

TEST REPORT



Report No.: KES-SR250174

Page 1 / 55

KES Co., Ltd.

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1. Client

o Name: AISOLUTION CO., LTD

Address: 28-4, Samyang-ro 29gil, Gangbuk-gu, Seoul, 01194, Republic of Korea

2. Sample Description

o Product item: KOAMTAC SLED UHF 1.0W RFID READER

FCC ID: VH9-KSLEDUHF10-PL
 Model name: KSLED-UHF1.0W
 Multiple Model Name: N/A

o Manufacturer etc.: AISOLUTION CO., LTD

3. Date of test: 2025.07.07

4. Location of Test: ☑ Permanent Testing Lab ☐ On Site Testing

o Address: #3002, #3503, #3701, 40, Simin-daero365beon-gil, Dongan-gu, Anyang-si,

Gyeonggi-do, 14057, Republic of Korea

5. Test method used: CFR §2.1093

6. Test result: PASS

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.

This laboratory is not accredited for the test results marked *.

This test report is not related to KOLAS accreditation.

Affirmation	Tested by		Technical Manager	
	Name : Ye-dam, Ahn	(Signature)	Name : Wi-han, Jeong	(Signature)

2025 . 07. 09.

KES Co., Ltd.
Accredited by KOLAS, Republic of KOREA



Report No. : KES-SR250174 Page 2 / 55

REPORT REVISION HISTORY

Date	Test Report No.	Revision History
2025.07.09	KES-SR250174	Initial

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Use of uncertainty of measurement for decisions on conformity (decision rule):

- No decision rule is specified by the standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty("simple acceptance" decision rule, previously known as "accuracy method").
- ☐ Other (to be specified, for example when required by the standard or client)





TABLE OF CONTENTS

1. Ger	neral Information	
1.1.	Highest SAR Summary	4
1.2.	Device Overview	
1.3.	Power Reduction for SAR	4
1.4.	Nominal and Maximum Output Power Specifications	
1.5.	Simultaneous Transmission Capabilities	
1.6.	DUT Antenna Locations	
1.7.	Near Field Communications (NFC) Antenna	
1.8.	Guidance Applied	
1.9.	Device Serial Numbers	
2.	Introduction	_
2.1.	SAR definition	
2.2.	SAR Measurement Setup	
3.	Dosimetric Assessment	8
4.	TEST CONFIGURATION POSITIONS	
4.1.	Device Holder	
4.2.	Positioning for Testing	
5.	RF Exposure Limits	
5.1.	Uncontrolled Environment	
5.2.	Controlled Environment	
მ.	FCC Measurement Procedures	
3.1.	Measured and Reported SAR	
6.2.	Procedures Used to Establish RF signal for SAR	
7.	RF Conducted Power	
7.1.	RFID Conducted Power	
3.	Tissue & System Verification	
3.1.	Tissue Verification	
3.2.	System Verification	
9.	SAR Data Summary	
9.1.	Standalone Hands SAR Data	
9.2.	SAR Test Notes	
10.	SAR Measurement Variability	
10.1	Measurement Variability	
11.	SAR Measurement Uncertainty	
12.	Equipment List	
13.	Conclusion	
14.	References	
	dix A. SAR Plots for System Verification	
	dix B. SAR Plots for SAR Measurement	
	dix C. Probe & Dipole Antenna Calibration Certificates	
Appen	ıdix D. SAR Tissue Specifications	55



Report No. : KES-SR250174 Page 4 / 55

1. General Information

Applicant: AISOLUTION CO., LTD

Applicant address: 28-4, Samyang-ro 29gil, Gangbuk-gu, Seoul, 01194, Republic of Korea

Test site: KES Co., Ltd.

Test site address: #3002, #3503, #3701, 40, Simin-daero365beon-gil, Dongan-gu,

Anyang-si, Gyeonggi-do, 14057, Republic of Korea

Test Facility FCC Accreditation Designation No.: KR0100, Registration No.: 4769B

FCC rule part(s): CFR §2.1093

FCC ID: VH9-KSLEDUHF10-PL

Test device serial No.:
☐ Pre-production ☐ Engineering

1.1. Highest SAR Summary

EUT Type	KOAMTAC SLED U	OAMTAC SLED UHF 1.0W RFID READER								
Brand Name(Applicant)	AISOLUTION CO., L	SOLUTION CO., LTD								
Model Name	KSLED-UHF1.0W	LED-UHF1.0W								
Additional Model Name	N/A	A								
Antenna Type	Quadrifilar Helix Ante	Quadrifilar Helix Antenna(RFID Antenna)								
EUT Stage	Identical Prototype									
Equipment Class	Band & Mode	TX Frequen	су	1g Head (W/Kg)	1g Body (W/Kg)	10g Hands (W/Kg)				
DSS	RFID	902.75 ~ 927.2	5 MHz	N/A	N/A	3.18				
Simultaneous	s SAR per 690783 D0	01v01r03		N/A	N/A	N/A				

This wireless portable device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE C95.1-1992 and has been tested in accordance with the measurement procedures specified in Section 6 of this report;

1.2. Device Overview

Band & Mode	Operating Modes	Tx Frequency
RFID	Data	902.75 ~ 927.25 Mb

1.3. Power Reduction for SAR

There is no power reduction used for any band/mode implemented in the device for SAR purposes.



Report No. : KES-SR250174 Page 5 / 55

1.4. Nominal and Maximum Output Power Specifications

This device operates using the following maximum and nominal output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB Publication 447498 D01v06.

Maximum Output Power

Dond / Mada		Modulated	Modulated Average - Single Tx Chain (dBm)				
Band / Mode	Channel	F1	F2	F3			
	Maximum	30.0	30.0	30.0			
RFID	Nominal	29.0	29.0	29.0			

1.5. Simultaneous Transmission Capabilities

This device only supports RFID, does not support simultaneous transmission.

1.6. DUT Antenna Locations

The DUT antenna locations are included in the filing.

1.7. Near Field Communications (NFC) Antenna

This DUT does not support NFC function.

1.8. Guidance Applied

- IEEE 1528-2013
- FCC KDB Publication 447498 D01v06 (General RF Exposure Guidance)
- FCC KDB Publication 865664 D01v01r04 (SAR Measurement 100 MHz to 6 GHz)
- FCC KDB Publication 865664 D02v01r02 (RF Exposure Reporting)
- FCC KDB Publication 690783 D01v01r03 (SAR Listings on Grants)
- October 2016 TCBC workshop Notes (DUT Holder perturbations)
- April 2019 TCBC workshop Notes (Tissue Simulating Liquids (TSL))
- October 2020 TCBC workshop Notes (Handheld RFID/Barcode Scanners)

1.9. Device Serial Numbers

Several samples with identical hardware were used to support SAR testing. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units. The serial numbers used for each test are indicated alongside the results in Section 9.



2. Introduction

The FCC and Innovation, Science, and Economic Development Canada have adopted the guidelines for evaluating the environmental effects of radio frequency (RF) radiation in ET Docket 93-62 on Aug. 6, 1996 and Health Canada Safety Code 6 to protect the public and workers from the potential hazards of RF emissions due to FCC-regulated portable devices.

The safety limits used for the environmental evaluation measurements are based on the criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (SAR) in IEEE/ANSI C95.1-1992 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3KHz to 300 GHz and Health Canada RF Exposure Guidelines Safety Code 6. The measurement procedure described in IEEE/ANSI C95.3-2002 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave is used for guidance in measuring the Specific Absorption Rate (SAR) due to the RF radiation exposure from the Equipment Under Test (EUT). These criteria for SAR evaluation are similar to those recommended by the International Committee for Non-Ionizing Radiation Protection (ICNIRP) in Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," Report No. Vol 74. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards.

2.1. SAR definition

Specific Absorption Rate is defined as the time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dv) of a given density (p). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Equation 2-1)

$$SAR = \frac{d}{dt} \Big(\frac{dW}{dm} \Big) = \frac{d}{dt} \Big(\frac{dW}{\rho dv} \Big)$$

Equation 2-1 SAR Mathematical Equation

SAR is expressed in units of Watts per kilogram (W/kg).

$$SAR = \frac{\sigma |E|^2}{\rho}$$

Where: σ = conductivity of the tissue (S/m)

 ρ = mass density of the tissue (kg/m³)

E = rms electrical field strength (V/m)

NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relation to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.

