	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.05	73.49	18.23	2.23	80.0	±9.6%
		Y	2.83	67.39	15.12		80.0	····
		Z	5.42	79.14	21.57		80.0	
10487- AAA	LTE-TDD (\$C-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.96	72.73	17.90	2.23	80.0	± 9.6 %
		Υ	2.85	67.12	14.98		80.0	
		Z	5.18	77.91	21.08	**	80.0	
10488- AAA	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	4.58	77.21	20.98	2.23	80.0	± 9.6 %
		Y	3.17	70.23	17.53		80.0	
·····		Z	6.05	83.08	24.12		80.0	······································
10489- AAA	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.86	71.24	18.57	2.23	80.0	± 9.6 %
		Υ	3.24	67.65	16.47		80.0	
		Z	4.28	73.44	20.32	-	80.0	···
10490- AAA	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.92	70.88	18.42	2.23	80.0	± 9.6 %
		Υ	3.34	67.56	16.45		80.0	
		Z	4.31	72.82	20.05		80.0	
10491- AAA	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.40	73.97	19.79	2.23	80.0	± 9.6 %
,,,,,		Y	3.49	69.33	17.30		80.0	
		Z	5.18	77.41	21.94		80.0	
0492-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.06	69.72	18.19	2.23	80.0	± 9.6 %
AAA	1 10 Will, OL Odditatile=2,0,4,7,0,3)							
AAA	10 Q/W/, GE Gabitanie=2,5,4,7,6,9)	Υ	3.63	67.24	16.62	•	80.0	

								
10493- AAA	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.12	69.49	18.09	2.23	80.0	± 9.6 %
		Υ	3.70	67.16	16.60		80.0	1
		Z	4.37	70.71	19.29		80.0	1
10494- AAA	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	5.01	76.26	20.53	2.23	80.0	± 9.6 %
		Υ	3.72	70.56	17.66		80.0	
		Z	6.35	81.15	23.16		80.0	
10495- AAA	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.12	70.21	18.43	2.23	80.0	± 9.6 %
		Υ	3.65	67.58	16.79		80.0	
		Z	4.43	71.77	19.76		80.0	
10496- AAA	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.17	69.77	18.27	2.23	80.0	± 9.6 %
		Y	3.74	67.39	16.75		80.0	
10100		Z	4.44	71.09	19.48		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	4.05	76.47	17.84	2.23	80.0	± 9.6 %
		Y	1.74	64.73	12.47		80.0	ļ
		Z	31.50	109.61	29.58		80.0	
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	1.99	64.44	11.68	2.23	80.0	± 9.6 %
		Y	1.52	60.94	9.53		80.0	
		Z	6.10	79.90	19.28		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	1.87	63.46	11.05	2.23	80.0	± 9.6 %
		Y	1.49	60.54	9.18		80.0	
		Z	5.29	77.48	18.24		80.0	
10500- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.73	78.86	21.21	2.23	80.0	± 9.6 %
		Y	2.89	70.02	17.05		80.0	
		Z	6.94	86.81	25.21		80.0	
10501- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.96	72.50	18.32	2.23	80.0	± 9.6 %
		Υ	3.02	67.59	15.68		80.0	Ĺ
		Z	4.76	76.24	20.85		80.0	
10502- AAA	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.99	72.21	18.14	2.23	80.0	± 9.6 %
		Y	3.08	67.50	15.59		80.0	
		Z	4.77	75.78	20.59		80.0	
10503- AAA	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.50	76.94	20.86	2.23	80.0	±9.6 %
		Υ	3.13	70.05	17.44		80.0	1
1050		Z	5.94	82.76	23.99		80.0	
10504- AAA	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	3.84	71.13	18.51	2.23	80.0	± 9.6 %
		Υ	3.22	67.56	16.41		80.0	
		Z	4.26	73,34	20.27	*******	80.0	
10505- AAA	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	3.90	70.77	18.36	2.23	80.0	± 9.6 %
	,	Y	3.32	67.48	16.40		80.0	
40500	Larra Tiber (00 Tiber)	Z	4.28	72.72	19.99		80.0	
10506- AAA	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	4.96	76.08	20.44	2.23	80.0	± 9.6 %
		Y	3.69	70.42	17.59		80.0	
40505	LATE TOP (OO EDIA: (OO)	Z	6.27	80.92	23.07		80.0	
10507- AAA	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL	×	4.10	70.14	18.39	2.23	80.0	± 9.6 %
	Subframe=2,3,4,7,8,9)						l .	
