

Rev: 01

Page: 1 of 29

## **Appendix B - DAE & Probe Calibration Certificate**

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





Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura

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Accreditation No.: SCS 0108

CALIBRATION (	CERTIFICATE		
Object	DAE4 - SD 000 D	04 BO - SN: 1665	
Calibration procedure(s)	QA CAL-06.v30 Calibration proceed	dure for the data acquisition elec	tronics (DAE)
Calibration date:	March 01, 2021		
The measurements and the unce	rtainties with confidence pro	bability are given on the following pages an	d are part of the certificate.
Calibration Equipment used (M&		facility: environment temperature (22 ± 3)°C  Cal Date (Certificate No.)	
Calibration Equipment used (M&	TE critical for calibration)	facility: environment temperature (22 ± 3)°C  Cal Date (Certificate No.)  07-Sep-20 (No:28647)	Scheduled Calibration Sep-21
Calibration Equipment used (M& Primary Standards Keithley Multimeter Type 2001	TE critical for calibration)  ID #  SN: 0810278	Cal Date (Certificate No.) 07-Sep-20 (No:28647)	Scheduled Calibration Sep-21
Calibration Equipment used (M&	ID # SN: 0810278 ID # SE UWS 053 AA 1001	Cal Date (Certificate No.) 07-Sep-20 (No:28647) Check Date (in house)	Scheduled Calibration
Calibration Equipment used (M& Primary Standards Keithley Multimeter Type 2001 Secondary Standards Auto DAE Calibration Unit Calibrator Box V2,1	TE critical for calibration)    ID #     SN: 0810278     ID #     SE UWS 053 AA 1001     SE UMS 006 AA 1002     Name	Cal Date (Certificate No.) 07-Sep-20 (No:28647) Check Date (in house) 07-Jan-21 (in house check) 07-Jan-21 (in house check)	Scheduled Calibration Sep-21 Scheduled Check In house check: Jan-22
Calibration Equipment used (M& Primary Standards Keithley Multimeter Type 2001 Secondary Standards Auto DAE Calibration Unit	TE critical for calibration)    ID #     SN: 0810278     ID #     SE UWS 053 AA 1001     SE UMS 006 AA 1002	Cal Date (Certificate No.) 07-Sep-20 (No:28647) Check Date (in house) 07-Jan-21 (in house check) 07-Jan-21 (in house check)	Scheduled Calibration Sep-21 Scheduled Check In house check: Jan-22 In house check: Jan-22
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Certificate No: DAE4-1665\_Mar21

Page 1 of 5

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Rev: 01

Page: 2 of 29

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Glossary

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

Certificate No: DAE4-1665 Mar21

Page 2 of 5

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Rev: 01

Page: 3 of 29

#### DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB = 6.1μV , full range = -100...+300 mV Low Range: 1LSB = 61nV , full range = -1......+3mV DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	X	Υ	Z
High Range	404.502 ± 0.02% (k=2)	404.818 ± 0.02% (k=2)	404.763 ± 0.02% (k=2)
Low Range	3.97893 ± 1.50% (k=2)	4.00708 ± 1.50% (k=2)	3.97737 ± 1.50% (k=2)

#### Connector Angle

Connector Angle to be used in DASY system	68.5 ° ± 1 °

Certificate No: DAE4-1665\_Mar21

Page 3 of 5

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Rev: 01

Page: 4 of 29

#### Appendix (Additional assessments outside the scope of SCS0108)

#### 1. DC Voltage Linearity

High Range	Reading (µV)	Difference (μV)	Error (%)
Channel X + Input	199989.64	-1.90	-0.00
Channel X + Input	20001.91	0,52	0.00
Channel X - Input	-19999.87	1.77	-0.01
Channel Y + Input	199990.64	-0.90	-0.00
Channel Y + Input	19999.85	-1.50	-0.01
Channel Y - Input	-20003.55	-1.93	0.01
Channel Z + Input	199993.26	1,72	0.00
Channel Z + Input	19998.83	-2.48	-0.01
Channel Z - Input	-20003.66	-2.00	0.01

Low Range	Reading (μV)	Difference (µV)	Error (%)
Channel X + Input	2000.58	-0.17	-0.01
Channel X + Input	201.86	0.70	0.35
Channel X - Input	-198.61	0,13	-0.07
Channel Y + Input	2000.35	-0.48	-0.02
Channel Y + Input	200.34	-0.78	-0.39
Channel Y - Input	-200.76	-2.00	1.00
Channel Z + Input	2000.19	-0.54	-0.03
Channel Z + Input	199.96	-1,10	-0.55
Channel Z - Input	-199.80	-0.91	0.46

#### 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	-1.73	-3.63
	- 200	5.50	3.14
Channel Y	200	-0.28	0.20
	- 200	-2.79	-3.02
Channel Z	200	-14.37	-14.41
	- 200	13.41	13.00

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	- 1	0.59	-2,26
Channel Y	200	4.96		2.08
Channel Z	200	8.67	2.37	-

Certificate No: DAE4-1665 Mar21

Page 4 of 5

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Rev: 01

Page: 5 of 29

#### 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	16090	15445
Channel Y	16165	16597
Channel Z	16319	16701

#### 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	-0.30	-1.90	1.08	0.48
Channel Y	-1.12	-2.27	0.05	0.45
Channel Z	-0.69	-1.94	0.93	0.43

#### 6. Input Offset Current

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

7. Input Resistance (Typical values for information)

	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

Certificate No: DAE4-1665 Mar21

Page 5 of 5

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Rev: 01

Page: 6 of 29

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Auden

Cartificate No: EX3-7375\_Dec21

### CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:7375

Calibration procedure(s)

QA CAL-01.v9, QA CAL-14.v6, QA CAL-23.v5, QA CAL-25.v7

Calibration procedure for dosimetric E-field probes

Calibration date:

December 20, 2021

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 Dale (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	09-Apr-21 (No. 217-03291/03292)	Apr-22
Power sensor NRP-Z91	SN: 103244	09-Apr-21 (No. 217-03291)	Apr-22
Power sensor NRP-Z91	SN: 103245	09-Apr-21 (No. 217-03292)	Apr-22
Reference 20 dB Attenuator	SN: CC2552 (20x)	09-Apr-21 (No. 217-03343)	Apr-22
DAE4	SN: 660	23-Dec-20 (No. DAE4-660_Dec20)	Dec-21
Reference Probe ES3DV2	SN: 3013	30-Dec-20 (No. ES3-3013_Dec20)	Dec-21
Secondary Standards	ID:	Check Date (in house)	Scheduled Check
Power meter E4419B	SN GB41293874	06-Apr-16 (in house check Jun-20)	in house check: Jun-22
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-20)	In house check, Jun-22
Power sensor E4412A	SN 000110210	05-Apr-16 (in house check Jun-20)	In house check: Jun-22
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-20)	In house check: Jun-22
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-20)	in house check: Oct-22

Signature Function Leff Klysner Laboratory Technician Calibrated by Niets Kuster Quality Manager Approved by This calibration certificate shall not be reproduced except in full without written approval of the laboratory

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Page 1 of 24

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Page: 7 of 29

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Glossary:

TSL lissue simulating liquid NORMx.y.2 sensitivity in free space convF sensitivity in TSL / NORMx.y.z. diode compression point

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

Polarization # profation around probe axis

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

i.e., 8 = 0 is normal to probe axis

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

#### Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices -Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) 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 8 = 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 E<sup>z</sup>-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 fur 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 NORMs (no uncertainty required).

Certificate No: EX3-7375 Deg21

Page 2 of 24

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Rev: 01

Page: 8 of 29

December 20, 2021 EX3DV4 - SN:7375

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

#### **Rasic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (µV/(V/m) <sup>2</sup> ) <sup>A</sup>	0.50	0.43	0.46	± 10.1 %
DCP (mV) <sup>B</sup>	94.9	97.7	97.8	

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	WR mV	Max dev.	Max Unc <sup>E</sup> (k=2)
0	CW	X	0.00	0.00	1.00	0.00	135.9	± 3.0 %	± 4.7 %
		Y	0.00	0.00	1.00		145.2		
		Z	0.00	0.00	1.00		147.0		
10352-	Pulse Waveform (200Hz, 10%)	X	20.00	88.32	18.63	10.00	60.0	± 3.0 %	± 9.6 %
AAA	, 5100 11 510101111 (220111)	Y	1.65	61.79	7.39		60.0		
		Z	16.48	85.69	17.74		60.0		
10353-	Pulse Waveform (200Hz, 20%)	X	20.00	92.39	19.32	6.99	80.0	± 2.7 %	± 9.6 %
AAA	, , , , , , , , , , , , , , , , , , , ,	Y	0.78	60.00	5.38		80.0		
		Z	20.00	88.77	17.41		80.0		
10354-	Pulse Waveform (200Hz, 40%)	X	2.26	160.00	63.92	3.98	95.0	± 2.4 %	± 9.6 %
AAA		Y	8.00	70.00	7.00		95.0		
		Z	20.00	90.03	16.40		95.0		
10355-	Pulse Waveform (200Hz, 60%)	X	0.06	60.00	100.00	2.22	120.0	± 2.5 %	± 9.6 %
AAA	, , , , , , , , , , , , , , , , , , , ,	Y	0.30	60.00	2.95		120.0		
		Z	20.00	85.35	13.00		120.0		
10387-	QPSK Waveform, 1 MHz	X	6.25	93.19	27.13	1.00	150.0	± 3.7 %	± 9.6 %
AAA		Y	1.64	68.49	15.60		150.0		
		Z	1.56	66.31	14.74		150.0		
10388-	QPSK Waveform, 10 MHz	X	6.67	89.96	25.82	0.00	150.0	± 3.4 %	± 9.6 %
AAA		Y	2.13	68.49	16.15		150.0		
		Z	2.10	67.70	15.56	1	150.0		
10396-	64-QAM Waveform, 100 kHz	X	4.21	81.73	25.89	3.01	150.0	± 3.2 %	± 9.6 %
AAA		Y	1.74	65.29	17.75	1	150.0		
		Z	2.79	70.91	19.23	1	150.0		
10399-	64-QAM Waveform, 40 MHz	X	4.25	71.84	18.94	0.00	150.0 ± 3.	± 3.6 %	± 9.6 %
AAA		Y	3.42	67.17	15.96				
		Z	3.41	66.91	15.69		150.0		
10414-	WLAN CCDF, 64-QAM, 40MHz	X	5.20	67.54	17.21	0.00	150.0	± 4.3 %	± 9.6 %
AAA		Y	4.68	65.70	15.71		150.0		
		Z	4.74	65.50	15.51		150.0		

Note: For details on UID parameters see Appendix

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

Certificate No: EX3-7375\_Dec21 Page 3 of 24

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The uncertainties of Norm X,Y,Z do not affect the E<sup>2</sup>-field uncertainty inside TSL (see Pages 5, 6 and 7).

Numerical linearization parameter: uncertainty not required.