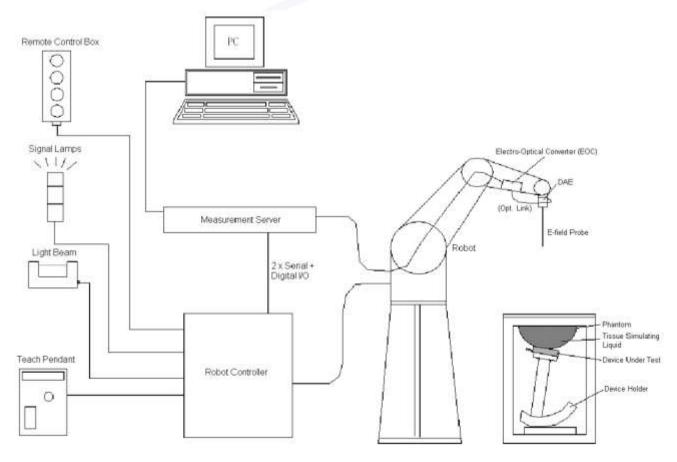


Report No. : KES-SR250174 Page **7** / **55**

2.2. SAR Measurement Setup

A standard high precision 6-axis robot with controller, teach pendant and software. An arm extension for accommodating the data acquisition electronics (DAE). An isotropic Field probe optimized and calibrated for the targeted measurement. Data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

The Electro-optical converter (EOC) performs the conversion from optical to electrical signals for the digital communication to the DAE. To use optical surface detection, a special version of the EOC is required. The EOC signal is transmitted to the measurement server. The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts. The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning. A computer running WinXP, Win7 or Win10 and the DASY5 software. Remote control and teach pendant as well as additional circuitry for robot safety such as warning lamps, etc. The phantom, the device holder and other accessories according to the targeted measurement.





Report No. : KES-SR250174 Page 8 / 55

3. Dosimetric Assessment

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013:

- 1. The SAR distribution at the exposed side of the head or body was measured at a distance no greater than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the device-head and body interface and the horizontal grid resolution was determined per FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEC/IEEE 1528-2013.
- 2. The point SAR measurement was taken at the maximum SAR region determined from Step 1 to enable the monitoring of SAR fluctuations/drifts during the 1g/10g cube evaluation. SAR at this fixed point was measured and used as a reference value.

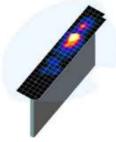


Figure 4-1 Sample

- 3. Based on the area scan data, the peak of the region with maximum SAR was determined by spline interpolation. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (see references or the DASY manual online for more details):
 - a. SAR values at the inner surface of the phantom are extrapolated from the measured values along the line away from the surface with spacing no greater than that in Table 4-1. The extrapolation was based on a least-squares algorithm. A polynomial of the fourth order was calculated through the points in the z-axis (normal to the phantom shell).
 - b. After the maximum interpolated values were calculated between the points in the cube, the SAR was averaged over the spatial volume (1g or 10g) using a 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the "Not a knot" condition (in x, y, and z directions). The volume was then integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were obtained through interpolation, in order to calculate the averaged SAR.
 - c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
- 4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan was complete to calculate the SAR drift. If the drift deviated by more than 5%, the SAR test and drift measurements were repeated.

Table 4-1 Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01v01r04*

Frequency	ACCUMUM STREET, STREET	Maximum Zoom Scan		Resolution (r	22127	Minimum Zoom Scan		
Frequency	Resolution (mm) (Δx _{atta} , Δy _{atta})	Resolution (mm)	Uniform Grid	G	aded Grid	Volume (mm) (x,y,z) ≥ 30 ≥ 30 ≥ 28		
	ESTABLISHMENT	O No Para de Calabra A V	Δz _{com} (n)	Δt ₀₀₀ (1)*	Δt;;;;r(n>1)*			
≤2 GHz	s 15	≤8	45	£4	≤ 1.5*Δz _{com} (n-1)	≥ 30		
2-3 GHz	≤12	5 5	55	64	≤ 1.5*Az _{zooe} (n-1)	≥ 30		
3-4 GHz	≤12	45	£4	53	≤1.5*∆z _{rosm} (n-1)	≥.28		
4-5 GHz	≤10	≤4	≤3	≤ 2.5	≤ 1.5*∆2 ₁₀₀₀ (n-1)	≥ 25		
5-6 GHz	≤10	≤4	≤2	≤2	≤ 1.5*Δz _{rooe} (n-1)	≥ 22		



Report No. : KES-SR250174 Page 9 / 55

4. TEST CONFIGURATION POSITIONS

4.1. Device Holder

This device holder is made out of low-loss POM material having the following dielectric parameters: relative permittivity $\varepsilon = 3$ and loss tangent $\delta = 0.02$.

4.2. Positioning for Testing

Based on FCC guidance and expected exposure conditions, the device was positioned with the outside of the device touching the flat phantom and such that the location of maximum SAR was captured during SAR testing. The SAR test setup photograph is included in Appendix F.





Report No. : KES-SR250174 Page 10 / 55

5. RF Exposure Limits

In order for users to be aware of the head operating requirements for meeting RF exposure compliance, Operating instruction and cautions statements are included in the user's manual.

5.1. Uncontrolled Environment

UNCONTROLLED ENVIRONMENTS are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

5.2. Controlled Environment

CONTROLLED ENVIRONMENTS are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Table 5-1 SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6

Human Exposure Limits										
	Uncontrolled Environment General Population (W/kg) or (mW/g)	Controlled Environment Occupational (W/kg) or (mW/g)								
Peak Spatial Average SAR Head	1.6	8.0								
Whole Body SAR	0.08	0.4								
Peak Spatial Average SAR Hands, Feet, Ankle, Wrists, etc.	4.0	20								

- 1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
- 2. The Spatial Average value of the SAR averaged over the whole body.
- 3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.



6. FCC Measurement Procedures

Power measurements for licensed transmitters are performed using a base station simulator under digital average power.

6.1. Measured and Reported SAR

Per FCC KDB Publication 447498 D01v06, when SAR is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance. For simultaneous transmission, the measured aggregate SAR must be scaled according to the sum of the differences between the maximum tune-up tolerance and actual power used to test each transmitter. When SAR is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as *reported* SAR. The highest *reported* SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

Per KDB Publication 447498 D01v06, testing of other required channels within the operating mode of a frequency band is not required when the reported 1g of 10g SAR for the mid-band or highest output power channel is:

- ≤ 0.8 W/kg or 2.0 W/kg, for 1g or 10g respectively, when the transmission band is ≤ 100 MHz
- ≤ 0.6 W/kg or 1.5 W/kg, for 1g or 10g respectively, when the transmission band is between 100 MHz and 200 MHz
- ≤ 0.4 W/kg or 1.0 W/kg, for 1g or 10g respectively, when the transmission band is ≥ 200 MHz

6.2. Procedures Used to Establish RF signal for SAR

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit. Establishing connections in this manner ensure a consistent means for testing SAR and are recommended for evaluating SAR. Devices under test are evaluated prior to testing, with a fully charged battery and were configured to operate at maximum output power. In order to verify that the device is tested throughout the SAR test at maximum output power, the SAR measurement system measures a "point SAR" at an arbitrary reference point at the start and end of the 1 gram SAR evaluation, to assess for any power drifts during the evaluation. If the power drift deviates by more than 5%, the SAR test and drift measurements are repeated.

As required by §§ 2.1091(d)(2) and 2.1093(d)(5), RF exposure compliance must be determined at the maximum average power level according to source-based time-averaging requirements to determine compliance for general population exposure conditions. Unless it is specified differently in the published RF exposure KDB procedures, these requirements also apply to test reduction and test exclusion considerations. Time-averaged maximum conducted output power applies to SAR and, as required by § 2.1091(c), time-averaged effective radiated power applies to MPE. When an antenna port is not available on the device to support conducted power measurement, such as for FRS (Part 95) devices and certain Part 15 transmitters with built-in integral antennas, the maximum output power and tolerance allowed for production units should be used to determine RF exposure test exclusion and compliance.



Report No. : KES-SR250174 Page 12 / 55

7. RF Conducted Power

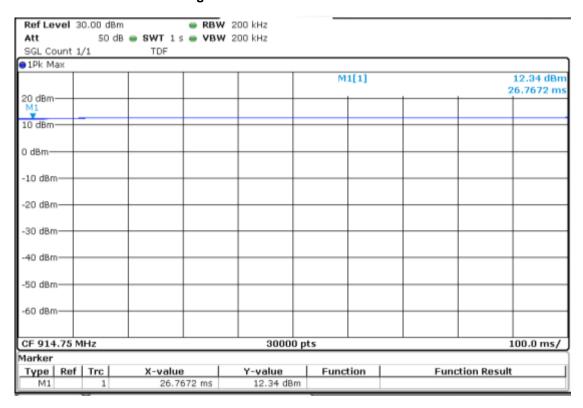
7.1. RFID Conducted Power

Table 7-1 RFID Conducted Power

Mode	Гиолича	n av FWI-1	Conducto	ed Power
Mode	Freque	ncy [MHz]	[dBm]	[mW]
	F1	902.75	29.59	909.91
RFID	F2	914.75	29.69	931.11
	F3	927.25	29.67	926.83

Note: The bolded channel at which the conducted Power was measured at the highest was recorded.

