



Appendix G. – Probe Calibration Data



Accredited by the Swiss Acce The Swiss Accreditation Se Autiliateral Agreement for t	rvice is one of the signat	ories to the EA	Accreditation No.: SCS 0108
ilient HCT Gyeonggi-do, R	epublic of Korea	Certificate No.	EX-7622_Nov23
CALIBRATION C	ERTIFICATE	2 가 가	* */2 *
		7 21	1 AV
Object	EX3DV4 - SN:7	622 41/4 Sw /	1 = F1 (J / \$1,83) = 13 2023/17.13
Calibration procedure(s)	QA CAL-25.v8), QA CAL-12.v10, QA CAL-14.v7 redure for dosimetric E-field probe	
Calibration date	November 24, 2	2023	
All calibrations have been co	uncertainties with confident inducted in the closed labor	national standards, which realize the physic: ce probability are given on the following page ratory facility: environment temperature (22 ± n)	es and are part of the certificate.
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde	uncertainties with confident inducted in the closed labor	ce probability are given on the following page ratory facility: environment temperature (22± n)	es and are part of the certificate. ± 3) °C and humidity < 70%.
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP2	Incertainties with confident inducted in the closed labor (M&TE critical for calibratio ID SN: 104778	ce probability are given on the following page ratory facility: environment temperature (22 ±	es and are part of the certificate.
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP2 Power sensor NRP-291	ID ID ID ID ID ID ID ISN: 104778 ISN: 103244	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cal Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804)	es and are part of the certificate. ± 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP-2 Power sensor NRP-291 DCP DAK-3.5 (weighted)	ID ID SN: 104778 SN: 104244 SN: 1249	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804(03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK3.5-1249_Oct23	es and are part of the certificate. ± 3) °C and humidity < 70%. Scheduled Calibration Mar-24 () Oct-24
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP2 Power sensor NRP-291 DCP DAK-3.5 (weighted) OCP DAK-12	ID ID SN: 104778 SN: 103244 SN: 10249 SN: 103244 SN: 1046	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 05-Oct-23 (OCP-DAK12-1016_Oct23)	es and are part of the certificate. ± 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24 i) Oct-24
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP2 Power sensor NRP-291 DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator	ID ID SN: 104778 SN: 103244 SN: 1249 SN: 1016 SN: CC2552 (20x)	ce probability are given on the following page ratory facility: environment temperature (22.± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK15-1249_Oct23) 05-Oct-23 (OCP-DAK15-1016_Oct23) 30-Mar-23 (No. 217-03809)	es and are part of the certificate. ± 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24 i) Oct-24) Oct-24 Mar-24
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP2 Power sensor NRP-291 DCP DAK-3.5 (weighted) OCP DAK-12 Reference 20 dB Attenuator DAE4	ID ID SN: 104778 SN: 103244 SN: 10249 SN: 103244 SN: 1046	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 05-Oct-23 (OCP-DAK12-1016_Oct23)	es and are part of the certificate. ± 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24 i) Oct-24
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP2 Power sensor NRP-291 DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 d8 Attenuator DAE4 Reference Probe ES3DV2	ID ID ID ID ID ID ID ISN: 104778 SN: 103244 SN: 103244 SN: 10244 SN: 1016 SN: 22552 (20x) SN: 650	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804)(03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 30-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 06-Jan-23 (No. ES3-3013_Jan23)	es and are part of the certificate. ± 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24) Oct-24) Oct-24 Mar-24 Mar-24 Jan-24
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP2 Power sensor NRP-291 DCP DAK-3.5 (weighted) OCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B	ID ID SN: 104778 SN: 104778 SN: 103244 SN: 1249 SN: 1249 SN: 1016 SN: CC2652 (20x) SN: 660 SN: 3013	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 05-Oct-23 (OCP-DAK12-1016_Oct23) 30-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house)	es and are part of the certificate. ± 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24 1 Oct-24 Mar-24 Mar-24 Mar-24 Jan-24 Scheduled Check
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP2 Power sensor NRP-291 DCP DAK-3.5 (weighted) OCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E44198 Power sensor E4412A	ID SN: 104778 SN: 104778 SN: 103244 SN: 103244 SN: 10249 SN: 1016 SN: C2552 (20x) SN: 650 SN: 3013	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804)(03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 30-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 06-Jan-23 (No. ES3-3013_Jan23)	es and are part of the certificate. ± 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24 j) Oct-24 Mar-24 Mar-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP2 Power sensor NRP-291 DCP DAK-3.5 (weighted) DCP DAK-3.5 (weighted) DCP DAK-12 Reference 20 dB Attenuator DAEA Reference Probe ES3DV2 Secondary Standards Power meter E44198 Power sensor E4412A Power sensor E4412A	uncertainties with confident inducted in the closed labor (M&TE critical for calibratio SN: 104778 SN: 104778 SN: 103244 SN: 1016 SN: 1249 SN: 1016 SN: C2562 (20x) SN: 660 SN: 3013 ID SN: GB41293674 SN: GB41293674 SN: WY41496087 SN: 000110210	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (CCP-DAK12-1016_Oct23) 05-Oct-23 (CCP-DAK12-1016_Oct23) 30-Mar-23 (No. 217-03809) 16-Mar-23 (No. ES3-3013_Jan23) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house) 06-Apr-18 (in house check Jun-22)	es and are part of the certificate. ± 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24 1 Oct-24 Mar-24 Mar-24 Mar-24 Jan-24 Scheduled Check
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP-2 Power meter NRP-291 DCP DAK-3.5 (weighted) OCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E44198 Power sensor E4412A Power sensor E4412A RF generator HP 8648C	Uncertainties with confident inducted in the closed labor (M&TE critical for calibratio SN: 104778 SN: 103244 SN: 103244 SN: 1016 SN: 10262 (20x) SN: 660 SN: 3013 ID SN: GB41293674 SN: GB41293674 SN: MY41496087 SN: 00110210 SN: US3642U01700	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK15-1249_Oct23) 05-Oct-23 (OCP-DAK15-1249_Oct23) 05-Oct-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. AE4-660_Mar23) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22)	es and are part of the certificate. ± 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24) Oct-24) Oct-24) Oct-24 Mar-24 Mar-24 Scheduled Check In house check: Jun-24 In house check: Jun-24
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP-2 Power meter NRP-291 DCP DAK-3.5 (weighted) OCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E44198 Power sensor E4412A Power sensor E4412A RF generator HP 8648C	uncertainties with confident inducted in the closed labor (M&TE critical for calibratio SN: 104778 SN: 104778 SN: 103244 SN: 1016 SN: 1249 SN: 1016 SN: C2562 (20x) SN: 660 SN: 3013 ID SN: GB41293674 SN: GB41293674 SN: WY41496087 SN: 000110210	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cal Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (CCP-DAK3.5-1249_Oct23) 05-Oct-23 (CCP-DAK3.5-1249_Oct23) 05-Oct-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22)	es and are part of the certificate. : 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24) Oct-24) Oct-24) Oct-24 Mar-24 Mar-24 Mar-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24
All calibrations have been co	Uncertainties with confident inducted in the closed labor (M&TE critical for calibratio SN: 104778 SN: 103244 SN: 103244 SN: 1016 SN: 10262 (20x) SN: 660 SN: 3013 ID SN: GB41293674 SN: GB41293674 SN: MY41496087 SN: 00110210 SN: US3642U01700	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK15-1249_Oct23) 05-Oct-23 (OCP-DAK15-1249_Oct23) 05-Oct-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. AE4-660_Mar23) 06-Jan-23 (No. ES3-3013_Jan23) Check Date (in house 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22)	es and are part of the certificate. : 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24) Oct-24) Oct-24) Oct-24) Oct-24) Oct-24) Oct-24) Mar-24 Scheduled Check In house check: Jun-24 In house check: Jun-24
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power meter NRP-2 Rower sensor NRP-291 DCP DAK-3.5 (weighted) OCP DAK-12 Reference 20 d8 Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E44198 Power sensor E4412A Reference Trabater Calibration Power sensor E4412A RF generator HP 8648C	Uncertainties with confident inducted in the closed labor (M&TE critical for calibratio SN: 104778 SN: 103244 SN: 103244 SN: 1016 SN: 102652 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: 000110210 SN: US41080477	ce probability are given on the following page ratory facility: environment temperature (22 ± n) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK3.5-1249_Oct23 05-Oct-23 (OCP-DAK3.5-1249_Oct23 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 05-Oct-23 (No. 217-03809) 16-Mar-23 (No. 247-03809) 16-Mar-23 (No. 253-3013_Jan23) 06-Jan-23 (No. ES3-3013_Jan23) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 04-Aug-89 (in house check Jun-22) 31-Mar-14 (in house check Oct-22)	es and are part of the certificate. : 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24) Oct-24 1 Oct-24 Mar-24 Mar-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Jun-24
The measurements and the All calibrations have been co Calibration Equipment used Primary Standarde Power metor NRP-2 Power sensor NRP-291 DCP DAK-3.5 (weighted) OCP DAK-12 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power sensor E4412A Power sensor E4412A Power sensor E4412A RF generator HP 8648C Network Analyzer E8358A	Uncertainties with confident inducted in the closed labor (M&TE oritical for calibratio SN: 104778 SN: 104778 SN: 103244 SN: 1046 SN: 1249 SN: 1249 SN: 1249 SN: 1249 SN: 22552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41496087 SN: 000110210 SN: US41080477 SN: US41080477 Name	ce probability are given on the following page ratory facility: environment temperature (22 ± n) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK3.5-1249 Oct23 05-Oct-23 (OCP-DAK3.5-1249 Oct23 05-Oct-23 (OCP-DAK3.5-1249 Oct23) 05-Oct-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. 253-3013_Jan23) Check Date (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 31-Mar-14 (in house check Jun-22) 31-Mar-14 (in house check Jun-22)	es and are part of the certificate. : 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24) Oct-24) Oct-24) Oct-24) Oct-24) Oct-24) Oct-24) Mar-24 Scheduled Check In house check: Jun-24 In house check: Jun-24



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

Accredited by the Swiss Accreditation Service (SAS)

Multilateral Agreement for the recognition of calibration certificates





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

Accreditation No.: SCS 0108 The Swiss Accreditation Service is one of the signatories to the EA

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 @	w rotation around probe axis
Polarization @	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is
A server reserver to	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 θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E2-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- . DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. 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 I ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for I > 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).

Cartificate No: EX.7899 Nov99

Denn Parkon



November 24, 2023

Parameters of Probe: EX3DV4 - SN:7622

Basic Calibration Parameters

200 March 10	Sensor X	Sensor Y	Sensor Z	Unc $(k=2)$
Norm (µV/(V/m) ²) A	0.62	0.67	0.58	±10.1%
DCP (mV) B	109.1	106.5	109.5	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	c	D dB	VR mV	Max dev.	Max Unc ^E k = 2	
0	CW	X	0.00	0.00	1.00	0.00	120.4	±3.5%	±4.7%	
		Y	0.00	0.00	1.00		111.0			
-	Contractor and the second second second	Z	0.00	0.00	1.00	-	115.7	1		
10352	Pulse Waveform (200Hz, 10%)	X	1.52	60.64	6.40	10.00	60.0	±0.5%	±9.6%	
		Y	1.75	61.69	7.06		60.0		1000	
		Z	1.47	60.00	6.12		60.0	1		
10353	Pulse Waveform (200Hz, 20%)	X	0.85	60.00	5.10	6.99	80.0	±0.4%	±9.69	
		Y	0.81	60.00	5.14	10000	80.0	E-08/489		
		Z	0.94	60.00	5.15		80.0			
10354	Pulse Waveform (200Hz, 40%)	X	0.49	60.00	4.03	3.98	95.0	±0.6%	±9.69	
	there we show the	Y	0.05	124.26	0.23	0.0387-0	95.0	200.000	0.000	
		Z	0.53	60.00	4.18	l	95.0			
10355	Pulse Waveform (200Hz, 60%)	X	10.29	156.83	3.22	2.22	120.0	±0.7%	±0.7%	±9.6%
	Contraction of the contraction of the second	Y	8.08	158.75	26.21		120.0		10.001.001	
		Z	16.31	155.45	0.05		120.0			
10387	QPSK Waveform, 1 MHz	X	0.60	64.40	12.96	1.00	150.0	±0.8%	±9.6%	
		Y	0.49	61.74	10.93		150.0		20101	
mont		Z	0.58	63.79	12.13		150.0			
10388	QPSK Waveform, 10 MHz	X	1.39	66.26	14.25	0.00	150.0	±0.8%	±9.69	
		Y	1.22	64.27	13.01		150.0	201070	20.07	
10000		Z	1.35	65.73	13.74		150.0			
10396	64-QAM Waveform, 100 kHz	X	1.70	64.64	15.99	3.01	150.0	±0.7%	±9.6%	
		Y	1.66	64.20	15.69	12214	150.0	1.122.012	110101	
		Z	1.84	65.81	16.33		150.0			
10399	54-QAM Waveform, 40 MHz	X	2.84	66.35	15.11	0.00	150.0	±0.8%	±9.6%	
		Y	2.84	66.23	14.94		150.0	T0.0%	and/aria	
		2	2.84	66.33	14.99	(150.0			
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.97	66.58	15.54	0.00	150.0	±0.7%	±9.6%	
		Y	3.86	65.94	15.17		150.0		24.6 /	
		Z	3.83	65.95	15.15		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%.

A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6). ⁸ Linearization parameter uncertainty for maximum specified field strength. ⁶ Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Certificate No: FX-7622 Nov23

Deex 5 at on



November 24, 2023

Parameters of Probe: EX3DV4 - SN:7622

Sensor Model Parameters

	C1 fF	C2 fF	v-1	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V-2	T5 V-1	T6
х	10.2	71.57	31.90	5.27	0.00	4.90	0.44	0.00	1.00
¥.	10.4	74.98	33.01	3.40	0.00	4.94	0.52	0.00	1.00
Z	10.1	71.42	31,99	7.10	0.00	4.90	0.70	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	48.4*
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

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

Cartificate No- EY,7699 Mauno

m.......



November 24, 2023

Parameters of Probe: EX3DV4 - SN:7622

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	41.9	0.89	10.02	9.37	10.05	0.54	1.27	±12.0%
835	41.5	0.90	9.46	9.41	9.45	0.51	1.27	±12.0%
900	41.5	0.97	9.85	8.90	9.20	0.51	1.27	±12.0%
1450	40.5	1.20	9.00	8.49	8.87	0.65	1.27	±12.0%
1750	40.1	1.37	8.89	8.35	8.72	0.32	1.27	±12.0%
1900	40.0	1.40	8.60	8.16	8.42	0.33	1.27	±12.0%
2000	40.0	1.40	B.43	7.97	8.27	0.34	1.27	±12.0%
2450	39.2	1.80	7.99	7.60	7.82	0.32	1.27	±12.0%
2600	39.0	1.96	7.89	7.52	7.77	0.31	1.27	±12.0%
3300	38.2	2.71	7.23	6.98	7.18	0.36	1.27	±14.0%
3500	37.9	2.91	7.12	6.89	7.07	0.36	1.27	±14.0%
3700	37.7	3.12	7.03	6.78	7.00	0.36	1.27	±14.0%
3900	37.5	3.32	6.89	6.67	6.86	0.37	1.27	±14.0%
4100	37.2	3.53	6.60	6.40	6.59	0.38	1.27	±14.0%
4400	36.9	3.84	6.40	6.21	6.38	0.38	1.27	±14.0%
4600	36.7	4.04	6.37	6.22	6.36	0.38	1.27	±14.0%
4800	36.4	4.25	6.36	6.20	6.38	0.38	1.27	±14.0%
4950	36.3	4.40	5.95	5.85	5.97	0.46	1.36	±14.0%
5250	35.9	4.71	5.75	5.66	5.76	0.39	1.64	±14.0%
5600	35.5	5.07	5.02	4.99	5.05	0.45	1.67	±14.0%
5750	35.4	5.22	5.15	5.08	5.14	0.43	1.75	±14.0%
5800	35.3	5.27	5.05	4.95	5.05	0.44	1.78	±14.0%

C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ComF uncertainty at calibration frequency and the uncertainty for the indicated troquency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 20 MHz for ComF assessments at 30, 64, 128, 160 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 ±10 MHz. The probes are calibrated using fiscue simulating figuries (TSL) that deviate for a and or by less than ±5% are used. The calibration uncertainties are 11.1% for 0.7-3 GHz and 13,1% for 3 - 6 GHz.

G Alpha/Depth are detarmined 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.

Cartificate No. EV.7600 Mau00

HOLL IN LEASE



November 24, 2023

Parameters of Probe: EX3DV4 - SN:7622

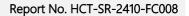
Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
6500	34.5	6.07	5.79	5.85	5.82	0.20	2.00	±18.6%

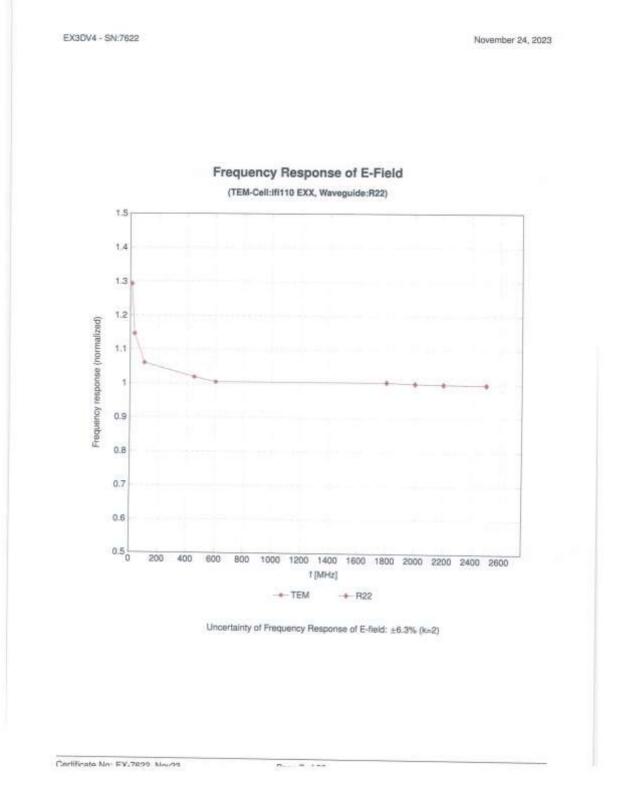
C Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration troquency and the uncertainty for the indicated frequency band. The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and σ by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

^Q Alpha/Depth are determined during salibration. 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 3-8 GHz; and below ±4% for frequencies between 6-10 GHz at any distance larger than half the probe tip diameter from the boundary.

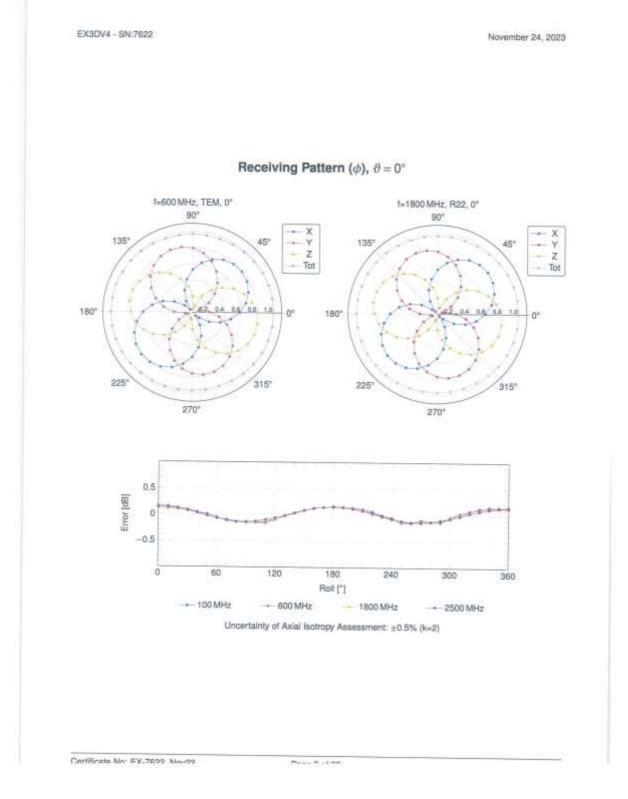
Certificate No: EX.7822 Nov23



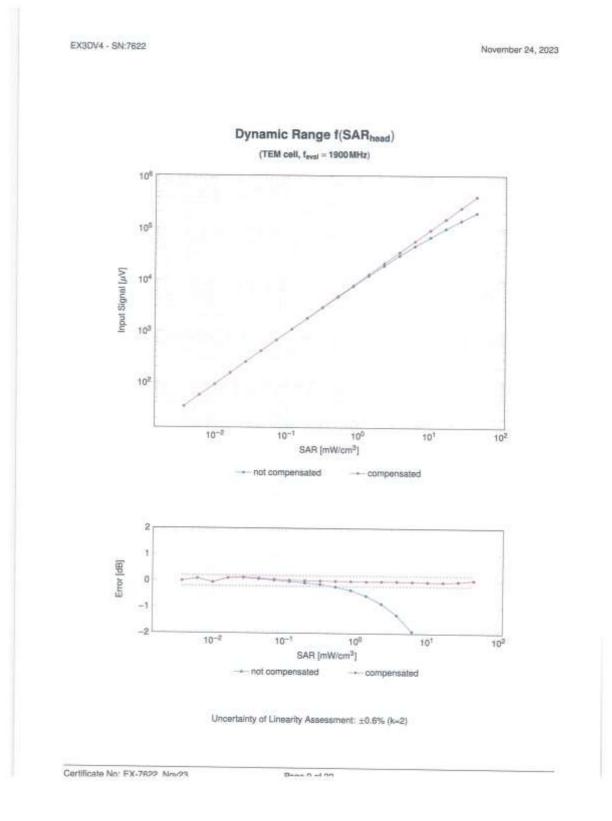




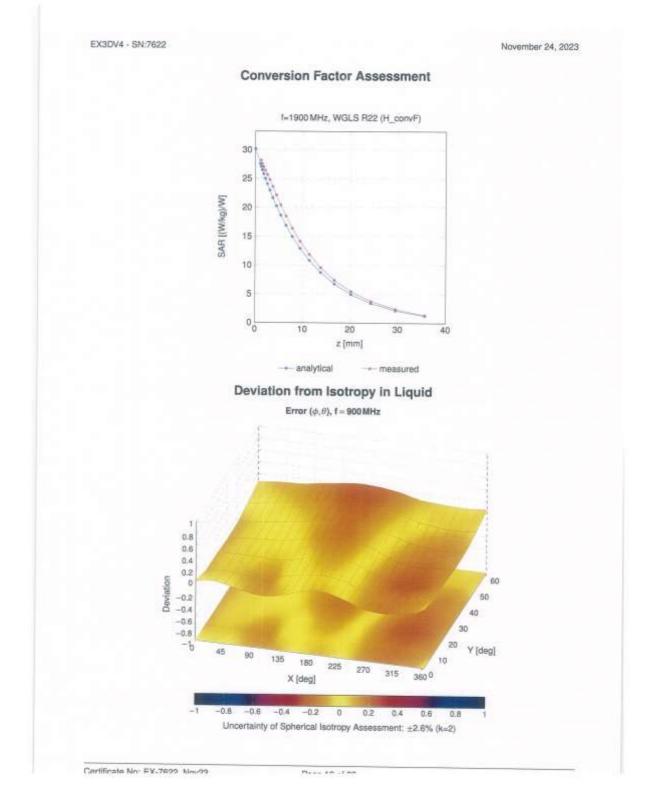














November 24, 2023

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	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	19.6
10.021	OAC	GSM-FDD (TDMA, GM5K)	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 (TOMA, 8PSK, TN 0-1)	GSM	8.55	3.9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	29.6
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	29.6
10030	CAA	TEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	Contract of the local division of the local
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	29.6
10032	CAA	EEE 802.15.1 Bluetooth (GPSK, DH6)	Bluetooth	1.16	19.6
10033	CAA	IEEE 802 15.1 Bluetooth (Pl/4-DQPSK, DH1)			±9.8
10034	CAA	EEE 802.15.1 Bluetooth (PV4-DQPSK, DH3)	Bluetooth	7.74	±9.6
10035	CAA	IEEE 802.15.1 Biuetooth (PW-DQPSK, DHS)	Bluetooth	4.53	19.6
10036	CAA	IEEE 802.15.1 Biveboth (PVP-DUPSK, DH1)	Bluetooth	3.83	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Buetoath	8.01	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DHS)	Bluelooth	4.77	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	Bluetooth	4.10	±9.6
10039	CAB		CDMA2000	4.57	±9,5
10042	CAA	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate) IS-91/EIA/TIA-653 FDD (FDMA, FMI	AMPS	7.78	±9.6
10048	CAA		AMPS	0,00	土9.8
10048	and the second second	DECT (TDD, TDMA/FDM, GFBK, Full Slot, 24)	DECT	13.80	±9.8
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
the state of the s		UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
8000	DAG	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
0059	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
0060	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
0061	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802.11a/s WiFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	29.6
0.063	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	+9.5
10065	CAD	IEEE 802.11a/t WFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
0066	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	19.6
0067	CAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	19.8
0068	CAD.	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	19.6
0.068	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	19.6
0071	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	8.83	19.6
0072	CAB.	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	55.6	19.6
0.073	CAB	IEEE 802.11g WiFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	
0074	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbcs)	WLAN	10.30	±9.6
0075	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.30	10.6
0076	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	and the second sec	±9.6
0077	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	10.94	±9.6
OCB1	CAB	CDMA2000 (1xRTT, RCS)		11.00	±9.6
0082	CAB	IS-64 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fulkate)	COMA2000	3.97	±9.6
and a second	DAC	GPRS FDD (TDMA, GMSK, TN 0-4)	AMPS	4,77	±9.6
	CAC	UMTB-FDD (HSDPA)	GSM	6.56	±9.6
and the second se	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	WCDMA	3,98	±9.6
a second s	CAF	LTE-FDD (SC-FDMA, 100% HB, 20 MH/, QPSK)	GSM	9.55	29.8
Calculation of the local division of the loc	CAF	LTE-FDD (SC-FDMA, 100% HB, 20MHz, 0PSK)	LTE-FOD	5.67	±9.6
1.00111	CAF	LTE-FDD (SC-FDMA, 100% HB, 20 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% HB, 20 MHz, 64-QAM)	LTE-FOD	6.42	±9.6
		TE-TID (SC EDMA 100% PB 201412 00000	LTE-FDD	03.0	±9.6
and some of the	CAH	LTE-TOD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9,29	±9.8
contractory of the	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TOD	9.97	±9.6
	200 C	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
in the second second	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FOD	5.80	±9.6
and the second se	CAH	LTE FDD (SC-FDMA, 100% HB, 10 MHz, 16-QAM)	LTE-FOD	6.43	±9.6
al the last second second	CAH	LTE FDD (SC-FDMA, 100% R8, 5 MHz, QPSK)	LTE-FOD	5.75	±9.6
0111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	±9.6

Certificate No: EX-7699 Nov99

Deen 14 at no.