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



Rev: 01

Page: 9 of 29

EX3DV4- SN:7375

December 20, 2021

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

#### Sensor Model Parameters

	C1 fF	C2 fF	α V-1	T1 ms.V <sup>-2</sup>	T2 ms.V <sup>-1</sup>	T3 ms	T4 V <sup>-2</sup>	T5 V <sup>-1</sup>	Т6
X	45.2	349.61	38.68	8.25	0.18	5.10	0.00	0.40	1.02
Y	32.3	246.82	37.12	3.79	0.00	4.96	0.00	0.00	1.01
Z	40.2	304.63	36.50	5.70	0.09	5.06	1.19	0.18	1.01

#### Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle (°)	-160.9
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

Note: Measurement distance from surface can be increased to 3-4 mm for an Area Scan job.

Certificate No: EX3-7375\_Dec21

Page 4 of 24

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Rev: 01

Page: 10 of 29

December 20, 2021 EX3DV4- SN:7375

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

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

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	41.9	0.89	10.11	10.11	10.11	0.58	0.89	± 12.0 %
835	41.5	0.90	9.85	9.85	9.85	0.60	0.80	± 12.0 %
900	41.5	0.97	9.72	9.72	9.72	0.56	0.80	± 12.0 %
1450	40.5	1.20	8.72	8.72	8.72	0.45	0.80	± 12.0 %
1750	40.1	1.37	8.52	8.52	8.52	0.32	0.86	± 12.0 %
1900	40.0	1.40	8.33	8.33	8.33	0.33	0.86	± 12.0 %
2000	40.0	1.40	8.23	8.23	8.23	0.38	0.86	± 12.0 %
2300	39.5	1.67	7.81	7.81	7.81	0.29	0.90	± 12.0 %
2450	39.2	1.80	7.52	7.52	7.52	0.37	0.90	± 12.0 %
2600	39.0	1.96	7.44	7.44	7.44	0.41	0.90	± 12.0 %
3300	38.2	2.71	7.02	7.02	7.02	0.35	1.30	± 13.1 %
3500	37.9	2.91	6.95	6.95	6.95	0.35	1.30	± 13.1 %
3700	37.7	3.12	6.90	6.90	6.90	0.35	1.30	± 13.1 %
3900	37.5	3.32	6.56	6.56	6.56	0.40	1.60	± 13.1 %
4100	37.2	3.53	6.23	6.23	6.23	0.40	1.60	± 13.1 %
4200	37.1	3.63	6.20	6.20	6.20	0.40	1.60	± 13.1 %
4400	36.9	3.84	6.10	6.10	6.10	0.40	1.70	± 13.1 9
4600	36.7	4.04	6.09	6.09	6.09	0.40	1.70	± 13.1 %
4800	36.4	4.25	6.05	6.05	6.05	0.40	1.70	± 13.1 %
4950	36.3	4.40	5.75	5.75	5.75	0.40	1.80	± 13.1 %
5250	35.9	4.71	5.25	5.25	5.25	0.40	1.80	± 13.1 9
5600	35.5	5.07	4.56	4.56	4.56	0.40	1.80	± 13.1 9
5750	35.4	5.22	4.75	4.75	4.75	0.40	1.80	± 13.1 9

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

\*At frequencies below 3 GHz, the validity of tissue parameters (c and c) 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 (c and c) 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.

Certificate No: EX3-7375\_Dec21

Page 5 of 24

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Rev: 01

Page: 11 of 29

December 20, 2021 EX3DV4- SN:7375

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

### Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
750	55.5	0.96	10.41	10.41	10.41	0.51	0.80	± 12.0 %
835	55.2	0.97	10.03	10.03	10.03	0.29	1.09	± 12.0 %
900	55.0	1.05	9.95	9.95	9.95	0.36	0.98	± 12.0 %
1450	54.0	1.30	8.82	8.82	8.82	0.41	0.80	± 12.0 %
1750	53.4	1.49	8.54	8.54	8.54	0.44	0.86	± 12.0 %
1900	53.3	1.52	8.35	8.35	8.35	0.36	0.86	± 12.0 %
2000	53.3	1.52	8.00	8.00	8.00	0.35	0.86	± 12.0 %
2300	52.9	1.81	7.77	7.77	7.77	0.51	0.90	± 12.0 %
2450	52.7	1.95	7.61	7.61	7.61	0.51	0.90	± 12.0 %
2600	52.5	2.16	7.44	7.44	7.44	0.46	0.90	± 12.0 %
3300	51.6	3.08	6.97	6.97	6.97	0.40	1.30	± 13.1 9
3500	51.3	3.31	6.90	6.90	6.90	0.40	1.30	± 13.1 9
3700	51.0	3.55	6.60	6.60	6.60	0.40	1.30	± 13.1 %
3900	50.8	3.78	6.40	6.40	6.40	0.40	1.70	± 13.1 9
4100	50.5	4.01	6.15	6.15	6.15	0.40	1.70	± 13.1 9
4200	50.4	4.13	6.00	6.00	6.00	0.40	1.80	± 13.1 9
4400	50.1	4.37	5.94	5.94	5.94	0.40	1.80	± 13.1 9
4600	49.8	4.60	5.88	5.88	5.88	0.50	1.90	± 13.1 9
4800	49.6	4.83	5.60	5.60	5.60	0.50	1.90	± 13.1 9
4950	49.4	5.01	5.07	5.07	5.07	0.50	1.90	± 13.1 9
5250	48.9	5.36	4.65	4.65	4.65	0.50	1.90	± 13.1 °
5600	48.5	5.77	4.03	4.03	4.03	0.50	1.90	± 13.1
5750	48.3	5.94	4.19	4.19	4.19	0.50	1.90	± 13.1

<sup>&</sup>lt;sup>©</sup> 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 ± 10.5, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4-9 MHz, and ConvF assessed at 13 MHz is 9-19 MHz. Above 5 GHz frequency validity can be extended to ± 110 MHz.

\*\*At frequencies below 3 GHz, the validity of tissue parameters (a and a) 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 (a and a) is restricted to ± 5%. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.

\*\*AphshDepth 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 3-8 GHz at any distance larger than half the probe tip diameter from the boundary.

Certificate No: EX3-7375\_Dec21

Page 6 of 24

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Rev: 01

Page: 12 of 29

December 20, 2021 EX3DV4- SN:7375

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

## Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>f</sup>	Conductivity (S/m) <sup>F</sup>	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k=2)
6500	34.5	6.07	5.50	5.50	5.50	0.20	2.50	± 18.6 %
7000	33.9	6.65	5.45	5.45	5.45	0.25	2.50	± 18.6 %
8000	32.7	7.84	5.40	5.40	5.40	0.50	1.80	± 18.6 %
9000	31.5	9.08	5.35	5.35	5.35	0.50	1.80	± 18.6 %

Certificate No: EX3-7375\_Dec21 Page 7 of 24

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<sup>&</sup>lt;sup>C</sup> Frequency validity above 6GHz is ± 700 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.
<sup>5</sup> At frequencies 6-10 GHz, the validity of tissue parameters (e and e) can be relaxed to ± 10% if liquid compensation formula is applied to measured SAR values. The uncertainty is the RSS of the ConvF uncertainty for indicated target tissue parameters.
<sup>6</sup> Alphal 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; below ± 2% for frequencies between 3-6 GHz; and below ± 4% for frequencies between 6-10 GHz at any distance larger than half the probe tip diameter from the boundary.

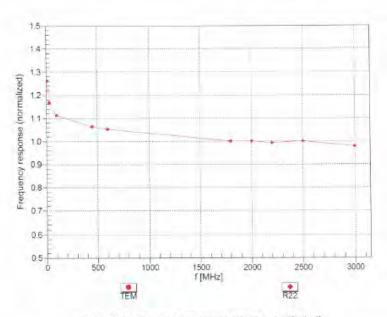


Rev: 01

Page: 13 of 29

December 20, 2021 EX3DV4- SN:7375

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



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

Certificate No: EX3-7375\_Dec21

Page 8 of 24

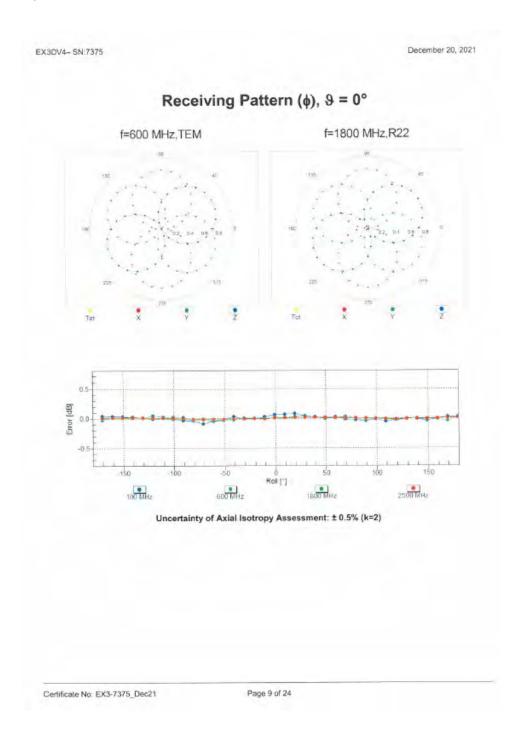
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Rev: 01

Page: 14 of 29



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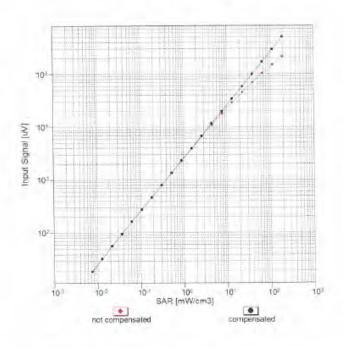


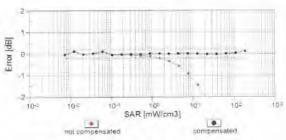
Rev: 01

Page: 15 of 29

December 20, 2021 EX3DV4-SN:7375

# Dynamic Range f(SAR<sub>head</sub>) (TEM cell , f<sub>eval</sub>= 1900 MHz)





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

Certificate No: EX3-7375\_Dec21

Page 10 of 24

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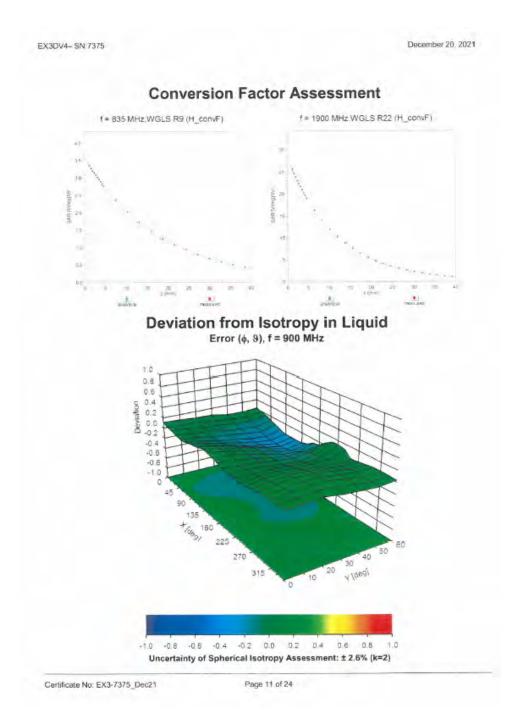
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Rev: 01