Figure 7-1 RFID Transmission Plot



Equation 7-1 RFID Duty Cycle Calculation

Duty Cycle of this device is 100 %

Duty Cycle[%] = (Pulse / Period) X 100 = (1.000 / 1.000) X 100 = 100 %



Report No. : KES-SR250174 Page 13 / 55

8. Tissue & System Verification

8.1. Tissue Verification

Table 8-1 Measured Tissue Properties

Tissue Type	Measured Frequency (MHz)	Tissue Temp (°C)	Measured	Measured Permittivity (ε _r)	Target Conductivity (σ)	Target	Conductivity Deviation (%)	Permittivity Deviation (%)	Test Date
HSL900	900		0.937	40.745	0.97	41.5	-3.40	-1.82	_
	902.75	21.4	0.943	40.797	0.97	41.5	-2.90	-1.68	2025 07 07
	914.75	21. 4	0.954	40.645	0.98	41.5	-2.27	-2.00	2025.07.07
	927.25		0.963	40.434	0.98	41.5	-1.87	-2.45	

Tissue Verification Notes:

- 1. The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB Publication 865664 D01v01r04 and IEEE 1528-2013 6.6.1.2). The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.
- 2. Per April 2019 TCBC Workshop Notes, effective February 19, 2019, FCC has permitted the use of single head-tissue simulating liquid specified in IEC 62209-1 for all SAR tests.



Report No. : KES-SR250174 Page **14** / **55**

8.2. System Verification

Prior to SAR assessment, the system is verified to \pm 10 % of the SAR measurement on the reference dipole at the time of calibration by the calibration facility.

Table 8-2 System Verification Results - 10 g

SAR System #	Test Date	Tissue Frequency (畑)	Amb. Temp (°C)	Liquid Temp (°C)	Input Power ()	Dipole SN	Probe SN	1W Target SAR-10 g (W/kg)	Measured SAR-10 g (W/kg)	Normalized to 1W SAR-10 g (W/kg)	Deviation (%)
1	2025.07.07	900	22.7	21.4	200	094	3879	6.93	1.35	6.75	-2.60

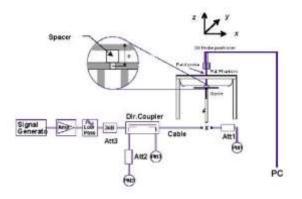




Figure 8-1 System Verification Setup Diagram

Figure 8-2 System Verification Setup Photo



Report No. : KES-SR250174 Page **15** / **55**

9. SAR Data Summary

9.1. Standalone Hands SAR Data

Table 9-1 RFID Hands SAR

	Device		Freque	ency				Maximum	Measured	Scaling	Scaling	Power	Measured	Reported
Plot No.	Serial Number	Device Side	MHz	Ch.	Mode	Test Position	Spacing (cm)	Allowed Power [dBm]	Conducted Power [dBm]	Factor (Duty Cycle)	Factor (Power)	Drift [dB]	SAR 10 g (W/kg)	SAR 10 g (W/kg)
	SAR1		914.75	F2	RFID	Top Side	0.0	30.00	29.69	1.000	1.074	-0.25	0.210	0.226
	SAR1		914.75	F2	RFID	Bottom Side	0.0	30.00	29.69	1.000	1.074	-0.14	2.67	2.87
	SAR1		914.75	F2	RFID	Front Side	0.0	30.00	29.69	1.000	1.074	0.18	0.699	0.751
	SAR1		914.75	F2	RFID	Front Side	2.5	30.00	29.69	1.000	1.074	0.05	1.96	2.11
	SAR1		902.75	F1	RFID	Front Side	2.5	30.00	29.59	1.000	1.099	0.02	1.93	2.12
	SAR1	Ant.1	927.25	F3	RFID	Front Side	2.5	30.00	29.67	1.000	1.079	-0.07	1.99	2.15
	SAR1		914.75	F2	RFID	Right Side	0.0	30.00	29.69	1.000	1.074	0.06	1.58	1.70
	SAR1		914.75	F2	RFID	Left Side	0.0	30.00	29.69	1.000	1.074	0.11	1.62	1.74
7	SAR1		902.75	F1	RFID	Bottom Side	0.0	30.00	29.59	1.000	1.099	-0.10	2.89	3.18
	SAR1		927.25	F3	RFID	Bottom Side	0.0	30.00	29.67	1.000	1.079	0.03	1.90	2.05
	SAR1		902.75	F1	RFID	Bottom Side	0.0	30.00	29.59	1.000	1.099	-0.03	2.87	3.15
	ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure / General Population									Av	Hand 4.0 W/kg eraged ov	(mW/g)	am	

Note: Blue entries represent variability measurements.

9.2. SAR Test Notes

General Notes:

- 1. The test data reported are the worst-case SAR values according to test procedures specified in IEEE1528-2013, and FCC KDB Publication 447498 D01v06.
- 2. Batteries are fully charged at the beginning of the SAR measurements.
- 3. Liquid tissue depth was at least 15.0 cm for all frequencies.
- 4. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
- 5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D01v06.
- 6. Per FCC KDB 865664 D01v01r04, variability SAR tests may be performed when the measured SAR results for a frequency band was greater than or equal 2 W/kg.

RFID Notes:

- 1. Per FCC KDB Publication 447498 D01v06, if the reported (Scaled) SAR measured at the middle channel or highest output power channel for each test configuration is ≥ 2.0 W/kg for 10g evaluations then testing at the other channels is required for such test configuration(s). When the maximum output power variation across the required test channels is > 1/2 dB, instead of the middle channel, the highest output power channel was used.
- 2. According to October 2020 TCBC workshop guidance for Handheld RFID device, Measure the 10-g Extremity SAR from the front of the RFID antenna at that antenna-to-finger distance and use that SAR value in place of the rear side SAR data.
 - a. Rear side of RFID antenna is 2.5 cm away from user's finger during normal operation.
 - b. Test front surface at 2.5 cm away from flat phantom and use that SAR data in place of rear.



Report No. : KES-SR250174 Page 16 / 55

10. SAR Measurement Variability

10.1 Measurement Variability

Per FCC KDB Publication 865664 D01v01r04, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results. SAR Measurement Variability was assessed using the following procedures for each frequency band:

- 1. When the original highest measured SAR is \geq 2.0 W/kg, the measurement was repeated once.
- 2. A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 3.0 or when the original or repeated measurement was ≥ 3.625 W/kg (~ 10% from the 10-g SAR limit).
- 3. A third repeated measurement was performed only if the original, first or second repeated measurement was ≥3.75 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is >3.0.
- 4. Repeated measurements are not required when the original highest measured SAR is < 2.0 W/kg
- 5. The same procedures should be adapted for measurements according to extremity exposure limits by applying a factor of 2.5 for extremity exposure to the corresponding SAR thresholds.

Table 10.1 Head SAR Measure Variability Results

Freque	ncy	Mada	Total Donition	Test Position Measured 1st Repeated Ratio 2nd Repeated Ra		D-4:-	3 rd Repeated	Detie		
MHz	Ch.	Mode	lest Position	SAR (10g)	SAR	Ratio	SAR	Ratio	SAR	Ratio
902.75	F1	RFID	Rear Side	2.89	2.87	1.01	-	-	-	-
	ANSI / IEEE C95.1 1992 – SAFETY LIMIT Spatial Peak Uncontrolled Exposure / General Population						4.0 W/l	nds kg (ﷺ/g) over 10 gram		