November 24, 2023

uip	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10112	CAH	LTE-FDD (SC-FDMA, 100% R8, 10 MHz, 64-QAM)	LTE-FOD	6.59	±9.6
10113	CAH	LTE-FDD (BC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-FOD	6.62	±9.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	B.46	19.6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.8
10117	CAD	IEEE 802.11n (HT Mod, 13.5 Mtox, BPSK)	WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 18-QAM)	WLAN	8.59	±9.8
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE FDD (SC-FDMA, 100% R8, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	8.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FOD	5.73	±9.6
10143	CAF.	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-FOO	6.35	19.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 64-GAM)	LTE-FOD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	19.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	8.41	
10147	CAO	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	19.6
10148	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42 8.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 84-QAM)	LTE-FDD		±9.6
10151	CAH	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LIE-TOD	6.60	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.28	10.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	distribution of the second sec	9.92	19.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD LTE-FDD	10.05	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	11 21122 2117	5.75	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	6.43	19.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 16-QAM)	LTE-FDD	5.79	±9.5
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% R8, 5 MHz, 64-QAM)	LTE-FDD	6.62	±8,8
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, GPSK)	LTE-FDD	6.56	±9.8
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	5.82	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	8.43	±9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDO	8.58	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 18-QAM)	LTE-FDD	5.46	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-DAM)	LTE-FDD	6.21	主章章
10169	CAF	LTE-FDD (SC-FDMA, 1 R8, 20 MHz, QPSK)	LTE-FDD	6.79	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 R8, 20 MHz, 16-QAM)	LTE-FDD	5.73	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, QPSK)	LTE-FDD	6.49	±9.6
10173	CAH	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, 18-QAM)	LTE-TDD	9.21	±9.6
10174	CAH	LTE-TOD (SC-FDMA, 1 RB, 20MHz, 84-QAM)	LTE-TDO	9.48	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, QPSK)	LTE-TDD	10.25	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 16-QAM)	LTE-FDD	5.72	±9.6
10177	CAJ	LTE-FOD (SC-FOMA, 1 RB, 5MHz, OPSK)	LTE-FDD	8.52	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-DAM)	LTE-FDD	5.73	±9.0
0178	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, GPSK)	LTE-FDD	6.50	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 18-QAM)	LTE-FDD	5.72	±9.8
10183	AAE	LTE-FOD (SC-FDMA, 1 RB, 15MHz, 18-QAM)	LTE-FDD	8.52	±₽.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-FDD	6.50	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 18-QAM)	LTE-FDD	5.73	±9.8
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	5.51	±9.6
An owner work that has	CAG	LTE-FOD (SC-FDMA, 1 RB, 1.4 MHz, GPSK)	LTE-FDD	6.50	±9,6
and the second	CAG		LTE-FDD	5.73	±9.6
and the second		LTE-FDD (SC-FDMA, 1 RB, 1,4 MHz, 15-QAM) LTE-FDD (SC-FDMA, 1 RB, 1,4 MHz, 54-QAM)	LTE-FDD	6.52	±9.6
a francisco de la composición de la compo	CAD	IEEE 802.11n (HT Greenfield, 8.5 Mbps, BPSK)	LTE-FDD	6.50	±9.6
the second se		IEEE 802.11n (H1 Greenfield, 6.5 Mops, BPSK) IEEE 802.11n (HT Greenfield, 39 Mops, 16-QAM)	WLAN	8.09	±9.6
		IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM) IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8,12	±9,8
			WLAN	8.21	±9.0
the state of the local division of the state		IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8:10	±9.6
the second state of the		IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
and the second se		IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±8.6
Personal division in which the		IEEE 802, 11n (HT Mixed, 7,2 Mbps, BPSK)	WLAN	8.03	±8.6
Approximation in the		IEEE 802 11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
Contract of the local division of the local		IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
and the second s		IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
of hard on the second second		IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
0.224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

Gertificate Nov EX-7622 New29

Reas to stop



November 24, 2023

UID	Bev	Communication System Name	Group	PAR (dB)	Unc ^E k =
0225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDO	9.49	19.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	I.TE-TDD	10.26	19.6
10.228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	19.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10,230	ĊAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-GAM)	LTE-TDD	10.25	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TOD	9.19	the second s
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	of an and a located as a second		:: 9.6
10233	CAH	LTE-TOD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-TOD LTE-TOD	9.48	±9.6
10234	CAH	LTE-TOD (SC-FOMA, 1 RB, 5MHz, QPSK)	and the second se	10.25	±9.6
10235	CAH	LTE-TOD (SC-FDMA, 1 RB, I0MHz, 16-QAM)	LTE-TOO	9.21	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10.237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TOD	10.25	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	and some the property of the second	9.21	19.6
10239	CAG	LTE-TDD (SC-FDMA, 1 R8, 15 MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 R8, 15MHz, GPSK)	LTE-TOD	10.25	±0.6
16241	CAC		LTE-TDD	9.21	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-GAM)	LTE-TDD	9.82	±8.6
		LTE-7DD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TOD	9.96	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TOD	9.46	2B.8
10244	CAE	LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 16-QAM)	LTE-TOD	10.05	8.9世
10245	CAE	LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% AB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
10247	CAH	LTE-TOD (SC-FOMA, 50% RB, 5 MHz, 16-QAM)	LTE-TOD	8.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-TDO	10,09	±9.6
10248	CAH	LTE-TOD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TOO	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% R8, 10 MHz, 16-QAM)	LTE-TDO	9.81	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz; 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAH	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	19.6
10253	CAG	LTE-TOD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-TDD	9.90	19.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10.255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10.255	CAC	LTE-TDD (SC-FDMA, 100% RS, 1.4 MHz, 18-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% FIS, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TOD (SC-FDMA, 100% R8, 3 MHz, 16-QAM)	LTE-TOD	9.98	±9.6
10260	CAE	LTE-TOD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH.	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-TDD	9.83	the second s
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD		±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% PB, 10 MHz, 15-QAM)	LTE-TDD	0.89	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% R8, 10 MHz, 64 QAM)	LTE-TDD	9,92	±9,8
10267	CAH	LTE-TDD (SC-FDMA, 100% R8, 10 MHz, QPSK)	and an	10.07	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 18-QAM)	LTE-TDD	9.30	29.6
0269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.06	1,9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDO	10,13	±9.8
10274	CAC	UMTS-FDD (HSUPA, Sublest 5, 3GPP Role.10)	LTE-TDD	9.58	±9.6
10275	CAC	UMTS-FDD (HSUPA, Subtest 5, 33PP Rel8.1)	WCDMA	4,87	±9.6
0277	CAA	PHS (QPSK)	WCDMA	3.96	±9.6
0278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11,81	±9.6
0.279	CAA	PHS (QPSK, BW 884 MHz, Roloff 0.38)	PHS	11.81	±9,6
erestablished and	AAB	COMA2000, RC1, SO55, Full Rate	PHS	12.18	±9.6
and the second se	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.91	±9,8
and the second sec	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.46	±9.0
a second s	AAB		CDMA2000	3.39	±9.6
and the second second	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
design of the second second	AAE	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	COMA2000	12.49	±9.6
		LTE FOD (SC-FOMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-FDD	5.72	19.6
	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-FDD	6.39	±9.6
	AAE	LTE FDD (SC-FDMA, 50% RB, SMHz, 64-QAM)	LTE-FDD	6.60	±9.6
	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WMAX	12.03	±9.6
	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	±9.6
	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6
the state of the s	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6
	AAA	IEEE 802.16e WIMAX (21:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	±9.6
0306	AAA .	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 640AM, PUSC, 18 symbols)	WIMAX	14.67	±9.6

Cartificate No: EX-7899 Nm/99

Pass 40 -1 00



November 24, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10307	AAA	IEEE 802.16e WIMAX (29.18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WIMAX	14.48	±9.6
10308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WIMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-FOD	6.06	29.6
10313	AAA	IDEN 1:3	IDEN	10.51	±9.6
10314	AAA	IDEN 1:5	IDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	19.6
10316	AAB	IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAE	IEEE 802.11a WFI 5 GHz (OFDM, fi Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10.352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±0.0
10354	AAA	Pulse Weveform (200Hz, 40%)	Ganaria	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 50%)	Generic	2.22	
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	the second se	19.6
10387	AAA	OPSK Wavatorm, 1 MHz	Generic	0.97	±9.6
10388	AAA	QPSK Waveform, 10 MHz		5.10	±9.8
10396	AAA	64-QAM Waveform, 100 kHz	Generic	5,22	±9.5
10399	AAA	64-GAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAE		Generic	8.27	±9.6
10400	AAE	IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10402	AAE	IEEE 802 11ac WIFI (40 MHz, 64-GAM, 99pc duty cycle)	WLAN	8.60	±9.8
		IEEE 802.11ac WIFI (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	19.6
10403	AAB	COMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	COMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10408	AAB	COMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	19.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Confe4)	LTE-TOD	7.82	19.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA.	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA.	IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10.417	AAC	IEEE 802.11am WIFI 5 GHz (OFDM, 6 Mops, 98pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambole)	WLAN	8.19	29.6
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbpa, SPSK)	WLAN	8.32	±9.6
10423	AAC;	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WEAN	8.47	19.6
10.424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	19.6
10425	AAC	IEEE 802.11n (HT Greenfield, 16 Mbps, 8PSK)	WLAN	8,41	19.5
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	19.6
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	19.6
0430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	19.6
10:431	AAE	LTE-FOD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	
0.432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM S 1)	LTE-FDD	0.30	19.6
0433	AAD.	LTE-FDD (OFDMA, 20MHz, E-TM 3.1)	LTE-FDD		±9.6
0434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)		8.34	±9.6
0435	AAG.	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	WCDMA	8.60	±8.6
0447	AAE	LTE-FOD (OFDMA, 5/MHz, E-TM 3.1, Cipping 44%)	LTE-TOO	7.82	±9.6
0448	AAE	LTE-FOD (OFDMA, 10 MHz, E-TM 3.1, Cippin 44%)	LTE-FDD	7.56	±9.6
0448	AAD	LTE-FDD (OFOMA, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	±9.6
0.450	AAD	LTE-FDD (OFDMA, 2D MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9,6
0451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	LTE-FDD	7,48	±9.6
0.453	AAE	Validation (Square, 10 ms, 1 ms)	WCDMA	7.59	±9.6
0.456	AAC	IEEE 802.11ac WFI (160 MHz, 84-QAM, 99pc duty cycle)	Test	10.00	±9.6
0457	AAB	UMTS-FDD (DC-HSDPA)	WLAN	8,63	±9.6
0458	AAA		WCDMA	6,62	±9.6
0459	AAA	CDMA2000 (1xEV-DC, Rev. B, 2 carriers)	CDMA2000	6,55	±9.8
0460	AAB	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
0460	AAC	UMTS-FOD (WCDMA, AMR)	WCDMA	2.39	±9.6
0461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1,4 MHz, OPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOO	7.82	±9.6
COLUMN STREET,	a sugar	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
0463	AAG	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 54-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TOD	8.56	±9.6
0464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
0.465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
0.466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
0.467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TDD	7.82	±0.6
0468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
0469	AAG	LTE-TOD (SC-FDMA, 1 R8, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.55	±9.6
0470	AAG	TE THE ICC COMA & DO LOAD - CONSIST & C.	LTE-TDO	7.82	±9.6
0471	AAG				

Certificate No: EX-7622 Nov23

Done 14 of 00



November 24, 2023

UID	Bev	Communication System Name	Group	PAR (dB)	Unc ^{II} k ~
10472	AAG	LTE-TDD (SC-FDMA, 1 AB, 10 MHz, 54-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
10.473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDO	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.32	±9.6
10.475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10.477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16 QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6 ±9.6
10479	AAG	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD		
10.480	AAC	LTE-TDD (SC-FDMA, 50% R8, 1.4 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)		7,74	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subtrame+2,3,4,7,8,9)	LTE-TDD	8.18	#9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, OPSK, UL Subhame-2,3,4,7,8,9)	LTE-TDD	8:45	±9.8
10483	AAD		LTE-TDD	7,71	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 16 QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 64 QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.8
10485	AAG		LTE-TDD	8.47	±9.8
10486	AAG	LTE-TDD (SC-FDMA, 50% FB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10487		LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	2,65
	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UE Subltame=2,3,4,7,8,9)	LTE-TOD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8.9)	LTE-TOD	7.70	±9.8
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.91	±9.6
10490	AAG	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TOD	8.54	29.8
10481	AAF	LTE-TOD (SC-FOMA, 50% RB, 15MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	7.74	19.6
10492	AAF	LTE-TOD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.41	±9.6
10483	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TOD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7,74	±9.6
10.495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframes/2,3,4,7,8,8)	LTE-TOD	8.37	1.0±
10.495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10.497	ANC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.67	±9.6
10498	AAC.	LTE-TDD (SC-FDMA, 100% R8, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	B.40	±9.6
10.499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 54-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	88.8	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% R8, 3 MHz, QPSK, UL Subfame=2,3,4,7,8,9)	LTE-TDD	7.67	29.6
10501	AAD	LTE-TDD (SC-FDMA, 100% R8, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,44	19.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UI, Subframe=2,3,4,7,8,9)	LTE-TDD	the second se	29.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RE, 5 MHz, 64-QAM, UI, Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	and the second se	8.54	±9.6
10507	AAG	LTE-TOD (SC-FOMA, 100% RB, 10MHz, 18-QAM, UL Subframe-2.3.4,7,8,9)	LTE-TDD	7.74	±9.8
10508	AAG	LTE-TDD (SC-FDMA, 100% HB, 10 MHz, 84-QAM, UL Subhame=2.3,4,7,8,9)	LTE-TDO	8.36	±9.6
10509	AAF	LTE-TDD (SC-FOMA, 100% RB, 15MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TDO	8.55	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 0FSA, 0C Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	19.6±
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 54-QAM, UL Subtrame-2.3,4,7,8,9)	LTE-TDD	8.49	±9.6
0512	AAG		LTE-TDD	8,51	±9.6
0513	AAG	LTE-TDD (SC-FOMA, 100% RE, 20 MHz, QPSK, UL Subitame-2,3,4,7,8,9)	LTE-TDD	7.74	+9.6
0514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
0515	AAA	LTE-TDD (SC-FDMA, 100% HB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	注9.6
0516	and an inclusion	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
and some shared in the	AAA	IEEE 602.11b WIFI 2.4 GHz (DSSS, 5.5 Mops, 99pc duty cycle)	WLAN	1.57	出9.6
0517	AAA	IEEE 802 11b WIFI 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	£9.6
0518	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WEAN	8.23	±9.6
0519	AAC	IEEE 802,11a/h WiFI 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
0520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
0521	AAG	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 98pc duty cycle)	WLAN	7.97	±9.6
0.522	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mops, 99pc duty cycle)	WEAN	8.45	±8.6
0.523	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mops, 99pc duty cycle)	WLAN	8.08	±9.8
0.524	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
0.525	AAC	IEEE 802.11ac WIFI (20 MHz; MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
0.526	AAC	IEEE 802.11ac WIFI (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	29.6
0.527	AAC	IEEE 802.11ac WiFI (20 MHz, MCS2, 98pc duty cycle)	WLAN	8.21	±9.6
0528	AAC	IEEE 802.11ac WiFI (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.38	±9.6
0829	AAC	IEEE 802 11ac WIFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	
0531	AAC	IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN		±9.8
0532	AAC	IEEE 802,11ac WIFI (20 MHz, MCS7, 99pc duty cycle)		8.43	±9.6
0533	AAC	IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
0534	AAC	IEEE 802.11ac WIFI (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.38	±9.6
0535	AAC	IEEE 602.11ac WIFI (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	土泉.6
0536	AAC	IEEE 602.11ac WFI (40 MHz, MCS1, 990c duty cycle)	WLAN	8.45	±9.6
0.537	AAC	IEEE 802.11ac WFI (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 95pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS4, 95pc duty cycle)	WLAN	8.44	±9.6
the second s		IEEE 003 11 to MEE (40 MEA, MOON, SUPER)	WLAN	8.54	±9.8
a service of the	1.11.11.00	IEEE 802.11ac WIFI (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

Certificate No: EX-7692 New29

Deen IE of the



November 24, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10541	AAC	IEEE 802.11ac WIFI (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAC	IEEE 802.11ac WIFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WIFI (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WIFI (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	19.6
10547	AAC	IEEE 802.11ac WIFI (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.8
10548	AAC	IEEE 802.11ac WIFi (80MHz, MCS4, 99pc duty cycle)	WLAN	8.37	10.6
10550	AAC	IEEE 802,11ac WFI (80MHz, MCSS, 99pc duty cycle)	WLAN	6.38	±9.6
10.551	AAC	IEEE 802.11ao WIFI (80MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAC	IEEE 802,11ac WIFI (80 MHz; MCS8, 99pc duty cycle)	WLAN	8.42	±8.8
10.553	AAC	IEEE 802.11ac WIFI (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10.554	AAD	IEEE 802,11ac WFI (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAD	IEEE 802.11ac WIFI (160 MHz, MCS1, 89pc duty cycle)	WLAN	8.67	+9.8
10.556	GAA	IEEE 802.11ac WFI (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAD	IEEE 802.11ac WIFI (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAD	IEEE 802.11ac WFI (160 MHz, MCS4, 89pc duty cycle)	WLAN	8.81	19.6
10560	AAD	IEEE 802 11ac WIFI (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAD	IEEE 802.11ac WIFI (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	11000
10562	GAA	IEEE 802.11ac WIFI (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.0
10563	AAD	IEEE 802,11ac WFI (180 MHz, MCSB, 99cc duty cycle)	WLAN	8.09	19.5
10564	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 3 Mbps, 39pc duty cycle)		the second se	19.6
10568	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	19.6
10567	AAA	IEEE 802.11g WFI 2.4 GHz (DSS5-OFDM, 24 Mbps, 99pc duty cycle)		8.13	3.9.6
10.568	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.00	±9.8
10569	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.37	±8.6
10570	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 84 Mbps, 96pc duty cycle)	WLAN	8.10	±9.6
10.571	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS-OFUNK, b4 Mbps, 98pc duty cycle)	WLAN	5.30	±9.6
10.572	AAA	IEEE 802 11b WIFI 2.4 GHz (DSSS, 1 Mops, 90pc duty cycle)	WLAN	1.99	#9,6
0.573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	29.6
10574	AAA	IEEE 802 11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±8.6
10575	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, & Mbps, 90pc duty cycle)	WLAN	1.98	#9.6
10578	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFOM, 8 Mbps, 90pc duty cycle)	WLAN	8.59	2.9.5
10577	AAA	IEEE 802.11g WFI2.4 GHz (0505-0F0M, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10578	AAA	IEEE 802.11g WFI 2.4 GHz (USSS-OF DM, 12 Mbps, 90pc duty cycle) IEEE 802.11g WFI 2.4 GHz (DSSS-OF DM, 18 Mbps, 90pc duty cycle)	WLAN	8.70	19.8
10579	AAA	IEEE 802.11g WFI 2.4 GHz (USSS-OF DM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.8
10580	AAA	IEEE 802.11g WFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.36	±9.8
10581	AAA	IEEE 802.11g WFI 2.4 GHz (05SS-OF DM, 38 Mbps, 90pc duty cycle)	WLAN	8.76	£9.6
0582	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mpps, subc duty cycle)	WLAN	8.35	±9.0
0583	AAC	IEEE 802.11a/h WFI 5 DHz (OFDM, 5 Mbps, 90pc duty cycle)	WLAN	8.67	主身,卷
0584	AAC		WLAN	8.59	±9.6
0.585	ANC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.0
0.586	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
0.587	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	0.0±
0588	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.38	±9.6
0588	AAC	IEEE 802 11 wh WFI 5 GHz (CFOM: 36 Mbps, 90pc duty cycle)	WLAN	8.76	1.9.6
0590	AAC	IEEE 802.11 wh WFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.5
0590	AAC	IEEE 802 11a/h WFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
0592	AAC.	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
0593	AAC A	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
		IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
0.594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
0.595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	#9.6
0.596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
0597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
0598	AAC	IEEE 802.11n (HT Mixed, 20/MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
0599	AAC .	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
0600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
0601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
0602	MC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
0803	AAG	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
0604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCSS, 90pc duty cycle)	WLAN	8.76	±8.6
0605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS8, 90pc duty cycle)	WLAN	8.97	±9.6
0.606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.8
0.607	AAG.	IEEE 802.11ac WIFI (20 MHz, MCB0, 90pc duty cycle)	WLAN	8.64	±9.0
0.608	AAC	IEEE 802.11ac WIFI (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

Cartificate No: 57.7692 Nov.99

Per- 44 .1 AM



November 24, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc [®] k =
10609	AAC	IEEE 802.11ac WIFI (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAC	IEEE 802.11ac WIFI (20 MHz, MCS3, 90pc duty cycle)	WLAN	and the second second	
10611	AAC	IEEE 802 11ac WIFI (20 MHz, MCS4, 90pc duty cycle)		8.78	±9.6
10612	AAC		WLAN	8.70	±9.6
10613	AAC	IEEE 802 11ac WIFI (20 MHz, MCSS, 90pc duty cycle)	WLAN	8.77	±9.6
10814	the state of the s	IEEE 802.11ac WIFI (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
	AAC	IEEE 802.11ac WIFI (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10515	AAC	IEEE 802.11 to WIFI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAC	IEEE 802.11ao WIFI (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAC	IEEE 802.11ac WIFI (40 MHz, MCS2, 50pc duty cycle)	WLAN	8,58	±9,6
10619	AAC	IEEE 802,11ac WIFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.99	19.6
10620	AAC	IEEE 802.11ad WIFI (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAC	IEEE 802,11ac WFI (40 MHz, MC55, 90pc duty cycle)	WLAN	B.77	±9.6
10622	AAC	IEEE 802.11ac WFI (40 MHz, MC68, 90pc duty cycle)	WLAN	8.68	29.6
10623	AAC	IEEE 802.11ac WIFI (40 MHz, MC57, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAC	IEEE 802.11ac WFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	
10625	AAC	IEEE 802.11ac WFI (40 MHz, MCS9, 90pp duty cycle)			29.6
10626	AAC	IEEE 802 11ac WIFI (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAC		WLAN	8,83	±9.6
	and when the state of the	IEEE 802-11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.65	±9.6
10628	AAC	IEEE 802.11an WiFI (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	19.6
10630	AAC	IEEE 802 11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAG	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	19.6
10632	AAC	IEEE 802.11ao WIFI (80 MHz, MCS6, 90pc duty cycle)	WLAN	B.74	19.6
10633	AAC	IEEE 802,11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAC	IEEE 802.11ao WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ao WIFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	+9.6
10636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN		
10637	AAD	IEEE 802.11ac WIFI (160 MHz, MCS1, 90pc duty cycle)	WLAN	8,63	±9.6
10638	AAD	IEEE 802,11ac WFI (160 MHz, MCS2, 90pc duty cycle)	Construction of the second sec	8.79	±9,6
10639	AAD	IEEE 802.11ac WFI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10640	AAD		WLAN	8.85	±9.6
10641	AAD	IEEE 802.11ac WiFI (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.95	±9.6
10642	AAD	IEEE 802.11as WIFI (160 MHz, MCSS, 90pc duty cycle)	WLAN	9,06	29.6
A DOUBLE AND A	- A	IEEE 802.11ac WIFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.05	±9.6
10643	AAD	IEEE 802.11ac WIFI (168 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.8
10644	AAD	IEEE 802.11az WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAD.	IEEE 802.11ac WIFI (180 MHz, MCS9, 90pc duty cycle)	WLAN	8.11	19.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subtrame=2,7)	LTE-TDD	11.96	19.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, OPSK, UL Subframe=2,7)	LTE-TOD	11.96	±9.6
0.648	AAA	COMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
0.652	AAF	LTE-TOD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	8.91	±9.6
0.953	AAF	LTE-TOD (OFDMA, 10 MHz, E-TM 0.1, Clipping 44%)	LTE-TDD	7.42	10.0
0854	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.98	29.6
0.655	AAF.	LTE-TDD (OFDMA; 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7,21	
0658	AAB	Pulse Waveform (200Hz, 10%)	Test	and the second se	3.9.6
0.659	AAB	Pulse Waveform (200Hz, 20%)		10.00	±9.6
0660	AAB	Pulse Waveform (200Hz, 40%)	Test	6.99	2.9.6
0661	AAB	Pulse Waveform (200Hz, 60%)	Test	3.98	±9.5
0662	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	19.6
0670	AAA	Bluetooth Low Energy	Test	0.97	±9.6
and the second second	AAC		Bluetpoth	2.19	19.6
		IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	0.09	±9.6
	AAG	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
	AAC	IEEE 802.11ex (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
C	AAC	IEEE 902.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS5, 80pc duty cycle)	WLAN	8.77	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.0
0678	AAC.	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	19.6
0670	AAC.	IEEE 802.11ax (20 MHz, MCS8, B0pc duty cycle)	WLAN		
0680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.89	19.6
	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)		8.80	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.62	±8.0
	AAG	IEEE 802.11ax (20 MHz, MCB0, 99pc duty cycle)	WLAN	8.83	±9,6
	AAC		WLAN	8.42	±9.6
	and the second se	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8,26	±9.8
	AAC	IEEE 802.11ax (20 MHz, MC62, 99pc duty cycle) IEEE 802.11ax (20 MHz, MC63, 99pc duty cycle)	WEAN	8.33	±9.8
0686			WLAN		