Page: 16 of 29



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Rev: 01

Page: 17 of 29

December 20, 2021 EX3DV4-SN:7375

ID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>c</sup> (k=2)
0	-	CW	CW	0.00	± 4.7 %
10010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
10011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 9
10049	_	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	± 9.6 9
10045		UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	± 9.6 %
10058	-	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	± 9.6 %
10059	_	IEEE 802,11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	± 9.6 %
10060	_	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	± 9.6 %
10061	_	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	± 9.6 9
10062		IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	± 9.6 9
10062		IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	± 9.6 9
10064	_	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	± 9.6 9
10065		IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	± 9.6 9
10066		IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	± 9.6 9
10067	_	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	± 9.6 °
10068		IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	± 9.6 °
10069		IEEE 802.11a/n WIFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	± 9.6 °
10071		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	± 9.6 °
10072	_	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	± 9.6 °
10073	_	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	± 9.6
10074	_	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	± 9.6
10074	-	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	± 9.6
10076		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	± 9.6
10077		IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	± 9.6
10077	_	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6
10082	_	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	± 9.6
10002	_	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	± 9.6
10090		UMTS-FDD (HSDPA)	WCDMA	3.98	± 9.6
10097		UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	± 9.6
10099		EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6

Page 12 of 24 Certificate No: EX3-7375 Dec21

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Rev: 01

Page: 18 of 29

0100	CAE	LTE-FDD (SC-FDMA, 100% RB. 20 MHz, QPSK)	LTE-FDD	5.67	±98%
10101	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	19.69
0102	CAE	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 84-QAM)	LTE-FDD	6.60	± 9.6 %
0103	CAG	LTE TDD (SC FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
10104	CAG	LTE TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6%
10105	CAG	LTE-TOD (SC-FDMA, 100% RB, 20 MHz, 54-DAM)	LTE-TDO	10.01	196%
10108	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDO	5.80	±9.6.9
10109	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±961
10110	CAG	LTE-FDD (SG-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FOO	5.75	1967
10111	CAG	LTE-FD0 (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FD0	6,59	±9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FD0	6.62	1981
10114	CAD	IEEE 802 1 to (HT Greenfield, 13 5 Maps, BPSK)	WLAN	8.10	±9.63
10115	CAD	IEEE 802.11n (HT Greenfield, 91 Mbps. 16-QAM)	WLAN	8.46	±9.6%
And the latest the lat	CAD	IEEE 802.1 In (HT Greenlield, 135 Mbys, 64-QAM)	WLAN	8.15	±9.6 %
10117	CAD	IEEE 802,11n (HT Mixed, 13.5 Minps, SPSK)	WLAN	B.07	±9.69
10118	CAD	IEEE 802 11n (HT Mixed, B1 Mbps, 16-QAM)	WLAN	8.59	±9.69
10119	CAD	IEEE 802 11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	± 9,6 5
10140	CAE	LTE-FDD (SC-FDMA: 100% RB: 15 NMz; 18-QAM)	LTE-FOO	5.49	+969
10141	CAE	LTE-FOD (SC-FDMA 100% RB, 15 MHz 64-QAM)	LTE-FDD	6.53	±963
10142	CAE	LTE-FDD (SG-FDMA, 100% RB, 3 MHz. QPSK)	LTE-FDD	5.73	£9.67
10143	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FOD	6.35	± 9.6.°
10144	CAE	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 5
10145	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76.	± 9:6 °
10146	CAF	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±96
10147	CAF	LTE-FDD (SC-FDMA: 100% RB: 1.4 MHz: 64-QAM)	LTE-FDD	6.72	± 9.6 9
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9,6.4
10150	CAE	LTE FDD (SC-FDMA, 50% RB, 20 MHz, 84-QAM)	LTE-FDD	6.60	±9.61
10151	CAG	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, GPSK)	LTE-TDD	9.26	± 9.61
10152	CÁG	LTE-TOD (SC-FOMA, 50% RB, 20 MHz, 16-QAM)	LTE-TOD	9.92	±96
10153	CAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TOD	10.05	1.9.6
10154	CAG	LTE-FDD (SC-FDMA 50% RB. 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6.0
10155	CAG	LTE FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±98
10156	CAG	LTE-PDD (BC-FDMA, 50% RB, 5 MHz, OPSK)	LTE-FDD	5.79	19.6
10157	CAG	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FOD	6.49	±9.65
10158	CAG	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	196
10159	CAG	LTE-FDD (SC-FDMA 50% RB, 5 MHz, 54-DAM)	I.TE-FDD	6.56	£9.6
10160	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6
10161	CAE	LTE-FDD (SC-FDMA, 50% RB. 15 MHz, 16-QAM)	LTE-FDD	6.43	19.6
10162	CAE	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 54-DAM)	LTE-FDD	6.58	±9.6
10166	-	LTE-FDD (SC-FDMA 50% RB, 1.4 MHz, QPSK)	L7E-FDD	5.46	± 9.6
10167	CAF	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	± 9.6
10168		LTE-FDD (SC-FDMA, 50% RB, 1,4 MHz, 64-QAM)	LTE-FDD	6.79	± 59.6
10169	CAE	LTE FDD (SC-FDMA, 1 RB 20 MHz, QPSK)	LTE-FOD	5.73	±.9,6
10170	Acres 100	LTE-FOD (SC-FDMA, 1 RB, 20 MHz, 16-GAM)	LTE-FDD	6.52	±9,6
10171	AAE	LTE-FDD ISC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±96
10172	The second	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173		LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TOD	9.48	± 9.6
10174		LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175		LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±96
10176	-	LTE FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±95
10177	A CONTRACTOR OF THE PARTY OF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	L7E-FDD	5.73	±9.6
10178	-	LTE-FDD (SG-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	the second second	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTEFOD	6.50	± 9.6
10180	-	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 84-QAM)	LTE-FDD	6.50	± 9.6
10181	-	LTE-FDB (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.73	±96

Conficate No. EX3-7375 Dec21

Page 13 of 24

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Rev: 01

Page: 19 of 29

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10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz. 16-QAM)	LTE-FDD	6.52	± 9.6 %
	AAD	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6:50:	±9.6 %
10184	CAE	LYE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±96%
	CAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 18-GAM)	LTE-FDD	6.51	±9.6%
	AAE	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FOD	6.50	±95%
10187	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FOD	5.73	±96%
10188	CAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FOD	6.52	£96%
10189	AAF	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz. 64-QAM)	LTE-FOD	6.50	± 9.6 %
10193	CAD	IEEE 802 11n (HT Greenfield, 5.5 Mbps, BPSK)	WLAN	8.09	=96%
10194	CAD	IEEE 802 I In (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9,6%
10195	CAD	IEEE 802 11n (HT Greenfield, R5 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAD	IEEE 802 11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8,10	± 9.6 %
10197	CAD	IEEE 802:11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	B.13	+96%
10198	CAD	IEEE 802,11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6%
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6%
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
	CAD	IEEE 802 11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10223	CAD	IEEE 802 11h (HT Mixed 90 Mbps 16-QAM)	WLAN	8.48	± 9.6 %
10223	CAD	(EEE 802.11n (HT Mixed, 150 Mbps, 64 QAM)	WLAN	8.08	±9.6 %
	CAB	UMTS-FDD (HSPA+)	WCDMA	5.97	±96%
10225		LTE-TDD (SG-FDMA, 1 RB, 1.4 MHz, 16-QAM)		9.49	±9.67
10226	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TOD	10.26	± 9.6 7
10227	CAB		LTE-TOD	_	± 9.6 %
10228	CAB	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TOD	9.22	±9.6%
10229	CAD	LTE-TOD (SC-FDMA: 1 RB, 3 MHz. 16-QAM)	LTE-TDD	9.48	_
10230	CAD	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TOO	10.25	±9.6%
10231	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, OPSK)	LTE-TOD	9.19	-
10232	CAG	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9,6 %
10233	CAG	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6%
10234	CAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6.9
10235	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TOD	9.48	±9.63
10236	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6.9
10237	CAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10238	CAF	LTE-TOD (SC-FDMA, 1 RB, 15 MHz. 16-QAM)	LTE-TOD	9.48	± 9.6%
10239	CAF	LTE-TOD (SC-FDMA, 1 RB, 15 MHz. 64-QAM)	LTE-TDD	10,25	±9.69
10240	CAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDO	9.21	±9.69
10241	CAB	LTE-TOD (SC-FDMA, 50% RB. 1.4 MHz. 16-QAM)	LTE-TDD	9.82	±9.65
10242	CAB	LTE-TDD (SC-FDMA, 50% RB. 1.4 MHz. 64-QAW)	LTE-TDD	9.86	r 9.6 %
10243	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	± 9.6
10244	CAD	LTE-TDD (SC-FOMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 1
10245	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	2 9.6 9
10246	CAD	LTE-TDD (5C-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TOD	9.30	± 9,6 5
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz: 16-QAM)	LTE-TOD	9.91	± 9,6.9
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDO	10.09	±96°
10249	CAG	LTF-TDD (SC-FDMA, 50% RB, 5 MHz, OPSK)	1.7E-TDD	9.29	±9.6
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TOO	9.81	± 9.6
10251	CAG.	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TOD	10.17	±9.61
10252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK)	LTE-TOD	9.24	± 9.6
10253	-	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.8
10254	_	LTE-TDD (SC-PDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TOD	10.14	±9.6
10255	and the same of the later of th	LTE-TOO (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	± 9.6
10256	Chicago, Co.	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10257		LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TOD	10.08	±9.5
10258	-	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±96
10259		LTE-TDD (SC-FDMA: 100%) RB 3 MHz, 16-GAM)	LTE:TDD	9.98	195
10260	-	LTE-TDD (SC-FOMA 100% RB. 3 MHz. 64-QAM)	LTE-TDD:	9.97	±96

