PROBE CALIBRATION CERTIFICATES

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





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Swiss Calibration Service

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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Multilateral Agreement for the recognition of calibration certificates

Client

BACL-SZ (Auden)

Certificate No: ES3-3019_Aug18

CALIBRATION CERTIFICATE

Object

ES3DV2 - SN:3019

August 20, 2018

Calibration procedure(s)

Calibration date:

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

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	04-Apr-18 (No. 217-02672/02673)	Apr-19
Power sensor NRP-Z91	SN: 103244	04-Apr-18 (No. 217-02672)	Apr-19
Power sensor NRP-Z91	SN: 103245	04-Apr-18 (No. 217-02673)	Apr-19
Reference 20 dB Attenuator	SN: S5277 (20x)	04-Apr-18 (No. 217-02682)	Apr-19
Reference Probe ES3DV2	SN: 3013	30-Dec-17 (No. ES3-3013_Dec17)	Dec-18
DAE4	SN: 660	21-Dec-17 (No. DAE4-660_Dec17)	Dec-18
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E44198	SN: GB41293874	05-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	05-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	08-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8848C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-17)	In house check: Oct-18

Calibrated by:

Name
Function
Signature
Laboratory Technician

Approved by:

Katja Pokovic
Technical Manager

Issued: August 21, 2018

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

Certificate No: ES3-3019_Aug18

Page 1 of 39

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





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Glossary:

NORMx,y,z ConvF

tissue simulating liquid sensitivity in free space sensitivity in TSL / NORMx,y,z diode compression point

DCP CF A, B, C, D

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

Polarization φ

φ rotation around probe axis

Polarization 9

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

i.e., 3 = 0 is normal to probe axis

Connector Angle

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx.y,z: Assessed for E-field polarization 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E2-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z, Bx,y,z, Cx,y,z, Dx,y,z, VRx,y,z, A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f < 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ± 50 MHz to ± 100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis), No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

ES3DV2 - SN:3019 August 20, 2018

Probe ES3DV2

SN:3019

Manufactured: Calibrated: December 5, 2002 August 20, 2018

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

Certificate No: ES3-3019_Aug18

Page 3 of 39

August 20, 2018 ES3DV2-SN:3019

DASY/EASY - Parameters of Probe: ES3DV2 - SN:3019

Rasic Calibration Parameters

Dasic Galleration Land	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (µV/(V/m) ²) ^A	1.01	1.13	0.93	± 10.1 %
DCP (mV) ⁹	104.8	103.8	106.3	

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Unc [®] (k=2)
0	CW	X	0.0	0.0	1.0	0.00	189.8	±3.0 %
_		Y	0.0	0.0	1.0		205.7	
		Z	0.0	0.0	1.0		205.8	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V-1	T1 ms.V ⁻²	T2 ms.V ⁻¹	T3 ms	T4 V-2	T5 V-1	Т6
X	27.76	200.6	35.82	18,61	0.506	5.10	0.000	0.276	1.005
Y	28,17	203.3	35.77	18.85	0.706	5.10	0.000	0.137	1.010
Z	26.29	187.2	34.88	16.18	0.325	5.10	1.142	0.072	1.007

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

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

⁹ Numerical linearization parameter: uncertainty not required.

⁶ Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

August 20, 2018 ES3DV2-SN:3019

DASY/EASY - Parameters of Probe: ES3DV2 - SN:3019

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 ⁰	Depth o (mm)	Unc (k=2)
	150	52.3	0.76	7.67	7.67	7.67	0.05	1.50	± 13.3 %
ı	450	43.5	0.87	7.18	7.18	7.18	0.15	1.60	± 13.3 %

^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 CorwF 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 CorwF 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 (ε and σ) can be released 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 CorwF uncertainty for indicated target tissue parameters.

*AlphaDepth are detormined during calibration. SPEAC warrants that the remaining deviation due to the boundary effect after compensation is always lass 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.

August 20, 2018 ES3DV2- SN:3019

DASY/EASY - Parameters of Probe: ES3DV2 - SN:3019

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 ^d (mm)	Unc (k=2)
150	61.9	0.80	7.30	7.30	7.30	0.07	1,50	± 13.3 %
450	56.7	0.94	7.10	7.10	7.10	0.10	1.50	± 13.3 %

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.

*All frequencies below 3 GHz, the validity of tissue parameters (c and o) can be relaxed to ± 10% if figuid compensation formula is applied to measured SAR values. At frequencies above 3 GHz, the validity of tissue parameters (c and o) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target lissue parameters.

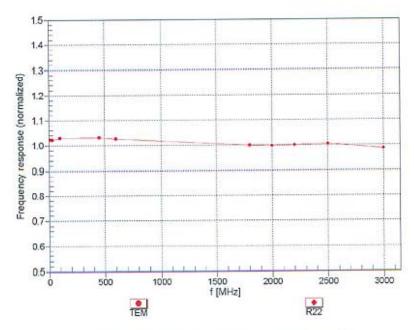
*Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip diameter from the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

Page 6 of 39

Certificate No: ES3-3019_Aug18

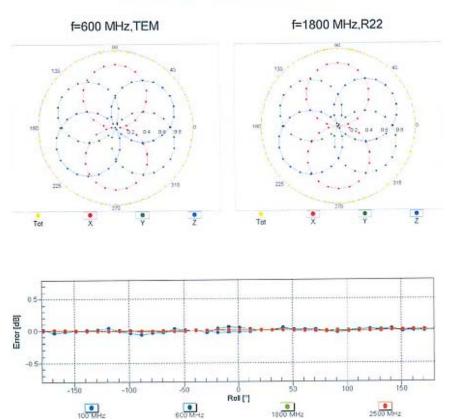
August 20, 2018 ES3DV2-SN:3019

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



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

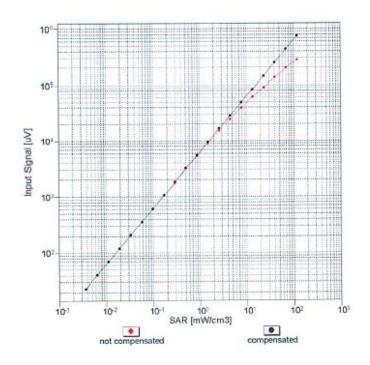
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

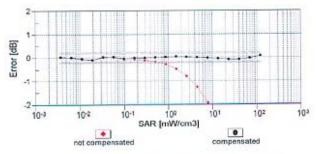


Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

ES3DV2~ SN:3019 August 20, 2018

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

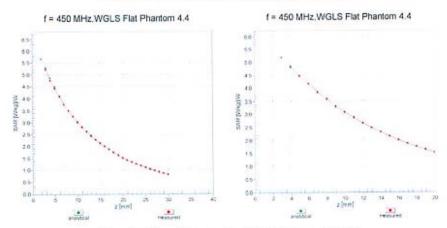




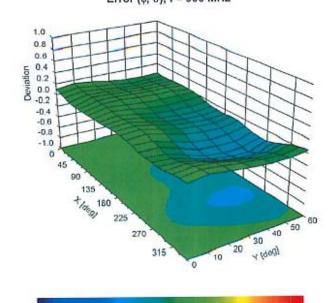
Uncertainty of Linearity Assessment: ± 0.6% (k=2)

ES3DV2- SN:3019 August 20, 2018

Conversion Factor Assessment



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



ES3DV2- SN:3019 August 20, 2018

DASY/EASY - Parameters of Probe: ES3DV2 - SN:3019

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-18.7
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

ES3DV2-SN:3019

Appendix:	Modulation	Calibration	Parameters
APPOINTA.	Modulation	Campianon	Farameters

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Max Unc ^E (k=2)
0	CW	X	0.00	0.00	1.00	0.00	189.8	± 3.0 %
		Y	0.00	0.00	1.00		205.7	
		Z	0.00	0.00	1.00	Terrore la	205.8	- 100
10010- CAA	SAR Validation (Square, 100ms, 10ms)	X	3.29	69.40	11.94	10.00	25.0	± 9.6 %
301.01.0		Y	6.86	78,15	16.03		25.0	
and the same		Z	3.55	70.52	12.29		25.0	
10011- CAB	UMTS-FDD (WCDMA)	X	0.88	67.55	14.41	0.00	150.0	± 9.6 %
		Y	1.00	69.15	15.56		150.0	
****	THE COLUMN THE CASE OF THE COLUMN	Z	0.82	66.15	13.59		150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	×	1.15	64.93	15.50	0.41	150.0	± 9.6 %
		Y	1.20	65.35	15.90		150.0	
10013-	IEEE 902 11a WIEL2 4 CU- (DCCC	Z	1.13	64.32	14.98	4.10	150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	X	4.63	67.61	17.39	1,46	150.0	± 9.6 %
		Z	4.69 4.58	67.72	17.52		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	X	100.00	67.52 114.64	17.24 27.74	9.39	150.0 50.0	± 9.6 %
		Y	100.00	117.82	29.54		50.0	
		Z	100.00	114.90	27.69		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	х	100.00	113.96	27.45	9.57	50.0	± 9.6 %
		Y	100.00	117.23	29.30		50.0	
-	The second secon	Z	100.00	114.00	27,30	Sangue 4	50.0	22777
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	X	100.00	112,40	25.80	6.56	60.0	± 9.6 %
		Υ	100.00	116.08	27.75		60.0	
10025-	CONTRACTOR OF THE CONTRACTOR O	Z	100.00	113.76	26.24		60.0	
DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	X	9.98	97.93	39.31	12.57	50.0	±9.6 %
		Z	32.24	137.81	54.11		50.0	
10026-	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	7.11	87.72 104.70	35.09 37.60	9.56	50.0 60.0	±9.6 %
DAC						0.00		20.07
1011		Y	21.43	115.81	41.75		60.0	
40007	CORDS COR ITEMA CHOW THE	Z	10.88	98.23	35.49		60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	X	100.00	112.28	25.05	4.80	80.0	± 9.6 %
		Y	100.00	116.70	27.28		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	114.64 112.94	25.92 24.67	3.55	80.0 100.0	± 9.6 %
2.10		Y	100.00	118.58	27.39		100.0	
		Z	100.00	116.41	26.01		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	x	8.11	90.12	31.09	7.80	80.0	± 9.6 %
		Y	9.67	94.63	33.13		80.0	
C-07594	Appelled From the Control of the authorized the control of the con	Z	6.66	85.92	29.56	of the property	80.0	-more
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	X	100.00	109.77	24,16	5.30	70.0	± 9.6 %
		Y	100.00	113.94	26.30		70.0	
40001	THE COLUMN TO A PARTY OF THE PA	Z	100.00	111.16	24.61	4.00	70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Х	100.00	105.00	19.97	1.88	100.0	± 9.6 %
		Y	100.00	115.59	24.65		100.0	
		Z	100.00	108.86	21.47		100.0	

ES3DV2-SN:3019

10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Х	100.00	100.25	17.19	1.17	100.0	± 9.6 %
urus		Y	100.00	119.00	25.00		100.0	
		Z	100.00	106.97	19.82		100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (Pl/4-DQPSK, DH1)	X	100.00	117.31	28.80	5.30	70.0	± 9.6 %
UAA	DH1)	V	100.00	119.34	29.96		70.0	
		Z	100.00	117.71	28.83	_	70.0	
4000	TEER OOD AS A DIVINION TO THE PROPERTY.		3.39	74.56	14.02	1.88	100.0	± 9.6 %
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	170000		17.60	1.00	100.0	1 9.0 %
		Y	7.50	83.72			THE RESERVE OF THE PERSON NAMED IN	_
		Z	2.76	72.78	13.27	4.47	100.0	1 m m 0/
10035- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	X	1.52	67.61	10.81	1.17	100.0	±9.6 %
		Y	2.55	73.11	13.53		100.0	
		Z	1.33	66.63	10.29		100.0	
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	X	100.00	117.74	29.00	5.30	70.0	± 9.6 %
Car o 1		Y	100.00	119.74	30,14		70.0	
		Z	100.00	118.21	29.05		70.0	
10037-	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	X	2.81	72.76	13.37	1.88	100.0	± 9.6 %
CAA	ness over our biocoom (o-or-on, one)	Y	5.49	80.47	16.60	1000	100.0	2000
			2.33	71.15	12.66		100.0	
10000	HEEF DOO SE & DEVELOPING DOOR DOOR	Z	1.57	68.12	11.15	1,17	100.0	±9.6 %
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)		D42062	3,000,000	1410190	1.17	100000	± 3.0 %
		Υ	2.68	73.90	13.96		100.0	
		Z	1.36	66.99	10.57	1,11,15	100.0	0.000
10039- CAB	CDMA2000 (1xRTT, RC1)	×	0.51	60.81	6.58	0.00	150.0	± 9.6 %
501.517		Y	0.63	62.47	8.01		150.0	
	133	Z	0.48	60.49	6.29		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	Х	100.00	109.34	24.59	7.78	50.0	± 9.6 %
0710	Dar of Criminal	Y	100.00	113.01	26.55		50.0	
		Z	100.00	110.01	24.73		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	X	0.06	123.26	6.55	0.00	150.0	± 9.6 %
GMM		V	0.00	117.23	6.07		150.0	
		7	0.00	120.00	0.96		150.0	
10048-	DECT (TDD, TDMA/FDM, GFSK, Full	X	100.00	113.79	28.54	13.80	25.0	± 9.6 %
CAA	Slot, 24)		100.00	447.44	30.66		25.0	
		Y	100.00	117.44			25.0	
		Z	100.00	112.50	27.83	40.70		1000
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	100.00	113.10	27.30	10.79	40.0	± 9.6 %
		Y	100.00	116.50	29.24		40.0	
нического	The Assertation and the Company of t	Z	100.00	112.54	26.89		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	118.95	30,75	9.03	50.0	± 9.6 %
		Y	100.00	120.98	31.98		50.0	
		Z	100.00	119.02	30.62	- Lyterani	50.0	
10058-	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	X	5.91	83.19	27.57	6.55	100.0	± 9.6 %
DAC	English frame of our in a tre-a)	Y	6.56	85.60	28.82	ALESSO.	100.0	100000000
		Z	5.08	80.09	26.35		100.0	
10000	ACCUSANT MARINA CANADAGO O			66.85	16.51	0.61	110.0	± 9.6 %
10059- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	Х	1.25	-		0.01		2 5.0 %
- K. C.		Y	1.32	67.32	16.93		110.0	
		Z	1.20	65.88	15.84		110.0	
10060- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	X	100.00	134.06	33.85	1.30	110.0	± 9.6 %
		Y	100.00	136.81	35.28		110.0	-