Certificate Alor EX.7822 Minu29

Pere 411



November 24, 2023

uib	Rev	Communication System Name	Group	PAR (dB)	Unc [®] k o
10687	AAC	IEEE 802.11ax (20 MHz, MC54, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCSS, 99pc duty cycle)	WLAN	8.29	+9.6
10689	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8:55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802,11 ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10.695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10.696	AAC	IEEE 802,11ax (40 MHz, MCS1, 60pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10.698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	10.6
10.699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.8
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MC56, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802-11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10.704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pp duty cycle)	WLAN	8.58	±9.6
10705	AAC	IEEE 802.11ex (40 MHz, MCS10, 90pc duty cycle)	WLAN	8,69	±9.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.65	19.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10708	AAC	IEEE 802 11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.5 ±9.6
10706	AAG	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	29.6
10710	AAC	IEEE 802 11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	the state of the s
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	19.6 19.8
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99cc duty cycle)	WLAN	6.33	±9.6 ±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN		19.6
10717	AAC	IEEE 802.11ax (40 MHz, MCB10, 99pc duty cycle)	WLAN	8.30	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.48	+9.6
10719	AAC	IEEE 802.11ax (80 MHz, MC50, 90pc duty cycle)	WLAN	8.24	29.8
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10721	AAC	IEEE 902.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	and the local data and the local	±9.6
10722	AAC	IEEE 802 11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.76	±0.8
10723	AAC	IEEE 602.11ax (B0 MHz, MCS4, 90pc duty cycle)	WLAN	8.55	±9.8
10724	AAC	IEEE 802 11ax (80 MHz, MC65, 90pc duty cycle)	WLAN	8.70	±98
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	£9.8
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.74	±9.8
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.72	19.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.66	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.65	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	1 4/16/2012	8.64	19.8
10731	AAC	IEEE 802.11ax (60 MHz, MC50, 99pc duty cycle)	WLAN MLAN	8.67	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pp duty cycle)	WLAN WLAN	8.42	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.46	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.40	±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MC54, 99pc duty cycle)	WLAN	8.25	29.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS8, 98pc duty cycle)	WLAN	8.33	6.6
10.737	AAC.	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.27	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 98pc duty cycle)	WLAN	8.36	±9.8
10739	AAC	IEEE 602.11ax (60 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
0741	AAC.	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	19.6
0742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.40	±9.0
0743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.43	±9.6
0744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.94	±9.6
	AAC	IEEE 802.11as (160 MHz, MCS2, 90pc duty cycle)	WLAN	9.16	2,9.6
	AAC	IEEE 802.11ax (160 MHz, MC32, 900c bbly cycle)	WLAN	8.93	±9.0
	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.11	±9.6
and the second se	AAC	IEEE 802.11ax (160 MHz, MCS4, 30pc duty cycle) IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.04	±8.6
	AAC.	IEEE 802 11as (180 Miles MOSE of the solution	WLAN	8.93	±9.6
the second s	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.90	±9.0
	AAC	IEEE 802.11ex (100 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
and the second se	AAC	IEEE 882.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
W734E	PMPN4	IEEE 802.11ax (160 MHz, MC59, 90pc duty cycle)	WLAN	8.81	±9.6

Certificate Nn: FX-7692 Nm/23

Dage 10 -1 00



November 24, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10753	AAC	IEEE 802 11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11sx (160 MHz, MCS11, 90ps duty cycle)	WLAN	8.94	±9.6
10.755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	B.64	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 95pp duty cycle)	WEAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MOS2, 99pc duty cycle)	WLAN	B.77	±9.8
10758	AAC	IEEE 802.11ax (160 MHz, MCSS, 99pc duty cycle)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10766	AAC	IEEE 902 11ax (160 MHz, MCS5, 89pc duty cycle)	WLAN	8.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10.763	AAG	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAG	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10.765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	19.6
10767	AAE	50 NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	19.6
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.02	±9.6
10.772	AAD	5G NR (CP-OFDM, 1 RB, S0 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	8.23	+9.6
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	19.6
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	19.6
10775	AAD	5G NR (CP-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	50 NR FR1 TDD	8.31	19.6
10778	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	B.30	19.5
10777	AAC	6G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, GPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10.782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	29.6
10783	AAE	5G NR (CP-OFDM, 100% R8, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	19.6
10784	AAD	5G NR (CP-OFDM, 100% R8, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.8
10785	AAD	5G NR (CP-OFOM, 100% R8, 15 MHz, QPSK, 15 kHz)	SG NR FRI TDD	8.40	±0.6
10786	AAD	5G NR (CP-OFOM, 100% R8, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	19.6
10787	AAD	5G NR (CP-OFOM, 100% RB, 25 MHz, QPSK, 15kHz)	5G NR FR1 TDO	8.44	19.6
10788	AAD	SG NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15kHz)	5G NR FR1 TDO	8.39	19.6
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, GPSK, 15kHz)	50 NR FR1 TDD	8.37	±9.6
10790.	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	50 NR FR1 TDD	8.39	±9.0
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAD	5G NR (CP-OFDM, 1 R8, 10 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 R8, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAD	5G NR (CP-OFDM, 1 R8, 20 MHz, GPSK, 30 kHz)	5G NR FRI TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK; 30 kHz)	5G NR FR1 TDD	7.84	±9.5
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	7.82	19.6
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	6G NR FR1 TOD	8.01	±9.6
10,798	AAD	5G NR (CP-OFDM, 1 R8, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	7.89	19.6
10799	AAD	5G NR (CP-OFOM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	19.6
10801	AAD	SG NR [CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz]	5G NR FR1 TDD	7.89	19.6
0.802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	9G NR FR1 TDD	7.87	±9.6
0.903	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, GPSK, 30 kHz)	SG NR FR1 TDD	7.93	19.8
0.905	AAD	SG NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0.805	AAD	SG NR (CP-OFDM, 50% RB, 15 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.8
0.909	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0810	AAD	50 NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	B.34	±9.6
0812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	50 NR FRI TDD	8.35	±9.6
0817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
8180	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0819		53 NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
0820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
0821	AAD	6G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
0822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
terioreturning.	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±8.6
and the second	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
a destination of the second second	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.41	±9.6
and the state of the	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.42	±9.5
0828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

Carlificate Net EV.7699 Mauros

n-----



November 24, 2023

UND	Rev	Communication System Name	Group	PAR (dB)	Uno ^{ff} k =
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	B.40	19.6
10830	AAD	SG NR (CP-OFDM, 1 RB, 10 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	7.63	19.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAD	5G NR (CP-OFDM, 1 RB, 20MHz, OPSK, 60kHz)	SG NR FR1 TDO	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.70	+9.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	56 NR FR1 TDD	7.75	19.6
10.835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	19.6
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	50 NR FR1 TDD	7.66	19.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	19.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.70	19.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.87	±9.6
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±0.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±0.0 ±9.6
10.544	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, GPSK, 60 kHz)	5G NR FR1 TDD	8.34	
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,41	29,6
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	53 NR FR1 TDD	the second s	29.5
10855	AAD	5G NR (CP-CFDM, 100% RB, 15 MHz, QPSK, 60 kHz)		8.34	元9.6
10856	AAD	5G NR (CP-OFDM, 100% RE, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.8
10857	AAD	50 NR (CP-OFDM, 100% R8, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	19.6
10858	AAD	5G NR (CP OFDM, 100% RB, 30 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.35	19.6
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10.061	AAD	SG NR (CP-OFDM, 100% RB, 60 MHz, GPSK, 60 KHz) SG NR (CP-OFDM, 100% RB, 60 MHz, GPSK, 60 KHz)	5G NR FR1 TDD	8.41	±9.6
10863	AAD		SG NR FR1 TDD	8.40	±9.6
10864	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,41	19.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10.865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QP5K, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
		5G NR (DFT-s-OFDM, 1 R8, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	29.6
10868	AAD	5G NR (DFT-e-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	. 19.6
10869	AAE	5G NR (DFT+-OFDM, 1 RB, 100 MHz, OP8K, 120 kHz)	5G NR FR2 TDD	5.75	\$.9.¢
10870	AAE	5G NR (DFTs-OFDM, 100% R8, 100 MHz, QP5K, 120 kHz)	5G NR FR2 TDD	5.86	±9.8
10871	AAE	5G NR (DFT-e-OFDM, 1 RB, 109MHz, 16QAM, 120kHz)	5G NR FR2 TDD	5.75	±9.6
	AAE	5G NR (DFT-a-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10,873	AAE	5G NR (DFT-a-OFDM, 1 R8, 100 MHz, 64DAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFTs-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	50 NR FR2 TDD	6.65	78°E
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	50 NR FR2 TDD	7.78	±9.6
10876	AAE	5G NR (CP-CFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 R8, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±8.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 54QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
0880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 54QAM, 120 kHz)	5G NR FR2 TDD	8,38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	9G NR FR2 TDD	5,75	±9.6
0882	AAE	5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
0.883	AAE	5G NR (DFT-9-OFDM, 1 R8, 50 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	6.57	29.6
10884	AAE	5G NR (DFT-8-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
0885	AAE	5G NR (DFT-a-OFDM, 1 RB, 50 MHz, 640AM, 120 kHz)	SG NR FR2 TDD	6.61	±8.6
0886	AAE	SG NR (DFTs-OFDM, 100% RB, SOMHz, 64QAM, 120kHz)	5G NR FR2 TOD	6.65	±9.6
0887	AAE	5G NR (CP-OFDM, 1 RB, 80 MHz, OPSK, 120 kHz)	5G NR FR2 TOD	7.78	±9.0
0.688	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
0889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 129 kHz)	5G NR FR2 TDD	8.02	±9.6
0890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	53 NR FR2 TDD	8.40	±9.6
0891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	53 NR FR2 TDD	8.13	±9.6
2680	AAE	5G NR (CP-OFDM, 100% R8, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	19.6
0897	AAC:	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.66	±9.6
0898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.67	19.6
0889	AVB	5G NR (DFTs-OFDM, 1 RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.67	±9.6
0900	AAB	5G NR (DFTs-OFDM, I RE, 20MHz, QPSK, 30kHz)	5G NR FR1 TDO	5.68	+9.6
0901	AAB	5G NR (DFT-6-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,68	+9.6
0902	AAE	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	#9.6
0903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.68	±9.6
0904	AAB	5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0905	AAB	5G NR (DFTs-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	19.6
0905	AAB	5G NR (DFT= OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	
0.907	AAC	50 NR (DFT+s-OFOM, 50% R8, 5 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.78	±9.6
8090	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
0909	AAB	50 NR (DFT-s-OFDM, 50% R8, 15 MHz, GPSK, 30 kHz)	5G NR FR1 TOD	5.96	±9.8
0190	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30kHz)	5G NR FR1 T00	the second se	±9.6
- Contraction of the local division of the l	and the second second	Contraction of the second s	00 MM PH1 100	5.83	±6.6

Certificate Nn: FX-7699 Nov99

0..... 00 ... 00



November 24, 2023

UID	Bav	Communication System Name	Group	PAR (dB)	Unc ^E k +
10.911	AAB	50 NR (DFTe-OFDM, 55% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFTs-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.84	±9.6
10.913	AAB	5G NR (DFTs-OFDM, 50% RB, 40 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10.914	AAB	5G NR (DFTs-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	SG NR FR1 TDD		
10915	AAB	5G NR (DFT= OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)		5.85	±9.6
10916	AAB	SG NR (DFT=OFDM, 50% RB, 80 MHz, OPSK, 30 kHz)	SG NR FR1 TDD	5.83	±9.6
construction of the special sectors of the sp	and the second second		56 NR FR1 TDD	5.87	±9.6
10917	AAB	5G NR (DFT+-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	6.94	±9.6
10918	AAC	5G NR (DFT-6-OFDM, 100% R8, 5 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.86	::9.6
10919	AAB	5G NB (DFT#-OFDM, 100% R8, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT=-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAB	5G NR (DFT=-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10.922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAB	5G NR (DFT-6-OFDM, 100% R8, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAB	5G NR (DFT+-OFDM, 100% RB, 40 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	BAA	5G NR (DFTs-OFDM, 100% R8, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	::8.6
10926	AAB	5G NR (DFT=-OFDM, 100% R8, 60 MHz, QPSK, 30 kHz)	50 NR FR1 TDD		and the second sec
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)		5,84	±9.6
10.928	AAC	5G NR (DFT=OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	5.94	±₩.₩
and the second sectors			50 NR FR1 FDD	5,52	±9.6
10929	AAC	5G NR (DFT= OFOM, 1 R8, 10 MHz, QPSK, 15kHz)	53 NR FR1 FDD	5.52	±9.8
10930	AAC	5G NR (DFT=-OFDM, 1 RB, 15MHz, QPSK, 15HHz)	5G NR FR1 FDD	5.52	29.5
10931	AAC	5G NR (DFT=OFDM, 1 R8, 20 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.51	±9.8
10932	AAC	5G NR (DFT-e-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	AAC	5G NR (DFT+e-OFDM; 1 RB, 40 MHz; QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAD	5G NR (DFT-8-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.61	±9.6
10936	AAC	5G NR (DFT-8-OFDM, 50% R8, 5MHz, OPSK, 15kHz)	5G NR FR1 FD0	6.90	19.6
10937	AAC	5G NR (DFT-e-OFDM, 50% RB, 10 MHz, OPSK, 15 kHz)	5G NR FR1 FD0	5.77	and the second se
10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)		and the second se	±9.6
10939	AAC	50 NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FD0	5.90	19.6
10940	AAC		5G NR FR1 FDD	5.82	±9.6
territoria and	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	50 NR FR1 FD0	5.89	注9.6
10941	and the location	50 NR (DFT-e-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.83	注9.6
10942	AAC	5G NR (DFT+-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-6-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAC	53 NR (DFFs-OFDM, 100% R8, 5 MHz, QP5K, 15 kHz)	5G NR FR1 FDD	5.81	±9.8
10945	AAC	5G NR (DFT-e-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (OFT-II-OFOM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT+-OFDM, 100% RB, 25 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.94	±9.6
10948	AAC:	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10960	AAC.	5G NR (DFT-8-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAD	5G NR (DFT-e-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	SG NR FR1 FDD	5.92	the second se
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15kHz)			±9.6
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10954	AAA	SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz)	5G NR FR1 FD0	8.15	19.6
10955	AAA		5G NR FR1 FDD	8.23	主臣,自
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
	and the second se	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 84-QAM, 30 kHz)	5G NR FR1 FDD	8.14	29.8
10957	444	56 NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	1:9.6
10958	AAA	53 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10969	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-OFDM, TM 3.1, 5 MHz, 84-QAM, 15 kHz)	5G NR FR1 TDD	9.82	±9.6
0.961	AAB	SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	50 NR FRI TOD	9.36	±9.0
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FRI TDD	9.40	±9.6
0.963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	50 NR FR1 TDD	9.55	the second se
0954	AAC	SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD		±9.6
0965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 54-QAM, 30 KHz)		9.29	±9.6
0996	AAB	5G NRI DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	50 NR FR1 TDD	9.37	出現出 (1)
0967	BAA	50 NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
0968	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	8.8±
0972			5G NR FR1 TOD	9.49	±9.6
the second se		5G NR (CP-OFDM, 1 R8, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
0973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 36 kHz)	5G NR FR1 TDD	9.06	±9.6
0974	AAE	5G NR (CP-OFOM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TOD	10.28	±9.6
0978	AAA	ULLA BDR	ULLA	1.16	19.6
0978	AAA	ULLA HDR4	ULLA	8.58	±9.6
0980	AAA	ULLA HDRE	ULLA		the second se
0981	AAA	ULLA HDRp4		10.32	±9.6
0982	AAA	ULLA HDRp8	ULLA	3,19	±9.6
	1000		ULLA,	3.43	±9.6

Certificate No: FX-7692 Nov29

Doos Of all no



November 24, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 3
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15kHz)	5G NR FR1 TOD	9.31	19.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.42	+9.6
10985	AAA	6G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FRI TOD	9.54	19.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	SG NR FR1 TOO	9.50	19.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 84-QAM, 30 KHz)	50 NR FR1 TDO	9.33	±9.6
10,990	AAA	5G NR DL (CP-OFOM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FRI TDO	9.52	±9.8
11003	AAA,	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 84-QAM, 15 kHz)	5G NR FRI TDD	10.24	+9.6
11004	AAA	5G NR DL (CP-DFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11005	AAA	5B NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	+9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-DAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-DAM, 15 kHz)	5G NR FR1 F00	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64 QAM, 30 kHz)	5G NR FR1 FDD	8:76	±9.8
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64 QAM, 30 kHz)	5G NR FR1 FDD	8.95	+9.6
11011	AAA,	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 54-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8,47	±9.6
11014	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAA	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	B.64	±9.6
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11.017	AAA	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	19.6
11018	AAA	IEEE 802.11be (320 MHz, MCS6, 99pb duty cycle)	WLAN	8.40	±9.6
11019	AAA	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	19.6
11021	AAA	IEEE 802.11be (320 MHz, MCS8, 98pc duty cycle)	WLAN	8.48	+9.6
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 98pc duty cycle)	WLAN	8.36	+9.6
11023	AAA	IEEE 802.11be (320 MHz, MCS11, 98pc duty cycle)	WLAN	8.09	+9.6
11024	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	+9.6
11025	AAA	IEEE 802 11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAA	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

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

Certificate No. EV.7633 Mauros



Calibration La Schmid & Part Engineering A	y of	$(\mathbf{\hat{+}})$	C Ser	weizerischer Kalibrierdien: vice suisse d'étalonnage vizio svizzero di taratura iss Calibration Service		
Zeughausstrasse 4	3, 8004 Zur	ich, Switzerland	MON .	a a		
ccredited by the Swiss Accreditation Service (SAS) he Swiss Accreditation Service is one of the signatories to the EA lultilateral Agreement for the recognition of calibration certificates					Accredi	tation No.: SCS 0108
Client HCT Gyeor		apublic of Korea		Certificate No.	EX-7	702_Jan24
CALIBRAT	TION C	ERTIFICATE		2 7/2	÷	this
Object		EX3DV4 - SN:7	702	500	7/42	(J HEZ 1024.02.01
Calibration date		QA CAL-25.v8 Calibration proc January 22, 202		metric E-field pr	obes	
The measurement All calibrations ha	its and the i	cuments the traceability to uncertainties with confidence inducted in the closed labor	e probability are g atory facility: envir	iven on the following	pages and	are part of the certificate.
Calibration Equip	ment used	(M&TE critical for calibration	n)			
Primary Standard	8.	ID	Cal Date (C	ertificate No.)		Scheduled Calibration
Power meter NRP	2	SN: 104778		No. 217-03804/03805	1:	Mar-24
Power sensor NR	P-Z91	SN: 103244		No. 217-03804)		Mar-24
OCP DAK-3.5 (we	sighted)	SN: 1249	05-Oct-23 (0	CP-DAK3.5-1249_0	ct23)	Oct-24
OCP DAK-12		SN: 1016		OCP-DAK12-1016_O	(123)	Oct-24
Reference 20 dB /	Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)		Mar-24
DAE4		SN; 660.		No. DAE4-660_Mar23		Mar-24
Reference Probe	EX3DV4	SN: 7349	03-Nov-23 (No. EX3-7349_Nov23	<u>()</u>	Nov-24
Sanandaru Siandi	ante	10	Ohash Parts	Re haven		Automatical Automatical
Secondary Standa Power meter E44		SN: GB41293874	Check Date	And the second se		Scheduled Check
Power sensor E44		SN: GB41293874 SN: MY41498087		n house check Jun-22		In house check: Jun-24
Power sensor E44		SN: 000110210		n house check Jun-22 n house check Jun-22		In house check: Jun-24
RF generator HP		SN: US3642U01700	and the second se	n house check Jun-22	· · · · · · · · · · · · · · · · · · ·	In house check: Jun-24
Network Analyzer		SN:11941080477		n house check Jun-2		In house check: Jun-24

	Name	Function	Signature
Calibrated by	Joanna Lleshaj	Laboratory Technician	Appleuly
Approved by	Sven Kühn	Technical Manager	Son
This calibration certificat	te shall not be reproduced except in	full without written approval of the lab	Issued: January 23, 2024 oratory.

Certificate No: EX-7702_Jan24

Page 1 of 22



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



Schweizerlscher 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 Multilateral Agreement for the recognition of calibration certificates

Glossary

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
COLOR COLOR COLOR COLOR	and the second
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression paint
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization φ	φ rotation around probe axis
Polarization 8	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

and make and a state in the angle proof sensor X to the robot coordinate syste

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 ∂ = 0 (f ≤ 900MHz in TEM-cell; f > 1800MHz: 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(I)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. 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 ≤ 800MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx, y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ±50 MHz to ±100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Certificate No: EX-7702_Jan24

Page 2 of 22

F-TP22-03 (Rev. 06)



January 22, 2024

Parameters of Probe: EX3DV4 - SN:7702

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (µV/(V/m) ²) ^A	0.67	0.64	0.67	±10.1%
DCP (mV) B	104,1	107.2	106.2	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	с	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	118.8	±1.2%	±4.7%
	11111111111111111111111111111111111111	Y	0.00	0.00	1.00	1.1111465	135.5	20000	122222222
		Z	0.00	0.00	1.00		118.8	1	
10352	Pulse Waveform (200Hz, 10%)	X	1.67	61.29	6.68	10.00	60.0	±2.8%	±9.6%
		Y	1.64	61.10	6.68		60.0		
		Z	1.65	61.20	6.61	-	60.0	1	
10353	Pulse Waveform (200Hz, 20%)	X	0.79	60.00	4.87	6.99	80.0	±2.4%	±9.6%
		Y	0.81	60.00	4.99	050358	80.0	0.52.53	- 199000
		Z	0.82	60.00	4.91		80.0	1	
10354	Pulse Waveform (200Hz, 40%)	X	0.00	122.83	0.60	3.98	95.0	±2.7%	±9.6%
	ACCALCULATION AND A CONTRACT AND A CONTRACT	Y	0.51	159.33	13.45	1286331	95.0	00000485	0.0000000
	A LOW AND A CONTRACT OF A LOW AND A LOW AND A LOW AND A	2	0.06	128.52	0.13		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	9.91	153.38	2.02	2.22	120.0	±1.6%	±9.6%
		Y	10.06	159.29	15.96		120.0		
		Z	9.36	157.95	27.07		120.0		
10387	OPSK Waveform, 1 MHz	X	0.78	64.77	12.79	1.00	17.22.1.1.1	±4.0%	±9.6%
		Y	0.62	64.54	12.89	1.12	150.0	±4.070	201010
		Z	0.65	63.61	12.15		150.0		
10388	OPSK Waveform , 10 MHz	X	1.47	65.40	14.08	0.00	150.0	±1.3%	±9.6%
		Y	1.41	66.24	14.19	0.00000	150.0	12112120	52.010 20
		Z	1.38	65.11	13.76		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.59	63.22	15.44	3.01	150.0	±1.2%	±9.6%
		Y	1.72	64.74	16.00		150.0		
		Z	1.62	63.77	15.60		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.93	65.92	14.99	0.00	150.0	±1.7%	±9.6%
		Y	2.88	66.43	15.16	12/22/2	150.0	1.7.70	
		Z	2.85	65.82	14.86		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.20	66.18	15.53	0.00	150.0	±3.4%	±9.6%
		Y	3.86	66.00	15.28	2000071	150.0	000000000	
		Z	4.07	66.18	15.43		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%.

A The uncertainties of Norm X, Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).
 B Linearization parameter uncertainty for maximum specified field strength.
 E Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Certificate No: EX-7702 Jan24

Page 3 of 22



January 22, 2024

Parameters of Probe: EX3DV4 - SN:7702

Sensor Model Parameters

	C1 fF	C2 1F	ν ^α ν ⁻¹	T1 ms V ⁻²	T2 msV ⁻¹	T3 ms	T4 V 2	T5 V-1	Т6
х	14.1	102.90	33.96	2.27	0.00	4.90	0.00	0.04	1.00
y I	10.2	73.08	32.64	2.58	0.00	4.90	0.45	0.00	1.00
z	12.3	88.54	33.23	3.60	0.00	4.90	0.33	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-43.6°
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: EX-7702_Jan24

Page 4 of 22



January 22, 2024

Parameters of Probe: EX3DV4 - SN:7702

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	41.9	0.89	9.65	10.07	8.84	0.42	1.27	±12.0%
835	41.5	0.90	9,78	10.51	9.13	0.41	1.27	±12.0%
900	41.5	0.97	8.96	9.74	8.66	0.41	1.27	±12.0%
1640	40.2	1.31	7.99	8.29	7.49	0.45	1.27	±12.0%
1750	40.1	1.37	8.49	8.77	7.91	0.26	1.27	±12.0%
1900	40.0	1.40	8.13	8.45	7.61	0.28	1.27	±12.0%
2300	39.5	1.67	7.57	7.87	7.12	0.31	1.27	±12.0%
2450	39.2	1.80	7.85	8,15	7.38	0.30	1.27	±12.0%
2600	39.0	1.96	7.48	7.77	7.04	0.29	1.27	±12.0%
3300	38.2	2.71	6.93	7.15	6.52	0.35	1.27	±14.0%
3500	37.9	2.91	7.04	7.25	6.60	0.35	1.27	±14.0%
3700	37.7	3.12	6.98	7.19	6.58	0.35	1.27	±14.0%
3900	37.5	3.32	6.77	6.96	6.39	0.37	1.27	±14.0%
4100	37.2	3.53	6.61	6.80	6.23	0.37	1.27	±14.0%
5250	35.9	4.71	5.60	5.74	5.28	0.35	1.62	±14.0%
5600	35.5	5.07	4.77	4.87	4.44	0.39	1.67	±14.0%
5750	35.4	5.22	4,90	4,99	4.57	0.39	1.75	±14.0%
5800	35.3	5.27	4.75	4.84	4.44	0.40	1.78	±14.0%

C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the Com/F 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 Com/F assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of Com/F assessed at 6 MHz is 4–9 MHz, and Com/F assessed at 13 MHz is 3–19 MHz. Above 5 GHz trequency validity can be extended to ±10 MHz. The probes are calibrated using tissue simulating liquids (TSL) that deviations for *x* and *x* by tess than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less man ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3-6 GHz at any distance larger than half the probe 5p diameter from the boundary.

Certificate No: EX-7702_Jan24

Page 5 of 22



January 22, 2024

Parameters of Probe: EX3DV4 - SN:7702

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity [#] (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
6500	34.5	6.07	5.55	5.40	5.10	0.20	2.00	±18.6%
7000	33.9	6.65	5.61	5.47	5.11	0.20	2.00	±18.6%
8000	32.7	7.84	5.73	5.50	5.21	0.44	1.41	±18.6%
9000	31.6	9.08	5.93	5.43	5.28	0.45	1.60	±18.6%

^C Frequency validity at 6.5 GHz is ~600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.
^F The probes are calibrated using tissue simulating squids (TSL) that deviate for *e* and *a* by less than ±10% from the target values (typically better than ±6%) and are valid for TSL with deviations of up to ±10%.