Report No. : KES-SR250174 Page 17 / 55

11. SAR Measurement Uncertainty

Table 10-1 Uncertainty of SAR equipment for measurement 0.3 GHz to 3 GHz

	Table	10-1 Onc			주파수 범위에			ment 0.3	GHZ IO 3	GHZ		
А	Ь	С		d	e=f(d, k)	f	g	h=c x f/e	I=c x g/e	C _i .	x U _i	k
source of uncertainty	Ref.	Un ± '		Prob Dist.	Div.	Ci (1 g)	Ci (10 g)	Uncertainty ± %, (1 g)	Uncertainty ± %, (10 g)	contribution	contribution	Vi
Measurement system errors												
Probe calibration	8.4.1.1	5.:	5	N	2.000	1	1	2.75	2.75	2.75	2.75	00
Probe calibration drift	8.4.1.2	1.0)	N	1.000	1	1	1.00	1.00	1.00	1.00	00
Probe linearity and detection limit	8.4.1.3	4.	7	R	1.732	1	1	2.71	2.71	2.71	2.71	∞
Broadband signal	8.4.1.4	3.	ס	N	2.000	1	1	1.50	1.50	1.50	1.50	∞
Probe isotropy	8.4.1.5	7.	6	R	1.732	1	1	4.39	4.39	4.39	4.39	∞
Other probe and data acquisition errors	8.4.1.6	0.:	3	N	1.000	1	1	0.30	0.30	0.30	0.30	00
RF ambient and noise	8.4.1.7	1.5	3	N	1.000	1	1	1.80	1.80	1.80	1.80	00
Probe positioning errors	8.4.1.8	0.2	15	N	1.000	0.67	0.67	0.17	0.17	0.11	0.11	-
Data processing errors	8.4.1.9	0.:	3	N	1.000	1	1	0.30	0.30	0.30	0.30	∞
Phantom and device (DUT or va	lidation anter	nna) errors										
Measurement of phantom conductivity(σ)	8.4.2.1	1.9	10	N	1.000	0.78	0.71	1.48	1.35	1.16	0.96	∞
Temperature effects (medium)	8.4.2.2	2.00	2.17	R	1.732	0.23	0.78	0.27	0.90	0.06	0.70	∞
Shell permittivity	8.4.2.3	14.	0	R	1.732	0.5	0.5	4.04	4.04	2.02	2.02	∞
Distance between the radiating element of the DUT and the phantom medium	8.4.2.4	2.0)	N	1.000	2	2	4.00	4.00	8.00	8.00	∞
Repeatability of positioning the DUT or source against the phantom	8.4.2.5	1.2	0.8	N	1.000	1	1	1.20	0.80	1.20	0.80	88
Device holder effects	8.4.2.6	1.8	1.1	N	1.000	1	1	1.80	1.10	1.80	1.10	-
Effect of operating mode on probe sensitivity DUT	8.4.2.7	2	4	R	1.732	1	1	1.39	1.39	1.39	1.39	∞
Time-average SAR	8.4.2.8	0.0	0	R	1.732	1	1	0.00	0.00	0.00	0.00	∞
Variation in SAR due to drift in output of DUT data	8.4.2.9	5.4)	N	1.732	1	1	2.89	2.89	2.89	2.89	-
Corrections to the SAR result (if	applied)											
Phantom deviation from target (ϵ',σ)	8.4.3.1	1.9	9	N	1.000	1	0.84	1.90	1.60	1.90	1.34	-
SAR scaling	8.4.3.2	0.0)	R	1.732	1	1	0.00	0.00	0.00	0.00	-
Combined standard uncertainty, $u(\Delta SAR)$				RSS				9.70	9.60			Veff
Expanded uncertainty, U (95% 신뢰 구간)				k = 2				19.40	19.20			



Report No. : KES-SR250174 Page 18 / 55

12. Equipment List

Equipment	Manufacturer	Model	Serial No.	Cal. Date	Next Cal. Date	Cal. Interval
SAR Chamber	Dymstec	N/A	N/A	N/A	N/A	N/A
Thermo-Hygrostat	㈜한국문터스	HK-030-AU1	1506231	N/A	N/A	N/A
Staubli Robot Unit	Staubli	TX60L	F15/5Y7QA1/A/ 01	N/A	N/A	N/A
Electro Optical Converter	SPEAG	EOC60	1096	N/A	N/A	N/A
2 mm Oval Phantom V6.0	SPEAG	QD OVA 003 AA	2036	N/A	N/A	N/A
Device Holder	SPEAG	Mounting Device Upgrade	SD 000 H99 AA	N/A	N/A	N/A
Data Acquisition Electronics	SPEAG	DAE4	1699	2025-01-21	2026-01-21	1 Year
E-Field Probe	SPEAG	EX3DV4	3879	2025-01-23	2026-01-23	1 Year
Dipole Antenna	SPEAG	D900V2	094	2025-01-17	2027-01-17	2 Years
RF Signal Generator	ANRITSU	68369B	992113	2025-01-10	2026-01-10	1 Year
RF POWER AMPLIFIER	L2 Microwave	BPA10T60W2-H	SH-02-0001	2025-05-21	2026-05-21	1 Year
DUAL DIRECTIONAL COUPLER	HP	11692D	1212A03523	2025-06-09	2026-06-09	1 Year
EPM Series Power Meter	HP	E4419B	GB40202055	2025-01-10	2026-01-10	1 Year
E-Series AVG Power Sensor	Agilent	E9300H	MY41495967	2025-01-10	2026-01-10	1 Year
E-Series AVG Power Sensor	Agilent	E9300H	US39215405	2025-01-10	2026-01-10	1 Year
POWER METER	ANRITSU	ML2495A	1438001	2025-01-10	2026-01-10	1 Year
Pulse Power Sensor	ANRITSU	MA2411B	1339205	2025-01-10	2026-01-10	1 Year
Attenuator	HP	8491B	22234	2025-01-10	2026-01-10	1 Year
Attenuator	MINI- CIRCUITS	UNAT-10+	VUU38501715	2025-01-10	2026-01-10	1 Year
Low Pass Filter	FILTRON	F-LPCA- KOO1410	1408004S	2025-01-10	2026-01-10	1 Year
Low Pass Filter	FILTRON	F-LPCA- KOO1420	1408008S	2025-01-10	2026-01-10	1 Year
DIELECTRIC ASSESSMENT KIT	SPEAG	DAKS-3.5	1205	2025-01-25	2026-01-25	1 Year
Network Analyzer	HP	8720C	3124A01008	2025-06-09	2026-06-09	1 Year
HYGRO-THERMOMETER	DAEKWANG	811CE	NONE	2025-06-12	2026-06-12	1 Year
DIGITAL THERMOMETER	NONE	TP101	191105	2025-01-16	2026-01-16	1 Year
Spectrum Analyzer	R&S	FSV40	101002	2025-04-17	2026-04-17	1 Year

Note:

^{1.} CBT (Calibration Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator) to determine the losses of the measurement path. The power meter offset was then adjusted to compensate for the measurement system losses. This level offset is stored within the power meter before measurements are made. This calibration verification procedure applies to the system verification and output power measurements. The calibrated reading is then taken directly from the power meter after compensation of the losses for all final power measurements.

^{2.} All equipment was used solely within its calibration period.

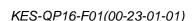


Report No. : KES-SR250174 Page 19 / 55

13. Conclusion

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC and Innovation, Science, and Economic Development Canada, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables.





Report No.: KES-SR250174 Page 20 / 55

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Report No. : KES-SR250174 Page 21 / 55

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Report No. : KES-SR250174 Page 22 / 55

Appendix A. SAR Plots for System Verification

The plots for system verification with largest deviation for each SAR system combination are shown as follows.







Test Laboratory: KES Co., Ltd.

Date: 2025-07-07

System Verification for 900 MHz

DUT: Dipole D900V2-SN: 094

Communication System: CW; Frequency: 900 MHz; Duty Cycle: 1:1

Medium: HSL900 Medium parameters used: f = 900 MHz; $\sigma = 0.937$ S/m; $\varepsilon_r = 40.745$; $\rho = 1000$ kg/m³

Ambient Temperature 22.7 °C; Liquid Temperature 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 SN3879; ConvF(8.23, 8.69, 8.09) @ 900 MHz; Calibrated: 2025-01-23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1699; Calibrated: 2025-01-21
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Pin=200mW/Area Scan (31x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm Maximum value of SAR (interpolated) = 2.66 W/kg

Pin=200mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

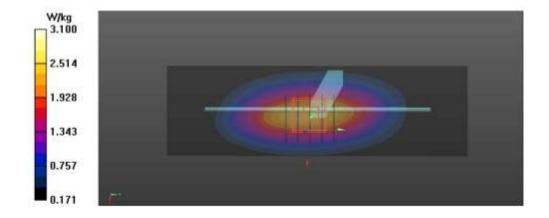
Reference Value = 60.78 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.60 W/kg

SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.35 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 61.7% Maximum value of SAR (measured) = 3.10 W/kg





Report No. : KES-SR250174 Page **24** / **55**

Appendix B. SAR Plots for SAR Measurement

The plots for SAR measurement are shown as follows.







Test Laboratory: KES Co., Ltd.