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	15.36	108.05	30.50	2.04	110.0	± 9.6 %
1900000		Y	15.08	108.15	30.91		110.0	
		Z	6.66	94.63	26.70		110.0	Language of
10062- CAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps)	X	4.35	67.26	16.60	0,49	100.0	± 9.6 %
		Y	4.41	67.37	16.72		100.0	
		Z	4.30	67.18	16,44	NU SOCIAL	100.0	The second second
10063- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	×	4.38	67.45	16.75	0.72	100.0	± 9.6 %
		Y	4.44	67.56	16.88		100.0	
10001		Z	4.34	67.37	16.60	9.55555	100.0	47-12910
10064- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	Х	4.60	67.64	16.95	0.86	100.0	± 9.6 %
		Y	4.66	67.75	17.07		100.0	
	The second secon	Z	4.55	67.56	16.80		100.0	
10065- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	Х	4.51	67.57	17.11	1.21	100.0	± 9.6 %
	112-12	Y	4.57	67.68	17.23		100.0	-
		Z	4.46	67.48	16.95	1	100.0	
10066- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.54	67.62	17.29	1.46	100.0	±9.6 %
	100000	Y	4.60	67.74	17.42		100.0	
		Z	4.48	67.51	17.12		100.0	
10067- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	4.84	68.00	17.84	2.04	100.0	± 9.6 %
-	1000XXXX	Y	4.91	68.15	17.99		100.0	
		Z	4.77	67.85	17.66		100.0	
10068- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	4.93	68.11	18.14	2.55	100.0	± 9.6 %
201.01		Y	5.00	68.27	18.29		100.0	
		Z	4.86	68.00	17.98	Maracan II.	100.0	
10069- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	4.97	68.10	18.30	2.67	100.0	± 9.6 %
		Y	5.05	68.27	18.47		100.0	
		Z	4.90	67.95	18.12	in-server	100.0	Lancour
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	4.76	67.80	17.78	1.99	100.0	±9.6 %
		Y	4.82	67.92	17.91		100.0	
	THE STATE OF THE S	Z	4.71	67,71	17.63		100.0	
10072- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	X	4.74	68.13	18.04	2.30	100.0	± 9.6 %
		Y	4.81	68.27	18.18		100.0	
		Z	4.67	67.99	17.87		100.0	
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	Х	4.86	68.55	18.52	2.83	100.0	± 9.6 %
1127		Y	4.94	68.72	18.68	1 1	100.0	
		Z	4.79	68.40	18.35		100.0	
10074- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	Х	4,92	68.71	18.79	3.30	100.0	± 9.6 %
		Y	5.01	68.89	18.96	-	100.0	
		2	4.85	68.56	18.63		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	X	4,99	68.87	19.13	3.82	90.0	± 9.6 %
		Y	5.08	69.07	19.31		90.0	
		Z	4.91	68.70	18.96		90.0	
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	Х	5.04	68.76	19.33	4.15	90.0	±9.6 %
		Y	5.14	69.00	19.53		90.0	
	I have the same of	Z	4.97	68.59	19.16	Lower Ti	90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	х	5.09	68.91	19.48	4.30	90.0	± 9.6 %
		Y	5.19	69.15	19.69		90.0	
		Z	5.01	68.73	19.30		90.0	

ES3DV2- SN:3019

10081- CAB	CDMA2000 (1xRTT, RC3)	X	0.33	60.00	5.42	0.00	150.0	± 9.6 %
01 10		Y	0.37	60.39 60.00	6.25 5.39		150.0 150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	X	0.87	60.00	4.66	4.77	80.0	± 9.6 %
UHD	DQF3K, Fulliate)	Y	0.92	60.00	5.02		80.0	
		Z	0.79	60.00	4.55		80.0	-
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	Х	100.00	112.50	25.87	6.56	60.0	± 9.6 %
9-12/A-12		Y	100.00	116.14	27.80		60.0	
		Z	100.00	113.84	26.29	0.00	60.0	1.0.00
10097- CAB	UMTS-FDD (HSDPA)	Х	1.68	68.74	14.96	0.00	150.0	± 9.6 %
		Y	1.80	69.62	15.63		150.0	
		Z	1.59	67.84	14.37	0.00	150.0	± 9.6 %
10098- CAB	UMTS-FDD (HSUPA, Subtest 2)	X	1.64	68.69	14.95	0.00	150.0	± 9.0 %
		Y	1.77	69.59	15.63		150.0	
	TO SEE THE STOLE STOLE THE SE	Z	1.56	67.78	14.35 37.67	9.56	150.0	± 9.6 %
10099- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	X	14.55	104.92	7.0030	9,00	60.0	X 9.0 %
		Y	21.65	116.02	41.81		60.0	
10100	1 TE FDD /00 FDMA 4000/ DD 00	Z	10.99	98.46 69.89	35.57 16.53	0.00	150.0	±9.6 %
10100- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	Y	2.75	70.39	16.89	0.00	150.0	1 3.0 %
		Z	2.65	69.26	16.15		150.0	
	1 NO COD 100 COLL 1000 DD 00	X	2.92	67.35	15.74	0.00	150.0	± 9.6 %
10101- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	Y	2.92	67.63	15.74	0.00	150.0	E 0.0 79
		Z	2.87	67.07	15.50		150.0	
10102- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	X	3.03	67.40	15.86	0.00	150.0	± 9.6 %
CAE	MFIZ, 64-QAM)	Y	3.09	67.64	16.07		150.0	
		Z	2.98	67.15	15.62		150.0	
10103- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	7.90	81.11	22.78	3.98	65.0	± 9.6 %
		Y	7.81	80.69	22.73		65.0	
		Z	7.06	79.54	22.21		65.0	
10104- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	6.89	76.73	21.71	3.98	65.0	± 9.6 %
-		Y	7,12	77.18	22.01		65.0	
	The same and the s	Z	6.50	75.95	21.35		65.0	
10105- CAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	Х	6.51	75.50	21.48	3.98	65.0	± 9.6 %
		Y	6.52	75.32	21.50		65.0	
III.	The second supplied to the second sec	Z	6.50	75.81	21.59		65.0	-
10108- CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	2.35	69.45	16.36	0.00	150.0	± 9.6 %
		Y	2.45	69.99	16.76		150.0	
	The state of the s	Z	2.25	68.74	15.91		150.0	1000
10109- CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	2.55	67.44	15.50	0.00	150.0	± 9.6 %
-4110-1	The Carlotte Management of the Carlotte	Y	2.63	67.76	15.78	-	150.0	
		Z	2.50	67.09	15.19	0.00	150.0	1000
10110- CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	1.83	68.67	15.52	0.00	150.0	± 9.6 %
2075.00	1 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	Y	1.94	69.40	16.07	-	150.0	
		Z	1.74	67.81	14.96	0.00	150.0	+0.00
10111- CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.27	68.67	15.34	0.00	150.0	± 9.6 %
		Y	2.35	69.06	15.70	-	150.0	1
		Z	2.18	68.08	14.88		150.0	

10112- CAF	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	×	2.68	67.57	15.60	0.00	150.0	± 9.6 %
		Y	2.75	67.85	15.85		150.0	
		Z	2.62	67.25	15.31		150.0	
10113- CAF	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	×	2.40	68.84	15.47	0.00	150.0	± 9.6 %
C-59801		Y	2.48	69.17	15.79		150.0	
		Z	2.31	68.27	15.02		150.0	
10114- CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	X	4.78	67.32	16,48	0.00	150.0	± 9.6 %
		Y	4.84	67.44	16.60		150.0	
		Z	4.74	67.21	16.33		150.0	
10115- CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	×	5.03	67.47	16.54	0.00	150.0	± 9.6 %
		Y	5.08	67.57	16.65		150.0	
	A CONTRACTOR OF THE PARTY OF TH	Z	4.98	67,38	16.40	ال المراجع الما	150.0	
10116- CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	Х	4.86	67.52	16,51	0.00	150.0	± 9.6 %
		Y	4.91	67.64	16.62		150.0	
STREAM TO THE	CONTRACTOR OF THE STATE OF THE	Z	4.81	67,41	16.35		150.0	
10117- CAC	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	Х	4.76	67,19	16.44	0.00	150.0	± 9.6 %
		Υ	4.81	67.30	16.55		150.0	
		Z	4.72	67.12	16.30		150.0	
10118- CAC	IEEE 802.11n (HT Mixed, 81 Mbps, 16- QAM)	Х	5.08	67.58	16.61	0.00	150.0	±9.6 %
		Y	5.14	67.72	16.74	-13-1	150.0	
		Z	5.01	67.43	16.43		150.0	
10119- CAC	IEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)	X	4.86	67.54	16.52	0.00	150.0	±9.6 %
2000000		Y	4.92	67.66	16.64		150.0	
		Z	4.82	67.43	16.37		150.0	
10140- CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz. 16-QAM)	X	3.03	67.44	15.76	0.00	150.0	± 9.6 %
		Y	3.10	67.70	15.99		150.0	
		Z	2.98	67.18	15.52		150.0	
10141- CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.16	67.67	15.99	0.00	150.0	± 9.6 %
		Y	3.23	67.88	16.18		150.0	
etions no	Concensional control of the control	Z	3.11	67.44	15.76		150.0	-
10142- CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	Х	1.50	67.65	13.86	0.00	150.0	± 9.6 %
		Y	1.64	68.71	14.65		150.0	
6.0000	Transfer or go arthropical and a comment	Z	1.40	66.66	13.21		150.0	
10143- CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	×	1.79	66.97	12.89	0.00	150.0	±9.6 %
		Y	1.94	67.90	13.60		150.0	
		Z	1.68	66.15	12.29		150.0	
10144- CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	×	1.50	64.00	10.77	0.00	150.0	± 9.6 %
/+/-W		Y	1.60	64.68	11.38		150.0	
		Z	1.43	63.53	10.33		150.0	
10145- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	0.50	60.00	5.08	0.00	150.0	± 9.6 %
	33.7 m. 30.07 30.70	Y	0.53	60.00	5.45		150.0	
		Z	0.49	60.00	4.93		150.0	
10146- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	0.66	60.00	4.66	0.00	150.0	±9.6 %
		Y	0.67	60.00	5.08		150.0	
		Z	0.67	60.00	4.44	100-0-1	150.0	
10147- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	Х	0.67	60.00	4.71	0.00	150.0	± 9.6 %
		Y	0.60	58.92	4.43		150.0	

ES3DV2-SN:3019

10149- CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	Х	2.56	67.52	15.55	0,00	150.0	± 9.6 %
10.10		Y	2.64	67.83	15.83		150.0	
		Z	2.51	67.16	15.25		150.0	000000
10150- CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	Х	2.69	67.64	15.65	0.00	150.0	± 9.6 %
70.00		Y	2.76	67.91	15.90		150.0	
		Z	2.63	67.32	15.36		150.0	
10151- CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	Х	9.73	86.59	24.67	3.98	65.0	± 9.6 %
	120000000000000000000000000000000000000	Y	9.80	86.53	24.79		65.0	
		Z	8.83	85.34	24.25		65.0	
10152- CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	X	6.54	77.11	21.21	3.98	65.0	± 9.6 %
		Y	6.78	77.59	21.55		65.0	
		Z	6.11	76.24	20.80		65.0	
10153- CAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	×	7.17	78.82	22.30	3.98	65.0	± 9.6 %
		Y	7.34	79.00	22.49		65.0	
	Superior of the superior of th	Z	6.72	77.97	21.92		65.0	-
10154- CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	1.87	69.05	15.75	0.00	150.0	± 9.6 %
		Y	1.98	69.74	16.28		150.0	
	THE RESERVE OF THE PROPERTY OF	Z	1.77	68.14	15.17		150.0	
10155- CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	×	2.28	68.74	15.39	0.00	150.0	± 9.6 %
		Y	2.36	69.12	15.74		150.0	
	The same of the sa	Z	2.19	68.15	14.93		150.0	
10156- CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	1.22	66.13	12.34	0.00	150.0	± 9.6 %
	1000000	Y	1.36	67.41	13.29		150.0	
		Z	1.14	65.20	11.69	- 0322	150.0	Chino (
10157- CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	1.22	63.09	9.61	0.00	150.0	± 9.6 %
		Y	1.33	63.90	10.34		150.0	
		Z	1.15	62.61	9.16		150.0	-
10158- CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	2.41	68.95	15.54	0.00	150.0	±9.6 %
-		Y	2.49	69.27	15.85		150.0	
		Z	2.32	68.37	15.09		150.0	
10159- CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	1.25	63.14	9.66	0.00	150.0	± 9.6 %
-		Y	1.36	63.97	10.39		150.0	
		Z	1.18	62.64	9.19		150.0	
10160- CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	х	2.40	68.97	16.11	0.00	150.0	± 9.6 %
		Y	2.50	69.46	16.49		150.0	
Stay as to		Z	2.30	68.28	15.65	10000000	150.0	
10161- CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	2.56	67.57	15,39	0.00	150.0	± 9.6 %
		Y	2.63	67.87	15.67		150.0	
	The second of the second of the second	Z	2.50	67,21	15.07	2000000	150.0	2001.00
10162- CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	2.66	67.86	15.56	0.00	150.0	± 9.6 %
		Y	2.74	68.13	15.82		150.0	
		Z	2.60	67.51	15.24	100	150.0	100000
10166- CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	2.73	67.85	18.46	3.01	150.0	± 9.6 %
772. T. T.		Y	2.78	68.27	19.13	11	150.0	
		Z	2.81	68,48	18.76		150.0	
10167- CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	Х	3.00	69.93	18.59	3.01	150.0	± 9.6 %
		Y	2.96	70.40	19.40		150.0	
		Z	3.25	71.67	19.34	-	150.0	

