

Engineering A leughausstrasse 4	3, 8004 Zur		Handad Contraction	Servizio svizzero di taratura Swiss Calibration Service
he Swiss Accred	iltation Ser	ditation Service (SAS) rvice is one of the signat te recognition of calibrat	tories to the EA	Accreditation No.: SCS 0108
Client HCT Gyeor		epublic of Korea	Certificate No.	EX-7622_Nov23
CALIBRAT	TION C	ERTIFICATE	2 ***	+ thi
			All 19 - 11	2 /
Object		EX3DV4 - SN:7	7622 9 A 2423, 42	1 = 19 (J / 1/2/2) .18 2023/11.13
Calibration proces	dure(s)	QA CAL-25.v8), QA CAL-12.v10, QA CAL-14.v7 cedure for dosimetric E-field probe	
Calibration date		November 24, 2	2023	
All calibrations ha	its and the L Ive been co	incertainties with confident nducted in the closed labor	national standards, which realize the physic ce probability are given on the following page ratory facility: environment temperature (22 ± m)	ts and are part of the certificate.
The measuremen All calibrations ha Calibration Equip	its and the L ive been co ment used (incertainties with confident nducted in the closed labor M&TE critical for calibratio	ce probability are given on the following page ratory facility: environment temperature (22± n)	ts and are part of the certificate.
All celibrations ha Celibration Equip Primary Standards	its and the L ive been col ment used (8	Incertainties with contident nducted in the closed labor M&TE critical for calibratio	ce probability are given on the following page ratory facility: environment temperature (22 ± in) Cal Date (Certificate No.)	es and are part of the certificate. 3)*C and humidity < 70%. Scheduled Calibration
All calibrations ha Calibration Equips Primary Standards Power meter NRP	its and the L ive been col ment used (8 2	incertainties with confident nducted in the closed labor M&TE critical for calibratio	ce probability are given on the following page ratory facility: environment temperature (22 ± in) Cal Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805)	es and are part of the certificate. 3)*C and humidity < 70%. Scheduled Calibration Mar-24
All calibrations ha Calibration Equip Primary Standards Power meter NRP Power sensor NRF	e pegnite used (e pegn	Incertainties with contident nducted in the closed labor M&TE critical for calibratio	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
All celibrations ha Celibration Equip Primary Standards Power meter NRP Power sensor NRP DCP DAK-3.5 (we OCP DAK-12	its and the L we been comment used (8 2 P-Z91 lighted)	Incertainties with contident nducted in the closed labor M&TE ortical for calibratio ID SN: 104778 SN: 104778 SN: 103244 SN: 103244 SN: 1016	ce probability are given on the following page ratory facility: environment temperature (22 ± in) Cal Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805)	s and are part of the certificate. 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24) Oct-24
All calibrations ha Galibration Equipr Primary Standards Power meter NRP Power sensor NRP DOP DAK-3.5 (we OCP DAK-12 Reference 20 dB A	its and the L we been comment used (8 2 P-Z91 lighted)	Incertainties with confident nducted in the closed labor M&TE critical for calibratio ID SN: 104778 SN: 103244 SN: 103244 SN: 1249 SN: 1249 SN: 1016 SN: CC2552 (20x)	ce probability are given on the following page ratory facility: environment temperature (22 ± in) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK15-51249_Oct23) 05-Oct-23 (OCP-DAK15-1016_Oct23) 30-Mar-23 (No. 217-03809)	s 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
All calibrations ha Galibration Equipr Primary Standardi Power meter NRP Power sensor NRF DCP DAK-3.5 (we OCP DAK-12 Reference 20 dB A DAE4	e P-Z91 lighted) Attenuator	ID ID ID ID ID ID ID ISN: 104778 SN: 104778 SN: 104778 SN: 1044 SN: 1044 SN: 1046 SN: 1049 SN: 1046 SN: 22652 (20x) SN: 660	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 (OCP-DAK3.5-1249_Oct23) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 30-Mar-23 (No. 217-03809) 16-Mar-23 (No. DAE4-660_Mar23)	s 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 Mar-24
All calibrations ha Galibration Equipr Primary Standardi Power meter NRP Power sensor NRF DCP DAK-3.5 (we OCP DAK-12 Reference 20 dB A DAE4	e P-Z91 lighted) Attenuator	Incertainties with confident nducted in the closed labor M&TE critical for calibratio ID SN: 104778 SN: 103244 SN: 103244 SN: 1249 SN: 1249 SN: 1016 SN: CC2552 (20x)	ce probability are given on the following page ratory facility: environment temperature (22 ± in) Cel Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804) 05-Oct-23 (OCP-DAK15-51249_Oct23) 05-Oct-23 (OCP-DAK15-1016_Oct23) 30-Mar-23 (No. 217-03809)	s 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
All calibrations ha Galibration Equipr Primary Standards Power meter NRP Power sensor NRP DCP DAK-3.5 (we OCP DAK-12 Reference 20 dB A DAEA Reference Probe 8	e P-291 highted) Attenuator ES3DV2	ID ID ID ID ID ID ID ISN: 104778 SN: 104778 SN: 104778 SN: 1044 SN: 1044 SN: 1046 SN: 1049 SN: 1046 SN: 22652 (20x) SN: 660	ce probability are given on the following page ratory facility: environment temperature (22 ± m) Cal 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-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 Oct-24 Mar-24 Mar-24 Mar-24 Mar-24
All calibrations ha Galibration Equipr Primary Standards Power meter NRP Power sensor NRF DOP DAK-3.5 (we OCP DAK-3.5 (we OCP DAK-12 Reference 20 dB A DAE4 Reference Probe E Secondary Standa Power meter E441	e e 2 P-Z91 Ighted) Attenuator ESSIDV2 ards 98	Incertainties with confident nducted in the closed labor M&TE critical for calibratio SN: 104778 SN: 104778 SN: 103244 SN: 103244 SN: 1016 SN: C25652 (20x) SN: 500 SN: 3013	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 (OCP-DAK3.5-1249_Oct23) 05-Oct-23 (OCP-DAK3.5-1249_Oct23) 30-Mar-23 (No. 217-03809) 16-Mar-23 (No. DAE4-660_Mar23)	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 Scheduled Check
All calibrations ha Galibration Equipr Primary Standardi Power meter NRP Power sensor NRF DCP DAK-3.5 (we OCP DAK-3.5 (we OCP DAK-12 Reference 20 dB / DAE4 Reference Probe 5 Secondary Standa Power meter E441 Power sensor E44	es and the L we been comment used (es 2 P-Z91 lighted) Attenuator ES3DV2 ards 98 12A	Incertainties with confident nducted in the closed labor M&TE critical for calibratio SN: 104778 SN: 104778 SN: 10244 SN: 10244 SN: 1016 SN: 1016 SN: 660 SN: 660 SN: 3013 ID SN: 6841293874 SN: MY41496087	ce probability are given on the following page ratory facility: environment temperature (22 ± m) Cal 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) 30-Mar-23 (No. 217-03809) 16-Mar-23 (No. 217-03809) 16-Mar-23 (No. ES3-3013_Jan23) O6-Jan-23 (No. ES3-3013_Jan23) O6-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 Mar-24
All calibrations ha Calibration Equipr Primary Standards Power meter NRP Power sensor NRP DCP DAK-3.5 (we OCP DAK-12 Reference 20 dB / DAE4 Reference Probe E Secondary Standa Power meter E441 Power sensor E44 Power sensor E44	e e e e e e e e e e e e e e e e e e e	Incertainties with confident nducted in the closed labor M&TE critical for calibratio SN: 104778 SN: 104778 SN: 103244 SN: 1016 SN: 10244 SN: 1016 SN: C2552 (20x) SN: 3013 ID SN: GB41293874 SN: GB41293874 SN: GB41293874 SN: 000110210	ce probability are given on the following page ratory facility: environment temperature (22 ± m) Cal Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804/03805) 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. ES3-3013_Jan23) 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 Oct-24 Mar-24 Mar-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24
All calibrations ha Galibration Equipr Primary Standards Power meter NRP Power meter NRP DCP DAK-3.5 (we OCP DAK-12 Reference 20 dB A DAEA Reference Probe E Secondary Standa Power meter E441 Power sensor E44 RF generator HP 8	e e e e e e e e e e e e e e e e e e e	Incertainties with confident nducted in the closed labor M&TE critical for calibratio SN: 104778 SN: 104778 SN: 103244 SN: 1016 SN: 10244 SN: 1016 SN: C2552 (20x) SN: 680 SN: 3013 ID SN: GB41293874 SN: GB41293874 SN: MY41496087 SN: WY41496087 SN: US3642U01700	ce probability are given on the following page ratory facility: environment temperature (22 ± m) Cal 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) 30-Mar-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) 04-Aug-89 (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 In house check: Jun-24 In house check: Jun-24
All calibrations ha Galibration Equipr Primary Standards Power meter NRP Power meter NRP DCP DAK-3.5 (we OCP DAK-12 Reference 20 dB A DAEA Reference Probe E Secondary Standa Power meter E441 Power sensor E44 RF generator HP 8	e e e e e e e e e e e e e e e e e e e	Incertainties with confident nducted in the closed labor M&TE critical for calibratio SN: 104778 SN: 104778 SN: 103244 SN: 1016 SN: 10244 SN: 1016 SN: C2552 (20x) SN: 3013 ID SN: GB41293874 SN: GB41293874 SN: GB41293874 SN: 000110210	ce probability are given on the following page ratory facility: environment temperature (22 ± m) Cal Date (Certificate No.) 30-Mar-23 (No. 217-03804/03805) 30-Mar-23 (No. 217-03804/03805) 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. ES3-3013_Jan23) 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 Oct-24 Mar-24 Mar-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24
All calibrations ha Calibration Equipr Primary Standards Power meter NRP Power sensor NRP DCP DAK-3.5 (we OCP DAK-12 Reference 20 dB A DAEA Reference Probe E Secondary Standa Power meter E441 Power sensor E44 RF generator HP 8	e e e e e e e e e e e e e e e e e e e	Incertainties with confident nducted in the closed labor M&TE critical for calibratio SN: 104778 SN: 104778 SN: 103244 SN: 1016 SN: 10244 SN: 1016 SN: C2552 (20x) SN: 680 SN: 3013 ID SN: GB41293874 SN: GB41293874 SN: MY41496087 SN: WY41496087 SN: US3642U01700	ce probability are given on the following page ratory facility: environment temperature (22 ± m) Cal 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) 30-Mar-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) 04-Aug-89 (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 In house check: Jun-24 In house check: Jun-24
All calibrations ha Calibration Equipr Primary Standards Power meter NRP Power sensor NRF OCP DAK-3.5 (we OCP DAK-3.5 (we OCP DAK-12 Reference 20 dB / DAE/ Reference 20 dB / DAE/ Reference Probe E Secondary Standa Power sensor E44 Rower meter E441 Power sensor E44 RF generator HP B Notwork Analyzer	e e e e e e e e e e e e e e e e e e e	Incertainties with confident nducted in the closed labor M&TE critical for calibratio SN: 104778 SN: 104778 SN: 10244 SN: 10244 SN: 10244 SN: 102652 (20x) SN: 660 SN: 20252 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41496087 SN: 000110210 SN: US342001700 SN: US41080477	ce probability are given on the following page ratory facility: environment temperature (22 ± m) 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-DAK3.5-1249_Oct23) 30-Mar-23 (No. 217-03809) 16-Mar-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-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-39 (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 Oct-24 Oct-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24
All calibrations ha Calibration Equipr Primary Standards Power meter NRP Power sensor NRF DCP DAK-3.5 (we OCP DAK-12 Reference 20 dB / DAE4 Reference 20 dB / DAE4 Reference Probe E Secondary Standa Power sensor E44 Power sensor E44 RF generator HP B Network Analyzer I Calibrated by	e e e e e e e e e e e e e e e e e e e	Incertainties with confident nducted in the closed labor M&TE oritical for calibratio SN: 104778 SN: 103244 SN: 1048 SN: 1249 SN: 1249 SN: 1249 SN: 1249 SN: 1249 SN: 02552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41496087 SN: 000110210 SN: US3642001700 SN: US3642001700 SN: US41080477 Name	ce probability are given on the following page ratory facility: environment temperature (22 ± m) 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 (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) 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 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24
All calibrations ha Calibration Equipr Primary Standards Power meter NRP Power sensor NRF DCP DAK-3.5 (we OCP DAK-3.5 (we OCP DAK-12 Reference 20 dB / DAE4 Reference 20 dB / DAE4 Reference Probe I Secondary Standa Power meter E441 Power sensor E44 RF generator HP 8 Notwork Analyzer Calibrated by Approved by	e e e e e e e e e e e e e e e e e e e	Incertainties with confident nducted in the closed labor M&TE critical for calibratio SN: 104778 SN: 10244 SN: 10244 SN: 10244 SN: 1016 SN: 02562 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: 000110210 SN: US3642001700 SN: US3642001700 SN: US3642001700 SN: US3642001700 SN: US3642001700 SN: US3642001700 SN: US3642001700	ce probability are given on the following page ratory facility: environment temperature (22 ± m) Cal 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) 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) 04-Aug-99 (in house check Jun-22) 31-Mar-14 (in house check Oct-22) Function Laboratory Technician	es and are part of the certificate. 3) °C and humidity < 70%. Scheduled Calibration Mar-24 Mar-24 Mar-24 Oct-24 Oct-24 Oct-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 Signature Signature

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



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





S

C

S

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

Accredited by the Sales Accreditation Service (SAS) Accreditation No.: SCS 0108
The Sales Accreditation Service is one of the signatories to the EA
Multilateral Agreement for the recognition of calibration certificates

Glossary

tissue simulating liquid sensitivity in free space sensitivity in TSL / NORMx,y,z
diode compression point
crest factor (1/duty, cycle) of the RF signal
modulation dependent linearization parameters
w rotation around probe axis
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
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-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 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 / ≤ 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 * CorvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent CorvF 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 No:99

Dess Parton



November 24, 2023

Parameters of Probe: EX3DV4 - SN:7622

Basic Calibration Parameters

	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				
		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%	±9.6%		
		Y	0.81	60.00	5.14	100024	80.0	E3560333	1.11255		
_		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%	±9.6%		
	the second second	Y	0.05	124.26	0.23	0.03225	95.0 95.0	-0.070	0.000		
		Z	0.53	60.00	4.18	i					
10355	Pulse Waveform (200Hz, 60%)	X	10.29	156.83	3.22	2.22	120.0	+0.7%	±0.7%	±0.7%	±9.6%
		Y	8.08	158.75	28.21		120.0	TO-1 10		10.0011001	
		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		
man		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				
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		150.0	-1757/0/SEC	11.00.00		
		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		and an		
		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	-march 20	24.9 /		
		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). E Livearization 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: FX-7622 Nov23

Denn S. of DR



November 24, 2023

Parameters of Probe: EX3DV4 - SN:7622

Sensor Model Parameters

	C1 fF	C2 fF	v-1	T1 msV ⁻²	T2 ms V ⁻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
У	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 Aree 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 ConvF 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 ConvF 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 fissue simulating faulois (TSL) that deviate for *e* and *c* by less than ±5% from the target values (hplically better than ±3%) and are valid for 75L 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 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

HALL MILLEN



November 24, 2023

Parameters of Probe: EX3DV4 - SN:7622

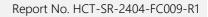
Calibration Parameter Determined in Head Tissue Simulating Media

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%

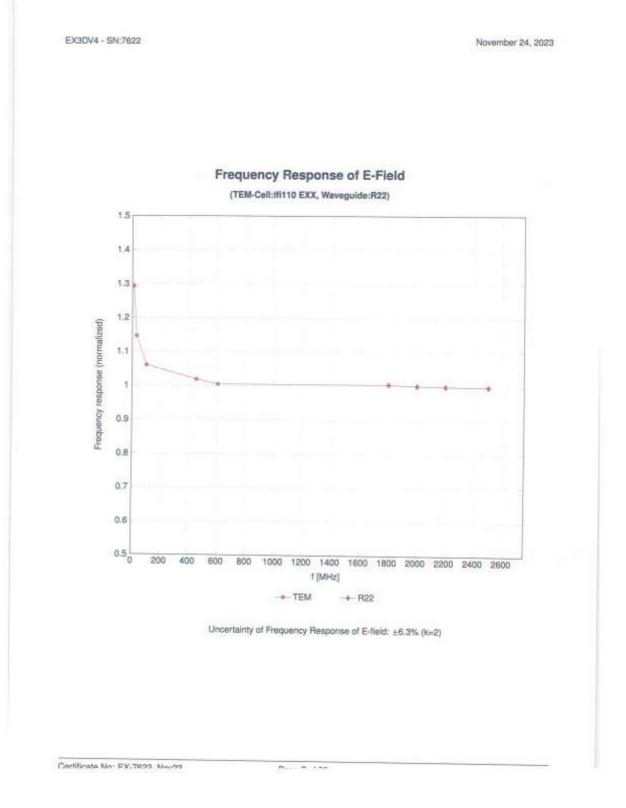
C Frequency validity at 6.5 GHz is -600/+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration troquency and the uncertainty for the indicated frequency band.
^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and 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 Appha/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 3-6 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.7822 Nov23

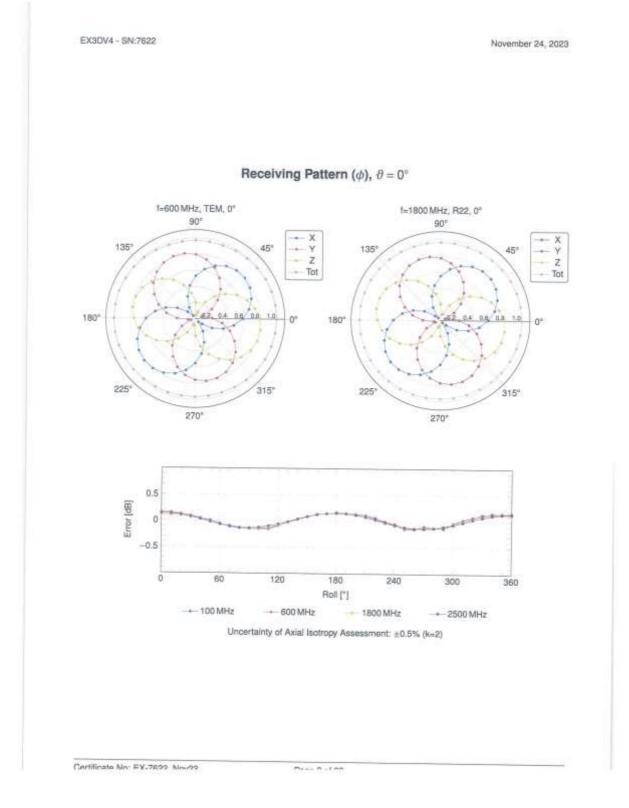






The report shall not be (partly) reproduced except in full without approval of the laboratory.



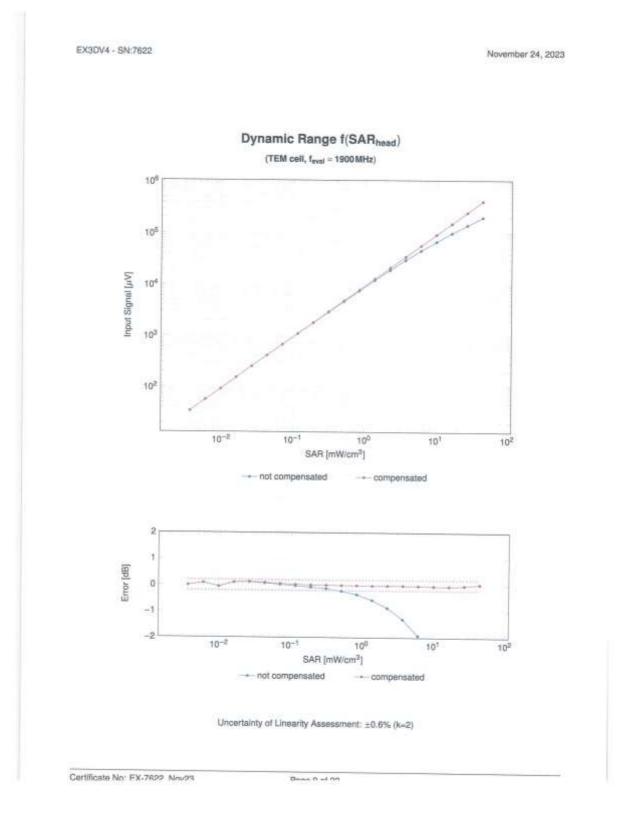


F-TP22-03 (Rev. 06)

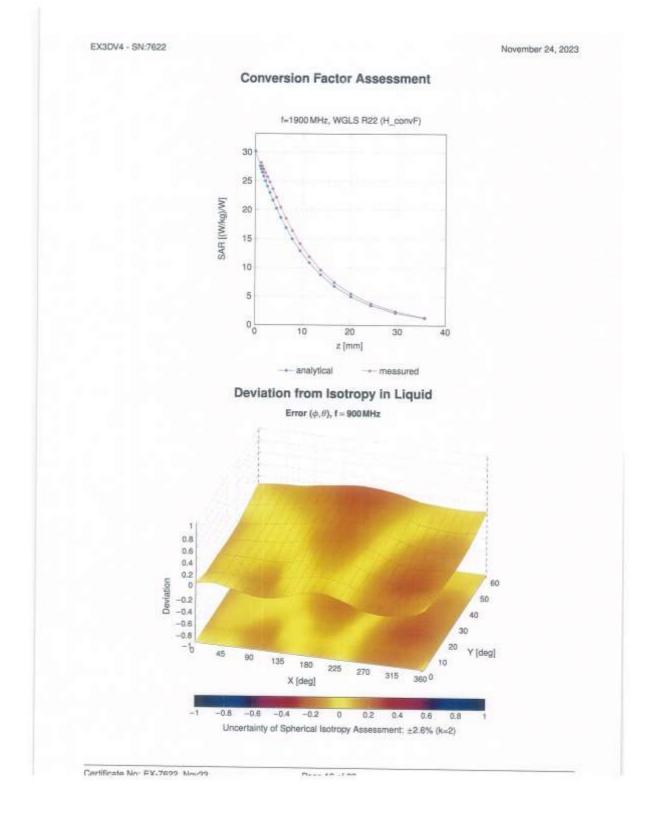
Page 107 of 225

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









F-TP22-03 (Rev. 06)



November 24, 2023

Appendix: Modulation Calibration Parameters

alu	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
Û		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)	WCEMA	2.91	±9.6
10012	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	+9.6
10.021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	19-6
10023	DAC	GPRS-FDD (TOMA, GMSK, TN 0)	GSM	9.57	and the second second
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	the second se	±9,6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)		6.56	±9.6
10026	DAC	EDGE-FDD (TOMA, 8PSK, TN Q-1)	GSM	12.62	±9.6
10027	DAC	GPRS-FDD (TOMA, GMSK, TN 0-1-2)	GSM	8.55	±9.6
10028	DAC		GSM	4.80	3.9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3,55	±9.6
and particular		EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	29.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	19.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.8
10033	CAA	IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH1)	Bluetcath	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH3)	Bluetooth	4.53	19.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DOPSK, DH5)	Bluetooth	3.83	19.6
10036	CAA	IEEE 802.15.1 Bluelooth (8-DPSK, DH1)	Buetpath	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	and and the second states of t		and the second se
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
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	CDMA2000	4.57	±9,5
10044	CAA	10-D4/EVA/TUA SED FORD (FDALA, FD4)	AMPS	7.78	±9.6
10048	CAA	IS-91/EIA/TIA-863 FDO (FDMA, FM)	AMPS	0.00	±9.8
10048		DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.8
	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10055	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.8
10058	DAG	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059.	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
0.0652	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	29.6
0063	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	+9.6
0064	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	
0.065	CAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 18 Mbps)			±9.6
0066	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.00	£9.6
0067	CAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 38 Mbps)		9.38	£9.6
0068	GAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.12	±9.8
0069	CAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.24	±9.6
0071	CAB		WLAN	10.56	19.6
0072	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 8 Mbps)	WLAN	8.83	19.6
	and all should be	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	\$3.9	±9.6
0073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mops)	WLAN	9,94	±9.6
0074	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN.	10.30	2.9.8
0075	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
0076	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 Mbps)	WLAN	11.00	±9.6
0.081	CAB	CDMA2000 (1xRTT, RC3)	COMA2000	3.97	+9.6
0082	CAB	IS-64 / IS-136 FDD (TDMA/FDM, PI/4-DOPSK, Fullrate)	AMPS	4.77	±9.6
0000	DAC	GPRS FDD (TDMA, GMSK, TN 0-4)	GSM		and the second se
0.097	CAC	UMTS-FDD (HSOPA)	WCDMA	0.56	±9.6
0098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
8000	DAC	EOGE-FOD (TDMA, 8PSK, TN 0-4)		3,98	±9.6
0100	CAF	LTE-FDD (SC-FDMA, 100% HE, 20MH/, QPSK)	GSM	9.55	2.6≴
0101	CAF	LTE FDD (SC-FDMA, 100% RB, 20MHz, 16-QAM)	LTE-FOD	5.67	±9.6
	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FOD	6.42	±9.6
			LTE-FDD	03.6	±9.6
and some of the		LTE-TOD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TOD	9.29	3.9,8
construction of the	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TOD	9.97	±9.6
and the second second	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TOD	10.01	±9.6
inclusion of the 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% RB, 10 MHz, 16-QAM)	LTE-FOD	6,43	±0.6
and a local data	CAH	LTE FDD (SC-FDMA, 100% R8, 5 MHz, QPSK)	LTE-FDD	5.75	
0111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD		±9.6
	_		LIC-PUU	6.44	±9.6

Certificate No: EX-7699 Nov99

Deen 14 at no.

