1.1. DAE4 Calibration Certificate-1315

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





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

Accredited by the Swiss Accreditation Service (SAS).

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

CIQ - SZ (Auden)

Accreditation No.: SCS 0108

C

Certificate No: DAE4-1315_Apr18

CALIBRATION CERTIFICATE DAE4 - SD 000 D04 BM - SN: 1315 Object QA CAL-06.v29 Calibration procedure(s) Calibration procedure for the data acquisition electronics (DAE) Calibration date: April 18, 2018 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 Keithley Multimeter Type 2001 SN: 0810278 31-Aug-17 (No:21092) Aug-18 ID # Check Date (in house) Secondary Standards Scheduled Check Auto DAE Calibration Unit SE UWS 053 AA 1001 04-Jan-18 (in house check) In house check: Jan-19 Calibrator Box V2.1 SE UMS 006 AA 1002 04-Jan-18 (in house check) In house check: Jan-19 Function Calibrated by: Adrian Gehring Laboratory Technician Approved by: Sven Kühn Deputy Manager Issued: April 18, 2018 This calibration certificate shall not be reproduced except in full without written approval of the laboratory.

Certificate No: DAE4-1315_Apr18

Page 1 of 5

Calibration Laboratory of

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multilateral Agreement for the recognition of calibration certificates

Glossary

DAE data acquisition electronics

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

coordinate system.

Methods Applied and Interpretation of Parameters

- DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- Connector angle: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
 - DC Voltage Measurement Linearity: Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
 - Common mode sensitivity: Influence of a positive or negative common mode voltage on the differential measurement.
 - Channel separation: Influence of a voltage on the neighbor channels not subject to an input voltage.
 - AD Converter Values with inputs shorted: Values on the internal AD converter corresponding to zero input voltage
 - Input Offset Measurement: Output voltage and statistical results over a large number of zero voltage measurements.
 - Input Offset Current: Typical value for information; Maximum channel input offset current, not considering the input resistance.
 - Input resistance: Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
 - Low Battery Alarm Voltage: Typical value for information. Below this voltage, a battery alarm signal is generated.
 - Power consumption: Typical value for information. Supply currents in various operating modes.

DC Voltage Measurement

A/D - Converter Resolution nominal

Calibration Factors	x	Y	z
High Range	405.149 ± 0.02% (k=2)	404.986 ± 0.02% (k=2)	404.952 ± 0.02% (k=2)
Low Range	3.96228 ± 1.50% (k=2)	3.98089 ± 1.50% (k=2)	4.00126 ± 1.50% (k=2)

Connector Angle

Connector Angle to be used in DASY system	46.0°±1°
---	----------

Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range	Reading (μV)	Difference (µV)	Error (%)
Channel X + Input	200024.97	-8.48	-0.00
Channel X + Input	20005,25	-0.13	-0.00
Channel X - Input	-20001.75	3.06	-0.02
Channel Y + Input	200025,44	-7.86	-0.00
Channel Y + Input	20001.53	-3.75	-0.02
Channel Y - Input	-20005.79	-0.87	0.00
Channel Z + Input	200027.69	-5.60	-0.00
Channel Z + Input	20001.22	-3.99	-0.02
Channel Z - Input	-20004.11	0.84	-0.00

Low Range	Reading (μV)	Difference (µV)	Error (%)
Channel X + Input	2001.36	-0.19	-0.01
Channel X + Input	203.07	1.41	0.70
Channel X - Input	-197.21	1.16	-0.58
Channel Y + Input	2001.51	-0.02	-0.00
Channel Y + Input	200.92	-0.65	-0.32
Channel Y - Input	-199.27	-0.92	0.47
Channel Z + Input	2001.85	0.42	0.02
Channel Z + Input	200.57	-0.90	-0.45
Channel Z - Input	-199.46	-0.94	0.48

2. Common mode sensitivity

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	0.97	-1.57
	- 200	3.57	1.64
Channel Y	200	-20.06	-20.67
	- 200	20.76	19.87
Channel Z	200	-3.75	-3.80
	- 200	1.78	1.36

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Input Voltage (mV)	Channel X (μV)	Channel Y (µV)	Channel Z (µV)
Channel X	200		0.28	-3.66
Channel Y	200	8.07	•8	2.03
Channel Z	200	10.36	5.16	

4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	High Range (LSB)	Low Range (LSB)
Channel X	16128	16017
Channel Y	16242	15803
Channel Z	15530	15931

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Input 10MΩ

	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (µV)
Channel X	0.31	-1.07	1.80	0.46
Channel Y	-0.35	-1.30	0.91	0.41
Channel Z	-0.59	-1.65	1.20	0.41

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

7.00	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)	
Supply (+ Vcc)	+7.9	
Supply (- Vcc)	-7.6	

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	-0.01	-8	-9

1.2. Probe Calibration Certificate-7375

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

Accredited by the Swiss Accreditation Service (SAS)

The Swiss Accreditation Service is one of the signatories to the EA

Multiliateral Agreement for the recognition of calibration certificates

Client Auden

Certificate No: EX3-7375_Dec18

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7375

Calibration procedure(s)

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

Calibration procedure for dosimetric E-field probes

Calibration date:

December 13, 2018

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: 55277 (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 E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-18)	In house check: Jun-20
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-18)	In house check: Jun-20
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-18)	In house check, Oct-19

Calibrated by:

Claudio Leubler

Claudio Leubler

Laboratory Technician

Approved by:

Ketja Pokovic

Technicat Manager

Issued: December 15, 2018

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

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Glossary:

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

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

Polarization φ rotation around probe axis

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

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

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

Calibration is Performed According to the Following Standards:

- 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
- EC 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).

Probe EX3DV4

SN:7375

Manufactured: April 13, 2015

Calibrated: December 13, 2018

Calibrated for DASY/EASY Systems

(Note: non-compatible with DASY2 system!)

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7375

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (µV/(V/m) ²) ^A	0.50	0.42	0.46	± 10.1 %
DCP (mV) ⁸	99.7	99.5	99.8	2.10.1.70

Modulation Calibration Parameters

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Unc ^E (k=2)
0	CW	×	0.0	0.0	1.0	0.00	162.8	±3.3 %
		Y	0.0	0.0	1.0		162.4	
		Z	0.0	0.0	1.0		176.7	

Note: For details on UID parameters see Appendix.

Sensor Model Parameters

	C1 fF	C2 fF	α V-1	T1 ms.V ⁻²	T2 ms.V⁻¹	T3 ms	T4 V-2	T5 V-1	T6
X	49.17	370.4	36.49	10.04	0.092	5.100	1.852	0.214	1.010
Y	33.20	261.0	38.89	2.699	0.121	5.052	0.000	The state of the s	
Z	41.99	314.1	35.78	7.410	0.109	5.054		0.162	1.015
			66.76	1,741.0	0,103	5.004	1.240	0.205	1.00

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

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

EX3DV4-SN:7375

December 13, 2018

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7375

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 ⁶	Depth ^{ti} (mm)	Unc (k=2)
750	41.9	0.89	10.35	10.35	10.35	0.40	0.94	± 12.0 %
835	41.5	0.90	10.13	10.13	10.13	0.50	0.81	± 12.0 %
900	41.5	0.97	9.83	9.83	9.83	0.44	0.84	± 12.0 %
1450	40.5	1.20	8.93	8.93	8.93	0.47	0.80	± 12.0 %
1750	40.1	1.37	8.58	8.58	8.58	0.39	0.84	± 12.0 %
1900	40.0	1.40	8.26	8.26	8.26	0.34	0.85	± 12.0 %
2000	40.0	1.40	8.19	8.19	8.19	0.33	0.84	± 12.0 %
2300	39.5	1.67	7.79	7.79	7.79	0.31	0.85	± 12.0 %
2450	39.2	1.80	7.64	7.64	7.64	0.34	0.86	± 12.0 %
2600	39.0	1.96	7.42	7.42	7.42	0.36	0.85	± 12.0 %
3500	37.9	2,91	7.20	7.20	7.20	0.28	1.20	± 13.1 %
3700	37.7	3.12	7.06	7.06	7.06	0.25	1,20	± 13.1 %
3900	37.5	3.32	6.96	6.96	6.96	0.25	1.80	± 13.1 %
4600	36.7	4.04	6.74	6.74	6.74	0.25	1.80	± 13.1 %
5250	35.9	4.71	5.29	5.29	5.29	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.69	4.69	4,69	0.40	1.80	± 13.1 %
5750	35.4	5.22	4.85	4.85	4.85	0.40	1.80	± 13.1 %

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

At frequencies below 3 GHz, the validity of tigoup parameters (since the colored to ± 100 MHz.)

validity can be extended to ± 110 MHz.

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

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.

EX3DV4-SN:7375

December 13, 2018

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7375

Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^r	Conductivity (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	55.5	0.96	10.52	10.52	10.52	0.47	0.80	± 12.0 %
835	55.2	0.97	10.18	10.18	10.18	0.46	0.80	± 12.0 %
900	55.0	1.05	9.93	9.93	9.93	0.45	0.81	± 12.0 %
1450	54.0	1.30	8,75	8.75	8.75	0.38	0.80	± 12.0 %
1750	53.4	1.49	8.56	8.56	8.56	0.44	0.88	± 12.0 %
1900	53.3	1.52	8.20	8.20	8.20	0.38	0.89	± 12.0 %
2000	53.3	1.52	8.14	8.14	8.14	0.27	1.10	± 12.0 %
2300	52.9	1.81	7.69	7.69	7.69	0.45	0.83	± 12.0 %
2450	52.7	1.95	7.81	7.81	7.81	0.34	0.92	± 12.0 %
2600	52.5	2.16	7.53	7.53	7.53	0.24	1.05	± 12.0 %
3500	51.3	3.31	7.17	7.17	7.17	0.28	1.20	± 13.1 %
3700	51.0	3.55	6.98	6.98	6.98	0.20	1.25	± 13.1 %
3900	51.2	3.78	6.86	6.86	6.86	0.20	1.90	± 13.1 %
4600	49.8	4.60	6.73	6.73	6.73	0.20	1.90	± 13.1 %
5250	48.9	5.36	4.65	4.65	4.65	0.50	1.90	± 13.1 %
5600	48.5	5.77	4.00	4.00	4.00	0.50	1.90	± 13.1 %
5750	48.3	5.94	4.27	4.27	4.27	0.50	1.90	± 13.1 %

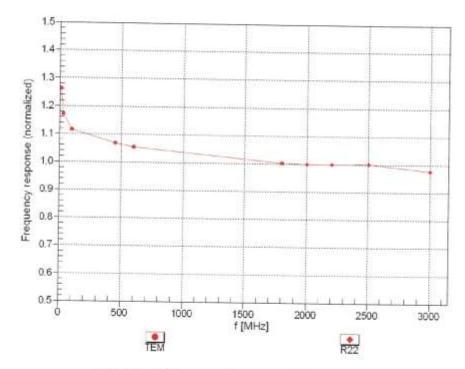
Frequency validity above 300 MHz of \pm 100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to \pm 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz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

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

measured SAR values. At frequencies above 3 GHz, the validity or tissue parameters (c and d) is reserved to 3.5%. The uncertainty or indicated larger tissue parameters.

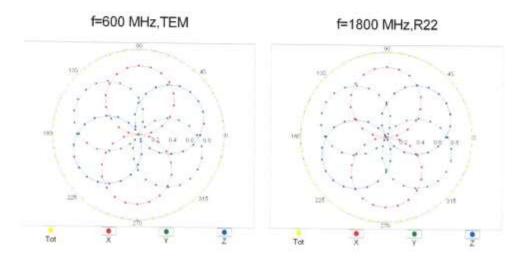
Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ± 1% for frequencies below 3 GHz and below ± 2% for frequencies between 3-6 GHz at any distance larger than half the probe tip

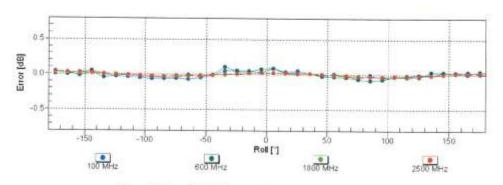
Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

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



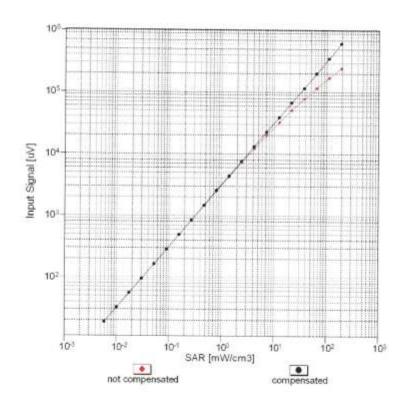


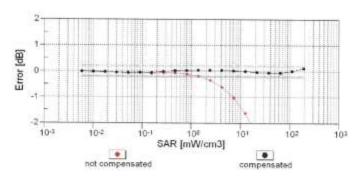
Uncertainty of Axial Isotropy Assessment: ± 0.5% (k=2)

EX3DV4-SN:7375

December 13, 2018

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



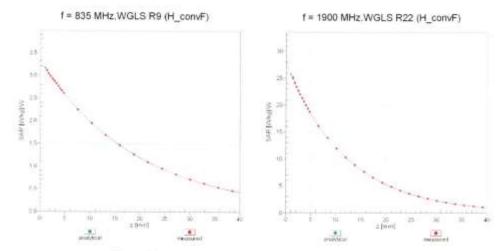


Uncertainty of Linearity Assessment: ± 0.6% (k=2)

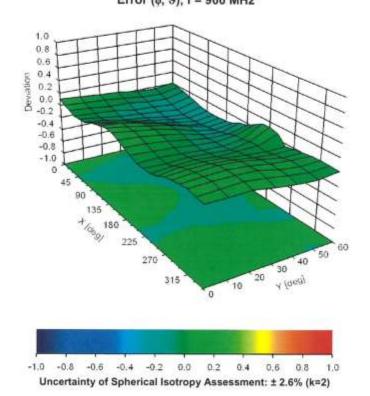
Certificate No: EX3-7375_Dec18

Page 9 of 39

Conversion Factor Assessment



Deviation from Isotropy in Liquid Error (¢, 9), f = 900 MHz



Page 10 of 39

EX3DV4-SN:7375

December 13, 2018

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7375

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	15.4
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