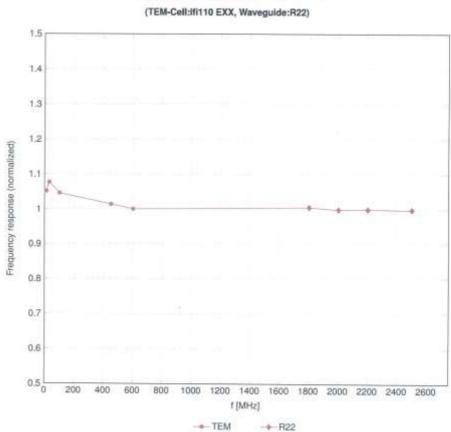
⁶ Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3–6 GHz; and below ±4% for frequencies between 6–10 GHz at any distance larger than half the probe tip diameter from the boundary.

Certificate No: EX-7702_Jan24

Page 6 of 22



January 22, 2024



Frequency Response of E-Field

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

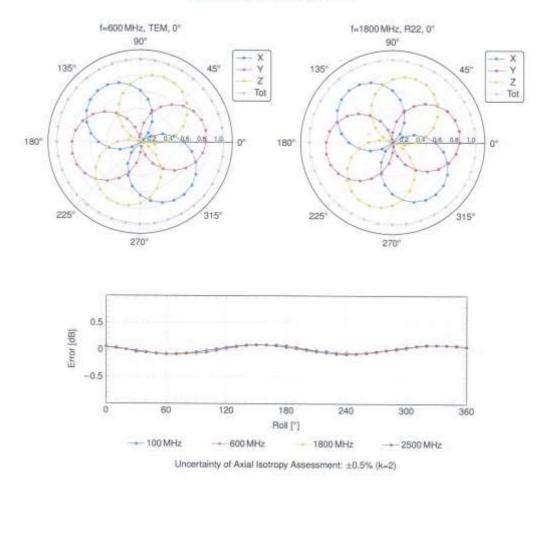
Certificate No: EX-7702_Jan24

Page 7 of 22

January 22, 2024



EX3DV4 - SN:7702



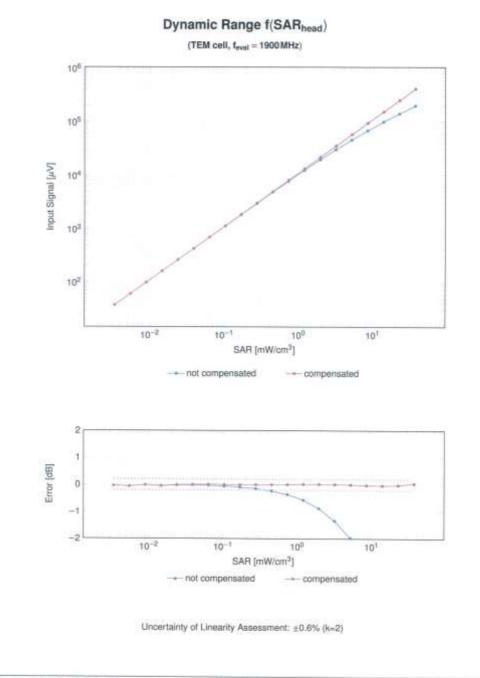
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

Certificate No: EX-7702_Jan24

Page 8 of 22



January 22, 2024

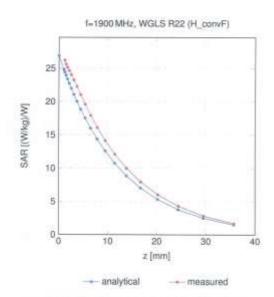


Certificate No: EX-7702_Jan24

Page 9 of 22



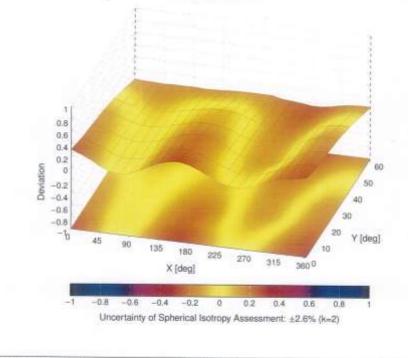
January 22, 2024



Conversion Factor Assessment



Error (ϕ, θ) , f = 900 MHz



Certificate No: EX-7702_Jan24

Page 10 of 22



January 22, 2024

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
0	1.1.1.1.1.1	CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100/ms, 10/ms)	Test	10.00	±9.6
0011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
0012	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mops)	WEAN	1.87	±9.6
0013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WEAN	9,46	+9.6
0.021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
0.023	DAC	GPRS-FOD (TDMA, GMSK, TN 0)	GSM	9.57	+9.6
0.024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
0.025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	19.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
0.027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
0.028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	
	DAC				±9.6
0.025	a second second se	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
0.030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetpoth	5.30	±9.6
0.031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1,87	±9.8
0.035	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10.033	CAA	IEEE 802.15.1 Bluetooth (PWI-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PIV4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10:035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
0.036	CAA	IEEE 802.15.1 Bluetooth (8-OPSK, DH1)	Bluetooth	8.01	±9.6
0.037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	+9.6
860-0	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4,10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	COMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PV4-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
10.049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10-056	CAA	UMTS-TDO (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	\$1.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	+9.6
10.059	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)			±9.6
10061	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 3.5 Mbps)	WLAN	2,83	29.6
10062	CAE		WLAN	3.60	±9.6
	and the state of the	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10083	CAE	IEEE 802.11wh WIFI 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10.064	CAE	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WEAN	0.09	±9.6
10.065	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps)	WEAN	9.00	+9.6
10066	CAE	IEEE 802.11wh WIFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10.067	CAE	IEEE 802.11a/h W/Fi 5 GHz (OFDM, 38 Mbps)	WLAN	10.12	±9,6
10068	CAE	IEEE 802.11a/h WFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	+9.6
10069	CAE	IEEE 802.11a/h WIFi 5 GHz (OFDM; 54 Mbps)	WLAN	10.56	+9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	+9.6
10:076	CAB	IEEE 802 11g WIFI 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	+9.6
10077	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000		+9.6
10.082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, Pl/4-DOPSK, Fullrate)		3.97	±9.6
10.090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	AMPS	4,77	19.6
0.090	CAC	and the second design of the second	GSM	6.56	+9.6
0097	CAC	UMTS-FDD (HSDPA) UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
	and the state of the second		WCDMA.	3.98	±9.6
0.099	DAG	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
0100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.fi
0101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
0102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
0103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	19.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDO	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	+9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, GPSK)	LTE-FDD	5.80	±9.6
0109	CAH	LTE-FDD (SC-FDMA, 100% FIB, 10 MHz, 16-QAM)	LTE-FDD	6.43	+9.6
0110	CAH	LTE-FOD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±B.6
0111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	ALL		
10.000		to be a set of a second second a more the second seco	LTE-FDD	6.44	±9.6

Certificate No: EX-7702_Jan24

Page 11 of 22



January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	+9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8,46	±9.6
10116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WEAN	8.07	+9.6
10118	CAE	IEEE 802 11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.50	±9.6
0119	CAE	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	+9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	19.6
0142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	
0143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	the second se	+9.6
0144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)		6.35	±9.6
0145	CAG		LTE-FDD	6.85	±9.6
0146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1,4 MHz, GPSK) LTE-FDD (SC-FDMA, 100% RB, 1,4 MHz, 16-QAM)	LTE-FDD	5.76	±9.6
			LTE-FDD	6.41	±9.6
0147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
6149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 18-QAM)	LTE-FDD	6.42	±9.6
0150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-GAM)	LTE-FDD	6.60	±9.6
0151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
0152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16 QAM)	LTE-TOD	9.92	±9.6
0153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TOD	10.05	±9.6
0154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	I,TE-FDD	5.75	±9.8
0155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FOD	6.43	±9.6
0156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FDD	5.79	±9.6
0157	CAH	LTE-FDD (SC-FDMA, 50% RB, 6 MHz, 16-QAM)	LTE-FDD	6.49	+9.6
0158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDO	6.62	19.6
0159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
0160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FOD	5.82	+9.6
0161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9,6
0162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
0166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.5
0167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
0168	CAG	LTE-FDD (SC-FDMA, 50% RB. 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
0169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	and the second second
0170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	19.6
0171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD		±9.6
0172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)		6.49	±9.8
0173	CAH	and the second	LTE-TDD	9.21	±9.6
0174	and the second s	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TOD	9,48	±9,6
and the second	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
0176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDO	5.73	19.6
0178	CAH	LTE-FOD (SC-FOMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0179	CAH	LTE-FOD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FDD	5.72	±9.6
0182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 18-QAM)	LTE-FDD	6.52	±9.6
0183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, OPSK)	LTE-FDD	5,73	±9.6
0185	CAF	LTE-FDD (SC-FDMA, 1 R8, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
0186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK)	LTE-FDD	5.73	+9.6
0188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0188	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0193	CAE	IEEE 802.11n (HT Greenfield, 5.5 Mbps, BPSK)	WLAN	8.09	+9.6
0194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	+9.6
0195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 84-QAM)	WLAN	8.21	±9.6
0196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	
0197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-CIAM)	WLAN		±9.6
0198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)		8.13	±9.6
0219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	B.27	±9.6
0219	CAE		WLAN	8,03	±9.6
and the second		IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	B,13	±9.6
0.221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	B.27	±9.6
0.222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
0223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8,48	±9.6
1224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

Certificate No: EX-7702_Jan24

Page 12 of 22



January 22, 2024

UID	Bev	Communication System Name	Group	PAR (dB)	Unc ^E k ~
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	+9.6
0227	CAC	LTE-TOD (SC-FDMA, 1 RE, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
0228	CAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, OPSK)	LTE-TDD	9.22	+9.6
0229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TDD	9.48	±9.6
0230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0231	CAE	LTE-TOD (SC-FOMA, 1 RB, 3 MHz, OPSK)	LTE-TDD	9.19	+8.6
0232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
0233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0234	CAH	LTE-TOD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-TDD	9.21	19.6
0235	CAH	LTE-TOD (SC-FOMA, 1 RB, 10 MHz, 16-GAM)	LTE-TDD	9.48	20.0
0236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	the second se	
0237	CAH	LTE-TOD (SC-FOMA, 1 RB, 10 MHz, OPSK)	LTE-TDD	10.25	:±9,6
0238	CAG	LTE-TOD (SC-FOMA, 1 RB, 15 MHz, 16-GAM)	LTE-TDD		±9.6
0239	CAG		the second se	0.48	±9.6
	10.00 C	LTE-TOD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0240	CAG	LTE-TOD (SC-FDMA, 1 RB, 15 MHz, OPSK)	LTE-TDD	9,21	±9.6
0241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDO	9.82	±9,6
0242	CAG	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.66	+9.6
0243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDO	9.46	±8.6
0244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
0245	CAE	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
0246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
0247	CAH	LTE-TOD (SC-FDMA, 50% RB, 5 MHz, 18-QAM)	LTE-TDD	9.91	±8.6
0248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 84-QAM)	LTE-TDD	10.09	±9.6
0249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
0250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
0.251	CAH	LTE-TDD (SC-FDMA, 50% FIB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
0.252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, OPSK)	LTE-TDD	9.24	±9,6
0253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.8
0.254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10,14	±9.6
0.255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, OPSK)	LTE-TDD	9.20	+9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 18-QAM)	LTE-TDD	9.96	±9.6
0257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	29.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 84-QAM)	LTE-TDD	9.97	±9.6
10.261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, OPSK)	LTE-TOD	9.24	±0.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 18-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	+9.6
10:264	CAH	LTE-TDD (SC-FDMA, 100% R8, 5MHz, QP5K)	LTE-TDD	9.23	±9.6
0.265	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.0
0266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	+9.6
0.267	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, OPSK)	LTE-TDD	9.30	±9.6
0.268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 18-QAM)	LTE-TDD	10.06	±9.6
0.269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.12	19.6
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, GPSK)	LTE-TDD	9.58	19.6
10274	CAG	UMTS-FDD (HSUPA, Subtex 5, 3GPP Rel8.10)	WCDMA	4.87	+9.6
0275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	
0277	CAA	PHS (QPSK)	PHS	11.81	±9.6 ±9.6
0278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS		
10279	CAA	PHS (QPSK, BW 884 MHz, Roleff 0.38)	PHS	11.81	19.6
0290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	12.18	19.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate		3.91	+9.6
0292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3,46	±8.6
0293	AAE	CDMA2000, PC3, SO32, Full Rate	CDMA2000	3.39	±9.6
0295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 /r.	CDMA2000	3,50	+9.6
0290	AAE	LTE-FOD (SC-FOMA 50% RB, 20 MHz, QPSK)	CDMA2000	12,49	+9.6
0297	AAE	LTE-FOD (SC-FDMA, 50% RB, 3 MHz, OPSK)	LTE-FDD	5.81	主9,6
0298	AAE	LTE-FOD (SC-FDMA, 50% HB, 3 MHz, GPSK) LTE-FOD (SC-FDMA, 50% HB, 3 MHz, 16-OAM)	LTE-FDD	5.72	±9.6
And on the local			LTE-FDD	6.39	±9.6
0300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	29.6
0301	AAA	IEEE 802 16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WIMAX	12.03	±9.6
0.302	AAA	IEEE 802 16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	±9.6
0363	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	\$9.6
0304	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.85	±9.6
0.305	AAA	IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	±9.6
0306	AAA	IEEE 802 16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.67	±9.6

Certificate No: EX-7702_Jan24

Page 13 of 22



January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10307	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WIMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WMAX	14,46	+9.6
10309	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	±9.6
10.310	AAA	IEEE 802 16e WIMAX (2018, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WMAX	14.57	+9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAA	IDEN 1/3	IDEN	10.51	±9.6
10314	AAA	IDEN 1.6	IDEN	13.48	19.6
10315	AAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	19.6
10316	AAB	IEEE 802.11g WFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8,36	±9.6
10317	AAE	IEEE 802.11a WFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	19.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10.354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6 ±9.6
10355	AAA	Pulse Wavetorm (200Hz, 60%)	Generic	2.22	
0356	AAA	Pulse Wavetorm (200Hz, 80%)	and the second se	and the second second second second	±9.6
0387	AAA	OPSK Waveform, 1 MHz	Generic	0.97	±9.6
0388	AAA	OPSK Waveform, 10 MHz	Generic	5.10	±9,6
0396	AAA	64-QAM Waveform, 100 kHz	Generic	5.22	±9,6
0.399	AAA	a second s	Generic	6.27	±9.6
0.400	AAF	54-CAM Wavaform, 40 MHz	Generic	6.27	±9.6
0.400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-CAM, 99pc duty cycle)	WLAN	8.37	±9.6
_	_	IEEE 802 11ac WFI (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
0.402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WEAN	8.53	±9.6
0403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.8
0404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
0.405	AAB	CDMA2000, RC3, SC32, SCH0, Full Rate	CDMA2000	5.22	±9.6
0410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Cont=4)	LTE-TDD	7.82	+9.6
0414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
0415	AAA	IEEE 802.11b WFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	+9.6
0416	AAA	IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM; 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0.417	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0.418	AAA	IEEE 802 11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	B.14	=9.6
0419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
0.422	AAD	IEEE 802.11n (HT Greentield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
0.423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	+9.6
0424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 54-QAM)	WLAN	B.40	19.6
0425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
0.426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	0.45	±9.6
0.427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 84-QAM)	WLAN	8.41	+9.6
0430	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1)	LTE-FDD	8.28	+9.6
0431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDO	8.38	19.6
0.432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	19.6
0433	(AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDO	8.34	
0434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	and the second se	+9.6
0.435	AAG	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,60	±9.6
0447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	and the second se	7,82	+9.6
0448	AAE	LTE-FDD (OFDMA, 10MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.55	±9.6
0.449	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	±9.6
0.450	AAD	LTE-FDD (OFDMA, 20MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6
0.451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	LTE-FDD	7.48	±9.6
1453	AAE	Validation (Square, 10 ms, 1 ms)	WCDMA	7.59	±9.6
1456	AAD	(EEE 902.11ac WFI (160 MHz; 64-QAM; 99pc duty cycle)	Test	10.00	±9.6
0457	AAB	UMTS-FDD (DC-HSDPA)	WLAN	8.63	±9.8
0458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	WCDMA	6.62	±9.6
0459	AAA		CDMA2000	6.55	±8.6
1400	AAB	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9,6
		UMTS-FOD (WCDMA, AMR)	WCDMA	2,39	±9.6
0461	AAG	LTE-TOD (SC-FDMA, 1 R8, 1.4 MHz, QP5K, UL Sublame=2,3,4,7,8,9)	LTE-TDD	7.82	±9,6
462	AAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.30	£9:6
463	AAC	LTE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
)464	AAD	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, OPSK, UL Subframe=2,3,4,7,6,9)	LTE-TDD	7.82	±9.6
1465	AAD	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8;9)	LTE-TDD	8.32	±9.6
1466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
0.467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0.468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	8.32	19.6
0.469	AAG .	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	8.56	±9.6
0.470	AAG	LTE-TDD (SC-FOMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	+9.6
0471	AAG	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6

Certificate No: EX-7702_Jan24

Page 14 of 22



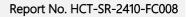


January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10.472	AAG	LTE-TDD (SC-FDMA, 1 R8, 10 MHz, 64-QAM, UL Subkame=2,3,4,7,8.9)	LTE-TOD	8.57	+9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subltame=2.3.4,7.8.9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 18-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TOD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TDD	B.57	+9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-GAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	B.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subtrame=2.3,4,7,8,9)	LTE-TDD	7.74	10.0
10480	AAC	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2.3.4,7,8,9)	LTE-TDD	8.18	
10481	AAC	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subhame=2.3.4,7.8.9)	LTE-TDD		±9.6
10482	AAD	LTE-TOD (SC-FOMA, 50% RB, 3 MHz, OPSK, UL Subtrame=2.3.4.7.8.9)		8.45	±9.6
10483	AAD	LTE-TOD (SC-FOMA, 50% R8, 3 MHz, 16-QAM, UL Subhame-2,3,4,7,8,9)	LTE-TDD	7.71	注肌后
10463	AAD		LTE-TDD	8.39	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	+9.6
	and the second		LTE-TDD	7.59	±9.6
10486	AAG	LTE-TOD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	11.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, OPSK, UL Subtrame=2.3,4,7,8.9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% R8, 10 MHz, 16-QAM, UL Subframe=2.3,4,7,8.9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-DAM, UL Subframe+2,3,4,7,8,9)	LTE-TDD	8.54	:±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subtrame=2.3,4,7,8,9)	LTE-TDD	7,74	±8.6
10492	AAF	LTE-TDD (SC-FDMA, 50% R8, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	B.41	±9.6
10493	AAF	LTE-TOD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	+9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK: UL Subtrame=2,3,4,7,8,9)	LTE-TDO	7.74	±9.6
10495	AAG	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.37	±9.8
10496	AAG	LTE-TOD (SC-FOMA, 50% R8, 20 MHz, 64-QAM, UL Subframe=2.3,4,7.8,9)	LTE-TDD	8.54	±9.6
10.497	AAC	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2.3.4,7.8,9)	LTE-TDO	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% R8, 1.4 MHz, 16-QAM, UL Subframe+2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
0499	AAC	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subtrame=2.3,4,7,8.9)	LTE-TDD	8.68	+9.6
0500	AAD	LTE-TOD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	7.67	+9.6
0501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	19.6
0502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	
0503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	+9.6
0504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 18-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	the second se	±9,8
0.505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.31	±9.6
0.506	AAG			8.54	±9.6
10.507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
a site is a surger	and the second se	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,8)	LTE-TDD	8.35	±9.6
0.508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.55	±9.6
0.509	AAF	LTE-TDD (SC FDMA, 100% RB, 15 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
0510	AAF	LTE-TDD (SC-FDMA, 100% FIB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
0511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
0512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD-	7.74	±9,6
0513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
0514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
0.515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	19.6
0.516	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
0517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
0.518	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps. 90pc duly cycle)	WLAN.	8.23	±9.6
0519	AAD	IEEE 802.11a/h WIFI 5 GHz (OFCM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	+9.6
0.520	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	19.6
0.521	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
0522	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WEAN	8.45	+9.6
0523	AAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 48 Maps, 99pc duty cycle)	WLAN	8.08	±9.6
0524	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
0.525	AAD	IEEE 802.11ac WFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
0.526	AAD	IEEE 802.11ac WIFI (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±0.0
0527	AAD	IEEE 802.11ac WIFI (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.42	
0.528	AAD	IEEE 802.11ac WFI (20 MHz, MCS3, 99pc duty cycle)			+9.6
0529	AAD	IEEE 802 11ac WIFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±8.6
0531	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.35	±9.6
0532	AAD		WLAN	8.43	±9.6
	AAD	IEEE 802 11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
0533		IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WEAN	8.38	±8:6
0534	AAD	IEEE 802 11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
0535	AAD.	IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.45	±9.6
0536	AAD	IEEE 802.11ac WiFi (40 MHz, MC52, 99pc duty cycle)	WLAN	8.32	±9.6
0.537	AAD	IEEE 802 11ac WIFI (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
0.538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.8
0540	AAD	IEEE 802.11ac WIFI (40 MHz, MCS6, 99pc duty cycle)	WLAN.	8.39	±9.6

Certificate No: EX-7702_Jan24

Page 15 of 22



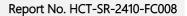


January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10.541	AAD	IEEE 802.11ac WFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
0542	AAD	IEEE 802.11ac WFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	196
10543	AAD	IEEE 802.11ac WIFI (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	19.6
0544	AAD	IEEE 802.11ac WIFI (80 MHz, MCS0, 99pc duty cycle)	WLAN	B.47	±9.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
0546	AAD	IEEE 802.11as WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	6.35	±9.6
10547	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (60 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAD	IEEE 802.11ac WIFI (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	#9.6
10553	AAD	IEEE 802.11ac WIFI (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9,8
10555	AAE	IEEE 802.11ac WiFI (160 MHz, MOS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802 11ac WIFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE .	IEEE 802.11ac WIFI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9;6
10560	AAE	IEEE 802 11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WIFI (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.56	±9,6
10562	AAE	IEEE 802 11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, IFMbps, 99pc duty cycle)	WLAN	B.25	±9.6
10565	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 98pc duity cycle)	WLAN	8.45	±9.6
10586	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 96pc duty cycle)	WLAN	8.13	±9.6
10567	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10569	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mops, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	+9.6
10571	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle) IEEE 802.11b WFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	8,30	±9,6
10572	AAA.	IEEE 602.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN WLAN	1.99	+9,6
10573	AAA	IEEE 802.110 WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.99	#9.6
10574	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 3.5 Mildus, elder duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10578	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	+9.6
10581	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFOM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.87	±9.6
10583	AAD	IEEE 802.11e/h WIFI 5 GHz (OFOM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10.584	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10.585	AAD.	IEEE 802 11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	+9.6
10.586	AAD	IEEE 802.11a/h WIFI 5 GHz (OFOM, 18 Mbps, 90pc duty cycle)	WLAN	B.49	±9.6
10587	AAD	IEEE 802,11a/h WiFi 5 GHz (OFOM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAD	IEEE 802.11s/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAD	IEEE 802.11a/h WIFI 5 GHz (OFOM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAD	IEEE 802 11n (HT Mixed, 20 MHz, MCS1, 80pc duty cycle)	WLAN	B.79	±9.6
10593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAD	IEEE 802:11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
10.595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	B.74	±9.6
0.596	AAD	IEEE 802,11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
0.597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS8, 90pc duty cycle)	WLAN	8.72	±9.6
0.598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
0599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8,79	±9.6
0600	AAD	IEEE 902.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
0601	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
0602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
0.603	AAD	IEEE 802.11n (HT Mixed, 40 MHz, NICS4, 90pc duty cycle)	WLAN	9.03	+9.6
0604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
0605	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
0606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.8
0607	AAD	IEEE 802.11ac WIFI (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.8
0608	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

Certificate No: EX-7702_Jan24

Page 16 of 22





January 22, 2024

UID	Rev.	Communication System Name	Group	PAR (dB)	Unc ^E k =
10.609	AAD	IEEE 802.11ac WFI (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.67	±9.6
10.610	AAD	EEE 802.11ac WFI (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAD	IEEE 802.11ac WIFI (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	+9.6
10612	AAD	IEEE 802.11ac W/Fi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	19.6
10613	AAD	IEEE 802.11ac WFI (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	the second se
10815	AAD	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)			±9.6
10616	-		WLAN	8.62	±9.6
in his second	AAD	IEEE 802.11ac WFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.62	±9.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAD	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WEAN	8.58	±9.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAD	IEEE 802.11ao WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10622	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	+9,6
10623	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10.624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.8
10.625	AAD	IEEE 802.11ac WIFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	B.96	+9.6
10.626	AAD	IEEE 802.11ac WIFI (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
0627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
0.628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
0.629	AAD	IEEE 802.11ac WiFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	#9.6
10630	AAD	IEEE 802 11ac WIFI (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	=9.6
10631	AAD	IEEE 802.11ac WIFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10-632	AAD	IEEE 802 11ac WiFi (80 MHz, MC56, 90pc duty cycle)	WLAN	8.74	and the second se
10633	AAD	IEEE 802 11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	Out any other		±9.6
10.634	AAD	IEEE 802,11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.83	±9.6
10-635	AAD	IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10.636	AAE		WLAN	8.81	±9.6
and the second second		IEEE 802 11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAE	IEEE 802.11ac WIFI (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10-638	AAE	IEEE 802.11ac WiFI (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
10.639	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	B.85	±9.6
10:640	AAE	IEEE 802.11ac WIFI (160 MHz, MC54, 90pc duty cycle)	WLAN	8.98	±9,6
0.641	AAE	IEEE 802.11ac WIFI (160 MHz, MCSS, 90pc duty cycle)	WLAN	9,06	±9.6
10.642	AAE	IEEE 802.11ac WIFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10.643	AAE	IEEE 802.11ac WIFI (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	+9.6
10644	AAE	IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10.645	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 96pc duty cycle)	WLAN	9,11	±9.6
10646	AAH	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, OPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe-2,7)	LTE-TDD	11.96	±9.6
1064B	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
0.662	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.91	±9.6
0653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
0.664	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	+9.6
0655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7.21	±9.6
0.658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
0.658	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	+9.6
0.660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	+9.6
0.661	AAB	Pulse Waveform (200Hz, 60%)	Test	the second s	
0.662	AAB	Pulse Waveform (200Hz, 80%)	Test	2.22	±9.6
0670	AAA	Eluetooth Low Energy		0.97	±9.6
0671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	Bisefooth	2.19	±9.6
0672	AAC	IEEE 802.11ax (20 MHz, MCS0, stopc duty cycle)	WLAN	8.09	±9,6
0673	AAG		WLAN	8,57	+9.6
0674	AAC	IEEE 802.11ex (20 MHz, MCS2, 90pc duty cycle)	WLAN	8,78	±9.6
1.		IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
0675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8,90	±9.6
0676	AAC	IEEE 802.11 ex (20 MHz, MCS5, 90pc duty cycle)	WLAN	41.77	±9.6
0677	AAC	IEEE 802.11 ax (20 MHz, MC56, 90pc duty cycle)	WEAN	8.73	±9.6
0678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8,78	+9.6
0679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
0680	AAG	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
0681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	+8.6
0682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
	AAG	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
0683		IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
0683	AAC				
	AAG	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	6.26	29.8

Certificate No: EX-7702_Jan24

Page 17 of 22



January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8,45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±8.8
10.689	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 862.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.0
10:691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10893	AAC	EEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.8
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10-695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10.698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC.	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11 ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	+9.6
10702	AAC.	IEEE 802.11 ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	+9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC .	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	5.06	+9.6
10707	AAC	IEEE 602 11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	=9.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10709	AAC.	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	=9.6
10712	AAC.	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	+9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycla)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC .	IEEE 802 11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	IEEE 802 11as (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	=9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.8
10721	AAC	IEEE 802.11 Ax (60 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (BOMHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	19.6
10724	AAC	IEEE 802.11ax (60 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	+9.6
10725	AAC	IEEE 882.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	+9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WEAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	+9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WILAN	8.64	29.6
10730	AAC.	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	+9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	=9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	=9.8
10734	AAC	IEEE 802 11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	29.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	+9.6
10737	AAC ·	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	B.42	±9.6
10739	AAC	IEEE 802.11ex (80 MHz, MCS8, 99pc duty cycle)	WLAN	6.29	±9.6
0740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
0741	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.40	+9.6
0742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
0743	AAC	IEEE 802.11ex (160 MHz, MCS0, 90pc duty cycle)	WLAN	6.94	±9.6
0744	AAC	IEEE 802.11ax (100 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10.745	AAC	IEEE 802.11ax (160 MHz, MOS2, 90pc duty cycle)	WLAN	8.93	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	19.6
10747	AAC	IEEE 802.11ex (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6 ±9.6
0750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WEAN	8.79	and the second second
10751	AAC	IEEE 802.11as (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
		IEEE 802.11ax (160 MHz, MCSB, 90pc duty cycle)	ALTUR.	0.06	+9.6

Certificate No: EX-7702_Jan24

Page 18 of 22

The report shall not be (partly) reproduced except in full without approval of the laboratory.