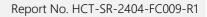


November 24, 2023

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-FDD	6.62	±9.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	19.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	19.5
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	10.0
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mtos, BPSK)	WLAN	the second se	
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 18-QAM)	WLAN	8.07	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	10.250.0		±9.6
10140	CAF	LTE #DD (SC-FDMA, 100% R8, 15 MHz, 16-QAM)	WLAN	B.13	±9.8
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE FDD	6.49	±9,6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-FDD	6,53	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-FOD	5.73	#9.6
10144	CAF	LTE-FOD (SC-FOMA, 100% RB, 3MHz, 64-QAM)	LTE-FOO	6.35	±9.6
10145	CAG	LTE-FOD (SC-FOMA, 100% RB, 1.4 MHz, QPSK)	LTE-FOD	5.65	±9.6
10146	CAG		LTE-FDD	5,76	19.6
10140	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 18-QAM)	LTE-FDD	8.41	19.6
and the second statement		LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	8.72	±9.6
10149	CAF	LTE-FDD (SC FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	8.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±8.6
10151	CAH	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±0.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB. 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 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
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10:157	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	±8.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% R8, 15 MHz, 16-QAM)	LTE-FDD	6.43	29.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	
10166	CAG	LTE-FDD (SC-FDMA, 50% AB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FCD (SC-FDMA, 50% RB, 1.4 MHz, 18-QAM)	LTE-FDD		±9.6
10168	CAG	LTE-FOD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.21	19.6
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)		5.73	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-FDD	6.52	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, OPSK)	LTE-FDD	6.49	±9.6
10173	CAH	LTE-TOD (SC-FDMA, 1 RB, 20MHz, 18-QAM)	LTE-TDD	9.21	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-TDD	9.48	±9.6
10175	CAH	LTE-FDD (SC-FDWA, 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-FDD (SC-FDMA, 1 HB, 5MHz, QPSK)	LTE-FDD	8.52	±9.6
10178	CAH	LTE-FDD (SC-FOMA, 1 RB, 5MHz, 16-QAM)	LTE-FDD	5.73	±9.0
0178	CAH		LTE-FDD	6.52	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0181	CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0182	CAF	LTE-FDD (SC-FDMA, 1 R8, 15 MHz, QPSK)	LTE-FDD	5.72	±9.8
0.182	and so it is not set of the	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 18-QAM)	LTE-FDD	0.52	±9.6
	AAE	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 84-QAM)	LTE-FDD	8.50	±9.6
0184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, QPSK)	LTE-FDD	5.73	±9.8
0185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-FOD	5.51	±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, QPSK)	LTE-FDD	5.73	±9.6
0188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1,4 MHz, 15-QAM)	LTE-FDD	6.52	19.6
a descent of the second se	AAG	LTE-FDD (SC-FDMA, 1 R8, 1,4 MHz, 64-QAM)	LTE-FBD	6.50	±9.6
0193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
and the second se	CAD	IEEE 802.11n (HT Greenfield, 39 Mops, 16-QAM)	WLAN	8.12	±9.6
	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.0
the second s	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8:10	±9.6
	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	
0198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN		±9.6
	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.27	±8.6
0220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	20175-000	8.03	±8.6
and the second		IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.13	±9.6
COLUMN TWO IS NOT	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8,27	±9.6
		IEEE 802.11n (HT Mixed, 90 Mbps, 15-QAM)	WLAN	8.06	±9.6
a had no in such that	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.48	±9.6
- mm + -		and and the felt model, tak maps, \$4-GAW)	WLAN	8.08	±9.6

Certificate Nov EX-7622 New29

Reas to stop





November 24, 2023

UID	Bev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-DAM)	LTE-TDO	9.49	19.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	19.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK)	LTE-TDD	9.22	19.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	
10.230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-GAM)	LTE-TDD	10.25	±9.6 ±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TOD	9.19	
10.232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-TOD	9,48	:: 9.6
10233	CAH	LTE-TOD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-TOD		±9.6
10234	CAH	LTE-TOD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-TOO	10.25	±9.6
10235	CAH	LTE-TOD (SC-FDMA, 1 RB, I0MHz, 16-QAM)		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)	and and all all all all all all all all all al		19.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	9.21	19.6
10239	CAG	LTE-TDD (SC-FDMA, 1 R8, 15 MHz, 64-QAM)	and an interest of the second s	9.48	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, CPSK)	LTE-TDD	10.25	±0.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.21	::9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.82	#9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% R8, 1.4 MHz, QPSK)	LTE-TOD	9.96	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 16-QAM)	LTE-TOD	9.46	2B.6
10245	CAE	LTE-TDD (SC-FDMA, 50% R8, 3 MHz, 64-QAM)	LTE-TOD	10.05	5.9.5
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, G4-QAM)	LTE-TDD	10.09	±9.6
10247	CAH	LTE-TOD (SC-FOMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	B.30	±9.6
10248	CAH	LTE-TOD (SC-FOMA, 50% RB, 5 MHz, 18-GAM)	LTE-TOD	9.91	±9.8
10248	CAH		LTE-TDD	10.09	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDO	9.29	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDO	9.81	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10.17	±9.6
10253	CAG	LTE-TOO (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	±9.6
10254	CAG	LTE-TOD (SC-FDMA, 50% HB, 15MHz, 16-QAM)	LTE-TOD	9.90	±9.6
10255	CAG	LTE-TD0 (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE TOD	10.14	±9.6
10,255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
10257	Contraction of the local division of the loc	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
and the second s	CAE	LTE-TOD (SC-FDMA, 100% R8, 3 MHz, 16-QAM)	LTE-TOD	9.98	±9.6
10260	CAE	LTE-TOD (SC-FOMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	0.97	±9.6.
10261	CAH	LTE-TOD (SC-FOMA, 100% RB, 3MHz, QPSK)	LTE-TDD	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 15-QAM)	LTE-TDD	9.83	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-TOD	10.16	±9.6
0.265	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.83	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9,92	±9,8
10267		LTE-TDD (SC-FDMA, 100% R8, 10 MHz, 64 QAM)	LTE-TDD	10.07	±9.6
increded interaction	CAH	LTE-TDD (SC-FDMA, 100% R8, 10 MHz, QPSK)	LTE-TDD	9.30	29.6
10268	CAG	LTE-TOD (SC-FOMA, 100% RB, 15 MHz, 18-QAM)	LTE-TDD	10.06	£9.6
and the state of t	CAG	LTE-TOD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDO	10.13	±9.8
10270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subleal 5, 3GPP Rel8.10)	WCDMA	4.87	±9.6
0275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
0277	CAA	PHS (QPSK)	PHS	11.81	±9.6
0278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
0.279	CAA	PHS (QPSK, BW 884 MHz, Rollott 0.38)	PHS	12.18	±9.6
and the second se	AAB	CDMA2000, RC1, SQ55, Full Rate	CDMA2000	3.91	±9.8
abiate a state	AAB	CDMA2000, RC3, SQ55, Full Rate	CDMA2000	3.46	±9.8
and the second se	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10 C C C	AAB	CDMA2000, RC3, SC3, Full Rate	CDMA2000	3.50	±9.6
	AAB	CDMA2000; RC1, SO3, 1/8th Rate 25 fr.	COMA2000	12.49	±9.6
	AAE	LTE FOD (SC-FOMA, 50% RB, 20MHz, QPSK)	LTE-FDD	5.81	±9.6
A COLORADO AND A	AAE	LYE-FOD (SC-FOMA, 50% RB, 3MHz, QPSK)	LTE-FDD	5.72	19.6
and the state of the		LTE-FDD (SC-FDMA, 50% RB, 3MHz, 18-QAM)	LTE-FDD	6.39	±9.6
	AAE	LTE FDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-FDD	6.60	±9.6
		IEEE 802.16e WIMAX (29:18, 5 m), 10 MHz, QPSK, PUSC)	WIMAX	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
COLUMN TWO IS NOT		IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6
	AAA	IEEE 802.16e WIMAX (28:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6
	AAA .	IEEE 802.16e WMAX (21:15, 10ms, 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

Cartificate No: EX-7899 Nm/99

Pass 40...t in



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 1:6	IDEN	13.48	19.6
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, 6 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	10.0
10354	AAA	Pulse Waveform (200Hz, 40%)	Ganaria	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	19.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	19.6
10387	AAA	OPSK Waysform, 1 MHz	Generic	5.10	
10388	AAA	GPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-DAM Waveform, 100 kHz	Generic		+9.5
10399	AAA	64-QAM Waveform, 40 MHz	an international data and the firmer	6.27	±9.6
10400	AAE	IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle)	Generic	8.27	±9.6
10401	AAE	IEEE 802.11ac WIFI (40 MHz, 64-QAM, 95pc duty cycle)	WLAN	8.37	±9.6
10402	AAE	IEEE 802.11ac WIFI (80 MHz, 64-QAM, 95pc duty cycle)	WLAN	8.60	±9.8
10403	AAB	COMA2000 (1xEV-DO, Rey, 0)	WLAN	8.53	±9.6
10404	AAB	COMA2800 (1xEV-DO, Rey, A)	CDMA2000	3.76	±9.6
10408	AAB	COMA2000, RC3, SO32, SCH0, Full Rate	CEMA2000	3.77	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 R6, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Confe4)	CDMA2000	5.22	±9.6
10414	AAA	WLAN CCDF, 54-QAM, 40 MHz	LTE-TOD	7.82	19.6
10415	AAA		Generic	8.54	±9.6
10416	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.8
10417	AAC	IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 98pc duty cycle)	WLAN	8.23	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10422	AAC	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short praambole)	WLAN	8.19	±9.6
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	B.65
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-GAM)	WEAN	8,47	走9.B
10425	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	8.61
and a data data data data data data data	AAC	IEEE 802.11n (HT Greenfield, 16 Mbps, 8PSK)	WLAN	8.41	±9.5
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps. 16-QAM)	WLAN	8.45	19.6
10430	AAE	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.8
10431	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	19.6
	AAD	LTE-FOD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	and the second s	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	CAA	LTE-FDD (OFDMA, 20MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
0435	AAG	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	7.82	+9.6
10447	AAE	LTE-FOD (OFDMA, 6 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FOD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10448	AAD	LTE-FDD (OFOMA, 15 MHz, E-TM 3.1, Cliping 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
0.453	AAE	Validation (Square, 10/ms, 1 ms)	Test	10.00	±9.6
0.456	AAC	IEEE 802.11ac W/Fi (160 MHz, 84-QAM, 99pc duty cycle)	WLAN .	8.83	±9.6
0457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	+9.6
0458	Ада,	CDMA2000 (1xEV-DC), Rev. B, 2 carriers)	CDMA2000	6.55	±9.8
0459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 cartiers)	CDMA2000	8.25	±9.6
0460	AAB	UMTS-FOD (WCDMA, AMR)	WCDMA	2.39	19.6
0461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOO	7.82	19.6
0462	AAC	LTE-TOD (SC-FOMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2.3,4,7,8.9)	LTE-TDD	8.30	19.6
0463	AAG	LTE-TDD (SC-FDMA, 1 RB. 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.56	19.6
0464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2.3.4,7.8.5)	LTE-TOD	7.82	±9.6
0.465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-OAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	19.6
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	the second s
0.467	AAG	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TDD	7.82	10.6
0.468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±0.6
0.469	AAG	LTE-TOD (SC-FDMA, 1 R8, 5 MHz, 64-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TOD	the second se	±9.6
0470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, OPSK, UL Subframe=2.3.4,7.8.9)	LTE-TDD	8.55	±9.6
0471	AAG	TTE TOP ICO COMAS A DO VALUE VO CAMA UN O VI	the same test strength at a second strength at the second strength a	7.82	±9.6
- and the second se		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LTE-TDO	8.32	±9.6

Certificate No: EX-7622 Nov23

Done 14 of 99



November 24, 2023

UID	Bev	Communication System Name	Group	PAR (dB)	Unc ^E k ~
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 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 Subtrame=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-TDO	8.32	±9.8
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	19.6
10.477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16 QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10.478	AAG	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAG	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2.3.4.7,8,9)	LTE-TDD	7.74	±9.6
10.480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8.9)	LTE-TDD	0.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2.3,4,7.8.9)	LTE-TDD	8.45	±9.6
10.482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	7.71	19.6
10.483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16 QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64 GAM, UL, Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.8
10485	AAG	LTE-TDD (SC-FDMA, 50% FB, 5 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.59	±9.8
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD		±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	and the second se	8.38	:9,6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TOD	8.60	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	7.70	8.61
10490	AAG	LTE-TOD (SC-FDMA, 50% R8, 10 MHz, 64-OAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.51	±9.6
10481	AAF		LTE-TOD	8.54	29.8
10492	AAF	LTE-TOD (SC-FDMA, 50% RB, 15MHz, OPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	7.74	19.8
10482	AAF	LTE-TOD (SC-FDMA, 50% RB, 15MHz, 16-CAM, UL Subhame-2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, CPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	7,74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-CAM, UL Subhame=2,3,4,7,8,9)	LTE-TOD	8.37	±0.0
10.497	ANC	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-GAM, UL Subframe+2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
	the second s	LTE-TDD (SC-FDMA, 100% PB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±8.6
10498	MC	LTE-TDD (SC-FDMA, 100% R8, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	B.40	出现. 段
10.499	AAC .	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, U. Subframe=2,3,4,7,8,9)	LTE-TDD	88.8	太野.6
10500	AAD	LTE-TDD (SC-FDMA, 100% R8, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	39.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL SubIname=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
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% R8, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.72	29.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UI, Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10.505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe+2,3,4,7,8,9)	LTE-TOD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	29.8
10507	AAG	LTE-TOD (SC-FDMA, 100% R8, 10MHz, 16-QAM, UL Subtrame=2,3,4,7,8;9)	LTE-TDO	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% HB, 10MHz, 84-QAM, UL Subitame=2,3,4,7,8,9)	LTE-TDO	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	L7E-TDD	8.49	±9.6
10511	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 Subitame=2.3,4,7,8,9)	LTE-TDD	7.74	+9.6
0513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-GAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	19.6
0514	AAG	LTE-TDD (SC-FDMA, 100% FIB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
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 (I02.11b 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)	WLAN	8.23	±9.0
0519	AAC	IEEE 802,11a/h WIFI 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
0520	AAC	IEEE 802.11 a/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, 99pc duty cycle)	WLAN	7.97	±9.6
0.522	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mops, 99pc duty cycle)	WLAN	8.45	±9.6
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, 99pc duty cycle)	WLAN	8.21	±9.6
0528	AAC	IEEE 802.11ac WFI (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
0629	AAC	IEEE 802.11ac WIFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
0531	AAC	IEEE 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.43	19.6
0532	AAC	IEEE 808.11ac WIFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	19.6
0533	AAC	IEEE 802.11ap WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	the second se
0534	AAC	IEEE 802.11ac WIFI (40 MHz, MCS0, 99cc duty cycle)	WLAN		±9.6
0535	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 98pc duty cycle)	WLAN	8.45	±9.6
0536	AAC	IEEE 602.11ac WIFI (40 MHz, MCS2, 99pc duty cycle)		8.45	19.6
0537	AAC	IEEE 802.11ac WIFI (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.32	±9.6
0.538	AAC	IEEE 802.11ac WIFI (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
the second s		IEEE 802.11ac WFI (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.54	±9,8
	1.01.100	the state of the s	WLAN	8.39	±9.6

Certificate No: EX-7692 New99

Dean IE at no

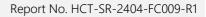


November 24, 2023

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	B.47	±9.6
10545	AAC	IEEE 802.11ac WIFI (60 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WIFI (80 MHz, MCS2, 98pc duty cycle)	WLAN	8.35	19.6
10547	AAC	IEEE 802.11ab WIFI (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	19.6
10548	AAC	IEEE 802.11ac WIFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	10.6
10550	AAC	IEEE 802.11ac WFI (80 MHz, MCS8, 99pc duty cycle)	WLAN	6.38	+9.6
10.551	AAC	IEEE 802,11ac 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
10553	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, 99pc duty cycle)	WLAN	8,47	29:6
10.556	AAD	IEEE 802.11ac WFI (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAD	IEEE 802.11ec 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	±9.6
10560	AAD	IEEE 802 11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	
10561	AAD	IEEE 802 11ac WFI (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAD	IEEE 802.11ac WIFI (160 MHz, MCS8, 99pc duty cycle)	and the second se		±9.0
10563	AAD	IEEE 802.11ac WFI (180 MHz, MCS8, 360 duty cycle)	WLAN	8,69	19.5
10564	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 9 Mops, 98pc duty cycle)	WLAN	8.77	±9.6
10565	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.25	19.6
10.568	AAA	IEEE 802.11g WH 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	19.6
10567	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 18 MDps, 99pc duty cycle)	WLAN	8.13	3,9,6
10.568	AAA		WLAN	8.00	±9.8
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±8.6
10570	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
10.571	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 84 Mbps, 96pc duty cycle)	WLAN	5.30	±9.6
10.572	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.89	±9,6
10.573	AAA	IEEE 802 11b WIFI 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10574	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mops, 90pc duty cycle)	WLAN	1.98	#9.6
10578	AAA	IEEE 802 11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	29.6
10577	AAA	IEEE 802 11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10578	AAA	IEEE 802 11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	19.8
10579	AAA	IEEE 802 11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mops, 90pc duty cycle)	WLAN	8.49	±9.6
10580	AAA	IEEE 802 11g WFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.8
10581	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	49.6
10582	AAA	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.0
10583	AAC	IEEE 802.11g WFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	主身。你
0584	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9,6
0.585	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.0
	and the second second	IEEE 802.11 wh WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	:±9.6
0.586	AAC	IEEE 802.11am WIFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
0.587	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.38	±9.6
0588	AAC.	IEEE 802.11a/h WIFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.75	1.9.6
0589	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.5
0590	AAC	IEEE 802.11a/h WHI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	19.6
0591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
0592	AAC.	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
0593	AAC	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	±9.8
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
1080	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
0602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±8.6
0803	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.63	10.6
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
0606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6 ±9.6
	A 8.44	IEEE 802.11ac WIFI (20 MHz, MCB0, 90pc duty cycle)	the second se	and the second se	and the second se
0.607	AAG.	rectal way, i real were (continue, webba), supplicitly ayong	WLAN	8.84	±9.8

Cartificate No: 57.7622 Nov22

Dame 410 .2 MM

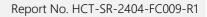




November 24, 2023

uip	Rev	Communication System Name	Group	PAR (dB)	Unc ^{ff} k =
10609	AAC	IEEE 802.11ac WFI (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAC	IEEE 802.11ac WFI (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAC	IEEE 802.11ac WIFI (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WIFI (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAC	IEEE 802.11ac WIFI (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10814	AAC	IEEE 802.11ac WIFI (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAC	IEEE 802.11 ac WIFI (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAC	IEEE 802 11ac WIFi (40 MHz, MCS0, 90pc duty cycle)	WLAN		and the second sec
10617	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.82	±9.6
10618	AAC	IEEE 802 11ac WIF) (40 MHz, MCS2, S0pc duty cycle)	WLAN	8.81	+9.6
10619	AAC	IEEE 802.11ac WIFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.96	±9,6
10620	AAC	IEEE 802.11ac WIFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
10621	AAC	IEEE 802.11ac WFI (40 MHz, MCB5, 90pc duty cycle)	WLAN	8.87	±9.6
10622	AAC	IEEE 802.11ac WFI (40 MHz, MC88, 90pc duty cycle)	WLAN	and the second se	±9.6
10623	AAC	IEEE 802.11ac WFI (40 MHz, MC57, 90pc duty cycle)		8,68	29.6
10624	AAC	IEEE 802.11ac WFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9,6
10625	AAC	IEEE 802.11ac WFI (40 MHz, WCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAC	IEEE 802 11ac WFI (80 MHz, MCS0, 90pc duty cycle)	WLAN	8,96	±9.6
10627	AAC	IEEE 802 11ac WFI (80 MHz, WCSU, 90pc duty cycle)	WLAN	8.83	±9.6
10628	AAC		WLAN	8.65	±9.6
10628	AAG	IEEE 802.11ac WFI (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9,6
10630	AAC	IEEE 802 11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	19.6
the state of the s	and the second second	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	19.6
And And Address of the Owner of	the state of the s	IEEE 802.11ac WIFI (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	19.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
and the second second	10 million 100 million	IEEE 802.11ap WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10835	AAC	IEEE 802.11ac WFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAD	IEEE 802.11ac WFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10637	AAD	IEEE 802.11ac WFI (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9,6
10638	AAD	IEEE 802 11ac WIFI (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	29.5
10639	AAD	IEEE 802.11ac WIFI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAD	IEEE 802.11ac WiFI (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.95	±9.6
10641	AAD	IEEE 802.11ac WIFI (160 MHz, MCS5, 90pc duty cycle)	WLAN	9,06	19.6
10642	AAD	IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10643	AAD	IEEE 802.11ac WIFI (168 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAD	IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAD	IEEE 802.11ac WIFI (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	19.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subtrame=2,7)	LTE-TDD	11.96	19.6
10647	AAS	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframew2,7)	LTE-TOD	11.96	±9.6
10.648	AAA	COMA2000 (1x Advanced)	COMA2000	3.45	±9.6
10:652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	8.91	±9.6
10.853	AAF	LTE-TOD (OFDMA, 10 MHz, E-TM 0.1, Clipping 44%)	LTE-TDD	7.42	19.6
10:854	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.98	±9.6
0.855	AAF	LTE-TDD (OFDMA, 20MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7.21	3.9.6
0658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
0.659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	£9.6
0660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.5
0661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	19.6
10662	AAB	Pulse Waveform (200Hz, 60%)	Test	0.97	19.6
0670	AAA	Bluetooth Low Energy	Bluetooth	2.19	19.6
0671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.08	19.6
	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.8
	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±0.6
and the second se	AAC	IEEE SOR 11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
	AAC	IEEE 802.118x (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
	AAC.	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
	AAC.	IEEE 802.11ax (20 MHz, MCS8, 80pc duty cycle)	WLAN	8.89	19.6
		IEEE 802.11ax (20 MHz, MCSB, 90pc duty cycle)	WLAN	8.80	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±0.0
	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±8.6 ±9.8
0683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	
0684	AAC	IEEE 802.11ex (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
0.685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.8
0686	AAC	IEEE 802.11ax (20 MHz, MOS3, 99pc duty cycle)	WLAN	the second se	#9.8
-	-	a state of the sta	HLAN .	8.28	±9.6