Certificate No: EX3-7375_Dec18

Page 11 of 39

Appendix: Modulation Calibration Parameters

ÚIĎ	ix: Modulation Calibration Parar 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	162.8	± 3.3 %
	75749	Y	0.00	0.00	1.00	2000000	162.4	
		Z	0.00	0.00	1.00		176.7	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	×	2.91	69.50	11.48	10.00	20.0	± 9.6 %
		Y	1.35	61.41	6.87		20.0	
		Z	1.64	63.37	8.27		20.0	
10011- CAB	UMTS-FDD (WCDMA)	X	1.84	78.98	21.46	0.00	150.0	±9.6 %
11.00.27		Y	0.82	65.25	13.30		150.0	
		Z	1.06	68.85	16.02		150.0	
10012- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	×	1.24	66.18	17.53	0.41	150.0	± 9.6 %
		Y	1.01	62.53	14.24		150.0	
		Z	1.12	63.97	15.48		150.0	
10013- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps)	Х	4.93	67.08	17.64	1.46	150.0	± 9.6 %
***************************************	32313775030301000000	Y	4.56	66.44	16.91		150.0	
- Control of the Cont		Z	4.76	66.70	17.11		150.0	
10021- DAC	GSM-FDD (TDMA, GMSK)	X	100.00	116.80	28.03	9.39	50.0	± 9.6 %
		Y	100.00	104.25	21.97		50.0	
		Z	100.00	108.46	24.06		50.0	
10023- DAC	GPRS-FDD (TDMA, GMSK, TN 0)	×	100.00	115.86	27.65	9.57	50.0	±9.6 %
		Y	27.86	91.24	18.81		50.0	
SHOWER .		Z	100.00	107.87	23.85		50.0	
10024- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	×	100.00	124.40	30.29	6.56	60.0	±9.6 %
		Y	100.00	102.44	19.86		60.0	
		Z	100.00	110.17	23.70		60.0	
10025- DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	×	7.05	92.09	38.98	12.57	50.0	± 9.6 %
-		Y.	3.18	64.30	23.15		50.0	
No. and Cont.	Service on ARCHIOCORPANA IN DOCUMENTA ON PORTION	Z	5.20	80.44	32.44	Sections	50.0	
10026- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	X	10.75	101.29	37.96	9.56	60.0	±9.6 %
		Y	4.58	78.65	28.18		60.0	
		Z	7.14	89.57	32.76		60.0	
10027- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	Х	100.00	136.39	34.55	4.80	80.0	± 9.6 %
		Y	100.00	100.53	18.19		80.0	
20000		Z	100.00	113.90	24.50		80.0	
10028- DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	X	100.00	154.91	41,33	3.55	100.0	± 9.6 %
		Y	100.00	96.11	15.71		100.0	
		Z	100.00	119.88	26.26		100.0	
10029- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	X	5.71	84.43	30.09	7.80	80.0	±9.6 %
		Y	3.25	71.14	23.56		80.0	
and and		Z	4.39	77.68	26.53	. 100 000	80.0	Carp. See
10030- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	×	100.00	126.72	30.80	5.30	70.0	± 9.6 %
	Large Same Control of the Control of	Y	100.00	98,47	17.62		70.0	
-		Z	100.00	109.19	22.80		70.0	
10031- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	×	100.00	204.79	58.62	1.88	100.0	± 9.6 %
		Y	20.70	333.07	21.03		100.0	
		Z	100.00	114.13	22.48		100.0	

10032- CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	X	100.00	332,68	104.48	1.17	100.0	± 9.6 %
Statistics.		Y	0.02	110.01	6.35		100.0	
		Z	100.00	131.38	27.95		100.0	
10033- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	X	100.00	140,44	39.63	5.30	70.0	± 9.6 %
		Y	4.74	82.59	20.12		70.0	
		Z	38.53	116.47	31.52		70.0	
10034- CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	X	100.00	137.36	36.72	1.88	100.0	± 9.6 %
	Parate	Y	1.09	65.96	11.42		100.0	
	And the second s	Z	3.95	83.00	20.15		100.0	
10035- CAA	IEEE 802.15.1 Bluetooth (Pl/4-DQPSK, DH5)	X	93.71	135,49	35.72	1.17	100.0	± 9.6 %
		Y	0.84	63.91	10.00		100.0	
		Z	2.28	76.28	17.42		100.0	
10036- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Х	100.00	141.11	39.94	5.30	70.0	± 9.6 %
		Y	6.85	88.04	21.99		70.0	
		Z	100.00	131.91	35.24		70.0	40,000,000
10037- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Х	100.00	137.50	36.72	1.88	100.0	± 9.6 %
		Y	1.01	65.33	11.12		100.0	
		Z	3.38	81.04	19.46		100.0	
10038- CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5).	×	100.00	137.56	36.40	1.17	100.0	± 9.6 %
		Y	0.84	64.10	10.23		100.0	
		Z	2.31	76.79	17.76	111000	100.0	
10039- CAB	CDMA2000 (1xRTT, RC1)	×	19.34	107.07	27.68	0.00	150.0	± 9.6 %
		Y	0.72	62.44	8.55		150.0	
		Z	2.02	74.02	15.92		150.0	
10042- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Halfrate)	×	100,00	114.63	26.27	7,78	50.0	± 9.6 %
		Y	2.19	68.12	10.36		50.0	
40044	10.01011011.000	Z	100.00	105.23	21.86		50.0	
10044- CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	Х	0.00	122.73	2.62	0.00	150.0	±9.6%
		Y	0.11	121,80	11.55		150.0	
		Z	0.01	113.49	7.34		150.0	
10048- CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	X	100.00	110.31	26.61	13.80	25.0	± 9.6 %
		Y	5.04	69.37	13.19		25.0	
10049- CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	X	26.95 1017.78	89.52 139.92	20.10 31.99	10.79	25.0 40.0	± 9.6 %
	area and	Y	4.91	72.32	13.17		40.0	
		Z	100.00	106.11	23.44		40.0	
10056- CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	X	100.00	130.04	36.07	9.03	50.0	± 9.6 %
2000		Y	26.70	99.76	25.13		50.0	
		Z	100.00	123.07	32.44		50.0	
10058+ DAC	EDGE-FDO (TDMA, 8PSK, TN 0-1-2-3)	X	4.32	78.02	26.46	6.55	100.0	± 9.6 %
		Y	2.76	68.34	21.38		100.0	
		Z	3.52	73.12	23.61		100.0	
10059- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	Х	1.30	67.86	18.55	0.61	110.0	± 9.6 %
021701	1110 (1100 (1)	Y	1.00	63.07	14.61		110.0	
		Z	1.14	64.89	16.05	Surgius -	110.0	
10060- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	Х	100.00	160.04	44.97	1.30	110.0	± 9.6 %
		Y	1.79	82.46	21.13		110.0	
		Z	100.00	146.44	38.81		110.0	

Certificate No: EX3-7375_Dec18 Page 13 of 39

10061- CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	X	9,96	110.55	34.50	2.04	110.0	±9.6 %
	23.738.95	Y	1.33	71.06	18.70		110.0	
		Z	2.29	79.83	22.80		110.0	
10062- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	X	4.75	67,15	17.08	0.49	100.0	± 9.6 %
		Y	4.36	66.39	16.30		100.0	
	Toronto de la companio della compani	Z	4.58	66.75	16.56		100.0	- maximum
10063- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	X	4.77	67.26	17.20	0.72	100.0	±9.6 %
	10000	Y	4.37	66.48	16.40		100.0	
		Z	4.59	66.82	16.65		100.0	
10064- CAC	IEEE 802,11a/h WIFI 5 GHz (OFDM, 12 Mbps)	Х	5.06	67.50	17,41	0.86	100.0	± 9.6 %
		Y	4.61	66.69	16.61		100.0	
	Service Control of the proposition	Z	4.85	67.06	16.87	ASSESSED OF	100.0	10000
10065- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	X	4.92	67.40	17.53	1.21	100.0	±9.6 %
26071	(0-35/7)	Y	4.47	66.51	16.68		100.0	
		Z	4.71	66.92	16.95		100.0	
10066- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	X	4.93	67.41	17,70	1.46	100.0	± 9.6 %
		Y	4.48	66.48	16.82		100.0	
		2	4.72	66.91	17.11	Seriel .	100.0	is someone
10067- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	X	5.21	67.49	18.11	2.04	100.0	± 9.6 %
000000	- 100 two	Y	4.76	66.79	17.33		100.0	
		Z	5.00	67.10	17.56		100.0	
10068- CAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	X	5.25	67.55	18.35	2.55	100.0	±9.6%
		Y	4.78	66.67	17.49		100.0	
		Z	5.03	67.03	17.73		100.0	240400
10069- CAC	IEEE 802,11a/h WiFi 5 GHz (OFDM, 54 Mbps)	X	5.32	67.51	18,52	2.67	100.0	±9.6%
	THE STATE OF THE S	Y	4.84	66.70	17.68		100.0	
		Z	5.10	67.06	17.93		100.0	
10071- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	X	5.01	67.13	17.94	1.99	100.0	± 9.6 %
		Y	4.64	66.49	17.21		100.0	
		Z	4.84	66.75	17.40		100.0	20000
10072- CAB	(DSSS/OFDM, 12 Mbps)	X	4.99	67.49	18.20	2.30	100.0	± 9.6 %
20770	- Appropriate Control of the second section of the second section of the second section sectin	Y	4.58	66.67	17.37		100.0	
		Z	4.79	67.01	17.59		100.0	
10073- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	Х	5.03	67.61	18.52	2.83	100.0	± 9.6 %
		Y	4.63	66.82	17.70		100.0	
		Z	4.84	67.13	17.90		100.0	- Ferral
10074- CAB	IEEE 802,11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbps)	Х	4.99	67,43	18.65	3.30	100.0	± 9.6 %
-	La research source of the sales	Y	4.63	66.75	17.85		100.0	
		Z	4.81	66.99	18.03		100.0	
10075- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	×	5.02	67,53	18.98	3.82	90.0	± 9.6 %
	177	Y	4.63	66.70	18.08		90.0	
		Z	4.83	67.01	18.30		90.0	200040
10076- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	X	5.00	67,21	19.04	4.15	90.0	± 9.6 %
334.1165	3-3	Y	4.67	66.57	18.25		90.0	
		Z	4.84	66.80	18.43		90.0	
10077- CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	×	5.02	67.26	19.13	4.30	90.0	± 9.6 %
		Y	4.70	66.65	18.36		90.0	
		Z	4.86	66.86	18.52		90.0	

Certificate No: EX3-7375_Dec18 Page 14 of 39

10081- CAB	CDMA2000 (1xRTT, RC3)	X	3.86	88.87	22.28	0.00	150.0	± 9.6 %
		Y	0.39	60:00	6.46		150.0	
	AMBERTANISANSA WOMENNA SERVICE SANTON	Z	0.81	66.53	12.23	arces in a	150.0	
10082- CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4- DQPSK, Fullrate)	X	2.69	65,59	5.86	4.77	80.0	±9.6%
		Y	10.04	60.19	1.48		80.0	
		Z	0.56	60.00	3,36		0.08	
10090- DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	×	100.00	124.42	30.32	6.56	60.0	± 9.6 %
		Y	100.00	102.56	19.93		60.0	
-		Z	100.00	110.21	23.74	negotie!	60.0	20.00
10097- CAB	UMTS-FDD (HSDPA)	X	2.27	72.27	18.51	0.00	150.0	±9.6%
		Y	1.59	66.74	14.34		150.0	
10000		Z	1.87	68.75	16.12		150.0	
10098- CAB	UMTS-FDD (HSUPA, Subtest 2)	X	2.23	72.34	18.54	0.00	150.0	±9.6%
		Y	1.56	66.67	14.30		150.0	
40000	PROPERTY OF THE PROPERTY OF TH	Z	1.83	68.72	16.10	1000	150.0	
10099- DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	×	10.89	101.61	38.07	9,56	60.0	± 9.6 %
		Y	4.60	78.77	28.23	-	60.0	1
10100	1 900 0000 1000 0001	Z	7.21	89.78	32.83		60.0	
10100- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	×	3.77	74.04	18.80	0.00	150.0	± 9.6 %
		Υ	2.72	68.71	15.92		150.0	
4444		Z	3.14	70.85	17.03	30000	150.0	1 200.00
10101- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	X	3.46	69.06	17.08	0.00	150.0	± 9.6 %
		Y	2.95	66.60	15.43		150.0	
		Z	3.19	67.71	16.09		150.0	
10102- CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	×	3.55	68.89	17.10	0.00	150.0	± 9.6 %
		Y	3.05	66.66	15.56		150.0	
		Z	3.30	67.68	16.17	10000	150.0	-
10103- CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	X	6,76	78.84	22.54	3.98	65.0	± 9.6 %
		Y	4.52	72.48	19.54		65.0	
		Z	5.54	75.19	20.58		65.0	
10104- CAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	х	6.13	74.76	21.60	3.98	65.0	± 9.6 %
		Y	4.52	69.83	18.98		65.0	
10105-	LTE-TDD (SC-FDMA, 100% RB. 20	Z	5.39 5.63	72.35 72.80	20.09	3.98	65.0	±9.6 %
CAG	MHz, 64-QAM)	Y	4.49	69.37		H1906.		- 4040.79
		Z	5.15	71.22	19.06 19.87	_	65.0 65.0	
10108- CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	3.28	73.32	18.73	0.00	150.0	± 9.6 %
-	The state of the s	Y	2.33	68.12	15.72		150.0	
	Consulation of the consulation o	Z	2.72	70.14	16.88	-	150.0	
10109- CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	3.13	69.19	17.16	0.00	150.0	± 9.6 %
		Y	2.57	66.50	15.16		150.0	
		Z	2.85	67.67	16.00		150.0	
10110- CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	×	2.73	72.94	18.68	0.00	150.0	± 9.6 %
W 2007 112	100 100 100	Y	1.82	67.19	14.96		150.0	
	The state of the s	Z	2.20	69.39	16.50		150.0	
10111- CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	2.96	70.94	17.93	0.00	150.0	±9.6 %
		Y	2.25	67.31	15.02		150.0	
		Z	2.60	68.87	16.38		150.0	