January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	+9.6
10754	AAC.	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
0.750	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
0757	AAG	IEEE 802 11mx (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	=9.6
0758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	+9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
10761	AAC.	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10.762	AAC	IEEE 802.11ex (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802 11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAG	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	7.99	±9.8
10768	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.8
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	B.01	±9.6
10770	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9,6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	+9.6
10772	AAE	5G NR (CP-OFOM, 1 RB, 30 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.23	19.6
10773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9,6
0775	AAF	5G NR (CP-OFDM, 50% R8, 5MHz, QPSK, 15NHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAE	50 NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
1077B	AAE	5G NB (CP-OFDM, 50% RB; 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
0780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,38	±9,6
0781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
0782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
0785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,40	±9.6
10788	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.35	±9,6
10788	AAE	SG NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.44	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 15kHz)	SG NR FR1 TDD	8.30	±9.6
0790	AAE	5G NB (CP-OFDM, 100% RB, 40 MHz, QP5K, 15kHz)	5G NR FR1 TDD	8.37	±9.6
0791	AAG	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9,6
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, GPSK, 30 KHz)	SG NR FR1 TDD	7.83	±9,6
0793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.92	±9.6
0794	AAE	SG NR (CP-OFDM, 1 RB, 20 MHz, (CPSR, 30 KHz)	5G NR FR1 TDD	7.95	±9.6
0795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
0796	AAE	SG NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	7.84	±9.6
0797	AAF	SG NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	19.6
0798	AAE	5G NR (CP-OFDM, 1 HB, 50 MHz, QP5K, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.01	±9.6
0799	AAF	5G NR (CP-OFDM, 1 RE 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	+9.6
0801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
0802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.09	+9.6
0803	AAF	SG NR (CP-OFOM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	19.6
0805	AAE	5G NR (CP-OFOM, 50% RB, 10 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.34	±0.6
0806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.37	±9.6
0809	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6 ±9.6
0810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.34	+8.6
0812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QP5K, 30kHz)	50 NR FR1 TDD	8.35	±0.6
0817	AAG	5G NR (CP-OFDM, 100% RB, 5MHz, OPSK, 30kHz)	5G NR FR1 TDD	8.35	±9.6
0818	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	+9.6
0820	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	59.6
0821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
0822	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	SG NR FR1 TOD	8.41	±9.6
0.823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	50 NR FRI TDD	8.36	29.6
0824	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
0825	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
0-827	AAF	5G NR (CP-OFDM, 100% RB, a0 MHz, QP5K, 30 kHz)	50 NR FR1 TDD	8.42	29.6
0.828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.43	19.6

Certificate No: EX-7702_Jan24

Page 19 of 22

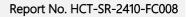


January 22, 2024

UID	Bev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	8,40	±9.6
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR-FR1 TDD	7.73	±8.6
10832	AAE	5G NR (CP-OFOM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NH FR1 TDO	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	7.70	+9.6
10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	19.6
10835	AAF	SG NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	
10836	AAE	SG NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 60 kHz)		the second s	±9.6
10837	AAF	SG NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	19.6
10839	AAF	SG NR (CP-OFDM, 1 RB, 80 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	7.68	+9.6
10840	AAE		5G NR FR1 TDD	7.70	±9.6
		SG NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7;67	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	53 NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 NHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFOM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% R8, 10 MHz, QP5K, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10.856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10.857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QP5K, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
0.858	AAE.	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TOD	8.36	±9.6
0.859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.8
0.861	AAF	5G NR (CP-OFDM, 180% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	B.40	19.8
0.863	AAF	5G NFI (CP-OFDM, 100% RB, 80 MHz, OP5K, 80 kHz)	5G NR FR1 TDD	8.41	±9.6
0864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	+9.6
0865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.41	19.6
10866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.68	19.6
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	SG NR FRI TOD		
10869	AAE	5G NR (DFT-e-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)		5.89	+9.6
10.870	AAE	5G NR (DFT=OFDM, 100% RB, 100 MHz, QPSK, 120 MHz)	5G NR FR2 TDD	5.75	+9.6
10871	AAE		5G NR FR2 TDD	5.86	±9.6
0872	AAE	5G NR (DFT+6-OFDM, 1 RB, 100 MHz, 160AM, 120 kHz) 50 NR (DFT+6-OFDM, 100% RB, 100 MHz, 160AM, 120 kHz)	SG.NR FR2 TDD	5,75	±9.6
10873	And an other states in the		5G-NR FR2 TDD	6.52	±9.6
	AAE	5G NR (DFT-6-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% R8, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	# \$.6
0877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	+9.6
6879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 640AM, 120 kHz)	5G NR FR2 TDD	8:12	±9.6
0880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	5.6±
1880	AAE	SG NR (DFT-e-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
0.882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	+9.6
0883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TOD	6.57	±9.6
0.884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	+9.6
0.885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TOD	6.61	19.6
0886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 640AM, 120kHz)	5G NR FR2 TDD	6.65	19.6
0887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120kHz)	5G NR FR2 TDD	7.78	19,6
0888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	50 NR FR2 TDD	8.35	10000
0889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	and principal principal states	±9.6
0880	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	SG NR FR2 TOD	8.02	±9.6
0891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)		8,40	±9.6
0692	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	B.13	±9.6
0897	AAE	5G NR (DFTs-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR2 TDD	8.41	±9.6
0898	AAC		5G NR FR1 TDD	5.66	±9,6
0898	and provide a second	5G NR (DFT+6-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.67	±9.6
and a state of the	AAB	5G NR (DFT=OFDM, 1 R8, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9:6
0.900		5G NR (DFT= OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,68	\$9.6
0.901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±0.6
0902	AAG	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 NHz)	5G NR FR1 TDD	5.68	±9.6
0.903	AAD	5G NR (DFTs-OFDM, 1 R8, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0904	AAC	5G NR (DFT-s-OFDM, 1 R8, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0905	AAD	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0.906	AAD	5G NR (DFT-s-OFDM, 1 R8, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	+9.6
0.907	AAE	5G NR (DFT=-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	5,78	19.6
8000	AAC	5G NR (DFTs-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
0909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	5.96	19.6
	AAC	5G NR (DFT-8-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	10.0

Certificate No: EX-7702_Jan24

Page 20 of 22



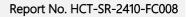


January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10911	AAB	5G NR (DFT-6-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	+9.6
10912	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NB FR1 TDD	5.84	+9.6
10913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, OP5K, 30 kHz)	5G NR FR1 TDD	5.84	+9.6
10.914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAD	5G NR (DFT+-OFDM, 50% RB, 60 MHz, QPSK, 30kHz)	50 NR FR1 TDD	5.83	+9.6
10916	AAD	5G NR (DFT-e-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	
10917	AAD	5G NR (DFT-4-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)			±8.8
10918	AAE		SG NR FR1 TOD	5.94	±9,8
	and the second second	6G NR (DFT-s OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.8
0.950	AAB	5G NR (DFT+-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAC	5G NR (DFT-9-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.84	±9.6
18922	AAB	5G NR (DFT+-OFDM, 100% R8, 25 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.82	±9.6
10923	AAC	5G NR (DFT-s-OFDM, 100% R8, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10.924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	+9.6
10.925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	6.95	+9.8
0.926	AAD	5G NR (DFT-e-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
0927	AAD	5G NR (DFT-a-OFDM, 100% R8, 60 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.94	+9.5
0.928	AAD	5G NR (DFT-4-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FD0	5.52	±9.6
0.929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	±9.0
0.990	AAC	SG NR (DFT-s-OFDM, 1 RB, 15 MHz, OPSK, 15 kHz)	5G NR FR1 FDD	5.52	
10931	AAC	SQ NR (DFT-e-OFDM, 1 RB, 20 MHz, QPSK, 15 KHz)			±9.6
0932	AAC		5G NR FR1 FDD	5,51	±8.6
		SG NR (DFT-6-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	SG NR FR1 FDD	5.51	±9.8
0933	AAG	5G NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10934	1000	50 NR (DFTs-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,51	±9,6
10935	CAA	50 NR (OFT-e-OFOM, 1 R8, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,51	±9.6
0906	AAD	5G NR (DFTs-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5,90	±9.6
10937	AAD	5G NR (DFT:s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,77	±9.6
0938	AAC	5G NR (DFTs-OFDM, 50% RB, 15MHz, OPSK, 15kHz)	5G NR FR1 FDD	5.90	±9.6
0.835	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FRI FDD	5.82	+9.6
0.940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.86	+9.6
0941	AAC	5G NR (DFT/s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	+9.6
10942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QP5K, 15 kHz)	SG NR FR1 FDD	5.85	+9.6
10943	AAD	50 NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	+9.6
0944	AAD	5G NR (DFT-a-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FD0	5.81	19.6
0.945	AAD	5G NR (DFT #-OFDM, 100% RB, 10 MHz; QPSK, 15 kHz)	56 NR FR1 FD0	5.85	+9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15MHz)	5G NR FR1 FDD	5.83	
0.947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, OPSK, 15 kHz)	5G NR FR1 FDD		±9.6
0948	AAC	5G NB (DFT-6-OFDM, 100% RB, 25 MHz, OPSK, 15 KHz)		5.87	±9.8
10.949	AAC		5G NR FR1 FD0	5.94	±9.6
		5G NR (DFT+-OFDM, 100% RB, 30 MHz, OP5K, 15 kHz)	SG NR FR1 FDD	5.87	+9.6
0.950	AAC	5G NR (DFT-6-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
0.951	AAD	5G NR (DFF4-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,9段	±9.6
10:952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	SG NR FRI FDO	8,25	+田,日
0.953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 84-QAM, 15 kHz)	5G NR FR1 FD0	8.15	±9.6
0.954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8,23	+9.6
0.955	AAA.	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
0.956	AAA.	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±8.6
0.057	AAA.	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 84-GAM, 30 kHz)	SG NR FR1 FDD	8.31	=9.6
0.958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz; 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	+9.6
6660	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-GAM, 30 kHz)	5G NR FR1 FDD	8.33	=9.6
0960	AAE	5G NR DL (CP-OFDM, TM 3.1, SMHz, 64-DAM, 15 kHz)	5G NR FR1 TDD	9.32	19.6
0961	AAC	5G NR DL (CP-DFDM, TM 3.1, 10 MHz, 64-QAM, 15kHz)	SG NR FR1 TDD	9.32	
0962	AAB	50 NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 NHz)	5G NR FR1 TDD		±9.6
0963	AAC	SG NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15MHz)	the second se	9.40	±9.6
0964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-DAM, 15KHz)	5G NR FR1 TDD	9.55	+9.6
0965	AAC	SG NR DL (CP-OFDM, TM 3.1, 5 MR2, 64-QAM, 308Hz) SG NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz)	5G NR FRI TDD	9.29	8,9±
0965	AAD AAB		50 NR FR1 TOD	9.37	19.6
		5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TOD	9.55	±9.6
0.967	AAC .	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.42	±9.6
0.968	AAD	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 HHz)	5G NR FRI TDD	9,49	±9.8
0972	AAC	53 NFI (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
0973	AAD	5G NR (DFT-a-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	SG.NR FR1 TDD	9.06	±8,6
0.974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
0.978	AAA	ULLA BOR	ULLA	1.15	19.6
0979	AAA	ULLA HDR4	ULLA	8.58	+9.6
0.980	AAA	ULLA HDR8	ULLA		
0.981	AAA	ULLA HDRp4		10.32	±9.6
			UCLA	3.19	±9.6
2890	AAA.	ULLA HDRp8	ULLA	3.43	+9.6

Certificate No: EX-7702_Jan24

Page 21 of 22





January 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E R = 2
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDO	9.31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	56 MR FR1 TD0	9.42	±9.8
10.985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	SG NR FR1 TDD	9.54	±9.8
10.986	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDO	9.50	+9.5
10.987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	+9.6
10.988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	+9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 KHz)	5G NR FR1 TDD	9.33	±9.6
10.990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	10.24	19.6
11004	AAA.	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NA FA1 TOD	10,73	+9.6
11.005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 NHz)	50 NR FR1 EDD	8.70	±8.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 NHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.46	19.6
11008	AAA.	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	19.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	£.76	±9.6
11010	AAA	6G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	:9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	11.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	19.6
11013	AAB	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WEAN	8.47	+0.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	+9.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WEAN	8.44	±9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WEAN	8.41	+9.6
11018	AAB	IEEE 802.11be (320 MHz, MC56, 99pc duty cycle)	WEAN	8.40	+9.6
11019	AAB	(EEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	+9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	+9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	+9.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11824	AAB	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	+9.6
11.025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	+0.6
11026	AAB	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±8.0

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

Certificate No: EX-7702_Jan24

Page 22 of 22



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



S Schweizerischer Kalibrierdienst

Service suisse d'étalonnage С

Servizio svizzero di taratura s

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

lient	HCT Gyeonggi-do, Ri	public of Korea	3	Certificate	No.	EX-77	32_Jun24
CALI	BRATION C	ERTIFICATE		길 재	H V May	1 4 Mz	n ent
Object				494 6.29	6 1493 2024 1629		
Calibrati	on procedure(s)	QA CAL-01.v10 QA CAL-25.v8 Calibration proc					CAL-23.v6,
Calibrati	an date	June 19, 2024					
The mea	surements and the	cuments the traceability to uncertainties with confident nducted in the closed labor	ce probability are give atory facility: environ	in on the fol	lowing pa	ges and a	re part of the certificate.
	on Equipment used	(M&TE critical for calibratio	n)				
Calibratio				finate Nin 1			Cohert Lori Collision
Calibratio	Standards	ID	Cal Date (Cert		040975		Scheduled Calibration
Calibratio			Cal Date (Certi 26-Mar-24 (No.	217-04036			Mar-25
Calibration Primary S Power me Power se	Standards Iter NRP2 neor NRP-Z91	ID SN: 104778	Cal Date (Certi 26-Mar-24 (No. 26-Mar-24 (No.	217-04036	ŋ	1	Mar-25 Mar-25
Calibration Primary S Power me Power se OCP DA	Standards eter NRP2 neor NRP-291 (-3.5 (weighted)	ID SN: 104778 SN: 103244	Cal Date (Cert) 26-Mar-24 (No. 26-Mar-24 (No. 05-Oct-23 (OC	217-04036 217-04036 P-DAK3.5-1) 249_Oct2	3)	Mar-25 Mar-25 Oct-24
Calibration Primary S Power me Power se OCP DAP OCP DAP	Standards eter NRP2 neor NRP-291 (-3.5 (weighted)	ID SN: 104778 SN: 103244 SN: 1249 SN: 1016	Cal Date (Cert) 26-Mar-24 (No. 26-Mar-24 (No. 05-Oct-23 (OC 05-Oct-23 (OC	217-04036 217-04036 P-DAK3.5-1 P-DAK12-1) 249_Oct2 016_Oct2	(3) (Mar-25 Mar-25 Oct-24 Oct-24
Calibration Primary S Power me Power se OCP DAI OCP DAI	Standards eter NRP2 heor NRP-291 (-3.5 (weighted) (-12	ID SN: 104778 SN: 103244 SN: 103249	Cal Date (Cert) 26-Mar-24 (No. 26-Mar-24 (No. 05-Oct-23 (OC	217-04036 217-04036 P-DAK3.5-1 P-DAK12-1 217-04046) 249_Oct2 016_Oct2)	(3) (3) (1)	Mar-25 Mar-25 Oct-24

	ELECTRONIC AND INC.	The second	1494 8.7
	1000		
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (In house check Jun-22)	In house check: Jun-24
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

	Name	Function	Signature
Calibrated by	Joanna Lleshaj	Laboratory Technician	Apples
Approved by	Sven Kühn	Technical Manager	A. A. Jedah
This calibration certifica	te shall not be reproduced except in	full without written approval of the lab	Issued: June 20, 2024 oratory.

Certificate No: EX-7732 Jun24

Page 1 of 21



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



Schweizerischer Kalibrierdienst S Service suisse d'étalonnage C

- Servizio svizzero di taratura S
- 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 or	e rotation around probe axis
Polarization θ	Ø rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., Ø = 0 is normal to probe axis
	11 DADU - FORMANDA - FORMANDA - MARCHANA - MARCHANA

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 ∂ = 0 (f ≤ 900MHz in TEM-cell; f > 1800MHz; 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(I)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. 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 t > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ±50 MHz to ±100 MHz.
- Spherical Isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Certificate No: EX-7732 Jun24

Page 2 of 21

F-TP22-03 (Rev. 06)



June 19, 2024

Parameters of Probe: EX3DV4 - SN:7732

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc $(k=2)$
Norm (µV/(V/m) ²) A	0.51	0.55	0.57	±10,1%
DCP (mV) B	103.4	101.7	101.6	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	$B dB \sqrt{\mu V}$	с	D dB	WR mV	Max dev.	Max Unc ^E k = 2			
0	CW	X	0.00	0.00	1.00	0.00	146.3	±1.9%	±4.7%			
	177700	Y	0.00	0.00	1.00	03036772	138.6	0.726526				
		Z	0.00	0.00	1.00		130.1					
10352	Pulse Waveform (200Hz, 10%)	X	1.50	60.60	6.40	10.00	60.0	±3.1%	±9.6%			
		Y	1.54	60.54	5.84		60.0					
		Z	1,49	60,19	5.62		60.0		_			
10353	Pulse Waveform (200Hz, 20%)	X	0.80	60.00	4.98	6.99	80.0	±1.9%	±9.6%			
		Y	0.82	60.00	4,06	122227.2	80.0	0.000555	123525			
		Z	38.00	76.00	9.00		80.0	1				
10354	Pulse Waveform (200Hz, 40%)	X	0,31	151.20	2.39	3.98	95.0	+2.4%	±9.69			
	Courses a losses and a losses and a losses of the	Y	0.00	156.53	61.05				1	95.0	CITE ALCON	
		Z	11.07	159.98	12.52		95.0					
10355	Pulse Waveform (200Hz, 60%)	X	7.51	159.73	8.46	2.22	120.0	±1.8%	±9.69			
		Y	0.00	120.53	91.34		120.0 120.0					
		Z	0.00	131.39	93.08			1				
10387	OPSK Waveform, 1 MHz	X	0.62	66.20	14.31	1.00	150.0	±3.6%	±9.69			
		Y	20.00	124.84	34.03	0.010-3424-5	150.0					
		Z	20,00	149.22	45.47		150.0					
10388	QPSK Waveform, 10 MHz	X	1,47	67,67	14.97	0.00	150.0	±1,2%	±9.6%			
		Y	3.35	82.21	21.94		150.0					
		Z	20.00	115.39	32.76		150.0	1				
10396	64-QAM Waveform, 100 kHz	X	1.71	64.75	16.09	3.01	150.0	±1.0%	±9.69			
		Y	1,65	66.42	17.95		150.0					
		Z	1,81	68.94	19.67		150.0	1	1.01			
10399	64-QAM Waveform, 40 MHz	X	2.89	66.84	15.51	0.00	150.0	±1.4%	±9.6%			
	CITY THE SAME AND A STREET WATCH AND A STREET AND A STREET	Y	3,29	69.58	17.35	0000000	150.0 150.0	1.520.0000351				
20000000		Z	3.57	72.02	18.82							
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.82	66.32	15.51	0.00	150.0	±2.5%	±9.6%			
		Y	4.24	68.01	16.82		150.0					
		Z	4.34	69,46	17.68		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%.

A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Page 5). ¹⁰ Linearization parameter uncertainty for maximum specified field strength. ²¹ Uncertainty is determined using the max, deviation from tinser response applying rectangular distribution and is expressed for the square of the field value.

Certificate No: EX-7732_Jun24

Page 3 of 21

June 19, 2024



EX3DV4 - SN:7732

Parameters of Probe: EX3DV4 - SN:7732

Sensor Model Parameters

	C1 fF	C2 1F	ν ^α ν ⁻¹	T1 msV ⁻²	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V-1	Т6
х	9.1	66.10	33.53	3.08	0.00	4,90	0.48	0.00	1.00
¥.	11.1	81.55	34.96	0.97	0.00	4.91	0.13	0.01	1.00
Z	9.4	68.05	34.37	0.92	0.00	4.90	0.23	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-22.4°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	mm G
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: EX-7732_Jun24

Page 4 of 21



June 19, 2024

Parameters of Probe: EX3DV4 - SN:7732

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
750	41.9	0.89	9.73	9.35	10.09	0.33	1.27	±11.0%
835	41.5	0.90	9.55	9.18	9.90	0.33	1.27	±11.0%
900	41.5	0.97	9.40	9.04	9.75	0.33	1.27	±11.0%
1750	40.1	1.37	8.33	8.01	8.64	0.32	1.27	±11.0%
1900	40.0	1.40	7.45	7.16	7.73	0.32	1.27	±11.0%
2300	39,5	1.67	7,85	7.54	8.14	0.31	1.27	±11.0%
2450	39,2	1.80	7.57	7.27	7.85	0.31	1.27	±11.0%
2600	39.0	1.96	7.60	7.30	7.88	0.31	1.27	±11.0%

^C Frequency wildly 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 assessed at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 8 MHz is 4–9 MHz, and ConvF assessed in 13 MHz is 9–19 MHz. Above 5 GHz frequency validity bein to extended to ±100 MHz.
^F The probes and calibrated using tissue simulating liquids (TSL) that deviate for *c* and *e* by less than ±5% from the target values (typically botter than ±3%) and are valid for TSL with deviations of up to ±10% if SAP correction is applied.
^G Apply/Depth are determined during calibration. SPEAG variants that the remaining deviation due to the boundary effect after compensation is always less than the function being for the indicate the section being for the section be the boundary effect after compensation is always less.

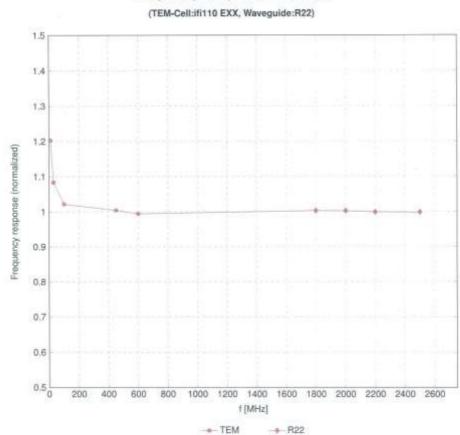
than ±15% for frequencies below 5 GHz and below ±2% for frequencies between 3+6 GHz at any distance larger than fall the probe tip diameter from the boundary.

¹⁴ The stated uncertainty is the total calibration uncertainty (k = 2) of Norm ConvF. Therefore, The uncertainty stated is equivalent to the uncertainty. component with the symbol CF in Table 9 of IEC/IEEE 82209-1528:2020

Certificate No: EX-7732_Jun24



June 19, 2024



Frequency Response of E-Field

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

Certificate No: EX-7732_Jun24

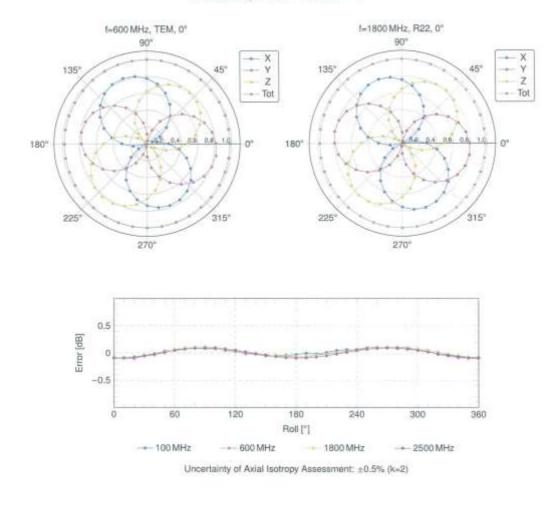
Page 6 of 21

The report shall not be (partly) reproduced except in full without approval of the laboratory.