10168- CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	3.36	72.56	20.25	3.01	150.0	± 9.6 %
	The state of the s	Y	3.26	72.65	20.86		150.0	
		Z	3.76	74.98	21.27		150.0	
10169- CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	2.24	65.89	17.49	3.01	150.0	± 9.6 %
		Y	2.17	65.69	17.95		150.0	
		Z	2.39	67.30	18.17		150.0	
10170- CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	X	2.58	69.82	19.29	3.01	150.0	± 9.6 %
		Y	2.31	68.87	19.55		150.0	
		Z	3.10	73.74	20.99		150.0	
10171- AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	×	2.20	66.63	16.66	3.01	150.0	± 9.6 %
		Y	2.04	66,46	17.32		150.0	
	The second secon	Z	2.49	69.12	17.74		150.0	
10172- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	6.57	90.42	29.01	6.02	65.0	± 9.6 %
		Y	6.70	92.44	30.69		65.0	
1		Z	5.30	87.29	28.20	-	65.0	
10173- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	Х	16.42	104.67	31.45	6.02	65.0	± 9.6 %
		Y	22.05	113.86	35.25		65.0	
		Z	42.83	124.16	36.91		65.0	
10174- CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	×	10.59	95.52	28.04	6.02	65.0	±9.6 %
	2227554000	Y	12.26	101.14	30.88		65.0	
		Z	27.69	114.18	33.55		65.0	
10175- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	X	2.22	65.67	17.27	3.01	150.0	± 9.6 %
177.00		Y	2.15	65.53	17.77		150.0	
		Z	2.36	67.03	17.92		150.0	
10176- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	Х	2.58	69.84	19.30	3.01	150.0	± 9.6 %
		Y	2.31	68.89	19.56		150.0	
. 300 31 531		Z	3.11	73.77	21.00	esconder in a	150.0	The Management
10177- CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	х	2.23	65.75	17.33	3.01	150.0	± 9.6 %
		Y	2.16	65.60	17.82		150.0	
NO VOLUM	The state of the s	Z	2.37	67.12	17.98		150.0	
10178- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	×	2.57	69.75	19.24	3.01	150.0	± 9.6 %
		Y	2.31	68.83	19.52		150.0	
		Z	3.09	73.64	20.92		150.0	
10179- CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	2.36	68.14	17.85	3.01	150.0	± 9.6 %
-112		Y	2.16	67.70	18.38		150.0	
		Z	2.76	71.27	19.21		150.0	
10180- CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	2.20	66.62	16.64	3.01	150.0	± 9.6 %
333		Y	2.04	66.46	17.31		150.0	
		Z	2.49	69.10	17.72		150.0	
10181- CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	2.22	65.74	17.33	3.01	150.0	±9.6 %
		Y	2.16	65.59	17.81		150.0	
		Z	2.37	67.11	17.98	/I	150.0	
10182- CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	×	2.57	69.73	19.23	3.01	150.0	± 9.6 %
		Y	2.30	68.81	19.50		150.0	
		Z	3.09	73.61	20.91		150.0	2.000.000
10183- AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	х	2.20	66,60	16.63	3.01	150.0	± 9.6 %
AAD		Y	2.04	66,44	17.30		150.0	
		V 4 10	2.04	00.44	17.30		130.0	

ES3DV2-SN:3019

10184- CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	Х	2.23	65.77	17.34	3.01	150.0	± 9.6 %
		Y	2.16	65.62	17.83		150.0	
		Z	2.38	67.14	18.00		150.0	7000
10185- CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-	X	2.58	69.79	19.27	3,01	150.0	± 9.6 %
7.77		Y	2.31	68.86	19.54		150.0	
		Z	3.10	73.69	20.95		150.0	
10186- AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	2.20	66.64	16.66	3.01	150.0	± 9.6 %
		Y	2.04	66.4B	17.33		150.0	
		Z	2.50	69.14	17.74		150.0	
10187- CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	2.24	65.85	17.43	3.01	150.0	± 9.6 %
	7	Y	2.17	65.68	17.91		150.0	
		Z	2.39	67.25	18.10		150.0	
10188- CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	2.63	70.23	19.57	3.01	150.0	± 9.6 %
-		Y	2.35	69.19	19.79		150.0	
	0.0	Z	3.20	74.34	21.34		150.0	
10189- AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	×	2.24	66.93	16.89	3.01	150.0	±9.6 %
		Y	2.07	66.73	17.54		150.0	
Assessed		Z	2.55	69.53	18.02		150.0	-
10193- CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	×	4.17	67.12	16.09	0.00	150.0	± 9.6 %
00.10		Y	4.22	67.24	16.23		150.0	
	Contract of the Contract of th	Z	4.13	67.06	15.95	Constant Constant	150.0	
10194- CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	Х	4.28	67.28	16.23	0.00	150.0	± 9.6 %
		Y	4.34	67.40	16.36		150.0	
		Z	4.24	67.20	16.08	- term	150.0	Minimus aug
10195- CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	X	4.31	67.25	16.23	0.00	150.0	± 9.6 %
	200 m c 200 m	Y	4.37	67.38	16.36		150.0	
		Z	4.26	67.17	16.08		150.0	
10196- CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.14	67.06	16.05	0.00	150.0	± 9.6 %
		Y	4.20	67.18	16.19		150.0	1
		Z	4.10	67.00	15.90		150.0	
10197- CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)	Х	4.29	67.27	16.23	0.00	150.0	± 9.6 %
Orto	Car inty	Y	4.35	67.39	16.37		150.0	
		Z	4.25	67.20	16.08		150.0	
10198- CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64- OAM)	X	4.30	67.24	16.22	0.00	150.0	± 9.6 %
uriu	San will	Y	4.35	67.37	16.36		150.0	
1975		Z	4.25	67.16	16.07		150.0	
10219- CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.10	67,13	16.04	0.00	150.0	± 9.6 %
		Y	4.16	67.25	16.18		150.0	
	A CONTRACTOR OF THE CONTRACTOR	Z	4.06	67.07	15.89		150.0	
10220- CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	X	4.28	67.23	16.22	0.00	150.0	± 9.6 %
		Y	4.34	67.35	16.35		150.0	
		Z	4.24	67.16	16.07	1000	150.0	L. Santa
10221- CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)	X	4.32	67.21	16.22	0.00	150.0	± 9.6 %
UNU	September 1	Y	4.38	67.33	16.35		150.0	
		Z	4.27	67.14	16.07		150.0	
10222- CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	X	4.74	67.21	16.43	0.00	150.0	± 9.6 %
	ur dry	Y	4.79	67.33	16.55		150.0	
0,10	The state of the s	1 Y						

10223- CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16- QAM)	X	4.94	67.26	16.45	0.00	150.0	± 9.6 %
		Y	5.00	67.37	16.57		150.0	
	CONTRACTOR OF THE PARTY OF THE	Z	4.90	67.18	16.32		150.0	
10224- CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64- QAM)	X	4.78	67.35	16.43	0.00	150.0	± 9.6 %
	AP	Y	4.83	67.47	16.55		150.0	
	COMPONENT CONTROL -	Z	4.74	67.26	16.29		150.0	
10225- CAB	UMTS-FDD (HSPA+)	X	2.38	66.08	14.04	0.00	150.0	± 9.6 %
		Y	2.46	66.40	14,36		150.0	
		Z	2.33	65.77	13.68		150.0	
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	×	18.80	107.39	32.33	6.02	65.0	± 9.6 %
-116316-		Y	25.18	116.67	36.12		65.0	
40007	177 700 100 100	2	56.86	129.79	38.42		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	Х	17.62	104,50	30.74	6.02	65.0	± 9.6 %
		Y	24.98	114,46	34.69		65.0	
		Z	53.65	126.02	36,59		65.0	-54-54
10228- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	×	8.84	96.76	31.22	6.02	65.0	± 9.6 %
		Y	10.52	102.26	33.97	-	65.0	
		Z	8.68	97.67	31.80	Sec.	65.0	
10229- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	16.55	104.80	31.49	6.02	65.0	± 9.6 %
		Y	22.16	113.92	35.27		65.0	
*0000	175 700 000 000 000 000 000	Z	43.51	124.44	36.98		65.0	
10230- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	Х	15.38	101.96	29.94	6.02	65.0	± 9.6 %
		Y	21.58	111,59	33.84		65.0	
		Z	40.32	120.70	35.19		65.0	
10231- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	Х	8.23	95.17	30.61	6.02	65.0	±9.6 %
2.5(1,4-1)		Y	9.84	100.68	33.39		65.0	
		Z	8.03	95.88	31.12		65.0	
10232- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	×	16.51	104.77	31,48	6.02	65.0	±9.6 %
	45,7002	Y	22.12	113.91	35.27		65.0	
		Z	43.30	124.37	36.97		65.0	
10233- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	15.29	101.88	29.92	6.02	65.0	± 9.6 %
		Y	21.43	111.49	33.81		65.0	
1000		Z	39.84	120.51	35.15	30.00	65.0	1 march
10234- CAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	×	7.86	94.06	30.11	6.02	65.0	± 9.6 %
		Y	9,46	99.67	32.94		65.0	
		Z	7.64	94.69	30.59	THE PARTY OF	65.0	Territori,
10235- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	16.57	104.86	31.51	6.02	65.0	± 9.6 %
		Y	22.25	114.05	35.31		65.0	
	1	Z	43.57	124.50	37.01		65.0	
10236- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	15.56	102.14	29.98	6.02	65.0	± 9.6 %
D-1-1	1/257_101/27///	Y	22.01	111.92	33.92	1	65.0	
		Z	41.07	120.98	35.26		65.0	
10237- CAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	×	8.24	95.23	30.63	6.02	65.0	± 9.6 %
32.500	y 100 100 20	Y	9.87	100.80	33.43		65.0	-
		Z	8.02	95.91	31.14		65.0	
10238- CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	16.49	104.76	31.48	6.02	65.0	± 9.6 %
		Y	22.11	113.92	35.28		65.0	
		Z	43.22	124.35	36.97		65.0	

ES3DV2- SN:3019

CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	Х	15.23	101.82	29.90	6.02	65.0	±9.6 %
	D-1 - GO WHY	Y	21.33	111.42	33.80		65.0 65.0	
		Z	39.55	120.41	35.13	0.00		. 0.0.07
10240- CAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	X	8.24	95.24	30.63	6.02	65.0	± 9.6 %
****		Y	9.87	100.81	33.44		65.0	
		Z	8.02	95.92	31.14		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	8.99	87.82	28.29	6.98	65.0	± 9.6 %
		Y	9.75	90.67	30.00		65.0	
		Z	9.34	89.67	29.13		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	Х	7.89	85.15	27.21	6.98	65.0	± 9.6 %
		Y	8.15	86.79	28.48		65.0	-
		Z	8.92	88.81	28.75	_	65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	6.23	80.61	26.36	6.98	65.0	± 9.6 %
unn	Gr Oit)	Y	6.55	82.23	27.61		65.0	
		Z	5.44	78.21	25.48		65.0	
40044	LTE-TDD (SC-FDMA, 50% RB, 3 MHz.	X	3.42	67.77	12.33	3.98	65.0	± 9.6 %
10244- CAC	16-QAM)	720	(27,022)	194-0400	1,5105	3.80	65.0	1 0.0 70
		Y	4.29	71.02	14.35			
MIN THEY		Z	3.28	67.61	12.06		65.0	1000
10245- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	Х	3.32	67.21	12.00	3.98	65.0	± 9.6 %
		Y	4.07	70.09	13.87		65.0	
	The second of th	Z	3.17	66.99	11.70	10000	65.0	
10246- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	4.43	73.96	15.64	3.98	65.0	± 9.6 %
		Y	5.08	75.78	16.72		65.0	
		2	3.85	72.56	14.95		65.0	
10247- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	4.59	72.28	15.77	3.98	65.0	± 9.6 %
OnL	TO-GENTIN	Y	4.91	73.13	16.39		65.0	
		Z	4.19	71.34	15.21		65.0	
10248- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	4.34	71.14	15.26	3.98	65.0	± 9.6 %
CAL	04-42-00)	Y	4.65	72.00	15.89		65.0	
		Z	3.96	70.19	14.69		65.0	
10249- CAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	10.92	88.36	22.53	3.98	65.0	± 9.6 %
UME	Ur SK)	Y	10.64	88.09	22.75		65.0	
		Z	9.25	86.32	21.79		65.0	
10250- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	7.53	81.41	22.33	3.98	65.0	± 9.6 %
ONE	To sering	Y	7.46	80.99	22.30		65.0	
		Z	6.98	80.48	21.90		65.0	
10251- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	6.21	76,79	20.02	3.98	65.0	± 9.6 %
CARE	.ore;cartinj	Y	6.42	77.16	20.35		65.0	
		Z	5.76	75.88	19.56		65.0	
10050	A PER TROUGO COMA CON DR. 40 LUI		13.32	93.66	26.46	3.98	65.0	± 9.6 %
10252- CAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X			15,510,51	3,96	4000	± 9.0 %
		Y	12.73	92.76	26.36		65.0	
		Z	11.46	91.61	25.80		65.0	1 000
10253- CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	6.41	76.60	20.78	3.98	65.0	± 9.6 %
		Y	6.65	77.06	21,12		65.0	
		Z	6.00	75.76	20.37		65.0	
10254-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	6.93	77.96	21.66	3.98	65.0	±9.6 %
CAE				4			_	
CAE	04-QAIII)	Y	7.09	78.16	21.87		65.0	