10112- CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	Х	3.24	69.02	17.13	0.00	150.0	± 9.6 %
		Y	2.70	66.62	15.28		150.0	
		2	2.97	67.67	16.06		150.0	
10113- CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	Х	3.10	70.86	17.94	0.00	150.0	± 9.6 %
		Y	2.39	67.55	15.21		150.0	
		Z	2.75	69.01	16.50		150.0	
10114- CAC	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	Х	5.21	67.66	16.94	0.00	150.0	± 9.6 %
		Y	4.87	66.86	16.35		150.0	
		Z	5.05	67.26	16.51		150.0	
10115- CAC	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	X	5.51	67.77	16.99	0.00	150.0	± 9.6 %
		Y	5.12	66.96	16.40		150.0	
		Z	5.30	67.30	16.54	2000	150.0	il—arrow
10116- CAC	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	Х	5.32	67.88	16.97	0.00	150.0	±9.6%
-	11. 10.11.1	Y	4.94	67.01	16.35		150.0	
		ż	5.14	67.44	16.53		150.0	
10117-	IEEE 802.11n (HT Mixed, 13.5 Mbps,	X	5.17	67.51	16.88	0.00	150.0	±9.6 %
CAC	BPSK)	Y	4.84	66.74	16.30	7075	150.0	E69866
		Z	5.02	67.13	16.47		150.0	
10118-	IEEE 802.11n (HT Mixed, 81 Mbps, 16-	X	5.60	68.01	17.11	0.00	150.0	± 9.6 %
CAC	QAM)	Ŷ				0.00	150.0	2 8.0 /0
		Z	5.21	67.22	16.54		150.0	
10119- CAC	SEEE 802.11n (HT Mixed, 135 Mbps, 64- QAM)	X	5.29	67.50 67.82	16.65 16.95	0.00	150.0	± 9.6 %
UNG	GAW)	Y	4.95	67.06	16.38		150.0	
		Z	5.12	67.40	16.52		150.0	
10140- CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	3.59	68.89	17.01	0.00	150.0	±9.6 %
UNL	MITZ, TO-GISIN)	Y	3.07	66.68	15.46		150.0	
		Z	3.33	67.69	16.09		150.0	
10141- CAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	X	3.70	68.89	17.13	0.00	150.0	± 9.6 %
- CO 162	THE RELEASE OF SHEARING	Y	3.20	66.88	15.69		150.0	
		Ż	3.45	67.80	16.26		150.0	
10142- CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	2.64	74.18	18.92	0.00	150.0	± 9.6 %
		Y	1.52	66.51	13.74		150.0	
		Z	1.99	69.58	16.12		150.0	
10143- CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	3.08	73.19	18.30	0.00	150.0	± 9.6 %
		Y	1.91	66.61	13.39		150.0	
		2	2.49	69.82	16.01		150.0	Same, -
10144- CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	Х	2.61	69.56	16.12	0.00	150.0	± 9.6 %
-	- Contraction of	Y	1.68	64.21	11.60		150.0	
		Z	2.16	66.87	14.05		150.0	
10145- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	2.17	73.67	16.29	0.00	150.0	± 9.6 %
		Y	0.62	60.00	6.23		150.0	
		Z	1.04	64.05	10.54		150.0	
10146- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	Х	7.15	82.63	18.53	0.00	150.0	± 9.6 %
1,500	the state of the s	Y	0.82	60.00	6.21		150.0	
		Z	1.41	63.26	9.17		150.0	
10147- CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	Х	35.33	102.70	24.44	0.00	150.0	± 9.6 %
		Y	0.84	60.10	6.34		150.0	

10149- CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	×	3.15	69.26	17.21	0.00	150.0	±9.6 %
		Y	2.58	66.56	15.21		150.0	
	/ Charles and a commence of the commence of th	Z	2.86	67.73	16.05		150.0	
10150- CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM).	X	3.25	69.09	17.18	0.00	150.0	±9.6%
		Y	2.71	66.68	15.32		150.0	
		Z	2.98	67.73	16.10		150.0	
10151- CAG		×	7.59	82.97	24.36	3.98	65.0	± 9.6 %
		Y	4.43	74.29	20.34		65.0	
-000000	Dennestrativo et allografica esperante de la constante de la c	Z	5.79	77.86	21.79		65.0	
10152- CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	Х	5.74	75.16	21.57	3.98	65.0	± 9.6 %
-0.000	L-ZE-ZE-ZE-ZE-ZE-ZE-ZE-ZE-ZE-ZE-ZE-ZE-ZE-	Y	4.05	69.69	18.43		65.0	
		Z	4.93	72.36	19.78		65.0	
10153- CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	×	6.08	75.98	22.28	3.98	65.0	± 9.6 %
		Y:	4.37	70.81	19.35		65.0	
-04.00	MANAGEMENT SERVICE SER	Ž	5.27	73.34	20.59	.504-2	65.0	
10154- CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	2.82	73.59	19.03	0.00	150.0	± 9.6 %
		Y	1.85	67.52	15.17		150.0	
		Z	2.25	69.83	16.77		150.0	
10155- CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	Х	2.96	70.96	17.95	0.00	150.0	± 9.6 %
		Y	2.26	67.36	15.06		150.0	
-5000000	Annual State of the Company of the C	Z	2.60	68.90	16.40		150.0	
10156- CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	×	2.67	75.73	19.34	0.00	150.0	± 9.6 %
-77.62	N-2000	Y	1.30	65.63	12.70		150.0	
		2	1.84	69.72	15.85		150.0	
10157- CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	×	2.63	71.46	16.77	0.00	150.0	± 9.6 %
		Y	1.43	63.75	10.81		150.0	
and the second		Z	2.01	67.49	14.04		150.0	
10158- CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	×	3.11	70.94	18.00	0.00	150.0	± 9.6 %
		Y	2.40	67.64	15.26		150.0	
		Z	2.76	69:09	16.56		150.0	
10159- CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	2.80	72.11	17.12	0.00	150.0	± 9.6 %
		Y	1.48	63.89	10.93		150.0	
Poogen.		Z	2.12	67.97	14.32		150.0	
10160- CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	×	3.14	71.53	18.14	0.00	150.0	±9.6 %
		Y	2.43	67.90	15.68		150.0	
		Z	2.73	69.22	16.62		150.0	
10161- CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	×	3.16	69.12	17.16	0.00	150.0	± 9.6 %
		Y	2.59	66.59	15.12		150.0	
ecapita =	LUCIA SOCIONA SECURIO DEL COMO PERO DE SECURIO DE LO COMO DE LO CO	Z	2.88	67.71	16.03		150.0	
10162- CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	×	3.26	69.20	17.23	0.00	150.0	± 9.6 %
		Y	2.69	66.85	15.29		150.0	
		Z	2.99	67.90	16.15		150.0	
10166- CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	X	4.02	72.49	21.03	3.01	150.0	± 9.6 %
		Y	2.97	68.64	19.42		150.0	
3000	Supplied to the supplied of th	Z	3.42	69.79	19.25		150.0	
10167- CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	5.68	78.00	22.39	3.01	150.0	±9.6 %
CAF 16		Y	3.24	70.90	19.70		150.0	
			2.64					

Certificate No: EX3-7375_Dec18

Page 17 of 39

		527,502		10000000000000000000000000000000000000			Charles San San San San San	
10168- CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	X	6.69	81.57	24.18	3.01	150.0	± 9.6 %
COLVE TO THE		Y	3.70	74.00	21.58		150.0	
		Z	4.89	76.24	21.54		150.0	
10169- CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	×	3.59	73.83	21.76	3.01	150.0	± 9.6 %
CIT INC.	tar trivy	Y	2.23	65.86	18:24		150.0	
		Z	2.78	68.99	18.95		150.0	
10170-	LTE-FDD (SC-FDMA, 1 RB, 20 MHz,	X	7.45	87.98	26.86	3.01	150.0	± 9.6 %
CAE	16-QAM)	Y	2.49	70.05	20.38	0.0.1	150.0	+205.00
							150.0	
127277		Z	4.05	76.56	21.98	3.01	150.0	± 9.6 %
10171- AAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	5.07	79.51	22.62	3.01	_23.533	± 9.0 %
		Y	2.11	66,51	17.48		150.0	
		Z	3.17	71.46	18.74	1,000	150.0	
10172- CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	X	20.63	116,59	38.49	6.02	65.0	±9.6 %
2000	1,000,000	Y	2.70	75.43	24.53		65.0	
		Z	5.45	86.96	27.77		65.0	
10173- CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	×	100.00	139,28	41,16	6.02	65.0	± 9.6 %
0110	.v. serving	Y	4.11	84.66	26.69		65.0	
		Z	17.44	105.14	31.28		65.0	Commen
10174- CAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	X	100.00	137.03	39.96	6.02	65.0	± 9.6 %
LAG	04-Q/4/II)	Y	3.34	80.01	24.25		65.0	
		Z	11.08	95.56	27.74		65.0	
10175	LTE-FDD (SC-FDMA, 1 RB, 10 MHz,		3.53	73.37	21.45	3.01	150.0	±9.6 %
10175- CAG	QPSK)	×	6258707	1720235	MARKET SECTION	3.01	555555	2 5.0 %
		Y	2.21	65.61	17.99		150.0	
		Z	2.75	68.68	18.69		150.0	
10176- CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	7.47	88.03	26.88	3.01	150.0	± 9.6 %
200000		Y	2.49	70.07	20.40		150.0	
		Z	4.06	76.59	21.99		150.0	
10177- CAI	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	3.57	73.59	21.56	3.01	150.0	± 9.6 %
40.11	4. 4.4	Y	2.22	65.72	18.07		150.0	
		Z	2.77	68.83	18.79		150.0	
10178- CAG	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	X	7.30	87.53	26.67	3.01	150.0	± 9.6 %
CAG	SICHIU	Y	2.48	69.94	20.31		150.0	
		Z	4.01	76.36	21.87		150.0	
10179- CAG	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	X	6.13	83.53	24.58	3.01	150.0	±9.6 %
UNU	Set Servery	Y	2.28	68.24	18.84		150.0	
		ż	3.57	73.86	20.21		150.0	
10180-	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-	X	5.04	79.37	22.54	3.01	150.0	± 9.6 %
CAG	QAM)	Y	2.11	66.49	17.45		150.0	
		Z	3.17	71.40	18.69		150.0	
40404	LTE-FDD (SC-FDMA, 1 RB, 15 MHz,				21.56	3.01	150.0	± 9.6 %
10181- CAE	QPSK)	X	3.56	73.57	ASSESSED.	3.01	1000000	2 3.0 78
		Y	2.22	65.70	18.06	-	150.0	-
1		Z	2.77	68.81	18.78	0.01	150.0	1000
10182- CAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	X	7.28	87.49	26.66	3.01	150.0	± 9.6 %
100000		Y	2.48	69,91	20.29		150.0	
		Z	4.00	76.33	21.85		150.0	
	A STATE OF THE PARTY OF THE PARTY OF THE PARTY.	X	5.03	79.32	22.52	3.01	150.0	± 9.6 %
10183- AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-OAM)		0.00	_00000000000000000000000000000000000000	15500.000	55000	1111000-11110	11112000
10183- AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHZ, 64-QAM)	Y	2.11	66.46	17.44	50000	150.0	

Certificate No: EX3-7375_Dec18

Page 18 of 39

10184- CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	Х	3.58	73.62	21.58	3.01	150.0	± 9.6 %
10.11.11	- Control of the Cont	Y.	2.23	65.74	18.08		150.0	
		Z	2.78	68.85	18.80		150.0	
10185- CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)	X	7.33	87.62	26.71	3.01	150.0	± 9.6 %
		Y	2.49	69.98	20.34		150.0	
		z	4.03	76.42	21.90		150.0	
10186- AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	X	5.07	79.44	22.57	3.01	150.0	± 9.6 %
	7.00	Y	2.11	66.52	17.48		150.0	
		Z	3.18	71.45	18.72		150.0	
10187- CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	X	3.59	73.70	21.65	3.01	150.0	± 9.6 %
		Y	2.23	65.81	18.17		150.0	
		Z	2.79	68.92	18.88		150.0	
10188- CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	Х	7.84	89.07	27.33	3.01	150.0	± 9.6 %
3207011	1.000000000	Y	2.55	70.51	20.70		150.0	
		Z	4.18	77.21	22.33		150.0	
10189- AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	х	5.28	80.27	22.99	3.01	150.0	± 9.6 %
		Y	2.15	66.86	17.75		150.0	
		Z	3.26	71.94	19.03		150.0	
10193- CAC	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	Х	4.60	67.12	16.69	0.00	150.0	± 9.6 %
70000	- COTINIONIS	Y	4.24	66.43	15.93		150.0	
		Z	4.44	66.76	16.21	10000	150.0	
10194- CAC	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	X	4.78	67.45	16.81	0.00	150.0	± 9.6 %
		Y	4.37	66.65	16.07		150.0	
		Z	4.60	67.05	16.34		150.0	
10195- CAC	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	Х	4.82	67.47	16.82	0.00	150.0	± 9.6 %
20000	-1470900-0000	Υ	4.41	66.66	16.09		150.0	
	A STATE OF THE STA	Z	4.64	67.07	16.36		150.0	
10196- CAC	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	X	4.61	67.20	16.72	0.00	150.0	± 9.6 %
		Y	4.22	66.41	15.91		150.0	
		Z	4.44	66.80	16.22		150.0	
10197- CAC	IEEE 802.11n (HT Mixed, 39 Mbps, 16- QAM)	Х	4.80	67.47	16.82	0.00	150.0	± 9.6 %
240700		Y.	4.38	66.65	16.08		150.0	
Control of the		Z	4.61	67.06	16.35	Services	150.0	10000000
10198- CAC	IEEE 802.11n (HT Mixed, 65 Mbps, 64- QAM)	×	4.83	67.49	16.84	0.00	150.0	± 9,6 %
		Y	4.40	66.66	16.09		150.0	
		Z	4.64	67.09	16.37		150.0	
10219- CAC	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	X	4.56	67.23	16.69	0.00	150.0	± 9.6 %
	T-11.11.21.21	Y	4.17	66.45	15.88		150.0	
		Z	4.39	66.83	16.19	1,000	150.0	
10220- CAC	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16- QAM)	Х	4.79	67.44	16.81	0.00	150.0	± 9.6 %
		Y	4,37	66.61	16.07		150.0	
		Z	4.61	67.02	16.34		150.0	
10221- CAC	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64- QAM)	Х	4.83	67.40	16.81	0.00	150.0	± 9.6 %
220114	C. C.	Y	4.42	66.61	16.08		150.0	
		Z	4.65	67.02	16.35		150.0	
10222- CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	×	5.15	67.53	16.88	0.00	150.0	± 9.6 %
		Y	4.82	66.74	16.30		150.0	
		Z	4.99	67.13	16.46		150.0	