Certificate Ale: EX.7899 Mer/99





November 24, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc [®] k o
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 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 802.51ax (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	19.6
10692	AAC	IEEE 802.11 ax (20 MHz, MCSB, 99pc duty cycle)	WLAN	8.29	±0.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 59pc duty cycle)	WLAN	8.57	±9.6
10.695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	and the second se		±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS1, 80pc duty cycle)	WLAN	8.78	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.91	±9.6
10698	AAC		WLAN	8.61	±8.6
10.699	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
and the second second		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	土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	±8.6
10706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10,708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	:9.6
10709	AAG	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	19.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.8
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	19.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WEAN	8.33	±9.6
10714	AAC	IEEE 802.11 ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	6.26	
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	Contraction of the local sector of the local s	19.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)		8.45	3.9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCB10, 99pc duty cycle)	WLAN	8.30	±8.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.48	#8.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.24	29.6
10720	AAC		WEAN	8.81	±9.6
10721	AAC	IEEE 802.11ax (BOMHz, MCS1, 00pc duty cycle)	WLAN	8.87	台9. 用
10722		IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.76	±0.8
a share as a second	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 602.11ax (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	£9.8
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.8
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	19.6
10727	AAC	IEEE 802.11 ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
0728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	19.6
0729	AAC	IEEE 802,11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	19.8
10730	AAC.	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
0731	ANC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
0732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pp duty cycle)	WLAN	8.46	29.6
0733	AAG.	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
0734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	
0735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN		±9.6
0736	AAC	IEEE 802.11ax (80 MHz, MCS5, 98pc duty cycle)	WLAN	8.33	19.6
0737	AAC.	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)		8.27	±9.6
and the second se	AAC	IEEE 802 11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.36	±9.8
	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	
	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
	AAC.	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WEAN	8.48	19.6
the second s	AAC	IEEE 802.11ax (80 MHz, MCS10, 39pc duty cycle) IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.40	±9.0
10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AAC	IEEE BDS 11ax (180 MHz, MUS11, 3900 GUY Cycle)	WLAN	8.43	±9.6
	AAC	IEEE 802.11ax (160 MHz, MCS0, 80pc duty cycle)	WLAN	8.94	±9.6
		IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	2,9.6
	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9,11	±9.6
	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
	AAC.	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.0
and the second se	AAC.	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.90	19.0
	AAC.	IEEE 802.11ex (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
	AAC	IEEE 882.11 ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	6.82	±9.6
0752	AAC	IEEE 802.11ax (160 MHz, MC59, 90pc duty cycle)	WLAN	8.81	19.6

Certificate Nn: FX-7622 Nm/23

Dann 10 x1 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	8.64	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MOS1, 96pc duty cycle)	WEAN	B.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	B.77	±9.8
10758	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
10766	AAC	IEEE 802 11ax (160 MHz, MCS5, 89pc duty cycle)	WLAN	8,49	19.6
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
10763	AAG	IEEE 802.11ax (160 MHz, MCS8, 99cc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.54	19.6
10.765	AAC	IEEE 809.11ax (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, 15kHz)	SG NR FR1 TDD	7.99	19.6
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, OPSK, 15 kHz)	SG NR FR1 TDD		
10769	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	the second s	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25MHz, OPSK, 15kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAD	SG NR (CP-OFDM, 1 RB, 30 MHz, GPSK, 15 KHz)	SG NR FR1 TDD	8.02	±0.6
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.23	±9.6
10774	AAD	SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.03	±9.6
10775	AAD		5G NR FR1 TDD	8.02	19.6
10778	AAD	5G NR (CP-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	50 NR FR1 TD0	B.31	3.9.6
10777		6G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	50 NR FR1 TOD	B.30	±9.5
	AAC	5G 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	SG NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	4.38	±9,6
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 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	±9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.8
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15xHz)	5G NR FR1 TDD	8.29	±9.8
10785	AAD	5G NR (CP-OFOM, 100% R8, 15 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.40	±0.6
10786	AAD	5G-NR (CP-OFDM, 100% R8, 20 MHz, QPSK, 15 kHz)	5G NR FRI TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFOM, 100% RB, 25 MHz, QPSK, 15kHz)	50 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, 15 kHz)	50 NR FR1 TDD	8.37	±9.8
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, GPSK, 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 RB, 10 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10,793	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	AAO	5G NR (CP-OFDM, 1 R8, 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 R8, 40 MHz, QPSK, 30 kHz)	6G NR FR1 TOD	8.01	±9.6
10798	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	7.93	19.5
0801	AAD	SG NR (CP-OFOM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	19.6
0802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	9G NR FR1 TDD	7.87	±9.8
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	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0.805	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, OPSK; 30 kHz)	5G NR FR1 TDD	8.37	±9.6
0.909	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, GPSK, 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	±0.6
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% R8, 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]	SG 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	19.6
0820		5G NR (CP-OFDM, 108% RB, 20 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.30	19.6
0821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.41	
0822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	50 NR FRI TDD		±9.6
0823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)		8.41	±9.6
terioreturning.	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 KHz)	SG NR FRI TDD	8.36	±8,6
	AAD	5G NR (CP-OFDM, 100% R8, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.39	±9.6
the local data in the local da	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.41	±9.6
Color Statements	AAD	5G NR (CP-OFOM, 100% RB, 90 MHz, GPSK, 30 Hz)	5G NR FR1 TDD	8.42	±9.6
- state		and the last of and, rubbe no, bu write, sur an, au write)	5G NR FRI TDD	8.43	±9.6

Cartilinate Mrs. EV.7699 Mau09

n-----



November 24, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Uno st 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, CPSK, 60 kHz)	5G NR FR1 TDD	7.63	19.6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 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, 25MHz, QPSK, 60kHz)	SG NR FR1 TDD	7.70	19.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	19.6
10835	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)	5G NR FR1 TDD	7.66	19.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, GPSK, 60 kHz)	SG NR FR1 TDD	7.68	19.6
10839	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	19.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.87	
10841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	7.71	±8.8
10843	AAD	5G NR (CP-OFDM, 50% R8, 15 MHz, QPSK, 60 kHz)	and an international design of the second		±9.6
10.844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,49	±9,6
10846	AAD	5G NR (CP-OFDM, 50% BB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	:19,6
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,41	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	53 NR FR1 TDD	8.34	元母元
10856	AAD		5G NR FR1 TDD	8.35	±9.8
		5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	19.6
10857	AAD	5G NR (CP-OFOM, 100% R8, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	19.6
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAD	6G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10.860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TOO	8.41	±9.6
10.061	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	SG NR FR1 TOO	8.40	±9.6
10.963	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, GPSK, 60 kHz)	5G NR FR1 TDD	8.41	19.6
10864	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, QPSK, 60 kHz)	5G NR FR1 TDO	8.41	±9.6
10.995	AAD	5G NR (DFT-e-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	29.6
10868	AAD	5G NR (DFT-e-OFDM, 100% R8, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	29.6
10869	AAE	5G NR (DFT+-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	19.6
10870	AAE	5G NR (DFTs-OFDM, 100% R8, 100 MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.86	±9.8
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 KHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT+s-OFDM, 100% R8, 100 MHz, 160AM, 120 kHz)	5G NR FR2 TDD	6.52	±9.5
10873	AAE.	5G NR (DFT-#-OFDM, 1 R8, 100 MHz, 54DAM, 120 kHz)	5G NR FR2 TDD	8.51	±9.6
10874	AAE	5G NR (DFTs-OFDM, 100% RB, 100 MHz, 64QAM, 120kHz)	50 NR FR2 TDD	6.65	19.6
10875	AAE	5G NR (CP-OFOM, 1 RB, 100 MHz, QPSK, 120 kHz)	50 NR FR2 TOD	7.78	19.6
10876	AAE	SG NR (CP-CFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	19.6
10877	AAE	5G NR (CP-OFDM, 1 R8, 100 MHz, 15QAM, 120 kHz)	5G NR FR2 TDD	7.95	
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	A 015 MT	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 54QAM, 120 kHz)	and the second	8.41	±8.6
108801	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 54QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10881	AAE	SG NR (DFT-e-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10882	AAE	SG NR (DFTa-OFDM, 100% RB, 50 MHz, QPSK, 120 MHz)	SG NR FR2 TDD	5,75	±9.6
10.883	AAE	5G NR (DFT-s-OFDM, 1 R8, 50 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 160AM, 120 MHz)	5G NR FR2 TDD	6.57	3,9,6
10.885	AAE	SG NR (DFT+8-OFDM, 100% HB, 50 MHz, 100AM, 120 KHz)	5G NR FR2 TDD	6.53	±9.6
10886	AAE		5G NR FR2 TDD	6.61	±8.6
10887	AAE	SG NR (DFTs-OFDM, 100% RB, SOMHz, 64QAM, 120kHz)	5G NR FR2 TOD	6.65	±9.6
10.688	AAE	SG NR (CP-OFDM, 1 RB, SOMHz, OPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.0
	AAE	SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
0889	and a second sec	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
	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)	5G NR FR2 TDD	8.13	±9.6
26801	AAE	5G NR (CP-OFDM, 100% R8, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	+9.6
0897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.66	±9.6
0898	AAE	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
0889	AAB	5G NR (DFT-s-OFDM, 1 RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.67	19.6
0900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 38 kHz)	5G NR FR1 TDD	5.68	19.6
0901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,68	:9.8
0.902	AAB	5G NR (DFT-6-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.68	19.6
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 (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	
0905	AAB	50 NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 KHz)	5G NR FR1 TDD		±9.6
0906	AAB	5G NR (DFT=-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)		5.68	±9.8
0.907	AAC	50 NR (DFT=-OFDM, 50% R8, 5 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.68	±9.6
8090	AAB	5G NR (DFT-s-OFDM, 50% R8, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,78	±9.6
0909	AAB	53 NR (DFT-s-OFDM, 50% R8, 15 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.8
0910	AAB	5G NR (DFT-6-OFDM, 50% RB, 20MHz, QPSK, 30kHz)	5G NR FR1 TOD	5.96	±9.6
	0.000	and the second doing that an ourse, LACON, SORNED	5G NR FR1 TDD	5.83	±9.6

Certificate No: FX-7699 Nov99

0+++ 00 +I 00



November 24, 2023

UID	Bev	Communication System Name	Group	PAR (dB)	Ung ^{II} k +
10911	AAB	50 NR (DFTe-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFTs-OFDM, 50% RB, 30MHz, QPSK, 30kHz)	5G NR FR1 TOD	5.84	±9.6
10913	AAB	SG NR (DFTs-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAB	5G NR (DFTs-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT+-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-e-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	6.87	19.6
10917	AAB	5G NR (DFT-9-OFDM, 50% RB, 100 MHz, QPSK, 30 KHz)	50 NR FR1 TDD	6.94	±9.6
10918	AAC	5G NR (DFT-e-OFDM, 100% R8, 5 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.86	19.6
10919	AAB	5G NR (DFT-e-OFDM, 100% R8, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	19.6
10920	AAB	5G NR (DFT-e-OFDM, 100% R8, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.87	±9.6
10921	AAB	5G NR (DFT-e-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	19.6
10922	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-6-OFDM, 100% RB, 40 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	5.84	19.0
10925	AAB	5G NR (DFTs-OFDM, 100% R8, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	28.6
10926	AAB	5G NR (DFT=-OFDM, 100% R8, 60 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QP5K, 15kHz)	50 NR FR1 FDD	5.52	and the second se
10929	AAC	5G.NR (DFTs-OFOM, 1 RB, 10 MHz, QPSK, 15kHz)	50 NR FR1 FDD	and the second sec	±9.6
10930	AAC	5G NR (DFT=-OFDM, 1 RB, 15MHz, QPSK, 15HHz)	5G NR FR1 FDD	5.52	29.8
10931	AAC	5G NR (DFT=OFDM, 1 RB, 20 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	29.5
10932	AAC	5G NR (OFT-e-OFDM, 1 RB, 25MHz, QPSK, 15kHz)	SG NR FR1 FDD	5.51	19.6
10933	AAC	5G NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 15kHz)	the state is a first the second se		19.8
10934	AAC	5G NR (DFT+-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAD	5G NR (DFT-e-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAC	5G NR (DFT-8-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.61	±9.6
10937	AAD	5G NR (DFTe-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FD0	6.90	19.6
10938	AAC	5G NR (DFT-8-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 FD0	8.77	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
10940	AAC	5G NR (DFT-8-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10941	AAC	5G NR (DFT-e-OFDM, 50% RB, 30 MHz, QPSK, 15kHz)	50 NR FR1 FDD	5.89	±9.6
10942	AAC	5G NR (DFT-6-OFDM, 50% RB, 40 MHz, QP3K, 154Hz)	50 NR FR1 FDD	5.83	±9.6
10943	AAD	5G NR (DFT-6-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10944	AAC	5G NR (DFT-6-OFDM, 100% R8, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.95	±9.6
10945	AAC	5G NR (DFT-e-OFDM, 100% R8, 10 MHz, QPSK, 15 MHz)	5G NR FR1 FDD	5.81	29.8
10946	AAC	5G NR (DFT-e-OFDM, 100% R8, 15 MHz, QPSK, 15 kHz)	50 NR FR1 FDD	5.85	±9.6
10947	AAC	5G NR (DFT-I-OFDM, 100% RB, 20MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.83	±9.6
10948	AAC	5G NR (DFT+-OFDM, 100% RB, 25 MHz, OPSK, 15 MHz)	SG NR FRI FDD	5.87	±9,6
10948	AAC	5G NR (DFTs-OFDM, 100% RB, 30 MHz, OPSK, 15 MHz)	5G NR FR1 FDD	5.94	±9.6
10960	AAC	SG NR (DFTs-OFDM, 100% RB, 40MHz, OPSK, 15kHz)	5G NR FR1 FDD	5.87	±9.6
10951	AAD	SG NR (DFT-e-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10952	AAA	SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	SG NR FR1 FDD	5.92	±9.6
10963	AAA	5G NB DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15 KHz)	SG NR FR1 FDD	8.15	19.6
10955	AAA	SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) SG NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 KHz)	5G NR FR1 FDD	8.23	主尊,自
10955	AAA	SG NR DL (CP-OFDM, TM 3.1, 20MHz, 84-GAM, 15 kHz) SG NR DL (CP-OFDM, TM 3.1, 5 MHz, 84-GAM, 30 kHz)	5G NR FR1 FDD	8.42	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MH2, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	29.8
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 84-QAM, 30KHz)	5G NR FR1 FDD	8.31	±9.6
10969	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz) 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10960	AAC	5G NR DL (CP-OFDM, 1M 3.1, 20 MHz, 64-GAM, 30 kHz) 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 84-GAM, 15 kHz)	5G NR FR1 FDD	8.33	±9.6
10961	AAB	SG NR DL (CP-OFDM, TM 3.1, 3 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
10962	AAB		50 NR FR1 TOD	9.36	±9.0
0962	AAB	SG NFI DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	50 NR FR1 TDD	9.40	±9.6
0954	AAC	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9,6
0965	AAB	SG NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30 kHz)	53 NR FR1 TDD	9.29	±9.8
0965	AAB	5G NR OL (CP-OFDM, TM 3.1, 10 MHz, 54-QAM, 30 KHz)	50 NR FR1 TDD	9.37	±9.6
0967	AAB	50 NR OL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
0968		5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-GAM, 30 KHz)	5G NR FR1 TDD	9.42	8.8±
0972	AAB	53 NR DL (CP-OFDM, TM 3 1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TOD	9.49	3.6±
10972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
and the second sec	1	5G NR (DFT-s-OFOM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	BAA	5G NR (CP-OFOM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
0978	AAA	UALA BDR	ULLA	1.16	19.6
0978	AAA	ULLA HDR4	ULLA	8.58	±9.6
0980	AAA	ULLA HORE	ULLA	10.32	±9.6
0981	AAA	ULLA HDRp4	ULLA	3.19	±9.6
0982	AAA	ULLA HDAp8	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-OFOM, 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, 15 kHz)	5G NR FR1 TDD	9.42	+9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FRI TDD	9.54	19.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	SG NR FRI 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, 64-QAM, 30 kHz)	5G NR FR1 TDO	9.33	+9.6
10990	AAA	5G NR DL (CP-OFOM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FRI TDO	9.52	+9.6
11003	AAA,	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 84-QAM, 15 kHz)	56 NR FR1 TDD	10.24	+9.6
11004	AAA	5G NR DL (CP-DFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDO	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	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 84-QAM, 15 kHz)	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)	5G 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	±9.8
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	8.44	±9.6
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8,44	±9.6
11.017	AAA	IEIEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	19.6
11018	AAA.	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11018	AAA	IEEE 802.11be (320 MHz; MCS7, 99pc duty cycle)	WLAN	8.29	19.6
11020	AAA	EEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	19.6
11021	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.48	19.6
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc 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	6.92	±9.6
11025	AAA	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	19.6 ±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 Laborator Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zu		Nac MRA	(\bullet)	C Service Servizio	zerischer Kalibrierdie sulsse d'étalonnage svizzero di taratura Calibration Service		
Accredited by the Swiss Accre The Swiss Accreditation Se Multilateral Agreement for t	rvice is one of the signat			Accreditatio	n No.: SCS 0108		
Client HCT Gyeonggi-do, R	epublic of Korea		Certificate No.	EX-7751	_Oct23		
CALIBRATION C	ERTIFICATE						
Object	EX3DV4 - SN:7	751	10 - 8		1.1		
Calibration procedure(s)	QA CAL-25.v8	QA CAL-01.v10, QA CAL-12.v10, QA CAL-14.v7, QA CAL-23.v6, QA CAL-25.v8 Calibration procedure for dosimetric E-field probes					
Calibration date	October 06, 202	23					
All calibrations have been co Galibration Equipment used							
Primary Standards	10	Cal Date (Cer			eduled Calibration		
Power meter NRP2 Power sensor NRP-Z91	SN: 104778		0.217-03804/03805				
OCP DAK-3.5 (weighted)	SN: 103244 SN: 1249	30-Mar-23 (No	2. 217-03804) CP-DAK3.5-1249 Oc		-24		
OCP DAK-12	SN: 1016		P-DAK12-1016 Do				
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No		Mar			
DAE4	SN: 660		DAE4-660 Mar23				
Reference Probe ES3DV2	SN: 3013	08-Jan-23 (No	ES3-3013_Jan23)	Jan	-24		
Panadas, Panadad	1.00						
Secondary Standards Power meter E4419B	ID SN: GB41293874	Check Date (In	n house) Nouse check Jun-221		eduled Check		
Power sensor E4412A	SN: MY41498087	the second se	house check Jun 22 house check Jun 22		ouse check: Jun-24 ouse check: Jun-24		
Power sensor E4412A	SN: 000110210		house check Jun-22		ouse check: Jun-24		
RF generator HP 8648C	SN: U\$3642U01700	04-Aug-99 (in	house check Jun-22) In h	ouse check: Jun-24		
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in	house check Oct-22	inn	ouse check: Oct-24		
	Name	Functio	in	Signatu	10		
Calibrated by	Jeton Kastrati	Labora	tory Technician	Ary	14		
Approved by	Sven Kühn	Technic	tal Manager	Se	-		
This calibration certificate sh	all not be reproduced excep	ot in full without writte	on approval of the lat	Issued: boratory.	October 06, 2023		
			질	179	파 안 작		
ertificate No: EX-7751_Oc	123	Page 1 of 22	74 (411/04 p	16	1 1 1 1 1 1		
			1 1 202		2:23 / P.16		



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



S Schweizerischer Kalibrierdienst C Service suisse d'étalonnage 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 NORMx, y, z	tissue simulating liquid sensitivity in free space
ConvF	sensitivity in TSL / NORMx.y.z
DCP	diode compression point
CE	crest factor (1/duty_cycle) of the RF signal
A, B, C, D	modulation dependent linearization parameters
Polarization w	w rotation around probe axis
Polarization ϑ	O rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., 0 = 0 is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices – Part 1526: 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; VBx,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 affset 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-7751_Oct23

Page 2 of 22



October 06, 2023

Parameters of Probe: EX3DV4 - SN:7751

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (µV/(V/m) ²) ^A	0.55	0.53	0.60	±10.1%
DCP (mV) B	104.7	106.0	103.1	±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	131.8	±3.8%	±4.7%
	1-2010	Y	0.00	0.00	1.00		149.8		
	Contract New Contract Science	Z	0.00	0.00	1.00	horand	139.9	1	
10352	Pulse Waveform (200Hz, 10%)	X	1,40	60.00	6.02	10.00	60.0	±3.2%	±9.6%
		Y	1.39	60.00	5.84		60.0		
		Z	1.69	61.23	61.23 6.75	1	60.0	1	
10353	Pulse Waveform (200Hz, 20%)	X	0.93	60.00	5.02	6.99	80.0	±3.0%	±9.65
		Y	8.00	68.00	7.00		80.0		
		2	0.85	60.00	5.09		80.0	1	
10354	Pulse Waveform (200Hz, 40%)	X	0.54	60.00	4.10	3.98	95.0	±1.8%	±9.69
		Y	0.52	60.00	3.65		95.0		
		Z	0.47	60.00	3.92		95.0	1	
10355	Pulse Waveform (200Hz, 60%)	X	0.34	60.00	3.41	2.22	120.0	±1.6%	±9.69
		Y	16.03	148.13	0.35		120.0		
		Z	14.88	96.89	0.64		120.0		
10387	QPSK Waveform, 1 MHz	X	0.72	65.87	13.00	1.00	150.0	±4.2%	±9.6%
		Y	0.61	63.09	11.00		150.0		
		Z	0.61	62.68	11.16		150.0		
10388	QPSK Waveform, 10 MHz	X	1.48	66.66	14.29	0.00	150.0	±1.4%	±9.69
		Y	1.35	64.96	13.18	1.000	150.0	2007	1000
		Z	1.34	64.74	13.13	i'	150.0		
10396	64-QAM Waveform, 100 kHz	X	1.89	66.67	17.01	3.01	150.0	±0.8%	±9.6%
		Y	1.76	65.29	16.30	552200	150.0	1000000	10000
		Z	1.75	64.94	15.83		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.93	66.75	15.19	0.00	150.0	+2.7%	±9.6%
	Construction of the second second second	Y	2.85	65.95	14.71	0.000	150.0		
		Z	2.84	65.92	14.64		150.0		
10414	WLAN CODF, 64-QAM, 40 MHz	X	3.97	66.30	15.36	0.00	150.0	+4.7%	±9.6%
	CONTRACTOR AND	Y.	3.92	65.68	15.02	0.509245	150.0	STRAEVCE:	-15060
		Z	3.87	65.66	14.92		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 uncontainties of Norm X, Y.Z do not effect the E^{II}-field uncertainty inside TSL (see Pages 5 and 6). ^{III} Linearization parameter uncertainty to maximum specified field atrangit. ^{III} Uncertainty is determined using the max, deviation from linear response applying roctangular distribution and is expressed for the square of the Seid value.

Certificate No: EX-7751 Oct23

Page 3 of 22



October 06, 2023

Parameters of Probe: EX3DV4 - SN:7751

Sensor Model Parameters

	C1 IF	C2 fF	и V ⁻¹	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V-2	T5 V ⁻¹	T6
х	11.3	79.07	31.32	7,50	0.00	4,90	0.57	0.00	1.00
У	12.1	86.61	32.85	6.60	0.00	4.90	0.48	0.00	1.01
Z	11.4	79.63	31.15	3.95	0.00	4.90	0.49	0.00	1.00

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-81.7"
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	tmm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 inm
Recommended Measurement Distance from Surface	1.4 mm

Note: Measurement distance from surface can be increased to 3-4 mm for an Aree Scentjob.

Certificate No: EX-7751_Oct23

Page 4 of 22



October 06, 2023

Parameters of Probe: EX3DV4 - SN:7751

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity [#]	Conductivity [#] (S/m)	СопуЕ Х	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
750	41.9	0.89	9.98	9.98	9.98	0.42	0.93	±12.0%
835	41.5	0.90	9.62	9.62	9.62	0.39	0.80	±12.0%
900	41.5	0.97	9.50	9.50	9.50	0.40	0.87	±12.0%
1750	40.1	1.37	8.47	8.47	8.47	0.29	0.86	±12.0%
1900	40.0	1.40	8.13	8,13	8.13	0.27	0.86	±12.0%
2300	39.5	1.67	7.94	7.94	7.94	0.32	0.90	±12.0%
2450	39.2	1.80	7.71	7.71	7.71	0.32	0.90	±12.0%
2600	39.0	1.96	7,47	7,47	7,47	0.32	0.90	±12.0%
3300	38.2	2.71	6.94	6.94	6.94	0.30	1.30	±14.0%
3500	37.9	2.91	6.87	6.87	6,87	0.30	1.35	±14.0%
3700	37.7	3.12	6.47	6.47	6:47	0.30	1.35	±14.0%
3900	37:5	3.32	6:02	6.02	6.02	0.40	1.60	±14.0%
4950	36.3	4.40	5.86	5.66	5.66	0.40	1.80	±14.0%
5250	35.9	4.71	5.20	5.20	5.20	0.40	1.80	±14.0%
5600	35.5	5.07	4.51	4.51	4.51	0.40	1.80	±14.0%
5750	35.4	5.22	4.70	4.70	4.70	0.40	1.80	±14.0%
5800	35.3	5.27	4.66	4.66	4.66	0,40	1.80	±14.0%

^G Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), olse it is restricted to ±50 MHz. The uncertainty is the RSS of the ConsF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 84, 128, 150 and 220 MHz respectively. Validity of ConvF assessments at 40 MHz, and ConvF assessment at 13 MHz is ±-19 MHz. Above 5 GHz troquency validity can be extended to ±110 MHz.
Th The problem we calibrated using fastes eliminating faquids (TSL) that deviations for and or by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of op to ±10%. If TSL with deviations from the target of less than ±5% from the calibration uncertainties are 11.1% for 0.7 · 3 GHz and 13.1% for 3 · 6 GHz.
^G Apha/Depth are determined during tabletation. SPEAG warrants that the remaining deviation due to the boundary affect after compensation is always less than ±1%. The problem balance balance is between Target and the problem balance to minimate the boundary affect after compensation is always less.

than ±1% for frequencies before 3 GHz and below ±2% for trequencies between 3-8 GHz at any distance larger than half the probe tip diameter from the boundary.