Certificate No. Exs-7375\_Dec21

Page 14 of 24

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Rev: 01

Page: 20 of 29

December 20, 2021 EX3DV4-SN:7375

10261	CAD	LTE-TDD (SC-FDMA, 1/10% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6.%
10262	CAG	LTE-TOD (SC FDMA 100% RB, 5 MHz, 18-DAM)	LTE-TOD	9.83	±96%
10263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD:	10.16	±96%
10264	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6%
10265	CAG	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, 18-QAM)	LTE-TDD	9.92	±96%
10266	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	30,07	±9.6%
10267	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz. QPSK)	LTE-TOD	9.30	19.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TOD	10.06	±9.6 %
10269	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz. 84-QAM)	LTE TOD	10.13	±96%
10270	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TOD	9.58	196%
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8,10)	WCDMA	4.87	±96%
10275	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.4)	WCDMA	3.96	±9.6%
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6%
10278	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	±9.6%
10279	CAA	PHS (QPSK, BW 884MHz, Rolloff 0.38)	PHS	12.18	± 9.6 %
10290	AAB	CDMAZ000, RC1, SQ55, Full Rate	CDMA2000	3.91	± 9.6 %
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10292		CDMA2000 RC3 SO32 Full Rate	CDMA2000	3.39	± 9.6 %
10293		CDMA2000 RC3 SO3 Full Rate	CDMA2000	3.50	19.6%
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±96%
10297	AAD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	± 9.6 %
10298	AAD	LTE-FDO (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	19.6%
10299	AAD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE FOO	6.39	± 9.6 %
10300		LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	5.60	± 9.6 %
	AAA	IEEE 802.18e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WIMAX	12.03	±9.6 %
10301	100	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3GTRL)	WIMAX	12.57	±96%
10302	AAA		WIMAX	12.52	±9.69
10303		IEEE 802 16s WIMAX (31-15, 5ms, 10MHz, 84QAM, PUSC)	WIMAX	11.86	±96%
10304	-	IEEE 802 16e WIMAX (29 18, 5ms, 10MHz, 64QAM, PUSC)			-
10305	AAA	IEEE 802.16e WIMAX (31:15: 10ms, 10MHz, 64QAM, PUSC)	WIMAX	15.24	196%
10306	AAA	IEEE 802 16e WIMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WIMAX	14.67	±9.6 %
10307	AAA	(EEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WIMAX	14.49	±9.69
10308	AAA	IEEE 802 15e WIMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WMAX	14.46	± 9.6 %
10309	AAA	IEEE 802,16e WiMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3)	WIMAX	14:58	±9.6 %
10310	-	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3	WIMAX	14.57	1954
10311	-	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10313		IDEN 13	IDEN	10,51	±9.63
10314	-	IDEN 16	IDEN	13.48	1969
10315	-	IEEE 802 11b W/Fi 2 4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	±9.6
10316	AAB	IEEE 802 11g WiFi 2.4 GHz (ERP-OFDM, 5 Mbps, 96pc dc)	WLAN	8.36	1969
10317	AAD	IEEE 802,11a WiFl 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	≥ 9.6 9
10352		Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6 9
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	19.6.9
10354	4	Pulse Waveform (200Hz, 40%)	Generic	3.98	± 9.6 %
10355	-	Priise Waveform (200Hz. 60%)	Generic	2:22	1.96
10356	AAA	Pulse Waveform (200Hz. 80%)	Generic	0.97	±96°
10387	AAA	QPSK Waveform, 1 MHz	Genenc	5.10	±96°
10388	AAA	QPSK Waveform, 10 MHz	Generic	5,22	±9.6 °
10396	100000000000000000000000000000000000000	64-QAM Waveform, 100 kHz	Generic	6.27	± 9,6 5
10399	AAA	64-QAM Waveform, Idl MHz	Generio	6.27	±9.6
10400	AAE	IEEE 802 11ac WIFI (20MHz, 64-QAM; 99pc,dc)	WLAN	8,37	± 9.6 1
10401	AAE	IEEE 802,11ac WiFr (40MHz) 64-QAM, 99pc.dc)	WLAN	8.60	r 9.6
10402	AAE	IEEE 802 Mac WiFi (BOMHz: 64-QAM, 99pc dc)	WLAN	8.53	±96
10403	AAB	CDMA2000 (1xEV-DO, Rev. 8)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6
10406	-	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,6,9)	LTE-TOD	7.82	±96

Certificate No: EX3 7375 Dec21

Page 15 of 24

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f (886-2) 2298-0488



Rev: 01

Page: 21 of 29

10414	AAA	WLAN CCDF, 64-QAM: 46MHz	Generic	8.54	±96%
10415	AAA	(EEE 802.116 WiFi 2.4 GHz (DSSS, 1 Mbps, 98pc dc)	WLAN	1.54	±96%
10416	2.00	IEEE 802 11g W/Fi 2.4 GHz (ERP-OFDM, 5 Mpos. 99pc do)	WLAN	8.23	±96%
10417	AAC	IEEE 802 11ah WiFi 5 GRz (GFDM, 8 Mbps, 39pc dc)	WLAN	B.23	±9.6%
10418	AAA	IEEE 802 11g WIFI 2 4 GHz (DSSS-OFDM 8 Mbps, 99pc, Long)	WLAN	8.14	±9.6%
10419	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	196%
10422	AAC	IEEE 802 17n (HT Greenfield, 7.2 Mbgs, BPSK)	WLAN.	8.32	± 9,6 %
10423	AAC	IEEE 802,11n (HT Greenfield, 43,3 Mbps, 16-CIAM)	WLAN	8.47	± 9.6 %
10424	AAC	IEEE 802 11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	195%
10425	AAC	IEEE 802 11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	B.41	±9.6%
10426	AAC	(EEE 802 11n (HT Greenfield, 96 Mbps, 16-QAM)	WLAN	B.45	±96%
10427	AAC	IEEE 802 11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	196%
10430	AAD	LTE-FDD (OFDMA, 5 MHz; E-TM 3.1)	LTE-FDD	8.26	±9.6 %
10431	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10432	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	# 9.6 W
10433	AAC	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10434	AAA	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10435	AAF	LTE-TOD (SC-FDMA * RB. 20 MHz. QPSK, UL Sub)	LTE-TOD	7.82	± 9.6 %
10447	AAD	LTE-FDD (DFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6%
10448	AAD	LTE-FDD (OFDMA, 10 MHz. E-TM 3.1, Cirppin 441li)	LTE-FDD	7.53	±96%
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9,6 %
10450	AAC	LTE-FDD (QFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.4B	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	1 ± 9.6 %
10453	AAD	Validation (Square 10ms 1ms)	Test	10.00	±96%
10456	4-1-1-1	IEEE 802.1 (ac WIFI (160MHz, 64-QAM, 98pc dc)	WLAN	8.63	±96%
10457	AAA	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6 %
10458		CDMA2000 (1xEV-DO, Rev. B. 2 carriers)	CDMA2000	6.55	19.53
10459	AAA	CDMA2000 (1xEV-DO, Rev. B. 3 carriers)	CDMA2000	8.25	±9.6%
10460	1.00	UMTS-FDD (WCDNA, AMR)	WCDMA	2.39	± 9.6 %
	-	LTE-TOD (SG-FDMA, 1 RB, 1 4 MHz, QPSK, UL Sub)	LTE TOD	7.82	+ 9.5.9
10461	AAB	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TOD	8,30	± 9.6 9
10462	-		LTE-TDD	8.56	±9.69
10463	-	LTE-TDD (SC-FDMA, 1 RB, 1 M MHz, 64-QAM, IA, Sub) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDO	7.82	1969
10464			LTE-TDD	8.32	±969
10465	-	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)		8.57	±965
10466	1.5	LTE-TOD (SC-FDMA, T RB, 3 MHz, 64 QAM; UL Sub)	LTE-TOD	7.82	±969
10467	-	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TOD	_	1963
10468	_	LTE TOD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TOD	8.32	= 9.6 7
10459		LTE-TOD (SC-FDMA, 1 RB, 5 MHz, 64 QAM, UL Sub)	LTE-TOD	7.82	± 9.6 9
10470	-	LTE-TOD (SC-FDMA TRB. 10 MHz. QPSK, UL Sub)	LTE-TOO		±9.6 9
10471	-	LTE-TDD (SC-FDWA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.57	196
10472	_	LTE-TDD (SC-FOMA, 1 RB, 10 MHz; 84-QAM, UL Sub)	LTE-TOO		1969
10473	-	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, DPSK, UL Sub)	LTE-TOD	7.82	
10474	_	LTE-TDD (SC-FDMA, 1 RB, 16 MHz, 16-QAM, UL Sub)	LTE-TOD	8,32	±969
10475	THE PERSON NAMED IN	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	1.TE-TDD	5,57	
10477	-	LTE TDD (BG FDMA, 1 RB, 20 MHz, 16 QAM, UL Sub)	LTE TOD	B.32	±9.53
10478	OR SHAREST WAY	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TOD	9.57	±9.6
10479		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TOD	7.74	±9.61
10480	-	LTE-TDD (SC-FDMA, 60% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TOD	8.18	196
10481	-	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-GAM UL Sub)	LTE-TOD	8.45	± 9.6°
10482	-	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TOD	7.71	± 9.6
10483	or by a grant and the same	LTE-TOD (SC-FDMA, 50% RB, 3 MHz; 16-QAM, Sub)	LTE-TOO	8,39	±969
10484		LTE-TDD (SC-FDMA, 50% RB 3 MHz, 84-QAM, VL Sub)	LTE-TOD	8.47	±9,65
10485		LTE-TOD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Sub)	LTE-TDO	7.59	±9.6
10486	-	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-GAM, UL Sub)	LIE-TOD	8.38	±95
10487	1777	LTE-TOD (SC-FDMA: 50% RB: 5 MHz: 64-QAM, UL Sub)	LTE-TOD	8 60	± 9,6 °
10488	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TOD	7.70	± 9,6