	Subtrame=2,3,4,7,8,9)	Y	3.64	67.51	16.75		80.0	

10508- AAA	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.15	69.69	18.22	2.23	80.0	± 9.6 %
		Y	3.73	67.32	16.71	 	80.0	
		Z	4.42	71.02	19.44	 	80.0	
10509- AAA	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	4.99	73.55	19.41	2.23	80.0	± 9.6 %
		Y	4.10	69.66	17.30		80.0	
		Z	5.76	76.55	21.26	<u> </u>	80.0	-
10510- AAA	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.52	69.45	18.15	2.23	80.0	± 9.6 %
		Y	4.14	67.46	16.84	 	80.0	
4==4.		Z	4.77	70.58	19.20		80.0	
10511- AAA	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.55	69.09	18.03	2.23	80.0	±9.6 %
		Υ	4.21	67.26	16.81		80.0	
40540		Z	4.76	70.05	19.00		80.0	
10512- AAA	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	5.51	76.01	20.23	2.23	80.0	± 9.6 %
		Y	4.19	70.86	17.65		80.0	
10513- AAA	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	6.89 4.44	80.58 69.87	22.66 18.33	2.23	80.0	±9.6 %
		Y	4.02	67.65	16.91	 -	80.0	ļ
		Z	4.73	71.26	19.51	· · · · · · · · · · · · · · · · · · ·	80.0	
10514- AAA	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.42	69.29	18.13	2.23	80.0	±9.6 %
		Y	4.06	67.31	16.83		80.0	
·····		Z	4.65	70.43	19.20	-	80.0	1
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	Х	1.08	66.18	17.45	0.00	150.0	± 9.6 %
		Υ	1.00	63.54	15.15		150.0	
40540	IEEE 000 dd ywriai a day i a day	Z	1.13	67.37	18.62		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	66.05	168.24	48.41	0.00	150.0	± 9.6 %
······································		Y	0.68	72.54	18.79		150.0	
10517-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	Z	100.00	188.88	55.25		150.0	
AAA	Mbps, 99pc duty cycle)	X	1.09	72.03	20.22	0.00	150.0	± 9.6 %
		Y	0.86	65.76	15.98		150.0	
10518- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	1.30 4.63	76.23 67.33	22.83 16.81	0.00	150.0 150.0	±9.6 %
		Y	4.57	66.82	16.34		150.0	
40510		Z	4.74	67.41	17.06		150.0	
10519- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	Х	4.82	67.54	16.92	0.00	150.0	± 9.6 %
		Y	4.75	67.05	16.45		150.0	
10520-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18	Z	4.95	67.66	17.17		150.0	<u> </u>
AAA	Mbps, 99pc duty cycle)	X	4.68	67.55	16.87	0.00	150.0	± 9.6 %
***		Y	4.60 4.80	67.02	16.38		150.0	
10521- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.61	67.69 67.56	17.14 16.87	0.00	150.0 150.0	± 9.6 %
		Y	4.54	67.01	16.37		150.0	
		Ž	4.74	67.72	17.14	-	150.0	
10522- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	Х	4.67	67.65	16.95	0.00	150.0	± 9.6 %
		Y	4.60	67.11	16.46		150.0	
		Z	4.79	67.73	17.19		150.0	

10523-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48	Х	4.56	67.54	16.82	0.00	150.0	± 9.6 %
AAA	Mbps, 99pc duty cycle)		ļ				1	
		Y	4.48	66.98	16.31		150.0	
40504		Z	4.67	67.64	17.06		150.0	
10524- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	×	4.62	67.57	16.92	0.00	150.0	±9.6 %
		Υ	4.54	67.02	16.42		150.0	
		Z	4.74	67.68	17.17		150.0	
10525- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	×	4.61	66.62	16.51	0.00	150.0	±9.6 %
		Y	4.53	66.08	16.02		150.0	
10506	1555 000 44 - 14/5: /004#1	Z	4.71	66.70	16.75	ļ	150.0	<u> </u>
10526- AAA	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.79	67.00	16.65	0.00	150.0	±9.6 %
		Y	4.70	66.44	16.16		150.0	
10507	IEEE 000 44- 1485 (0014) 11000	Z	4.91	67.12	16.90	ļ	150.0	ļ
10527- AAA	IEEE 802.11ac WIFi (20MHz, MCS2, 99pc duty cycle)	X	4.71	66.99	16.61	0.00	150.0	± 9.6 %
·····		Y	4.62	66.41	16.11		150.0	
40500	LIFET DOO 14	Z	4.83	67.11	16.87		150.0	
10528- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	Х	4.72	67.00	16.64	0.00	150.0	± 9.6 %