10255- CAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	X	9,17	85.70	24.40	3.98	65.0	± 9.6 %
THE CO.		Y	9.28	85.72	24.56		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	8.31 2.33	84.42 63.37	23.94 8.84	3.98	65.0 65.0	± 9.6 %
-	70.32. 10.32.111)	Y	2.70	65.07	10.21		65.0	
		Z	2.17	63.01	8.43		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	2.30	63.01	8.53	3.98	65.0	±9.6 %
		Y	2.62	64.47	9.78		65.0	
10258-	175 705 100 100	Z	2.14	62.65	8.12	CONTRACT.	65.0	1-1-11
CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	2.37	65.48	10.54	3.98	65.0	± 9.6 %
		Υ	2.73	66.98	11.62		65.0	
10259-	LEFE TOP OR EDITION OF CASE	Z	2.13	64.74	10.00		65.0	
CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	×	5.73	75.91	18.25	3.98	65.0	± 9.6 %
		Y	5.92	76.29	18.63		65.0	
10260-	LTE TOD (SC EDUA 1008) DO CAMIL	Z	5.25	74.96	17.74		65.0	
CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	X	5.61	75.26	17.97	3.98	65.0	±9.6%
		Y	5.82	75.68	18.36		65.0	
10261-	LTE-TDD (SC-FDMA, 100% RB, 3 MHz.	Z	5.16	74.34	17.46	0.77	65.0	
CAC	QPSK)	X	11.22	89.48	23.72	3.98	65.0	± 9.6 %
		Z	10.83	88.93	23.80		65.0	
10262- CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	9.64 7.47	87.55 81.24	23.03 22.23	3.98	65.0 65.0	± 9.6 %
CONTRACTOR OF THE PARTY OF THE		Υ	7.42	80.85	22.22		65.0	
		Z	6.92	80.30	21.81		65.0	
10263- CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	6.20	76.77	20.02	3.98	65.0	± 9.6 %
		Y	6.41	77.14	20.34		65.0	
	And the second s	Z	5.75	75.86	19.56	Samuel Control	65.0	
10264- CAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	×	12.97	93.14	26.27	3.98	65.0	±9.6 %
		Y	12.47	92.36	26.20		65.0	
	harasanan arestrumovimosa	Z	11.18	91,12	25.61	-	65.0	
10265- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	Х	6.54	77.12	21.22	3.98	65.0	± 9.6 %
		Y	6.78	77.60	21.56	1	65.0	
10-015		Z	6.11	76.24	20.81		65.0	
10266- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Х	7.17	78.80	22.29	3.98	65.0	±9.6 %
TANKET	The state of the s	Y	7.33	78.99	22.48	-	65.0	
10057	1 TO TOO 100 POLY	Z	6.72	77.95	21.91		65.0	
10267- CAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	×	9.68	86.48	24.63	3.98	65.0	± 9.6 %
		Y	9.76	86.44	24.75		65.0	
40000	1 TE TOO 100 FOLLY 1000 OF 15	Z	8.79	85.24	24.21		65.0	
10268- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	7.07	76.76	21.77	3.98	65.0	± 9.6 %
		Y	7.29	77.15	22.04		65.0	
10000		Z	6.70	76.06	21.43	Secure 1	65.0	7176 533571
10269- CAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	×	7.03	76.29	21.59	3.98	65.0	± 9.6 %
		Y	7.24	76.69	21.87		65.0	
10270-	LTE-TDD (SC-FDMA, 100% RB, 15	Z	6.68	75.64	21.27	2.00	65.0	+0.00
CAE	MHz, QPSK)	0.0000	8.04	80.94	22.90	3.98	65.0	± 9.6 %
		Y	8.18	81.04	23.04	11	65.0	
		Z	7.56	80.22	22.63		65.0	

ES3DV2- SN:3019

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	X	2.26	66.83	14.19	0.00	150.0	± 9.6 %
OTTO	1100110	Υ	2.35	67.29	14.60		150.0	
		Z	2.19	66.41	13.80		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	×	1.38	68.12	14.71	0.00	150.0	± 9.6 %
		Y	1.51	69.22	15.51		150.0	
		Z	1.30	67.09	14.07		150.0	
10277- CAA	PHS (QPSK)	Х	2.05	61.14	6.20	9.03	50.0	± 9.6 %
C - W 1 - 1		Y	2.35	62.20	7.24		50.0	
		Z	1.85	60.65	5.69		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	Х	3.29	66.09	10.86	9.03	50.0	± 9.6 %
		Y	3.79	67.79	12.18		50.0	
	V	Z	3.05	65.55	10.36		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	×	3.33	66.19	10.97	9.03	50.0	± 9.6 %
		Υ	3.82	67.86	12.26		50.0	-
777-217	The second secon	Z	3.09	65.64	10.46		50.0	
10290- AAB	CDMA2000, RC1, SO55, Full Rate	X	0.45	60.00	5.81	0.00	150.0	± 9.6 %
		Y	0.54	61.10	6.94		150.0	
- Information	in present the attention to the attention of	Z	0.44	60.00	5.71		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	X	0.32	60.00	5.40	0.00	150.0	±9.6 %
		Y	0.36	60.31	6.19		150.0	
		Z	0.32	60.00	5.37	- december	150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	0.31	60.00	5.66	0.00	150.0	± 9.6 %
		Υ	0.42	62.09	7.53		150.0	
		Z	0.31	60.00	5.64	0.00	150.0	- 0-0-0-0
10293- AAB	CDMA2000, RC3, SO3, Full Rate	Х	0.40	61.64	7.04	0.00	150.0	± 9.6 %
		Y	0.72	66.90	10.33		150.0	
		Z	0.39	61.43	6.90		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	Х	100.00	115.65	29.78	9.03	50.0	± 9.6 %
	(0)	Y	100.00	117.45	30.86		50.0	
		Z	100.00	115.39	29.51		50.0	
10297- AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	X	2.36	69,57	16,44	0.00	150.0	± 9.6 %
		Y	2.47	70.10	16.83		150.0	
		Z	2.27	68.85	15,99		150.0	
10298- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	0.67	61.00	7.40	0.00	150.0	± 9.6 %
		Y	0.76	61.94	8.33		150.0	
very supre-	A CONTRACTOR OF THE PARTY OF TH	Z	0.64	60.66	7.04	125 nove to	150.0	
10299- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	×	0.84	60,11	6.12	0.00	150.0	± 9.6 %
		Y	0.94	61.36	7.42		150.0	
1000000		Z	0.84	60.07	5.83		150.0	
10300- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	0.73	59.08	4.84	0.00	150.0	± 9.6 %
	1 - 200	Y	0.79	59.77	5.75		150.0	
		Z	0.72	58.92	4.50	7-10-1	150.0	1-100-05
10301- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	X	4.80	68.05	17.95	4.17	0.08	± 9.6 %
77.55127		Y	5.02	68.71	18.39		80.0	
		Z	4.55	67.08	17.32		80.0	
10302- AAA	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	X	5.05	67.52	18.12	4.96	0.08	± 9.6 %
		Y	5.33	68.60	18.81		0.08	
		2	4.89	67.04	17.75		0.08	

10303- AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	×	4.87	67.42	17.96	4.96	0.08	± 9.6 %
X-1-X-1		Y	5.17	68.58	18.70		80.0	
		Z	4.71	66.92	17.58		80.0	
10304- AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	×	4.66	67.21	17.45	4.17	80.0	± 9.6 %
CATTONIC.		Y	4.92	68.23	18.08		80.0	
		Z	4.51	66.75	17.09	Constant I	80.0	
10305- AAA	IEEE 802.16e WiMAX (31:15, 10ms, 10MHz, 64QAM, PUSC, 15 symbols)	X	5.30	72.82	20.07	6.02	50.0	± 9.6 %
		Y	6.32	76.30	21.85		50.0	
-	The state of the s	Z	4.76	70.90	19.01	19290.95	50.0	10.00
10306- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	Х	5.08	70.37	19.67	6.02	50.0	± 9.6 %
		Y	5.60	72.42	20.88		50.0	
40000		Z	4.78	69.24	18.95		50.0	
10307- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	X	5.03	70.60	19.63	6.02	50.0	± 9.6 %
		Y	5.59	72.82	20.90		50.0	
40000	IEEE OOD 10 HUNIO	Z	4.70	69.37	18.87		50.0	
10308- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz. 16QAM, PUSC)	×	5.07	71.06	19.88	6.02	50.0	± 9.6 %
- 11.00	W. D. B. J. W. W. C. L. Marketter S. D.	Y	5.69	73.45	21.23	-	50.0	
40000	IEEE OOD AD MININGS	Z	4.72	69.74	19.09		50.0	
10309- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	Х	5.08	70.41	19.77	6.02	50.0	±9.6%
		Y	5.60	72.49	20.99		50.0	
10310-	IEEE 000 40- INCHAN (00 40 40	Z	4.78	69.29	19.05	2.44	50.0	
AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	Х	5.08	70.63	19.76	6.02	50.0	±9.6 %
		Υ	5.64	72.78	21.01		50.0	
		Z	4.77	69.45	19.03		50.0	
10311- AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	×	2.71	68.65	16.12	0.00	150.0	± 9.6 %
		Y	2.82	69.11	16.45		150.0	
	TOTAL CONTRACTOR OF THE PARTY O	Z	2.61	68.03	15.74		150.0	
10313- AAA	IDEN 1:3	Х	10.35	86.29	20.64	6.99	70.0	± 9.6 %
		Y	11.44	88.28	21.75		70.0	
		Z	11.02	88.24	21.45	10000	70.0	1 200
10314- AAA	IDEN 1:6	Х	62.09	120.10	33.12	10.00	30.0	±9.6%
		Y	24.40	106.12	30.15		30.0	
		Z	80.12	126.18	34.93		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	×	1.03	64.62	15.28	0.17	150.0	±9.6 %
	ALICENSIA ESSENTANCE AND COMPANY	Y	1.09	65.04	15.69		150.0	
10010	IEEE OOD 44 - MIEI O 4 OU - IEEE	Z	1.02	64.04	14.75		150.0	
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	X	4.22	67.15	16.29	0.17	150.0	± 9.6 %
		Y	4.28	67.28	16.43		150.0	
10017	International Control of the Control	Z	4.18	67.07	16.13		150.0	
10317- AAC	IEEE 802.11a WIFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	×	4.22	67.15	16.29	0.17	150.0	± 9.6 %
		Y	4.28	67.28	16.43		150.0	
10400-	IEEE 802.11ac WiFi (20MHz, 64-QAM,	X	4.18 4.21	67.07 67.17	16.13 16.16	0.00	150.0 150.0	± 9.6 %
AAD	99pc duty cycle)	N/	4 27	67.00	40.04		150.0	
		Y	4.27	67.33 67.06	16.31 15.98		150.0	
10401-	IEEE 802.11ac WiFi (40MHz, 64-QAM,	X	4.16	67.22	16.39	0.00	150.0	± 9.6 %
AAD	99pc duty cycle)	-930	0.000000	9555562	100000	0.00	18707	2 0.0 %
	1500	Y	5.03	67.29	16.49		150.0	
		Z	5.00	67.34	16.35		150.0	

10402- AAD	IEEE 802.11ac WiFi (80MHz, 64-QAM, 99pc duty cycle)	Х	5.31	67.53	16.47	0.00	150.0	± 9.6 %
THE STATE OF THE S	oope only syste)	Y	5.36	67.64	16.59		150.0	
		Z	5.27	67.47	16.35		150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	0.45	60.00	5.81	0.00	115.0	± 9.6 %
00.000	1 2/4	Y	0.54	61.10	6.94		115.0	
		Z	0.44	60.00	5.71		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	×	0.45	60.00	5.81	0.00	115.0	± 9.6 %
		Y	0.54	61.10	6.94		115.0	
		Z	0.44	60.00	5.71		115.0	
10406- AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	115.64	25.77	0.00	100.0	±9.6 %
		Y	100.00	128.79	31.14		100.0	
		Z	100.00	106.07	21.60		100.0	
10410- AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	Х	100.00	125.78	31.11	3.23	80.0	± 9.6 %
		Y	100.00	134.61	35.21		80.0	
	Conversion control of the control of	Z	100.00	126.61	31,37	88182	80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	X	0.93	63.35	14,45	0.00	150.0	± 9.6 %
		Y	0.98	63.79	14.89		150.0	
	1/1	Z	0.93	62.96	14.01		150.0	111
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	X	4.15	67.03	16.15	0.00	150.0	± 9.6 %
100000		Y	4.21	67.15	16.28		150.0	V
		Z	4.11	66.96	15.99		150.0	
10417- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	X	4.15	67.03	16.15	0.00	150.0	±9.6 %
		Y	4.21	67.15	16.28		150.0	
		Z	4.11	66.96	15.99		150.0	
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.14	67.26	16.23	0.00	150.0	± 9.6 %
		Y	4.20	67.39	16.37		150.0	
0.60000	A VALUE OF THE STATE OF THE STA	Z	4.10	67.18	16.07	SALVA CO	150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	Х	4.16	67.18	16.21	0.00	150.0	± 9.6 %
		Y	4.22	67.31	16.34		150.0	
		Z	4.12	67.11	16.05		150.0	
10422- AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.26	67.14	16.22	0.00	150.0	± 9.6 %
-		Y	4.32	67.27	16,35		150.0	-
		Z	4.22	67.07	16.07		150.0	
10423- AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	Х	4.36	67.37	16.29	0.00	150.0	± 9.6 %
		Y	4.42	67.49	16.43		150.0	
		Z	4.31	67.29	16.14		150.0	
10424- AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.29	67.30	16.26	0.00	150.0	± 9.6 %
		Y	4.35	67.43	16.40		150.0	
w.Lower	A STATE OF THE STA	Z	4.25	67.21	16.11		150.0	
10425- AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	4.96	67.44	16.53	0.00	150.0	± 9.6 %
		Y	5.01	67,55	16.65		150.0	
	A THEOREM SECTION AND ADDRESS OF THE PARTY AND	Z	4.91	67.33	16.37	i mana	150.0	200000
10426- AAB	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	Х	5.01	67,66	16.64	0.00	150.0	± 9.6 %
		Y	5.07	67.78	16.75	1	150.0	
		Z	4.96	67.54	16.48		150.0	