Certificate No: EX-7751_Oct23

Page 5 of 22



October 06, 2023

Parameters of Probe: EX3DV4 - SN:7751

Calibration Parameter Determined in Head Tissue Simulating Media

t (MHz) ^C	Relative Permittivity ^F	Conductivity [#] (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
8500	34.5	6.07	5.20	5.20	5.20	0.20	2.50	±18.6%

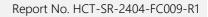
10

^C Frequency velicity velicity velicity at 6.5 GPI2 is -600/+700 MHz, and ±700 MHz at or above 7 GPI2. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.
^F The problem are calibrated using itsue simulating liquids (TSL) that deviate for *x* and *o* by less than ±10% from the target values (typically better than ±0%) 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 effect where a difference of the target values.

than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3-6 GHz; and below ±4% for frequencies between 5-18 GHz at any distance larger than half the probe tip diameter from the boundary.

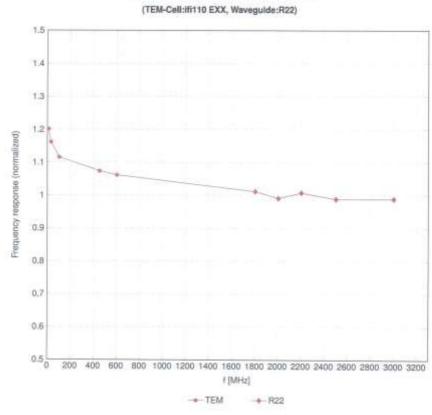
Certificate No: EX-7751_Oct23

Page 6 of 22





October 06, 2023



Frequency Response of E-Field

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

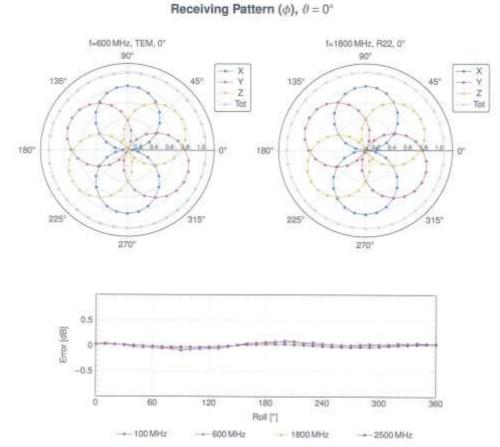
Certificate No: EX-7751_Oct23

Page 7 of 22

October 06, 2023



EX3DV4 - SN:7751



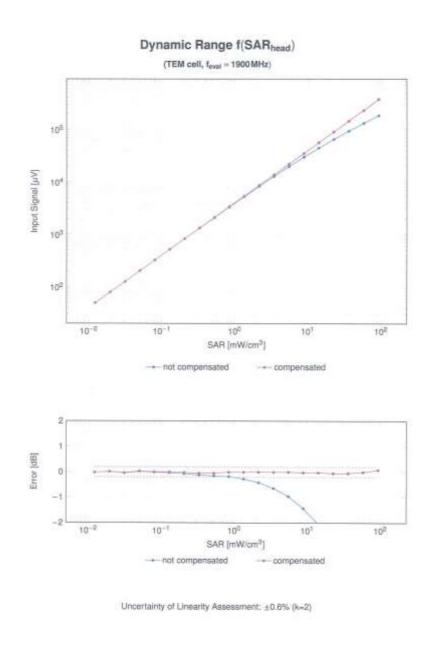
Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

Certificate No: EX-7751_Oct23

Page 8 of 22



October 06, 2023



Certificate No: EX-7751_Oct23

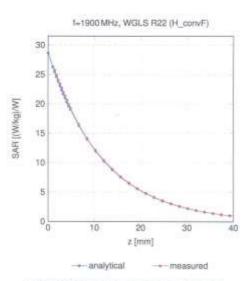
Page 9 of 22

October 06, 2023



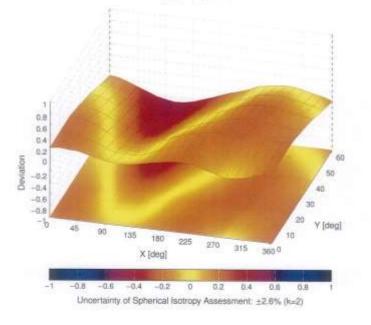
EX30V4 - SN:7751

Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ , θ), f = 900 MHz



Certificate No: EX-7751_Oct23

Page 10 of 22



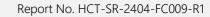
October 06, 2023

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
0		CW	GW	8.00	±4.7
10010	CAB	SAR Validation (Square, 100 ma, 10 ma)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCOMA	2.91	±9.6
0012	CAB	IEEE 802,11b WIFI 2,4 GHz (DSSS, 1 Mops)	WEAN	1.87	19.6
0013	CAB	IEEE 802,11g WFI 2.4 GHz (DSSS-OFDM, 6 Mbps)	WEAN	9.46	+0.6
			A department of the	9.30	19.6
0021	DAC	GSM-FDD (TOMA, OM5K)	GSM		
0023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
0024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
0025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.段	±9.6
0.026	DAG	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
0028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3,55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
0030	CAA	IEEE 802.15.1 Buetpoth (GFSK, DH1)	Bluetooth	5.30	±9.6
10.031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
0032	CAA	IEEE 802.15.1 Biuetooth (GFSK, DH5)	Bluetooth	1.16	19.6
0.033	CAA	IEEE 802.15.1 Bluetoch (PI/4-DDPSK, DH1)	and the second se	7.74	+9.6
			Bluetooth		
10:034	CAA	IEEE 802 15.1 Bluetooth (PV4-DGPSK, DH3)	Bluetooth	4.53	±8.6
0.035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DGPSK, DH5)	Bluetooth	3.83	±9.6
0036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
0.037	CAA	IEEE 802.15.1 Bluetooth (8 DPSK, DH3)	Bluetoath	4.77	19.6
10038	CAA	IEEE 802.15.1 Buetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4,57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TOMA/FDM, PI/4-DOPSK, Hafrate)	AMPS	7,78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FOD (FOMA; FM)	AMPS	0.00	+9.6
10048	CAA	DECT (TDD, TDMA/FOM, GFSK, Full Slot, 24)	DECT	13.80	19.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	+9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Meps)	TD-SCDMA	11.01	±9.6
and the second second		and the second se			
10058	DAC	EDGE FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	8,52	±9.6
10.058	CAB	IEEE 802,11b WIFI 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9,6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WEAN	2.83	±9.6
10.061	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mops)	WLAN	3,60	±9.6
10062	CAD	IEEE 802.11 a/h WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	+9.6
10063	CAD	IEEE 802.11 am 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	+9.8
10065	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	+9.6
10066	CAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 24 Mbosi)	WLAN	9.38	±8.8
10.067	CAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±0.6
10068	CAD	IEEE 802.11a/h WFI 5GHz (OFDM, 48 Mbos)	WLAN	10.24	
10069	CAD	IEEE 802.11ah WFI 5 GHz (OFDM, 54 Mbps)			±9.6
the second second			WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WIFi 2.4 GHz (DSSS/OFDM, 9 Mops)	WLAN	9.83	+9,6
10072	CAB	IEEE 802.11g WFI 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.0
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	19.0
10074	CAB	IEEE 802.11g WIF 2.4 GHz (DSSS/DFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WFI 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±8.6
10075	CAB	IEEE 802.11g WIFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.84	±0.8
10077	CAB	IEEE 802.11g WFI 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FOD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	+0.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	G5M		
10097	CAC	UMTB-FDD (HSDPA)		6.66	+9,6
10095	CAC	UMTS-FDD (HSUPA) UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
			WCDMA	3.96	±9.6
0.099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.8
0100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±0,6
10101	CAF	LTE-FOD (SC-FDMA, 100% RB, 20.MHz, 16-QAM)	LTE-FDD	6.42	±0.8
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 109% FIB, 20 MHz, QPSK)	LTE-TOD	9.29	+9.6
10104	CAH	LTE-TOD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	+0.0
10105	CAH	LTE-TOD (SC-FDMA, 100% RB, 20MHz, 64-QAM)	LTE-TDD	10.01	±0.0 ±0.0
10108	CAH	LTE-FOD (SC-FOMA, 100% PB, 10 MHz, QPSK)	LTE-FDD	5.80	±0.0 ±9.6
10100	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 10-QAM)			the second s
10110	CAH	and an and a local second s	LTE-FD0	6,43	±9.6
	21.00	LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-FDD	5,75	±9.6
11110	CAN	LTE-FDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-FOD	6.44	+9.6

Certificate No: EX-7751_Oct23

Page 11 of 22





October 06, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E R =
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.58	±8.fi
10113	CAH	LTE-FOD (SC-FOMA, 100% RB, 5 MHz, 64-GAM)	LTE-FDD	0.62	±9.0
0114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	+9.6
0115	CAD	IEEE 502.11n 047 Greenfield, 81 Mbps, 16-QAMI	WLAN	8.46	±9.8
0116	CAD	IEEE 802.11n (HT Greenfield, 135Mbps, 64-QAM)	WLAN	8.15	+0.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	+9.4
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-GAM)	WLAN	8.58	±0.6
0119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
0140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 10-GAM)	LTE-FDD	6.49	19.6
	CAF		1153350	8.53	
0141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-FDD	5.73	19.6
	CAF	LTE-FDD (SC-FDMA, 100% RB, 3MHz, QPSK)	LTE-FDD LTE-FDD	5.73	±9.6 +9.4
0143	and the second se	LTE-FDD (GC-FDMA, 100% RB, 3 MHz, 16 QAM)		Li atoria	
0144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	0.65	±9.6
0145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1-4 MHz, OPSK)	LTE-FDD	5.79	±9,6
0.146	GAG	LTE-FDD (SC-FDMA, 100% R8, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.0
0.147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6
0149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	主任,有
0.150	CAF	LTE-FDD (SC-FDMA, 50% R8, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.8
0151	CAH	LTE-TDD (SC-FDMA, 50% R8, 20 MHz, QPSK)	LTE-TDD	8.29	±8,0
0152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 18-QAM)	LTE-TDD	9.92	±9.6
0153	CAH	LTE-TDD (BC-FDMA, 50% RB, 20 MHz, 64-GAM)	LTE-TDD	10.05	±9.6
0154	CAH	LTE-FDD (SC-FDMA, 60% HB, 10 MHz, QPSK)	LTE-FDD	5.75	+9.6
0155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-GAM)	LTE-FDD	6.43	±9,fi
0155	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.0
0157	CAH	LTE-FDO (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.8
10158	CAH	LTE-FD0 /SC-FDMA, 50% RB, 10 MHz, 64-QAM0	LTE-FDD	6.62	+9.8
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-GAM)	LTE-FDD	8.56	+0.8
10180	CAF	LTE-FOD (SC-FDMA, 50% FIB, 15 MHz, QPSK)	LTE-FDD	5.82	±0.0
0161	CAF	LTE FOD (SC FOMA, 50% HE, 15 MHz, 16 QAM)	LTE-FDD	6.43	±9.8
59101	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-DAM)	LTE-FDD	6.58	+9.6
10186	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
0187	CAG	LTE-FOD (SC-FDMA, 50% RB, 1,4MHz, GPSA)	LTE-FDD		
10187	CAG	LTE-FOD (SC-FDMA, 50% RE, 1.4 MRz, 64-QAM)		6,21	<u>東</u> 島,前
	CAF	LTE-FDD (SC-FDMA, 188, 20 MHz, CPSK)	LTE-FDD	6.79	±0.6
10169			LTE-FDD	5.73	±9:8
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9;8
10171	AAF	LTE FOD (SC FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-PDD	6.48	±9.6
10172	CAH	LTE-TOO (SC-FOMA, 1 RB, 20 MHz, OPSK)	LTE-TDD	8,21	主日相
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9,48	±8,6
10174	CAH	LTE-TDD (SC-FDMA, 1 FIB, 20 MHz, (H-QAM)	LTE-TDD	10.25	±9.6
0175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QP5K)	LTE-FDD	5.72	±9.8
0176	CAH.	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	士日,日
0177	CAJ	LTE-FDD (SC-FOMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
0178	CAH	LTE-FDD (SC-FDMA, 1 FIB, 5 MHz, 16-QAM)	LTE-FDO	6.52	±9.6
0.179	CAH	LTE-FDD (SC-FDMA, 1 FIE, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-GAM)	LTE-FDD	6.50	±9.6
0.181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	6.72	+9.6
0 182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	8.52	±9.6
0.183	AAE	LTE-FDD (SC-FDMA, 1 RB; 15 MHz; 64-QAM)	LTE-FOO	6.50	±9.6
0.184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDO	5.73	:9.6
0.185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
0186	AAF.	LTE-FDD (SC-FDMA, 1 RB, 3MH), 64-QAM)	LTE-FDD	6.50	±9.6
0.187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK)	LTE-F00	5.73	±9.6
0.188	CAG	LTE-FDD (SC-FDMA, 1 RB, L4MHz, 16-QAM)	LTE-FDD	6.52	19.6
0 188	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FOD	8.50	±9.6
0.183	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, 8PSK)	WLAN	8.00	±9.6
0.194	CAD	IEEE 802.11n (HT Greenfield, 38 Mpps, 16-QAM)	WLAN	8.12	±9.6 ±9.6
0.195	CAD	IEEE 802.11n (HT Greenfield, 66 Mbps, 54-GAM)	WLAN	8.12	19.6
0196	CAD	EEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WEAN	8.21	
0107	CAD	EEE B02.11n (HT Mixed, 5.5Mcps, 5P-56) EEE B02.11n (HT Mixed, 39 Mbps, 18-QAM)			±9.6
0.198	CAD		WLAN	8.13	±9.6
-	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64 QAM)	WLAN	8.27	±9.6
0219	and the second second	EEE 802.11n (HT Mixed, 7.2 Mbpt, BPSK)	WEAN	8.03	±8,6
0220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-GAM)	WEAN	8.13	+9.6
0221	CAD	IEEE 602.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
0222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.0
0223	CAD	IEEE 802.11n (HT Mized, 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

Certificate No: EX-7751_Oct23

Page 12 of 22



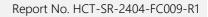
October 06, 2023

UID	Berr	Communication System Name	Group	PAR (dB)	Unc ^E k =
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	+0.0
10226	CAC	LTE-TOD (SC-FOMA, 1 RB, 1,4 MHz, 16-QAM)	LTE-TOD	9.49	+9.0
0227	CAC	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, 64-GAM)	LTE-TOD	10.26	±9.6
10225	CAC	LTE-TD0 (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TOD	9.22	49.6
0229	CAE	LTE-TOD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TOD	9.48	19.6
0230	CAE	LTE-TOD (SC-FDMA, 1 RB, 3MHz, 64-DAM)	LTE-TDD	10.25	±9.6
0231	DAE	LTE-TOD (SO-FDMA, 1 RB, SMHz, OPSK)	LTE-TDD	9.19	19.6
	and the second second				
0232	CAH	LTE-TOD (SC-FDMA, 1 RB, 5MHz, 16-OAM)	LTE-TDD	9.48	±8.8
0235	CAH	LTE-TDD (SC-FDMA, 1 RB, SMHz, 84-QAM)	LTE-TDD	10.25	±9.6
0234	CAH	LTE-TOD (SC-FDMA, 1 RB, 5MH), QPSK)	LTE-TDD	9,21	±9.8
0235	CAH	LTE-TDO (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TOD	9.48	±9.6
0235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
0237	CAN	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, GPSK)	LTE-TDD	9.21	土住,但
0238	CAG	LTE-TDO (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TOD	9.48	±9:8
0530	CAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
0240	CAG	LTE-TDD (SC-FDMA, 1 BB, 15 MHz, QPSK)	LTE-TDD	9.21	±9.8
0241	CAC	LTE-TDO (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
0242	CAG	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, 54-QAM)	LTE-TDD	9.86	+9.6
0243	CAC	LTE-TOD (SC-FDMA 50% RB 1.4 MHz, QP5K)	LTE-TDD	9.46	+9.6
0244	CAE	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TOD	10.06	±9.6
0245	CAE	LTE-TOD (SC-FDMA, 58% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	+9.6
0.246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TOD	9.30	+9.6
0247	CAH	LTE-TOD ISC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TOO	9.91	+0.6
0.248	CAH	LTE-TDD (SC-FOMA, 50% RB, 5MHz, 64-DAM)	LTE-TDO	10.09	+9.6
0.249	CAH	LTE-TOD (SC-FOMA, 50% RB, 5 MHz, OPSK)	LTE-TDO	9.29	+0.0
0.250	CAH	LTE-TOD (SC-FOMA, 50% RB, 10 MHz, 1E-QAM)			
0.251	CAH	LTE-TOD (SC-FOMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDO	9.81	±9.6
	and the second second		LTE-TDD	10.17	±9.6
0.252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK)	LTE-TOD	9.24	±8.6
0.253	CAG	LTE-TOD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TOD	9,90	±9.6
0.254	CAG	LTE-TDD (SC-FDMA, 50% AB, 15 MHz, 64-QAM)	LTE-TOD	10.14	±8.6
0.255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDO	9.20	±9.6
0.256	CAG	LTE-TDD (SC-FDMA, 199% RB, 1.4 MHz, 19-QAM)	LTE-TOO	9.96	10.6
0.257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-GAM)	LTE-TDD	10.08	+9.6
0.258	CAC	LTE-TOD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TOD	9.34	28.6
0.259	CAE	LTE-TDD (SC-FDMA, 100% RE, 3MHz, 16-QAM)	LTE-TOO	9,98	:16
0.260	CAE	LTE-TDD (SC-FOMA, 100% FIB, 3 MHz, 64-QAM)	LTE-TEO	9.97	+9.6
0.261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, GPSK)	LTE-TOD	9.24	+9.6
0.262	CAH	LTE-TDD (SC-FDMA, 100% FB, 5MHz, 16-QAM)	LTE-TDO	8.63	±9.6
0.253	CAH	LTE-TDD (SC-FDMA, 100% FI8, 5MHz, 64-QAM)	LTE-TCO	10.16	±9.6
0.264	CAH	LTE-TDD (SC-FDMA, 100% AB, 5MHz, CIPSK)	LTE-TDO	8.23	19.6
0.265	CAH	LTE-TDD (SC-FDMA, 100% RE, 10 MHz, 16-DAM)	LTE-TDD	8.92	+9.6
0.266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 84-QAM)	LTE-TDD	10.07	+9.6
0.267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOD	9.30	19.6
0.268	CAG	LTE-TDD (SC-FDMA, 100% RE, 15MHz, 18-DAM)	LTE-TOD		
0269	CAG	LTE-TDD (SC-FDMA, 100% R8, 15 MHz, 64-QAM)		10.06	±9.6
0270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 0PSK)	LTE-TOD	10.13	10.6
0274	CAC	UMTS-FDD (HSUPA, Subject 5, 30PP Rate, 10)	LTE-TOD	9.58	±9.6
0275	CAC		WCEMA	4.87	±0.0
0275	CAG	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rol8.4)	WCDMA	3.96	±9.8
		PHS (QPSK)	PHS	11.81	±9.8
0278	CAA	PHS (QPSK, BW 884 MHz, Rokell (1.5)	PHS	11,81	±0.6
0279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	土田,田
0290	AAB	CDMA2000, RC1, SO55, Full Rate	COMA2000	3.91	±9.6
0.291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
26830	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3,39	±9.6
0293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
0295	AAB	CDMA2000, RG1, SO3, 1/8h Rate 25 fr.	CDMA2000	12.49	±9.6
0.297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-FCO	5.81	+8.6
0.298	AAE	LTE-FOD (SC-FOMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.6
0.299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 15-QAM)	LTE-FDD	6.39	19.6
0.000	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.80	+9.6
0:301	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WMAX	19.00	
0:302	AAA	(EEE 802 T6e WIMAX (29118, 5 m), 10 MHz, QPSK, PUSC, 3 CTRL symbols)		1 Back Model	19.6
8303	AAA		WIMAX	12.57	±8.6
and the second second	AAA	IEEE 802 16e WIMAX (31:16, 5ms, 10 MHz, 64CAM, PUSC)	WIMAX	12.52	±9.6
0304		IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6
0306	AAA	IEEE 802 16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUISC, 15 symbols)	WMAX	15.24	±0.6
0300	AAA	IEEE 802 16e WIMAX (29.18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	19.8
	_				

Certificate No: EX-7751_Oct23

Page 13 of 22

ŝ



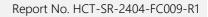


October 06, 2023

UID	Hev	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)	XAMIW	14,49	±9.6
10308	AAA	IEEE 802 16e WIMAX (29-18, 10 ms, 10 MHz, 16QAM, PUSC)	WIMAX	14.48	£9.6
10389	AAA	IEEE 802 15e WIMAX (29:18, 10 ms, 10 MHz, 16GAM, AMC 2x3, 18 symbols)	WIMAX	14.58	19.6
10310	AAA	IEEE 802.164 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	8.06	+9.6
10313	AAA	DEN 1:3	IDEN	10,51	±9.0
10314	AAA	IDEN 1:5	E)EN	13,48	±9.6
10315	AAB	IEEE 002.11h WIFI 2.4 GHz (DSSS, 1 Mops, 96pc duty cycle)	WLAN	1.71	±9.6
10318	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	+9.6
10317	-AAD	IEEE 802.11a WIFI 5 GHz (OFOM, 6 Mbps, 96pc duty cycle)	WEAN	8.36	+9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	18.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Ganaric	6.99	+9.6
10354	AAA	Pulse Waveform (2004z, 40%)	Generic	3.98	£9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	10.6
10358	AAA				
and the state of t		Public Waveform (200Hz, 60%)	Generic	0.97	1.9.8
10387	AAA	OPSK Wavalorm, 1MHz	Generic	5.10	土泉,谷
10388	AAA	OPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-DAM Waveform, 100 kHz	Generic	1.27	±9.8
10399	AAA	84-QAM Waweform, 40 MHz	Generic	8.27	±9.6
10400	AAE	IEEE 802.11ac WIF) (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	6.37	+9.6
10401	AAE	IEEE 602.1 fac WIFI (40 MHz, 64 QAM, 96pc duty cycle)	WLAN	8.60	+.9.8
0.402	AAE	IEEE 802.11ac WIFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	+9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	19.0
10404	AAB	CDM42000 (1xEV-DD, Rev. 4)	CDMA2000	3.70	19.6
10405	AAB				
	0.000	CDMA2000, RC3, SO32, SCH0, Full Ralls	CDMA2000	5.22	±5.6
10410	AAH	LTE-TDD (SC-FDMA, 1 HB, 10 MHz, GPSK, UL Subtrame=2,3,4,7,8,9, Subtrame Confi-4)	LTE-TOD	7.82	+9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.8
10415	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	19.日
0.416	AAA	IEEE 802.11g WIFI 2.4 GHz (ERP-DEDM, 6 Mbps, 96pc duty cycle)	WLAN	0.23	±9.6
0417	AAC	IEEE 802,11a/h WFI 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.8
0418	AAA	IEEE 802.11g W/Fi 2.4 GHz (DSSS-OFDM, 6 Maps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.8
0419	AAA	IEEE 802,11g WFI 2,4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	+9.6
10422	AAC	IEEE 802.11n (HT Greenteid, 7.2 Mbps, BPSK)	WLAN	8.32	+9.6
10423	AAC	IEEE 802.11m (HT Greenfield, 43.3 Mbps, 15-QAM)		11.000	
the second second	AAC		WLAN	8.47	±9.8
10424		IEEE 802.11n (H7 Greenfeld, 72.2 Mbps, 64-QAM)	WLAN	5,40	+9.6
10425	AAC	IEEE 802,11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.ff
10.428	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	19.6
10427	AAC	IEEE 802.11n (rfT Greenfeld, 150 Mbps, 84-QAM)	WLAN	8.41	±9.5
10430	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1)	LTE-FDD	8.28	±9.8
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.8
16432	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	+9.6
10433	AAD	LTE-FDD (OFDMA, 20MHz, E-TM 3.1)	LTE-FDD	8.34	+9.8
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WEDMA	8.60	and the second se
10435	AAG	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, OPSK, UI, Subframe=2.3.4,7.8.9)	and the second se		±9,8
10.447	AAE		LTE-TDD	7,82	±9.6
		LTE-FDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-FDO	7,56	8.R±
0.448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7,53	±9.6
0.449	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FDO	7.51	±9.6
0.450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
0.451	AAB	W-CDMA (BS Test Model 1, 84 DPCH, Cloping 44%)	WCOMA	7,59	+9.6
0453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	+9.6
0.456	AAC	EEE 802.11ac WFI (160 MHz, 64-QAM, R9pc duty cycle)	WEAN	8.63	±8.6
0.457	AAB	UMTS-FDD (DC-HS0FA)	WCOMA	8.82	±9.6
0.458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	=9.6
0.458	AAA	CDMA2000 (TxEV-DO, Rev. B, 3 carrient)	CDMA2000	11.25	+9.6
0.460	AAB	UMTS-FDD (WCDMA, AMR)	1. The second	11000	
0461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subtrame-2,3,4,7,8,9)	WCDMA	2,39	:9.6
0462	AAG		LTE-TDD	7.82	1.0,6
	and the second se	LTE-TDD (SC-FDMA, 1 R8, 1.4 MHz, 16-QAM, UL Subhame=2,3,4,7,5,9)	LTE-TOD	8.30	±9.6
0463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TD0	8,56	+9,6
0.464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE/TOD	7.82	±9.6
0465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM, UL Subkame+2,3,4,7,8,9)	LTE-TDD	8.32	+9.0
0466	AAD	LTE-TDD (SC-FDMA, 1 PB, 3MHz, 64-QAM, UL Subliame-2.3,4,7,8,9)	LTE-TDD	8.57	19.6
0467	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TDD	7.82	+9.6
0468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM, UL Subframe-2.3.4,7.8.9)	LTE-TDD	8.32	
0469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subhame+2,3,4,7,8,9)		1120	±9.6
			LTE-TDD	8.56	±9.0
0470	AAG	LTE-TDD (SC-FDMA, 1 RB. 10 MHz, QPSK, UL Subfigme=2,3,4,7,8,9)	LTE-TOD	7.82	土日,日
0471	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe-2,3,4,7,8,8)	LTE-TOD	8.32	±9.6