June 19, 2024



EX3DV4 - SN:7732



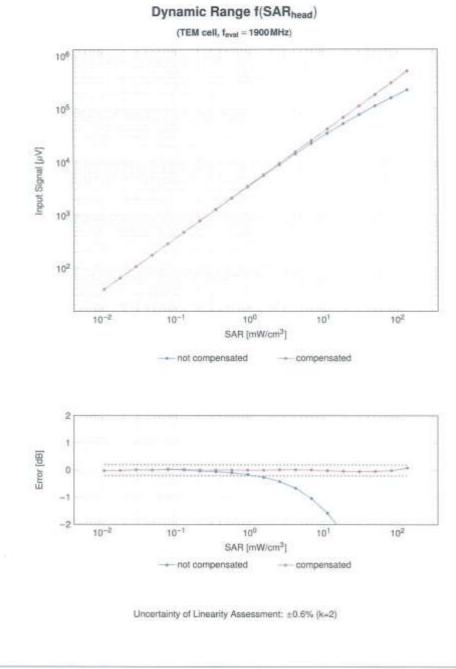
Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$

Certificate No: EX-7732_Jun24

Page 7 of 21



June 19, 2024



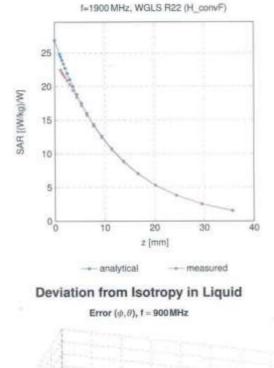
Certificate No: EX-7732_Jun24

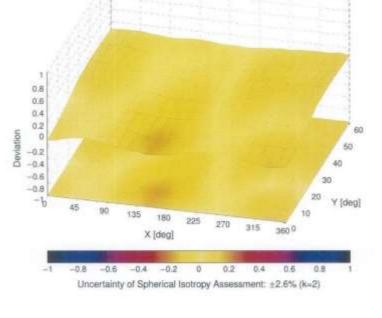
Page 8 of 21



June 19, 2024







Certificate No: EX-7732_Jun24

Page 9 of 21



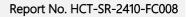
June 19, 2024

Appendix: Modulation Calibration Parameters

UID	Bay	Communication System Name	Group	PAR (dB)	Unc ^E k =
0		CW	CW	0.00	±4,7
0.010	CAB	SAR Validation (Square, 100 me, 10 ms)	Test	10.00	±9,6
0011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9,6
0.012	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.fi
0013	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps)	WEAN	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, &PSK, TN 0)	GSM	12.62	±9.6
10.026	DAC	EDGE-FDO (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GM5K, TN 0-1-2)	GSM	4.80	59.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, BPSK, TN 0-1-2)	GSM	7.78	+9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	+9.6
10030	CAA	IEEE 802.15.1 Buetooth (GFSK, DH3)	Bluetooth	1.87	+9.6
	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	+9.6
10032			Bluetooth	7.74	19.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Biuetooth	4.53	19.0
10034	CAA	IEEE 802.15.1 Bluetooth (PV4-DOPSK, DH3)			10000
10035	CAA	IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH5)	Bluetooth	3.83	19.6
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 602.15.1 Bluelooth (8-DPSK, DH5)	Bluetooth	4,10	±9.6
10:039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4,57	19,6
10042	CAB	IS-54 / IS-136 FDO (TDMA/FDM, Pt4-DQPSK, Halhate)	AMPS	7,78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDO (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Stor, 24)	DECT	13.80	±9,0
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	GAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11,01	±9.6
10058	DAC	EDGE-FDO (TDMA, BPSK, TN 0-1-2-3)	GSM	6.52	土田,日
10059	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WIF) 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	19.6
10061	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps)	WLAN	3,60	±9.6
10062	CAE	IEEE 802,11a/h WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.5
10053	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10054	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	1.9.6
10065	CAE	IEEE 802.11a/h WIFI 5 GHz (OFOM, 18 Mbps)	WLAN	9.00	+9.6
10096	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	+9.6
10067	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10065	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	+9.6
10069	CAE	IEEE 802 11a/h WIFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	19.6
10071	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	+9.0
10072	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	29.6
10073	CAB	IEEE 802.11g WFI 2.4 GHz (DSSS/OFDM, 12 Mops)	WLAN	0.94	29.6
10074	CAB	IEEE 602.11g WIFI 2.4 GHz (DSSS/OFDM, 16Mbps) IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	19.6
10075	CAB	IEEE 802.11g WIFI2.4 GHz (DSSS/OFDM, 24 Mopt)	WLAN	10.30	19.6
10076	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 M0pt) IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10,77	19.6
100/8	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 48 Mbps) IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	10.94	±9.6
	CAB		La desta partico		
10081		CDMA2000 (1xRTT, RCS)	CDMA2000	3.97	±9.0
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fulrate)	AMPS	4,77	19,6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	BSM	6.56	±9,6
10097	CAG	UMTS-FDD (HSDPA)	WCEMA	3.98	19.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCOMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±0.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, GPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	土皇后
10103	CAH	LTE-TDD (SC-FDMA, 100% R8, 20 MHz, QPSK)	LTE-TDD	9.29	±8.6
10104	CAH	LTE-TDD (SC-FDMA, 100% R8, 20 MHz, 16-QAM)	LTE-TDD	9,97	19.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	19.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.83	19.6
10109	CAH	LTE-FDD (SC-FDMA, 100% R8, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	GAH	LTE-FDD (SC-FDMA, 100% R8, 5MHz, QPSK)	LTE-FDD	5.75	±9.8
FRCF.FRC.		LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	19.6

Certificate No: EX-7732_Jun24

Page 10 of 21





June 19, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-FDD	6.62	+9.6
10114	CAE	IEEE 802,11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
0115	CAE	IEEE 802.11n (HT Greenfield, 61 Mbps, 16-QAM)	WLAN	8.46	±9.6
0116	CAE	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-GAM)	WLAN	8.15	±9.6
0117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
0118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
	CAE	and an and a second state of the second state was set of the base	WLAN	8.13	19.6
0119		IEEE 802.11n (HT Mixed, 135 Mops, 64-QAM)	LTE-FDD	6.49	±9.6
0140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)		and the second se	and the second second
0141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-GAM)	LTE-FDD LTE-FDD	6.53	±9.6
0142	CAP	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	And all hitsen	5.73	+9.6
0143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
0144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 64-QAM)	LTE-FDD	6.65	±9.6
0145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9,6
0148	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.41	±9.6
0147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FOD	6.72	±9.8
0149	CAF	LTE-FDD (SC-FDMA, 50% R8, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
0150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9,8
0151	CAH	LTE-TDD (SC-FDMA, 50% R8, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
0152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9,92	±9.6
0153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
0.154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5,75	±9.6
0155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	19.6
0156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FDD	5.79	19.8
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	19.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 54-QAM)	LTE-FDO	6.62	19.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-FDD	6.58	19.6
10160	CAP	LTE-FDD ISC-FDMA, 50% R8, 15 MHz, OPSK)	LTE-FDD	5.82	19.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	19.6
10165	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.48	19.6
10167	CAG	LTE-FDD (5C-FDMA, 50% RB, 1.4 MHz, 18-QAM)	LTE-FDD	6.21	19.8
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.78	Contract of the Auto
10189	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)			19.6
10170	CAF	Interfaciently particular for a final state of the final state of the second state	LTE-FDD	5.73	19.6
	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 18-QAM)	LTE-FDD	6.52	±9.6
10171	and the second s	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	19.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9,21	19.8
10173	CAH	LTE-TDD (SC-FOMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9,48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 R8, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5,72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 15-QAM)	LTE-FDD	6.52	+9.6
10177	LAD	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9,6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 18-QAM)	LTE-FDD	6,52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDO	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE.	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 04-QAM)	LTE-FDD	6.50	±9.6
10.184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
0185	CAF	LTE-FDD (SC-FDMA, 1 FI8, 3 MHz, 16-QAM)	LTE-FDD	8.51	±9.6
10186	A,A,F	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	19.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1,4 MHz, QPSK)	LTE-FDD	5.73	+9.8
0188	CAG	LTE-FDD (SC-FDMA, 1 FIB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	+9.6
10189	AAG	LTE-FDD (SC-FDMA, 1 R8, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	+9.8
0194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
0195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-GAM)	WLAN	8.21	±9.6
0196	CAE	IEEE 802,11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	+9.6
10197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8,10	Contractor in the second second
10198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN		±9.6
0215	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)		8.27	±9.6
10220	CAE	IEEE 802.11n (HT Mixed, 7.2 Mops, 0P3n) IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.03	+9.6
10220	CAE	IEEE 802.11n (H1 Mixed, 43.3 Mbps, 16-GAM) IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN.	8.13	±9.6
distant and the	CAE		WLAN	8,27	±9.6
0222	and a start of the	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
0223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	+9.6
10224	CAE	IEEE 802.11n (HT Mixed, 150 Mops, 64-QAM)	WLAN	8.06	±9.6

Certificate No: EX-7732_Jun24

Page 11 of 21



June 19, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
0.225	CAC	UMTS-FDD (HSPA+)	WGDMA	5.97	±9.6
0.226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1,4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
0227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±0.6
0.228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, OPSK)	LTE-TDD	9,22	±9,6
0229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TOD	9,48	±9.6
0230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	19.6
0232	CAH	LTE-TOD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-TOD	9.48	±9.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-DAM)	LTE-TDD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.21	±9.6
10235	CAH	LTE-TOD (SC-FDMA, 1 FB, 10 MHz, 16-QAM)	LTE-TOD	9.48	:±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	19.6
10237	CAH	LTE-TDD (SC-FDMA, 1 R8, 10 MHz, QPSK)	LTE-TDD	9.21	+9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 18-QAM)	LTE-TDD	9.48	19.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10240	CAG	LYE-TOD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-TDD	9,21	±9.6
and the local data	CAC	LTE-TOD (SC-FDMA, 50% R8, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10241	CAC		LTE-TDD	9.86	±9.6
10242		LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.46	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, QPSK)	LTE-TDD	10.06	19.6
10244	CAE	LTE-TDD (SC-FDMA, 50% R8, 3MHz, 16-GAM)			in the second second
10245	CAE	LTE-TOD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-TOD	9.30	±9.6 ±9.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TOD	the second design of the secon	
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-TDD	10,09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9,29	±9.6
10250	CAH	LTE-TDD (SC-FDMA; 50% RB, 10 MHz; 16-QAM)	LTE-TOD	9.81	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, OPSK)	LTE-TDD	9.24	±9,6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 18-QAM)	LTE-TOD	9.90	±9.6
10.254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, OPSK)	LTE-TDD	9.20	±9.6
10255	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10:257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAG	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	8.34	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10280	CAE	LTE-TDD (SC-FDMA, 100% R8, 3 MHz, 64-QAM)	LTE-TDD	8.97	19.6
10261	CAE	LTE-TOD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9,24	±9.8
10262	CAH	LTE-TOD (SC-FDMA, 100% RB, 5MHz, 15-QAM)	LTE-TDD	9.83	+9.6
10263	CAH	LTE-TOD (SC-FDMA; 100% R8; 5 MHz; 64-QAM)	LTE-TDD	10.16	±9.6
10264	CAH	LTE-TOD (SC-FDMA, 100% RE, 5MHz, OPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TOD (SC-FDMA, 100% R8, 10 MHz, 16-QAM)	LTE-TDO	9,92	±9.6
10266	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDO	10.07	1.9.8
10267	CAH	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, OPSK)	LTE-TOO	9.30	±9.0
10.268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDO	10.06	±9.6
10,269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	19.0
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	8.58	±9.0
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	19.6
10275	CAC	UMTS-FOD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCOMA	3.96	±9.6
10277	CAA	PHS (QPSK)	PHS	11.81	
shipping a propriet to pro-	CAA				±9.6
10278	CAA	PHS (OPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	19.6
		PHS (GPSK, BW 884 MHz, Rolloff 0.38)	and the second sec	12,18	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	GDMA2000	3,91	±9.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.0
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.8
10,293	i a se a s	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 h.	COMA2000	12.49	±9.8
10,297	AAE	LTE-FOD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.0
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.0
10:301	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WIMAX	12.03	+9.6
10302	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	±9.6
18303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6
10:304	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11,86	±9.6
10305	AAA	IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	±9.6
10.306	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WIMAX	14.67	±9.6

Certificate No: EX-7732_Jun24

Page 12 of 21

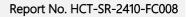


June 19, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10307	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, OPSK, PUSC, 18 symbols)	WIMAX	14,40	±9/6
0.308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WMAX	14,46	3.6±
0309	AAA	IEEE 802,16e WIMAX (29:16, 10 ms, 10 MHz, 16QAM, AMC 2x3, 16 symbols)	WIMAX	14,58	±9,6
0310	AAA	IEEE 802,16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 aymbols)	WIMAX	14.57	±9.6
0311	AAE	LTE-FDD (SC-FDMA, 100% R8, 15MHz, QPSK)	LTE-FDD	6.06	±9.6
0313	AAA	IDEN 13	DEN	10.51	±9.6
0314	AAA	(DEN 1:6	IDEN:	13.48	±9.6
0315	AAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
0316	AAB	IEEE 802.11g WIFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WEAN	8.36	±9.6
0317	AAE	IEEE 802.11a W.Fi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
0352	AAA	Pulse Waveform (200Hz, 10%)	Genetic	10.00	±9.6
0353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±0.6
0354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
0356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10367	AAA	DPSK Waveform, 1 MHz	Generic	5:10	±9.6
iped as papida	AAA	OPSK Waveform, 10 MHz	Generic	5.22	+9.6
10398	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
	AAA		Generic	6.27	+9.6
0399	1.0.1	54-OAM Waveform, 40 MHz	WLAN	8.37	±9.6
10400	AAF AAF	IEEE 802 11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	19.6
0401	AAF	IEEE 802 11ec WiFi (40 MHz, 64-DAM, 99pc duty cycle)	WLAN	8.53	19.6
10402	and the second	IEEE 802.11ac WIFI (80 MHz, 64-QAM, 99pc duty cycle)	COMA2000	3.76	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)		3.77	19.6
10404	AAB	CDMA2000 (1xEV-DD, Rev. A)	CDMA2000 CDMA2000	5.22	19.6
10 496	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	and the second sec	7.82	19.6
10410	AAH	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TOD	0.54	
10414	AAA	WLAN CODF, 64-QAM, 40 MHz	Generic		±9.6
10.415	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mops, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WIFI 2.4 GHz (ERIP-OFDM, 6 Mbps, 98pc duty cycle)	WLAN	8.23	±9.6
10417	AAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8,23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbpe, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10.419	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8,19	±9.6
10.422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	19.6
10423	AAD	IEEE 902.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10.424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8,41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8:45	±9.6
10427	AAD.	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	£9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8,28	19,6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FOD	8,38	±9.8
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FOD	8,34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FOD	8,34	出9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOO	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FOD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	主日,6
10.449		LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450	and the second sec	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FOD	7,48	±9.6
10:451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	and the state of t	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9,6
10458	AAD	IEEE 802.11ac WIFI (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WCOMA	6.62	1:9.6
10458	AAA	CDMA2000 (1xEV-DO, Rex. B, 2 carriers)	CDMA2000	6.55	±9.6
10.459		CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	+9.6
10.480	AAB	UMTS-FDD (WCDMA, AMR)	WCOMA	2.39	±9.6
10.461	AAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
10.462	AAG	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subtrame=2.3.4,7,8,9)	LTE-TDD	8.30	±9.6
10.463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 84-QAM, UL Subframe=2.3.4,7,8,9)	LTE-TOD	8.56	±9.6
10484	AAD	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	7.82	±9.6
10.465	AAD	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	\$9.6
10.466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
10.467	and the local structure	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	7.82	:9,6
10.468	AAG	LTE-TOD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subkame=2,3,4,7,8,9)	LTE-TDD	8.32	19.6
10469	A COLORINA INCOLOR	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=2.3.4,7,8,9)	LTE-TDD	8.55	±9.5
and the second second	- A A A A A A A A A A A A A A A A A A A	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10470					

Certificate No: EX-7732_Jun24

Page 13 of 21





June 19, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8.9)	LTE-TOD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9,6
0474	AAF	LTE-TDO (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
0475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
0477	AAG	LTE-TDO (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	19.6
0478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
0479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TOD	7.74	±9.6
0479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subtrame=2.3,4,7,8,9)	LTE-TOD	8.18	±9.6
and the second	and the second second	LTE-TOD (SC-FDMA, 50% RB, 1,4 MHz, 10-Q404, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
0481	AAG		LTE-TOD	7.71	19.6
0482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	6.39	19.6
0.483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subtrame=2;3,4,7,8,9)			
0.484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8,47	19.6
0.485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, OPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	:19.8
0.486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10.487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9:6
0.488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	7,70	+9,6
0489	AAG	LTE-TDD (SC-FDMA, 60% R8, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.8
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.54	±9.6
0491	A.A.F	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8.9)	LTE-TOD	7,74	±9.6
10.492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8,41	±9.6
0.493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subtrame=2,3,4,7,8.9)	LTE-TDD	8.55	±9,6
0494	AAG	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8.9)	LTE-TDD	7.74	±9,6
0.495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe-2,3,4,7,8.9)	LTE-TDD	8.37	≥9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.54	±9.6
10.497	AAC	LTE-TOD (SC-FDMA, 100% RB, 1,4 MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3.4.7.8.9)	LTE-TDD	8.40	+9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.68	19.5
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9,8
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subltame=2.3.4.7.8.9)	LTE-TDD	8.52	±9.6
	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, OPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7,72	+9.8
10503	1.	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 0F3A, 0L Subhame=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10504	AAG			8.54	19.0
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Subkame=2,3,4,7,8,9)	LTE-TDD	7,74	and the second sec
10506	AAG	LTE-TOD (SC-FDMA, 100% RB, 10 MHz, OPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD		19.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 18-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 84-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.55	±9,6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7,99	±9,6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 18-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,49	±9.6
10511	A,A,F	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe~2,3,4,7,8,9)	LTE-TDD	8.51	±9.8
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8,42	±9,6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz; 84-QAM, UL Subframev2,3,4,7,8,9)	LTE-TOD	B.45	±9.6
10515	AAA	IEEE 802.11b WIFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA.	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±0.6
10517	AAA	IEEE 802,11b WiFi 2.4 GHz (DSSS, 11 Mops, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAD	IEEE 802.11 a/h WIFI 5 GHz (OFDM, 9 Mbps, 96pc duty cycle)	WLAN	8.23	±9.6
10519	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	+8.6
10.520	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 89pc duty cycle)	WLAN	8.12	±9.6
10.521	AAD	IEEE 802,11a/h WIFI 5 GHz (OFDM, 24 Mbps, 96pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8,45	19.6
10523	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mops, 99pc duty cycle)	WLAN	8.08	+9.6
10524	AAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 54 Mbps; 99pc duty cycle)	WLAN	8.27	±9.6
10525		IEEE 802.11ac WIFI (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	+9.0
10526	and the second sec	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	19.8
		IEEE 802.11ac WiFi (20 MHz, MCS1, wipc buty cycle) IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	
10527	and the second se			and the second second	±9.6
10528		IEEE 802.11ac WiFI (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	+9.6
10529		IEEE 802.11ac WIFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	19.6
10531	AAD	IEEE 802.11ac WIFI (20 MHz, MCS6, 99pc duty cycle)	WLAN	8,43	±9.6
10532		IEEE 802.11ac WIFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.8
10533	and the second s	IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	8,38	±9.6
10534		IEEE 802,11ac WIFI (40 MHz, MCS0, 99pc duty cycle)	WLAN	B,45	±9,6
10535		IEEE 802.11ac WIFI (40 MHz, MCS1, 99pc duty cycle)	WI_AN	8.45	19.6±
10536	AAD	IEEE 802.11ac WIFI (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	B,44	19.6
10538	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
	AAD	IEEE 802.11ac WIFI (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	19.6

Certificate No: EX-7732_Jun24

Page 14 of 21



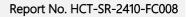


June 19, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E & =
10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAD	IEEE 802 That WIFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.85	±9.8
0543	AAD	IEEE 802.11ac WilFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
0544	AAD	IEEE 802.11ac WIFI (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
0545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duly cycle)	WLAN	8.55	±9,6
0548	AAD	IEEE 802.11ac WIFI (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
0547	AAD	IEEE 802.11ac WIFI (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
1 mil 1 mil	AAD	and a second and the second and a second and the second second second second second second second second second	WLAN	8.37	±9.6
0548	AAD	IEEE 802.11ac WIFI (80 MHz, MC54, 99pc duty cycle) IEEE 802.11ac WIFI (80 MHz, MC56, 99pc duty cycle)	WLAN	8.38	±9.6
0550	AAD	and the second second as a second s	WLAN	8.50	±9.6
0.551		IEEE 802.11ac WIFI (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
0552	AAD	IEEE 802.11ac WFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
0553	AAD	IEEE 802.11ac WIFI (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
0554	AAE	IEEE 802.11ac WFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
0.555	AAE	IEEE 802.11ac WIFI (160 MHz, MCS1, 99pc duty cycle)			the second se
0.556	AAE	IEEE 802.11ac WIFI (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±8.6
0.557	AAE	IEEE 802.11ac WIFI (160 MHz; MCS3, 99pc duty cycle)	WLAN	8.52	±9,6
0.558	AAE	IEEE 902.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
0560	AAE	IEEE 802.11ac WiFI (160 MHz, MCS6, 99pc duty cycle)	WEAN	8.73	±9.6
0561	AAE	IEEE 802.11ac WiFI (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
0562	AAE	IEEE 802.11ac WIFI (160 MHz, MCSB, 99pc duty cycle)	WLAN	8.69	±9.fi
0563	AAE	IEEE 802.11ac WIFI (160 MHz, MCS9, 99pc duty cycle)	WLAN	0.77	±9.6
0564	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
0.585	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8,45	±9.6
0.566	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 18 Mops, 99pc dv/y cycle)	WLAN	8,13	#9.6
0567	AAA	IEEE 802.11g WIFi 2,4 GHz (DSSS-OFDM, 24 Maps. 99pc duty cycle)	WLAN	8:00	±9.6
10.558	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps. 99pc duty cycle)	WLAN	8.37	±9.6
0.569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8,10	±9.6
0570	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 09pc duty cycle)	WLAN	8.30	±9.6
10.571	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1,99	19.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	+9.6
10573	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	T.98	±9.6
10.574	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11p WiFi 2.4 GHz (DSSS-OFDM, 6 Mbpe, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA.	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.0
10578	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	19.6
10579	AAA	IEEE 802, 11g WFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	0.36	±9.8
10580	AAA	IEEE 802.11g WFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	0.35	±9.6
10582	AAA	IEEE 802.11g WFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	and the second second	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9,6
10584	AAD	IEEE 862.11am WFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8,49	+9.8
10.587	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	19.6
and the property lies	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 26 Mops, 90jc duty cycle)	WLAN	8,76	±9.6
10,588	AAD		WLAN	8.35	±9.0 ±9.6
10589		IEEE 802.11a/h WiFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle) IEEE 802.11a/h WiFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	19.6
10590	and the second se	and the second se			
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	:: 9.6
10592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	19.6
10593		IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	19.6
10595		IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596		IEEE 802.11n (HT Mixed, 20 MHz, MGS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597	And the state of t	IEEE 802.11n (HT Mixed, 20 MHz, MGS6, 90pc duty cycle)	WLAN	8.72	±9.8
10598		IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	the second second second	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8:79	±9,6
10600	- Andrewson and the state of th	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10:601	and the local division of	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8,82	±9.6
10602	AAD	IEEE 802.11n (HT Mored, 40 MHz, MCS3, 80pc duty cycle)	WLAN	8.94	±9.6
10603	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 80pc duty cycle)	WLAN	9.03	±9.6
10804	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605	(AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10606	AAD	IEEE 902.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	19.6
10607		IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
10608		IEEE 802.11ac WIFI (20 MHz, MCS1, 90pc duty cycle)	WLAN	8,77	±9.6

Certificate No: EX-7732_Jun24

Page 15 of 21





June 19, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =:
0.609	AAD	IEEE 802.11ac WIFI (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
0.610	AAD	IEEE 802.11ac WFI (20 MHz, MC53, 90pc duty cycle)	WLAN	8.78	+9.6
0611	AAD	IEEE 802.11ac WIFI (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
0612	AAD	IEEE 802.11ac WIFI (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0613	AAD	IEEE 802.11ac WIFI (20 MHz, MCS8, 80pc duty cycle)	WLAN	8.94	±9.6
0.614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8,59	B.8±
0615	AAD	IEEE 802.11ac WIFI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
0616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
0617	AAD	IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
0618	AAD	IEEE 802.11ac WIFI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
0619	AAD	IEEE 802.11ac WIFI (40 MHz, MCS3, 90pc duty cycle)	WLAN	8,86	19.6
0620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	+9.6
10621	AAD	EEE 802 11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8,77	19,6
10622	AAD	IEEE 862.11ac WIFI (40 MHz, MC56, 90pc duty cycle)	WLAN	8.68	±9.6
0623	AAD	IEEE 802,11ac WIFI (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	+9.6
10624	AAD	IEEE 802 11ac WFI (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.96	±0.6
10625	AAD	IEEE 802.11ac WFI (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	+9.6
	AAD	IEEE 802.11ac WiFI (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10.628	- Andrewson -	and the second se	WLAN	8.88	±9.6
10627	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.71	19.6
10628	AAD	IEEE 802.11ac WIFI (80 MHz, MCS2, 90pc duty cycle)	1000000	and the second se	
10629	AAD	IEEE 802.11ac WIFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	19.6
10.630	AAD	IEEE 802.11ac WIFI (80 MHz, MCS4, 90pc duty cycle)		and the second second second	19.6
10-631	AAD	IEEE 802.11ac WIFI (80 MHz, MCS5, 90pc duty cycle)	WLAN	8,81	±9.8
10632	DAA	IEEE 802.11ac WIFI (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9,6
10.633	DAA,	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WEAN	8.83	±9.6
10634	(AAD	IEEE 802,11ac WiFi (80 MHz, MCS8, 90pc duly cycle)	WLAN	8.80	±9.6
10635	CAA.	IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8,81	±9.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	1.9.6
10637	AAE	IEEE 802.11ac WIFI (160 MHz, MCS1, 90pc duty cycle)	WEAN	8.79	±9.6
10638	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±B.6
10639	AAE	IEEE 802.11ac WIFI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAE	IEEE 802.11ac WIFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAE	IEEE 802.11ac WIFI (160 MHz, MCSS, 90pc duty cycle)	WLAN	9.06	±9.6
10642		IEEE 802.11sc WIFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10:643	and the second	IEEE 802.11ac WIFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.8
10644	AAE	IEEE 802,11ac WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.8
10845	AAE	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9,11	19.6
10646		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subirame+2,7)	LTE-TDD	11.96	±9.6
10647	DAA	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subtrame=2,7)	LTE-TDD	11.96	±9,6
10648	AAA.	CDMA2000 (1x Advanced)	CDMA2000	3,45	±9,6
10652	AAF	LTE-TDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.5
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	±9.6
10654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7.21	±9.6
10658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660	BAA	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
10661	BAA.	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10662	BAA	Pulse Waveform (200Hz, 80%)	Test	0,97	19.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2,19	±9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	+9.6
10672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9:6
10673	and the second second	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
10674		IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8,74	±9.6
10675	and the lot of the lot	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
10676		IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10677	and a state of the state of the	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	+9.6
10678	in a subscription of the	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
10679		IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
10680	test indexed former	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10681		IEEE 802.11ax (20 MHz. MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
10682	Contraction of Females	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
10683	and the second second	IEEE 802.11ax (20 MHz, MCS0 / Sole duly cycle)	WLAN	8.42	19.6
10584	-	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
10685	the statistics of	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	19.6
10686			WLAN	8.28	
10.000	nno.	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	AAT AAF	0.28	±9.6