		Y	4.64	66.43	16.14		150.0	
40500		Z	4.85	67.13	16.90		150.0	
10529- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.72	67.00	16.64	0.00	150.0	±9.6%
		Y.	4.64	66.43	16.14		150.0	
40504		Z	4.85	67.13	16.90		150.0	
10531- AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	Х	4.72	67.13	16.67	0.00	150.0	± 9.6 %
		Y	4.63	66.53	16.15		150.0	
		Z	4.86	67.30	16.94		150.0	
10532- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	X	4.58	67.00	16.62	0.00	150.0	± 9.6 %
		Υ	4.49	66.39	16.09		150.0	, , , , ,
		Z	4.72	67.18	16.90		150.0	
10533- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	Х	4.74	67.06	16.64	0.00	150.0	± 9.6 %
·····		Y	4.65	66.48	16.13		150.0	
		Z	4.86	67.17	16.88		150.0	
10534- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	Х	5.24	66.96	16.60	0.00	150.0	±9.6 %
		Υ	5.17	66.51	16.18		150.0	
		Z	5.36	67.10	16.84		150.0	
10535- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	Х	5.32	67.15	16.69	0.00	150.0	± 9.6 %
		Υ	5.24	66.69	16.26		150.0	
10555		Z	5.43	67.28	16.91		150.0	
10536- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	Х	5.19	67.13	16.66	0.00	150.0	± 9.6 %
		Υ	5.11	66.64	16.22		150.0	
/A+A-		Z	5.31	67.28	16.90		150.0	
10537- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	Х	5.24	67.07	16.64	0.00	150.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Υ	5.17	66.60	16.20		150.0	
10500		Z	5.37	67.23	16.88		150.0	
10538- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	Х	5.33	67.07	16.67	0.00	150.0	± 9.6 %
		Υ	5.25	66.62	16.25		150.0	
10515		Z	5.47	67.26	16.92		150.0	
10540- AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	Х	5.27	67.12	16.71	0.00	150.0	± 9.6 %
V/A		Υ	5.19	66.65	40.00			
	 	Z	0.19	66.65	16.28		150.0	

10541-	IEEE 000 44 - MEE (40) MI	· · · · · · · · · · · · · · · · · · ·	,				·	
AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5.23	66.96	16.62	0.00	150.0	± 9.6 %
		Υ	5.16	66.51	16.20	1	150.0	
40540		Z	5.35	67.10	16.86	1	150.0	
10542- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.38	67.00	16.65	0.00	150.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		ΙY	5.31	66.57	16.25	 -	150.0	
		Z	5.50	67.14	16.89	T	150.0	
10543- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	Х	5.46	67.02	16.68	0.00	150.0	± 9.6 %
		_ \ Y	5.39	66.60	16.28	† 	150.0	
40844		Z	5.59	67.16	16.91		150.0	
10544- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	Х	5.55	67.01	16.55	0.00	150.0	± 9.6 %
		Y	5.48	66.61	16.17		150.0	
40545		Z	5.65	67.13	16.77		150.0	<u> </u>
10545- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.75	67.46	16.72	0.00	150.0	± 9.6 %
		Y	5.68	67.03	16.33		150.0	
40-1-		Z	5.88	67.63	16.95	 	150.0	
10546- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	Х	5.62	67.24	16.63	0.00	150.0	± 9.6 %
		Y	5,55	66.82	16.24		150.0	<u> </u>
40545		Z	5.74	67.44	16.88	<u> </u>	150.0	
10547- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	Х	5.69	67.27	16.63	0.00	150.0	± 9.6 %
		Y	5.62	66.85	16.24		150.0	
10710		Z	5.83	67.51	16.91		150.0	
10548- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	X	5.98	68.33	17.13	0.00	150.0	± 9.6 %
		Υ	5.87	67.80	16.69		150.0	
		Z	6.24	68.92	17.57		150.0	
10550- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	Х	5.65	67.26	16.65	0.00	150.0	± 9.6 %
		Υ	5.57	66.84	16.26		150.0	
		Z	5.76	67.40	16.87		150.0	
10551 - AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5.65	67.30	16.63	0.00	150.0	± 9.6 %
		Y	5.58	66.88	16.24		150.0	
		Z	5,77	67.45	16.86		150.0	
10552- 4AA	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	X	5.56	67.09	16.54	0.00	150.0	± 9.6 %