Certificate No. EX3-7375 Dec21

Page 16 of 24

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f (886-2) 2298-0488



Rev: 01

Page: 22 of 29

3DV4- S	N.rart			Decembe	er 20, 202
10489	AAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	1 296 9
10490	AAF	LTE-TDD (5C-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TOD	8.54	±9.6.%
10491	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	= 9.61
10492	AAE	LTE-TDD (SC-FDMA, 50% RB, 16 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	±9.6%
10493	AAE	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TOD	8.55	±9.6%
10494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	±085
10495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 15-QAM, UL Sub)	LTE-TDD	8.37	±9.65
10496	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz 64-QAM, UL Sub)	LTE-TDD	8:54	±9.63
10497	AAB	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.67	± 9,6 9
10498	AAB	LTE-TDD (SC-FDMA, 100% RB 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	€ 9.6 9
10499	AAB	LTE-TDD (SC-FDMA, 100% RB: 1,4 MHz; 64-QAM, UL Sub)	LTE-TOD	8.68	±9.63
10500	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz), QPSK, VL Sub)	LTE-TDD	7.67	± 9.6 °
10501	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	3.44	±96*
10502	AAC	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD.	8.52	±96
10503	AAF	LTE-TOD (SC-FDMA, 1001), RB 5 MHz, QPSK, UL Sub)	LTE-TDD	7.72	±96
10504	AAF	LTE-TOD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TOD	8.31	£9.6
10505	AAF	LTE-TDD (SC-FDMA, 100% RB: 5 MHz 64-QAM, UL Sub)	LTE-TDD	8.54	19.6
10506	AAF	LTE-TDD (SC-FDMA, 100% RB 10 MHz, OPSK, UL Sub)	LTE-TOD	7.74	± 9.6
10507	AAF	LTE-TDD (SC-FDMA 100% RB 10 MHz 16-DAM UL Sub)	LTE-TOD	8.36	±9.61
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TOO	8.55	±9.6
10509	AAE	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TOB	7.99	± 9.6
10510	AAE	LTE-TOD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TOD	8.49	±9.6
10511	AAE	LTE-TDD (SC-FDMA, 190%, RB, 15 MHz, 64-QAM, UL Sub)	LTE-TOD	8.51	±9.5
	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TD0	7.74	±9.6
10512	AAF	LTE-TDD (SC-FDIMA, 100% RB, 20 MHz, 16-DAM, UL Sub)	LTE-TDD	8.42	± 9.6
10514	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TOO	8.45	± 9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc do)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	196
	AAA	IEEE 802.110 WIFI 2.4 GHz (DSSS, 11 Mbps, 99pc do)	WLAN	1.58	±96
10517		IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc 60)	WLAN	8.23	±9.6
10518	AAC		WLAN	8.39	±9.6
10519	AAC	IEEE 802 11a/n WIFLS GHz (OFDM, 12 Mbps, 99pc dc)			± 9.6
10520	AAC	IEEE 802.11a/h WIFi 5 GHz (OFDM 18 Mbps, 99pc dc)	WLAN	8.12 7.97	± 9.6
10521	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM: 24 Mbps, 99pc dc)	WLAN		± 9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99ac dc)	WLAN	8.45	± 9.6
10523	AAC	IEEE 802.11a/n WIFI 5 GHz (OFDM, 48 Maps, 99pc dc)	WLAN	8.08	_
10524	AAC	IEEE 802,11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc.dc)	WLAN	8.36	±9.6
10525	AAC	IEEE 802,11ac WiFi (20MHz, MCSD, 99pc dc)	WEAN	8.42	±9.6
10526	AAC	IEEE 802.11ac WIF) (20MHz, MCS1, 99pc dc)	WLAN		± 9.6
10527	AAC	IEEE 802 I tac WiFi (20MHz, MCS2, 98pc dc)	WLAN	8.21	± 9.6
10528	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc do)	WLAN	8.36	± 9.6
10529	AAC	IEEE 802 11ac WiFi (20MHz, MCSA, 99pc dq)	WLAN	8.36	± 9.6
10531	AAC	IEEE 802 11ac WiFi (20MHz, MCS6, 99po ac)	WLAN	8.43	± 9.6
10532	AAC	IEEE 802 11ac WiFi (20MHz, MGS7 99pc dc)	WLAN	8.29	_
10533	-	IEEE 802 1 fac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38 8.45	± 9.6
10534	-	IEEE 802 I fac WiFI (40MHz, MCSD, 98pc rlc)	WI AN	8.45	
10535	AAC	IEEE 802 11ac WiFi (40MHz, MCS1, 99pc dd)	WLAN		±96
10536	AAC	IEEE 802.11ac WiFi (40MHz, MCS2, 99pc dc)	WLAN	8,32	-
10537		IEEE 802 11ac WIFI (40MHz, MCS3, 98pc do)	WLAN	8.44 8.54	±9.6
10538		IEEE 602.11ac WiFi (40MHz; MCS4, 99pc do)	WLAN		
10540	100	IEEE 802,11ac WiFi (40MHz; MCS6, 99pc.dc)	WLAN	8.39	±9.6
10541	AAC	IEEE 802 11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.46	£9.6
10542	-	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6
10543	-	(EEE 802,11ac WiFi (46MHz, MCS9, 99pc dc)	WLAN	8.65	= 9.6
10544	AAC	(IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	8.47	± 9.6
10545	AAC	IEEE 802 11ac WiFi (80MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6

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Certificate No: EX3-7375 Dec21

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Page 17 of 24



Rev: 01

Page: 23 of 29

EX30V4- SN 7375	December 2tt. 2021

10547	AAC	(EEE 80), 11gc W/FI (80MHz, MCS3, 99pc dc)	WLAN	8.49	±96%
10548	AAC	JEEE 802 11sc W/F (80MHz, MCS4, 99pc do)	WLAN	8.37	196%
10550	AAC	IEEE 802 11gc WIFI (80MHz, MCS6, 99pc do)	WLAN	8.39	± 9,6 %
10551	AAC	IEEE 802 11sc WiFi (80MHz, MCS7, 99pc dd)	WLAN	8.50	±96%
10552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc de)	WLAN.	8.42	主96%
10553	AAC	IEEE 802.11ac WIFI (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6.1%
10554	AAD	IEEE 802,11ac WIFI (1600/Hz, MCS0, 99pc ac)	WLAN	8.48	±96%
10555	AAD	IEEE 802.11ac WiFi (160MHz: MGS1, 99pc dc)	WLAN	8.47	196%
10556	AAD	IEEE 802.11ac WIFI (160MHz: MCS2, 99pc do)	WLAN	B.50	±9.6%
10557	AAD	IEEE 802 11ac WIFI (160MHz, MCS3, 99pc dc)	WLAN	8,52	±9.6%
10558	AAD	IEEE 802 11ac WiFi (160MHz; MCS4, 99pc dc)	WLAN	8,61	1957
10560	AAD	IEEE 802.11ac WIFI (160MHz, MCS6, 99pc de)	WLAN	6.73	± 9.6.%
10561	AAD	IEEE 802,11ac WiFi (160MHz, MCS7, 89pc.cs)	WLAN	8.56	± 9.6 %
10562	AAD	(EEE 802,11ac WiFi (160MHz, MCS8, 99cc dc)	WEAN	8.69	±9.6 %
10563	AAD	IEEE 502 11sc WiFi (160MHz, MGS9, 99pc dp)	WLAN	8.77	± 9.6 %
10564	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dd)	WLAN	8.25	± 9.6 %
10565	AAA	IEEE 802 11g WiFi 2.4 GHz (DSSS-OFDM 12 Mbps, 99pc dq)	WLAN	8.45	196%
10566	AAA	IEEE 802 11g WiFl 2.4 GHz (DSSS-OFDM: 18 Mbps. 90pc dc)	WLAN	8.13	± 9.6 %
10567	Адд	(EEE 802.11g W/Fi 2,4 GHz (DSSS-OFDM, 24 Mbps. 99pc.dc)	WLAN	8.00	± 9.6 %
10568	AAA	IEEE 802 11g WiFi 2.4 GHz (DSSS-OFDM, 38 Mbps, 99pc do)	WLAN	8.37	± 9,6 %
10569	AAA	IEEE 802,11g WIFI 2,4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10570	AAA.	IEEE 802,11g WiFi 2,4 GHz (DSSS-OFDM, 54 Mbps, 99pc.dc)	WLAN	8.30	± 9.6 %
10571	AAA	IEEE 802 11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc do)	VVLAN	1 99	±9.6 %
10572	AAA	IEEE 802 115 W/Fr 2 4 GHz (DSSS, 2 Mbps: 90pc:do)	WLAN	7.99	±96%
10573	AAA	EEE 802.116 WIF 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	±9.6%
10574	AAA	IEEE 802 11h WiFr 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	±9.6%
10575	AAA	IEEE 802.11c WiFi 2.4 GHz (DSSS-OFDM, 8 Mbps 90pc dc)	WLAN	8.59	±9.6 %
10576	AAA	IEEE B02.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 W
10577	AAA	IEEE 802:11g WIFI 2.4 GHz (DSSS-QFDM, 12 Mbps 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-QFDM, 18 Mbps, 90pg dc)	WLAM	8.49	± 9.6.%
10579	AAA	IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pg dc)	WLAN	8.36	± 9.6 %
10580	AAA	IEEE 802 11g WiFi 2 4 GHz (DSSSIQFDM, 36 Mbps, 90pc do)	WLAN	8.76	19.5%
10581	AAA	IEEE 802 11g WiFi 2 4 GHz (DSSS-OFDM: 48 Mbps, 90pc do)	WLAN	8:35	± 9.6 %
10582	AAA	IEEE 802 11d WIFI 2 4 GHz (DSSS-QFDM: 54 Mbps: 90pc do)	WLAN	8:67	±9.69
10583	AAC	IEEE 802 11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc 0c)	WLAN	8.59	± 9.6 %
10584	AAC	IEEE 802,11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc do)	WLAN	8.60	± 9.6 9
10585	AAC	IEEE 802 11alh WiFi 5 GHz (OFDM, 12 Mbps, 90oc dc)	WLAN	8.70	± 9.6 %
10586	AAC	IEEE 802 11ah WIFI 5 GHz (OFDM, 18 Mbps, 90pc do)	WLAN	8.49	±95°
10587	AAC	IEEE 802 11a/h WIFI 5 GHz (OFDM, 24 Mbps 90pc dc)	WLAN	8.36	±969
10588	AAC	IEEE 802 11a/n WiFi 5 GHz (OFDM, 36 Mbgs, 90pc dc)	WLAN	8.76	+96
10589	AAC	IEEE 802 11 alli WIFI 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	6.35	±9.63
10590	-	IEEE 802 1 Jam WIFLS GHz (OFDM, 54 Mbps, 90pc do)	WLAN	8.67	±9.63
10591	AAC	(EEE 802.11n (HT Mixee, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 3
10592	AAC	IEEE 802.116 (HT Mixed, 20MHz, MCS1, 90pc do)	WLAN	8.79	±9.69
10593	AAC	IEEE 802 110 (HT Mixed 20MH= MCS2 90pc do)	W AN	8.64	± 9.6 %
10594	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.61
10595	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc do)	WLAN	8.74	± 9.6
10596	AAC	IEEE 502 11n (HT Mixed, 20MHz, MCS5, 90pc do)	WLAN	8.71	±961
10597	AAC	(EEE 802.116 (HT Mixed, 20MHz, MC\$6, 90pc-do)	WLAN	8.72	±969
10598	AAC	IEEE 802 11h (HT Mixed, 20MHz, MCS7, 90oc dc)	WEAN	8.50	±9.5
10599	AAC	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dp)	WLAN	8.79	±96
10600	7 7 7 7 7	IEEE 802 7 in (HT Mixed, 40MHz, MCS1, 90pc do)	WLAN	8.88	±961
10601	AAC.	IEEE 802,11h (HT Mixed, 40MHz, MC\$2, 90pc dc)	WLAN	8.82	±96*
10602	The second	IEEE 802 11n (HT Mixed, 48MHz, MCS3, 90pc dc)	WLAN	8:94	± 9.6 5
10603		IEEE 802 11n (HT Mixed, 40MHz, MCS4, 90pc dc)	WLAN	9.03	= 9.6 ⁴
10604	-	IEEE 802,11n (HT Mixed, 40MHz, MCS5, 90pc dc)	WLAN	8.76	±955