Certificate No: EX-7751_Oct23

Page 14 of 22





October 06, 2023

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-TDO (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subtrame-2,3,4,7,8,9)	LTE-TOD	7.82	±8.0
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-CAM, UL Subframe=2.3,4,7,8,9)	LTE-TDD	8.32	±9.6
0475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-CAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.57	±9.8
0477	EAA .	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 18-QAM, UL Sobframe=2,3,4,7,8,9)	LTE-TOD	8.32	±0.6
0478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subhamev2.3,4,7.6,9)	LTE-TDD	8.87	+8.6
0479	AAC .	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe-2.3,4,7 8.8)	LTE-TOD	7.74	±8.6
0480	AAC	LTE-TOD ISC-FDMA, 50% RB, 1,4 MHz, 16-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.18	+9.6
0.481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE TOD	8.45	19.6
0482	AAD	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, OPSK, UL Subframe=2.3.4,7.8.9)	LTE-TOD	7.71	±0.6
0480	AAD	LTE-TOD (SC-FDMA, 90% RB, 3 MHz, 16-QAM, UL Subtrame-2.3.4.7.8.9)	LTE-TDD	8.99	±8.6
0.484	AAD	LTE-TDD ISC-FDMA, 50% FIB, 3 MHz, 54-QAM, UL Subframe-2,3.4.7.8.9	LTE-TDD	8.47	±9.6
0.485	AAG	LTE-TDD (SC-FDMA, 50% FIB, 5 MHz, OPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDO	7.59	±0.0
0.488	AAG	LTE-TOD (SC-FOMA, 50% RB, 5 MHz, 16-QAM, UL Subtrame-2,3,4,7,8,9)	LTE-TDO	8.38	+0.6
0.487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subtrante-2,3,4,7,8,9)	LTE-TDD		and the second se
0.488	AAG	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, GPSK, UL Subhamau2.3,4,7,8,9)		8.60	±8.6
0.489	AAG		LTE-TOD	7.70	±8.6
		LTE-TOD (SC-FDMA, 60% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
0490	AAG	LTE-TDD ISC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TOD	8.54	±9.6
0491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, OPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7,74	±0.0
0.482	AAF	LTE-TOD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subhame-2,3,4,7,8,9)	LTE-TOD	8.41	20.6
0.493	AAF	LTE-TOD (SC-FDMA, 55% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
0.494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, GPSK, UL Subframe=2.3,4,7,8,9)	LTE-TDD	7.76	±9.6
0.495	AAG	LTE-TDD (SC-FDMA, 50% AB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.37	±9.6
0498	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
0497	AAC .	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3.4,7,8,9)	LTE-TDD	7.67	#B.6
0.498	AAC	LTE-TOD (SC-FDMA, 100% R8, 1.4MHz, 18-QAM, UL Subframe=2.3.4,7.8.9)	LTE-TDD	8,40	+8.8
0400	AAC	LTE-TDD (SC-FDMA, 100% FIB, 1.4 MHz, 64-QAM, UL Subframe-2.3,4,7,8,9)	LTE-TDD	8.68	±9.6
0.900	AAD	LTE-TOD (SC-FDMA, 100% R8, 3 MHz, OPSK, UL Subhame-2,3,4,7,8,9)	LTE-TDO	7.67	+0.0
0501	AAD	LTE-TDD (SC-FDMA, 100% R8, 3MHz, 16-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TDD	8.44	29.6
0.502	AAD	LTE-TDD (SC-FDMA, 100% R8, 3MHz, 64-QAM, UL Biddramev2.3.4,7,8.9)	LTE-TDO	8.52	#1.6
0.503	AAG	LTE-TDD (SC-FDMA, 100% R8, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDO	7,72	±9.0
0.504	AAG	LTE-TDD (SC-FDMA, 100% FI8, 5MHz, 10-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.31	
0.505	AAG	LTE-TDD (SC-FDMA, 100% FIB, 5MHz, 64-QAM, UL, Subframe-2.3,4,7,8,9)	the second se	and the second se	±9.6
0.506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10MHz, OPSK, UL Subhame-2.3.4,7,8,9)	LTE-TOD	8.54	±0.6
0.507	AAG		LTE-TDO		10.6
9508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-GAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.36	1.9.6
0.509	AAF	LTE-TDD (SC-FDMA, 100% R8, 10 MHz, 64-GAM, UL Subframe-2,3,4,7,8,9)	LTE-TOD	8.55	±8.6
		LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subhame~2,3,4,7,8,9)	LTE-TOD	.7.99	±8.0
0510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-GAM, UL Subhame-2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
0511	AAF	LTE-TOD (SC-FDMA, 100% RB, 15 MHz, 54-QAM, UL Subtrame-2,3,4,7,8,9)	LTE-TOD	8.51	±9.6
0512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe-2,3,4,7,8,9)	LTE-TOD	7.74	±9.fi
0613	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subtrame-2,3,4,7,8,9)	LTE-TDD	8.42	±8.fi
0514	AAG	LTE-TDD (SC-FDMA, 100% RB, 28 MHz, 84-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.45	±9.8
0515	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 98pc duty cycle)	WLAN	1.58	±0.6
0816	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	AAC	IEEE 802.11e/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	19.6
9519	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
0629	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	+8.6
1521	AAC	IEEE 802.11a/r WIFI 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.07	+9.6
3522	AAC	IEEE S02,11a/h WIFI 5 GHz (OFDM, 36 Mops, 99pc duty cycle)	WLAN	8.45	±9.6
0523	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 48 Mops, 99pc duty cycle)	WLAN	8.08	±9.6
0524	AAC	IEEE 802.11a/tr WIFI 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.06	±8.6
1525	AAC	IEEE 602.11as WIFI (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.36	
0526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN		±9.6
0527	AAC	IEEE 802 11ac WFI (20 MHz, WCS1, 99pc duty cycle)		8.42	±9.0
528	AAC	IEEE 802 114c WFI (20 MHz, MUS2, 98pc duty cycle) IEEE 802 114c WFI (20 MHz, MCS3, 99pc duty cycle)	WLAN	8,21	±9.6
1529	AAC		WLAN	0.36	19.6
15259	AAC	IEEE 002.11ac WIFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	::9.6
1532	AAC	IEEE 802 11ac WFI (20 MHz, MCS6, 96pc duty cycle)	WLAN	8.43	19.6
		SEEE 802.11ac WIFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
0.533	AAC	IEEE 802.11ac WFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
1534	AAC	IEEE 802 11ac WFI (40 MHz, MCS0, 98pc duty cycle)	WLAN	8,45	±9,6
0535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
0536	AAC	IEEE 802.11ac WIFI (40 MHz, MC52, 99ps duty cysle)	WLAN	8.32	±9.6
9537	AAC	IEEE 802.11ac WIFI (40 MHz, MC53, 99pc duty cycle)	WLAN	6.44	+9,8
8636	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	+9.6
540	AAG	IEEE 802.11ac WIFI (40 MHz, MCS6, 98pc duty cycle)	WLAN	8.39	+9.6

Certificate No: EX-7751_Oct23

Page 15 of 22



October 06, 2023

UID	Ber	Communication System Name	Group	PAR (118)	Unc ^E # =
10541	AAC	IEEE 802:11ac WiFi (40 MHz, MC57, Illips duty cycle)	WLAN	8,46	10.6
10542	AAC	IEEE 802.11ac WIFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±8.6
0543	AAG	IEEE 802.11ac WIFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
0544	AAC	IEEE 802.11ac WIFI (80 MHz, MCS0, 98pc duty cycle)	WLAN	8.47	+9.6
0545	AAC	IEEE 800 11ac WiFi (80 MHz, MCS1, 90ac duty cycle)	WEAN	8.55	19.6
0546	AAG	IEEE 802.11ac WFI (SOMHz, MCS2, Blbc duty cycle)	WEAN	8.35	+9.6
	AAC		WLAN	5,49	+9.6
0547		IEEE 802.11ac WIFI (80 MHz, MC53, 99pc duty cycle)	1.0000010		
0548	AAC	IEEE 802.11ac WIFI (80 MHz, MCS4, 89pc duty cycle)	WLAN	8.37	±9.6
0550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.38	19.6
0551	AAG	IEEE 802.11ac WIFI (80 MHz, MCS7, 99pc duty cycle)	WEAN	8,50	±9.6
0552	AAC	IEEE 802.11ac WIFI (80 MHz, MCS8, 98pc duty cycle)	WLAN	8.42	±8.6
0553	AAC	IEEE 802.11ac WIFI (80 MHz, MCS9, 89pc duty cycle)	WLAN	8.45	±9.6
0554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	+9.6
0666	AAD	IEEE 802.11ac WFi (100 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
0556	AAD	IEEE 802.11ac WIFI (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	+9.6
0557	AAD	IEEE 802.11ac WIFI (160 MHz, MCS3, 99cc duty cycle)	WLAN	8.52	±9.6
0558	AAD	IEEE 802 11ac WIFI (160 MHz, MCS4, 98pc duty cycle)	WLAN	8.61	+9.6
0560	AAD	EEE 802,11ac WFI (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
0561	AAD	IEEE 802,11ac WiFI (160 MHz, MCS7, 99pc duty cycle)	WLAN	8,56	+9.6
0562	AAD	IEEE 802.11ac WIFI (160 MHz, MCS8, 99pc duty cycle)	WLAN	0.69	±9.6
0.563	AAD	IEEE 802.11ac WIFI (160 MHz, MCIS9, 99pc duty cycle)	WLAN	8.77	±9.6
0564	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9Mbps, 99pc duty cycle)	WLAN	8,25	±9.6
0565	AAA	IEEE 802.11g W/Fi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8,45	+9.6
0566	AAA	IEEE 802 11g WFI 2.4 GHz (DSSS-OFDM, 18 Mbps, (99pc duty cycle)	WLAN	8.13	±8.6
0567	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	+9.6
0588	AAA	IEEE 802,11g WIPI 2.4 GHz (DSSS-OFDM, 3E Mbps, 95pc duty cycle)	WLAN	8.37	+9.6
0580	AAA	IEEE 802.11g WFI 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, 99pc duty cycle)	WEAN	8.30	±9.6
0571	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.0
0572	AAA	IEEE 802.11b WIFI 2.4 GHz (OSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.00	±9.6
0573	AAA	IEEE 802.116 WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)			
inside between	and the second		WLAN	1,98	+9.6
0574	AAA	IEEE 802.11b WIFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WEAN	1.98	±9,6
0675	AAA	IEEE 802.11g WIR 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	土泉市
0578	AAA	IEEE 602.11g WIF 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	太9.6
0577	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
0578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mops, 90pc duty cycle)	WEAN	8.49	±9.6
0579	AAA	IEEE B02.11g WIFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	+9.6
0580	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.0
0.581	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	+9.0
5820	AAA	IEEE 802.11g W/Fi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	+9.6
0583	AAC	IEEE 802.11mh WIFI & GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	+9.6
0584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cyttle)	WLAN	8.60	+9.0
0585	AAG	IEEE 802.11 wh WFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	19.6
0.588	AAG	IEEE 802.11a/h WFI 5 GHz (OFDM, 18 Mbps, 50pc duty cycle)	WLAN	8.49	+9.6
0.587	AAG	IEEE 802.11wh WiFI 5 GHz (OFDM, 18 Mops, 90pc duty cycle)	WLAN		
0588	AAC	HERE 609 11 to WE COLD (DEDA 90 Bus 90 to 4 to 100		8.36	±9.6
0589	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 36 Mops, 90pc duty cycle)	WLAN	8.78	±9.6
		IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±8.6
0.690	AAG	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	6.67	±9,8
0.591	AAG	IEEE 602.11n (HT Mixed, 20 MHz, MC30, 60pc duty cycle)	WLAN	8.63	±9.6
1592	AAC .	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	0,79	±9,6
0.593	AAC.	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	0.64	±9.6
0.504	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
0.596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	+9.6
3 596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
0.597	AAC	IEEE 802 11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	1.9±
892.0	AAC	IEEE 802 11n (HT Mixed, 20 MHz, MCS7, 90pp 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
0000	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	+9.6
8601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)		111771	
0.602	AAC		WLAN	8.82	±9.6
		EEE 802.11n (HT Mixed, 40 MHz, MCS3, 80pc duty cycle)	WLAN	8.94	+9.6
803	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
0.604	AAC	EEE 802.11n (HT Maxed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	5.6±
0.605	AAC.	EEE 802.11n (HT Mixed, 40 MHz, MCS8, 80pc duty cycle)	WLAN	8.97	±9.6
0606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	19.6
9607	AAC	IEEE 802.11 ac WIFI (20 MHz, MCS0, 90pc duty cycle)	WEAN	8.64	±9.6
9030	AAC	IEEE 802.11ac WIFI (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±5.8

Certificate No: EX-7751_Oct23

Page 16 of 22



October 06, 2023

UID	Rev.	Communication System Name	Group	PAR (dB)	Unc ^E R =
10.609	AAC	IEEE 802.11ac WFI (20 MHz, WCS2, 90pc duty cycle)	WEAN	8.57	±8.6
10610	AAC	IEEE 802.11ac WIFI (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±8.8
10611	AAC	IEEE 802.11ac WIFI (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.0
0612	ANC	IEEE 802.11ac WIFi (20 MHz, WCS5, 90pc duty cycle)	WLAN	8.77	+9.6
0613	AAC	IEEE 802.11ac WFI (20 MHz, MC58, 90pc duty cycle)	WLAN	8.94	+9.6
0614	AAC	IEEE 802.11ac WFI (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
0615	AAC	EEE 802.11ac WFI (20 MHz, WCS3, 90pc duty cycle)	WLAN	8.82	+9.6
0616	AAC	IEEE 802.11ac WiFi (40 MHz, WC38, 50c duty cycle)	WLAN	8.82	
	AAC				±9.6
0617	and the second second	IEEE 802 11ac WIFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
0.618	AAC	IEEE 802.11an WFI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
0.619	AAC	IEEE 802 11ac WIFI (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±8.6
0.620	AAC	IEEE 602 11ao WFI (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.67	±9.6
0.621	AAC	IEEE 802 11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0.635	AAG	IEEE 802.11ac WIFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.68	±9.6
0.653	AAC	IEEE 802.11ac WIFI (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
0.624	AAC	IEEE 802.11ar/WFI (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.8
0.625	AAC	IEEE 802.11ac WIFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
0.626	AAC	IEEE 802.11sc WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
0.627	AAC	IEEE 802.11an WIFI (80 MHz, MCS1, 90pc duty cycle)	WEAN	6.88	±8.6
653-0	AAC	IEEE 802.11ac WIFI (80 MHz, MCIS2, 90pc duty cycle)	WLAN	8.71	±9.6
629.0	AAC	IEEE 602.11ac WFI (60 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
0.630	AAC	IEEE 802.11ac WFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
0.631	AAC	IEEE 802.11ac WFI (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
0.032	AAC	IEEE 802 11ac WFI (80 MHz, MCB6, 90pc duty nycle)	WLAN	8,74	±8.0
0.633	AAC	IEEE 802.11ac WFI (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	29.6
0634	AAC	IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc duty cycle)	WLAN	E.80	19.6
0635	AAC	IEEE 802.11ac WFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	+9.6
0630	AAD	EEE 802.11ac WFI (160 MHz, MCS0, 90pc duty cycle)	WEAN	1.61	
0637	AAD				±9.6
	AAD	IEEE 802.11ac WFI (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
0638	the second second	IEEE 802.11ac WFI (160 MHz, MCS2, 90pc duty cycle)	WLAN	11.86	±9.6
0639	AAD	IEEE 802.11ac WFI (160 MHz, MCS3, 90pc duty cycle)	WEAN	H.85	±96
0640	AAD	IEEE 802.11ac WFI (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
0641	AAD	JEEE 802.11ac WFI (100 MHz, MCS5, 98pc duty cycle)	WLAN	9.06	±9.6
0642	AAD	IEEE 802.11 ac WFI (160 MHz, MCS6, 90pc duty cycle)	WEAN	9.06	±9.6
0643	CAA	IEEE 802.11ac WFI (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	19.6
0644	GAA	IEEE 802.11ac WiFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	19.6
0645	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 80pc duty cycle)	WLAN	9.11	±9.6
0646	AAH	LTE-TDD (SC-FDMA, 1 R8, 5MHz, QPSK, UL Subframe=2,7)	LTE-TOD	11.96	±9.6
0647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subtrame+2,7)	LTE-TDD	11.96	19.6
0648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	+9.6
0652	AAF	LTE-TDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.91	+9.6
0653	AAF	LYE-TDD (OFDMA, 10 MHz, E-TM 3.1, Cloping 44%)	LTE-TDD	7.42	±0.6
0654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Dipping 44%)	LTE-TDD	6.96	±9.6
0655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Oloping 44%)	LTE-TDD	7.21	±9.6
0655	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	+0.6
0650	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	19.6
0880	AAB	Pulse Waveform (200Hz, 40%)	Teat	3.98	±9.6
0661	AAB	Pulae Waveform (200Hz, 60%)	Test	2.22	
0062	AAB	Pulse Waveform (200Hz, 60%)	Test	0.97	±9;6
0.670	AAA	Bluetooth Low Energy			±9.8
3671	AAC	IEEE (I02.11ax (20 MHz, MCS0, 90pc duty cycle)	Biuetooth	2,19	±9.6
1672	AAC		WLAN	8,09	±9.6
or and designed	the state of the s	IEEE 802.11ex (20 MHz, MCS1, 90pc duty cycle)	WLAN	8:57	±9,6
9678	AAC .	EEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	B.78	±9.6
3674	AAC	EEE 802.11 ax (20 MHz, MC83, 90pc duty cycle)	WLAN	8.74	±9.6
3675	AAC	IEEE 802.11m (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
1676	AAG	IEEE 802.11as (20 MHz, MCS5, 90pc duty cycle)	WLAN	8,77	±9.6
0677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WILAN	8.73	¥9.6
1678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90ps duty cycle)	WLAN	8,78	±9.6
1679	AAC	IEEE 802.11 av (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
0680	AAC	IEEE 832.11 ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	19.8
0681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	+9.6
3682	AAC	IEEE 802.11 as (20 MHz, MCS11, 90po duty cycle)	WLAN	8.80	+8.8
0683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
0.684	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26	±9.6
2002	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	+0.6
0685					

Certificate No: EX-7751_Oct23

Page 17 of 22



October 06, 2023

uip	Rev	Communication System Name	Group	PAR (dB)	Uno ^E k =
0.687	AAC	IEEE 802.11 ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
0688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
0.689	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
0691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
0682	AAC	EEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
0683	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
	AAC			8.57	
0694	1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A	IEEE 802.11ax (20 MHz, MC511, 99pc duty cycle)	WLAN	17775	±9.6
0665	AAG	IEEE 802.11 as (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	19.6
0666	AAC	EEE 802.11ax (40 MHz, MOS1, 90pc duty cycle)	WLAN	8,91	±9.6
0697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	1.61	±9.6
0.698	AAC	IEEE 802.11as (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
0.699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	£9.6
0700	AAC	IEEE 802 11 ax (40 MHz, MC55, 90pc duty cycle)	WLAN	8.73	±0.6
0701	AAC	IEEE 882.11ax (40 MHz, MC56, 90pc duty cycle)	WLAN	8,86	±9.6
0702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8,70	±9.6
0703	AAC	IEEE 802 11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
0.704	AAC.	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.56	±9.6
0,705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.89	±8.0
0706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.88	29.6
0707	AAC	IEEE 802.11az (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
0.709	AAC	IEEE 802.11ax (40 MHz, MCS2, 98pc duty cycle)	WLAN	8.33	±9.6
0710	AAC	IEEE 802.11ax (40 MHz, MCS3, 98pc duty cycle)	WLAN	8.29	20.6
0711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	:9.6
0712	AAC	IEEE 802 11 ax (40 MHz, MC55, 99pc duty cycle)	WLAN	8.57	+9.6
0713	AAC	IEEE 802.11 av (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	+9.6
0714	AAC	IEEE 802.1184 (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	
0715	AAC				±8.0
and the second se	And in case of the local division of the loc	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
0715	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
0717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
0718	AAG	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	+9,6
0719	AAG	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.0
0.720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.0
0721	AAC	IEEE 802.11ax (80 MHz, MCS2, 60pc duty cycle)	WLAN	8.76	+9.6
0722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.8
0723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	.8.70	±9.8
0724	AAG	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	土9.6
0725	AAC	IEEE 802.11sx (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
0726	AAC.	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	+0.6
0727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±8.6
0728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
0729	AAC	IEEE 802 11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9:0
0730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	+9.6
0731	AAC	IEEE 802.11ax (80 MHz, MCSO, 99pc duty cycle)	WLAN	8.42	+9.6
0.732	AAC	IEEE 802 11ax (80 MHz, MCS1, BBpc duty cycle)	WLAN	8.45	±9.6
0733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±0.6
0734	AAC	IEEE 802.11ax (80 MHz, MCS3, 98pc duty cycle)	WLAN	8,40	
0735	AAC	IEEE 802.11as (80 MHz, MCS4, 99pc duty cycle)	WLAN		±9.6
0736	AAC	IEEE 802.11ax (80 MHz, MCSS, 99pc duty cycle)		8.33	±9.6
0737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.27	±9.6
0738	AAC	HEEE DOO 11 AM 100 MILE, MUSIC, 2000 CUTY CYCIC)	WLAN	8.36	±9.8
		IEEE 802.11av (60 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
0739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
0740	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8,48	+8.6
0741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.8
0742	AAC	IEEE 802,11ax (B0 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
0743	AAC	IEEE 802.11ax (160 MHz, MCSO, 90pc duty cycle)	WLAN	8,94	+9.6
0744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
0745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8,93	±9.6
0746	AAC.	IEEE 802.11ax (160 MHz, MGB3, 90pc duty cycle)	WLAN	8.11	±9.6
0.747	AAC.	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	#8.8
0748	AAC .	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.93	+9.6
0.749	AAC	IEEE 802 11av (160 MHz, MGS6, 90pc duty cycle)	WLAN	8.90	±9.6
0.750	AAC	IEEE 802.11 ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	19.6
0751	AAC .	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	19.0
0762	AAC	IEEE 802.11 ax (160 MHz, MCS9, 90pc duty cycla)	WLAN	0.02	19.6