		Y	5.49	66.68	16.15	· · · · · · · · · · · · · · · · · · · ·	150.0	
10550		Z	5.67	67.21	16.75		150.0	VIII.
10553- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.64	67.11	16.57	0.00	150.0	± 9.6 %
		Y	5.58	66.71	16.19		150.0	
0554	1555 4000 44	Z	5.76	67.24	16.79		150.0	
10554- NAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.96	67.34	16.61	0.00	150.0	± 9.6 %
		Y	5,89	66.96	16.25		150.0	
IOCCC	IEEE 1000 (1	Z	6.06	67.48	16.83		150.0	
10555- NAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	6.09	67.66	16.75	0.00	150.0	± 9.6 %
		Y	6.02	67.27	16.38		150.0	
0550	IEEE 4000 44	Z	6.21	67.84	16.98		150.0	
0556- VAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.12	67.72	16.76	0.00	150.0	± 9.6 %
		Y	6.04	67.32	16.39		150.0	
OFFT	LEEE 4000 44	Z	6.23	67.87	16.99		150.0	
0557- \AA	IEEE 1602.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.08	67.60	16.73	0.00	150.0	± 9.6 %
		Υ	6.01	67.21	16.36		150.0	
	1	Z	6.20	67.79	16.97		150.0	

10558- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6.13	67.78	16.83	0.00	150.0	± 9.6 %
WW	33pc duty cycle)	Y	6.05	67.37	16.46		3500	
·····	· · · · · · · · · · · · · · · · · · ·	- Z	6.26	68.00			150.0	1
10560- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	6.11	67.60	17.09 16.78	0.00	150.0 150.0	± 9.6 %
		Y	6.05	67.22	16.42		150.0	
		Z	6.24	67.78	17.01		150.0	
10561- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	X	6.04	67.59	16.81	0.00	150.0	± 9.6 %
		Y	5.97	67.19	16.44		150.0	
		Z	6.16	67.77	17.05		150.0	i ·
10562- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.17	67.99	17.01	0.00	150.0	± 9.6 %
	700	Υ	6.09	67.57	16.63		150.0	
		Z	6.34	68.31	17.32		150.0	
10563- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.39	68.24	17.09	0.00	150.0	±9.6%
		Y	6.30	67.78	16.69		150.0	
		Z	6.75	69.07	17.64		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	Х	4.94	67.29	16.89	0.46	150.0	± 9.6 %
		Y	4.88	66.84	16.45		150.0	
		Z	5.06	67.40	17.15		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	Х	5.18	67.75	17.21	0.46	150.0	±9.6 %
		Y	5.12	67.31	16.79		150.0	
		Ζ	5.31	67.87	17.46		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	Х	5.01	67.61	17.04	0.46	150.0	± 9.6 %
		Υ	4.95	67.15	16.60	,	150.0	
		Z	5.15	67.77	17.32		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	5.05	68.04	17.42	0.46	150.0	±9.6%
		Y	4.98	67.57	16.98		150.0	
		Z	5.18	68.18	17.68		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	Х	4.92	67.37	16.80	0.46	150.0	± 9.6 %
		Y	4.85	66.88	16.33		150.0	
		Z	5.06	67.52	17.09		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	Х	5.01	68.16	17.50	0.46	150.0	±9.6 %
		Υ	4.94	67.66	17.03		150.0	
		Z	5.12	68.25	17.73		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	Х	5.04	67.98	17.41	0.46	150.0	± 9.6 %
		Υ	4.97	67.51	16.97		150.0	
		Z	5.16	68.07	17.65		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	Х	1.27	66.98	17.84	0.46	130.0	± 9.6 %
		Υ	1.16	64.23	15.53		130.0	
		Z	1.31	68.12	19.17		130.0	
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.30	67.88	18.37	0.46	130.0	± 9.6 %
		Υ	1.17	64.80	15.89		130.0	
		Z	1.35	69.17	19.80		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	Х	100.00	164.73	46.26	0.46	130.0	± 9.6 %
		Υ	1.65	82.53	22.38		130.0	
		Z	100.00	179.99	52.78		130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1.88	80.01	24.17	0.46	130.0	±9.6%