Certificate No. EX3-7375 Dec21

Page 19 of 24

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f (886-2) 2298-0488



Rev: 01

Page: 24 of 29

0605	ANC	IEEE 802.11n (HT Mixed: 40MHz, MCS6, N0pc do)	WEAN	8.97	±9.6 %
0606	AAC	IEEE 802 11n (HT Mixed, 40MHz, MCS7, 90pc (c)	WLAN	8.82	±965
10607	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 90pc de)	WLAN	8.64	±9.6%
10608	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 90pc dc)	WLAN	8.77	±96%
10609	AAC	IEEE 802.11ac WiFi (20MHz, MCS2.90pc-dc)	WLAN	8.57	±9,6.%
10610	AAC	IEEE 802 11ac WiFi (20MHz, MCS3, 90pc dc)	WLAN	8.78	19.63
10611	AAC	IEEE 802 11ac WiFi (20MHz, MCS4, 90pc dc)	WLAN	8.70	±9.6%
10612	AAC	IEEE 802.11ac WiFi (20MHz, MCS5, 90pt; do)	WLAN	8.77	±969
10613	AAC	IEEE 802,11ac WIF) (20MHz, MCS6, 90pc dc)	WLAN	8.94	±96%
10614	AAC	IEEE 802 11ac WIFI (20MHz, MCS7, 90pc dc)	WLAN	8,59	±96%
10615	AAC	IBEE 802, 11ac WiFi (20MHz, MCS8, 90pc dc)	WLAN	8.82	±957
10616	AAC	IEEE 802 11ac WIFI (40MHz: MCS0, 90pc dc)	WLAN	8.82	£9.53
10617	AAG	TEEE 802.11ac WIFI (40MHz, MCS1, 90pg dc)	WLAN	8.81	1961
10618	AAC	IEEE 802 11ac WIFI (40MHz, MCS2, 90pc dc)	WILAN	8.58	±9.6%
10619	AAC	IEEE 802 11ac WiFi (40MHz, MCS3, 90pc dc)	WLAN	8.86	≥ 9.6.9
10620	AAC	IEEE 802.11ac WiFi (40MHz, MCS4, 90pc dc)	WLAN	8.87	± 9.6 %
10621	AAC	IEEE BO2:11ac WiFi (40MHz, MCS5, 90pc dc)	WLAN	8.77	±9.6%
10622	AAC	IEEE 802 11ac WiFi (40MHz MCS6, 90pc dc)	WLAN	8.68	± 9.5 %
10623	AAC	IEEE 802 11ac WiFi (40MHz, MCS7, 90pc.dc)	WLAN	8.82	± 9.6 %
10624	AAC	IEEE 802 11ac WiFi (40MHz, MCS8, 90pc dc)	WLAN.	8.96	± 9.6 5
10625	AAC	IEEE 802 11ac WIFI (40MHz, MCS9, 90pc dc)	WLAN	8.96	± 9.6 °
10626	AAC	IEEE 802, 11ac WiFi (80MHz, MCS0, 90pc dc)	WLAN	B.83	± 9.6 %
10627	AAC	IEEE B02.11ac WiFi (B0MHz, MCS1, 90pc dc)	WLAN	8.88	±9.63
10628	AAC	IEEE 802 11ac WiFi (80MHz, MCS2, 90pc do)	WLAN	8.71	±9.69
10629	AAC	IEEE 802.11ac WIFI (80MHz, MCS3, 90pc dc)	WLAN	8.85	+9.64
10630	AAC	IEEE 802 11ac WIFI (80MHz, MCS4, 90ec do)	WLAN	8.72	±9.69
10631	AAC	IEEE 802.11ac WIFI (80MHz, MCS5, 90pc dc)	WLAN	8.81	±9.63
10632		IEEE 802 11ac WIF (80MHz, MGS6, 90pc dc)	WLAN	8.74	±9.63
		IEEE 802 11ac WIFI (80MHz, MCS7, 90pc dc)	WLAN	8.83	= 9.6 7
10633	-	IEEE 802 11ac WIFI (80MHz, MCSB, 90pc dc)	WIAN	8.80	+ 9.8 9
10634	177	IEEE 802.11ac WIFI (80MHz, MCSB, 90pc dc)	WLAN	8.81	±96
10635	AAC	[EEE 802,11ac WIF (160MHz, MICS9, 90pc dc)	WLAN	8.83	±9.6
10636	AAD	100000000000000000000000000000000000000	WLAN	8.79	195
10637	A COLUMN TWO IS NOT THE OWNER.	IEEE 802 11ac WiFi (160MHz, MCS1: 90pc dc)	WLAN	8.86	± 9.6
10638	-	IEEE 802 11an WIFI (160MHz, MCSZ, 90pc do)	WLAN	8.85	2.9.6
10639	AAD	IEEE 802 11ac WIFI (160MHz, MCS3, 90pc.dd)	1,000,000	8.98	1.9.6
10640	_	IEEE 802,11ac WiFi (160MHz, MCS4, 90pc dc)	WLAN.	_	± 9.6
10641		IEEE 802.11sc WIFI (180MHz, MCS5, 90pc dc)	WLAN	9.06	+96
10642		IEEE 802 11ac WIFI (160MHz, MCS6, 90pc dc)	WLAN	8.89	±96
10643	-	[EEE 802.11ac WIF [160MHz MCS7, 90pc dc]		9.05	±9.6
10644	-	IEEE 802.11ac WiFi (160MHz, MCS8, 90pc dc) IEEE 802.11ac WiFi (160MHz, MCS9, 90pc dc)	WLAN	9.05	±9.6
10645		The second secon	LTE-TDD	11.96	± 9.6
10646		LTE-TDD (SC-FDMA, 1 RB, 5 MHz; QPSK, UL Sub=2,7). LTE-TDD (SC-FDMA, 1 RB, 20 MHz; QPSK, UL Sub=2,7).		11.96	E 9.6
10647			CDMA2000	3.45	± 9.6
10648	the second second	CDMA2000 (1x Advanced)  1 TF-TDD (OFDMA, 5 MHz F-TM 8.1, Clipping 44%)	TE-TOO	6.91	± 9.6
10652	-		LTE-TDD	7.42	±96
10653	-	LTE-TOD (OFDMA, 10 MHz. E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±96
10654		LTE-TDD (GFDMA, 15 MHz, E-TM 3.1, Clipping 44%)		7.21	±9.6
10655	_	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD Test	10.00	19.6
10658	-	Pulse Waveform (200Hz, 10%)	1.5000	6.99	±96
10659		Pulse Waveform (2004z, 20%)	Test		±96
10880	and the latest terminal termin	Pulsa Waveform (200hiz, 40%)	Test	3.98	±96
10661		Puse Waveform (200Hz, 60%)	Test		-
10662	The second second	Pulsa Waveform (200rtz, 80%)	Test	0.97	± 9.6
10670	_	Bluetooth Low Energy	Bluetooth	2.19	_
1.0671	AAC	(EEE 802.11ax (20MHz, MCS0, 90pc dd) IEEE 802.11ax (20MHz, MCS1, 90pc dd)	WLAN	9.09	± 9.6

Curtificate No. EX3-7375 Dec21

Page 19 of 24

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f (886-2) 2298-0488



Rev: 01

Page: 25 of 29

EX3DV4-SN:7375 December 20, 2021

E 802.11ax (20MHz, MCS2, 90pc dc)			± 9.6 %
E 802.11ax (20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
E 802.11ax (20MHz, MCS4, 90pc dc)	WLAN	8.90	± 9.6 %
E 802.11ax (20MHz, MCS5, 90pc dc)	WLAN	8.77	± 9.6 %
E 802.11ax (20MHz, MCS6, 90pc dc)	WLAN	8.73	± 9.6 %
E 802.11ax (20MHz, MCS7, 90pc dc)	WLAN	8.78	± 9.6 %
E 802.11ax (20MHz, MCS8, 90pc dc)	WLAN	8.89	± 9.6 %
E 802.11ax (20MHz, MCS9, 90pc dc)	WLAN	8.80	± 9.6 %
E 802.11ax (20MHz, MCS10, 90pc dc)	WLAN	8.62	± 9.6 %
E 802.11ax (20MHz, MCS11, 90pc dc)	WLAN	8.83	± 9.6 %
E 802.11ax (20MHz, MCS0, 99pc dc)	WLAN	8.42	± 9.6 %
E 802.11ax (20MHz, MCS1, 99oc dc)	WLAN	8.26	± 9.6 %
E 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 %
E 802.11ax (20MHz, MCS2, 99pc dc)	WLAN	8.28	± 9.6 %
E 802.11ax (20MHz, MCS3, 99pc dc)	WLAN	8.45	± 9.6 %
	WLAN	8.29	± 9.6 %
EE 802.11ax (20MHz, MCS5, 99pc dc)		_	± 9.6 %
EE 802.11ax (20MHz, MCS6, 99pc dc)	WLAN	8.55	
EE 802.11ax (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6 %
EE 802.11ax (20MHz, MCS8, 99pc dc)	WLAN	8.25	± 9.6 %
EE 802.11ax (20MHz, MCS9, 99pc dc)	WLAN	8.29	± 9.6 9
EE 802.11ax (20MHz, MCS10, 99pc dc)	WLAN	8.25	± 9.6 %
EE 802.11ax (20MHz, MCS11, 99pc dc)	WLAN	8.57	± 9.6 %
EE 802.11ax (40MHz, MCS0, 90pc dc)	WLAN	8.78	± 9.6 %
EE 802.11ax (40MHz, MCS1, 90pc dc)	WLAN	8.91	± 9.6 %
EE 802.11ax (40MHz, MCS2, 90pc dc)	WLAN	8.61	± 9.6 %
EE 802.11ax (40MHz, MCS3, 90pc dc)	WLAN	8.89	± 9.6 %
EE 802.11ax (40MHz, MCS4, 90pc dc)	WLAN	8.82	± 9.6 %
EE 802.11ax (40MHz, MCS5, 90pc dc)	WLAN	8.73	± 9.6 %
EE 802.11ax (40MHz, MCS6, 90pc dc)	WLAN	8.86	± 9.6 %
EE 802.11ax (40MHz, MCS7, 90pc dc)	WLAN	8.70	± 9.6 %
EE 802.11ax (40MHz, MCS8, 90pc dc)	WLAN	8.82	± 9.6 %
EE 802.11ax (40MHz, MCS9, 90pc dc)	WLAN	8.56	± 9.6 %
EE 802.11ax (40MHz, MCS10, 90pc dc)	WLAN	8.69	± 9.6 %
EE 802.11ax (40MHz, MCS11, 90pc dc)	WLAN	8.66	± 9.6 °
EE 802.11ax (40MHz, MCS0, 99pc dc)	WLAN	8.32	± 9.6 °
EE 802.11ax (40MHz, MCS1, 99pc dc)	WLAN	8.55	± 9.6 9
EE 802.11ax (40MHz, MCS2, 99pc dc)	WLAN	8.33	± 9.6 5
EE 802.11ax (40MHz, MCS3, 99pc dc)	WLAN	8.29	± 9.6
EE 802.11ax (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6 °
EE 802.11ax (40MHz, MCS5, 99pc dc)	WLAN	8.67	± 9.6
EE 802.11ax (40MHz, MCS6, 99pc dc)	WLAN	8.33	± 9.6
EE 802.11ax (40MHz, MCS7, 99pc dc)	WLAN	8.26	± 9.6
EE 802.11ax (40MHz, MCS8, 99pc dc)	WLAN	8.45	± 9.6
EE 802.11ax (40MHz, MCS9, 99pc dc)	WLAN	8.30	± 9.6
EE 802.11ax (40MHz, MCS10, 99pc dc)	WLAN	8.48	± 9.6
EE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.24	± 9.6
EE 802.11ax (40MHz, MCS11, 99pc dc)	WLAN	8.81	± 9.6
EE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.87	± 9.6
EE 802.11ax (80MHz, MCS1, 90pc dc)	WLAN	8.76	± 9.6
	WLAN	8.55	± 9.6
EE 802.11ax (80MHz, MCS3, 90pc dc)			± 9.6
EE 802.11ax (80MHz, MCS4, 90pc dc)	WLAN	8.70	± 9.6
EE 802.11ax (80MHz, MCS5, 90pc dc)	WLAN	8.90	
		_	± 9.6
			± 9.6
	11.00 51.1		± 9.6
	EE 802.11ax (80MHz, MCS5, 90pc dc)  EE 802.11ax (80MHz, MCS6, 90pc dc)  EE 802.11ax (80MHz, MCS7, 90pc dc)  EE 802.11ax (80MHz, MCS8, 90pc dc)  EE 802.11ax (80MHz, MCS9, 90pc dc)	EE 802.11ax (80MHz, MCS6, 90pc dc)     WLAN       EE 802.11ax (80MHz, MCS7, 90pc dc)     WLAN       EE 802.11ax (80MHz, MCS8, 90pc dc)     WLAN	EE 802.11ax (80MHz, MCS6, 90pc dc)     WLAN     8.74       EE 802.11ax (80MHz, MCS7, 90pc dc)     WLAN     8.72       EE 802.11ax (80MHz, MCS8, 90pc dc)     WLAN     8.66