10223- CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16- QAM)	X	5.45	67.70	16.97	0.00	150.0	± 9.6 %
0.10	36.311	Y	5.07	66.92	16.40		150.0	
		Z	5.29	67.36	16.59		150.0	
10224- CAC	IEEE 802.11n (HT Mixed, 150 Mbps, 64- QAM)	X	5.20	67.65	16.87	0.00	150.0	±9.6 %
SHO	(ZAM)	Y	4.86	66.87	16.28		150.0	
		Z	5.03	67.24	16.44		150.0	
10005	LIMTE EDD (HCDA4)	X	2.96	67,48	16.43	0.00	150.0	± 9.6 %
10225- CAB	UMTS-FDD (HSPA+)			***************************************		0.00	413940404	1, 5.0 /6
		Y	2.46	65.41	14.18		150.0	-
		Z	2.74	66.44	15.35		150.0	1000
10226- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	X	100.00	139.56	41.34	6.02	65.0	±9.6 %
		Y	4.38	86.04	27.32		65.0	
		Z	19.68	107.54	32.08		65.0	
10227- CAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	X	100.00	136.06	39.56	6.02	65.0	±9.6 %
50000		Y	4.92	87.47	27.08		65.0	
		Z	19.54	105.15	30.55		65.0	
10228-	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz,	X	46.84	135.12	43.57	6.02	65.0	±9.6 %
CAA	QPSK)	Y	2.91	77.21	25.39	2000	65.0	2550
_		Z	6.55	90.89	29.23		65.0	-
10229-	LTE TOD (SC EDMA 4 DD 2 MA: 46	X	100.00	139.24	41.16	6.02	65.0	± 9.6 %
10229- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM)					0.02	1000000	13.0 %
		Y	4.14	84.79	26.74		65.0	-
al a constant		Z	17.63	105.30	31.34		65.0	0.004
10230- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM)	×	100.00	135.87	39.43	6.02	65.0	± 9.6 %
		Y	4.54	85.86	26.41		65.0	
		Z	17.29	102.89	29.82		65.0	
10231- CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	X	41.02	131.96	42.66	6.02	65.0	± 9.6 %
a filosophia	- PARTICINA	Y	2.83	76.52	25.01		65.0	
		Z	6.24	89.85	28.78		65.0	
10232- CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM)	×	100.00	139.27	41.16	6.02	65.0	±9.6 %
LDV 14	Sar strij	Y	4.13	84.75	26.73		65.0	
		Z	17.59	105.28	31.33		65.0	
10233- CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM)	X	100.00	135.90	39.44	6.02	65.0	± 9.6 %
un	WORY	Y	4.52	85.78	26.39		65.0	
		Z	17.21	102.84	29.81		65.0	
10234- CAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	X	37,16	129.42	41.85	6.02	65.0	±9.6 %
Ser II	on one	Y	2.77	76.07	24.69		65.0	
		Z	6.02	88.98	28.34		65.0	
10235- CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	X	100.00	139.30	41.17	6.02	65.0	± 9.6 %
CAL	TU-SZHIII)	Y	4.13	84.77	26.74		65.0	
		Z	17,64	105.35	31.36		65.0	
10236-	LTE-TDD (SC-FDMA, 1 RB, 10 MHz,	X	100.00	135.81	39.41	6.02	65.0	± 9.6 %
10236- CAF	64-QAM)	1205	10000000	25-67407(11)	(08897)	0.02	MISSON	2.0.0
		Y	4.59	86.04	26.47	-	65.0	+
		Z	17.60	103.17	29.89	0.00	65.0	1000
		X	41.71	132.40	42.78	6.02	65.0	± 9.6 %
10237- CAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)						-	+
		Y	2.82	76.52	25.02		65.0	
				76.52 89.91	25.02 28.80		65.0 65.0	
10238-	QPSK) LTE-TDD (SC-FDMA, 1 RB, 15 MHz,	Y	2.82			6.02		± 9.6 %
CAF	QPSK)	Y	2.82 6.25	89.91	28.80	6.02	65.0	± 9.6 %

10239- CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	X	100.00	135.94	39.46	6.02	65.0	±9.6%
		Y	4.50	85.71	26.37		65.0	
		Z	17.12	102.77	29.79		65.0	
10240- CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	Х	41.36	132.24	42.74	6.02	65.0	± 9.6 %
		Y	2.82	76.50	25.01		65.0	
		Z	6.23	89.86	28.79		65.0	
10241- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	X	9.26	86,35	28.43	6.98	65.0	± 9.6 %
2000		Y	5.20	77.08	24.74		65.0	
		Z	7.01	80.65	25.45		65.0	
10242- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	Х	7.95	82.90	26,97	6.98	65.0	± 9.6 %
		Y	5.03	76.47	24.38		65.0	
		Z	6.40	78.75	24.58		65.0	
10243- CAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	Х	5.87	77.11	25.49	6.98	65.0	± 9.6 %
	STATE OF STA	Y	4.35	72.98	23.59		65.0	
		Z	5.13	74.64	23.72		65.0	
10244- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	×	10.98	88.44	24.15	3.98	65.0	± 9.6 %
		Y	3.04	69.09	14.47		65.0	
		Z	4.55	73.37	16.97		65.0	
10245- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	10.01	86.54	23.42	3,98	65.0	± 9.6 %
		Y	2.92	68.21	13.97		65.0	
		Z	4.38	72.53	16.55		65.0	
10246- CAC	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	12.70	95.58	26.90	3.98	65.0	± 9.6 %
		Y	2.31	68.28	14.11		65.0	
		Z	4.73	78.16	19.56		65.0	
10247- CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	X	5.74	78.40	21.42	3.98	65.0	± 9.6 %
-	1007.4740.007.1	Y	2.87	67:63	14.60		65.0	
		Z	4.15	72.62	17.95		65.0	
10248- CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	X	5.56	77.21	20.88	3.98	65.0	± 9.6 %
		Y	2.86	67.09	14.31		65.0	
		Z	4.11	71.89	17.59		65.0	
10249- CAF	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	X	12,90	96.74	28.34	3.98	65.0	± 9.6 %
2000		Y	3.48	74.40	18.42		65.0	
and decorate		Z	6.05	82.48	22.39		65.0	
10250- CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	X	6.0B	78.88	23.25	3.98	65.0	± 9.6 %
		Y	3.91	71.80	19.11		65.0	
		Z	4.95	74.96	20.88		65.0	
10251- CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	X	5.69	76,14	21.67	3.98	65.0	± 9.6 %
00/00/03	1986 S. 2017 187	Y	3.72	69.66	17.63		65.0	
		Z	4.73	72.79	19.51	- North	65.0	
10252- CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	X	9.08	89.32	26.82	3.98	65,0	± 9.6 %
		Y	4.19	76.24	20.90		65.0	
		Z	5.96	81.15	23.07		65.0	
10253- CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	X	5.58	74,41	21.23	3.98	65.0	± 9.6 %
98.00.00	THE PERSON	Υ	4.01	69.42	18.16		65.0	
		Z	4.85	71.89	19.52		65.0	
10254- CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	X	5.90	75.22	21.89	3.98	65.0	± 9.6 %
		Y	4.28	70.37	18.93		65.0	
			4.20	10.01	1 10 10 10 10			

10255- CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	Х	6.92	81.46	24.03	3.98	65.0	± 9.6 %
Grif	W ON	Y	4.24	73.63	20.17		65.0	
		Z	5.45	76.94	21.62		65.0	
10256- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	X	8.48	83.30	21.12	3.98	65.0	± 9.6 %
	14 30,307	Y	1.95	63.46	10.11		65.0	
		Z	3.11	67.90	13.25		65.0	
10257- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	X	7.37	80.66	20.03	3.98	65.0	± 9.6 %
Oron	Military Commy	Y	1.91	62.93	9.68		65.0	
		Z	3.01	67.11	12.76		65.0	
10258- CAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	X	8,54	87.85	23.35	3.98	65.0	± 9.6 %
OP TO	Thirties we sarry	Y.	1.57	63.19	10.13		65.0	
		Z	3.09	71.34	15.64		65.0	
10259- CAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	X	5.88	78.57	22.06	3.98	65.0	±9.6 %
ono	TO-SECURY.	Y	3.29	69.42	16.35		65.0	
		Z	4.50	73.65	19.08		65.0	
10260-	LTE-TDD (SC-FDMA, 100% RB, 3 MHz,	X	5.83	77.97	21.80	3.98	65.0	± 9.6 %
CAC	64-QAM)	Y	3.32	69.17	16.22	1780.70	65.0	1200000
_		Z	4.51	73.30	18.91		65.0	
10261-	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	X	9.56	90.98	26.89	3.98	65.0	± 9.6 %
CAC	GP3N)	Y	3.66	74.63	19.18		65.0	
		z	5.61	80.76	22.24		65.0	
10262- CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	X	6.07	78.84	23.21	3.98	65.0	±9.6 %
UMP	10-unwij	Y	3.90	71.72	19.05		65.0	
		Z	4.94	74.90	20.83		65.0	
10263- CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	X	5.68	76.11	21.66	3.98	65.0	± 9.6 %
Circl	O4-GENTA)	Y	3.72	69.64	17.63		65.0	
		Z	4.72	72.77	19.50		65.0	
10264- CAF	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	X	8.96	89.03	26.69	3.98	65.0	± 9.6 %
G/H	Sar Orty	Y	4.15	76.02	20.78		65.0	
		Z	5.89	80.92	22.95		65.0	
10265- CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	X	5.74	75.16	21.57	3.98	65.0	± 9.6 %
Gru	301 A., 10 A. M.	Y	4.05	69.70	18.44		65.0	
		Z	4.93	72.36	19.79		65.0	
10266- CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	X	6.07	75.96	22.27	3.98	65.0	±9.6 %
	100-101	Y	4.36	70.80	19.33		65.0	
		Z	5.27	73.32	20.58		65.0	A CONTRACTOR
10267- CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	X	7.57	82.90	24.33	3.98	65.0	±9.6 %
	Annual Modelin	Y	4.42	74.25	20.32		65.0	
		Z	5.78	77.81	21,77		65.0	
10268- CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	X	6.23	74.36	21.52	3.98	65.0	± 9.6 %
		Y	4.70	69.94	19.09		65.0	
		Z	5.54	72.23	20.13	10-2-20	65.0	
10269- CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	Х	6.16	73.76	21,30	3.98	65.0	± 9.6 %
	- Company Company Company	Y	4.73	69.66	18.98		65.0	
		Z	5.53	71.82	19.98		65.0	
10270-	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	6.69	77.84	22.35	3.98	65.0	±9.6 %
CAF								
CAF	Willia, Go Grey	Y	4.63	72.13	19.56		65.0	

10274- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	Х	2.79	68.29	16.60	0.00	150.0	± 9.6 %
10000000	www.communication	Y	2.30	65.91	14.18		150.0	
and the same	AND THE RESERVE THE PROPERTY OF THE PARTY OF	2	2.56	67.00	15.38		150.0	
10275- CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8-4)	X	2.20	74.21	19.16	0.00	150.0	± 9.6 %
	An —	Y	1.32	66.26	13.99		150.0	
		Z.	1.63	68.95	16.04		150.0	
10277- CAA	PHS (QPSK)	×	1.76	61.10	6.62	9.03	50.0	± 9.6 %
		Y.	1.23	58.19	3.48		50.0	
and the same	International Control of the Control	Z	1.53	59.90	5.31		50.0	
10278- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	X	23.74	97.78	24.59	9.03	50.0	± 9.6 %
		Y	2.25	63.55	9.25		50.0	
		Z	3.64	69.93	13.54		50.0	
10279- CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	×	23.81	97.87	24.70	9.03	50.0	± 9.6 %
		Y	2.31	63.77	9.44		50.0	
7777		Z	3.79	70.36	13.81	0.000	50.0	7 5500
10290- AAB	CDMA2000, RC1, SO55, Full Rate	×	5.23	87.73	21.79	0.00	150.0	± 9.6 %
		Y	0.63	61.20	7.58		150.0	
10001		Z	1.38	69.04	13.52		150.0	
10291- AAB	CDMA2000, RC3, SO55, Full Rate	×	3,44	87.25	21.74	0.00	150.0	± 9.6 %
		Y	0.39	60.00	6.44		150.0	
40000	CD1110000 DO0 CO00 D 10	Z	0.79	66.25	12.07		150.0	
10292- AAB	CDMA2000, RC3, SO32, Full Rate	X	100.00	139,14	35.61	0.00	150.0	±9.6%
		Y	0.42	61.08	7.36		150.0	
		Z	1.33	73.76	15.80		150.0	
10293- AAB	CDMA2000, RC3, SO3, Full Rate	×	100.00	143.64	37.73	0.00	150.0	± 9.6 %
		Y	0.55	63.44	9.08		150.0	
4.000.00		Z	4.87	91.37	22.35		150.0	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	X	22.10	105.22	31.52	9.03	50.0	± 9.6 %
		Y	43.43	105.27	27.35		50.0	
4 6 6 6 6 6		Z	14.28	93.54	26.18		50.0	
10297- AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	×	3.31	73.46	18.81	0.00	150.0	± 9.6 %
		Y	2.34	68.22	15.79		150.0	
40000		Z	2.73	70.25	16.95		150.0	
10298- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	X	2.72	76.88	18.73	0.00	150.0	± 9.6 %
		Y	0.85	62.02	8.98		150.0	
40000	LTE FOR ION POLICE TO A STATE OF THE STATE O	Z	1.47	67.80	13.69		150.0	
10299- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	X	9.96	88.44	21.71	0.00	150.0	±9.6 %
		Y	1.34	63.96	9.96		150.0	
10200	LTE EDD (DC EDMA FOR DO TITL	Z	2.19	67.76	12.59		150.0	
10300- AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	X	3.10	71.22	14.62	0.00	150.0	±9.6%
		Y	1.04	60.86	7.46		150.0	
10301- AAA	IEEE 802.16e WiMAX (29:18, 5ms,	Z X	1.60 4.91	63.48 66.32	9.75 18.17	4.17	150.0 50.0	±9.6%
7771	10MHz, QPSK, PUSC)	W	4.40	04.00	40.70			
		Y	4.19	64.68	16.72		50,0	
10302-	IEEE 802 189 WIMAY /20-19 5	Z	4.61	65.67	17,54	4.00	50.0	
AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3 CTRL symbols)	×	5.30	66.55	18.67	4.96	50.0	± 9.6 %
		Υ	4.70	65.59	17.66		50.0	
		Z	4.99	65.82	17.99		50.0	