- V-V-A		1 37	4.00		10.00			
		Y	1.28	70.58	18.90		130.0	

1000							·	,
10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	X	4.71	67.03	16.90	0.46	130.0	± 9.6 %
		Y	4.65	66.55	16.42		130.0	
10		Z	4.84	67.20	17.24		130.0	
10576- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	Х	4.74	67.22	16.98	0.46	130.0	± 9.6 %
ļ		Y	4.68	66.72	16.50		130.0	
40555		Z	4.87	67.38	17.31	1	130.0	
10577- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	Х	4.95	67.51	17.14	0.46	130.0	± 9.6 %
		Y	4.88	67.02	16.67		130.0	
10578-	1555 000 44 1455 0 4 500 G	Z	5.09	67.69	17.47		130.0	<u> </u>
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.85	67.71	17.27	0.46	130.0	± 9.6 %
		Y	4.78	67.20	16.79		130.0	
10579-	IEEE COD 44- MEE C 4 OV 45-00	Z	4.99	67.91	17.61		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	X	4.61	66.95	16.56	0.46	130.0	± 9.6 %
		Y	4.53	66.40	16.04		130.0	-
10580-	FEE 000 44 140 0 1 6 1	Z	4.76	67.24	16.96		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	×	4.65	66.99	16.58	0.46	130.0	±9.6 %
		Y	4.58	66,44	16.05		130.0	
10581-	IFFE 000 44 MIRE 0 4 COM	Z	4.81	67.24	16.97		130.0	
AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	Х	4.75	67.78	17.23	0.46	130.0	± 9.6 %
		Y	4.67	67.22	16.72		130.0	
40500		Z	4.90	68.01	17.59		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	Х	4.55	66.70	16.34	0.46	130.0	± 9.6 %
		Y	4.47	66.15	15.81	-	130.0	
		Z	4.71	66.99	16.75		130.0	
10583- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.71	67.03	16.90	0.46	130.0	± 9.6 %
		Υ	4.65	66.55	16.42		130.0	
		Z	4.84	67.20	17.24		130.0	
10584- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	Х	4.74	67.22	16.98	0.46	130.0	± 9.6 %
		Y	4.68	66.72	16.50		130.0	
		Z	4.87	67.38	17.31		130.0	
10585- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	X	4.95	67.51	17.14	0.46	130.0	± 9.6 %
		Υ	4.88	67.02	16.67		130.0	· · · · · · · · · · · · · · · · · · ·
		Z	5.09	67.69	17.47		130.0	
10586- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.85	67.71	17.27	0.46	130.0	± 9.6 %
		Y	4.78	67.20	16.79		130.0	
40=0=		Z	4.99	67.91	17.61		130.0	
10587- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	Х	4.61	66.95	16.56	0.46	130.0	± 9.6 %
		Y	4.53	66.40	16.04		130.0	
40500		Z	4.76	67.24	16.96		130.0	
10588- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	Х	4.65	66.99	16.58	0.46	130.0	± 9.6 %
		Υ	4.58	66.44	16.05		130.0	
40500		Z	4.81	67.24	16.97		130.0	
10589- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	Х	4.75	67.78	17.23	0.46	130.0	± 9.6 %
		Y	4.67	67.22	16.72		130.0	
10500		Z	4.90	68.01	17.59		130.0	
10590- AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	X	4.55	66.70	16.34	0.46	130.0	± 9.6 %
		Υ	4.47	66.15	15.81		-4000	
		Ż	7.77	<u> </u>	13.01		130.0	1

10591-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.86	67.07	16.98	0.46	130.0	± 9.6 %
AAA	MCS0, 90pc duty cycle)	Y	4.80	66.62	16.53		130.0	
		Z	4.80	67.22	17.30		130.0	
10500	IEEE OOG 44- UIT Missel OOMUIN			67.42	17.12	0.46	130.0	± 9.6 %
10592- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	X	5.02			0.46		I 9.0 %
		Y	4.96	66.96	16.66		130.0	
		Z	5.16	67.58	17.43		130.0	
10593- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.94	67.33	17.00	0.46	130.0	± 9.6 %
		Y	4.87	66.85	16.53		130.0	
		Z	5.09	67.54	17.34		130.0	