ES3DV2-SN:3019

10427- AAB	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	×	4.95	67.36	16.48	0.00	150.0	± 9.6 %
William -	V	Y	5.01	67.47	16.60		150.0	
		Z	4.91	67.28	16.35		150.0	
10430- AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	Х	4.06	73.07	17.88	0.00	150.0	± 9.6 %
10000		Y.	3.94	72.28	17.62		150.0	
		Z	3.97	72.74	17.53		150.0	
10431- AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	3.70	67.58	15.79	0.00	150.0	± 9.6 %
		Y	3.77	67.74	15.97		150.0	
	The state of the s	Z	3.64	67.41	15.56		150.0	- marin
10432- AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.05	67,44	16.13	0.00	150.0	± 9.6 %
		Y	4.11	67.58	16.28		150.0	
		Z	4.00	67.33	15.96		150.0	
10433- AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	X	4.31	67.34	16.29	0.00	150.0	± 9.6 %
		Y	4.37	67.47	16.42		150.0	
Thursday -	La consectato Terrorista de Caracteria de la Francia de la	Z	4.27	67.26	16.14		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	Х	3.89	72.67	16.88	0.00	150.0	± 9.6 %
		Y	3.81	72.16	16.78		150.0	
		Z	3.70	71.97	16.35		150.0	
10435- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	125.45	30.96	3.23	80.0	± 9.6 %
	The second of th	Y	100.00	134.26	35.05		80.0	
10447-	LTE EDD (DEDMA S MU- E THIS)	Z	100.00	126.27	31.22	0.00	80.0	
AAC	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	Х	2.79	66.54	13.72	0.00	150.0	± 9.6 %
		Y	2.89	66.90	14.06		150.0	
		Z	2.70	66.17	13.34		150.0	
10448- AAC	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	х	3.58	67.39	15.68	0.00	150.0	± 9.6 %
		Y	3.65	67.57	15.87		150.0	
-		Z	3.53	67.23	15.46		150.0	1000.000
10449- AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	×	3.91	67.27	16.04	0.00	150.0	± 9.6 %
		Y	3.97	67.41	16.19		150.0	
	Commence to the second	Z	3.86	67.16	15.86	Contractor of	150.0	
10450- AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	Х	4.14	67.12	16.15	0.00	150.0	± 9.6 %
		Y	4.20	67.25	16.28		150.0	
(ICSZURE E	ANADAMA A SUR A SU	Z	4.10	67.04	15,99		150.0	-
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	Х	2.45	65.46	12.35	0.00	150.0	±9.6 %
	Very lies (A)	Y	2.56	65.93	12.76		150.0	
		2	2.35	65.03	11.91		150.0	
10456- AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	×	6.45	69.52	17.52	0.00	150.0	± 9.6 %
MacVVIII	100 mm (100 mm (100 mm))	Y	6.40	69.35	17.50	-	150.0	
		Z	6.49	69.67	17.50		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	Х	3.58	65,94	15.92	0.00	150.0	± 9.6 %
		Y	3.63	66.05	16.05	<u></u>	150.0	
10187		Z	3.57	65.91	15.77	14.77	150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	Х	2.65	67.20	13.29	0.00	150.0	± 9.6 %
		Y	2.77	67.71	13.74		150.0	
		Z	2.45	66,19	12.51		150.0	- 11.0
10459- AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	X	4.33	68,48	16.53	0.00	150.0	± 9.6 %
		Y	4.22	67.81	16.25		150.0	
		Z	4.21	68.13	16.10		150.0	

10460-	UMTS-FDD (WCDMA, AMR)	Х	0.82	69.31	15.66	0.00	150.0	± 9.6 %
AAA		Y	0.95	71.24	16.99		150.0	
		Z	0.74	67.22	14.49		150.0	
10461- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	131.81	33.89	3.29	80.0	± 9.6 %
	ar ore, or administration	Y	100.00	142.15	38.65		80.0	
		Z	100.00	134.92	35.12		80.0	
10462-	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	0.90	62.21	8.81	3.23	80.0	± 9.6 %
		Y	100.00	110.30	23.82		0.08	
		Z	0.87	62.36	8.52		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	0.71	60.00	7.04	3.23	80.0	± 9.6 %
		Y	1.91	69.61	11,91		80.0	
or Constant		Z	0.66	60.00	6.66		80.0	
10464- AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	127.95	31,95	3.23	80.0	± 9.6 %
		Y	100.00	139.33	37.13		80.0	
SCOUNT NO		Z	100.00	131.02	33.15	to the same	80.0	-
10465- AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.82	61.38	8.35	3.23	80.0	± 9.6 %
		Y	100.00	109.29	23.38		0.08	
		Z	0.77	61.39	8.02	72000	80.0	
10466- AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	×	0.71	60.00	7.00	3.23	80.0	± 9.6 %
		Y	1.22	65.67	10.37		80.0	
		Z	0.67	60.00	6.62	115.0	80.0	
10467- AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	128.47	32.18	3.23	80.0	± 9.6 %
Per 18 (17)		Y	100.00	139.85	37.36		80.0	
		Z	100.00	131.59	33.40		80.0	
10468- AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.85	61.72	8.54	3.23	80.0	±9.6 %
		Y	100.00	109.79	23.59		80.0	
		Z	0.81	61.80	8.24		80.0	
10469- AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8.9)	X	0.71	60.00	7.00	3.23	80.0	± 9.6 %
		Y	1,26	65.97	10.50		80.0	
		Z	0.66	60.00	6.63		80.0	
10470- AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	X	100.00	128,50	32.19	3.23	80.0	± 9.6 %
		Υ	100.00	139.93	37,39		80.0	
Secretary and		Z	100.00	131.64	33,41	· · · · · · · · · · · · · · · · · · ·	80.0	
10471- AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	0.84	61.66	8.50	3.23	80.0	± 9.6 %
		Y	100.00	109.69	23.54		80.0	
-,4-1,1-,-		Z	0.80	61.73	8.19	-	0.08	1000
10472- AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2.3,4,7,8,9)	X	0.71	60.00	6.99	3.23	0.08	±9.6 %
		Y	1.24	65.80	10.41		80.0	
		Z	0.66	60.00	6.61	0.00	80.0	1000
10473- AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	128.47	32.17	3.23	80.0	± 9.6 %
Selle	The state of the s	Y	100.00	139.91	37.37		80.0	
10474-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-	X	100.00	131.60 61.63	33.40 8.49	3.23	80.0	± 9.6 %
AAD	QAM, UL Subframe=2,3,4,7,8,9)						00.0	
2002	A CONTRACTOR OF THE PROPERTY O	Y	100.00	109.69	23.54		80.0	
		2	0.80	61.70	8.18	0.00	0.08	1.5.5.5
10475- AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	0.71	60.00	6.99	3.23	80.0	± 9.6 %
		Y	1.23	65.75	10.39		80.0	
		Z	0.66	60.00	6.61		80.0	

10477- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	×	0.82	61.39	8.34	3.23	80.0	± 9.6 %
- MCS		Υ	100.00	109.29	23.36		80.0	
10.100		Z	0.77	61.40	8.01	and the same of th	80.0	
10478- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	0.71	60.00	6.98	3.23	80.0	± 9.6 %
A SWAN		Y	1.20	65.55	10.30		80.0	
		Z	0.66	60.00	6.60		80.0	
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	100.00	125.63	32.26	3.23	80.0	± 9.6 %
		Y	100.00	131.75	35.27		80.0	-
		Z	100.00	127.84	33.13		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	19.63	91.54	20.27	3.23	80.0	± 9.6 %
		Y	100.00	115.20	27.34		80.0	
		Z	100.00	108.55	24.07		80.0	
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.49	72.42	13.95	3.23	80.0	± 9.6 %
,,,,	04 (0 mi, 02 000mm=2,0,4,7,0,0)	Y	100.00	111.30	25.48		00.0	
		2					80.0	
10482-	LTE-TDD (SC-FDMA, 50% RB, 3 MHz.	X	5.91	77,84	15.53	0.00	80.0	
AAB	QPSK, UL Subframe=2,3,4,7,8,9)		1.67	65.33	11.27	2.23	80.0	± 9.6 %
	A	Y	2.30	68.66	13.07		80.0	
		Z	1.38	63.63	10.34		80.0	
10483- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	1.25	60.06	7.80	2.23	80.0	±9.6 %
	a contract the second s	Υ	1.97	64.67	10.70	-	80.0	LT .
		Z	1.19	60.00	7.59		0.08	
10484- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.27	60.00	7.74	2.23	80.0	± 9.6 %
111111111111111111111111111111111111111		Y	1.80	63.53	10.14		80.0	
		Z	1.22	60.00	7.56		80.0	
10485- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.81	81.43	19.42	2.23	80.0	± 9.6 %
-	ar or oc odoridine E.o. 4,7,0,0)	Y	6.11	82.25	20.03		80.0	
		Z	4.06	77.04	17.81		80.0	
10486- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	2.34	66.39	12.56	2.23	80.0	± 9.6 %
7010	10 drain, 62 ddbirding-2,0,4,1,0,0)	Y	2.71	68.04	13.57		80.0	_
		Z	2.02	64.93	11.73			
10487- AAD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	2.25	65.64	12.18	2.23	80.0 80.0	± 9.6 %
	2 1 di ini de donano 2,0,1,1,0,0)	Y	2.60	67.18	13.15		80.0	
		Z	1.96	64.31	11.39		80.0	
10488- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.09	80.09	21.16	2.23	80.0	±9.6 %
		Y	5.16	80.10	21.33		80.0	
		Z	4.19	77.34	20.09		80.0	
10489- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.01	73.05	18.07	2.23	80.0	± 9.6 %
- A. W		Y	4.07	73.07	18.23		80.0	
		Z	3.64	71.81	17.45		80.0	
10490- AAD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	3.98	72.48	17.82	2.23	80.0	± 9.6 %
	o, crim, or decirelle-2,d,4,7,0,0)	Y	4.06	72.53	17.99		0.08	
		Z	3.63	71.32	17.22	-	80.0	
10491- AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.41	75.53	19.94	2.23	80.0	± 9.6 %
MU	Gr. ON, OE SUDHBING-2,3,4,7,0,8)	W	4.50	76.70	20.44		00.0	
		Y	4.53	75.73	20.14		80.0	
40.400	LTC TOD ING COLIC COLUMN	Z	3.93	73.90	19.24	0.00	80.0	1000
10492- AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.05	71.20	18.08	2.23	0.08	± 9.6 %
		Y	4.14	71.29	18.22		80.0	
		Z	3.79	70.37	17.63		80.0	

10493- AAD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.07	70.90	17.94	2.23	80.0	± 9.6 %
	GY di III, GE GUUNGING ELOCHIO	Y	4.15	71.00	18.07		80.0	
		Z	3.82	70.11	17.49		80.0	
10494- AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	4.91	77.32	20.61	2.23	0.08	± 9.6 %
7.00		Y	5.04	77.50	20.80		0.08	
		Z	4.30	75.42	19.85		80.0	
10495- AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.09	71.47	18.41	2.23	80.0	± 9.6 %
******		Y	4.17	71.55	18.53	-	80.0	
		Z	3.83	70.60	17.95		80.0	
10496- AAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	4.13	71.08	18.26	2.23	80.0	± 9.6 %
		Y	4.21	71.17	18.38		80.0	
		Z	3.88	70.29	17.84		80.0	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	Х	0.96	60.00	6.99	2.23	80.0	± 9.6 %
		Y	0.98	60.00	7.40		80.0	
(50.1) (60.		Z	0.92	60.00	6.79	0.00	80.0	1000
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	х	1.14	60.00	5.73	2.23	80.0	± 9.6 %
		Y	1.15	60.00	6.09		80.0	
		2	1.11	60.00	5.47		80.0	-
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	1.17	60.00	5.57	2.23	0.08	± 9.6 %
	Control and the following	Y	1.18	60.00	5.92		80.0	
		Z	1.15	60.00	5.29		80.0	
10500- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.67	81.49	20.32	2.23	80.0	± 9.6 %
		Y	5.74	81.66	20.65		80.0	
-0.00mm	A TOTAL CONTRACTOR OF THE STATE	Z	4.28	77.81	18.94		80.0	Luciania
10501- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.25	70.19	15.15	2.23	80.0	± 9.6 %
		Y	3.52	71.13	15.78		80.0	
par por	Control to the contro	Z	2.82	68.60	14.33	7.72	80.0	1 100000
10502- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	3,16	69.49	14.76	2.23	0.08	±9.6 %
		Y	3.44	70.48	15.41		80.0	
		Z	2.76	67.99	13.96		80.0	- 09
10503- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	4.96	79.69	20.99	2.23	80.0	± 9.6 %
7.50		Y	5.06	79.77	21.19		80.0	
	100000000000000000000000000000000000000	Z	4.10	76.98	19.93		0.08	
10504- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.96	72.85	17.97	2.23	0.08	± 9.6 %
O POPO	A CONTRACTOR OF THE PROPERTY OF THE PARTY OF	Y	4.04	72.91	18.14		0.08	
7227		Z	3.60	71.62	17.35		80.0	
10505- AAD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	3.94	72.31	17.73	2.23	80.0	±9.6 %
		Y	4.03	72.40	17.91		80.0	
40505	1. TE TOO (00 FD111 400) DT 15	Z	3.60	71.15	17.13	0.07	80.0	1000
10506- AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.85	77.09	20.51	2.23	80.0	± 9.6 %
		Y	4.98	77.30	20.71		80.0	
10507	LTE TOO (SO EDUA 4000 OD 40	Z	4.25	75.22	19.75	0.00	80.0	1000
10507- AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	4.07	71.38	18.36	2.23	80.0	± 9.6 %
		Y	4.16	71.48	18.49		80.0	