10303- AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	X	5.03	66.16	18.50	4.96	50.0	± 9.6 %
	Term to the time to do do	Y	4.45	65.22	17.43		50.0	
		Z	4.72	65.39	17.77		50.0	
10304- NAA	IEEE 802:16e WiMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	X	4.86	66.10	18.02	4.17	50.0	± 9.6 %
2000	The state of the s	Y.	4.25	64.84	18.74		50.0	
	The state of the s	Z	4.56	65.36	17.32		50.0	
10305-	IEEE 802.16e WIMAX (31:15, 10ms,	X	4.36	67.65	20.04	6.02	35.0	±9.6%
AAA	10MHz, 64QAM, PUSC, 15 symbols)	Ÿ	3.71	65.74	17.66	0.01.00.0	35.0	1000000000
		Z	4.01	66.34	18.79		35.0	
10306- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC, 18 symbols)	X	4.71	66.74	19.61	6.02	35.0	± 9.6 %
		Y.	4.13	65.41	17.86		35.0	
	The second of th	Z	4.40	65.78	18.63	2150.00	35.0	
10307- AAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, PUSC, 18 symbols)	Х	4.60	66.90	19.58	6.02	35.0	±9.6 %
	10111112, 31 011, 1000, 1000, 1000,	Y	3.99	65.33	17.70		35.0	
		Ż	4.28	65.80	18.53		35.0	
10308- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	X	4.58	67.10	19.72	6.02	35.0	± 9.6 %
	198712, 199214, 1990)	Y.	3.96	65.49	17.83		35.0	
		Z	4.25	65.98	18.67		35.0	
10309- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM, AMC 2x3, 18 symbols)	X	4.78	67.00	19.78	6.02	35.0	± 9.6 %
1441	TOTALL, TOGS ON, THESE EAST, TO SYMPOSIS	Y	4.14	65.47	17.95		35.0	
		Z	4.44	65.95	18.76		35.0	
10310- AAA	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3, 18 symbols)	X	4.66	66.79	19.58	6.02	35.0	± 9.6 %
7.0.0.1	10000 00, 00, 000, 000	Y	4.07	65.44	17.84		35.0	
		2	4.34	65.81	18.59		35.0	
10311- AAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	X	3.69	72.32	18.21	0.00	150.0	± 9.6 %
		Y	2.69	67.47	15.53		150.0	
		Z	3.10	69.44	16.56		150.0	
10313- AAA	IDEN 1:3	X	21.53	102.95	26.76	6.99	70.0	± 9.6 %
		Y	1.66	67.75	13.97		70.0	
		Z	3.11	74.65	16.98		70.0	
10314- AAA	iDEN 1:6	X	93.96	137.13	39.06	10.00	30.0	± 9.6 %
		Y	3.71	79.50	21.57		30.0	
		Z	6.39	88.00	24.81		30.0	
10315- AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	X	1.16	66.35	17.62	0.17	150.0	± 9.6 %
		Y	0.94	62.56	14.16		150.0	
		Z	1.05	64.02	15.47	E-100	150.0	La Calabara
10316- AAB	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 96pc duty cycle)	×	4.66	67.18	16.86	0.17	150.0	± 9.6 %
SACCE TO		Y	4.26	66.36	16.04		150.0	
		Z	4.48	66.76	16.34		150.0	
10317- AAC	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	×	4.66	67.18	16,86	0.17	150.0	± 9.6 %
	THE REAL PROPERTY.	Y	4.26	66.36	16.04		150.0	
		2	4.48	66.76	16.34		150.0	
10400- AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc duty cycle)	X	4.78	67.52	16.82	0.00	150.0	± 9.6 %
7.1(12-11)	2004501000000000000000000000000000000000	Y	4.32	66.63	16.04		150.0	
		Z	4.58	67.09	16.34		150.0	
10401- AAD	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc duty cycle)	X	5.47	67.61	16.91	0.00	150.0	± 9.6 %
mar	AST AND ALCOHOLD	166	W. W. 4	00.60	20.40		450.0	
		Y	5.01	66.46	16.12		150.0	

10402- AAD	IEEE 802.11ac WIFI (80MHz, 64-QAM, 99pc duty cycle)	×	5.72	67,86	16.87	0.00	150.0	± 9.6 %
		Y	5.38	67.07	16.33		150.0	
	Local super control super process of the	Z	5.55	67.47	16.48		150.0	
10403- AAB	CDMA2000 (1xEV-DO, Rev. 0)	X	5.23	87.73	21.79	0.00	115.0	±9.6 %
		Y	0.63	61.20	7.58		115.0	
		Z	1.38	69.04	13.52		115.0	
10404- AAB	CDMA2000 (1xEV-DO, Rev. A)	X	5.23	87.73	21.79	0.00	115.0	± 9.6 %
CEODV:		Y	0.63	61:20	7.58		115.0	
		Z	1.38	69.04	13.52	100000	115.0	L 30000
10406- AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	X	100.00	122.17	30.62	0.00	100.0	19.6%
		Υ	100.00	133.89	33.91		100.0	
		Z	100.00	117,21	27.74		100.0	
10410- AAF	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	X	100.00	133.43	35.33	3.23	80.0	±9.6 %
		Y	100.00	146,48	39.53		80.0	
-200-		Z	100.00	125.14	30.88		80.0	
10415- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	×	1.08	65.43	16.96	0.00	150.0	± 9.6 %
C 62410	The north tecopy was a state of the state of	Y	0.91	62.17	13.76		150.0	
		Z	1.00	63.43	14.99	- apers	150.0	
10416- AAA	IEEE 802.11g WiFi 2.4 GHz (ERP- OFDM, 6 Mbps, 99pc duty cycle)	×	4.61	67,17	16.76	0.00	150.0	±9.6%
		Y	4.23	66.40	16.00		150.0	
		Z	4.44	66.79	16.29		150.0	
10417- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	×	4.61	67.17	16.76	0.00	150.0	± 9.6 %
		Y	4.23	66.40	16.00		150.0	
		Z	4.44	66.79	16.29	Value Control	150.0	CONTRACTOR OF
10418- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	X	4.60	67.36	16.80	0.00	150.0	± 9.6 %
		Y	4.22	66.61	16.06		150.0	
		Z	4,44	66.98	16.33		150.0	
10419- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	х	4.62	67,29	16.79	0.00	150.0	± 9.6 %
		Y	4.24	66.54	16.05		150.0	
		Z	4.46	66.91	16.32		150.0	
10422- AAB	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	X	4.74	67.26	16.78	0.00	150.0	± 9.6 %
		Y	4.35	66.52	16.07		150.0	
		Z	4.57	66.89	16.33	20000	150.0	235
10423- AAB	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	X	4.91	67.58	16.90	0.00	150.0	± 9.6 %
		Y	4.46	66.77	16.15		150.0	
10101		Z	4.71	67.18	16.43		150.0	
10424- AAB	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	X	4.83	67.55	16,88	0.00	150.0	±9.6 %
		Y	4.39	66.71	16.13		150.0	
10425- AAB	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	X	4.64 5.43	67.14 67.78	16.41 16.99	0.00	150.0 150.0	±9.6 %
-Mu	Dr GN)		5.00	00.00	40.44		450.0	
		Z	5.06	66.98	16.41		150.0	
10426-	IEEE 802.11n (HT Greenfield, 90 Mbps.		5.24	67.35	16.56	0.00	150.0	1.0.0.0
AAB	16-QAM)	X	5.44	67.81	17.01	0.00	150.0	± 9.6 %
		Y	5.11	67.18	16.51		150.0	
		Z	5.26	67.42	16.59		150.0	

10427- AAB	IEEE 802,11n (HT Greenfield, 150 Mbps, 64-QAM)	Х	5.44	67.77	16.98	0.00	150.0	± 9.6 %
	7	Y	5.04	66.86	16.34		150.0	
		Z	5.26	67.33	16.54		150.0	
10430- AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	X	4.55	72.49	19.31	0.00	150.0	± 9.6 %
		Y	3.98	71.49	17.70		150.0	
5	Telephone Committee Commit	Z	4.28	71.80	18.47		150.0	
10431-	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	X	4.33	67.96	16.90	0.00	150.0	±9.6%
AAD	ETES DE (OI DIWY, 10 MILE, ESTIN 5.3)	Y	3.80	66.88	15.72	.0.40	150.0	2.0,0 70
_		Z	4.10	67.41	16.26		150.0	
10432-	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	X	4.61	67.68	16.88	0.00	150.0	± 9.6 %
AAC		17	4.46	66.76	40.00		450.0	
		Y	4.15	66.79	16.00		150.0	
10100		Z	4.41	67.23	16.35		150.0	
10433- AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	Х	4.84	67.58	16.90	0.00	150.0	± 9,6 %
		Y	4.41	66.75	16.15		150.0	
		Z	4.66	67.17	16.42		150.0	
10434- AAA	W-CDMA (BS Test Model 1, 64 DPCH)	X	4.80	73.85	19.49	0.00	150.0	± 9.6 %
		Y	3.93	71.70	17.10		150.0	
40.00		Z	4.43	72.85	18.44	100000	150.0	2010000
10435- AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	100.00	133.19	35.22	3.23	80.0	±9.6%
		Y	100.00	146.06	39.34		80.0	
		Z	100.00	124.85	30.74		80.0	
10447- AAD	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	Х	3.69	68.46	16.50	0.00	150.0	±9.6 %
7.5.46		Y	2.96	66.21	14.11		150.0	
		Z	3.39	67.45	15.44		150.0	
10448- AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	X	4.17	67.76	16.78	0.00	150.0	±9.6 %
	Supplie 11 No	Y	3.68	66.67	15.59		150.0	
		Z	3.95	67.20	16.13		150.0	
10449- AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	X	4.42	67.54	16.80	0.00	150.0	±9.6 %
14.16	Supplied 141307	Y	3.99	66.60	15.89		150.0	
		Z	4.23	67.06	16.26		150.0	
10450- AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.61	67.38	16.78	0.00	150.0	±9.6 %
1410	Suppling Titley	Y	4.22	66.51	15.99		150.0	
		Z	4.44	66.95	16.29		150.0	
10451- AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	X	3.63	68.88	16.22	0.00	150.0	±9.6 %
	ACCOUNT OF THE PARTY OF THE PAR	Y	2.71	65.63	13.10		150.0	
-		Z	3.25	67.50	14.92		150.0	
10456- AAB	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc duty cycle)	X	6.28	68.22	17.06	0,00	150.0	±9.6 %
		Y	6.05	67.63	16.65		150.0	
		Z	6.16	67.95	16.74		150.0	
10457- AAA	UMTS-FDD (DC-HSDPA)	X	3.84	65.77	16.49	0.00	150.0	±9.6 %
- 4.4.1		Y	3.62	65.20	15.73		150.0	
		ż	3.74	65.46	16.00		150.0	
10458- AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	X	4.44	73.25	18.96	0.00	150.0	±9.6 %
-1990	Combin	Y	3.15	68.70	14.96		150.0	
		ż	4.01	71.87	17.60		150.0	
10459-	CDMA2000 (1xEV-DO, Rev. B, 3	X	5.23	69.15	18.77	0.00	150.0	± 9.6 %
AAA	carriers)	1000	. 5802775	1983-0-101	58000	9,900	150.0	
		Y	4.68	68.78	17,44	-		
	1	Z	5.01	68.98	18.21	-	150.0	1

Certificate No: EX3-7375_Dec18

Page 26 of 39

10460- AAA	UMTS-FDD (WCDMA, AMR)	X	2.00	84.84	24.51	0.00	150.0	± 9.6 %
		Y	0.71	65.89	13.95		150.0	
Charles and A	FIRE TO STATE OF THE STATE OF T	Z	0.96	70.29	17.20		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	145.46	40.71	3.29	80.0	±9.6%
		Y	100.00	152.33	42.34		80.0	
		Z	100.00	131.21	33.70		80.0	
10462- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2.3,4,7,8,9)	X	100,00	116.29	27.16	3.23	80.0	± 9.6 %
		Y	1.18	68.35	11.90		80.0	
as out on	CALL TO THE PROPERTY OF THE PROPERTY OF	Z	0.87	61.67	8.58		80.0	
10463- AAA	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	109.31	24.00	3.23	80.0	± 9.6 %
		Y	0.48	60.00	7.21		80.0	
		Z	0.74	60.00	7.10		80.0	
10464- AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	100.00	143.32	39.48	3.23	80.0	± 9.6 %
		Y	100.00	149.20	40.60		80.0	
Same.	Table 19 Care Wilson Space 19 Care Land Committee 19	2	100.00	127.41	31.78		80.0	
10465- AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	115.14	26.63	3.23	80.0	± 9.6 %
		Y	0.64	62.86	9.55		80.0	
		Z	0.79	60.86	8.11		80.0	
10466- AAB	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.27	23.54	3.23	80.0	± 9.6 %
1		Y	0.49	60.00	7.14		80.0	
elección (American Service services of the control of the con	Z	0.74	60.00	7.04		80.0	
10467- AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	143.75	39.67	3.23	80.0	± 9.6 %
		Y	100.00	149.95	40.92		80.0	
		Z	100.00	127.85	31.97		80.0	
10468- AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16- QAM, UL Subframe 2,3,4,7,8,9)	×	100.00	115.51	26.79	3.23	0.08	± 9.6 %
		Y	0.73	64.05	10.12		80.0	
		Z	0.81	61.08	8.24		80.0	
10469- AAE	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.31	23.55	3.23	80.0	± 9.6 %
	- 10	Y	0.49	60.00	7.14		80.0	
		Z	0.74	60.00	7.04		80.0	
10470- AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	X	100.00	143.87	39.71	3.23	80.0	± 9.6 %
		Y	100.00	150.09	40.97		80.0	
Carrier 1	War and the second state of the second secon	Z	100.00	127.88	31.97		80.0	
10471- AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	115.41	26.74	3.23	80.0	±9.6%
	Manual Men (Volume)	Y	0.71	63.78	9.99		80.0	
		Z	0.80	61.01	8.19		80.0	111000020
10472- AAE	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.18	23.49	3.23	80.0	± 9.6 %
		Y	0.49	60.00	7.11		80.0	
900000		Z	0.74	60.00	7.02		80.0	
10473- AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	100.00	143.83	39.69	3.23	80.0	± 9.6 %
	- Alternative	Υ	100.00	150.04	40.94	_ =	80.0	
14020		Z	100.00	127.83	31.95		80.0	
10474- AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	115.43	26,75	3.23	80.0	± 9.6 %
		Y	0.70	63.68	9.94		0.08	
		Z	0.80	60.98	8.17		80.0	
10475- AAE	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	108.21	23.50	3.23	80.0	± 9.6 %
		Y	0.48	60.00	7.12		80.0	