10594- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	Х	5.00	67.51	17.16	0.46	130.0	± 9.6 %
		Y	4.93	67.03	16.70		130.0	
		Z	5.14	67.69	17.49		130.0	
10595- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.96	67.46	17.06	0.46	130.0	± 9.6 %
7001	Miss it sape day system	Y	4.89	66.97	16.59		130.0	
		ż	5.11	67.66	17.40		130.0	
10596-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.90	67.47	17.07	0.46	130.0	± 9.6 %
10596- AAA	MCS5, 90pc duty cycle)	 	4.83	66.96	16.58		130.0	
		Z	5.05	67.68	17.42		130.0	
40507	JEEE 200 44 - /UT Mixed 20MH-	X	4.85	67.38	16.96	0.46	130.0	± 9.6 %
10597- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)					0.40		1 3.0 70
		Y	4.78	66.86	16.46		130.0	
		Z	5.00	67.61	17.32	0.40	130.0	
10598- AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	X	4.84	67.64	17.24	0.46	130.0	± 9.6 %
		Y	4.77	67.12	16.75		130.0	
		Z	4.98	67.87	17.60		130.0	
10599- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	×	5.54	67.57	17.15	0.46	130.0	± 9.6 %
		Y	5.48	67.19	16.75		130.0	
		Z	5.67	67.76	17.45		130.0	
10600- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	Х	5.68	68.03	17.34	0.46	130.0	± 9.6 %
<u> </u>		Υ	5.61	67.58	16.92		130.0	
		Z	5.89	68.47	17.78		130.0	
10601- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.56	67.76	17.23	0.46	130.0	± 9.6 %
		Y	5.50	67.33	16.81		130.0	
		Z	5.73	68.06	17.59		130.0	
10602- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.66	67.78	17.15	0.46	130.0	± 9.6 %
		Y	5.59	67.36	16.74		130.0	
		Z	5.81	68.03	17.49		130.0	
10603- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.74	68.09	17.44	0.46	130.0	± 9.6 %
		Y	5.68	67.68	17.03	· · · · · · · · · · · · · · · · · · ·	130.0	1
		Ż	5.89	68.31	17.75	†	130.0	
10604- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.54	67.54	17.16	0.46	130.0	± 9.6 %
700)	incoo, copo daty dydioj	Y	5.49	67.16	16.76	 	130.0	1
		Ż	5.67	67.71	17.45	1	130.0	
10605- AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.66	67.90	17.33	0.46	130.0	± 9.6 %
10 VT	ooo, cope daty dybio)	Y	5.60	67.47	16.91		130.0	<u>† </u>
		Z	5.81	68.13	17.66	1	130.0	1
10606-	IEEE 802.11n (HT Mixed, 40MHz,	X	5.39	67.18	16.84	0.46	130.0	± 9.6 %
AAA	MCS7, 90pc duty cycle)	Y	5.33	66.78	16.42		130.0	

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10607- AAA	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	Х	4.72	66.47	16.66	0.46	130.0	± 9.6 %
		Y	4.64	65.94	16.16	 	130.0	 -
		Z	4.84	66.64	16.98	-	130.0	
10608-	IEEE 802.11ac WiFi (20MHz, MCS1,	 	4.91	66.89	16.82	0.46		1000
AAA	90pc duty cycle)			<u> </u>	<u> </u>	0.46	130.0	± 9.6 %
		Y	4.83	66.35	16.32		130.0	
10609-	IEEE 000 44 1405; (000 H)	Z	5.06	67.09	17.16		130.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.80	66.75	16.67	0.46	130.0	± 9.6 %
		Υ	4.71	66.18	16.15		130.0	
		Z	4.95	66.97	17.02		130.0	
10610- AAA	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.85	66.91	16.83	0.46	130.0	± 9.6 %
		Υ	4.77	66.35	16.32	1	130.0	
		Z	5.00	67.13	17.18		130.0	· · · · · · · · · · · · · · · · · · ·
10611- AAA	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.77	66.71	16.68	0.46	130.0	± 9.6 %
		Y	4.68	66.14	16.16		130.0	
		Ż	4.92	66.95	17.04		130.0	 -
10612-	IEEE 802.11ac WiFi (20MHz, MCS5,	X	4.78	66.89	16.74	0.46	130.0	4000
AAA	90pc duty cycle)					0.40	<u> </u>	±9.6 %
		Y	4.69	66.29	16.20		130.0	ļ