ES3DV2-SN:3019

1050B- AAD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.11	70.98	18.20	2.23	80.0	± 9.6 %
		Y	4.19	71.08	18.33		80.0	
		Z	3.86	70.19	17.78		80.0	
10509- AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.80	74,18	19.50	2.23	80.0	± 9.6 %
		Y	4.92	74.37	19.67		80.0	
		Z	4.40	73.00	18.99	Santa Control	80.0	1
10510- AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL, Subframe=2,3,4,7,8,9)	X	4.38	70,21	18.17	2.23	80.0	± 9.6 %
		Y	4.48	70.36	18.31		80.0	
V1-1-1-1	A production of the control of the c	Z	4.17	69.55	17.82		80.0	
10511- AAD	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	х	4,44	69.97	18.09	2.23	80.0	± 9.6 %
	11-3419(00-00-00-00-00-00-00-00-00-00-00-00-00-	Y	4.54	70.12	18.23		80.0	
		Z	4.23	69.36	17.75	Surray	80.0	The second
10512- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	5.12	75.85	20.03	2.23	80.0	± 9.6 %
		Y	5.25	76.05	20.20		80.0	
40040		Z	4.61	74,40	19.43	10 20 000	80.0	1-100-21-1
10513- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.29	70.38	18.28	2.23	80.0	± 9.6 %
		Y	4.39	70.55	18.43		80.0	
No Village	1.11/1	Z	4.07	69.67	17.91		80.0	
10514- AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHž, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.31	69.92	18.12	2.23	0.08	± 9,6 %
	25 Ac 21 20 - 1	Y	4.40	70.08	18.26		80.0	
		Z	4.10	69.28	17.77		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	X	0.89	63,54	14.50	0.00	150.0	± 9.6 %
		Y	0.94	64.02	14.97		150.0	
10516-	IEEE OOD AND MIEE O A COLO MEDICO CO.	Z	0.89	63,10	14.03	-	150.0	
AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	0.63	73.54	17.73	0.00	150.0	± 9.6 %
		Y	0.85	77.87	20.24		150.0	
10517-	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11	Z	0.50	68.63	15.41	0.00	150.0	
AAA	Mbps, 99pc duty cycle)	X	0.73	65.48	15.07	0.00	150.0	±9.6 %
		Y	0.80	66.38 64.47	15.85		150.0	
10518- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.14	67.16	14.31 16.15	0.00	150.0 150.0	± 9.6 %
	The said stand	Y	4.20	67.29	16.29	9 1	150.0	
		Z	4.10	67.09	16.00		150.0	
10519- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	×	4.26	67.30	16.23	0.00	150.0	± 9.6 %
000000		Y	4.32	67.42	16.36	7	150.0	
		Z	4.22	67.22	16.07		150.0	
10520- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	×	4.12	67.21	16.14	0.00	150.0	± 9.6 %
		Y	4.18	67.34	16.28		150.0	
10521- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.08 4.05	67.13 67.13	15.98 16.10	0.00	150.0 150.0	± 9.6 %
MAD	wups, aape duty cycle)	Y	4.11	67.26	16.24		150.0	
		Z	4.11	67.03	15.93		150.0	
10522- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	X	4.08	67.17	16.14	0.00	150.0	± 9.6 %
100		Y	4.14	67.31	16.28		150.0	
		Z	4.03	67.05	15.96		150.0	

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10523- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	Х	4.06	67.38	16.19	0.00	150.0	± 9.6 %
		Y	4.12	67.52	16.33		150.0	
		Z	4.01	67.29	16.03		150.0	
10524- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	X	4.05	67.25	16.21	0.00	150.0	± 9.6 %
		Y	4.11	67.39	16.35		150.0	-
		Z	4.00	67.15	16.04		150.0	
10525- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	Х	4.12	66.42	15.87	0.00	150.0	± 9.6 %
da con	1	Y	4.18	66.55	16.00		150.0	
		Z	4.08	66.34	15.71		150.0	
10526- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.20	66.62	15.96	0.00	150.0	± 9.6 %
		Y	4.27	66.76	16.09		150.0	
		Z	4.15	66.52	15.79		150.0	
10527- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4,15	66.61	15.90	0.00	150.0	±9.6 %
		Y	4.21	66.75	16.04		150.0	
		Z	4.10	66.51	15.74		150.0	
10528- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	X	4.16	66.61	15.93	0.00	150.0	± 9.6 %
		Y	4.22	66.75	16.07		150.0	1
30.57572.17	CONTRACTOR AND ADDRESS OF THE PARTY OF THE P	Z	4.11	66.51	15.76		150.0	
10529- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	X	4.16	66.61	15.93	0.00	150.0	± 9.6 %
		Y	4.22	66.75	16.07		150.0	
	Francisco Company Company Company	Z	4.11	66.51	15.76	374-75-75	150.0	
10531- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc duty cycle)	X	4.11	66.58	15.88	0.00	150.0	± 9.6 %
		Y	4.17	66.72	16.02		150.0	
	100	Z	4.06	66.47	15.71		150.0	
10532- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	Х	4.01	66.45	15.81	0.00	150.0	± 9.6 %
A STATE OF THE STA		Y	4.07	66.59	15.95		150.0	
		Z	3.96	66.35	15.65		150.0	
10533- AAB	IEEE 802.11ac WiFi (20MHz, MCSB, 99pc duty cycle)	X	4.16	66.72	15.94	0.00	150.0	± 9.6 %
		Y	4.22	66.86	16.08		150.0	
		Z	4.11	66.61	15.77		150.0	
10534- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	X	4.75	66.52	16.05	0.00	150.0	± 9.6 %
		Y	4,81	66.64	16,16		150.0	
		Z	4.71	66.44	15.91		150.0	
10535- AAB	IEEE 802,11ac WiFi (40MHz, MCS1, 99pc duty cycle)	X	4.78	66.63	16,11	0.00	150.0	± 9.6 %
		Y	4.84	66.75	16.22		150.0	
	The second secon	Z	4.74	66.54	15.96	-	150.0	
10536- AAB	IEEE 802,11ac WiFi (40MHz, MCS2, 99pc duty cycle)	×	4.68	66.60	16.07	0.00	150.0	± 9.6 %
		Y	4.73	66.73	16.19		150.0	
MI_QCC011	The state of the s	Z	4.63	66.52	15.93	7777	150.0	1109957
10537- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	4.77	66.73	16.14	0.00	150.0	± 9,6 %
	21	Y	4.83	66.85	16.25		150.0	
		Z	4.72	66.63	15.99		150.0	
10538- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	X	4.79	66.55	16.08	0.00	150.0	± 9.6 %
COL C		Y	4.85	66.67	16.20		150.0	
		Z	4.75	66,46	15.94		150.0	
10540- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	4.73	66.52	16,09	0.00	150.0	±9.6 %
	A STATE OF THE PARTY OF THE PAR	Y	4.79	66.64	16.21		150.0	
		Z	4.69	66.43	15.95		150.0	

ES3DV2- SN:3019 August 20, 2018

10541+ AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	×	4.73	66.49	16.05	0.00	150.0	± 9.6 %
SOAT HE	- Succession - Suc	Y	4.79	66.60	16.16		150.0	
		Z	4.69	66.41	15,91		150.0	
10542- AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	4.87	66.56	16.10	0.00	150.0	± 9.6 %
		Y	4.93	66.68	16.22		150.0	
		Z	4.83	66.49	15.97		150.0	
10543- AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	×	4.95	66.68	16.20	0.00	150.0	± 9.6 %
		Y	5.00	66.80	16.31		150.0	
		Z	4,89	66.58	16.05	Common ?	150.0	CONTRACTOR NO.
10544- AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	×	5.13	66.53	16.04	0.00	150.0	± 9.6 %
		Y	5.19	66.64	16.15		150.0	
10010		Z	5.10	66.46	15.91	12000	150.0	
10545- AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.32	67.06	16.27	0.00	150.0	± 9.6 %
		Y	5.37	67.18	16.39		150.0	
4-11-1	The state of the s	Z	5.26	66.93	16.12	1	150.0	
10546- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.16	66.63	16.06	0.00	150.0	±9.6 %
	21 COURT VI	Y	5.21	66.74	16.17	7 7	150.0	
		Z	5.12	66.56	15.93		150.0	
10547- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	X	5.32	67.06	16.27	0.00	150.0	± 9.6 %
1111111111		Y	5.37	67,16	16.38		150.0	
	LOUIS AAA	Z	5.27	66,95	16.13		150.0	
10548- AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	×	5.33	67.26	16.36	0.00	150.0	± 9.6 %
		Y	5.39	67.41	16.48		150.0	
		Z	5.26	67.08	16.18		150.0	
10550- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	×	5.31	67.19	16.36	0.00	150.0	± 9.6 %
		Y	5.36	67.30	16.47		150.0	-
	A CONTRACTOR OF THE PARTY OF TH	Z	5.26	67.08	16.21	over the	150.0	785700 =
10551- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	X	5,13	66.55	16.00	0.00	150.0	± 9.6 %
		Y	5.18	66.66	16.11		150.0	
202000	Language of the Control of the Contr	Z	5.09	66.49	15.88		150.0	
10552- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	×	5.13	66.67	16.05	0.00	150.0	±9.6 %
	n (10 - 1) (10 - 1)	Y	5.19	66.78	16.16		150.0	
		Z	5.09	66.61	15.93		150.0	
10553- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.17	66.57	16.03	0.00	150.0	± 9.6 %
10020		Y	5.23	66.69	16.14		150.0	
		Z	5.14	66.52	15.91		150.0	
10554- AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.59	66.85	16.12	0.00	150.0	± 9.6 %
YAXYIY.	William State of the State of t	Y	5.64	66.96	16.23		150.0	
		Z	5.55	66.79	16.00		150.0	
10555- AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	X	5.66	67.06	16.21	0.00	150.0	± 9.6 %
		Y	5.71	67.17	16.32		150.0	
		Z	5.62	66.97	16.09		150.0	
10556- AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	5.73	67.28	16.32	0.00	150,0	± 9.6 %
		Y	5.79	67.40	16.43		150.0	
1/2014-2	The same of the sa	Z	5.68	67.17	16.18	TING I	150.0	STATE OF THE PARTY OF
10557- AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	Х	5.65	67.02	16.20	0.00	150.0	± 9.6 %
		Y	5.70	67.14	16.31		150.0	
		2.5		66.94				

ES3DV2-SN:3019

10558- AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	Х	5.62	66,96	16.19	0.00	150.0	± 9.6 %
210	sape daty cyany	Y	5.67	67.08	16.30		150.0	
		Z	5.57	66.8B	16.06		150.0	2792113
10560- AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc duty cycle)	X	5.65	66.95	16.22	0.00	150.0	±9.6 %
		Y	5.71	67.07	16.33		150.0	
		Z	5.61	66.87	16.10		150.0	
10561- AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc duty cycle)	Х	5.60	66.94	16.24	0.00	150.0	± 9.6 %
777777		Y	5.65	67.07	16.36		150.0	
		Z	5.55	66.86	16.11		150.0	
10562- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	5.63	67.07	16.31	0.00	150.0	± 9.6 %
		Y	5.69	67.19	16.42		150.0	
		Z	5.59	66.99	16.18		150.0	
10563- AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	5.78	67.23	16.36	0.00	150.0	± 9.6 %
		Y	5.83	67.32	16.46		150.0	
20.000	THE STORY OF THE SECTION OF THE SECT	Z	5.76	67.23	16.28		150.0	
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	Х	4,46	67.18	16.31	0.46	150.0	± 9.6 %
		Y	4.52	67.32	16.46		150.0	
	AND	Z	4.42	67.11	16.17	40.75	150.0	V. Constant
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	4.63	67.58	16.63	0.46	150.0	± 9.6 %
	Or Date of the party of the par	Y	4.69	67.69	16.75		150.0	
		Z	4.59	67.52	16.49	102101	150.0	- Control Co.
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	X	4.47	67.37	16.42	0.46	150.0	± 9.6 %
100000		Y	4.54	67.50	16.57		150.0	
		Z	4.43	67.29	16.28		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	X	4.52	67.79	16.83	0.46	150.0	± 9.6 %
0.000000		Y	4.57	67.86	16.92		150.0	
		Z	4.48	67.72	16.69		150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	X	4.34	66,96	16.07	0.46	150.0	± 9.6 %
		Y	4.41	67.16	16.26		150.0	
		Z	4.29	66.85	15.90		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	X	4.53	68.16	17.05	0.46	150.0	± 9.6 %
		Y	4.58	68.21	17.13		150.0	
		2	4,49	68.10	16.91		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	4.49	67.82	16.87	0.46	150.0	± 9,6 %
		Y	4.55	67.90	16.97		150.0	
-227410	meaning a recognition with a meaning possession	Z	4.45	67.74	16.72	4,000	150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	Х	1,16	65.70	15.86	0.46	130.0	± 9.6 %
		Y	1.22	66.16	16.29		130.0	
		Z	1.13	64.93	15.27	- mari	130.0	- permit
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.18	66.44	16.31	0.46	130.0	± 9.6 %
		Y	1.24	66.88	16.72		130.0	
		Z	1.14	65.55	15.67		130.0	
10573- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	15.28	116.08	30.90	0.46	130.0	± 9,6 %
		Y	37.29	132.13	35.54	1	130.0	
		Z	2.39	87.75	23.05	-	130.0	
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	X	1,45	74,49	20.17	0.46	130.0	± 9.6 %
		Y	1.51	74.69	20.49		130.0	
		7	1.27	71.67	18.75		130.0	