Certificate No: EX-7732_Jun24

Page 16 of 21



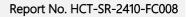


June 19, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
0.687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
0688	AAC	IEEE 802,11ax (20 MHz, MCS5, 99pc duty cycla)	WLAN	8.29	+9.6
0.689	AAC	IEEE 802,11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	+9.6
0690	AAC	IEEE 802.11ax (20 MHz, MC57, 99pc duty cycle)	WLAN	8.29	±9.6
0.691	AAD	IEEE 802.11nx (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
0692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
0693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WILAN	8.25	19.6
0694	AAC	IEEE 802.11ax (20 MHz, MC511, 99pc duty cycle)	WLAN	8.57	±9.6
0.685	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
0.696	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.91	±9.6
	AAC	IEEE 802.11ax (40 MHz, MCS1, sope doly cycle) IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
0697	AAC		WLAN	8,89	+9.6
0699	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	19.6
	and the second		WLAN	8.73	±9,6
0700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8,86	±9.6
0701	AAG	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.70	±9.6
0702	AAG	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	1000000	101000	and the second se
0703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9,6
0704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
0705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
0706	AAC	IEEE 902,11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
0.207	AAC	IEEE 902.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9,6
0708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
0709	AAC	IEEE 902.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.8
0710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.fi
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8,39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WEAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MC58, 99pc duty cycle)	WLAN	8.33	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10.716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz; MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAG	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	19.6
10720	AAG	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	19.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAG	IEEE 862.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	£9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 80pc duty cycle)	WLAN	8.65	+9.8
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730		IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	+9.6
10.731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	£9.8
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	19.8
10733	and the second second	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8,40	19.0
10734		IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8,25	19.6
10735	signation and	IEEE 802.11ax (80 MHz, WCS3, 99pc duty cycle)	WEAN	8.33	19.6
		IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)		8.27	and the second se
10736		a second of a second	WLAN		19.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	19.6
10738		IEEE 802,11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	19.6
10739	and the second second	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740		IEEE 802.11ax (80 MHz, MCSB, 99pc duty cycle)	WLAN	8.48	±9.6
10741	and the second second	IEEE 802.11ax (80 MHz, MCS10, 99pc duly cycle)	WLAN	8,40	\$9.0
10742	and a second second	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.0
10743		IEEE 802.11 ax (160 MHz, MC50, 90pc duty cycle)	WLAN	8.94	29.6
19744	and the second se	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9,16	±9.6
10745		IEEE 802,11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	19,8
10746	In the second	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.11	±9.6
10747		IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	19.6
10748	and a state of a loss	IEEE 802.11ax (160 MHz, MCSS, 90pc duty cycle)	WLAN	8.90	19.6
10749	AAG	IEEE 802.11 ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	19.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8,79	±9.6
10751	AAC	IEEE 902.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	19.6

Certificate No: EX-7732_Jun24

Page 17 of 21





June 19, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
0754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
0.755	AAC	IEEE 802,11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
0756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
0.757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycla)	WLAN	8.77	±9.6
0758	AAC	IEEE 802.11 ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
0759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WEAN	8.58	29.6
0760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8.49	±9.6
0781	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	19.6
0762	AAC	IEEE 802.11ax (160 MHz, MGS7, 99pc duty cycle)	WLAN	8.49	±9.6
0763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	19.6
0764	AAC	IEEE 802.11mx (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
0765	AAC	IEEE 802.11ax (160 MHz, MCS0, sope day cycle)	WLAN	8.54	±9.6
0766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
0767	AAG	SG NR (CP-OFDM, 1 RB, 5 MHz, OPSK, 15kHz)	5G NR FR1 TDD	7.99	+9.6
	AAE		5G NR FR1 TDD	8.01	±9.6
0768	and show that have	5G NR (CP-OFDM, 1 RB, 10 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.01	19.6
0769	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, OPSK, 15kHz)	5G NR FR1 TDD	8.02	
0770	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 15 kHz)	and the lot of the lot	and sold and some little and	土泉市
0771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.02	3.0±
0772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	19.6
0773	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.03	1.9.5
0774	AAE	5G NR (CP-OFDM, 1 RB, 53 MHz, OPSK, 15 kHz)	SG NR FR1 TDD	8.02	±9.6
0775	AAF	SG NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
0776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	50 NR FR1 TDD	8.30	±9.6
0777	AAC	5G-NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.8
10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,34	±9,6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	56 NR FR1 TDD	8.42	±9.6
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	+9.6
10781	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,38	:±9.6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10783	AAG	56 NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, GPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,40	±9.6
10786	AAE	5G NR (CP-OFDM, 100% R8, 20 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.35	19.6
10787	AAD	5G NR (CP-OFDM, 100% RE, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	8.44	+9.6
10788	AAE	5G NR (CP-OFDM, 100% R8, 30 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.39	19.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15kHz)	9G NR FR1 TDD	8.37	19.6
10790	and the second second	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 158Hz)	5G NR FR1 TDD	8.39	±9.6
10791	AAG	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, GPSK, 30 kHz)	SG NR FR1 TDD	7.92	19.6
	AAD	and the second se	5G NR FR1 TDD	7.95	±9.6
10793		5G NR (GP-OFDM, 1 RB, 15 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	7.82	
10.794	AAE	SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)		the second se	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, OP5K, 36 kHz)	5G NR FR1 TDD	7.82	±9.0
10797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAE	50 NR (CP-OFDM, 1 R8, 50 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	7.89	±9.6
10799	AAF	5G NR (CP-OFDM, 1 R8, 60 MHz, QPSK, 36 kHz)	5G NR FR1 TDD	7.93	東 9.6
10,801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10.002	AAE	5G NR (CP-OFDM, 1 R8, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9,6
10803		5G NR (CP-OFDM, 1 RB, 100 MHz; QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10.005	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
18806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAE	5G NR (CP-OFDM, 50% R8, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	+9.6
10810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.34	±9.6
10812	the second s	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 38 kHz)	5G NR FR1 TDD	8.35	±0.6
10817	AAG	5G NR (CP-OFDM, 100% RB, 5MHz, OP5K, 30kHz)	5G NR FR1 TDD	8.35	±9.8
10818		5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	and the second second second	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.33	±9.8
10820		5G NR (CP-OFDM: 100% R8, 20 MHz; OPSK; 30 kHz)	5G NR FR1 TDD	B.30	±9,6
10821		5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822		5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8,41	+9.6
10823		SG NR (CP-OFDM, 100% RB, 49 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	19.6
10824	al designments	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	SG NR FRI TDD	8.39	±9.6
		5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	11.000
10825		5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz) 5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.42	±9.6 ±9.6
10827					±9.6 ±9.6
10828	AAE	50 NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 90 kHz)	5G NR FR1 TDD	8.43	1 13

Certificate No: EX-7732_Jun24

Page 18 of 21



June 19, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k =$
0829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	8,40	±9.6
0830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.60	19.6
0831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.8
0832	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, GP5K, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
3833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
0834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, GPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
0835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
1836	AAE	5G NR (CP-OFDM, 1 R8, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.66	±9.6
3837	AAF	5G NR (CP-OFDM, 1 R8, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
0839	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 80 kHz)	5G NR FR1 TDD	7.70	:9.6
0840	AAE	5G NR (CP-OFDM, 1 R8, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
0841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	+9.6
0.843	AAD	5G NR (CP-OFOM, 50% RB, 15MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
0844	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	19.6
0846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	E.41	±9.6
0854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 60 kHz)	50 NR FR1 TDD	8.34	+9,6
Contraction of the local division of the loc	AAD		5G NR FR1 TDD	8.36	±9.6
0855	and the second se	5G NR (CP-OFOM, 100% RB, 15MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
0856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, CPSK, 60 kHz)		1. T.	
0857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
0.858	AAE	50 NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
0.859	AAF	5G NR (CP-QFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	-5G NR FR1 TDD	8.34	±9.6
0.960	AAE	5G NR (CP-OFDM, 100% R8, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,41	土9,6
0.861	AAF	5G NR (CP-CFDM, 100% RB, 60 MHz, QP5K, 60 kHz)	SG NR FR1 TDD	8.40	±9.6
0.863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,41	±9.6
0864	AAE	5G NR (CP-OFDM, 100% R8, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,37	19.6
0.865	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,41	±9.8
0866	AAF	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, GPSK, 30 kHz)	SG NR FR1 TDD	5,68	±9.6
0868	AAF	5G NR (DFT-6-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
0869	AAE	SG NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9,6
0870	AAE	5G NR (OFT-9-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5,86	±9.6
0871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 129 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT-8-OFDM, 100% R8, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	土9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 R8, 100 MHz; 64GAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 54QAM, 120 kHz)	5G NR FR2 TDD	6.65	19.6
0875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, OPSK, 120 kHz)	SG NR FR2 TDD	7,78	±9.0
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% R8, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64GAM, 126kHz)	5G NR FR2 TDD	8,12	19.6
10880	AAE	5G NR (CP-OFDM, 100% R8, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8,38	±9.0
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-8-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFT-5-OFDM, 1 RB, 50 MHz, 180AM, 120 kHz)	5G NR FR2 TDD	6.57	±9.0
10884	AAE	5G NR (DFT-e-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	+9.8
10885	AAE	5G NR (DFT-6-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.0
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 54QAM, 120 kHz)	5G NR FR2 TOD	6.65	29.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10.888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	+9.0
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 188, 50 MHz, 540AM, 120 kHz)	5G NR FR2 TDD	8.13	19.6
10.892	AAE	5G NR (CP-OFDM, 196, 50 MHz, 540AM, 120 KHz)	5G NR FR2 TDD	8.41	19.8
10.892	AAE	5G NR (DFT=OFDM, 1005 HB, 50MHz, 04046, 120 KHz)	SG NR FR1 TDD	5.66	19.8
10890	AAC	5G NR (DFT=OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	19.0
10998			5G NR FR1 TDD	5.67	19.6
	-	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, OPSK, 30 MHz) 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, OPSK, 30 KHz)	5G NR FR1 TOD	5.68	19/
10900			5G NR FR1 TDD	5.68	194
10901	AAB	5G NR (DFT-t-OFDM, 1 RB, 25 MHz, OPSK, 30 kHz)	and the second se	and the second se	
10902	in a second second	SG NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	5.68	194
10903	_	55 NR (DFT-6-OFDM, 1 RE, 40 MHz, OPSK, 30 kHz)		5,88	19.6
10904	the second second	5G NR (DFT=-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,68	±9.6
10905		5G NR (DFT-s-OFDM, 1 RB, 60 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	in the second second	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,68	±9.6
10907	a second and	SG NR (DFT-6-OFDM, 50% RB, 5 MHz, QPSK, 30 MHz)	5G NR FR1 TDD	5.78	±9.6
10908		5G NR (DFT-e-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9,6
10909	and the state in the second	SG NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	19.8
10910	AAC	5G NR (DFT-e-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

Certificate No: EX-7732_Jun24

Page 19 of 21





June 19, 2024

UID	Hev	Communication System Name	Group	PAR (d8)	Unc ^E k =:
10911	AAB	5G NR (DFTs-OFDM, 50% RB, 25 MHz, QPSK, 30 NHz)	5G NR FRT TDD	5.93	±9.6
0912	AAG	5G NR (DFTs-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	B.84	+9.6
0913	AAD	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	5.84	±9.6
0914	AAC	5G NR (DFT-6-OFDM, 50% RB, 50 MHz, GPSK, 30 kHz)	50 NR FR1 TDO	5.85	±9.6
0915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.83	+9.6
0916	AAD	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
0917	AAD	5G NR (DFT-6-OFDM, 50% R8, 100 MHz, QPSK, 30 kHz)	SG NR FR1 TDO	5.94	±9.6
0918	AAE	5G NR (DFT-9-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	19.6
0919	AAC	5G NR (DFFs-GFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	50 NR FR1 TDO	5.86	±9,6
0920	AAB	5G NR (DFTs OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	19.6
0921	AAC	5G NR (DFTs-OFDM, 100% RB, 20 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
0922	AAB	5G NR (DFTs-OFDM, 100% RB, 25 MHz, QPSK, 30 HHz)	5G NR FR1 TDD	5.82	19.6
0923	AAC	50 NR (DFT=0-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	19.6
0924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	19.6
0925	AAC	and the state of the	5G NR FR1 TDD	5.95	19.6
the second second	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, OPSK, 30 kHz)	1775 C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
0926		5G NR (DFT-s-DFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,84	+9,8
0927	AAD	5G NR (DFTs-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5,94	±9,6
0.928	AAD.	SG NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,52	+9,6
0929	AAD	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	SG NR FR1 FDD	5.52	±8.6
0933	AAC	5G NR (DFTs-OFDM, 1 R8, 15MHz, QPSK, 15kHz)	SG NR FR1 FDD	5.52	
0931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20MHz, GPSK, 15kHz)	5G NR FR1 FDD	5.51	±9,6
0932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0.933	AAC	5G NR (DFFs-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,51	19.6
0934	AAC	SG NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0.035	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QP5K, 15 kHz)	5G NR FR1 FDD	5.51	19.6
0936	AAD	5G NR (DFTs-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.90	±9.8
0.937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 FDD	5,77	±9.6
0.938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,90	±9,6
0939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
0940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9,6
0.941	AAC	SG NR (DFT-p-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9,6
0942	AAC	5G NR (DFT-8-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	CAA.	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
10944	CAA	5G NR (DFT-9-OFDM, 100% RB, 5 MHz, OPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9:6
10945	GAA	5G NR (DFTs-QFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,85	±9.6
10946	AAC	5G NR (DFT-6-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,83	±9,8
10947	AAC	5G NR (DFT-8-OFDM, 108% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9,6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, GPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10.951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	6.92	±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±0.6
0953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	+9.6
10.954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
10.956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 84-GAM, 30kHz)	5G NR FR1 FDD	8,14	±9.6
10.957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	SG NR FR1 FDD	8.31	19.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz)	SG-NR FR1 FDD	8.61	19.6
	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 MHz)	5G NR FR1 FDD	8,33	19.6
10969	AAE		5G NR FR1 FUD	9.32	19.6
10960	AAC	5G NR DL (CP-OFDM, TM 5.1, 5MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	and the second se	and the second second
10961		5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)		9,36	19/6
10962	CONTRACTOR AND IN	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 MHz)	5G NR FR1 TDD	9.40	±9.6
10963	- Andrewson	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	and the second particular	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-GAM, 30 kHz)	5G NR FR1 TDD	9,29	±9,6
0965	and the state of the latest	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 54-QAM, 30 kHz)	5G NR FR1 TDD	a second second	±9,6
10.966			5G NR FR1 TDD	9.55	±9.8
10967	and south the second	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9,42	±9.0
10968			5G NR FR1 TDD	9,49	+9.6
10972			50 NR FR1 T0D	11.59	±9.6
10973	- Benderlander and State	SG NR (DFT= OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974		5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
10978	collection for statute	ULLA BDR	ULLA	1.14	±9.6
10979		ULLA HDR4	ULLA	8.58	±9.6
10,980	AAA	ULLA HOR8	ULLA	10,32	1,9,6
10981	AAA	ULLA HDRp4	ULLA	3.19	±9.6
10982	AAA	ULLA HDRp8	ULLA	3.43	+9.6

Certificate No: EX-7732_Jun24

Page 20 of 21



June 19, 2024

UID	Bev.	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10583	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAB	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9,6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9,54	±9,6
10,986	AAS	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.8
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	8.53	±9.8
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9,38	±9:8
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-GAM, 30 kHz)	5G NR FR1 TDD	9.33	19.6
10990	AAB	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	SG NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	+9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	19.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	SG NR FR1 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.55	±9,6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9;6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	SG NR FR1 FDD	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	SG NR FR1 FDD	8.95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8,98	19.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, SOMHz, 64-QAM, 38 kHz)	5G NR FR1 FDD	8.65	+9.6
11053	AAB	IEEE-802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8,47	±9.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	3.9±
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8,44	±0.6
11016	AAB	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	+9.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8,41	±9.6
11018	AAB	IEEE 802.11be (320 MHz; MCS6, 99pc duty cycle)	WLAN	8.40	±9.8
11019	AAB	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9,6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8,27	±9.8
11021	AAB	IEEE 802.11bs (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.40	±9:6
11022	AAB	IEEE 802.11be (320 MHz; MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAB	IEEE 802.11be (320 MHz, MCS12, 98pc duty cycle)	WLAN	8,42	±9.6
11025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, MCSO, 99pc duty cycle)	WLAN	8.39	±9,6

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

Certificate No: EX-7732_Jun24

Page 21 of 21



Calibration Laboratory of Schmid & Partner Engineering AG Leughausstrasse 43, 8004 Zurich, Switzerland Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Autilitateral Agreement for the recognition of calibration certificates				•	C Se S Sv	hweizerischer Kalibrierdiens rvice suisse d'étalonnage rvizio svizzero di taratura viss Calibration Service itation No.: SCS 0108	
lient	ent HCT Gyeonggi-do, Republic of Korea		Certificate No.		EX-7370_Aug24		
CAL	IBRATION CI	ERTIFICATE	절	1	F 자	하 안 자	
Object		EX3DV4 - SN:7370	74 संग/4व म् म	712 Sw.	うるち	13 M34 2024. MAN	
Calibrat	ion procedure(s)	QA CAL-01.v10, QA CAL-1 QA CAL-25.v8 Calibration procedure for de				CAL-23.v6,	
Calibrat	ion date	August 22, 2024					
This cal The me	bration certificate doo asurements and the u	cuments the traceability to national stands ncertainties with confidence probability ar	rds, which re	alize the ph	ysical unit	s of measurements (SI). are part of the certificate	
		ducted in the closed laboratory facility: er					

Primary Standards	1D	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
OCP DAK-3.5 (weighted)	SN: 1249	05-Oct-23 (OCP-DAK3.5-1249 Oct23)	Oct-24
OCP DAK-12	SN: 1016	05-Oct-23 (OCP-DAK12-1016 Oct23)	Oct-24
Reference 20 dB Attenuator	SN: CC2652 (20x)	26-Mar-24 (Np. 217-04046)	Mar-25
DAE4	SN: 660	23-Feb-24 (No. DAE4-660 Feb24)	Feb-25
Reference Probe EX3DV4	SN: 7349	03-Jun-24 (No. EX3-7349 Jun24)	Jun-25
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-24)	In house check: Jun-26
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-24)	In house check: Jun-26
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

	Name	Function	Signature
Calibrated by	Joanna Lleshaj	Laboratory Technician	Aller
Approved by	Sven Kühn	Technical Manager	Cin
This calibration certificat	te shall not be reproduced except in	full without written approval of the lab	Issued: August 22, 2024 oratory.

Certificate No: EX-7370_Aug24

Page 1 of 22



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



S Schweit C Service S Swiss C

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 Multilateral Agreement for the recognition of calibration certificates

Glossary

TSL NORMx.y.z	tissue simulating liquid sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diade compression point
CF	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization of	@ rotation around probe axis
Polarization ϑ	ϑ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\vartheta = 0$ is normal to probe axis
Connector Angle	information used in DARY system to align proba connect V to the solutionate constinute system.

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 ∂ = 0 (f ≤ 900 MHz in TEM-ceil; 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(t)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. 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; Cx,y,z; VRx,y,z; A, B, C, D are numerical linearization parameters assessed based on the data of
 power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum
 calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ±50 MHz to ±100 MHz.
- Spherical isotropy (3D deviation from isotropy): In a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Certificate No: EX-7370_Aug24

Page 2 of 22



August 22, 2024

Parameters of Probe: EX3DV4 - SN:7370

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (µV/(V/m) ²) A	0.49	0.48	0.43	±10.1%
DCP (mV) B	98.0	106.6	100.0	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	c	D dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	122.2	±1.7%	±4.7%
		Y	0.00	0.00	1.00		147.2	0.0255410.500	
		Z	0.00	0.00	1.00		141.8	1	
10352	Pulse Waveform (200Hz, 10%)	X	20.00	89.83	19.61	10.00	60.0	±3.4%	±9.6%
		Y	1.72	61.63	7.47		60.0		
		Z	20.00	89.20	19.30		60.0	1	
10353	Pulse Waveform (200Hz, 20%)	X	20.00	92.69	19.78	6.99	80.0	±2.5%	±9.6%
		Y	0.93	60.09	5.86	201000	80.0	0000000	
		Z	20.00	91.58	19.08		80.0		
10354	Puise Waveform (200Hz, 40%)	X	20.00	100.55	22.12	3.98	95.0	±1.2%	±9.69
	C 2744 P 19 10 20 0 10 20 0 10 20 0 20 20 20 20 20 20 20 20 20 20 20	Y	0.51	60.00	5.25		95.0		10000000
	NEWSTREET, WEITHER STOCKED BEILD	Z	20.00	97.15	20.22		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	112.37	26.19	2.22	120.0	±0.9%	±9.6%
		Y	0.36	61.17	5.86		120.0		
		Z	20.00	104.95	22.52		120.0		
10387	QPSK Waveform, 1 MHz	X	1.71	65.44	14.97	1.00	150.0	±1.7%	±9.6%
		Y	1.61	66.97	15.14		150.0		
		Z	1.62	65.08	14.43	E	150.0		
10388	QPSK Waveform, 10 MHz	X	2.25	67.63	15.65	0.00	150.0	±1.1%	±9.6%
		Y	2.08	67.54	15.60		150.0		
-424101		Z	2.13	66.79	15.12		150.0		
10396	64-QAM Waveform, 100 kHz	X	2.40	66.56	18.97	3.01	150.0	±1:0%	±9.6%
		Y	2.36	68.40	17.78		150.0		
		Z	2.56	68.51	17.90		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.54	66.94	15.76	0.00	150.0	±0.7%	±9.6%
	24	Y	3.41	67.02	15.68		150.0	12120302	32020213
		Z	3.49	66.67	15.54		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.94	65.50	15.51	0.00	150.0	±1.5%	±9.6%
		Y	4.70	65.73	15.48	000000	150.0		
		Z	4.88	65.50	15.46		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%.

A The uncertainties of Norm X,Y,Z do not affect the E²-field uncertainty inside TSL (see Pages 5 and 6).
 B Linearization parameter uncertainty for maximum specified field strength.
 E Uncertainty is detarmined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

Certificate No: EX-7370_Aug24

Page 3 of 22



August 22, 2024

Parameters of Probe: EX3DV4 - SN:7370

Sensor Model Parameters

	C1 fF	C2 fF	ν ^α V ⁻¹	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
x	52.3	392.95	35.98	8.42	0.04	5.03	0.00	0.38	1.00
y I	34.0	242.77	32.83	8.09	0.00	4.90	1.47	0.00	1.00
z	45.2	340.45	36.02	5.51	0.11	5.02	1.27	0.14	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-86.1*
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	t 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: EX-7370_Aug24

Page 4 of 22



August 22, 2024

Parameters of Probe: EX3DV4 - SN:7370

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
750	41.9	0.89	8.87	10.01	9.70	0.40	1.27	±11.0%
835	41.5	0.90	8.67	9.79	9.49	0.39	1.27	±11.0%
900	41.5	0.97	8.53	9.63	9.34	0.39	1.27	±11.0%
1640	40.2	1.31	7.39	8.34	8.09	0.39	1.27	±11.0%
1750	40.1	1.37	7.25	8.18	7.93	0.39	1.27	±11.0%
1900	40.0	1.40	7.10	8.02	7.77	0.39	1.27	±11.0%
2300	39.5	1.67	6.82	7.70	7.46	0.39	1.27	±11.0%
2450	39.2	1.80	6.68	7.54	7.31	0.39	1.27	±11.0%
2600	39.0	1.96	6.55	7.40	7.17	0.39	1.27	±11.0%
3300	38.2	2.71	6.29	7:11	6.89	0.38	1.27	±13.1%
3500	37.9	2.91	6.25	7.05	6.83	0.38	1.27	±13.1%
3700	37.7	3.12	6.22	7.03	6.81	0.38	1.27	±13.1%
3900	37.5	3.32	5.87	6.63	6.42	0.38	1.27	±13.1%
4100	37.2	3.53	5.81	6.56	6.36	0.38	1.27	±13.1%
5250	35.9	4.71	5.03	5.68	5.51	0.33	1.27	±13.1%
5600	35.5	5.07	4.63	5.23	5.07	0.29	1.27	±13.1%
5750	35.4	5.22	4.63	5.22	5.06	0.28	1.27	±13.1%
5800	35.3	5.27	4.66	5.26	5.10	0.27	1.27	±13.1%

^G Frequency validly 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 validly below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessed at 30 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 4–9 MHz. Above 50 Hz frequency validly can be extended to ±10 MHz.
^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for *c* and *a* by less than ±5% from the target values (typically better than ±3%) and are valid for TSL, with deviations of up to ±10% if SAR convection is applied.
^G Apha/Dapth 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.

boundary.

H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

Certificate No: EX-7370_Aug24

Page 5 of 22



August 22, 2024

Parameters of Probe: EX3DV4 - SN:7370

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
6500	34.5	6.07	5.45	6.15	5.96	0.20	1.27	±18.6%

^C Frequency validity at 8.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the CorvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.
^F The probes are calibrated using fissue simulating liquids (TSL) that deviate for *e* and *o* by less than ±10% from the target values (typically better than ±8%) and are valid for TSL with deviations of up to ±10%.
^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies between 6–10 GHz at any distance larger than half the probe tip diameter from the boundary.