Date: 2025-07-07

P07 RFID Bottom Side 0 cm Ch.1

DUT: KSLED-UHF1.0W

Communication System: UID 0, RFID (0); Frequency: 902.75 MHz; Duty Cycle: 1:1 Medium: HSL900 Medium parameters used: f = 903 MHz; $\sigma = 0.943$ S/m; $\epsilon_{\gamma} = 40.797$; $\rho = 1000$ kg/m³ Ambient Temperature 22.7 °C; Liquid Temperature 21.4 °C

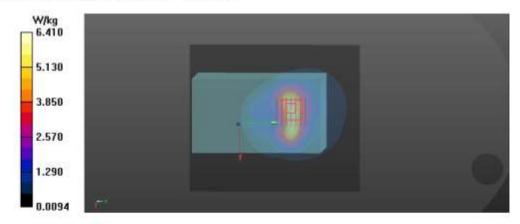
DASY5 Configuration:

- Probe: EX3DV4 SN3879; ConvF(8.23, 8.69, 8.09) @ 902.75 MHz; Calibrated: 2025-01-23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1699; Calibrated: 2025-01-21
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP:2036
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)
- Area Scan (131x151x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
 Maximum value of SAR (interpolated) = 6.41 W/kg
- Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 41.12 V/m; Power Drift = -0.10 dB
 Peak SAR (extrapolated) = 7.69 W/kg

SAR(1 g) = 4.58 W/kg; SAR(10 g) = 2.89 W/kg

Smallest distance from peaks to all points 3 dB below = 9.5 mm

Ratio of SAR at M2 to SAR at M1 = 58.5% Maximum value of SAR (measured) = 6.33 W/kg





Report No. : KES-SR250174 Page **26** / **55**

Appendix C. Probe & Dipole Antenna Calibration Certificates

The SPEAG calibration certificates are shown as follows.







Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Accredited by the Swiss Accreditation Service (SAS)

lac MRA



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

Accreditation No.: SCS 0108

Client

KES

Gyeonggi-do, Republic of Korea

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

Certificate No.

EX-3879_Jan25

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:3879

Calibration procedure(s)

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

January 23, 2025

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Calibration Date (Certificate No.)	Sched, Call
Power Sensor R&S NRP-33T	SN: 100967	28-Mar-24 (No. 217-04038)	Mar-25
Short [S6019i] + Attenuator [S6020i]	SN: L1119	26-Mar-24 (No. 217-04048)	Mar-25
DCP DAK-12	SN: 1016	24-Sept-24 (No. OCP-DAK12-1016 Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sept-24 (No. OCP-DAK3.5-1249 Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	10 Jan-25 (No. EX3-7349 Jan25)	Jan-26
DAE4	SN: 1301	07-Nov-24 (No. DAE4-1301 Nov24)	Nov-25

encertment of the control of the con	Table 14 a company		
Secondary Standards	ID	Check Date (in house)	Sched, Check
ACAP 2020 Calibration Box	SN: L1404	30-Sept-24 (No. Report_ACAP2020E-Cave_20240930s)	Sep-25

Name Function Signature

Calibrated by Kreślimir Franjić Laboratory Technician

Approved by Swen Kühn Technical Manager

Issued: January 23, 2025

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

Certificate No: EX-3879_Jan25

Page 1 of 22





Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Ilac-MRA



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

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

Polarization φ φ rotation around probe axis

Polarization θ θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., θ = 0 is

normal to probe axis

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

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

Certificate No: EX-3879_Jan25

Page 2 of 22





EX3DV4 - SN:3879 January 23, 2025

Parameters of Probe: EX3DV4 - SN:3879

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (µV/(V/m)²) ^A	0.29	0.42	0.41	±10.1%
DCP (mV) B	103.9	100.7	102.5	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	$dB\sqrt{\mu V}$	С	D dB	WR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	142.1	±1.4%	±4.7%
	1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Y	0.00	0.00	1.00		135.4		
		7	0.00	0.00	1.00		143.0		
10352	Pulse Waveform (200Hz, 10%)	X	2.74	66.25	11.58	10.00	60.0	±2.5%	±9.6%
		Y	84.00	108.00	25.00	8 2	60.0		
		Z	20.00	90.64	20.79		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	2.82	69.59	11.76	6.99	80.0	±1.3%	±9.6%
		Y	20.00	93.53	20.83		80.0	- TANKS	
		2	20.00	91.48	19.89		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	2.82	73.05	11.91	3.98	95.0	±1.1%	±9.6%
	1) Processes and the second se	Y	20.00	99.38	22.40		95.0	o server see	
		2	20.00	94.29	19.78		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	89.78	15.63	2.22	120.0	±1.1%	±9.6%
		Y	20.00	106.79	24.63		120.0		
		Z	20.00	98.36	20.42	0.42 120.0	1		
10387	QPSK Waveform, 1 MHz	X	1.58	66.35	14.82	1.00	150.0	±2.1%	±9.6%
		Y	1.62	65.46	14.57		150.0		
		2	1.68	65.48	14.59		150.0		
10388	QPSK Waveform, 10 MHz	X	2.09	67.48	15.49	0.00	150.0	±1.0%	±9.6%
	to - was on the sector the country	Y	2.13	67.06	15.27	AROTES	150.0		
		2	2.22	67.47	15.29		150.0		
10396	64-QAM Waveform, 100 kHz	X	2.75	70.32	18.58	3.01	150.0	±0.7%	±9.6%
		Y	2.76	69.71	18.41	0.0	150.0		
		Z	3.03	70.57	18.64		150.0		
10399	64-QAM Waveform, 40 MHz	X	3.43	67.03	15.69	0.00	150.0	±0.8%	+9.6%
		Y	3.47	66.80	15.58	150.0		STEELS	
		2	3.38	66.33	15.27		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.75	65.72	15.51	0.00	150.0	±1,9%	±9.6%
	10 to	Y	4.84	65.57	15.45	narani.	150.0		
		2	4.79	65.20	15.20		150.0		

Note: For details on UID parameters see Appendix

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

Certificate No: EX-3879_Jan25

Page 3 of 22

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

B Unsanzation 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.





EX3DV4 - SN:3879 January 23, 2025

Parameters of Probe: EX3DV4 - SN:3879

Sensor Model Parameters

	C1 fF	C2 fF	ν-1	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V-2	T5 V-1	T6
×	37.6	274.12	34.13	5.61	0.63	4.96	1.63	0.09	1.01
y	42.7	315.83	34.93	14.40	0.00	5.06	1.51	0.13	1.01
2	48.3	355.46	34.63	11.49	0.54	5.02	1.81	0.19	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-15.5°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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





EX3DV4 - SN:3879 January 23, 2025

Parameters of Probe: EX3DV4 - SN:3879

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc ^H (k = 2)
450	43.5	0.87	9.94	9.94	9.94	0.16	1.30	±13.3%
600	42.7	0.88	9.84	9.84	9.84	0.10	1.25	±13.3%
750	41.9	0.89	8.79	9.28	8,64	0.34	1.27	±11.0%
835	41.5	0.90	8:61	80.0	8.45	0.34	1.27	±11.0%
900	41.5	0.97	8.23	8.69	8.09	0.34	1.27	±11.0%
1750	40.1	1.37	7.57	7.99	7.44	0.34	1.27	±11.09
1900	40.0	1.40	7.11	7.50	6.98	0.34	1.27	±11.09
1950	40.0	1,40	7.33	7.74	7.20	0.34	1.27	±11.09
2450	39.2	1:80	7.15	7.54	7.02	0.34	1.27	±11.09
2600	39.0	1.96	6.80	7.18	6.68	0.34	1.27	±11.09
3500	37.9	2.91	5.91	6.23	5.80	0.34	1.27	±13.19
3700	37.7	3.12	5.92	6.24	5.81	0.34	1.27	±13.15
4600	36.7	4.04	5.49	5.80	5.40	0.33	1.27	±13.19
4800	36.4	4.25	5.73	6.04	5.62	0.33	1.27	±13.19
4950	36.3	4.40	5.63	5.94	5.52	0.32	1,27	±13.19
5200	36.0	4.66	5.14	5.43	5.05	0.30	1.27	±13.19
5300	35.9	4.76	4,95	5.22	4.86	0.29	1,27	±13.19
5500	35.6	4.96	4.77	5.04	4.69	0.28	1.27	±13.1%
5600	35.5	5.07	4.82	5.08	4.73	0.27	1.27	±13.19
5800	35.3	5.27	4.75	5.01	4.67	0.26	1.27	±13.1%

Frequency validity above 300 MHz of ±100 MHz only applies for DASY w4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the CorwF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for CorwF assessed at 5 MHz is 4–9 MHz, and CorwF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

The probes are calibrated using issue simulating liquids (TSL) that deviate for a and or by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10% if SAR correction is applied.

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 up claimater from the boundary.