10613-		Z	4.94	67.15	17.11		130.0	
AAA	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.78	66.75	16.61	0.46	130.0	±9.6 %
		Y	4.69	66.16	16.08		130.0	
		Z	4.95	67.04	16.99		130.0	
10614- AAA	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.73	66.98	16.87	0.46	130.0	± 9.6 %
		Y	4.64	66.38	16.33		130.0	
		Z	4.88	67.24	17.24		130.0	
10615- AAA	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	Х	4.76	66.52	16.45	0.46	130.0	± 9.6 %
		Y	4.67	65.95	15.92		130.0	
		Z	4.92	66.77	16.81		130.0	
10616- AAA	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	X	5.37	66.87	16.79	0.46	130.0	± 9.6 %
		Y	5.30	66.43	16.36		130.0	
		Z	5.51	67.10	17.11		130.0	
10617- AAA	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.44	67.07	16.86	0.46	130.0	± 9.6 %
	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Y	5.36	66.60	16.42		130.0	
		Z	5.58	67.25	17.15		130.0	
10618- AAA	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	5.33	67.09	16.89	0.46	130.0	± 9.6 %
	1	Y	5.25	66.61	16.44		130.0	
		Z	5.47	67.33	17.22		130.0	
10619- AAA	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.34	66.88	16.72	0.46	130.0	± 9.6 %
	1 0000 0000	Y	5.26	66.41	16.27		130.0	
		Z	5.49	67.14	17.05			
10620- AAA	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	X	5.43	66.90	16.77	0.46	130.0 130.0	± 9.6 %
, 1.7.7.	John duty Cycle)	Y	5.35	66.45	16.34		120.0	
		Z	5.60	67.20	17.13		130.0	#*************************************
10621- AAA	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	X	5.43	67.04	16.96	0.46	130.0 130.0	± 9.6 %
	oopo daty cycles	Y	5.36	EC 60	10.54		400.0	
				66.60	16.54		130.0	
10622-	IEEE 802.11ac WiFi (40MHz, MCS6,	Z	5.57	67.24	17.26	0.40	130.0	
AAA	90pc duty cycle)	X	5.45	67.23	17.05	0.46	130.0	± 9.6 %
		Y	5.37	66.77	16.61		130.0	
		Z	5.59	67.45	17.36	Ī	130.0	-

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10623-	IEEE 802.11ac WiFi (40MHz, MCS7,	X	5.31	66.72	16.67	0.46	130.0	± 9.6 %
AAA	90pc duty cycle)	^	0.01	00.12	10.07	0.40	100.0	2 0.0 %
		Y	5.24	66.26	16.23		130.0	
		Z	5.45	66.94	16.99		130.0	
10624- AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.51	66.90	16.82	0.46	130.0	± 9.6 %
		Y	5.44	66.47	16.40		130.0	
		Z	5.66	67.14	17.14		130.0	
10625- AAA	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	X	5.89	67.94	17.38	0.46	130.0	± 9.6 %
		Y	5.80	67.44	16.93		130.0	
10626- AAA	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	Z X	6.14 5.66	68.46 66.88	17.84 16.71	0.46	130.0	± 9.6 %
· · · · · · · · · · · · · · · · · · ·		Y	5.59	66.48	16.31		130.0	· · · · · · · · · · · · · · · · · · ·
		Z	5.77	67.07	17.00		130.0	
10627- AAA	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.92	67.50	16.97	0.46	130.0	± 9.6 %
		Y	5.84	67.06	16.56		130.0	
1000		Z	6.07	67.77	17.29		130.0	
10628- AAA	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	X	5.70	66.99	16.66	0.46	130.0	± 9.6 %
		Y	5.62	66.56	16.24		130.0	
40000	VEEE 000 44 - WEEL (OOM) - NOOO	Z	5.85	67.27	16.99	0.40	130.0	. 0 0 0/
10629- AAA	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.77	67.05	16.68	0.46	130.0	± 9.6 %
		YZ	5.70 5.93	66.61 67.32	16.26		130.0	
10630- AAA	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	6.27	68.73	17.00 17.51	0.46	130.0 130.0	± 9.6 %
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ospo daty syste)	Y	6.14	68.13	17.02		130.0	