Certificate No: EX-7751_Oct23

Page 18 of 22

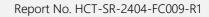


October 06, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E R =
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±0.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.64	+9.6
10.755	AAC	IEEE 862.11ax (160 MHz, MCS0, 98pc duty cycle)	WLAN	8.64	:0.6
0.756	MAG	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	+9.6
0.757	AAC	HEEE B02 11 ax (160 MHz, MCS2, 90pc duty cycla)	WLAN	8.77	±9.6
0.758	AAC	IEEE 802.11ax (160 MHz, MCS3, 95pc duty cycle)	WLAN	8.89	
0759			100000		±0.6
And all the second	AAC	IEEE 002.11ax (100 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	29.6
0760	1.11.00	IEEE 802 11 ax (160 MHz, MCSS, 99pc duty cycle)	WLAN	8.49	±3.6
0761	AAC	EEE 802 11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8,58	±9.6
0.765	AAC	IEEE 802 11 ax (160 MHz, MCS7, 96pc duty cycle)	WLAN	8.49	±9.6
0.763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duly cycle)	WLAN	0.53	±9.0
0764	AAC	IEEE 802.11 ax (160 MMz, MCS9, 99pc duty cycle)	WLAN	8.54	±9.6
0765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
0766	AAC	IEEE 802 11 ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±0.6
0767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	53 NR FR1 TDD	7.99	+9.0
0768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, GPSK, 15 kHz)	5G NR FRI TDD	8.01	±9.6
0769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	19.6
0770	CAA	5G NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.02	+9.6
0771	AAD	50 NR (CP-OFDM, 1 RB, 25 MHz, CPSK, 15 kHz)	5G NR FR1 TDD	8.02	19.6
0772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	0.23	19.6
0773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, CPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
0774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.0 ±9.8
0775	AAD	5G NR (CP-OFDM, 50% RB, 5MHz, CPSK, 15kHz)	53 NR FR1 TDD	and the state in the state of t	
0776	CAA	5G NR (CP-OFDM, 50% RB, 10 MHz, GPSK, 15 kHz)		8.31	1.9.6
0777	AAC		53 NR FR1 TDD	8.30	±9.6
		5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 MHz)	5G NR FRI TDD	8.30	±9,6
0778	AAO	5G NR (CP OFDM, 50% RB, 20MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
0779	AAC	5G NR (CP-OFDM, 50% RB, 25MHz, QPSK, 15kHz)	SG NR FR1 TDD	8.42	±9.6
0780	AAD	5G NR (CP-OFDM, 50% RB, 30MHz, GPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.日
0781	AAD	SG NR (CP-OFDM, 50% R8, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	6.38	19.6
0782	DAA	5G NR (CP-OFDM, 50% RB, 50 MHz, GPSK, 15 kHz)	50 NR FR1 TDD	.8.43	±5.6
0783	AAE	5G NR (CP-OFOM, 100% RB, 5MHz, GPSK, 15kHz)	5G NR FR1 TDD	8.31	±9.6
0784	AAD	50 NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15kHz)	5G NR FR1 T00	8.29	±9.6
0785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	50 NR FRI TDD	8,40	±9.6
6786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK; 15 kHz)	5G NR FR1 TDD	8.35	:3.6
6787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, CPSK, 15 kHz)	5G NR FR1 TDD	H.44	±9.6
0788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FRI TDD	8.39	±9.8
0.789	AAD	5G NR (CP-OFDM, 100% RE, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	+9.6
0790	AAD	50 NR (CP-OFDM, 100% R8, 50 MHz, GPSK, 15 KHz)	5G NR FR1 TDD	8.39	+9.6
0791	AAE	SG NR (CP-OFDM, 1 RB, 5 MHz, OPSK, 30kHz)	5G NR FR1 TDD	7.83	+9.6
0792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	
0793	AAD	5G NR (CP-OFDM, 1 RE, 15 MHz, QPSK, 30 kHz)	53 NR FR1 TDD		±9,8
0794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 KHz)		7.95	±9.6
0796	AAD		5G NR FR1 TDD	7.82	±9.8
0796	AAD	SG NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	7.84	±8,8
0797	AAD	5G NR ICP-OFOM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FRI TDD	7.82	土9.6
	and the second	5G NR (CP-OFOM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.8
0798	AAD	5G NR (CP-OFDM, 1 R9, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7,89	±9.0
0799	AAD	SG NR (CP-OFOM, 1 RB, (0 MHz, QPSK, 30 MHz)	5G NR FR1 TDD	7.93	±9.6
5801	AAD	5G NR (CP-OFOM, 1 RB, 80 MHz, QPSK, 30 MHz)	5G NR FRt TDD	7.89	主号:后
0802	AAD	50 NR (CP-OFOM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.0
0.803	AAD	5G NR (CP-OFOM, 1 RB, 100 MHz, QPSK, 30kHz)	50 NR FR1 TDD	7.93	±0.6
0.805	AAD	5G NR (DP-OFDM, 50% RB, 10 MHz, QPSK, 30kHz)	5G NR FR1 TDD	E.34	+9.6
3,806	AAD	SG NR (CP-OFDM, 50% RB, 15 MHz, CPSK, 30 kHz)	5G NR FR1 TDD	8.37	::0.6
9080	(AAD	5G NR (CP-OFDM, 56% RB, 30 MHz, OP5K, 30 kHz)	5G NR FR1 TDD	E.34	±9.6
3510	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	19.6
9180	AAD	5G NR (CP-OFDM, 50% RB, 80 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	8.35	+9.6
1817	AAE	5G NR (CP-OFDM, 100% R8, 5MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.35	
0618	AAD	50 NR (CP-OFDM, 100% RE, 10 MHz, OPSK, 30 MHz)	5G NR FR1 TDD	8.34	±9.6
0810	AAD	50 NR (CP-OFDM, 100% R8, 15 MHz, QP6K, 30 kHz)	5G NR FRI TDD	the second s	±9.6
0980	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)		8.33	±9.8
0821	AAD	50 NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 Hz)	5G NR FR1 TDD	8,30	+8.6
1921	AAB		5G NR FR1 TDD	8.41	±8.6
_		53 NR (CP-OFOM, 100% RB, 30 MHz, GPSK, 30 kHz)	SG NR FR1 TDD	8.41	±9.6
1823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, OPSK, 30 kHz)	SG NR FR1 TDD	8.36	=9.6
824	AAD	5G NR (CP-OFOM, 100% RB, 50 MHz, GPSK, 30 kHz)	SG NR FR1 TDD	8.39	±9.6
1825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, GPSK, 30 kHz)	5G NH FR1 TDD	8.41	±9.6
1827	AAD	5G NR (DP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	SQ NR FR1 TDD	8,42	19.6
1628	AAD:	5G NR (CP-OFDM, 100% RB, 90 MRz, GPSK, 30 kRz)	50 NR FRI TOD	8.43	10.6

Certificate No: EX-7751_Oct23

Page 19 of 22





Octob		

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
0829	AAD	5G NR (CP-OFDM, 100% R8, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±8.6
06800	DAA.	5G NR (CP-OFDM, 1 R8, 10 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.63	±8.0
0831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 60 kHz)	56 NR FR1 TDD	2,73	±9.8
0.832	AAD	5G NR (CP-OFDM, 1 R8, 20 MHz, QPSK, 60 NHz)	50 NR FR1 TDD	2.74	土泉 6
0833	AAD	5G NR (CP-OFDM, 1 R8, 25 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.70	±9.6
0834	AAD	5G NR (CP-OFOM, 1 RB, 30 MHz, GPSK, 60 kHz)	5G NR FR1 TDD	7.75	19.6
0.835	AAD	5G NR (CP-OFOM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±0.fi
0.836	AAD	50 NR (CP-OFDM, 1 R8, 50 MHz, QPSK, 60 kHz)	5G NR FRI TDD	7.68	±9.8
0.837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 MHz)	5G NR FR1 TDD	7.68	±9.6
0.839	AAD	5G NR (CP-OFOM, 1 RB, 80 MHz, OPSK, 60 kHz)	SG NR FR1 TDD	7.70	+9.8
0.840	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 60 kHz)	5G NR FR1 TDO	7.67	±9.8
0.841	AAD	5G NR (CP-OFDM, 1 R8, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	+8.5
0.843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, OP5K, 80kHz)	5G NR FR1 TDD	8,49	±9.6
0.844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 80 kHz)	50 NR FR1 TDD	8.34	±9.6
0.846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	56-NR FR1 TDO	8.41	±9.6
0.854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 60 kHz)	SG NR FR1 TDD	8.34	±9.6
0 855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.36	+8.6
0.856	AAD	5G NR (CP-OFDM, 100% RB 20 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.37	+9.6
0.857	AAD	5G NR (CP-CFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.35	±9.6
0.856	AAD	5G NR (CP-OFDM, 100% RB, 38 MHz, GPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.0 ±9.0
0.859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, GPSK, 60 kHz)	BG NR FR1 TDD	8.34	±9.0 ±9.6
0.850	AAD	5G NR (CP-OFOM, 100% RB, 50 MHz, GP3K, 60 kHz)	5G NR FR1 TDD	8.34	
0.061	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QP5K, 50 kHz)	SG NR FR1 TDD	8.40	±9.6
0.863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, GP5K, 50 kHz)	50 NR FR1 TDD		±9.0
C-864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, CP5K, 60 kHz)	the second se	8.41	±9.0
A DESCRIPTION OF	and the second second		SG NR FR1 TDO	8.37	±9.8
0.885	AAD	5G NR (CP-CFDM, 100% RB, 100 MHz, CPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
0.966	AAD	SG NR (DFT-s OFDM, 1 RB, 100 MHz, GPSK, 30 NHz)	5G NR FRI TDD	5.68	±9.8
0.868	AAD	5G NR (DFT= OFDM, 100% RB, 100MHz, QPSK, 30 kHz)	56 NR FR1 TDO	6,89	±9,6
0.869	AAE	50 NR (DFT+-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	56 NR FR2 T00	5,75	±9.6
0870	AAE	5G NR (DFT-6-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.88	主身,后
0.871	AAE	5G NR (DFT:s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	6G NR FR2 TDD	5.75	±9.6
0.872	AAE	5G NR (DFT-e-OFDM, 100% R8, 100 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	6.52	±9.6
0.873	AAE	5G NR (DFT-e-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	0.01	±8.0
0.874	AAE	5G NR (DFTs-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.85	29.6
0.875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7,75	±9.6
0876	AAE	5G NR (CP-OFDM, 100% RB, 100MHz, QPSK, 120kHz)	53 NR FR2 TDD	11.39	+9.6
0877	AAE	SG NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
0878	AAE	5G NR (CP-OFDM, 100% R8, 100 MHz, 18GAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.0
8879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 54QAM, 120 kHz)	5G NA FR2 TDD	8.12	±9.6
0880	AAE	SG NR (CP-OFDM, 100% R8, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8,38	±9.6
0881	AAE	5G NR (DFT-6-OFDM, 1 RB, 50 MHz, QPSK, 120kHz)	5G NR FR2 TDD	5.75	±9.6
0885	AAE	5G NR (DFT-p-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±0.0
0.883	AAE	5G NR (DFT-e-OFDM, 1 RB, 50 MHz, 18GAM, 120kHz)	5G NR FR2 TDD	6.57	土泉,6
0884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 150AM, 120 kHz)	5G NR FR2 TDD	6.63	+9.6
0885	AAE	5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120kHz)	5G NR FR2 TDD	6.61	+0.6
0886	AAE	5G NR (DFT-p-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	+9.6
0887	AAE	5G NR (CP-OFDM, 1 R8, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
0888	AAE	BG NR (CP-OFDM, 100% R8, 50 MHz, QPSK, 120kHz)	50 NR FR2 TDD	8.35	±9.6
6890	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	+9.6
0680	AAE	5G NR (CP-OFOM, 100% FB, 50 MHz, 190AM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
0881	AAE	50 NR (CP-OFDM, 1 RB, 50 MHz, 64(2AM, 120 kHz)	5G NR FR2 TDD	8.13	±9.0
3890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 640AM, 120 kHz)	BG NR FR2 TOO	8.41	+9.6
0697	AAC	5G NR (DFT==OFDM, 3 RB, 5 MHz, QPSK, 30kHz)	SG MR FR1 TOD	5.00	+9.6
3898	AAB	50 NR (DFT-s-OFOM, 1 RB, 10 MHz, CPSK, 30 kHz)	5G NR FR1 TDD	5.87	±0.6
9680	AAB	5G NR (DFT=OFDM, 1 RB, 15 MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.67	±0.6
0090	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.68	±8.6
1901	AAB	SG NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	+9.8
2000	AAB	50 NR (DFT-e-OFDM, 1 RB, 30 MHz, QPSK; 30 kHz)	5G NR FR1 TDD	5.68	+9.6
Contraction of	AAB	5G NR (DFT-9-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±0.0 ±9.6
1903	AAB	SG NR (DFTe-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,68	±9.6
		5G NR (DF1 = OF0M, 1 RB, 60 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	5,65	
1088	AAB			0,00	±9.6
8904 0905	AAB		101 ND CD4 1100	5.69	
0903 0904 0905 0906 0906	AAB	5G NR (DFTs-OFOM, 1 RB, B0 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5,68	±9.6
9904 0905 0906 0906 0907	AAB AAC	5G NR (DFTs-OFDM, 1 RB, 80 MHz, QPSK, 30 MHz) 5G NR (DFTs-OFDM, 50% RB, 5 MHz, QPSK, 30 MHz)	5G NR FR1 TDD	5.78	±9.6
8904 0905	AAB	5G NR (DFTs-OFOM, 1 RB, B0 MHz, QPSK, 30 kHz)			

Certificate No: EX-7751_Oct23

Page 20 of 22



October 06, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	UncE k =:
10911	AAB	5G NR (DFTs-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.93	:0.6
0912	AAB	5G NR (DFT-6-OFDM, 59% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	+9.6
0.913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	0.64	::9.6
0914	AAB	5G NR (DIT-s-OFDM, 50% RB, 50 MHz, OPSK, 30 HHz)	5G NR FR1 TDD	5.85	±1.6
0.915	AAB	5G NR (DFT-e-OFDM, 50% RB, 60MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	+9.6
0916	AAB	SG NR (DFT-s-OFDM, 55% RB, 80MHz, OPSK, 30MHz)	5G NR FR1 TDD	5.87	+0.6
0917	AAB	5G NR (DFT 4-OFDM, 59% RB, 100MHz, QPSK, 30 kHz)	56 NR FR1 TDD	5.84	±0.6
0918	AAC	and the second		5.88	
		5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 38NHz)	5G NR FR1 TDD	and the second se	8.92
0.919	AAB	5G NR (DFT-s-OFDM; 100% R8, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.86	+9.6
0.000		5G NR (DFT-8-OFDM, 100% R8, 15MHz, QPSK, 30%Hz)	5G NR FR1 TDD	5.87	±9.6
0.021	AAB	5G NR (DFT-6-OFDM, 100% R8, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±8.0
0 922	AAB	SG NR (DFTe-DFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	53 NR FR1 TDD	5.82	土兒后
0923	BAA	5G NR (OFTs-OFDM, 100% RB, 30 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.84	19.6
0.024	AAB	5G NR (DFTe-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	5.84	19.6
0925	BAA	5G NR (DFT-e-DFDM, 100% RB, 50 MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.95	3.9.6
0926	AAB	5G NB (DFTe-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
0927	AAB	5G NR (DFTs-OFDM, 100% RB, 80 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.0
0928	AAC	5G NR (DFTs-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	主身用
08580	AAC	50 NR (DFT+-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
0680	AAC	5G NR (DFT-6-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	+9.6
0931	AAC	5G NR (DFT=-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±8.6
5680	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	+9.6
0933	AAC	5G NR (DFT-e-OFDM, 1 RB, 30 MHz, OPSK, 15 kHz)	50 NR FR1 FDD	5.51	±9.0
0934	AAC	5G NR (DFT-8-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	£9.8
0935	AAD	5G NR (DFT p-OFDM, 1 R8, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	+9.6
0936	AAC	5G NR (DFTs-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NR FRI FDD	5.90	+9.8
0997	AAC	50 NR (DFT-9-OFDM, 50% RB, 10 MHz, OPSK, 15 kHz)	5G NR FR1 FDD	5.77	+9.0
0938	AAC	5G NR (DFT= OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	+9.0
0839	AAC	5G NR (DFTo OFDM, 50% RB, 20 MHz, OPSK, 15kHz)	5G NR FR1 FDD	5.82	19.8
0940	AAC	5G NR (DFT+-OFDM, 50% RB, 25 MHz, QPSK, 15 Hz)	50 NR FR1 FDD	5.89	
0941	AAC	5G NR (DFT+-OFDM, 50% RB, 30 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.88	±0.6 +9.6
0942	AAC	5G NR (OFT=OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)			
0943	AAD	5G NR (OFT-5-OFDM, 50% RB, 50 MHz, OPSK, 15kHz)	-SG NR FR1 FDD	5.85	±9.0
0944	AAC		5G MR FRI FDD	5.95	±9.0
0945	AAC	5G NR (DFF#-OFOM, 100% RB, 5 MHz, GPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.8
0945	AAC	5G NR (DFT+-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	SG NR FR1 FDD	5.85	±8.8
		5G NR (DFTs-OFDM, 100% RB, 15 MHz, QPSK, 15 HHz)	5G MR FR1 FDO	5.83	±9.6
0947	AAC	50 NR (DFT=-OFDM, 100% RB, 29 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	当9. 後
0948	AAD	50 NR (DFT++OFDM, 100% R8, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FD0	5.94	±9.6
0.949	AAC	5G NR (DFT-6-OFDM, 100% RB, 30 MHz, QPSK, 15 MHz)	5G NR FR1 FDD	5.87	3,6±
0.950	AAC	5G NR (DFT:s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
0.951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
1962	AAA.	5G NR DL (CP-OFDM, TM 3.1, 6 MHz, 64-OAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
E690	AAA	5G NFI DL (CP-DEDM, TM 3.1, 10 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.15	±9.6
0.954	AAA	6G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15hHz)	5G NR FR1 FDD	8.23	+9.6
0.955	AAA	SG NFI DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.42	+9.6
9956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR.FR1 FDD	8.14	+9.6
0.057	AAA	SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30kHz)	50 NR FR1 FDD	8.31	±9.6
0.958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	8.61	19.6
6660	AAA	5G NF DL (OP-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	8.33	+9.6
0990	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	6G NR FR1 TDD	9.32	±9.6
0.061	AAB	5G NR DL (CP OFDM, TM 3.1, 10 MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.36	19.6
2962	AAB	SG NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	SG NR FR1 TOD	9.40	19.6
983	AAB	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)	ISG NR FR1 TDO	9.55	+8.6
964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9,00	+9.6
965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	50 NR FR1 TDD	9.37	and the second se
9996	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	SG NR FR1 TDD	8.55	±9.6 ±9.8
967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-DAM, 30 HHz)	5G NR FR1 TDD		the second s
1988	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	SG NR FR1 TDD	9.42	±9.8
1972	AAB	5G NR (CP-OFOM, 1 R8, 20 MHz, QPSK, 15 kHz)			±9.6
1973	AAB	5G NR (OFTe-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FRI TOD	11.59	±9.6
3974	AAB		5G NR FR1 TDD	9,05	19.6
	AAA	9G NR (CP-OFDM, 100% RB, 100 MHz, 26E-QAM, 30 KHz)	5G NR FR1 TDD	10.28	±9.6
0.078		ULLA BOR	ULLA	1.16	5.6±
0979	AAA	ULLA HDB4	ULLA	8.58	±9.6
0880	AAA	ULLA HORE	ULLA	10.32	+9.6
1981 1982	AAA	ULLA HORp4	ULLA	3.19	±9.6
	AAA.	ULLA HORDB	LILLA	3.43	+0.6

Certificate No: EX-7751_Oct23

Page 21 of 22



October 06, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k=2
10983	AAA	50 NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.31	19.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	0.42	69.6
10985	AAA	5G NR DL (CP-DFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	8.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	19.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.53	+9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	8.38	±9.6
10589	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, B0 MHz, 64-QAM, 30 kHz)	50 NR FRH TDD	9.52	主氛.6
11003	AAA.	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	10.24	49.8
11004	AAA	50 NR DL (CP-OFDM, 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, 25MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.70	±8.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.66	±9.6
11007	AAA	BG NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.48	±9.8
11008	AAA	ISG NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±9.6
11000	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 KHz)	5G NB FR1 FDD	8.76	19,6
11010	AAA	50. 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	8.96	±8.0
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	±9.8
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	8,44	:19.6
11016	AAA,	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8,44	+9.6
11017	AAA.	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8,41	±9.6
11018	AAA,	1EEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	± 9.0
11019	AAA,	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAA,	IEEE B02.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	0.46	±9.6
11022	. A.A.A.	IEEE 802.11be (320 MHz, MCS10, 98pc duty cycle)	WLAN	8.36	£9.6
11023	AAA	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	3.8±
11:024	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	19.6
11025	AAA.	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAA	IEEE 802.11be (320 MHz, MCSO, 89pc duty cycle)	WLAN	8.39	±9.6
11827	AAA	Pulse Waveform (Square, 20me, 10me)	MBI	3.01	±8.0
11028	AAA.	Pulse Waveform (Square, 50 ma, 40 ma)	MBI	0.97	±9.8