Certificate No: EX3-7375 Dec21 Page 20 of 24

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Rev: 01

Page: 26 of 29

0729	AAC	(EEE 802 11ax (80MHz; MCS10, 90pc de)	WLAN	8.64	± 9.6 %
0730	AAC	(EEE 802 11EX (80MHz, MCS11, 90gc dc)	WLAN	8.67	1959
10731	AAC	IEEE 802 11ax (80MHz, MCS0, 99pc dc)	WLAN	8.42	± 9,5 %
10732	AAC	IEEE 802 11ax (80MHz. MCS1, 99pc dc)	WLAN	8.46	+9.59
10733	AAC	IEEE B02 11ax (B0MHz, MCS2, 99pc, dc)	WLAN	8 40	1963
10734	AAC	IEEE 802.11ax (80MHz, MCS3, 99pc dc)	WLAN	8.25	± 9.6 %
0735	AAC	IEEE 802 118x (80MHz, MCS4, 99pc do)	WLAN	8.33	± 9.6%
10736	AAC	IEEE 802 1 tax (80MHz, MCSS, 99pc do)	WLAN	8.27	± 9.6 %
10737	AAC	IEEE 802.11ax (80MHz, MCS6, 99pc dc)	WLAN	8.36	±9.69
10738	AAC	(EEE 802 11ax (80MHz, MCS7, 99pc dc)	WLAN	8.42	49.65
10739	AAC	IEEE 802.11ax (80MHz, MCS8, 99pc do)	WLAN.	8.29	±9.63
10740	AAC	IEEE 802.11ax (80MHz, MCS9, 99pc dc)	WLAN	8 48	±9.69
10741	AAC	IEEE 802.11ax (80MHz, MCS10, 99pc dc)	WLAN	8.40	±9.65
10742	AAC	IEEE 802.11ax (80MHz, MCS11, 99pc dc)	WLAN	8.43	±9.65
10743	AAC	IEEE 802.11ax (160MHz. MCS0, 90pc dc)	WLAN	8.94	± 9.6.9
10744	AAC	(EEE 802 11ax (160MHz, MCS1, 90pc dc)	WLAN	9.16	= 9.6 9
10745	AAC	IEEE 802 11ax (160MHz, MCS2, 90pc dg)	WLAN	8.93	1969
10746	AAC	IEEE 802.11ax (160MHz, MCS3 90pc dc)	WLAN	9.11	±9.69
10747	AAC	IEEE 802.11ex (160MHz, MCS4, 90pc do)	WLAN	9.04	±9.63
10748	AAC	IEEE 802 11ax (160MHz, MCS5, 90pc dc)	WLAN	8,93	±965
10749	AAC	IEEE 802.11ax (160MHz, MCS8. 90pc dc)	WLAN	8.90	±9.65
10750	AAC	IEEE 802 11ax (160MHz, MC57, 90pc dc)	WLAN	8.79	± 9.6 °
10751	AAC	1EEE 802 11ax (160MHz; MCS8, 90pc.dc)	WLAN	8.82	E 9.6
10752	AAC	(EEE 802 11ax (160MHz, MCS9, 90pc-qc)	WLAN	8.81	±9.6
10753	AAC	IEEE B02,11ax (160MHz, MCS10, 90pc ds)	WLAN	9.00	±9.61
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc dc)	WLAN	8.94	+96
10755	AAC	IEEE 802 1 tax (160MHz, MCSD, 99pc dc)	WLAN	8.64	± 9.6
10756	AAC	(EEE 802 11ax (180MHz, MCS1, 99pc dc)	WLAN	8.77	± 9.6
10757	AAC	(EEE 802 11ax (160MHz. MCS2, 99pc dc)	WLAN	8.77	± 9,6
10758	AAC	IEEE 802 11ax (160MHz, MCS3, 99pc do)	WLAN	B 69	± 9.6
		IEEE 802.11ax (160MHz, MCS4, 99pc dc)	WLAN	8.58	±9.6
10759	AAC	IEEE 802.11ax (160MHz, MCS5, 99pc 6c)	WLAN	8.49	196
-	AAC	IEEE 802.11nx (160MHz, MCS6, 99pc ou)	WLAN	8.58	±9.6
10761		IEEE 802.118x (160MHz, MCS7, 99pc dc)	WLAN	8.49	±9.6
10762	AAC	IEEE 802.118x (160MHz, NICSF, 99pc 6c)	WLAN	8.53	±9.6
10763	AAC		WLAN	B.54	±9.6
10764	AAC	IEEE 802.11ax (160MHz, MCS9, 99pc dc) IEEE 802.11ax (160MHz, MCS10, 99pc dc)	WLAN	8.54	196
10765	AAC	IEEE 802 11ax (160MHz, MCS10, 99pc, dc)	WLAN	8.51	+ 9.6
10766	AAC		5G NR FR1 TDD	7.99	±9.6
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	196
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	± 9.6
10769	And in case of Females	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	19.6
10770		5G NR (CP-OFDM, 1 RB, 25 MHz, CP-SK, 15 KHz)	5G NR FR1 TDD	8.02	19.6
10771	AAD	5G NR (GP-OFDM 1 RB, 30 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.23	± 9.6
10772	-		5G NR FRI TOD	8.03	3 9.6
10773	+	SCAR (CP-DEDM 1 RR 40 MHz OPSK 15 kHz)	5G NR FR1 TOD	8 02	±96
10774	+	SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) SG NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	196
10775	-	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±96
10776	-		The state of the s	8.30	196
10777	_	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10778		SG NR (CP-OFDM, 50%-RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	± 9.6
10779		5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	₹9.6
10780		5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)			-
10781	_	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	B.38	£ 9.6
10782	-	5G NR (CP-DFDM, 50% RB, 50 MHz, CPSK, 15 KHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6

Certificate No: EX3-7375\_Dec21

Page 21 of 24

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Rev: 01

Page: 27 of 29

EX3DV4- SN:7375	Denember 20, 2021
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10785	AAD	5G NR (CP-OFOM, 100% RE 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	± 9.6 %
10786	AAD	5G NR ICP-OFDM, 100% RB 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	+36%
10787	AAD	5G NR (CP-DFDM 100% RB 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6%
10788	AAD	SG NR (CP-OFDM 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	<b>主95%</b>
10780	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	8.37	2.9.6%
10790	AAD	5G NR (CP-OFDM: 100% RB: 50 MHz, QPSK: 15 kHz)	5G NR FRI TOD	8.39	± 9.6 %
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	主9.5.%
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FRI TDD	7.92	± 9.6 %
10793	AAD	5G NR (CP-OFDML 1 RB. 15 MHz, QPSK, 30 KHz)	5G NR FR1 TOD	7.95	±96%
10794	AAD	5G NR (CP-QFDM, 1 PB, 20 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.82	±9.5 %
10795	AAD:	5G NR (CP-OFDM: 1 PB, 25 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.84	±96%
-	AAD	5G NR (CP-OFDM 1 RB 30 MHz, QPSK, 30 kHz)	5G.NR FR1 TDD	7.82	±9.6%
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 4Hz)	5G NR FR1 TDD	8.01	±96%
10798	AAD	5G NR ICP-OFDM, 1 RB, 50 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.89	£96%
10799	AAD	SG NR (CP-OFDM, I RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	± 9.6 %
10801	AAD	5G NR (CP-0FDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FRI TOD	7.89	±9.6 %
10802	AAD	5G NR (CP-OFDM, 1 RB. 90 MHz, QPSX, 30 kHz)	5G NR FR1 TDD	7.87	±9.6%
T0803	AAD	5G NR (CP-OFDM, 1 RB: 100 MHz; OPSK, 30 kHz)	5G NR FRE TOD	7.93	1 2 9 6 %
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.34	± 9.6 %
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	B.37	±96%
10809	AAD	5G NR (CP-OFOM, 50% RB, 30 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	B.34	+964
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.34	±8.65
10812	AAD	5G NR (CP-QFDM, 50% R6, 60 MHz, QP5K, 30 kHz)	5G NR FR1 TDD	8.35	= 9.63
10817	AAE	5G NR (GP-OFDM 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	1.96.7
10818	AAD	5G NR (GP-OFDM 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±969
10819	AAD	SG NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.63
10820	AAD	5G NR (CP-0FDM, 100% RB, 20 MHz, QPSK, 90 kHz)	5G NR FR1 TOO	8.30	19.6%
10821	AAD	5G NR (CP-0FDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9,63
	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSk, 30 kHz)	5G NR FR1 TDD	8.41	± 9.6 %
10822	100	5G NR (CP-OFDM, 100% RB, 40 MHz, CPSK, 30 MHz)	5G NR FR1 TDD	8.36	₹ 9.6 *
10823	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, CPSK, 30 kHz)	5G NR FR1 TDD	8.39	± 9.6 5
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, GPSK, 30 kHz)	5G NR FR1 TOD	8.41	±9.63
10825	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.42	1969
10827	AAD		5G NR FRI TOD	5.43	±9.6 °
10828	AAD	5G NR (CP-OFDM, 100% RB. 90 MH≥, QPSK, 30 kH≥)		8.40	±9.6
10829	AAD	5G NR (CP-0FDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	-	±96
10830	AAD	SG NR (CP-OFDM: 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.61
10837	AAD	5G NR (CR-OFDM 1 RB 15 MH); OPSK, 60 kHz)	5G NR FR1 TDD	7.73	+96
10832	AAD	5G NR (CP-0FDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	-	= 9.6
10833	AAD	5G NR (CP-OFDM: 1 RB: 25 MHz, QPSK; 60 kHz)	5G NR FR1 TDD	7.70	± 9.6
10834	AAD	6G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	-	
10835	-	5G NR (CP-OFDM, 1 RB. 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 MHz)	5G NR FR1 TDD	7.66	
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±96
10839	AAD	5G NR (CP-DFDM 1 RB, 80 MHz, QPSK, 80 kHz)	5G NR FR1 TDD	7.70	-
10840	WD	SG MR (CP-OFOM 1 RB, 90 MHz, OPSK, 80 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAD	5G NR (CP-OFOM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10843	Annual Property lies	5G NR (CP OFDM, 50%, RB, 15 MHz, OPSK, 60 kHz)	5G NR FR1 TDD		±96
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz. QPSK: 80 kHz)	5G NR FR1 TDD	8.34	± 9.6
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	and the same of the same of
10854	the second name of	5G NR (CP-0FDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±96
10855	AAD	5G NR (GP-OFDM 100%, RB, 15 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.36	±9.6
10856	-	5G NR (CP OFDM, 100%, RB, 20 MHz, OPSK, 80 kHz)	5G NR FR1 TOD	8.37	±9.6
10857	-	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	± 9.6
10858	AAD	5G NR (CP-OFDM: 100% RB: 30 MHz; OPSK; 60 kHz)	5G NR FR1 TDD	8.36	± 9.6 ± 9.8
10859	AAD	5G NR (CP-OFDM: 100% RB: 40 MHz; QPSK; 60 kHz)			