The probability of t

Certificate No: EX-3879_Jan25

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





EX3DV4 - SN:3879

January 23, 2025

Parameters of Probe: EX3DV4 - SN:3879

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity [#]	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^Q	Depth ^G (mm)	Unc ^H (k = 2)
6500	34.5	6.07	5.24	5.53	5.14	0.20	1.27	±18.6%

G Frequency validity at 6.5 GHz is -6001+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration

Certificate No: EX-3879_Jan25

Frequency validary at 6.5 GHz is -600+700 MHz, and ±700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.
The probes are calibrated using tissue simulating liquids LTSL) that deviate for z and in by less than ±10% from the target values (typically better than ±8%) and are valid for TSL with deviations of up to ±10%.
ApharDepth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies between 6-10 GHz at any distance larger than half the probe tip claimater from the boundary.
If The stated uncertainty is the total calibration uncertainty (# = 2) of Norm-ConvF. This is equivalent to the uncertainty component with the symbol CF in

Table 9 of IEC/IEEE 62209-1528:2020.



January 23, 2025

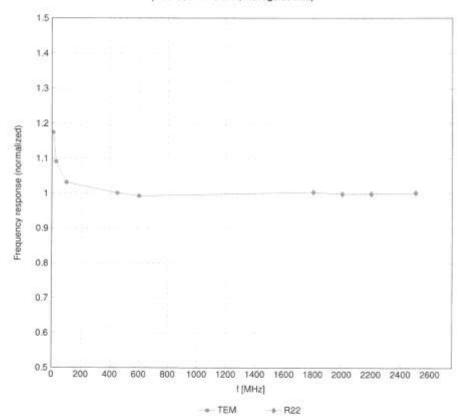


Report No.: KES-SR250174

EX3DV4 - SN:3879

Frequency Response of E-Field

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



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

Certificate No: EX-3879_Jan25

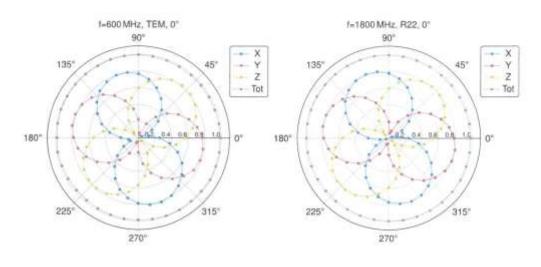
Page 7 of 22

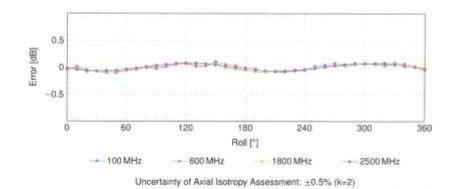




EX3DV4 - SN:3879 January 23, 2025

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





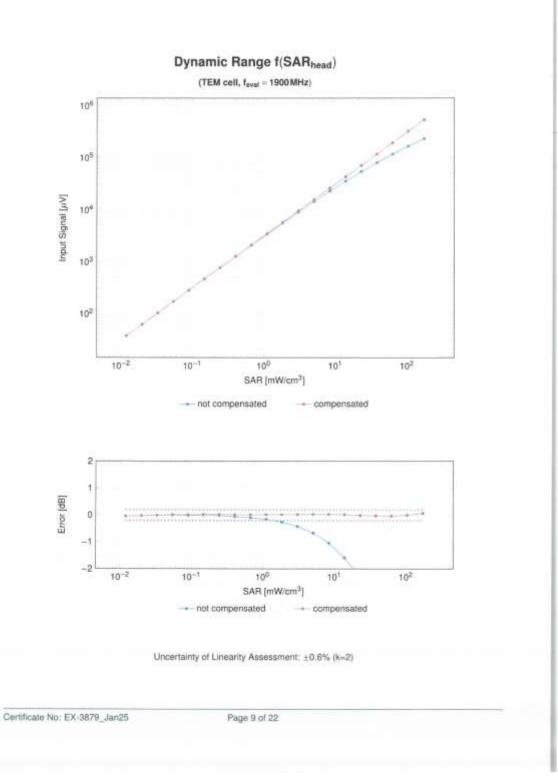
Certificate No: EX-3879_Jan25

Page 8 of 22



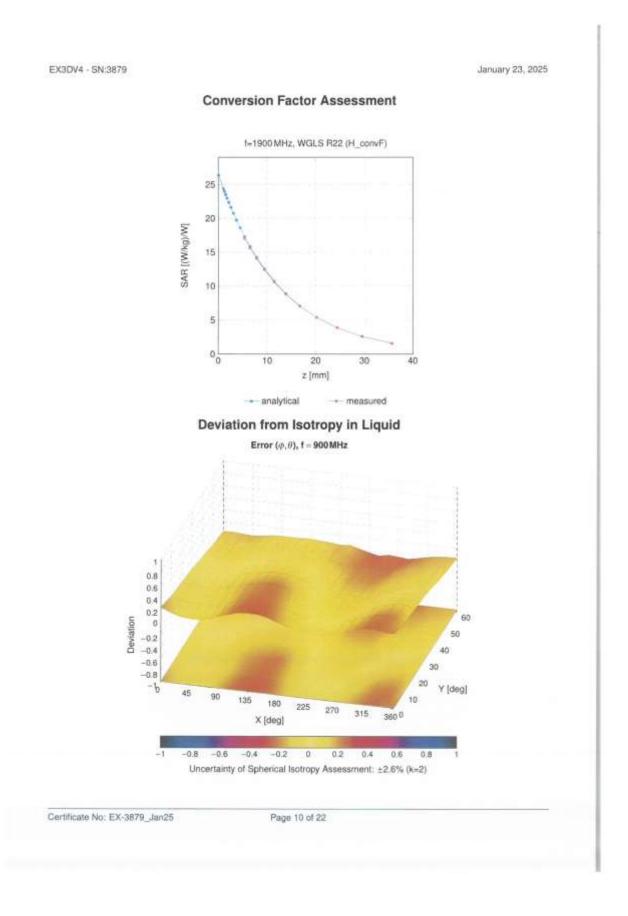


EX3DV4 - SN:3879 January 23, 2025













EX3DV4 - SN:3879 January 23, 2025

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (d8)	Unc ^E k = 2
0		CW	CW	0.00	14.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	19.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	OSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAG	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	19.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	+9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.8
10028	DAC	GPRS-FOD (TDMA, GMSK, 7N 0-1-2-3)	GSM	3,55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7,78	±9,6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	ÇAA	IEEE 802.15.1 Bluetooth (P14-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802,15.1 Bluetooth (PV4-DQPSK, DH5)	Bluetpoth	3.63	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802,15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluelooth (8-DPSK, DH5)	Bluetooth	4.10	+9.6
10039	CAB	CDMA2000 (1xRTT.RC1)	CDMA2000	4,57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Haltrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
the spinot bear	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Stot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	DAC	UMTS-TDD (TD-SCDMA, 1:28 Mcps)	TD-SCDMA	11.01	19.6
10059	CAB	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	+9.6
10060	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2Mbps) IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.12	±9.6
10061	CAB		WLAN	2.83	±9.6
10062	CAE	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps) IEEE 802.11a/h WIFI 6 GHz (OFDM, 6 Mbps)	WLAN	3.60	±9.6
10063	CAE	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mops)	WLAN	8.68	19.6
10064	CAE	IEEE 802.11a/h WIFI 5 GH2 (OFDM, 12 Mbps)	WLAN	8.63	±9.6
10065	CAE	IEEE 802,11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10066	CAE	IEEE 802.11a/h WF) 5 GHz (OFDM, 24 Mbps)	WLAN	9.00	±9.6
10067	CAE	EEE 802.11a/h WFI 5 GHz (OFDM, 36 Mbps)	WLAN	9.38	±9.6
10068	CAE	IEEE 802.11a/h WFI 5 GHz (OFDM, 48 Mbps)		1,000,000	#9.6
10069	CAE	EEE 802,11ah WFI 5 GHz (OFDM, 45 Mbps)	WLAN	10.24	±9.6
10071	CAB	IEEE 802,11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	+9.6
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802 11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	19.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	19.6
10076	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 46 Mbps)	WLAN	10,94	19.6
10077	CAB	IEEE 802.11g WIFI 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, Pt/4-DQPSK, Fullrate)	AMPS	4.77	49.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSOPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
0099	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	5.67	+9.6
0101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-GAM)	LTE-FDD	6.60	+9.6
0103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.5
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 15-QAM)	LTE-TDD	9.97	19.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 84-QAM)	LTE-TOO	10.01	19.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
0109	CAH	LTE FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
0110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	±9.6
0111	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	8.44	±9.6