10477- AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-	Х	100.00	115,09	26.59	3.23	80.0	± 9.6 %
MAT	QAM, UL Subframe=2,3,4,7,8,9)	Y	0.64	62.78	9.49		80.0	
		Z	0.78	60.78	8.04		80.0	
10478- AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64- QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	108.09	23.44	3.23	80.0	± 9.6 %
		Y	0.48	60.00	7.10		80.0	
		Z	0.74	60.00	7.01		80.0	11 1-21604
10479- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7.8,9)	Х	100.00	134.28	37.66	3.23	80.0	± 9.6 %
100000		Y	100.00	134.96	36.66		80.0	
		Z	10.59	93.44	25.13		80.0	
10480- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	121.12	31.46	3.23	80.0	± 9.6 %
		Y	100.00	117.31	28.30		80.0	
		2	8.05	82.87	19.34	2000	80.0	1
10481- AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	100.00	118,71	30.27	3.23	80.0	±9.6%
2000		Y	100.00	113.05	26.28		80.0	
o tomorrow		Z	4.84	75.86	16.56	-	80.0	
10482- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	16.39	100.29	27.27	2.23	80.0	± 9.6 %
		Y	1.10	61.84	10.40		80.0	
		Z	2.67	72.27	16.65		80.0	100000
10483- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	100.00	120.52	31.43	2.23	80.0	±9.6%
1.01.024		Y	2.05	66.25	12,36		80.0	
		Z	3.08	69.96	14,77		80.0	
10484- AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	47.89	109.67	28.85	2.23	80.0	± 9.6 %
		Y	1.83	64.72	11.64		80.0	
		Z	2.85	68.75	14.27		80.0	
10485- AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	8.21	90.82	25.73	2.23	80.0	± 9.6 %
10025		Y	1.78	67.16	14.70		80.0	
		Z	3.07	74.27	18.73		80.0	
10486- AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.99	78.05	20.50	2.23	80.0	± 9.6 %
		Y	1.71	63.18	11.82		80.0	
		Z	2.83	69.19	15.84		80.0	
10487- AAE	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.75	76.83	20.01	2.23	80.0	± 9.6 %
(0)(0)	CHOS-INTERCOS-RESIONAL INCIDENCE DISCONNECTION CONTROL OF THE CONT	Y	1.72	62.89	11.64		80.0	
		Z	2.81	68.66	15.58		80.0	
10488- AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	×	5.25	81,13	23.07	2.23	80.0	± 9.6 %
		Y	2.33	68.54	16.86		80.0	
		2	3.19	72.50	18.92		80.0	
10489- AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	3.99	72.82	19.69	2.23	80.0	± 9.6 %
LINE COLUMN	Accessed to the contract of th	Y	2.52	66.29	15.56		80.0	
		Z	3.12	68.77	17.19	2722	80.0	1 2 2 2
10490- AAE	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	4.03	72.30	19.46	2.23	80.0	±9.6 %
		Y	2.60	66.20	15.50		80.0	
		Z	3.21	68,58	17,11		80.0	1000
10491- AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	4.68	76.17	21.18	2.23	80.0	±9.6 %
- CHO -	Description of the contract of	Y	2.68	67.75	16.83		80.0	
		Z	3.40	70.71	18.30		80.0	
10492- AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	4.07	70.57	18.95	2.23	80.0	±9.6 %
		Y	2.93	66.01	16.02		80.0	
		Z	3.44	67.84	17,13		80.0	

Certificate No: EX3-7375_Dec18

Page 28 of 39

10493- AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.12	70.28	18.81	2.23	80.0	±9.6%
	Secretary Comments and Comments	Y:	2.99	85,93	15.97		80.0	
1,000,00	HER THE RESIDENCE OF THE PROPERTY OF THE PARTY OF THE PAR	Z	3.51	67.70	17.07		80.0	le session
10494- AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.56	79.35	22.23	2.23	80.0	± 9.6 %
		Y	2.83	68.79	17.22		80.0	
		Z	3.70	72.31	18.84		80.0	
10495- AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.14	71,14	19.23	2.23	80.0	± 9.6 %
		Y	2.95	66.21	16.25		80.0	
	NORTH TO A SECTION TO SECTION TO A CONTROL OF THE C	2	3.47	68.15	17.33	70.00	80.0	
10496- AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.17	70.57	18.99	2.23	80,0	±9.6 %
		Y	3.04	66.09	16.22		80.0	
		Z	3.54	67.89	17.24		0.08	
10497- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	18.91	99.42	25.52	2.23	80.0	± 9.6 %
		Y	0.87	60.00	7.72		80.0	
Section 1	The Mark Control of the Control of t	Z	1.60	65.51	12.43		80.0	-
10498- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	2.93	70.03	14.47	2.23	80.0	± 9.6 %
	1890-1630-000-2000-000-000-000-000-000-000-000-	Y	1.06	60.00	6.46		80.0	
		Z	1.19	60.00	8.40		80.0	
10499- AAA	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	×	2.53	67.90	13.40	2.23	80.0	± 9.6 %
		Y	1.09	60.00	6.29		80.0	
		Z	1.21	60.00	8.23		80.0	
10500- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.08	84.90	24.05	2.23	80.0	± 9.6 %
		Y	2.01	67.91	15.66		80.0	
ured-position	tonica regionalism in account to an	Z	3.06	73.22	18.69		80.0	
10501- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.43	75.51	20.02	2.23	80.0	± 9.6 %
		Y	2.08	64.88	13.49		80.0	
		Z	2.99	69.23	16.45		80.0	
10502- AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.45	75.10	19.78	2.23	80.0	± 9.6 %
		Y	2.11	64.69	13.30		80.0	
W0000-0		Z	3.04	69.04	16.29		80.0	
10503- AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.15	80.81	22.94	2.23	80.0	± 9.6 %
	Ref-Modeling-Workswardor	Y	2.30	68.35	16.75		80.0	
		Z	3.15	72.29	18.82		80.0	
10504- AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	×	3.97	72.71	19.63	2.23	80,0	±9.6 %
		Y	2.50	66.19	15.49		80.0	
V=005-		Z	3.11	68.67	17.13	- 1	80.0	
10505- AAE	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	Х	4.00	72.19	19,40	2.23	80.0	± 9.6 %
	TO THE STREET OF	Y	2.58	66.11	15.44		80.0	
702021		Z	3.19	68.49	17.05		80.0	
10506- AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.50	79.13	22.13	2.23	80.0	± 9.6 %
		Y	2.81	68.67	17.15		80.0	1/2
		Z	3.67	72.16	18.76		80.0	
10507- AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.13	71.07	19.19	2.23	80.0	± 9.6 %
		Y	2.94	66.15	16.21		80.0	

Certificate No: EX3-7375_Dec18 Page 29 of 39

10508~ AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.15	70.49	18.94	2.23	0.08	± 9.6 %
	70.5.75.10.6554	Y	3.03	66.02	16.18		80.0	
		Z	3.53	67.82	17.20		80.0	
10509- AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	5.27	75.46	20.59	2.23	80.0	±9.6 %
THE STATE OF THE S	mine, as one occurrence electricity	Y	3.27	68.09	16.96		80.0	
		Z	4.01	70.80	18.16		80.0	
10510- AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	X	4.50	70.07	18.75	2.23	80.0	± 9.6 %
_	Subitative-2,3,4,1,0,9)	Y	3.42	66.05	16.40		80.0	
		Z	3.92	67.76	17.25		80.0	
10511- AAE	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.52	69.62	18.58	2.23	80.0	±9.6 %
	Subtratific~2,0,4,1,0,0)	Y	3.50	65.94	16.38		80.0	
		z	3.98	67.52	17.18		80.0	
10512- AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	X	6.10	78.88	21.78	2.23	80.0	± 9.6 %
T-V-V	miriz, Gr GN, OC GOORBING-2,0,4,1,0,5)	Y	3.27	68.98	17.21		80.0	
		z	4.20	72.44	18.71		80.0	
10513- AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	X	4.43	70,60	19.00	2.23	80.0	±9.6 %
	Sastano Ejojiji jojoj	Y	3.31	66.10	16.44		80.0	
		Z	3.81	67.97	17.35		80.0	
10514- AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	X	4.40	69.88	18.73	2.23	80.0	±9.6%
		Y	3.37	65.85	16.37		80.0	
		Z	3.84	67.57	17.22		80.0	
10515- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	Х	1.05	65.92	17.22	0.00	150.0	± 9.6 %
		Y	0.87	62.29	13,76		150.0	
eather service		Z	0.96	63.66	15.08		150.0	
10516- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	X	100.00	175.58	49,48	0.00	150.0	± 9.6 %
		Y	0.45	67.25	14.31		150.0	
		Z	0.73	75.28	19.67		150.0	
10517- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	X	1.05	71.62	19.91	0.00	150.0	±9.6 %
		Y	0.69	63.59	13.90		150.0	
		Z	0.82	66.03	15.97		150.0	
10518- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	X	4.60	67.26	16.75	0.00	150.0	± 9.6 %
		Y	4.22	66.51	15.99		150.0	
		Z	4.44	66.88	16.27		150.0	
10519- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	X	4.79	67.48	16.85	0.00	150.0	± 9.6 %
7.00		Y	4.36	66.67	16.08		150.0	
		Z	4.60	67.07	16.37		150.0	
10520- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	×	4.65	67.48	16.80	0.00	150.0	± 9.6 %
		Y	4.21	66.58	15.99		150.0	
		Z	4.46	67.03	16.30		150.0	10000
10521- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	X	4.58	67.49	16.80	0.00	150.0	± 9.6 %
10000	Service Call Wisseria Assetts Call	Y	4.15	66.53	15.95		150.0	
		Z	4.39	67.01	16.28		150.0	
10522- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	×	4.64	67.58	16.89	0.00	150.0	± 9.6 %
Ž=		Y	4.19	66.64	16.04		150.0	
		Z	4.45	67.14	16.38		150.0	1

10523- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	X	4.53	67.47	16.75	0.00	150.0	± 9.6 %
Almee .		Y	4.13	66.69	15.99		150.0	
		Z	4.35	67.06	16.26		150.0	
10524- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	Х	4.58	67.50	16.86	0.00	150.0	± 9.6 %
		Y	4.15	66.63	16.05		150.0	
		Z	4.39	67.07	16.35		150.0	
10525- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	X	4.58	66.55	16.44	0.00	150.0	± 9.6 %
17770631	STATE OF THE STATE	Y	4.19	65.75	15.69		150.0	
		Z	4.41	66.15	15.96	100 100 100	150.0	Toronto and
10526- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	X	4.75	66.93	16.59	0.00	150.0	± 9.6 %
		Y	4.30	65.99	15.79		150.0	
		Z	4.55	66.47	16.09		150.0	
10527- AAB	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	X	4.68	66.91	16.55	0.00	150.0	± 9.6 %
TOWNS:	The contract of the contract o	Y	4.23	65.96	15.73		150.0	
		Z	4.48	66.44	16.04		150.0	Construction of the Constr
10528- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	Х	4.69	66.93	16.57	0.00	150.0	± 9.6 %
		Y	4.25	65.98	15.76		150.0	-
		Z	4.49	66.45	16.07		150.0	
10529- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc duty cycle)	Х	4.69	66.93	16.57	0.00	150.0	± 9.6 %
1000000	11000000017ddooddoo	Y	4.25	65.98	15.76		150.0	
		Z	4.49	66.45	16.07	3.50	150.0	
10531- AAB	IEEE 802,11ac WiFi (20MHz, MCS6, 99pc duty cycle)	Х	4.69	67.05	16.60	0.00	150.0	± 9.6 %
		Y	4.20	65.97	15.72		150.0	
		Z	4.47	66.52	16.06		150.0	
10532- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc duty cycle)	Х	4.55	66.92	16.55	0.00	150.0	± 9.6 %
100.000	585 800 710 80 55 600 5	Y	4.09	65.82	15.65		150.0	
		Z	4.34	66.38	16.00	Towns I	150.0	
10533- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	X	4.71	66.99	16.57	0.00	150.0	± 9.6 %
		Y	4.25	66.06	15.76		150.0	
		Z	4.50	66.52	16.07		150.0	
10534- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc duty cycle)	Х	5.21	66.89	16.54	0.00	150.0	± 9.6 %
000.000	distribution the distribution of the distribut	Y	4.84	66.03	15.91		150.0	
		Z	5.04	66.48	16.11		150.0	
10535- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc duty cycle)	Х	5.28	67.09	16.63	0.00	150.0	± 9.6 %
		Y	4.87	66.14	15.97		150.0	
		Z	5.09	66,65	16.19		150.0	
10536- AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc duty cycle)	X	5.16	67.06	16.60	0.00	150.0	± 9.6 %
	1944 A 1530 A 14 A 154	Y	4.76	66,10	15.92		150.0	
		Z	4.98	66.62	16.16		150.0	
10537- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc duty cycle)	X	5.21	67.01	16.57	0.00	150.0	± 9.6 %
		Y	4.85	66.20	15.97		150.0	
		Z	5.03	66,57	16.13		150.0	
10538- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc duty cycle)	Х	5.30	67.00	16.61	0.00	150.0	± 9.6 %
	THE STATE OF THE S	Y	4.90	66.11	15,97		150.0	
		Z	5.11	66.56	16.17	L Marcoll	150.0	T DEDUCA
10540- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc duty cycle)	X	5.24	67.05	16.65	0.00	150.0	± 9.6 %
		Y	4.82	66.05	15.96		150.0	
		Z	5.04	66.55	16.18		150.0	