		Ż	6.64	69.61	18.14		130.0	
10631- AAA	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	Х	6.13	68.43	17.56	0.46	130.0	± 9.6 %
		Y	6.04	67.95	17.13		130.0	
		Z	6.38	68.96	18.00		130.0	
10632- AAA	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	Х	5.88	67.56	17.14	0.46	130.0	± 9.6 %
	···	Y	5.81	67.15	16.75		130.0	
10000	TEEE COO 44 INVENTOR AND A LOOP	Z	6.02	67.77	17.43	2 : 2	130.0	0.00
10633- AAA	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	X	5.76	67.15	16.76	0.46	130,0	± 9.6 %
		 	5.69	66.73	16.36	<u> </u>	130.0	
10634- AAA	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	X	5.91 5.74	67.43 67.18	17.10 16.84	0.46	130.0 130.0	±9.6%
		Y	5.67	66.77	16.45		130.0	
		Z	5.89	67.43	17.15		130.0	
10635- AAA	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	Х	5.61	66.46	16.21	0.46	130.0	± 9.6 %
		Υ	5.54	66.05	15.80		130.0	
		Z	5.77	66.77	16.57		130.0	
10636- AAA	IEEE 1602.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	6.07	67.23	16.77	0.46	130.0	± 9.6 %
	<u> </u>	Y	6,01	66.85	16.40	1	130.0	<u> </u>
10637- AAA	IEEE 1602.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.20 6.24	67.46 67.64	17.07 16.96	0.46	130.0 130.0	± 9.6 %
- 1 2 1		Y	6.17	67.24	16.57	· · · · · · · · · · · · · · · · · · ·	130.0	
	1	Ż	6.39	67.90	17.27		130.0	
10638- AAA	IEEE 1602.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.24	67.60	16.91	0.46	130.0	± 9.6 %
		Υ	6.16	67.20	16.53		130.0	
		Z	6.39	67.88	17.24		130.0	

10639- AAA	IEEE 1602.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	X	6.21	67.55	16.93	0.46	130.0	± 9.6 %
		Y	6.14	67.16	16.56	 	130.0	ļ
		Z	6.36	67.82	17.26		130.0	
10640- AAA	IEEE 1602.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	Х	6.22	67.56	16.88	0.46	130.0	± 9.6 %
		Y	6.14	67.15	16.49		130.0	<u> </u>
		Z	6.40	67.92	17.25		130.0	
10641- AAA	IEEE 1602.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	Х	6.26	67.45	16.84	0.46	130.0	± 9.6 %
		Y	6.19	67.06	16.47		130.0	****
		Z	6.39	67.65	17.13		130.0	
10642- AAA	IEEE 1602.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	Х	6.30	67.71	17.14	0.46	130.0	± 9.6 %
		Y	6.23	67.34	16.78	· · · · · · · · · · · · · · · · · · ·	130.0	
		Z	6.45	67.95	17.44		130.0	
10643- AAA	IEEE 1602.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	6.14	67.40	16.89	0.46	130.0	± 9.6 %
		Υ	6.07	67.00	16.50		130.0	
		Z	6.28	67.66	17.21	·	130.0	
10644- AAA	IEEE 1602.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.31	67.92	17.17	0.46	130.0	±9.6%
		Y	6.22	67.48	16.76		130.0	
		Z	6.53	68.40	17.60	····	130.0	
10645- AAA	IEEE 1602.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.65	68.53	17.42	0.46	130.0	±9.6%
		Υ	6.53	68.00	16.98		130.0	
		Z	7.07	69.51	18.09		130.0	
10646- AAB	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	29.68	120.78	40.66	9.30	60.0	± 9.6 %
		Y	11.04	95.03	31.40		60.0	· · · · · · · · · · · · · · · · · · ·
		Z	75.24	148.83	50.35		60.0	······································
10647- AAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	24.82	117.51	39.90	9.30	60.0	± 9.6 %
		Y	10.05	93.61	31.04	, , , , , , , , , , , , , , , , , , , ,	60.0	
		Z	55.72	142.31	48.91		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	1.45	74.59	16.77	0.00	150.0	± 9.6 %
		Y	0.75	64.51	11.56		150.0	
		Z	4.10	90.49	23.35		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.