AAA C 10577- II AAA C 10578- III AAA C 10579- III AAA C 10580- III AAA C 10581- III AAA C 10582- III AAA C 10582- III AAA C	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X Y Z X	4.33 4.23 4.31 4.37 4.26 4.44 4.49 4.39 4.36 4.41 4.32 4.10 4.17 4.05 4.11	67.20 66.99 67.33 67.44 67.25 67.51 67.62 67.44 67.69 67.61 66.72 66.93 66.61	16.53 16.23 16.51 16.64 16.36 16.64 16.76 16.49 16.78 16.87 16.63 15.92	0.46	130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0	±9.6 % ±9.6 % ±9.6 %
10577- II 10578- II 10579- II 10580- II 10581- II 10582- II 10583- II 10583- III	OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X Y Z X Y Z X Y Z X Y Z X	4.31 4.37 4.26 4.44 4.50 4.39 4.36 4.41 4.32 4.10 4.17 4.05	67.33 67.44 67.25 67.51 67.62 67.44 67.69 67.76 67.61 66.72 66.93 66.61	16.51 16.64 16.36 16.64 16.76 16.78 16.87 16.63 15.92	0.46	130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0	±9.6 %
AAA C 10577- II AAA C 10578- II AAA C 10579- II AAA C 10580- AAA C 10581- II AAA C 10581- II AAA C	OFDM, 9 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	Y Z X Y Z X Y Z X Y Z X Y Y Z X	4.37 4.26 4.44 4.50 4.39 4.36 4.41 4.32 4.10 4.17 4.05	67.44 67.25 67.51 67.62 67.44 67.69 67.61 66.72 66.93 66.61	16.64 16.36 16.64 16.76 16.49 16.78 16.87 16.63 15.92	0.46	130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0	±9.6 %
AAA C 10578- III 10579- III AAA C 10580- III AAA C 10581- III 10582- III AAA C 10583- III	OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X Y Z X Y Z X Y Z	4.26 4.44 4.50 4.39 4.36 4.41 4.32 4.10 4.17 4.05	67.25 67.51 67.62 67.44 67.69 67.76 67.61 66.72 66.93 66.61	16.36 16.64 16.76 16.49 16.78 16.87 16.63 15.92	0.46	130.0 130.0 130.0 130.0 130.0 130.0 130.0 130.0	±9.6 %
AAA C 10578- III 10579- III AAA C 10580- III AAA C 10581- III AAA C 10582- III 10583- III 10583- III	OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X Y Z X Y Z X Y Z X	4.44 4.50 4.39 4.36 4.41 4.32 4.10 4.17 4.05	67.51 67.62 67.44 67.69 67.76 67.61 66.72 66.93 66.61	16.64 16.76 16.49 16.78 16.87 16.63 15.92	0.46	130.0 130.0 130.0 130.0 130.0 130.0 130.0	±9.6 %
AAA C 10578- III 10579- III AAA C 10580- III AAA C 10581- III AAA C 10582- III 10583- III 10583- III	OFDM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X Y Z X Y Z X Y Z X	4.44 4.50 4.39 4.36 4.41 4.32 4.10 4.17 4.05	67.51 67.62 67.44 67.69 67.76 67.61 66.72 66.93 66.61	16.64 16.76 16.49 16.78 16.87 16.63 15.92	0.46	130.0 130.0 130.0 130.0 130.0 130.0 130.0	±9.6 %
10578- III AAA C 10579- IEE AAA C 10580- IEE AAA C 10581- IEE AAA C	IEEE 802,11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle) IEEE 802,11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle) IEEE 802,11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle) IEEE 802,11g WiFi 2.4 GHz (DSSS-	X Y Z X Y Z	4.39 4.36 4.41 4.32 4.10 4.17 4.05	67.44 67.69 67.76 67.61 66.72 66.93 66.61	16.49 16.78 16.87 16.63 15.92		130.0 130.0 130.0 130.0 130.0	
AAA C 10579- IE AAA C 10580- IE AAA C 10581- IE AAA C 10582- IE AAA C	OFDM, 18 Mbps, 90pc duty cycle) IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X Y Z X Y Z	4.39 4.36 4.41 4.32 4.10 4.17 4.05	67.44 67.69 67.76 67.61 66.72 66.93 66.61	16.49 16.78 16.87 16.63 15.92		130.0 130.0 130.0 130.0 130.0	
AAA C 10579- IE AAA C 10580- IE AAA C 10581- IE AAA C 10582- IE AAA C	OFDM, 18 Mbps, 90pc duty cycle) IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle) IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	X Y Z X Y Z	4.36 4.41 4.32 4.10 4.17 4.05	67.69 67.76 67.61 66.72 66.93 66.61	16.78 16.87 16.63 15.92		130.0 130.0 130.0 130.0	
10579- IE AAA C 10580- IE AAA C 10581- IE AAA C	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z X Y Z X	4.32 4.10 4.17 4.05	67.61 66.72 66.93 66.61	16.63 15.92 16.12	0.46	130.0 130.0	± 9.6 %
10580- IE AAA C 10581- IE AAA C 10582- IE AAA C	OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z X Y Z X	4.32 4.10 4.17 4.05	67.61 66.72 66.93 66.61	16.63 15.92 16.12	0.46	130.0 130.0	± 9.6 %
AAA C 10580- IE AAA C 10581- IE AAA C 10582- IE AAA C	OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-	X Y Z X	4.10 4.17 4.05	66.72 66.93 66.61	15.92 16.12	0.46	130.0	± 9.6 %
10580- IE AAA C 10581- IE AAA C 10582- IE AAA C	OFDM, 24 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-	Y Z X	4.17 4.05	66.93 66.61	16.12	0.46		± 9.6 %
AAA C 10581- IE AAA C 10582- IE AAA C	OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-	Z X	4.05	66.61				
AAA C 10581- IE AAA C 10582- IE AAA C	OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-	X			15.75		130.0	
AAA C 10581- IE AAA C 10582- IE AAA C	OFDM, 36 Mbps, 90pc duty cycle) IEEE 802.11g WiFi 2.4 GHz (DSSS-	Y	4.11	00.00	15011.00		130.0	
10581- IE AAA C 10582- IE AAA C	IEEE 802.11g WiFi 2.4 GHz (DSSS-			66.69	15.89	0.46	130,0	± 9.6 %
AAA C 10582- IE AAA C		7	4.18	66.91	16.09		130.0	
AAA C 10582- IE AAA C		500	4.05	66.55	15.69		130.0	
10582- IE AAA C	to melon solar and alma)	X	4.30	67.88	16.81	0.46	130.0	± 9.6 %
AAA C		Y	4.35	67.96	16.92		130.0	
AAA C		Z	4.25	67.78	16.65		130.0	
10583- IE	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.01	66.47	15.69	0.46	130.0	± 9.6 %
	er and or mopo, oopo daily oyolo,	У	4.09	66.72	15.92		130.0	
		Z	3.96	66.34	15.50		130.0	
NAD IN	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.27	67,06	16.39	0.46	130.0	± 9.6 %
	mops, sope daily cycle)	Y	4.33	67.20	16.53		130.0	_
		Ż	4.23	66.99	16.23		130.0	
	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.31	67.33	16.51	0.46	130.0	± 9.6 %
rono in	mops, sope duty cycle)	Y	4.37	67,44	16.64		130.0	
		ż	4.26	67.25	16.36		130.0	
	EEE 802.11a/h WiFi 5 GHz (OFDM, 12	X	4.44	67.51	16.64	0.46	130.0	± 9.6 %
AAD IV	Mbps, 90pc duty cycle)	Y	4.50	67.62	16.76		130.0	_
		Z	4.39	67.44	16.76		130.0	
	EEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	X	4.39	67.69	16.49	0.46	130.0	± 9.6 %
10 10	maps, superduty tytity	Y	4.41	67.76	16.87		130.0	
		Z	4.32	67.61	16.63		130.0	
	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	X	4.10	66.72	15.92	0.46	130.0	± 9.6 %
10	mayor vote dari bjuloj	Υ	4.17	66.93	16.12		130.0	
		Z	4.05	66.61	15.75		130.0	
	EEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	X	4.11	66.69	15.89	0.46	130.0	± 9.6 %
10	meles eather sort alone)	Y	4.18	66.91	16.09		130.0	
		Z	4.05	66.55	15.69		130.0	
	EEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	X	4.30	67.88	16.81	0,46	130.0	± 9.6 %
10	major and along	Y	4.35	67.96	16.92		130.0	
		Z	4.25	67.78	16.65		130.0	
	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54	X	4.01	66.47	15.69	0.46	130.0	± 9.6 %
AAB N	Mbps, 90pc duty cycle)	Y	4.00	00.70	45.00		420.0	
	75000	Z	4.09 3.96	66.72 66.34	15.92 15.50		130.0	

10591- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4,43	67.18	16.55	0.46	130.0	± 9.6 %
0.00	11000,000,000	Y	4.49	67.29	16.68		130.0	
		Z	4.39	67.12	16.41		130.0	1 1/150
10592- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	×	4.52	67.42	16.66	0.46	130.0	± 9.6 %
7777		Y	4.58	67.53	16.78		130.0	
		Z	4.48	67.35	16.51		130.0	
10593- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.45	67.30	16.51	0.46	130.0	±9.6 %
1001110		Y	4.51	67.43	16.65		130.0	
		Z	4.40	67.23	16.36		130.0	
10594- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	×	4.50	67.49	16.69	0.46	130.0	± 9.6 %
		Y	4.56	67.59	16.81		130.0	
		Z	4.46	67.41	16.54		130.0	
10595- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	X	4.47	67.48	16.61	0.46	130.0	± 9.6 %
		Y	4.53	67.60	16.74		130.0	
	1	Z	4.42	67.40	16.45		130.0	
10596- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc duty cycle)	X	4.39	67.39	16.57	0.46	130.0	± 9.6 %
		Y	4.45	67.52	16.71		130.0	
NO SERVICE	A CATALONIA TO A SOCIAL STREET, STREET	Z	4.33	67.28	16.41	V24.0	130.0	
10597- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	X	4.35	67.24	16.40	0.46	130.0	± 9.6 %
		Y	4.41	67.39	16.55		130.0	
	The second secon	Z	4.30	67.15	16.24	0000000	130.0	000000
10598- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	×	4.36	67.56	16.72	0.46	130.0	± 9.6 %
	I STATE OF THE STA	Y	4.42	67.64	16.83		130.0	
		Z	4.32	67.48	16.57		130.0	
10599- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	X	5.28	68.07	17.13	0.46	130.0	± 9.6 %
Certification of the contract		Y	5.31	68.10	17.21		130.0	
		Z	5.25	68.02	17.00		130.0	
10600- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	×	5.26	68.02	17.07	0.46	130.0	± 9.6 %
		Y	5.32	68.16	17.21		130.0	
		Z	5.18	67.83	16.88		130.0	
10601- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.19	67.88	17.02	0.46	130.0	± 9.6 %
A STATE OF THE PARTY OF T		Y	5.24	68.00	17.15		130.0	
	7	Z	5.13	67.77	16.87		130.0	
10602- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	Х	5.23	67.74	16.87	0.46	130.0	± 9.6 %
		Y	5.29	67.89	17.01		130.0	
	A STATE OF THE STA	Z	5.16	67.59	16.70		130.0	
10603- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.22	67.79	17.04	0.46	130.0	± 9.6 %
		Y	5.28	67.91	17.16		130.0	
		Z	5.16	67.66	16.88	0.000	130.0	10,275,000
10604- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.14	67.45	16.84	0.46	130.0	± 9.6 %
		Y	5.19	67.55	16.95	11	130.0	
		Z	5.09	67.38	16.70		130.0	0.000
10605- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	X	5.18	67.64	16.94	0.46	130.0	± 9.6 %
20000-0		Y	5.24	67.79	17.08	1	130.0	
	(2)2	Z	5.12	67.50	16.77		130.0	
10606- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	Х	5.10	67.52	16.72	0.46	130.0	± 9.6 %
411111111111111111111111111111111111111		Y	5.15	67.65	16.86		130.0	
		Z	5.05	67,41	16.57		130.0	

10607- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.29	66.54	16.21	0.46	130.0	± 9.6 %
- William		Y	4.34	66.66	16.33		130.0	
		Z	4.24	66.47	16.06	3,120	130.0	
10608- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	x	4.39	66.80	16.33	0.46	130.0	± 9.6 %
		Y	4.45	66.92	16.46		130.0	
		Z	4.34	66.71	16.18	10000	130.0	
10609- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 90pc duty cycle)	×	4.29	66.63	16.15	0.46	130.0	± 9.6 %
		Y	4.36	66.77	16.28		130.0	
40040	LEGE AND ADDRESS OF THE PARTY O	Z	4.24	66.54	15.98		130.0	
10610- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	×	4.35	66.83	16.34	0.46	130.0	± 9.6 %
	The state of the s	Y	4.41	66.94	16.46		130.0	
		Z	4.30	66.73	16.18		130.0	
10611- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	×	4.25	66.59	16.16	0.46	130.0	± 9.6 %
	1 2 Constitution of the co	Y	4.32	66.72	16.29		130.0	
		Z	4.20	66.49	15.99		130.0	
10612- AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	×	4.22	66,65	16.17	0.46	130.0	±9.6 %
		Y	4.29	66.81	16.32	-	130.0	
10010	ARRE AAA	Z	4.17	66.52	15.99		130.0	The second
10613- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	×	4.22	66.46	15.99	0.46	130.0	±9.6 %
		Y	4.29	66.63	16.15		130.0	
10011		Z	4.17	66.34	15.82		130.0	-100000
10614- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	×	4.22	66.76	16.30	0.46	130.0	± 9,6 %
		Y	4.28	66.86	16.41		130.0	
	The second secon	Z	4.17	66.66	16.13	A STREET	130.0	1000000
10615- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	×	4.24	66.41	15.90	0.46	130.0	± 9.6 %
		Y	4.31	66.60	16.08		130.0	
		Z	4.19	66.31	15.73		130.0	
10616- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	×	4.93	66.65	16.40	0.46	130.0	± 9.6 %
	20 9704 925	Y	4.98	66.76	16.51		130.0	
		Z	4.88	66.57	16.26		130.0	
10617- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	Х	4.95	66.75	16.43	0.46	130.0	± 9.6 %
	736450476665755	Y	5.01	66.87	16.55		130.0	
		Z	4.90	66.65	16.28		130.0	
10618- AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	X	4.86	66,79	16,47	0.46	130.0	± 9.6 %
		Y	4.92	66.89	16.57		130.0	
		Z	4.82	66.72	16.33		130.0	
10619- AAB	IEEE 802.11ac WiFi (40MHz, MC\$3, 90pc duty cycle)	×	4.94	66.81	16.41	0.46	130.0	± 9.6 %
		Y	5.00	66.95	16.54		130.0	
		Z	4.88	66.69	16.25	Laurence .	130.0	
10620- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	×	4.94	66.58	16.33	0.46	130.0	± 9.6 %
		Y	5.00	66.71	16.46		130.0	
		Z	4.89	66.47	16.18		130.0	
10621- AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	×	4.96	66.73	16.54	0.46	130.0	± 9.6 %
		Y	5.02	66.81	16.63		130.0	
	-	Z	4.92	66.66	16.41		130,0	
10622- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	×	4.95	66.82	16.59	0.46	130.0	± 9.6 %
11-1-1	January 2000 CC	Y	5.00	66.92	16.68	1	130.0	
		Z	4.90	66.73	16.45		130.0	