Gerificate No. EX3-7375\_Das21

Page 22 of 24

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Rev: 01

Page: 28 of 29

December 20, 2021 EX3DV4-SN:7375

10861	AAD	5G NR (CP-OFDM 100% RB, 60 MHz, QPSK, 60 kHz)	50 NR FR1 TOD	8.40	1965
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 60 KHz)	5G NR FR1 TDD	B.41	± 9.6 %
10864	AAD	5G NR (CP-QFDM_100%) RB, 90 MHz, QPSK_60 kHz)	5G NR FR1 TDD	8.37	±9.6%
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 80 kHz)	5G NR FR1 TOD	8.41	±9.8 %
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 %
10868	AAD	5G NR (DFT-5-OFDM 100% RB, 100 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.89	± 9.6 %
10869	AAD	5G NR (DFT 5-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TOD	5.75	± 9.6 %
10870	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	± 9.6 %
10871	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz).	5G NR FR2 TDD	5.75	±9.6 %
10872	AAD	5G NR (DFT & OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±96%
10873	AAD	5G NR (DFT-s-OFDM 1 RB, 100 MHz, 64QAM, 120 KHz)	5G NR FR2 TDD	6.61	±9.6 %
10874	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 54QAM, 120 HHz)	5G NR FR2 TOD	6.65	±9.6%
10875	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	1.9.6 %
10876	AAD	5G NR (CP-0FDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	B.39	± 9.6 %
10877	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	± 9.6 %
10878	AAD	5G NR (CP-OFDM, 108% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9,5%
10879	AAD	5G NR (CP-OFDM, 1 RB: 100 MHz, 84QAM, 120 kHz)	5G NR FR2 TDD	8.12	± 9.6 %
10880	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TOD	8.38	±9.6%
10881	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6 %
10882	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	± 9.6 %
10883	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.67
10884	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	1969
10885	AAD	5G NR (DFT-s-OFDM 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	£9.6 %
10886	AAD	5G NR (DFT-s-OFDM 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	± 9.6 %
10887	DAA	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	± 9.6 %
10888	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	± 9.6 %
10889	AAD	5G NR (CP-OFOM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.63
10890	AAD	50 NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	19.63
10891	AAD	5G NR (CP-OFDM 1 RB, 58 MHz, 64QAM, 128 kHz)	5G NR FR2 TDD	8.13	± 9.6.%
10892	AAD	5G NR (CP-QFDM: 100% RB, 50 MHz, 84QAM: 120 kHz)	5G NR FR2 TDD	8.41	±9.69
10897	AAC	5G NR (DFT-s-OFDM 1 RB 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.69
10898	AAB	5G NR (DFT-s-OFDM: 1 RB, 10 MHz; QPSK, 30 kHz)	5G NR FR1 TDD	5.67	19.69
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.69
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	± 9.6 9
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±969
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6 %
10903	1.00	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, OPSK, 80 kHz)	SG NR FRI TDD	5.68	1959
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.68	±96°
10905	-	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	196
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.63
10907	AAG	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.61
10908	AAB	5G NR (DFT-5-DFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	1965
10909	-	5G NR (DFT-s-OFDM 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	± 9.6 1
10910	The state of the s	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	± 9.61
10911	AAB	5G NR (DET s-DEDM 50% RR 25 MHz, DPSK 30 kHz)	5G NR FR1 TDD	5.93	±9.61
10912	-	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	E96
10913	-	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±96
10914	-	5G NR (DFT & OFDM, 50% RB, 50 MHz, GPSK, 30 KHz)	5G NR FR1 TDD	5.85	± 9.6 %
10915	1	5G NR (DFT-3-OFDM, 50% RB, 60 MHz, QFSK, 30 kHz)	5G NR FR1 TDD	5.83	19.8
10916	-	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.87	±96°
10917	The second	5G NR /DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±95
10918	117	5G NR (DFT = OFDM 100% RB, 5 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.86	± 9.61
10919	the latest section in	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.88	± 9,6
10920		5G NR (DFT-s-OFDM: 100% RB, 15 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.87	± 9.6
10921	THE STANSON PROPERTY.	5G NR (DFT-s-OFDM 100% RB. 20 MHz, QPSK, 30 NHz)	5G NR FR1 TDD	5.84	±96
10922	-	5G NR (DFT-s-OFDM 100% RB, 25 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.82	19.6

Certificate No. EX3-7375 Dec21

Page 23 of 24

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Rev: 01

Page: 29 of 29

10923	AAB	5G NR (DFT & OFDM, 100% RB, 30 MHz, OPSK, 30 kHz)	SG NR FR1 TDD	5.B4	±9,6%
10924	AAB	5G NR (DFT-s-DFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.84	± 9.6 1
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.95	E967
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	± 9.6 9
10927	AAB	.5G NR (DFT-s-OFDM: 100% RB, 80 MHz, QPSK: 30 kHz)	5G NR FR1 TDD	5.94	± 9.6 %
10928	AAC	5G NR (DFT-s-OFOM, 1 RB, 5 MHz, OPSK, 15 kHz)	5G NR FR1 FDD	5.52	1969
10929	AAC	SG NR (DFT & OFDM, 1 RB. 16 MHz. GPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9,6 %
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	± 9.6 °
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,51	±965
10932	AAC	5G NR (DFT & OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9,63
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 3D MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,51	±95%
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 KHz)	5G NR FR1 FDD	5.51	19.64
10935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	£9.6 °
10936	AAC	5G NR (DFT is OFDM: 50% RB, 5 MHz, QPSK: 15 kHz)	5G NR FR1 FDD	5.90	±9.61
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	+9.6
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, GPSK, 15 kHz)	5G NR FR1 FDD	5.90	± 9.6 €
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	± 9.6
10940	AAC	5G NR (DFT-9-OFDM, 50% RB, 25 MHz, CPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.5
10942	AAG	5G NR (DFT-s-DFDM 50% RB, 40 MHz, OPSK, 15 kHz)	5G NR FRI FDD	5.85	±96
10943	AAD	5G NR (DFT-s-QFDM, 50% RB, 50 MHz, QPSK, 15 MHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAC	5G NR (DFT s-OFDM 100% RB, 10 MHz, QPSR, 15 KHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT & OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±96
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±96
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAG	5G NR (DFT-s-OFDM, 100"/k-RB, 40 MHz, QPSK, 15 km²)	5G NR FR1 FDD	5.94	196
10951	AAD	5G NR (DFT-s-OFDM: 100% RB, 50 MHz. OPSK, 15 KHz)	5G NR FR1 FDD	5.92	±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FD0	8.25	±9.6
10953	AAA	5G NR DL (CP-OFDM TM 3.1, 10 MHz 84-QAM, 15 KHZ)	5G NR FR1 FDD	8.15	±9.8
10954	AAA	5G NR DL (CP-OFDM TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD.	8.23	±96
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 68-Q4M, 15 kHz)	5G NR FR1 FDD	8.42	±9.8
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	19.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	± 9,6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	1 ± 9.8
10959	AAA	5G NR DL (CP-OFDM TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	± 9.6
10960	AAC	5G NR DL (CP-DEDM TM 3.1, 5 MHz 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	± 9,6
10961	AAB	5G NR DL (CP-DFDM, TM 3.1, 10 MHz, 64-DAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 16 kHz)	5G NR FR1 TDD	9.40	±9.6
10963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAC	5G NR DL (CP-OFDM, TM 3, 1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAB	5G NR DL (CP-OFOM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	4G NR FRI TDD	9.57	± 9.6
10966	1.0	5G NR DL (CP-0FDM, TM 3 1 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	1.9.6
10067	AAB	5G NR DI (CR-OFDM TM 3 1 00 MHz 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	± 9:6
10968	-	5G NR DL (CP-GFDM, TM 3.1, 100 NHz, 84-QAM, 30 NHz)	5G NR FR1 TDD	9.40	± 9.6
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11,59	± 9.6
10973	-	5G NR (DFT-s-OFDM: 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9:06	±96
10974		5G NR (CP-DFDM 100% RB, 100 MHz, 256-QAM, 30 KHz)	5G NR FR1 TDD	10.28	±9.6
10978		ULLA BDR.	OCLA	2.23	±98
10979	-	ULLA HDRA	CILLA	7.02	19,6
10980	F 10 100	ULLA HDRS	ULL'A.	H.82	± 0.6
10981	-	ULLA HORp4	ULLA	₹.50	±96
10982	-	ULLA HDRp8	ULLA.	7,44	±9.6

<sup>•</sup> Uncertainty is determined using the max, deviation from linear response applying rectangular distribution one is expressed for the square of the

Certificate No: EX3-7375\_Dec21

Page 24 of 24

## - End of report -

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

Unless ounerwise stated une results snown in this test report reter only to the sample(s) tested and such as ample(s) are retained for 90 days only. We #shaft #sh prosecuted to the fullest extent of the law.