Page 11 of 22





EX3DV4 - SN:3879 January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	Unc. k =
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDO	6.62	#9.6
10114	CAE	IEEE 802.11n (HT Greenfield, 13.5 Mbps, 8PSK)	WLAN	8.10	±9.6
10115	CAE	IEEE 802,11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10115	CAE	IEEE 802,11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8,15	±9.6
10117	CAE	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAE	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAE	IEEE 802,11n (HT Mixed, 135 Maps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FOD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% R8, 15 MHz, 64-QAM)	LTE-FOD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FOD (SC-FDMA, 100% RB, 1,4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10.146	CAG	LTE-FD0 (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FOD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RS, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 15-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TOD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TOD	9.92	±9.6
10153	CAH	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TOD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	19.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FOO	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% R8, 10 MHz, 64-QAM)	LTE-FOD	6.62	19.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	19.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FOO	5.82	19.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	+9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
0166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	19.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.79	19.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	19.6
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, 54-QAM)	LTE-F00	6.49	19.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	19.6
0173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TOD	9.48	19.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 54-QAM)	LTE-TOD	10.25	
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FOD	5.72	±9.6
0176	CAH	LTE-FDD (SC-FDMA, 1 RB. 10 MHz, 16-QAM)	LTE-FOD	6.52	+9.6
0177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)			±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.52	±9.6
0180	CAH		LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 54-QAM) LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	6,50	±9,6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-FDD	5.72	±9.6
10183	AAE		LTE-FOD	6.52	±9.6
10184	CAF	LTE-FDO (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-F00	6.50	±9.6
0185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FD0	5.73	±9.6
0186	AAF	LTE-FDD (SC-FDMA, 1 RB. 3MHz. 16-QAM)	LTE-FDD	6.51	±9.6
	Colon Colon	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1,4MHz, QPSK)	LTE-FDD	5,73	±9.6
-		LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0189	AAG	THE REAL PROPERTY OF THE PROPE	LTE-FDD	6.50	±9.6
0193	CAE	IEEE 802,11n (HT Greenlield, 6.5 Mbps, BPSK)	WLAN	8.09	19.6
0194	CAE		WLAN	8.12	±9.6
0195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8,21	19.6
0196	CAE	IEEE 802,11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	B.10	+9.6
0197	CAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
0198	CAE	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
0219	CAE	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
0220	CAE	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9,6
0221	CAE	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WEAN	8,27	±9.6
0222	CAE	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9,6
0223	CAE	IEEE 802.1 In (HT Mixed, 90 Mbps, 15-QAM)	WLAN	8.48	+9.6
0224	CAE	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6

Page 12 of 22





EX3DV4 - SN:3879 January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	UncE A = 2
10225	CAC	UMYS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB. 1.4 MHz, 16-QAM)	LTE-TDD	9,49	±9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TOD	10.26	±9.6
10228	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10230	CAE	LTE-TDD (SC-FDMA, 1 R8, 3 MHz, 64-QAM)	LTE-TDD	10.25	19.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TOD	9.19	19.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	19.6
10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TOD	10.25	19.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TOD	9.21	19.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TOD	9.48	19.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB. 10 MHz, 64-QAM)	LTE-TOD	10.25	
10237	CAH	LTE-TOD (SC-FDMA, 1 RB. 10 MHz, QPSK)	LTE-TOD	9.21	±9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-TOD		+9.6
10238	CAG	LTE-TOD (SC-FDMA, 1 RB, 15MHz, 64-QAM)		9.48	±9,6
10240	CAG	LTE-TOD (SC-FDMA, 1 RB. 15MHz, QPSK)	LTE-TOD	10,25	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TOD	9,21	±9,6
10242	CAC		LTE-TOD	9.82	±9.6
market and the	-	LTE-TDD (SC-FDMA, 50% RB, 1,4 MHz, 64-QAM)	LTE-TOD	9.86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1,4 MHz, QPSK)	LTE-TOO	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	TLE-LDD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TOD	9.30	±9.6
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TOD	9.91	±9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-TDD	10.09	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TOD	9.29	±9.6
10250	CAH	LTE-TDD (SC-FDMA, 50% RB, 19 MHz, 16-QAM)	LTE-TOD	9.81	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	10,17	±9.6
10252	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	19.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	LTE-TOD	9.90	±9.6
10254	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TOD	10.14	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK)	LTE-TOD	9.20	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.96	±9.6
10,257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TOD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TOO	9.34	19.6
10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10260	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDO	9.97	±9.6
10261	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDO	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	LTE-TDO	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64 QAM)	LTE-TDD	10,16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	+9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TOD	10.08	±9.6
10269	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	±9.6
10270	CAG	LTE-TDD (SC-FDMA, 100% R8, 15MHz, QPSK)	LTE-TOD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Sublest 5, 3GPP Rel8,10)	WCDMA	4.87	19.6
10275	CAC	UMTS-FDD (HSUPA, Sublest 5, 3GPP Rei8.4)	WCDMA	3.96	±9.6
10277	CAA	PHS (QPSK)	PHS	11.81	±9.6
10278	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.5)	PHS	11.81	±9.6
10279	CAA	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	PHS	12.18	19.6
10290	AAB	COMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	19.6
10291	AAB	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.46	19.6
10292	AAB	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.39	±9.6
10293	AAB	CDMA2000, RC3, SO3, Full Rate	CDMA2000	3.50	±9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	GDMA2000	12.49	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20MHz, QPSK)	LTE-FDD	5.81	
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-FDD	5.72	±9.6
10299	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-FDD	6.39	100000
10300	AAE	LTE-FDD (SC-FDMA, 50% RB. 3MHz, 64-QAM)	- I the state of t	-	±9.6
10301	AAA	EEE 802 16e WMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	LTE-FDD	6.60	±9.6
10302	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WMAX	12.03	19.6
10303	AAA	IEEE 802.16e WIMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WMAX	12,57	19.6
10304	AAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	37 11-7 10-7	12.52	2.9.6
10305	AAA	IEEE 802.16e WIMAX (31.15, 10 ms, 10 MHz, 64 QAM, PUSC, 15 symbols)	WIMAX	11.86	19.6
10306	AAA	IEEE 802,16e WMAX (31.16, 10 ms, 10 MHz, 64QAM, PUSC, 16 symbols)	WMAX	15.24	±9.6
	1000	THE THE PARTY OF T	WMAX	14.67	±9.6