ES3DV2- SN:3019 August 20, 2018

10623-	IEEE 802.11ac WiFi (40MHz, MCS7,	ТхТ	4.87	66.45	16.24	0.46	130.0	± 9.6 %
AAB	90pc duty cycle)	1 1						
		Y	4.92	66.58	16.37		130.0	
		Z	4.82	66.36	16.10	0.40	130.0	.000
10624- AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 90pc duty cycle)	×	5.04	66.65	16.42	0.46	130.0	± 9.6 %
		Y	5.09	66.77	16.53		130.0	
		Z	4.99	66.56	16.27		130.0	
10625- AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	×	5.15	66.91	16.62	0.46	130.0	± 9.6 %
		Υ	5.20	67.00	16,72		130.0	
		Z	5.10	66.84	16.48		130.0	
10626- AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	X	5.29	66.59	16.34	0.46	130.0	± 9.6 %
		Y	5.34	66.70	16.45		130.0	
		Z	5.25	66.53	16.22		130.0	
10627- AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	X	5.52	67.29	16.67	0.46	130.0	± 9.6 %
		Y	5.58	67.41	16.78		130.0	
		Z	5.47	67.18	16.52		130.0	
10628- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	×	5.27	66.55	16.22	0.46	130.0	± 9.6 %
		Y	5.33	66.68	16.34		130.0	
		Z	5.23	66.47	16.09		130.0	
10629- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 90pc duty cycle)	X	5.51	67.21	16.55	0.46	130.0	±9.6 %
		Υ	5.56	67.34	16.68		130.0	
		Z	5.45	67.08	16.40		130.0	
10630- AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 90pc duty cycle)	X	5.53	67.47	16.69	0.46	130.0	± 9.6 %
	1000000,000,000,000	Y	5.60	67.63	16.83		130.0	
		Z	5.44	67.24	16.49		130.0	
10631- AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	X	5.53	67.60	16.95	0.46	130.0	± 9.6 %
		Y	5.58	67.67	17.02		130.0	
		7	5.48	67.48	16.80		130.0	
10632- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	x	5.65	67.90	17.12	0.46	130.0	± 9.6 %
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	l Y	5.69	67.95	17.19		130.0	
		Z	5.59	67.77	16.96		130.0	
10633- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	x	5.28	66.62	16.30	0.46	130.0	±9.6%
		Y	5.34	66.72	16.40		130.0	l —
		Z	5.25	66.56	16.18		130.0	
10634- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	х	5.32	66.86	16.47	0.46	130.0	±9.6%
		Y	5.37	66.95	16.56		130.0	
		Z	5.29	66.80	16.35		130.0	
10635- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	×	5.16	66.03	15.76	0.46	130.0	± 9.6 %
		Y	5.23	66.21	15.93		130.0	
		Z	5.12	65.96	15.63		130.0	
10636- AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	X	5.75	66.94	16.43	0.46	130.0	± 9.6 %
		Y.	5.81	67.05	16.54		130.0	
		Z	5.72	66.87	16.31		130.0	
10637- AAC	IEEE 802.11ac WIFI (160MHz, MCS1, 90pc duty cycle)	×	5.87	67.25	16.58	0.46	130.0	± 9.6 %
		Y	5.92	67.36	16.69		130.0	
		Z	5.82	67.15	16.45		130.0	
10638- AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	х	5.94	67.47	16.67	0.46	130.0	± 9.6 %
		Y	5.99	67.59	16.78		130.0	

10639- AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 90pc duty cycle)	Х	5.83	67.14	16.54	0.46	130.0	± 9.6 %
	and a second	Y	5.88	67.25	16.65		130.0	
		Z	5.78	67.06	16.42	1000	130.0	
10640- AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	X	5.74	66.89	16.36	0.46	130.0	± 9.6 %
		Y	5.80	67.03	16.49		130.0	
		2	5.70	66.81	16.23	1.0698	130.0	
10641- AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	X	5.90	67.16	16.52	0.46	130.0	± 9.6 %
		Y	5.96	67.30	16.65		130.0	
10010		2	5.84	67.04	16.37		130.0	
10642- AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	5.88	67.23	16.72	0.46	130.0	± 9.6 %
		Y	5.93	67.31	16.81		130.0	
10643-	ICEC 000 44 HEE (400HH) - MOOR	Z	5.84	67.16	16.60		130.0	
10643- AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	X	5.73	66.90	16.44	0.46	130.0	± 9.6 %
		Y	5.79	67.04	16.57		130.0	
10644-	IEEE 000 Man MEET MOOREN, MEET	Z	5.68	66.81	16.31	4000	130.0	
AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	5,78	67.07	16.55	0.46	130.0	± 9.6 %
		Y	5.84	67.20	16.67		130.0	
10645-		Z	5.74	66.99	16.42		130.0	
AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	5.92	67.19	16.58	0.46	130.0	± 9.6 %
		Y	5.97	67.31	16.69		130.0	
10010	LTC TDD 100 CD111 LDD ALL!	Z	5.89	67.17	16,48	Lauren .	130.0	-
10646- AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	×	13.61	107.81	37.87	9.30	60.0	± 9.6 %
		Υ	25.75	125.86	44.42		60.0	
10010	1.55 500 100 50111 100	Z	9.90	101.38	36.12	+ 1+, + 1, +	60.0	177577
10647- AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	Х	11.23	103.89	36.78	9.30	60.0	±9.6 %
		Y	19.74	119.98	42.91		60.0	
10648-	CDMM2000 (4: Advance)	Z	8.22	97.43	34.92	0.00	60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	0.30	60.00	4.87	0.00	150.0	± 9.6 %
		Y	0.33	60.00	5.44		150.0	
10652-	LTC TOD (OFDIA SAND E VILO 4	Z	0.30	60.00	4.85	0.00	150.0	
AAC	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.70	69.20	16.78	2.23	80.0	± 9.6 %
		Y	3.79	69.35	16.97		80.0	
10653- AAC	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	3.51 4.13	68.59 67.83	16.38 17.08	2.23	80.0 80.0	±9.6 %
	Suldered and the	Y	4.22	67.99	17.23		80.0	
		Z	4.00	67.46	16.80		80.0	
10654- AAC	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4.14	67.26	17.12	2.23	80.0	±9.6 %
and the same of th		Y	4.22	67.42	17.27		80.0	
		Z	4.03	66.92	16.87		80.0	1100000
10655- AAD	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	×	4.22	67.03	17.14	2.23	80.0	±9.6 %
		Y	4.30	67.21	17.29		80.0	
		Z	4.11	66.70	16.90	Sample of the	80.0	Corew Scott
10658- AAA	Pulse Waveform (200Hz, 10%)	X	100.00	111.26	26.36	10.00	50.0	± 9.6 %
		Y	100.00	114.45	28.17	-	50.0	
e conser	Same as a supplementary	Z	100.00	110.83	26.00	1504-0-	50.0	di sarro
10659- AAA	Pulse Waveform (200Hz, 20%)	X	100.00	108.50	24.19	6.99	60.0	± 9.6 %
		Y	100.00	112.09	26.11		60.0	7
		Z	100.00	108.95	24.23		60.0	

ES3DV2- SN:3019 August 20, 2018

10660- AAA	Pulse Waveform (200Hz, 40%)	l ×	100.00	108.32	22.04	3.98	80.0	± 9.6 %
		Y	100.00	111.36	24.50		80.0	
		Z	100.00	107.90	22.58		80.0	
10661- AAA	Pulse Waveform (200Hz, 60%)	х	100.00	103.65	19.77	2.22	100.0	± 9.6 %
		Y	100.00	112.12	23.59		100.0	
		Z	100.00	106.59	20.90		100.0	
10662- AAA	Pulse Waveform (200Hz, 80%)	×	100.00	90.92	13.24	0.97	120.0	±9.6%
		Y	100.00	110.88	21.41		120.0	
		Z	100.00	97.17	15.68		120.0	

⁶ Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

DIPOLE CALIBRATION CERTIFICATES

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





Schweizerischer Kalibrierdienst Service suisse d'étalonnage

Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

Issued: November 10, 2016

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

BACL

2902-1207 tende all APP final Printers Securit PAL Land

Certificate No: CLA150-4020_Nov16

CALIBRATION CERTIFICATE

Object

CLA150 - SN: 4020

Calibration procedure(s)

QA CAL-15.v8

Calibration procedure for system validation sources below 700 MHz

Calibration date:

November 08, 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 $(22 \pm 3)^{\circ}$ 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)	100 March 1
Power sensor NRP-Z91	SN: 103245	06-Apr-16 (No. 217-02289)	Apr-17
Reference 30 dB Attenuator	SN: 5129 (30b)	05-Apr-16 (No. 217-02294)	Apr-17
Type-N mismatch combination	SN: 5047,2 / 06327	05-Apr-16 (No. 217-02295)	Apr-17
Reference Probe EX3DV4	SN: 3877	31-Dec-15 (No. EX3-3877_Dec15)	Apr-17
DAE4	SN: 654		Dec-16
	311.004	12-Aug-16 (No. DAE4-654_Aug16)	Aug-17
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (No. 217-02285/02284)	In house check: Jun-18
Power sensor E4412A	SN: MY41498087	06-Apr-16 (No. 217-02285)	In house check: Jun-18
Power sensor E4412A	SN: 000110210	06-Apr-16 (No. 217-02284	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)	
	Name	55 National Section 2015	In house check: Oct-17
Calibrated by:	planta de la companya della companya della companya de la companya de la companya della companya	Function	Signature
Daliurated by:	Claudio Leubler	Laboratory Technician	
Approved by:	Katja Pokovic	Technical Manager	
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			//

Certificate No: CLA150-4020_Nov16

Page 1 of 8

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

Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura

C Swiss Calibration Service

Accredited by the Swiss Accreditation Service (SAS) Accreditation No.: SCS 0108

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

Glossary:

TSL

tissue simulating liquid

ConvF N/A

sensitivity in TSL / NORM x,y,z not applicable or not measured

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"

Additional Documentation:

e) DASY4/5 System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss: This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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%.

Measurement Conditions

DASY system configuration, as far as not given on page 1.

DASY Version	DASY5	V52.8.8
Extrapolation	Advanced Extrapolation	
Phantom	ELI4 Flat Phantom	Shell thickness: 2 ± 0.2 mm
EUT Positioning	Touch Position	
Zoom Scan Resolution	dx, dy = 4.0 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	150 MHz ± 1 MHz	

Head TSL parameters
The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	52.3	0.76 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	50.1 ± 6 %	0.75 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	1 W input power	3.64 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	3.64 W/kg ± 18.4 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	1 W input power	2.46 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	2.47 W/kg ± 18.0 % (k=2)

Body TSL parameters
The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	61.9	0.80 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	61.4 ± 6 %	0.82 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	1 W input power	3.81 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	3.73 W/kg ± 18.4 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	1 W input power	2.57 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	2.52 W/kg ± 18.0 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	44.4 Ω - 1.8 jΩ	
Return Loss	- 24.1 dB	

Antenna Parameters with Body TSL

Impedance, transformed to feed point	45.9 Ω - 6.0 jΩ
Return Loss	- 22.5 dB

Additional EUT Data

Manufactured by	SPEAG	
Manufactured on	November 25, 2015	

DASY5 Validation Report for Head TSL

Date: 07.11.2016

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: CLA-150; Type: CLA-150; Serial: 4020

Communication System: UID 0 - CW; Frequency: 150 MHz

Medium parameters used: f = 150 MHz; $\sigma = 0.75 \text{ S/m}$; $\varepsilon_r = 50.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3877; ConvF(12.02, 12.02, 12.02); Calibrated: 31.12.2015;
- · Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn654; Calibrated: 12.08.2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1003
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7372)

CLA Calibration for HSL-LF Tissue/CLA150, touch configuration, Pin=1W/Area Scan

(81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 5.06 W/kg

CLA Calibration for HSL-LF Tissue/CLA150, touch configuration, Pin=1W/Zoom Scan,

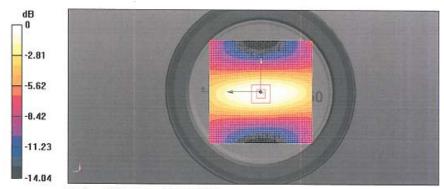
dist=1.4mm (8x10x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 81.89 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.81 W/kg

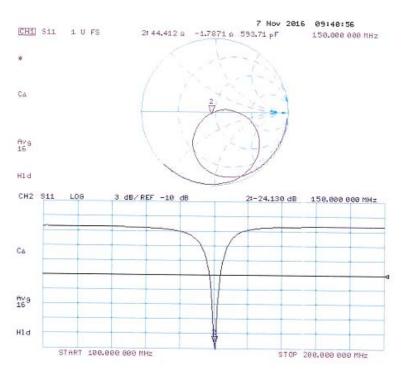
SAR(1 g) = 3.64 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 5.06 W/kg



0 dB = 5.06 W/kg = 7.04 dBW/kg

Impedance Measurement Plot for Head TSL



DASY5 Validation Report for Body TSL

Date: 08.11.2016

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: CLA-150; Type: CLA-150; Serial: 4020

Communication System: UID 0 - CW; Frequency: 150 MHz

Medium parameters used: f = 150 MHz; $\sigma = 0.82$ S/m; $\epsilon_r = 61.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3877; ConvF(11.44, 11.44, 11.44); Calibrated: 31.12.2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn654; Calibrated: 12.08.2016
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1003
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7372)

CLA Calibration for MSL-LF Tissue/CLA150, touch configuration, Pin=1W/Area Scan (81x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 5.32 W/kg

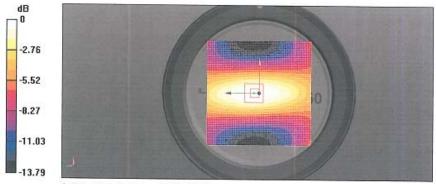
CLA Calibration for MSL-LF Tissue/CLA150, touch configuration, Pin=1W/Zoom Scan, dist=1.4mm (8x10x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 80.95 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 3.81 W/kg; SAR(10 g) = 2.57 W/kg

Maximum value of SAR (measured) = 5.27 W/kg



0 dB = 5.32 W/kg = 7.26 dBW/kg

Impedance Measurement Plot for Body TSL