10541- AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc duty cycle)	X	5,20	66.89	16.56	0.00	150.0	± 9.6 %
1010	solve and older	Y	4.81	65.97	15.90		150.0	
		Z	5.02	66.45	16.12		150.0	
10542- AAB	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc duty cycle)	X	5.35	66,94	16.59	0.00	150.0	± 9.6 %
910	dobe day of day	Y	4.97	66.09	15.98		150.0	
	Variable of the Control of the Contr	Z	5.17	66.53	16.17		150.0	
10543- AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc duty cycle)	X	5.43	66.96	16.62	0.00	150.0	± 9.6 %
	oupo daty oyouy	Y	5.06	66.27	16.10		150.0	
		Z	5.23	66.54	16.20		150.0	
10544- AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc duty cycle)	Х	5.52	66.95	16.49	0.00	150.0	±9.6%
		Y	5.20	66.08	15.91		150.0	
		Z	5.36	66.56	16.09		150.0	
10545 AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 99pc duty cycle)	X	5.72	67.40	16.66	0.00	150.0	± 9.6 %
		Y	5.40	66.63	16.15		150.0	II.
		Z	5.54	66.98	16.26		150.0	
10546- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc duty cycle)	X	5.59	67.18	16.57	0.00	150.0	± 9.6 %
		Y	5.23	66.20	15.94		150.0	
	The second second	Z	5.41	66.72	16.14	2000000	150.0	
10547- AAB	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc duty cycle)	Х	5.66	67.21	16.57	0,00	150.0	± 9.6 %
2000		Y	5.36	66,48	16.08		150.0	
		Z	5.48	66.78	16.16		150.0	
10548- AAB	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc duty cycle)	×	5.94	68.26	17.07	0.00	150.0	±9.6 %
		Y	5.47	67.02	16.32		150.0	
		Z	5.67	67.55	16.52	40000000	150.0	
10550- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc duty cycle)	X	5.62	67.20	16,59	0.00	150.0	± 9.6 %
100000		Y	5.35	66.61	16.16		150.0	
		Z	5.45	66.81	16.20		150.0	
10551- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc duty cycle)	×	5.62	67.24	16.57	0.00	150.0	±9.6 %
		Y	5.21	66.13	15.88		150.0	
		Z	5.43	66.76	16.13	=0.074.05	150.0	
10552- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc duty cycle)	×	5.53	67.03	16.48	0.00	150.0	± 9.6 %
STATE OF THE PARTY	- Participant Control	Y	5.20	66.19	15.91		150.0	
		Z	5.37	66,65	16.08		150.0	
10553- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc duty cycle)	X	5.61	67.04	16.51	0.00	150.0	± 9.6 %
		Y	5.25	66.13	15.91		150.0	
		Z	5.44	66.64	16.11	S	150.0	-
10554- AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc duty cycle)	X	5.93	67.28	16.55	0.00	150.0	±9.6%
		Y	5.65	66.45	16.01		150.0	
		Z	5.78	66.90	16.17		150.0	
10555- AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc duty cycle)	×	6.06	67.60	16.69	0.00	150.0	± 9.6 %
		Y	5.74	66.68	16.12		150.0	
		Z	5.89	67.17	16.29	-	150.0	
10556- AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc duty cycle)	X	6.08	67,66	16.71	0.00	150.0	± 9.6 %
15.00	19999 (2000) 1990 (100)	Y	5.80	66.87	16.20		150.0	
		Z	5.92	67.24	16.31		150.0	
10557- AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc duty cycle)	X	6.04	67.54	16.67	0.00	150.0	± 9.6 %
		Y	5.72	66.63	16.10		150.0	
		Z	5.87	67.12	16.27		150.0	

Certificate No: EX3-7375_Dec18

Page 32 of 39

10558- AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc duty cycle)	X	6,10	67.72	16.78	0.00	150.0	± 9.6 %
		Y	5.70	66.62	16.11		150.0	
	The state of the s	2	5.91	67.27	16.36		150.0	
10560- AAC	IEEE 802.11ac WIFI (160MHz, MCS6, 99pc duty cycle)	X	6.08	67.54	16.73	0.00	150.0	± 9.6 %
		Y	5.74	66.60	16.14		150.0	
		Z	5.91	67.13	16.33		150.0	
10561- AAC	IEEE 802.11ac WIFI (160MHz, MCS7, 99pc duty cycle)	X	6.01	67.53	16.76	0.00	150.0	± 9.6 %
		Y	5.68	66.60	16.17		150.0	
		Z	5.84	67.11	16.36	, Junior	150.0	1
10562- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc duty cycle)	X	6.14	67.93	16.96	0.00	150.0	± 9.6 %
		Y	5.71	66.71	16.22		150.0	
		Z	5.93	67.38	16.49		150.0	
10563- AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 99pc duty cycle)	X	6.35	68.17	17.03	0.00	150.0	± 9.6 %
	SCALDER HEARING	Y	5.85	66.83	16.25		150.0	
	Toron our would have the recommendation	Z	6.00	67.26	16.39	- Applieda	150.0	- mark
10564- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 99pc duty cycle)	X	4.92	67.26	16.86	0.46	150.0	± 9.6 %
		Y	4.54	66.54	16.15		150.0	
		Z	4.75	66.91	16.40		150.0	
10565- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 99pc duty cycle)	X	5.15	67.70	17.17	0.46	150.0	± 9.6 %
		Y	4.72	66.96	16.48		150.0	
		Z	4.96	67.33	16.72		150.0	
10566- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 18 Mbps, 99pc duty cycle)	Х	4.99	67.58	17.01	0.46	150.0	± 9.6 %
		Y	4.56	66.75	16.26		150.0	
		Z	4.80	67.16	16.53		150.0	
10567- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 99pc duty cycle)	Х	5.02	68.00	17,38	0.46	150.0	±9.6 %
		Y	4.60	67.15	16.65		150.0	
		Z	4.83	67.57	16.90	2200 x 1	150.0	
10568- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 99pc duty cycle)	Х	4.90	67.37	16.79	0.46	150.0	± 9.6 %
		Y	4.44	66.42	15.96		150.0	
		Z	4.71	66.93	16.30		150.0	
10569- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 99pc duty cycle)	Х	4.98	68,11	17.46	0.46	150.0	±9.6 %
	The state of the s	· Y	4.59	67.42	16.81		150.0	
		Z	4.80	67.73	17.00		150.0	
10570- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 99pc duty cycle)	X	5.01	67,93	17.37	0.46	150.0	± 9.6 %
		Y	4.58	67.17	16.68		150.0	
		Z	4.82	67.54	16.91		150.0	
10571- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	X	1.23	66,89	17.96	0.46	130.0	± 9.6 %
		Y	0.97	62.66	14.30		130.0	
7772		Z	1.10	64.30	15.66	2000	130.0	
10572- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	X	1.26	67.79	18.51	0.46	130.0	± 9.6 %
		Y	0.98	63.10	14.60		130.0	
1000		Z	1.11	64.87	16.04		130.0	
10573- AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	X	100.00	170.73	48.57	0.46	130.0	± 9.6 %
		Y	0.77	72.86	17.64		130.0	
		Z	2.32	91.29	25.82		130.0	- voeve
10574- AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	Х	1.80	80,11	24.49	0.46	130.0	± 9.6 %
		Y	0.95	67.17	16.84		130.0	
		Z	1.21	71.01	19.29		130.0	

10575- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 6 Mbps, 90pc duty cycle)	X	4.70	67.06	16.94	0.46	130.0	±9.6 %
		Y	4.31	66.28	16.15		130.0	
		Z	4.53	66.66	16.43		130.0	
10576- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 9 Mbps, 90pc duty cycle)	Х	4.73	67.25	17.02	0.46	130.0	± 9.6 %
200000 -	The state of the s	Y	4.34	66.50	16.24		130.0	
		Z	4.55	66.85	16.51		130.0	
10577- AAA	IEEE 802,11g WiFi 2.4 GHz (DSSS- OFDM, 12 Mbps, 90pc duty cycle)	X	4.93	67.53	17.17	0.46	130.0	± 9.6 %
	51 511, 12 maps, 50ps act, 570to,	Y	4.49	66.73	16.39		130.0	
		Z	4.73	67.10	16.66		130.0	
10578- AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS- OFDM, 18 Mbps, 90pc duty cycle)	X	4.84	67.72	17.30	0.46	130.0	±9.6 %
	The service of the se	Y	4.40	66.86	16.50		130.0	
		Z	4.64	67.26	16.77		130.0	
10579- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 24 Mbps, 90pc duty cycle)	Х	4.60	67.00	16.62	0.46	130.0	± 9.6 %
		Y	4.15	65.97	15.69		130.0	
		Z	4.39	66.48	16.04		130.0	
10580- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 36 Mbps, 90pc duty cycle)	X	4.64	67.04	16.64	0.46	130.0	± 9.6 %
	The second of th	Y	4.17	66.02	15.70		130.0	
- American	The Control of the Co	Z	4.44	66.55	16.08	0.000000	130.0	190000
10581- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 48 Mbps, 90pc duty cycle)	X	4.74	67.80	17.27	0.46	130.0	±9.6%
		Y	4.31	66.95	16.48		130.0	
		Z	4.54	67.32	16.73		130.0	
10582- AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS- OFDM, 54 Mbps, 90pc duty cycle)	X	4.54	66.76	16.41	0.46	130.0	± 9.6 %
		Y	4.07	65.74	15.46		130.0	
	Caramana and a more and a supplier of the contract of the cont	Z	4.33	66.25	15.83		130.0	
10583- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	X	4.70	67.06	16.94	0.46	130.0	± 9.6 %
		Y	4.31	66.28	16.15		130.0	
		Z	4.53	66.66	16.43		130.0	
10584- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	X	4.73	67.25	17,02	0.46	130.0	± 9.6 %
	and the state of t	°Y.	4.34	66.50	16.24		130.0	
lavarina -	Transcription of the control of the	Z	4.55	66.85	16.51		130.0	
10585- AAB	IEEE 802 11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	×	4.93	67.53	17.17	0.46	130.0	± 9.6 %
		Y	4.49	66.73	16.39		130.0	
		Z	4.73	67.10	16,66		130.0	
10586- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	×	4.84	87.72	17.30	0.46	130.0	± 9.6 %
	The state of the s	Y	4.40	66.86	16.50		130.0	
Section 2	AND THE RESERVE OF THE PROPERTY OF THE PARTY	Z	4.64	67.26	16.77	auguer!	130.0	
10587- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	Х	4.60	67,00	16.62	0.46	130.0	± 9.6 %
		Y	4.15	65.97	15.69		130.0	
		Z	4.39	66.48	16.04		130.0	
10588- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	×	4.64	67.04	16.64	0,46	130.0	± 9,6 %
		Y	4.17	66.02	15.70		130.0	
		Z	4.44	66.55	16.08	200000	130.0	100000000
10589- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	×	4.74	67,80	17.27	0.46	130.0	± 9.6 %
		Y	4.31	66.95	16.48		130.0	
		Z	4.54	67.32	16.73		130.0	
10590- AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	×	4.54	66.76	16.41	0.46	130.0	±9.6%
1077000		·Y	4.07	65.74	15.46		130.0	
		1.0						

10591- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc duty cycle)	X	4.85	67.09	17.02	0.46	130.0	± 9.6 %
		Y	4.47	66.40	16.30		130.0	
		2	4.68	66.73	16.54	14.50,12	130.0	
10592- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	×	5.01	67.44	17.15	0.46	130.0	± 9.6 %
		Y	4.58	66.67	16.42		130.0	
		Z	4.82	67.05	16,67		130.0	
10593- AAB	IEEE, 802.11n (HT Mixed, 20MHz, MCS2, 90pc duty cycle)	X	4.93	67.36	17.04	0.46	130.0	±9.6%
- XIOTHE		Y	4.50	66.54	16.27		130.0	
	The state of the s	Z	4.73	66.93	16.53		130.0	
10594- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc duty cycle)	×	4.98	67.53	17.20	0.46	130.0	± 9.6 %
	Land to the state of the state	Y	4.55	66.72	16.44		130.0	
		Z	4.79	67.11	16.70		130.0	
10595- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc duty cycle)	×	4.95	67.49	17.10	0.46	130.0	± 9.6 %
		Y	4.51	66.70	16.35		130.0	
		2	4.76	67.07	16.60		130.0	
10596-	IEEE 802.11n (HT Mixed, 20MHz,	X	4.89	67.51	17.12	0.46	130.0	± 9.6 %
AAB	MCS5, 90pc duty cycle)	Y	4.44	66.64	16.33	0.760.	130.0	18.07
		Z	4.69	67.06		_		_
10597-	JEEE BOOK AND ALTERNATION OF THE				16.60	0.10	130.0	
AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc duty cycle)	×	4.84	67.41	17.00	0.46	130.0	± 9.6 %
		Y	4.39	66.49	16.16		130.0	
	CONTRACTOR OF THE PROPERTY OF	Z	4.64	66.94	16.46		130.0	
10598- AAB	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc duty cycle)	×	4.82	67.66	17,27	0.46	130.0	± 9.6 %
		Y	4.39	66.74	16.45		130.0	
		Z	4.63	67.17	16.73		130.0	
10599- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc duty cycle)	×	5.53	67.60	17.18	0.46	130.0	± 9.6 %
		Y	5.21	67.01	16.68		130.0	
		Z	5.34	67.18	16.73		130.0	
10600- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc duty cycle)	×	5,67	68.05	17.38	0.46	130.0	± 9.6 %
		Y	5.35	67.51	16.91		130.0	
		Z	5.46	67.57	16.90		130.0	_
10601- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc duty cycle)	X	5.55	67.78	17.26	0.46	130.0	± 9.6 %
	The same of the sa	Y	5.23	67.21	16.78		130.0	
		Z	5.36	67.35	16.81		A THE RESIDENCE OF THE PARTY OF	
10602- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc duty cycle)	X	5.65	67.81	17.19	0.46	130.0	± 9.6 %
		Y	5.32	67.26	16.72		130.0	
		Z	5.49	67.52	16.81		130.0	
10603- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS4, 90pc duty cycle)	X	5.73	68.11	17.47	0.46	130.0	± 9.6 %
0.000	The state of the s	Y	5.35	67.43	16.95		130.0	
		Z	5.55	67.77	17.07		130.0	
10604- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS5, 90pc duty cycle)	X	5.53	67.57	17.19	0.46	130.0	± 9.6 %
		Y	5.20	66.91	16.65		130.0	
		Z	5.43	67.43	16.89		130.0	
10605- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS6, 90pc duty cycle)	×	5.65	67.93	17.37	0.46	130.0	± 9.6 %
0.0000	The state of the s	Y	5.29	67.21	16.81		130.0	
		Z	5.46	67.51	16.92		130.0	
10606- AAB	IEEE 802.11n (HT Mixed, 40MHz, MCS7, 90pc duty cycle)	X	5.38	67.22	16.88	0.46	130.0	±9.6 %
		Y	5.10	66.72	16.41		130.0	
					16.41			
		Z	5.21	66.81	16.43		130.0	