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-7751_Oct23

Page 22 of 22



	tion Laboratory & Partner ering AG strasse 43, 8004 Zuri		IIac-MRA	•	S Schweizerischer Kalibrierdien Service suisse d'étalonnage Servizio svizzero di taratura S Swiss Calibration Service		
he Swis	s Accreditation Serv	Itation Service (SAS) rice is one of the signato a recognition of calibratic			Accredi	tation No.: SCS 0108	
lient	HCT Gyeonggi-do, Re	public of Korea		Certificate No.	ES-3	076_Jul23	
CAL	IBRATION CI	ERTIFICATE					
Object		ES3DV3 - SN:30	076				
Calibrat	tion procedure(s)	CONTRACTOR AND A DOMESTIC OF		v10, QA CAL-23 imetric E-field pr		CAL-25.v8	
Calibrat	tion date	July 18, 2023					
		nducted in the closed labors M&TE critical for calibration	뒷에 고려하다.				
	Standards	ID		Certificate No.)		Scheduled Calibration	
Power meter NRP2		SN: 104778 SN: 103244		ar-23 (No. 217-03804/03805) ar-23 (No. 217-03804)		Mar-24 Mar-24	
			and the star star was been at the	OCP-DAK3.5-1249 C		W(31-7.0	
Power s		SN: 1249			ct22)	Oct-23	
Power s OCP D/ OCP D/	AK-3.5 (weighted) AK-12	SN: 1016	20-Oct-22 (OCP-DAK12-1016_O		Oct-23	
Pawer s OCP D/ OCP D/ Referen	AK-3.5 (weighted)	SN: 1016 SN: CC2552 (20x)	20-Oct-22 (30-Mar-23	OCP-DAK12-1016_O(No. 217-03809)	ct22)	Oct-23 Mar-24	
Power s DCP D/ DCP D/ Referen DAE4	AK-3.5 (weighted) AK-12	SN: 1016	20-Oct-22 (30-Mar-23 16-Mar-23	OCP-DAK12-1016_O	ot22) 3)	Oct-23	
Pawer s OCP D/ OCP D/ Referen DAE4 Referen	AK-3.5 (weighted) AK-12 Ice 20 dB Attenuator Ice Probe ES3DV2	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 (OCP-DAK12-1016_O((No. 217-03809) (No. DAE4-660_Mar2) No. ES3-3013_Jan23	ot22) 3)	Oct-23 Mar-24 Mar-24 Jan-24	
Power s DCP D/ DCP D/ Referen DAE4 Referen Second	AK-3.5 (weighted) AK-12 Ice 20 dB Attenuator Ice Probe ES3DV2 ary Standards	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 (Check Date	OCP-DAK12-1016_O((No. 217-03809) (No. DAE4-660_Mar2) (No. ES3-3013_Jan23 (In house)	0122) 3))	Oct-23 Mar-24 Mar-24 Jan-24 Scheduled Check	
Power s OCP D/ OCP D/ Referen DAE4 Referen Second Power n	AK-3.5 (weighted) AK-12 Ice 20 dB Attenuator Ice Probe ES3DV2	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013	20-Oct-22 (30-Mar-23 16-Mar-23 (06-Jan-23 (Check Date 06-Apr-16 (OCP-DAK12-1016 Cx (No. 217-03809) (No. DAE4-680 Mar2) No. ES3-3013 Jan23 (In house) In house check Jun-22	os22) 3)) 2)	Oct-23 Mar-24 Mar-24 Jan-24	
Power s OCP D/ OCP D/ Referen DAE4 Referen Second Power n Power s Power s	AK-3.5 (weighted) AK-12 Ice 20 dB Attenuator Ice Probe ES3DV2 ary Standards meter E44198 Isensor E4412A Isensor E4412A	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41499087 SN: 000110210	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 (Check Date 06-Apr-16 06-Apr-16 (06-Apr-16)	OCP-DAK12-1016 Or (No. 217-03809) (No. DAE4-680 Mar2) No. ES3-3013 Jan23 (In house) In house check Jun-22 In house check Jun-22 In house check Jun-22	2) 2) 2) 2) 2) 2)	Oct-23 Mar-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24	
Power s DCP D/ OCP D/ Referen DAE4 Referen DAE4 Referen Power s Power s Power s RF gen	AK-3.5 (weighted) AK-12 Ice 20 dB Attenuator Ice Probe ES3DV2 ary Standards meter E44198 sensor E4412A ensor E4412A ensor E4412A ensor HP 8648C	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY4149087 SN: 000110210 SN: US3642U01700	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 06-Apr-16 06-Apr-16 06-Apr-16 06-Apr-16 06-Apr-16	OCP-DAK12-1016_O(No. 217-03809) (No. DAE4-680_Mar2: No. ES3-3013_Jan23 (In house) (In house check Jun-22 in house check Jun-22 in house check Jun-22 (In house check Jun-22	2) 2) 2) 2) 2) 2) 2) 2)	Oct-23 Mar-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24	
Power s DCP D/ OCP D/ Referen DAE4 Referen DAE4 Referen Power s Power s Power s RF gen	AK-3.5 (weighted) AK-12 Ice 20 dB Attenuator Ice Probe ES3DV2 ary Standards meter E44198 Isensor E4412A Isensor E4412A	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41499087 SN: 000110210	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 06-Apr-16 06-Apr-16 06-Apr-16 06-Apr-16 06-Apr-16	OCP-DAK12-1016 Or (No. 217-03809) (No. DAE4-680 Mar2) No. ES3-3013 Jan23 (In house) In house check Jun-22 In house check Jun-22 In house check Jun-22	2) 2) 2) 2) 2) 2) 2) 2)	Oct-23 Mar-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24	
Power s OCP D/ OCP D/ Referen DAE4 Referen Second Power s Power s Power s RF gen	AK-3.5 (weighted) AK-12 Ice 20 dB Attenuator Ice Probe ES3DV2 ary Standards meter E44198 sensor E4412A ensor E4412A ensor E4412A ensor HP 8648C	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY4149087 SN: 000110210 SN: US3642U01700	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 (06-Jan-23 (06-Apr-16 (06-Apr-16 (06-Apr-16 (04-Aug-99 31-Mar-14	OCP-DAK12-1016_O(No. 217-03809) (No. DAE4-680_Mar2: No. ES3-3013_Jan23 (In house) (In house check Jun-22 in house check Jun-22 in house check Jun-22 (In house check Jun-22	2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2)	Oct-23 Mar-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24	
Power s OCP D/ OCP D/ Referen DAE4 Referen Second Power s Power s Power s RF gen	AK-3.5 (weighted) AK-12 Ice 20 dB Attenuator Ice Probe ES3DV2 ary Standards meter E44198 Jensor E4412A Jensor E4412A eristor HP 8648C K Analyzer E8358A	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US3642U01700 SN: US41080477	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 06-Jan-23 06-Apr-16 06-Apr-16 06-Apr-16 06-Apr-16 04-Aug-99 31-Mar-14	OCP-DAK12-1016_O(No. 217-03809) No. DAE4-680_Mar2(No. ES3-3013_Jan23 (in house) in house check Jun-2(in house check Jun-2)	2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2)	Oct-23 Mar-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Oct-24	
Power s OCP D/ OCP D/ Referen DAE4 Referen Power s Power s RF gen Network	AK-3.5 (weighted) AK-12 Ice 20 dB Attenuator Ice Probe ES3DV2 ary Standards meter E44198 Jensor E4412A Jensor E441	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41499087 SN: 000110210 SN: 000110210 SN: US41080477 SN: US41080477	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 (06-Apr-16 (06-Apr-16 (06-Apr-16 (04-Aug-99 31-Mar-14 Fun Lab	OCP-DAK12-1016_O(No. 217-03809) (No. DAE4-680_Mar21 No. ES3-3013_Jan23 (In house check Jun-22 in house check Jun-22 in house check Jun-22 (In house check Jun-22)	2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2)	Oct-23 Mar-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Oct-24	
Power's OCP D/ OCP D/ Referen DAE4 Referen Second Power's Power's RF gen Network	AK-3.5 (weighted) AK-12 los 20 dB Attenuator los Probe ES3DV2 ary Standards neter E44198 lensor E4412A lensor E4412A lensor E4412A erator HP 8648C k Analyzer E8358A ted by ed by	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US3642U01700 SN: US41080477 Name Jetfrey Katzman	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 06-Jan-23 06-Apr-16 06-Apr-16 06-Apr-16 06-Apr-16 04-Aug-99 31-Mar-14 Fun Lab	OCP-DAK12-1016_O(No. 217-03809) (No. DAE4-680_Mar21 No. ES3-3013_Jan23 (In house check Jun-22 in house check Jun-22 in house check Jun-22 (In house check Jun-22) (In house check Jun	ct22) 3)) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2)	Oct-23 Mar-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Oct-24	
Power's OCP DM Referen DAE4 Referen Second Power's Power's RF gen Network	AK-3.5 (weighted) AK-12 los 20 dB Attenuator los Probe ES3DV2 ary Standards neter E44198 lensor E4412A lensor E4412A lensor E4412A erator HP 8648C k Analyzer E8358A ted by ed by	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41496087 SN: 000110210 SN: US442001700 SN: US442001700 SN: US442001700 SN: US41080477	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 06-Jan-23 06-Apr-16 06-Apr-16 06-Apr-16 06-Apr-16 04-Aug-99 31-Mar-14 Fun Lab	OCP-DAK12-1016_O(No. 217-03809) (No. DAE4-680_Mar2(No. ES3-3013_Jan23 (In house) In house check Jun-22 In house check Jun-22 (In house check Oct-22 ction oratory Technician	ct22) 3)) 2) 2) 2) 2) 2) 2) 2) 2) 5i 3i 5i 5i 5i 5i 5i 5i 5i 5i 5i 5	Oct-23 Mar-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Oct-24 gnature Jun-24 Sued: July 18, 2023	
Power's OCP D/ OCP D/ Referen DAE4 Referen Second Power's Power's RF gen Network	AK-3.5 (weighted) AK-12 los 20 dB Attenuator los Probe ES3DV2 ary Standards neter E44198 lensor E4412A lensor E4412A lensor E4412A erator HP 8648C k Analyzer E8358A ted by ed by	SN: 1016 SN: CC2552 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41496087 SN: 000110210 SN: US442001700 SN: US442001700 SN: US442001700 SN: US41080477	20-Oct-22 (30-Mar-23 16-Mar-23 06-Jan-23 06-Jan-23 06-Apr-16 06-Apr-16 06-Apr-16 06-Apr-16 04-Aug-99 31-Mar-14 Fun Lab	OCP-DAK12-1016_O(No. 217-03809) (No. DAE4-680_Mar21 No. ES3-3013_Jan23 (In house check Jun-22 in house check Jun-22 in house check Jun-22 (In house check Jun-22) (In house check Jun	ct22) 3)) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2) 2)	Oct-23 Mar-24 Mar-24 Jan-24 Scheduled Check In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Oct-24	

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



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



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

Accreditation No.: SCS 0108

S

S

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 @	@ rotation around probe axis
Polarization $\hat{\sigma}$	# rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., &= 0 is normal to probe axis

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

Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices - Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) KD8 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization 8 = 0 (I ≤ 900 MHz in TEM-pell; I > 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).

Certificate No: ES-3076 Jul23

Page 2 of 21



July 18, 2023

Parameters of Probe: ES3DV3 - SN:3076

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc $(k = 2)$
Norm (µV/(V/m) ²) A	1.21	1.24	1.18	±10.1%
DCP (mV) B	106.0	105.0	104.0	±4.7%

Calibration Results for Modulation Response

מוט	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	209.5	±3.0%	±4.7%			
		Y	0.00	0.00	1.00		208.5		1			
		Z	0.00	0.00	1.00	-	199.2	· · · ·				
10352	Pulse Waveform (200Hz, 10%)	X	12.55	85.70	23.45	10.00	60.0	±1.6%	±9.6%			
	A 51.855	Y	12.36	85.52	23.29		60.0					
		Z	14.22	87.77	23.67	1	60.0					
10353	Pulse Waveform (200Hz, 20%)	X	20.00	94.07	24.61	6.99	80.0	±2.5%	±9.6%			
		Y	20.00	94.11	24.55	1. 80.81	80.0	517.0.01				
		Z	20.00	93.40	23.84		80.0					
10354	Pulse Waveform (200Hz, 40%)	X	20.00	95.82	23.46	3.98	95.0	±3.7%	±9.6%			
	1.5 (Mag Constraint) - 5 (Mag Constraint) - 5 (Mag Constraint)	Y	20.00	96.10	23.57		95.0					
		2	20.00	94.83	22.58		95.0					
10355	Pulse Waveform (200Hz, 60%)	X	20.00	99.55	23.57	2.22	120.0	±3.9%	±3.9%	±3.9%	±3.9%	±9.6%
		Y	20.00	100.53	24.06		120.0					
		Z	20.00	97.63	22.25		120.0					
10387	QPSK Waveform, 1 MHz	X	1.96	67.22	16.17	1.00	150.0	±2.5%	±2.5%	±9.6%		
		Y	2.02	68.40	16.83	1 North	150.0	233.041	122241(1/1/			
		Z	1.76	66.00	15.20	·	150.0					
10388	OPSK Waveform, 10 MHz	X	2.71	70.78	17.03	0.00	150.0	±1.0%	±9.6%			
		Y	2.87	72.05	17.80		150.0					
		Z	2.37	68.73	15.94		150.0					
10396	64-QAM Waveform, 100 kHz	X	4.51	75.83	21.27	3.01	150.0	±0.6%	±9.6%			
		Y	4.70	77.67	22.25		150.0					
		Z	3.75	72.58	19.73	1	150.0					
10399	64-QAM Waveform, 40 MHz	X	3.67	67.81	16.18	0.00	150.0	±1.8%	±9.6%			
	and a second data was a second to the second line	Y	3.74	68.30	16.53	10000	150.0		105 Shrif			
		Z	3.60	67.47	15.91	1	150.0					
10414	WLAN CCDF, 64-QAM, 40 MHz	X	5.05	65.79	15.64	0.00	150.0	±3.8%	±9.6%			
	and a second	Y	5.07	66.04	15.84	1	150.0	and a state of the				
		Z	5.02	65.86	15.63	1	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).

^{II} 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: ES-3076_Jul23

Page 3 of 21



July 18, 2023

Parameters of Probe: ES3DV3 - SN:3076

Sensor Model Parameters

	C1 IF	C2 fF	и V ⁻¹	T1 msV ⁻²	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
х	69.3	493.88	35.07	29.81	3.34	5.10	0.66	0.66	1.01
y I	63.3	451.09	35.12	29.79	3.18	5.10	1.05	0.51	1.01
Z	60.7	436.50	35.52	29.40	2.83	5.10	0.34	0.69	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	145.0°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	2 mm
Probe Tip to Sensor Y Calibration Point	2 mm
Probe Tip to Sensor Z Calibration Point	2 mm
Recommended Measurement Distance from Surface	3 mm

Certificate No: ES-3076_Jul23

Page 4 of 21



July 18, 2023

Parameters of Probe: ES3DV3 - SN:3076

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)
6	55.0	0.75	5,33	5.33	5.33	0.00	1.00	±13.3%
13	55.0	0.75	5.80	5.80	5.80	0.00	1.00	±13.3%
750	41.9	0.89	6.37	6.37	6.37	0.40	1.64	±12.0%
835	41.5	0.90	6.11	6.11	6.11	0.62	1.28	±12.0%
900	41.5	0.97	5.98	5.98	5.98	0.66	1.25	±12.0%
1450	40.5	1.20	5.53	5.53	5.53	0.34	1.71	±12.0%
1750	40.1	1.37	5.35	5.35	5.35	0.74	1.11	±12.0%
1900	40.0	1.40	5.05	5.05	5.05	0.80	1.13	±12.0%
2300	39.5	1.67	5.00	5.00	5.00	0.53	1.47	±12.0%
2450	39.2	1.80	4.81	4.81	4.81	0.73	1.31	±12.0%
2600	39.0	1.96	4.59	4,59	4.59	0.80	1.27	±12.0%

^C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz. ^F The probes are calibrated using tissue simulating liquids (TSL) that deviate for *c* and *o* by less than ±5% from the target values (typically befor 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.

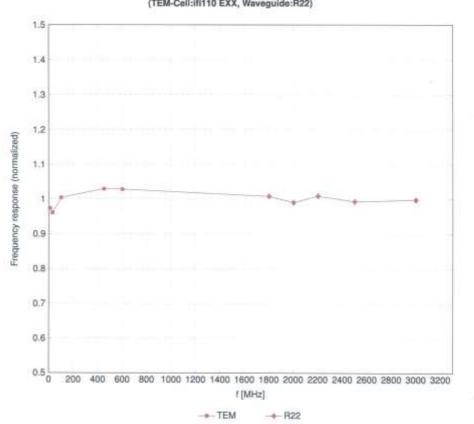
^G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less. than ±1% for frequencies below 3 GHz and below ±2% for frequencies between 3–6 GHz at any distance larger than half the probe tip diameter from the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

Certificate No: ES-3076_Jul23

Page 5 of 21



July 18, 2023



Frequency Response of E-Field

(TEM-Cell:ifi110 EXX, Waveguide:R22)

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

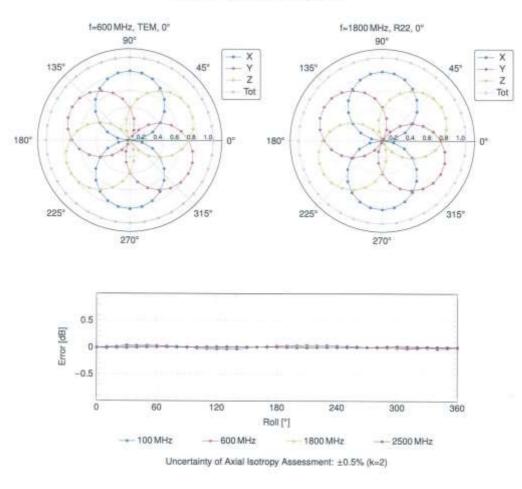
Certificate No: ES-3076_Jul23

Page 6 of 21

July 18, 2023



ES3DV3 - SN:3076



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

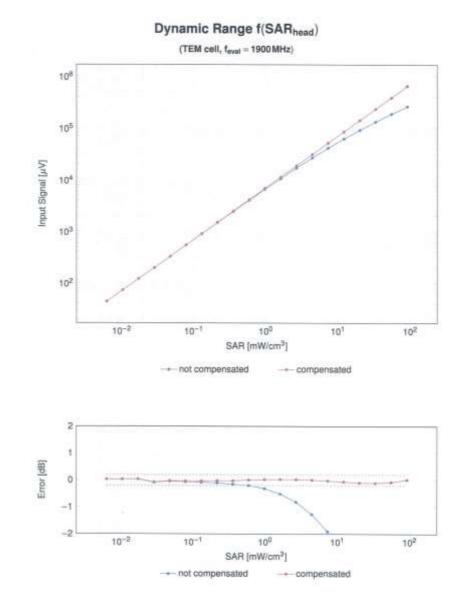
Certificate No: ES-3076_Jul23

Page 7 of 21

July 18, 2023



ES3DV3 - SN:3076



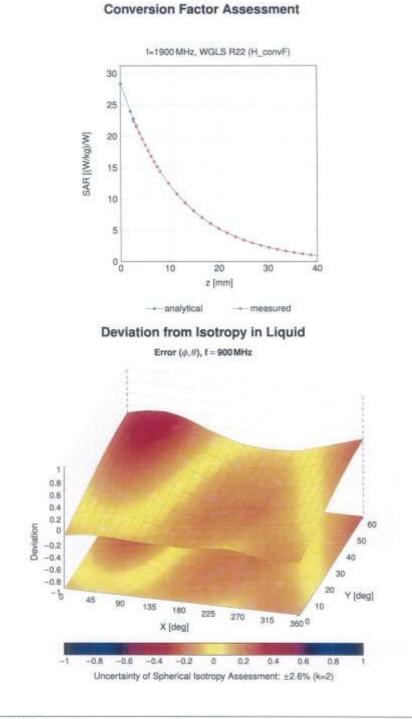
Uncertainty of Linearity Assessment: ±0.6% (k=2)

Certificate No: ES-3076_Jul23

Page 8 of 21



July 18, 2023



Certificate No: ES-3076_Jul23

Page 9 of 21



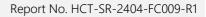
July 18, 2023

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
0.011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
0012	CAB	IEEE 802.11b WIFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.8
0013	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
0.021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
0023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
0.024	DAC	GPRS-FDD (TOMA, GMSK, TN 0-1)	GSM	6.56	±9.6
0.025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	OSM	12.62	29.6
0.026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
0027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4:80	±9.6
0028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	19.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetoath	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DOPSK, DH1)	Bluetooth	7.74	±9.6
10034	GAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	19.6
10035	GAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Biuetooth	8.01	19.6
10036	CAA	EEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10037	CAA	EEE 802.15.1 Bluetooth (8-DPSK, DH5)		4.10	±0.0 ±9.6
	CAB		Bluetooth CDMA2000	4.10	and a second
10030		CDMA2000 (1xRTT, RC1)	1.0000000000000000000000000000000000000		±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS AMPS	7.78	±9.6 ±9.6
10044	and the rest lines.	IS-91/EIA/TIA-553 FDD (FDMA, FM)	and the Print Party of the Print		1000
10048	CAA	DECT (TDD, TDMA/FDM, GF5K, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10:058	DAC	EDGE-FDO (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	±9.6
10060	CAB	IEEE 802.11b WIFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	29.6
10062	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	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	±9.6
10065	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±8.6
10067	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	19.6
10069	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	:±9.6
10071	CAB	IEEE 802.11g WFI 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	19.6
10072	CAB	IEEE 802.11g W/Fi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WFI 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g W/Fi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	19.6
10076	CAB	IEEE 802.11g WFI 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WIF) 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	19.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	19.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, Pl/4-DQPSK, Fullrate)	AMPS	4,77	19.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	19.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	19.6
10098	CAC	UMTS-FDD (HSUPA) UMTS-FDD (HSUPA, Subtest 2)	WCOMA	3.98	19.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	12122	in the second seco
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, GPSK)	LTE-FOD	5.67	±9.6
10101	CAF		The second	1000	±9.6
design and the second	and the second	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-DAM)	LTE-FOD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	29.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TOD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-FOD	5.75	±9.6
10111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 18-QAM)	LTE-FDD	6.44	±9.6

Certificate No: ES-3076_Jul23

Page 10 of 21



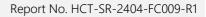


July 18, 2023

aiu	Bev	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
0113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	8.62	±9.6
0114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
0115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
0116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
0117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
0118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
0119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
0140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	LTE-FDD	6.49	±9.6
0141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
0142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	19.9
0143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	3.8±
0144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6,65	±9.6
0145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDO	5.76	9.9±
0146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	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
0149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
0150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FOD	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	±9.8
0154	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, 18-QAM)	LTE-FDD	6.43	±9.6
0156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FOD	5.79	±9.6
0157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 18-QAM)	LTE-FDD	6.49	±9.6
0158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
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-FDD	5.82	±9.6
0161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	8.43	29.6
0162	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QP5K)	LTE-FDD	8.58 5.46	±9.6
0167	CAG	LTE-FOD (SC-FOMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.40	+9.6
0168	CAG	LTE-FOD (SC-FOMA, 50% RB, 1.4 MHz, 64 QAM)	LTE-FDD	12.20	±9.6
10169	CAF	LTE FOD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.79	29.6
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	19.6
10172	CAH	LTE-TOD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TOD	9.21	19.6
10173	CAH	LTE-TOD (SC-FDMA, 1 FIB, 20 MHz, 16-QAM)	LTE-TOD	9.48	19.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	19.6
10176	CAH	LTE-FDD (SC-FDMA, 1 R8, 10 MHz, 16-QAM)	LTE-FDD	6.52	19.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
1017B	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-FOD	6.52	19.6
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, 64-QAM)	LTE-FDD	8.50	±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	19.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 84-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
0185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	29.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FDD	8.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
0188	CAG	LTE-FDD (SC-FDMA, 1 R8, 1.4 MHz, 16 QAM)	LTE-FDD	6.52	29.6
0189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0183	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
0194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
0195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
0196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
0197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
0198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
0219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
0220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
0.221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
0.222	CAD	IEEE 602.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
0.223	CAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
0224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64 QAM)	WLAN	8.08	±9.6

Certificate No: ES-3076_Jul23

Page 11 of 21



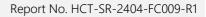


July 18, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10225	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-TDO (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	19.6
0228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
0,229	CAE	LTE-TDD (SC-FDMA, 1 RB. 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
0230	CAE	LTE-TDD (SC-FDMA, 1 FIB, 3 MHz, 64-QAM)	LTE-TDD	10.25	19.6
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-TDO (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	19.6
0234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TOD	9.21	±9.6
0236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	9.48	+9.6
0236	CAH	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
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-TDD	9,48	:9.6
0239	CAG	LTE-TOD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-TDD	10.25	19.6
0240	CAG	LTE-TOD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-TDD	9.21	19.6
0241	CAC	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, 18-QAM)	LTE-TDD	9.82	19.6
0242	CAC	LTE-TOD (SC-FDMA, 50% R8, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	19.6
0243	CAC	LTE-TOD (SC-FDMA, 50% R8, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
0244	CAE	LTE-TOD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-TDD	10.06	±9.6
0245	CAE	LTE-TDD (SC-FOMA, 50% R8, 3 MHz, 64-QAM)	LTE-TDD	10.06	19.6
0246	CAE	LTE-TDD (SC-FOMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	±9.0 ±9.6
0247	CAH	LTE-TOD (SC-FOMA, 50% R8, 5MHz, 16-QAM)	LTE-TOD	9.90	19.6
0248	CAH	LTE-TOD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD		
0249	CAH	LTE-TOD (SC-FDMA, 50% RB, 5MHz, 0PSK)	LTE-TDO	10.09	±9.6
8250	CAH	LTE-TOD (SC-FDMA, 50% R8, 10 MHz, 18-QAM)		9.29	£9,6
0251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	9.81	±9.6
0252	CAH		LTE-TDD	10.17	±9.8
0252	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TOD	9.24	±9.6
An and a fail of the	and address of the	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	±9.6
0.254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TOD	10.14	±9.6
0255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TOD	9.20	±9.6
and the state of t	CAG	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDO	9.96	±9.6
0.257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TOD	10.08	±9.6
0258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TOD	9.34	±9.8
0259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TOO	9.98	±9.6
0260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 84-QAM)	LTE-TOD	9.97	±9.6
0261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, OPSK)	LTE-TOD	9.24	±9.6
0.262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TOD	9.83	±9.8
0263	CAH	LTE-TOD (SC-FDMA, 100% RB, 5MHz, 64-QAM)	LTE-TDD	10.16	±9.6
0,264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, OPSK)	LTE-TOD	9.23	±9.6
0.265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	±9.5
0286	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TOD	10.07	±9.6
0.267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
0268	CAG	LTE-TDD (SC-FDMA, 100% RB, 16 MHz, 16-QAM)	LTE-TDD	10.06	±9.0
0.269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM)	LTE-TDO	10.13	±9.8
0270	CAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)	LTE-TOD	9.58	±9.6
0274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	±9.8
0275	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	±9.6
0277	CAA	PHS (OPSK)	PHS	11.81	±9.6
0.278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	\$1,81	±9.6
0279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	±9.5
0290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	±9.6
0.291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	±9.6
0585	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
0.293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
0.295		CDMA2000, RC1, SO3, 1/8th Rate 25 tr.	CDMA2000	12.49	±9.6
0.297		LTE-FDD (SC-FDMA, 50% RB, 20MHz, GPSK)	LTE-FDO	5.81	±9.6
0.298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	±9.8
0299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDO	6.39	±9.5
0300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDO	6.60	±9.6
0301	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WIMAX	12.03	19.6
0302	AAA	IEEE 802-16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	±9.6
0303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	19.6
0304	A,A,A	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±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: ES-3076_Jul23