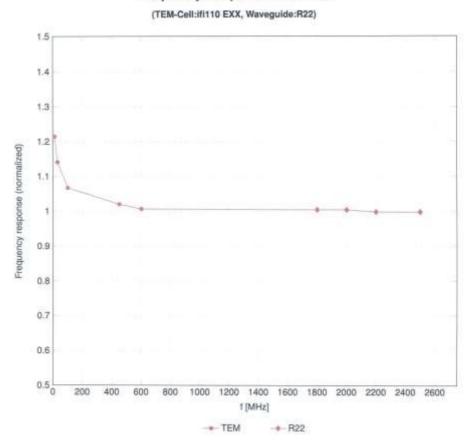
H The stated uncertainty is the total calibration uncertainty (k = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in Table 9 of IEC/IEEE 62209-1528:2020.

Certificate No: EX-7370_Aug24

Page 6 of 22



August 22, 2024



Frequency Response of E-Field

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

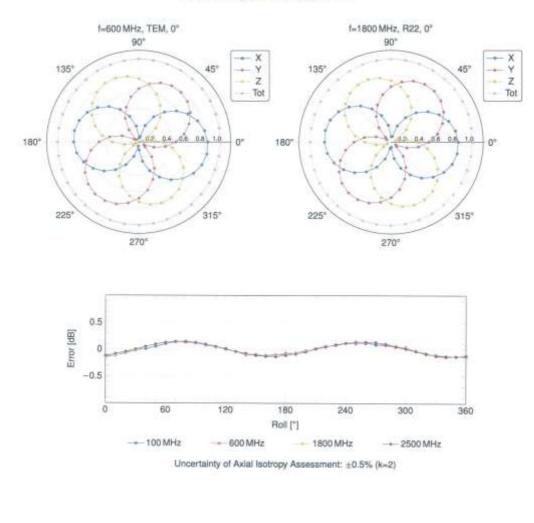
Certificate No: EX-7370_Aug24

Page 7 of 22

August 22, 2024



EX3DV4 - SN:7370



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

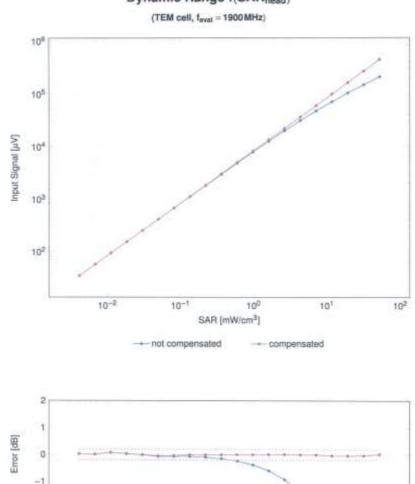
Certificate No: EX-7370_Aug24

Page 8 of 22

August 22, 2024



EX3DV4 - SN:7370



Dynamic Range f(SARhead)

F-TP22-03 (Rev. 06)

-2

Certificate No: EX-7370_Aug24

10⁻²

10-1

not compensated

100

--- compensated

SAR [mW/cm3]

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

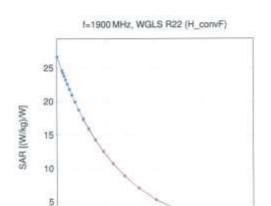
Page 9 of 22

101

102



August 22, 2024



00

10

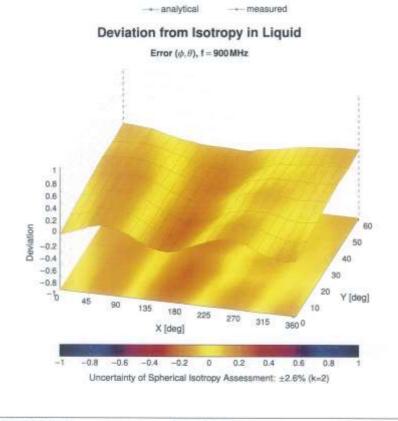
20

z [mm]

30

40

Conversion Factor Assessment



Certificate No: EX-7370_Aug24

Page 10 of 22



August 22, 2024

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
0		CW	CW	0.00	±4.7
0010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
0011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
0012	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
0013	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
0021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
0.023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
			GSM	6.56	±9.6
0024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)		and the second sec	
0.052	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
0.026	DAC	EDGE-FD0 (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
0.027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
0020	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
0.029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
0630	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
0031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
0032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetoath	1.16	±9.6
0033	CAA	IEEE 802 15.1 Bluetooth (PI/4-DOPSK, DH1)	Bluetooth	7.74	±9.6
0034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
and the second second	CAA	IEEE 802.15.1 Buetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
0035			100000		
0036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
0037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetpoth	4,77	±9.6
0038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4,10	19.6
0039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
0.042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Hafrate)	AMPS	7.78	19.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	19.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Sixt, 24)	DECT	13.80	±9.6
0049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Skit, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	19.6
0058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	19.6
10059	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	19.6
			2007000		the second second
00001	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2,83	±9.6
10051	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10.062	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps)	WEAN	8.68	19.6
10063	CAE	IEEE 802.11wh WIFI 5 GHz (OFDM, 9 Mbps)	WLAN	8,63	±9.6
10054	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
0065	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	19.6
10086	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
0.067	CAE	IEEE 802,11a/h WIFI 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	+9.6
880.0	CAE	IEEE 802.11a/h WiFI 5 GHz (OFDM, 48 Mbps)	WEAN	10.24	19.6
10059	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	+9.6
10071	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 9Mbps)	WLAN	9.83	19.6
10072	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mbps)	WEAN	8.62	
			- C1 2018 (177)	10121213	19.6
0073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
0074	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	19.6
10075	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
0.078	CAB	IEEE 802.11g WiFI 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
0077	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 54 Mops)	WLAN	11.00	19.6
0081	CAB	COMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
0.082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DOPSK, Fullrate)	AMPS	4.77	19.6
0000	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	+9.6
0.097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
0098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA.	3.98	19.6
0.099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	19.6
0100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	
0100	CAF		Part and Part and	Sec. de la	+9.6
		LTE-FDD (SC-FDMA, 100% R8, 20 MHz, 16-QAM)	LTE-FDO	6.42	±9.6
0102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDO	8.60	±9.6
0103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	19.6
10105	CAH	LTE-TDD (SC-FDMA, 100% R8, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
0108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	19.6
10109	CAH	LTE-FDD (SC-FDMA, 100% R8, 10 MHz, 16-QAM)	LTE-FDD	6.43	+9.6
		LTE-FDD (SC-FDMA, 100% R8, 5MHz, GPSK)	LTE-FDD	5.75	19.6
0110	CAH				

Certificate No: EX-7370_Aug24

Page 11 of 22





August 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
0112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 84-QAM)	LTE-FOD	6.59	39.6
0113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
0114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	:::::::::::::::::::::::::::::::::::::::
0115	CAE	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	成現.6
0116	CAE	IEEE 802 11n (HT Greenfield, 135 Mops, 64-QAM)	WLAN	8.15	:±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, 8PSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802.11n (HT Mored, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FOD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6,49	±9.6
10141	GAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5,73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	8.65	±9.6
0145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
0146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% R8, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDO	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	19.6
0151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
0152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10.153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.8
10154	CAH	LTE-FDD (SC-FDMA, 50% BB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9,6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 84-GAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	19,6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
10166	CAG	LTE-FOD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50%-RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FOD (SC-FDMA, 1 RB, 20MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9,21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	19.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10.176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 15-QAM)	LTE-FDD	6.52	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 84-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FDD	5,72	±9,6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 15-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-FDD	8.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-FDD	6.51	19.6
10185	CAG	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FDD	8.50	±9.6
10187	1.000	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK) LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 18-QAM)	LTE-FDD	5,73	±9.6
10188	CAG		LTE-FDD	6.52	±9.6
10189	CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM) IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	LTE-FDD	6.50	±9.6
			WLAN	8.09	+9.6
10194	CAE	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WEAN WEAN	8.12	19.6
10196	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64 QAM) IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.21	19.6
10198	CAE		WLAN	8.10	+9.6
		IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM) IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8,13	19.6
10198	CAE	 A second control of the process of the	WLAN	8.27	±9.6
10219	disciplination in the	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	19.5
10221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±8.6
10.223	CAE	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
10224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WI_AN	8.08	19.6

Certificate No: EX-7370_Aug24

Page 12 of 22



August 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^{E} k \approx$
0225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
0226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	±9.6
0227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, OPSK)	LTE-TDD	9.22	±9.6
0229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TOD	9.48	±9.6
0230	CAE	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
0232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-TDD	9,48	±9.6
0233	CAH	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-TDD	9.21	±9.8
0235	CAH	LTE-TDD (SC-FDMA, 1 R8, 10 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
0236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	29.6
0237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.21	±9.6
0238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TOD	9.48	±9.6
0239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0246	CAG	LTE-TOD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.6
0241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
0242	CAC	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
0243	CAC	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
0244	CAE	LTE-TDD (SC-FDMA, 50% RB; 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
0245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
0246	CAE	LTE-TOD (SC-FDMA, 50% R8, 3 MHz, QPSK)	LTE-TDD	9.30	±9.6
0247	CAH	LTE-TOD (SC-FDMA, 50% R8, 5 MHz, 16-QAM)	LTE-TDD	9.91	±9.6
0248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	±9.6
0249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	±9.6
0250	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	±9.6
0251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
0.252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, OPSK)	LTE-TDD	9.24	±9.6
0.253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-TDD	9.90	19.6
0254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10,14	±9,6
0255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-TDD	9.20	±9.6
0.256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
0.257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
0258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, GPSK)	LTE-TDD	9.34	±9.6
0.259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-TDD	9.98	±9.6
0260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 84-QAM)	LTE-TDD	9.97	±9.6
0261	CAE	LTE-TOD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	±9.6
da anti da anti-	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-TDD	9.83	±9.6
0263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 84-QAM)	LTE-TDD	10.16	±9.5
0.265	CAH	LTE-TOD (SC-FDMA, 100% RB, SMHz, QPSK)	LTE-TDD	9.23	±9.6
0266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
0.267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD LTE-TDD	10.07	±9.6
0268	CAG	LTE-TOD (SC-FDMA, 100% RB, 15 MHz, 16 QAM)	LTE-TDD		19.6
0.269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.06	±9.6
0270	CAG	LTE-TDD (SC-FDMA, 100% R8, 15 MHz, QPSK)			19.6
0274	CAC	UMTS-FDD (HSUPA, Subjest 5, 3GPP Rel8.10)	UTE-TDD WCDMA	9.58	±9.6 ±9.6
0275	CAC	UMTS-FDD (HSUPA, Subtest 5, 33PP Rel8.10)	WCDMA	4.87	19.6
0277	CAA	PHS (QPSK)	PHS	11.81	±9.6
0278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
0279	CAA	PHS (QPSK, BW 884 MHz, Roloff 0.38)	PHS	12.18	±9.6
0290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
0.291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	19.6
0292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±0.0 ±9.6
0293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	19.6
0.295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	12.49	±9.6
0297	AAE	LTE-FOD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FDD	5.81	±9.6
0.298	AAE	LTE FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
0.299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-FDD	6.39	19.6
0300	AAE	LTE-FDD (SC-FDMA, 50% PB, 3 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
0301	AAA	IEEE 802.166 WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WMAX	12.03	±9.6
0302	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WMAX	12.57	±0.0 ±9.6
0.303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WMAX	12.62	19.6
0304	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PLISC)	WMAX	11.86	±9.6
1000		IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	±9.6
0305	AAA				

Certificate No: EX-7370_Aug24

Page 13 of 22



August 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10307	AAA	IEEE 802 16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WIMAX	14.49	±9.6
10308	AAA	IEEE 802 16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WIMAX	14.46	±9.6
0309	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 19QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	±9.8
0210	AAA	IEEE 802 16e WIMAX (29-18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	±9.6
10311	AAE	LTE FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.05	±9.8
0313	AAA	IDEN 13	IDEN	10.51	±9.6
10314	AAA	IDEN 1/6	IDEN	13.48	±9.6
0315	AAB	IEEE 802.11b WFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN.	1.71	±9.6
10316	AAB	IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAE	IEEE 802.11a WIFI 5 GHz (OFOM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±0.6
0.952	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10383	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 80%)	Generic	2.22	±9.6
0356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
0387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
0388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
0396	AAA	54-QAM Waveform, 100 kHz	Generic	6.27	±9.6
0399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
0400	AAF	IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
0400	AAF	IEEE 802.11ac WiFi (20 MHz, 64-QAW, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, 64-QAW, 99pc duty cycle)	WLAN	8.60	±9.6
0402	AAF	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
0403	AAB	CDMA2800 (1xEV-BO, Rev. 0)	CDMA2000	3.76	=9.8
10403	AAB	GDMA2000 (1xEV-DO, Pey, 0) GDMA2000 (1xEV-DO, Pey, A)	CDMA2000	3.75	±9.6
10406	AAB	CDMA2000, RC3, SC32, SCH0, Full Rate	CDMA2000	5.22	
0410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10MHz, OPSK, UL Subframe=2,3,4,7,8,9, Subframe Cont=4)	LTE-TDD	7.82	±9.6
0410	AAA	and the second of the second	and the balance is a lot of the l	and the second se	±9.6
0414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Ganaric	8.54	±9.6
0415		IEEE 802.11b WFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
	AAA	IEEE 802.11g WFI 2.4 GHz (ERP-OFDM, 6 Mops, 99pc duty cycle)	WLAN	8.23	±9.6
0417	and a state of the	IEEE 802.11a/h WFI 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0418	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
0419	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mops, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
0422	DAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WEAN	8.32	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	B.47	±9.6
0424	AAD	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	19.6
10425	AAD	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WEAN	8.41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-CIAM)	WLAN	B.45	±9.6
10.427	AAD	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WILAN	8,41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
0431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
0432	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	19.6
0433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9,6
0434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAG	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10.447	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1, Olipping 44%)	LTE-FDD	7.58	±9.8
0448	AAE	LTE-FOD (OFDMA, 10MHz, E-TM 3.1, Cippin 44%)	LTE-FDD	7.53	±9.6
0449	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Giping 44%)	LTE-FDD	7.51	±9.6
0450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
0451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
0453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
0456	AAD	IEEE 802.11ac WIFI (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
0457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
0458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
0459	AAA	CDMA2000 (1xEV-DO, Rev. 8, 3 carriers)	CDMA2000	8.25	±9.6
0460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
0.461	AAC	LTE-TDO (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
0462	AAG	LTE-TOD (SC-FDMA, 1 R8, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.30	±9.6
0.463	AAG	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subtrame=2,3,4,7,8.9)	LTE-TDD	8.56	±9.6
0.464	AAD	LTE-TDD (SC-FDMA, 1 R8, 3MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0.465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
0.466	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TOD	8.67	±9.6
0.467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0.468	AAG	LTE-TDD (SC-FDMA, 1 R8, 5MHz, 18-QAM, UK, Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
0.469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8.9)	LTE-TOD	8.66	±9.6
0.470	AAG	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0471	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6

Certificate No: EX-7370_Aug24

Page 14 of 22



August 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E ∦ ≃
10472	AAG	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
0473	AAF	LTE-TOD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0474	AAF	LTE-TDD (SC-FOMA, 1 RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
0475	AAF	LTE TOD (SC-FDMA, 1 RB, 15MHz, 84-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	8.57	±9.8
0477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
0478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
0479	AAC	LTE-TOD (SC-FDMA, 50% R8, 1.4 MHz, QPSK, UL Subframe=2.3.4,7.8.9)	LTE-TDD	7,74	±9.6
0480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL, Subframe=2.3.4,7,8,9)	LTE-TDD	8.18	±9.6
0481	AAC	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.45	19.6
0482	AAD	LTE-TOD (SC-FDMA, 50% R8, 3 MHz, QPSK, UL Subhame=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
0483	AAD	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	19.6
	AAD		LTE-TDD	8.47	19.6
0484	AAG	LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 54-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% R8, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	19.6
0485	AAG		LTE-TDD	8.38	10.0
0485	1.000	LTE-TOD (SC-FOMA, 50% RB, 5MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	the second se	the second s	1001
0.487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	B.60	±9.6
0488	AAG	LTE-TDD (SC-FOMA, 50% RB, 10 MHz, QPSK, UL Subhame=2,3,4,7,8,9)	LTE-TDD	7.70	19.8
0489	AAG	LTE-TDD (SC-FDMA, 50% R8, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
0490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
0.491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7,74	±9.6
0492	AAF	LTE-TDD (SC-FDMA, 50% R8, 15 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	B.41	±9.6
0493	AAF	LTE-TOD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	B.55	±9.6
0494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	7.74	±9.6
0495	DAA	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 18-QAM, UL Subframe=2;3;4;7;8;9)	LTE-TDD	8.37	±9.6
0496	AAG	LTE-TDD (SC-FDMA, 50% R8, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	8.54	±9.6
0.497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TDD	7.67	19.6
0.498	AAC	LTE-TDD (SC-FDMA, 100% R8, 1.4 MHz, 16-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.40	±9.6
0499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframew2.3.4.7.8.9)	LTE-TDD	8.68	±9.6
0500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subtrame=2.3,4,7,8,9)	LTE-TDD	7.67	±9.6
0501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL Subtrame=234,78.9)	LTE-TDD	8.44	±9.6
0502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
0 503	AAG	LTE-TDD (SC-FDMA, 100% BB, 5MHz, QPSK, UL Subtrame=2.3.4.7.8.9)	LTE-TDD	7.72	±9.6
0 504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.31	±9.6
0.505	AAG	LTE-TDD (SC-FDMA, 100% RB, SMHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
0506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subtrame=2.3.4,7.8,9)	LTE-TDD	8.36	±9.6
0 508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	6.55	the second s
0509	AAF		and the second se	and the second se	±9.6
0510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
0511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8,49	±9.6
		LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 84-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	B.51	±9.6
0512	EAA	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8.9)	LTE-TDD	7.74	±9.8
0513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subtrame=2,3,4,7,6,9)	LTE-TDO	B.42	±9.6
0514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	B.45	19.6
0515	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
0516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
0517	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
0518	AAD	IEEE 802.11a/h WiFI 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
0519	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
0.650	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	B.12	±9.6
0521	AAD.	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
0.522	AAD.	IEEE 802.11a/h WIFI 5 GHz (OFDM; 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
0523	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
0524	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
0525	AAD	IEEE 802.11ac WIFI (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	19.6
0.528	AAD	IEEE 802.11ac WIFI (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
0.527	AAD	IEEE 802.11 ac WIFI (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
0528	AAD	IEEE 802.11ac WIFI (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
0529	AAD	IEEE 802.11ac WFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
0531	AAD	IEEE 802.11ac WFI (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
0532	AAD	IEEE 802.11ac WIFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	
0533	AAD.	IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN		±9.6
0534	AAD	IEEE 802.11ac WFI (20 MHz, MCS8, Bept duty cycle)		8.38	:19.6
0535	AAD		WLAN	8.45	±9.6
	AAD	IEEE 802.11ac WFI (40 MHz, MOS1, 99pc duty cycle)	WLAN	8.45	±9.6
0536	and the second second	IEEE 802.11ac WFI (40 MHz, MCS2, 99pc duty cycle)	WEAN	8.32	±9,6
0537	AAD	IEEE 802.11ab WIFI (40 MHz, MCS3, 98pc duty cycle)	WLAN	8,44	±9.6
0538	AAD	IEEE 802.11ac WIFI (40 MHz, MCS4, 99pc duty cycle)	WEAN	8.54	(土田).6
0540	AAD	IEEE 802.11ac WiFi (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

Certificate No: EX-7370_Aug24

Page 15 of 22



August 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 3
10541	AAD	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	19.6
10542	AAD	IEEE 802 11ac WIFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAD	IEEE 802.11ac WIFI (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAD	IEEE 802.11ac WIFI (80 MHz, MCS0, 99pc duty cycle)	WLAN	8,47	±9.6
10545	AAD	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAD	IEEE 802.11ac WIFI (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	19.6
10547	AAD	IEEE 802.11ac WIFI (80 MHz, MCS3, 99pc duty cycle)	WLAN	B.49	±9.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAD.	IEEE 802,11ac WIFI (80 MHz, MCS6, 98pc duty cycle)	WLAN	8.38	±9.6
10551	AAD.	IEEE 802.11ac WIFI (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 98pc duty cycle)	WLAN	8,42	±9.6
10553	AAD	IEEE 802.11ac WIFI (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9,6
10554	AAE	IEEE 802.11ac WIFI (160 MHz, MCS0, 98pc duty cycle)	WLAN	8.48	±9.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8,47	±9.6
10556	AAE	IEEE 802.11ac WIFI (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAE	IEEE 802.11ac WFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAE	IEEE 802.11ac WIFI (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WFI (160 MHz, MCS7, 99pc duty cycle)	WEAN	8.56	±9.6
10562	AAE	IEEE 802.11ac WFI (160 MHz, MCS8, 89pc duty cycle) IEEE 802.11ac WFI (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.69	±9.6
10564	AAA	IEEE 802.11g WiFI (160 MHz, MC68, Mpc duty cycle) IEEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
10565	AAA	IEEE 802.11g WF12.4 GHz (DSSS-OFDM, 5 Mobs, 59pc duty cycle)	WLAN	8.45	±9.6 ±9.6
10566	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mopt, 99pc duty cycle)	WLAN	8.13	19.6
10587	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mops, 99pc duty cycle)	WLAN	8.00	19.6
10568	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	19.6
10569	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9,6
10575	AAA.	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	DAA	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.90	±9.6
10585	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	B.49	±9.6
10568	AAD	IEEE 802.11a/h WF/ 5 GHz (OFOM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10589	AAD	IEEE 802.11a/h WFI 5 GHz (OFOM, 36 Mbps, 90pc duty cycle) IEEE 802.11a/h WFI 5 GHz (OFOM, 48 Mbps, 90pc duty cycle)	WEAN	8.76	+9.6
10590	AAD	IEEE 802 11ah WFI 5 GHz (OFDM, 46 Mbps, 90pc duty cycle)	WLAN WLAN	8.35	±9.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.67	±9.6
10592	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 80pc duty cycle)	WLAN	8.63	±9.6
10593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 80pc duty cycle)	WLAN	8.79	±9.6 ±9.6
10594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.0 ±9.6
10.595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	E.74	±9.6
10596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.74	19.6
10.597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	+9.6
10598	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	19.6
10.599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8,79	±9.6
0600	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	+9.6
10601	AAD.	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	19.6
10602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	AAD	IEEE 802.11n (HT Mixed, 46 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCSS, 90pc duty cycle)	WLAN	8.76	±9.6
10605	AAD.	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10606	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10607	AAD	IEEE 802.11ac WIFI (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9,6
10608	DAA	IEEE 802.11ac WIFI (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

Certificate No: EX-7370_Aug24

Page 16 of 22





August 22, 2024

UID	Rev	Communication System Name	Group	PAR (dB)	Und ^E k =
10609	AAD	IEEE 802.11ac WIFI (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
0610	AAD	IEEE 802.11ac WIFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
0611	AAD	IEEE 802.11ac WIFI (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	19.6
0612	AAD	IEEE 802.11ac WFI (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0613	AAD	IEEE 802.11ac WFI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.94	+9.6
0614	AAD	IEEE 802,11ec WIFI (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	19.6
0615	AAD	IEEE 802.11 ac WFI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
0618	AAD	IEEE 802.11ac WFI (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
0617	AAD	IEEE 802.11ac WFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	19.6
0618	AAD	IEEE 802,11ac WFI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
	AAD	and the second se	WLAN	8.88	19.6
0619	AAD	IEEE 802.11ac WFI (40 MHz, MCS3, 90pc duty cycle)	WEAN	8.87	±9.6
0620	AAD	IEEE 802.11ac WIFI (40 MHz, MCS4, 90pc duty cycle) IEEE 802.11ac WIFI (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0621	and the second se	and the second se	WLAN	8.68	10.0
0622	AAD	IEEE 802.11ac WIFI (40 MHz, MCS6, 90pc duty cycle)	the local data was a second		
0623	AAD	IEEE 802.11ac WIFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
0624	AAD	IEEE 802.11ac WIFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
0625	AAD	IEEE 802.11ac WIFI (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
0.626	AAD	IEEE 802.11ac WIFI (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
0.627	AAD	IEEE 802.11ac WIFI (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
0.628	AAD	IEEE 802.11ac WIFI (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	19.6
0629	AAD	IEEE 802.11ac WIFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
0630	AAD	IEEE 802.11ac WIFI (80 MHz, MCS4, 90pc duty cycle)	WLAN.	8.72	±9.6
0631	AAD	IEEE 802 11ac WIFI (80 MHz, MCSS, 90pc duty cycle)	WLAN	8.81	19.6
0632	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.0
0633	AAD	IEEE 802.11ac WiFi (80 MHz, MC57, 90pc duty cycle)	WLAN	8.83	±9.6
0634	AAD	IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9:6
0635	AAD	IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
0636	AAE	IEEE 802.11ac WIFI (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
0637	AAE	IEEE 802 11ac WIFI (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
0638	AAE	IEEE 802 11ac WIFI (160 MHz, MCS2, 90oc duty cycle)	WLAN	8.86	±9.6
0639	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	19.6
0640	AAE	IEEE 802 11ac WIFI (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	
0640	AAE			and the second se	±9.6
		IEEE 802.11ac WIFI (160 MHz, MCSS, 90pc duty cycle)	WLAN	9.06	±9.6
0642	AAE	IEEE 802 11ac WIFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.8
0643	AAE	IEEE 802.11ac WIFI (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
0644	AAE	IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
0.645	AAE	IEEE 802.11ac WIFI (160 MHz, MCS9, 90pc duty cycle)	WLAN	9,11	±9.6
0.646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UI, Subframe=2,7)	LTE-TDD	11.96	±9.5
0647	AAG	LTE-TDD (SC-FDMA, 1 R8, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TOD	11.96	±9.6
0.648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
0.652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	±9.6
0.653	AAF	LTE-TDD (OFDMA, 10MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	19.6
0654	AAE	LTE-TDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-TDO	6.96	±9.6
0.855	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDO	7.21	±9.6
0658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
0659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
0660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	19.6
0661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	19.6
0662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
0.670	AAA	Bluetooth Low Energy	Bluetpoth	2.19	19.6
0671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	
0672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	the second se	±9.6
0673	AAC	IEEE 802.11ax (20 MHz. MCS2, 90pc duty cycle)		-8.67	±9.6
0674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN.	8.78	19.6
0675	AAC		WLAN	8.74	±9.6
	1.1.2	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
0676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
0678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8,78	#8.6
0,679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
0680	AAC	IEEE 802 11ex (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
0.661	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
0682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
0683	AAG	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
0684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.0
0685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
0686	AAC.	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6

Certificate No: EX-7370_Aug24

Page 17 of 22