10607- AAB	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc duty cycle)	X	4.71	66.50	16.70	0.46	130.0	± 9.6 %
		Y	4.32	65.73	15.94		130.0	
		Z	4.53	66.09	16.19		130.0	
10608- AAB	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc duty cycle)	X	4.90	66.93	16.86	0.46	130.0	± 9.6 %
700		Y	4.44	66.03	16.07		130.0	
		Z	4.69	66.46	16.35		130.0	
10609- AAB	IEEE 802 11ac WiFi (20MHz, MCS2, 90pc duty cycle)	X	4.79	66.79	16.72	0.46	130.0	± 9.6 %
		Y	4.34	65.85	15.88		130.0	
		Z	4.58	66.30	16.18		130.0	
10610- AAB	IEEE 802.11ac WiFi (20MHz, MCS3, 90pc duty cycle)	X	4.84	66.95	16.88	0.46	130.0	± 9.6 %
	3/3/24-34-4/02/04 N.I. A.Z.	Y	4.39	66.03	16.06		130.0	
	Land Allendary Company	Z	4.63	66.46	16.34	2000	130.0	and the second
10611- AAB	IEEE 802.11ac WiFi (20MHz, MCS4, 90pc duty cycle)	X	4.76	66.75	16.73	0.46	130.0	± 9.6 %
		Y	4.30	65.81	15.89		130.0	
		2	4.55	66.26	16.19		130.0	
10612- AAB	IEEE 802.11ac WiFi (20MHz, MCS5, 90pc duty cycle)	×	4.77	66.94	16.79	0.46	130.0	±9.6 %
	SAMUEL CONTROL OF THE PROPERTY	Y	4.28	65.91	15.92		130.0	
		Z	4.55	66.41	16.23	- communit	130.0	vocation of
10613- AAB	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	X	4.77	66.81	16.66	0.46	130.0	± 9.6 %
		Y	4.28	65.72	15.75		130.0	
		Z	4.55	66.25	16.09		130.0	
10614- AAB	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	X	4.72	67.01	16.91	0.46	130.0	± 9.6 %
1 - 100.00		Y	4.26	65.96	16.02		130.0	
		Z	4.50	66.46	16.34	100000000	130.0	
10615- AAB	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	X	4.76	66.59	16.50	0.46	130.0	± 9.6 %
	1 22 - 20 Th 1 1 - 1	Y	4.29	65.63	15.64		130.0	
		Z	4.54	66.09	15.96		130.0	
10616- AAB	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	×	5.36	66.90	16.82	0.46	130.0	± 9.6 %
		Y	4.99	66.07	16.19		130.0	
		Z	5.17	66.46	16.36	_ textions	130.0	
10617- AAB	IEEE 802.11ac WiFi (40MHz, MCS1, 90pc duty cycle)	X	5.43	67.11	16,89	0.46	130.0	± 9.6 %
	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Y	5.02	66.19	16.23		130.0	
		Z	5.24	66.65	16.43		130.0	
10618- AAB	IEEE 802.11ac WiFi (40MHz, MCS2, 90pc duty cycle)	×	5.32	67.12	16.92	0.46	130.0	± 9.6 %
		Y	4.92	66.20	16.25		130.0	
		Z	5.13	66.69	16.46	10000000	130.0	
10619- AAB	IEEE 802.11ac WiFi (40MHz, MCS3, 90pc duty cycle)	X	5.33	66.92	16.76	0.46	130.0	± 9.6 %
		Y	4.99	66.19	16.17		130.0	
****		Z	5.14	66.46	16.28		130.0	
10620- AAB	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc duty cycle)	×	5.42	66.94	16.81	0.46	130.0	± 9.6 %
		Y	5.03	66.09	16.17		130.0	
		Z	5.22	66.48	16.34	-	130.0	
10621- AAB	IEEE 802.11ac WiFi (40MHz, MCS5, 90pc duty cycle)	×	5.42	67.06	16.99	0.46	130.0	± 9.6 %
		Y	5.03	66.17	16.34		130.0	
		Z	5.23	66.63	16.54		130.0	
10622- AAB	IEEE 802.11ac WiFi (40MHz, MCS6, 90pc duty cycle)	X	5.44	67.26	17.08	0.46	130.0	± 9.6 %
		Y	5.02	66.27	16.39		130.0	
		Z	5.24	66.76	16.60		130.0	

10623- AAB	IEEE 802.11ac WiFi (40MHz, MCS7, 90pc duty cycle)	X	5.31	66.76	16.71	0.46	130.0	± 9.6 %
		Y	4.91	65.83	16.02		130.0	
A 5 0 2		Z	5.12	66.29	16.23		130.0	10
10624- AAB	IEEE 802 11ac WiFi (40MHz, MCS8, 90pc duty cycle)	X	5.50	66.93	16.85	0.46	130.0	± 9.6 %
		Y	5.11	66.11	16.23		130.0	
		Z	5.31	66.51	16.40		130.0	
10625- AAB	IEEE 802.11ac WiFi (40MHz, MCS9, 90pc duty cycle)	×	5.88	67.97	17.41	0.46	130.0	±9.6 %
		Y	5.23	66.37	16.43		130.0	
0.000		Z	5.53	67.07	16.73		130.0	
10626- AAB	IEEE 802.11ac WiFi (80MHz, MCS0, 90pc duty cycle)	×	5.65	66.91	16.74	0.46	130.0	±9.6 %
	Towns and the second se	Y	5.33	66.07	16.15		130.0	
		Z	5.49	66.51	16.31		130.0	
10627- AAB	IEEE 802.11ac WiFi (80MHz, MCS1, 90pc duty cycle)	×	5.91	67.53	17.00	0.46	130.0	± 9.6 %
		Y	5.61	66.87	16.53		130.0	
on to and		Z	5.72	67.09	16.57		130.0	
10628- AAB	IEEE 802.11ac WiFi (80MHz, MCS2, 90pc duty cycle)	Х	5.69	67.03	16.70	0.46	130.0	± 9.6 %
		Y	5.32	66.05	16.04		130.0	
		Z	5.50	66.53	16.22		130.0	
10629- AAB	IEEE 802.11ac WIFI (80MHz, MCS3, 90pc duty cycle)	×	5.77	67.08	16.71	0.46	130.0	± 9.6 %
		Y	5.50	66.49	16.26		130.0	
	The state of the s	Z	5.58	66.63	16.26		130.0	
10630- AAB	IEEE 802,11ac WiFi (80MHz, MCS4, 90pc duty cycle)	Х	6.26	68.76	17.55	0.46	130.0	±9.6%
1.5-3-		Y	5.69	67.28	16.66		130.0	
		Z	5.90	67.81	16.86		130.0	
10631- AAB	IEEE 802.11ac WiFi (80MHz, MCS5, 90pc duty cycle)	×	6.12	68.44	17,58	0.46	130.0	± 9.6 %
		Y	5.63	67.20	16.82		130.0	
	A DESCRIPTION OF THE PROPERTY	Z	5.85	67.76	17.02		130.0	
10632- AAB	IEEE 802.11ac WiFi (80MHz, MCS6, 90pc duty cycle)	X	5.87	67.57	17.16	0.46	130.0	± 9.6 %
		Y	5.65	67.18	16.83		130.0	
		Z	5.70	67.19	16.76		130.0	
10633- AAB	IEEE 802.11ac WiFi (80MHz, MCS7, 90pc duty cycle)	×	5.75	67.18	16.80	0.46	130.0	± 9.6 %
		Y	5.33	66.09	16.10		130.0	
00-0-0-20-5	Grant Constant Constant Constant	Z	5.57	66.75	16.36		130.0	
10634- AAB	IEEE 802.11ac WiFi (80MHz, MCS8, 90pc duty cycle)	Х	5.73	67.21	16.87	0.46	130.0	± 9.6 %
	NOVER STATES OF STATES	Y	5.37	66.31	16.26		130.0	
		Z	5.55	66.77	16.43		130.0	
10635- AAB	IEEE 802.11ac WiFi (80MHz, MCS9, 90pc duty cycle)	×	5.61	66,53	16.27	0.46	130.0	± 9.6 %
		Y	5.23	65.54	15.59		130.0	
2000000-	A CONTRACTOR OF THE PARTY OF TH	Z	5.42	66.06	15.81		130.0	
10636- AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 90pc duty cycle)	Х	6.07	67.26	16.80	0.46	130.0	± 9.6 %
	parameter American Dec	Y	5.79	66.47	16.27		130.0	
		Z	5.92	66.87	16.40		130.0	
10637- AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 90pc duty cycle)	X	6.23	67.67	16.99	0.46	130.0	± 9.6 %
		Y	5,92	66.81	16.43		130.0	
	Participation of the second se	Z	6.05	67.23	16.56		130.0	
10638- AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 90pc duty cycle)	X	6.23	67.64	16.95	0.46	130.0	±9.6 %
	10-110-0-140-200-1-	Y	5.96	66.91	16.46		130.0	

Certificate No: EX3-7375_Dec18 Page 37 of 39

EX3DV4-- SN:7375

December 13, 2018

10639- AAC	IEEE 802 11ac WiFi (160MHz, MCS3, 90pc duty cycle)	×	6.21	67.58	16.96	0.46	130.0	± 9.6 %
		Y	5.88	66.69	16.39		130.0	
300-000	Control of the contro	Z	6.03	67.14	16.54		130.0	
10640- AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 90pc duty cycle)	×	6.21	67.60	16.92	0.46	130.0	± 9.6 %
	The state of the s	Y	5.81	66.50	16.23		130.0	
		Z	6.02	67.13	16.48		130.0	
10641- AAC	IEEE 802.11ac WiFi (160MHz, MCS5, 90pc duty cycle)	×	6.26	67.49	16.88	0.46	130.0	± 9.6 %
		Y	5.97	66,77	16.39		130.0	
40040	The second secon	Z	6.09	67.10	16.48		130.0	
10642- AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 90pc duty cycle)	X	6.29	67.73	17.16	0.46	130.0	± 9.6 %
		Y	5.95	66.83	16.60		130.0	
10643-	JEEC 900 44 - WIEL GOOD IN THE SECOND	Z	6.12	67.32	16.75		130.0	
AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 90pc duty cycle)	×	6.13	67.44	16.92	0.46	130.0	±9.6 %
		Y	5.81	66.54	16.33		130.0	
10041	IEEE 000 44 MCC	Z	5.96	67.02	16.50		130.0	
10644- AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc duty cycle)	X	6.30	67.96	17.20	0.46	130.0	± 9.6 %
_		Y	5.84	66.66	16.41		130.0	
10645-	IEEE 000 44 - WEE (400 W)	Z	6.06	67.34	16.68		130.0	
AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 90pc duty cycle)	X	6.64	68.55	17.45	0.46	130.0	± 9.6 %
		Y	6.03	66.94	16.52		130.0	
10646- AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	X	57.48	67.35 146.10	16.65 49.99	9.30	130.0	± 9.6 %
-100	Grote de dobtame-2,7)	Y	4.70	04.00	70.70			
		Z	4.72	84.89	30.72		60.0	
10647- AAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	X	12.01 38.82	136,91	36.81 47.78	9.30	60.0	± 9.6 %
		Y	4.25	82.62	29.91		60.0	-
		Z	9.95	100.92	35.66		60.0	
10648- AAA	CDMA2000 (1x Advanced)	X	1.29	73.02	15.88	0.00	150.0	± 9.6 %
ACTIVATE		Y	0.37	60.00	5.92		150.0	
		Z	0.60	63.17	9.90		150.0	
10652- AAD	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	X	3.78	68.49	17.89	2.23	80.0	±9.6 %
		Y	2.93	65.29	15.35		80.0	
		Z	3.35	66.65	16.43		80.0	
10653- AAD	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	X	4.18	67.03	17.56	2.23	80.0	± 9.6 %
		Y	3.53	64.87	15.90		80.0	
		Z	3.86	65.85	16.55		80.0	
10654- AAD	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	X	4,13	66.54	17,49	2.23	80.0	± 9.6 %
		Y	3.57	64.50	15.97		80.0	
40055		Z	3.86	65.45	16.55		80.0	115-1-15-15-15
10655- AAE	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	X	4.18	66.49	17.50	2.23	80.0	±9.6 %
		Y	3.66	64.42	16.03		80.0	
*OOEC	51	Z	3.92	65.40	16.58		80.0	
10658- AAA	Pulse Waveform (200Hz, 10%)	X	100.00	111.76	26.06	10.00	50.0	± 9.6 %
		Y	3.37	68.78	11,57		50.0	
10000	B. I. III	Z	25.16	91.00	19.47		50.0	
10659- AAA	Pulse Waveform (200Hz, 20%)	×	100.00	115.13	26.48	6.99	60.0	±9.6 %
		Y	1.83	66.81	9.62		60.0	
		Z	100.00	104.60	21.50		60.0	

Certificate No: EX3-7375_Dec18

Page 38 of 39

EX3DV4-SN:7375

December 13, 2018

10660- AAA	Pulse Waveform (200Hz, 40%)	X	100.00	129,28	31.07	3.98	80.0	±9.6%
		Y	0.39	60.07	5.04		80.0	
		Z	100.00	105.54	20.62		80.0	
10661- AAA	Pulse Waveform (200Hz, 60%)	X	100.00	168,20	45.08	2.22	100.0	± 9.6 %
		Y	0.23	60.00	3.29		100.0	
takabanyan	COMPANY OF STREET	Z	100.00	106.69	19.98	0000	100.0	11-20-00
10662- AAA	Pulse Waveform (200Hz, 80%)	X	100.00	422.37	135.84	0.97	120.0	± 9.6 %
		Y	0.02	113.24	6.85		120.0	
		Z	100.00	91.28	12.79		120.0	
10670- AAA	Bluetooth Low Energy	X	100.00	162.98	43.70	2.19	100.0	± 9.6 %
		Y	0.19	60.00	4.21		100.0	
		Z	100.00	120.82	25.98		100.0	

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