Page 12 of 21



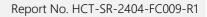


July 18, 2023

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)	WMAX	14.49	±9.6
0308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WIMAX	14.46	±9.5
10:309	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WMAX	14.58	±9.6
0310	AAA	IEEE 802 16e WIMAX (29:18, 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-FOD	6.06	±9.6
10313	AAA,	IDEN 1:3	IDEN	10.51	±9.6
10314	AAA	IDEN 15	IDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WIFI 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	AAD	IEEE 802.11a WIFI 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	19.6
10352	AAA.	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10.355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10.366	AAA	Pulse Waveform (200Hz, 90%)	Generic	0.97	±9.6
10387	AAA	OPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
0396	AAA	54-QAM Waveform, 100 kHz	Generic	8.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10.400	AAE	IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	19.6
0401	AAE	IEEE 802.11ac WIFI (40 MHz, 54-QAM, 99cc duty cycle)	WLAN	8.60	19.6
10402	AAE	IEEE 802 11ac WIFI (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	19.6
10.403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	19.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-F0MA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Cont=4)	LTE-TDD	7.82	19.6
10414	AAA	WLAN CCDF, 64-DAM, 40 MHz	Generic	8.54	19.6
10415	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	19.5
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	
10417	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mops, 99pc duty cycle)	and the second second		±9.6
10418	AAA		WLAN	8.23	19/5
10410	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule) IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.14	±9.6
10422	AAC		WLAN WLAN	8.19	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)		8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-GAM) IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-GAM)	WLAN	8.47	±9.6
10425	AAC	IEEE 802.11n (HT Greenfeld, 15 Mbps, BPSK)	and the second of the second sec		±9.6
10428	AAC	IEEE 802.11n (HT Greenfield, 10 Mops, EP 34) IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.41	±9.6
10420	AAC		WLAN	8.45	±9.6
10430	AAE	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	WLAN	8,41	±9.6
10430	AAE		LTE-FDD	8.28	19.6
10432	AAD	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FOD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz; E-TM 3.1)	LTE-FOD	8,34	±9.6
10434		LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10435	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
and the second second	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UIL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10.448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10.449	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450	and a local data	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10.451	AAB	W-CDMA (BS Test Model 1, 84 DPCH, Clipping 44%)	WCDMA	7.59	19.8
10.453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
0.456	AAC	IEEE 802.11ac WIFI (160 MHz, 64-GAM, 99pc duty cycle)	WLAN	8.63	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9,6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDM642000	6.55	±9,6
0.459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
0.460	BAA	UMTS-FDD (WCDMA, AMR)	WCDMA.	2.39	±9.6
0.461	-	LTE-TOD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8.9)	LTE-TDD	7.82	±9,6
0.462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.30	±9.6
0463	AAC	LTE TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10.464	AAD	LTE-TDD (SC-FDMA, 1 R8, 3 MHz, QPSK, UL Sublrame=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
10.465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10.488	AAD	LTE-TDD (SC-FDMA, 1 AB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TOD	8.57	±9.6
10-457	AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
10.468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10.469	DAA	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.56	±9.6
10470	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10471	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	19.6

Certificate No: ES-3076_Jul23

Page 13 of 21



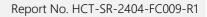


July 18, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-DAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 R8, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
0477	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
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
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
0.480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.18	=9.6
0.481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.45	±9.6
0.482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
0.483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 15-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
0.484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,47	±9.6
0.485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.59	±9.6
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
0.487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	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-TOD	7.70	±9.6
0.489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 15-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
0.490	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, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	and the second sec
0.492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	B.41	±9.6 ±9.6
0.493	AAF	LTE-TDD (SC FDMA, 50% RB, 15 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.55	±9.6
0494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subtrame=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 Subtrame=2.3.4.7.8.9)	LTE-TOD	8.37	±9.6
0.496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2.3.4,7.8.9)	LTE-TDD	8.54	
0497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
0498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2.3.4,7,8,9)	LTE-TDD		±9.6
0499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.40	±9.8
10.500	AAD	LTE-TDD (SC-FDMA, 100% RR, 3MHz, QPSK, UL Subtrame=2,3,4,7,8,9)		8.68	±9.6
0.501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 15-QAM, UL Subtrame=2.3.4.7.8.9)	LTE-TDD	7.67	±9.6
10502	AAD	LTE-TOD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Subiramev2.3.4.7.8.9)		8,44	±9.6
0.500	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM, UL Subframe=2.3.4,7.8.9)	LTE-TDD	7.72	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Subhame=2.3.4.7.8.9)	LTE-TDD	8.31	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, GPSK, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10507	AAG	LTE-TOD (SC-FOMA, 100% RB, 10MHz, GPSK, 0L Subtrame=2,3,4,7,8,9) LTE-TOD (SC-FOMA, 100% RB, 10MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	7.74	19.6
10508	AAG	LTE-TOD (SC-FDMA, 100% RB, 10MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.8
10509	AAF		LTE-TDD	8.55	±9.6
10510	AAF	LTE-TOD (SC-FOMA, 100% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	太9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,49	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10513	AAG	LTE-TOD (SC-FDMA, 100% HB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74	±9.6
0514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 18-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TDD	8.42	±9.6
0515	and the second se	LTE-TOD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.45	#9.6
ter and the second second	AAA	IEEE 602.11b 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
10517	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)	WLAN	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	±9.5
0.521	AAC	IEEE 802.11a/h WIFi 5 GHz (OFDM, 24 Mops, 99pc duty cycle)	WLAN	7.97	±9.6
0522	AAC	IEEE 002.11a/h WIFI 5 GHz (DFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
0523	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mops, 99pc duty cycle)	WLAN	8.08	±9.6
0524	AAC	IEEE 802.11 w/h WIFI 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	-8.27	19.6
0525	AAC	IEEE 802.11ac WIFI (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
0526	AAC	IEEE 802.11ac WIFI (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
0527	AAC	IEEE 802.11ac WIFI (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
0528	AAG		WLAN	8.36	29.6
0529	AAC	IEEE 802.11ac WIFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
0531	AAC	IEEE 802.11ac WIFI (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
0532	AAC	IEEE 802.11ac WIFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
0533	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
0.534	AAC	IEEE 802.11ac WiFI (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
0535	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
0536	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
0537	AAG	IEEE 802.11ac WIFI (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.44	±9.6
0538	AAC	IEEE 802.11ac WIFI (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	19.5
0540	AAC	IEEE 802.11ac WFI (40 MHz, MC56, 99pc duty cycle)	WLAN	8.39	
				0.04	±9.6

Certificate No: ES-3076_Jul23

Page 14 of 21



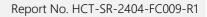


July 18, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
2541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6-
3542	AAC	IEEE 802.11ac WIFI (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
0543	AAC	IEEE 802,11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
0544	AAC	IEEE 802.11ac WIFI (80 MHz, MCSO, 99pc duty cycle)	WLAN	8.47	±9.6
3545	AAC	IEEE 802.11ac WIFI (60 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
0546	AAC	IEEE 802.11ac WIFI (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.0
0547	AAC	IEEE 802.11ac WIFI (60 MHz, MCS3, 99pt: duty cycle)	WLAN	8.49	±9.6
0548	AAC	IEEE 802 11ac WIFI (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
0550	AAC	IEEE 802.11ac WIFI (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
0551	AAC	IEEE 802.11ac WIFI (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	:9.6
0552	AAC	IEEE 802.11ac WiFi (60 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
0553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
0554	AAD	IEEE 802.11ac WIFI (160 MHz; MCS0; 99pc duty cycle)	WLAN	8.48	±9.6
0555	AAD	IEEE 802.11ac WIFI (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
0556	AAD	IEEE 802.11ac WFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±8.6
0.557	AAD	IEEE 802.11ac WIFI (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	19.6
0.558	AAD	IEEE 802.11ac WFI (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
0.560	AAD	IEEE 802.11ac WFI (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
0561	AAD	IEEE 802.11ac WFI (160 MHz, MCS0, 89pc duty cycle)	WLAN	8.56	19.6
0.562	AAD	IEEE 802.11ac WFI (180 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
0.562	AAD	IEEE 802.11ac WFI (160 MHz, MCS8, 99pc duty cycle) IEEE 802.11ac WFI (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	
0.564	AAA	and the second	WLAN	8.25	±9.5
diam'r.	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	and a second sec		±9.6
0.585		IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
0566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN .	8.13	±9.5
0567	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
0568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
0569	AAA	EEE 802.11g WiFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	19.6
0570	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
0.571	AAA	EEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
0.572	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
0.573	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
0574	AAA	EEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9,6
0575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
0.576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	主9.6
0577	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
0578	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WEAN	8.49	±9.6
0579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	29.6
0580	AAA	IEEE 802 11g WIFI 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
0581	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
0582	AAA	TEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 54 Mbps, 98pc duty cycle)	WLAN	8.67	主9.6
0583	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.0
0584	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
0585	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
0586	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps; 90pc duty cycle)	WLAN	8.49	±9.6
0587	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
0.588	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
0589	AAG	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
0590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
0591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	19.6
0.592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
0.593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
0594	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
0.597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.5
0 5 9 8	AAC	EEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
0.599	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
0.000	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	19.6
0601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	19.6
5080	AAC	EEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	19.6
0.603	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	
0.604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCSS, 80pc duty cycle)	WLAN		±9.6
0.605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS8, 90pc duty cycle)	and the second sec	8.76	19.5
0.606	AAC	IEEE 802.11n (H1 Mixed, 40 MH2, MCS6, 90pc duty cycle) IEEE 802.11n (HT Mixed, 40 MH2, MCS7, 90pc duty cycle)	WLAN	8.97	±9.6
0.607	AAC		WEAN	8.82	19.6
	AAC	IEEE 802.11ac W/Fi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.8
0.608	PUN-	IEEE 802.11ac WIFI (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.5

Certificate No: ES-3076_Jul23

Page 15 of 21



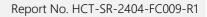


July 18, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
0609	AAC	IEEE 802.11ac WIFI (20 MHz, MC52, 90pc duty cycle)	WLAN	8.57	±9.6
0610	AAC	IEEE 802.11ac WIFI (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	::9.6
0611	AAC	IEEE 802,11ac WIFI (20 MHz, MCS4, 90pc duty cycle)	WLAN	8,70	±9.6
0612	AAC	IEEE 802.11ac WiFi (20 MHz, MC55, 90pc duty cycle)	WLAN	8.77	±9.6
0613	AAC	IEEE 802.11ac WiFI (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
0614	AAC	IEEE 802.11ac WiFI (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
0615	AAC	IEEE 802.11ac WIFI (20 MHz, MC58, 90pc duty cycle)	WLAN	8.82	±9.6
0616	AAC	IEEE 802 11ac WIFI (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
0617	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	19.6
0618	AAC	IEEE 802.11ac WIFI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
0619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	19.6
0620	AAC	IEEE 802 11ac WIFI (40 MHz, MC54, 90pc duty cycle)	WLAN	8.87	±9.6
0621	AAG	IEEE 802.11ac WIFI (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	19.6
0623	AAC	IEEE 802.11ac WFI (40 MHz, MCS3, 50pc duty cycle)	WLAN	8.82	19.6
0624	AAC	IEEE 802.11ac WFF (40 MHz, MCS7, 50pc duty cycle)	WLAN		and the second design of the s
0625	AAC	IEEE 802.11ac WFI (40 MHz, MCS8, sope duty cycle)	WLAN	8.96 8.96	±9.6
3626	AAC				±9.6
station in the second	and the second second	IEEE 802.11ac WFI (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
0627	AAC	IEEE 802.11ac WIFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
0628	AAC	IEEE 802.11ac WFI (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	19.8
0629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
0.630	AAC	IEEE 802.11ac WIFI (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
0631	AAC	IEEE 802.11ac WIFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.8
0632	AAC	IEEE 802.11ac WFI (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
0633	AAC.	IEEE 802.11ac WIFI (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
0634	AAC	IEEE 802.11ac WIFI (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	19.8
0635	AAC	IEEE 802.11 ac WFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.8
0636	AAD	IEEE 802.11ac WIFI (160 MHz, MCS0, 90pc duty cycle)	WLAN .	8.83	±9.6
0637	AAD.	IEEE 802.11ac WIFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.8
0.638	AAD	IEEE 802.11ac W/FI (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
0639	AAD	IEEE 802.11ac WIFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
0.640	AAD	IEEE 802.11ac WFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	£9.6
0.641	(AAD	IEEE 802.11ac WFI (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
0642	AAD	IEEE 802.11ac WIFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9:06	±9.6
0643	AAD	IEEE 802.11ac WIFI (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	19.6
10844	AAD	IEEE 802.11ac WIFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.8
10.645	AAD	IEEE 802.11ac WIFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.11	±9.6
0646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TOD	11.96	±9.5
0647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subkame=2,7)	LTE-TDD	11.96	±9.6
0.648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10052	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.91	19.6
0.653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	19.6
0.654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)			
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	3.6±
0658	AAB	Contraction and a standard and a standard a stand	LTE-TDD	7.21	19.8
and the second second	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
0659		Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
0.000	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
0661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
0662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
0.670	AAA	Bluetoath Law Energy	Bluetooth	2.19	±9.6
0671	AAC	IEEE 802.11ax (20 MHz, MG50, 90pc duty cycle)	WLAN	9.09	±9.6
0672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
0673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
0674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	19.6
0675	AAC	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		IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	19.6
0678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.0
0679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
0680	AAC .	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	19.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
0683	AAC	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	19.6
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	
	1.5516	the second second second second second	TELFITE	0.69	±9.6

Certificate No: ES-3076_Jul23

Page 16 of 21





July 18, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^k k =
0687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
8830	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	19.6
0689	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.55	±9.6
0690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
0691	AAC	IEEE 802 11ax (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	19.6
0683	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	+9.6
0694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	
0695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN		±9.6
0696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)		8.78	19.6
0697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.91	±9.6
0698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.61	±9.6
0.699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.80	±9.6
	AAC		WLAN	8.82	±9.6
0700		IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle)	WLAN	8.73	19.6
	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
0702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WILAN	8.70	±9.6
0.703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	19.6
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 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
0707	AAC	IEEE 802.11 ax (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 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
10752	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN .	8.67	19.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 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	19.6
10716	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	19.6
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	±9.0
10720	AAC	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	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 50pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11mx (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
0727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
0728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
0729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
0730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
0731	AAC	IEEE 802.11ax (80 MHz, MCS0, 89pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	the second se
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
0734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN		±9.6
10735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8,25	=9.6
0736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)		8.33	±9.6
0737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.27	±9.6
0738	AAC	IEEE 802.11ax (80 MHz, MCS6, 89pc duty cycle)	WLAN	8,35	±9.6
10739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
0740	AAC		WLAN	8.29	±9.8
0740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle) IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
0742	AAC		WLAN	8,40	±9.6
0742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
0744	and the second second	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
0745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8,93	±9.6
0746	AAC	IEEE 802.11 ax (160 MHz, MCS3, 90pc duty cycle)	WEAN	9.11	±9.8
0747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
0748	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
0.750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
0751	AAG	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
0752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

Certificate No: ES-3076_Jul23

Page 17 of 21



July 18, 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 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.8
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	
10756	AAG	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
0.758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN		±9.6
0759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)		8.69	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.58	±9.6
10761	ANC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.49	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.58	±9.6
0763	AAC	IEEE 802.11ax (160 MHz, MCS7, 300c duty cycle)	WLAN	B.49	±9.6
0764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WEAN	8.53	±9.6
0765	AAC	IEEE 802.118x (160 MHz, MCS9, 99pc duty cycle)	WEAN	8.64	±9.6
0766	AAC		WLAN	8.54	北泉坊
	AAE	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
0767	and the second second	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
0768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDO	8.01	±9.6
0.769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
0770	AAD	5G NR (CP-OFOM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDO	8.02	:+9.6
0771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	53 NR FR1 TDD	8.02	±9.6
0772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.25	±9.6
0773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
0774	(AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	19.6
0775	AAD.	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDO	8.31	±9.6
0776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
0777	AAC	56 NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	29.6
0778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
0779	AAC	5G NR (CP-OFDM, 50% R8, 25 MHz, QPSK, 15 kHz)	BG NR FR1 TDD	8.42	Constant of Constant
0780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
0781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)			±9.6
0782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
0783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	8.43	±9.6
0784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
0785	AAD		5G NR FR1 TDD	8.29	±9.6
0786	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	±9.6
	and the second s	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	50 NR FR1 TDD	8.35	主要:卷
0787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.44	±9.6
0788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
0789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	±9.6
0790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
0791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
0792	GAA	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
0793	AAD	5G NR (CP-OFOM, 1 RB, 15 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	7.95	±9.6
0794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, OP5K, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
0795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
0.796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
0797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
0798	AAD	50 NR (CP-OFDM, 1 RB, 50 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
0799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FRI TDD	7.93	and the second se
0801	AAD	5G NR (CP-OFDM, 1 R8, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
0802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
0.803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	the problem of a state	7.87	±9.6
0805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	19.6
0805	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 KHz) 5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
0810	AAD		5G NR FR1 TDD	B.34	±9.6
0810	AAD	SG NR (CP-OFDM, 50% RB, 40 MHz; OPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
	and the local division of the local division	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8,35	±9.6
0817	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	主9.6
9180	AAD	5G 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	5G NR (CP-DFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
0.022	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.41	±9.6
0823	AAD	SG NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.36	±9.5
0.824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
0.825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	19.6
1827	GAA	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	19.6
1828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.43	19.6

Certificate No: ES-3076_Jul23

Page 18 of 21

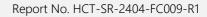


July 18, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
0831	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.73	±9.6
0832	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, GPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
0833	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
0.834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
0.835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, OPSK, 80 kHz)	5G NR FRI TDD	7.70	±9.6
0.838	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, GPSK, 60 kHz)	SG NR FR1 TDD	7.68	±9.6
0.837	AAD	5G NR (CP-OFDM, 1 R8, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
0838	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
0840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.67	±9.6
0841	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.71	±9.6
0843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	8.49	
0844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, OPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
0845	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	1112C-1710111-0011407		±9.6
0854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	6.41	±9.6
0855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, OP5K, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
0856	AAD	 An intervention of the second state of the second sta	5G NR FR1 TDD	6.36	±9.6
0857	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	19.6
	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
0.858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TOD	8.36	±9.6
0.859	and an all the second	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
0.860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9,6
0881	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
0.863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	B.41	±9.6
0864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
0.865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.8
0866	AAD	5G NR (DFT-s-OFDM, 1 R8, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0868	AAD	5G NR (DFT-I-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
0889	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
0870	AAE	5G NR (DFT=0-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, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
0872	AAE	5G NR (DFT-s-OFDM, 100% R8, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
0873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
0874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDO	6.65	±9.6
0875	AAE	5G NR (CP-OFOM, 1 R8, 100 MHz, QPSK, 120 kHz)	SG NR FR2 TDD	7.78	±9.6
0876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	+9.6
0877	AAE	5G NR (CP-OFOM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
0878	AAE	5G NR (CP-OFDM, 100% R8, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDO	8.41	±9.6
0879	AAE	5G NR (CP-OFOM, 1 RB, 100 MHz, 64QAM, 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	19.6
0881	AAE	5G NR (DFT-e-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDO	5.75	19.6
0882	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 TDD	8.57	19.6
0884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 18QAM, 120 kHz)	5G NR FR2 TDD	6.53	the second se
0885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	the second s	±9.6
0886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	the state of the second s	5.61	±9.6
0887	AAE	5G NR (CP-OFDM, 1 R8, 50 MHz, QPSK, 120 KHz)	5G NR FR2 TDD 5G NR FR2 TDD	6,65	±9.6
0888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
0889	AAE	SG NR (CP-OFDM, 100% Hb, 50 MHz, 16QAM, 120 Hz)	the state is a state of the sta	8,35	±9.6
0890	AAE	5G NR (CP-OFDM, 1 Hb, bunner, 16GAM, 120 kHz) 5G NR (CP-OFDM, 100% RB, 50 MHz, 16GAM, 120 kHz)	5G NR FR2 TDD	8.02	#9,6
0891	AAE	5G NR (CP-OFDM, 1005 HB, 50 MHz, 16QAM, 120 kHz) 5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	50 NR FR2 TDD	8.40	±0.6
0892	AAE		5G NR FR2 TDD	8,13	±9.6
	and the second s	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9,6
0897	AAC	5G NR (DFT-s-OFDM, 1 R8, 5MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9:6
868.0	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
0899	AAB	5G NR (DFT&-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.67	±9.6
0900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	19.6
0901	AAB	SG NR (DFT#-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0902	AAB	5G NR (DFT-a-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0903	AAB	5G NR (DFT&-OFDM, 1 RB, 40 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0904	AAB	5G NR (DFT-s-OFOM, 1 RB, 50 MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.68	19.6
0905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	+9.6
0907	AAG	5G NR (DFT=s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	19.6
8080	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.93	±9:6
0909	AAB	5G NR (DFTs-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FRI TDD	5.96	+9.6
0100	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

Certificate No: ES-3076_Jul23

Page 19 of 21



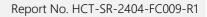


July 18, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10.911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT+-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.5
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.8
0915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
0916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	19.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
0918	AAC	5G NR (DFT-a-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
0919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.88	1.9.6
10.920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.87	±9.8
0921	AAB	5G NR (DFT-4-OFDM, 100% RB, 20 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFTs-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
0.923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.8
0924	AAB	5G NR (DFT-a-OFDM, 100% RB; 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
0.925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.8
0926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
0927	AAB	5G NR (DFT-s-DFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
0.928	AAC	5G NR (DFT+s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	±9.6
0929	AAC	5G NR (DFTs-OFDM, 1 R8, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
0930	AAC	5G NR (DFT-e-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	±9.6
0.931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0932	AAG	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0933	AAC	53 NR (DFT-6-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	29.6
0934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0.935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	:9.6
0936	AAG	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
0937	AAG	5G NR (DFT-e-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
0938	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% R8, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
0940	AAC	5G NR (DFT-8-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	19.6
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, QPSK, 15kHz)	5G NR FR1 FDD	5.85	±9.6
0943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAC	5G NR (DFT-s-OFDM, 100% R8, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-9-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±0.6
0947	AAC	5G NR (DFT-s-OFDM, 100% R8, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,87	±9.6
0948	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 (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	2.9.6
0950	AAC	5G NR (DFT-8-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
0951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10962	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	SG NR FR1 FDD	8.25	±9.6
0963	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
0954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
0955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
0966	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
0957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G 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	29.6
0959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
0960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
0961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.35	±9.6
0962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.40	±9.6
0963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9,55	±9.6
0964	AAG	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
0.965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	SG NR FR1 TDD	9.37	±9,6
0965	the lot of	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
0967	AAB		5G NR FR1 TOD	8.42	±9.6
0.968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
0972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
0973	BAA	5G NR (DFT=-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FRI TDD	9.06	±9.6
0974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.8
0.978	AAA	ULLA BDR	ULLA	1.16	±9.6
0979	AAA	ULLA HDR4	ULLA	8.58	±9.6
0980	AAA.	ULLA HDR8	ULLA	10.32	±9.6
0.981	A,A,A	ULLA HDRp4	ULLA	3.19	±9.6
0.985	AAA	ULLA HDRp8	ULLA	3.43	±9.6

Certificate No: ES-3076_Jul23

Page 20 of 21





July 18, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^{II} k = 1
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9,31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDO	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	19.8
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.8
10.989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.5
10990	AAA	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, 15 kHz)	5G NR FR1 TOD	10.24	19.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TOD	10.73	±9.8
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	19.6
11006	AAA	5G 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-QAM, 15kHz)	5G NR FR1 FDD	8.46	±9,6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G 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)	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	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	8.44	:9.6
11.016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	29.6
11017	AAA	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAA	IEEE 802.11be (320 MHz, MCS6, 99pc 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	±9.6
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN.	8.46	±9.6
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAA	IEEE 802.11be (329 MHz, MCS11, 99pc duty cycle)	WLAN.	8.09	19.6
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)	WEAN	8.37	+9.6
11028	AAA	IEEE 002.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	19.6

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

a sector

Certificate No: ES-3076_Jul23

Page 21 of 21