Page 13 of 22





EX3DV4 - SN:3879 January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	UncE N = 2
10307	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14,49	±9.6
10308	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 160AM, PUSC)	WIMAX.	14.46	±9/6
10309	AAA.	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16 QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAA	IDEN 1:3	IDEN	10.51	±9.6
10314	AAA.	IDEN 1:6	IDEN	13.48	±9.6
10315	BAA	IEEE 802.11b WIFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	+9.6
10316	BAA	IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	19.6
10317	AAE	IEEE 802.11a WIFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	6.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Wavelorm (200Hz, 20%)	Generic	6.99	+9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	#9.6
10396	AAA	54-QAM Waveform, 100 kHz	Generic	6.27	±9,6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAF	IEEE 802.11ac WIFI (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAF	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WEAN	8.60	±9.6
10402	AAF	IEEE 802.11ac WIFI (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	#9.6
10403	AAB	CDMA2000 (1xEV-OO, Rev. 0)	CDMA2000	3.76	±9,6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QP5K, UL Subframe=2.3.4,7.8.9, Subframe Cont=4)	LTE-TOD	7,82	±9.6
10414	AAA	WLAN CCDF, 84-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802,11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9,6
10416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps. 99pc duty cycle, Long preambule)	WLAN	B.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preembule)	WLAN	8.19	±9.6
10422	AAD	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAD	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 18-QAM)	WLAN	8.47	±9.6
10424	and point a factor	IEEE 802,11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9,6
10425	AAD	IEEE 802,11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAD	IEEE 802.11n (HT Greenfield, 90 Mbps. 16-QAM)	WLAN	8.45	19.6
10427	make the second	IEEE 802.11n (HT Greenfield, 150 Mbps. 64-QAM)	WLAN	8.41	19.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
	AAD	LTE-FDO (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	the state of the s	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB	LTE-FDD (OFDMA, 20MHz, E-TM 3.1)	LTE-FDD	9.34	±9.6
10435	AAG	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10447	AAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, OPSK, UL Subtrame+2,3,4,7,8.9)	LTE-TOD	7.82	±9.6
10448	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LYE-FOD	7.56	±9.6
10448	AAD		LTE-FOD	7.53	±9.6
0.450	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%) LTE-FDD (OFDMA, 20MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.51	±9.6
10451	AAB	W-COMA (BS Test Model 1, 64 DPCH, Clipping 44%)	LTE-FDD	7.48	±9.6
10453	AAE	Validation (Square, 10 ms. 1 ms)	WCDMA	7.59	±9.6
10455	AAD	Validation (Square, 10 ms. 1 ms) IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	Test	10.00	19.6
0457	AAB	UMTS-FDD (DC-HSDPA)	WLAN	8.63	±9,6
0458	AAA	CDMA2000 (1xEV-DD, Rev. B. 2 carriers)	WCDMA	6.62	19.6
-	AAA	CDMA2000 (1xEV-DO, Rev. B. 3 carriers)	CDMA2000 CDMA2000	6.55	±9.6
0.459:1	AAB	UMTS-FDD (WCDMA, AMR)	1.5000000000000000000000000000000000000	8.25	±9.6
the state of the state of		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2.3.4,7,8,9)	WCDMA	2.39	±9.6
0460	1,11,100	MINISTER DAY OF THE PARTY OF STATE OF S	LTE-TDD	7.82	±9.6
0.460 0.461	AAC			p. 200	
0460 0461 0462	AAC AAC	LTE-TDO (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subtrame=2.3.4,7,8,9)	LTE-TDD	8.30	#9.6
0.460 0.461 0.462 0.463	AAC AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2.3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2.3.4,7,8,9)	LTE-TOD	8.56	±9.6
0460 0461 0462 0463 0464	AAC AAC AAC AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subtrame=2.3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subtrame=2.3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subtrame=2.3.4.7.8.9)	LTE-TOD LTE-TOD	8.56 7.82	±9.6 ±9.6
0460 0461 0462 0463 0464 0465	AAC AAC AAC AAD AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-OAM, UL Subtrame-2.3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subtrame-2.3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subtrame-2.3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subtrame-2.3.4.7.8.9)	LTE-TOD LTE-TOD LTE-TOD	8.56 7.82 8.32	±9.6 ±9.6 ±9.6
0460 0461 0462 0463 0464 0465 0466	AAC AAC AAD AAD AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-OAM, UL Subtrame=2.3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 54-QAM, UL Subtrame=2.3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, OPSK, UL Subtrame=2.3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subtrame=2.3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 54-QAM, UL Subtrame=2.3.4.7.8.9)	LTE-TOD LTE-TOD LTE-TOD LTE-TOD LTE-TOD	8.56 7.82 8.32 8.57	±9.6 ±9.6 ±9.6 ±9.6
0460 0461 0462 0463 0464 0465 0466 0467	AAC AAC AAD AAD AAD AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subtrame=2,3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subtrame=2,3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subtrame=2,3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subtrame=2,3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subtrame=2,3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 0PSK, UL Subtrame=2,3.4.7.8.9)	LTE-TOD LTE-TOD LTE-TOD LTE-TOD LTE-TOD LTE-TOD	8.56 7.82 8.32 8.57 7.82	±9.6 ±9.6 ±9.6 ±9.6 ±9.6
0.469 0.461 0.462 0.463 0.463 0.465 0.465 0.466 0.467 0.468	AAC AAC AAD AAD AAD AAG AAG	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3.4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD LTE-TOD LTE-TOD LTE-TOD LTE-TOD LTE-TOD LTE-TOD LTE-TOD	8.56 7.82 8.32 8.57 7.62 8.32	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6
0460 0461 0462 0463 0464 0465 0466 0467	AAC AAC AAD AAD AAD AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subtrame=2,3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subtrame=2,3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subtrame=2,3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subtrame=2,3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subtrame=2,3.4.7.8.9) LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 0PSK, UL Subtrame=2,3.4.7.8.9)	LTE-TOD LTE-TOD LTE-TOD LTE-TOD LTE-TOD LTE-TOD	8.56 7.82 8.32 8.57 7.82	±9.6 ±9.6 ±9.6 ±9.6 ±9.6

Page 14 of 22





EX3DV4 - SN:3879 January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10472	AAG	LTE-TDD (SC-FDMA, 1 RB. 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7.8,9)	LTE-TOD	7.82	±9.fi
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3.4,7.8.9)	LTE-TOD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB. 15 MHz. 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	5.57	±9.8)
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM, UL Subframe=2,3,4,7,8.9)	LTE-TOD	8.32	±9.6
10478	AAG	LTE-TDO (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe-2,3.4,7.8.9)	LTE-TOD	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-TOD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7.8,9)	LTE-TOD	8.18	19.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subtrame+2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subtrame=2,3.4,7,8,9)	LTE-TOD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TOD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	+9.6
10485	AAG.	LTE-TDD (5C-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.59	19.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz. 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.38	±9.6
1048?	AAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM, UL Subhame=2,3,4,7,8,9)	LTE-TOD	8.60	19.6
10.488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subtrame=2.3,4,7,8,9)	LTE-TOD	7.70	±9.6
10.489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-QAM, UL Subframe) 2,3.4,7,8,9)	LTE-TOD	8,31	19.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3.4,7.8.9)	LTE-TOD	8.54	±9.6
10.491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TDD	7.74	19.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB. 15MHz, 16-QAM, Ut. Subframe=2,3,4,7,8,9)	LTE-TOD	8,41	19.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB. 15MHz, 64-QAM, UL Subframe+2,3.4,7.8.9)	LTE-TOO	8.55	+9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TDD	7.74	19.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM, UL Subframe~2,3.4,7.8.9)	LTE-TDD	8.37	19.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe-2.3.4.7.8.9)	LTE-TOD	8.54	±9.6
10497	AAC	LTE:TDD (SC-FDMA, 100% RB, 1,4MHz, QPSK, UL Subframe+2,3,4,7,8,9)	LTE-TOD	7,67	19.6
10498	AAC	LTE-TDD (5C-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2.3.4.7.8.9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB. 1.4 MHz, 64-QAM, UL Subtrame=2.3,4,7,8.9)	LTE-TOD	8.68	19.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK, UL Subframe=2.3.4,7.8.9)	LTE-TOD	7.67	19.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3.4,7,8,9)	LTE-TOD	8.44	+9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, UL Subframe=2.3,4.7,8,9)	LTE-TOD	8.52	19.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK, UL Subframe=2.3.4,7.8.9).	LTE-TOD	7.72	±9.6
10504	AAG	I.TE-TDD (SC-FDMA, 100% R8, 5 MHz, 16-QAM, UL Subframe=2,3;4,7,8,9)	LTE-TDD	8.31	+9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Subframe=2.3.4.7,8.9)	LTE-TOD	8.54	19.6
10506	AAG	LTE-TDD (SC-FDMA, 100% R8, 10 MHz, QPSK, UL Subframe=2.3,4,7,8.9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subtrame=2,3.4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% R8, 10 MHz, 64-QAM, UL Subframev2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2.3,4,7.8,9)	LTE-TOD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM, UL Subtrame=2,3,4,7,8.9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7,74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subtrame+2;3,4,7,8,9)	LTE-TOD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8.9)	LTE-TOD	8,45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9,6
10517	AAA	IEEE 802,11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAD	IEEE 802,11a/h WIFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	6.23	19.6
10519	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9,6
10521	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAD	IEEE 802,11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	19.6
10523	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	+9.6
10524	AAD	IEEE B02.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	+9.6
10525	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAD	IEEE 802.11ac WIFI (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	+9.6
10528	AAD	IEEE 802.11ac WIFI (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAD	IEEE 802.11ac WIFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAD	IEEE 802.11ac WIF (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.43	±9.6
10532	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAD	IEEE 802,11ac WFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	(JAA)	IEEE B02.11ac WiFi (40 MHz. MCS2, 99pc duty cycle)	WLAN	8.32	≘9.6
10537	AAD	IEEE 802.11ac WiFr (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
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10538	AAD	IEEE 802.11ac WIFI (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6

Page 15 of 22





EX3DV4 - SN:3879 January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	UncE k = 2
10541	AAD	IEEE B02.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8,46	±9.6
10542	AAD	IEEE 802 11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duly cycle)	WLAN	8.65	±9.6
10544	AAD	IEEE 802,11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAD	IEEE 802.11ac WiFI (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAD	IEEE 802,11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	19.6
10547	AAD	IEEE 802.11ac WiFI (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	19.6
10548	AAD	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	19.6
10550	AAD	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAD	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	19.6
10552	AAD	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
10563	CAA	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	+9.6
10554	AAE	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	19.6
10555	AAE	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAE	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAE	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	19.6
10558	AAE	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	19.6
10560	AAE	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAE	IEEE 802.11ac WIFI (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAE	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAE	IEEE 802.11ac WIFI (150 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10584	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WEAN	8.25	19.6
10:585	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10566	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10.587	AAA	IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802,11g WiFi 2.4 GHz (OSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	19.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (OSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	
10571	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN		±8.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)		1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (OSSS, 2Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10574	AAA	IEEE 802.11b WIF 2.4 GHz (OSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA		WLAN	1,98	±9.6
10576	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g W/FI 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	9.70	±9.6
mint armore regarded about	and the second second	IEEE 802 11g WIFI 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	19.6
10579	AAA	IEEE 802,11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	19.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	19.6
10583	AAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	+9.6
10584	CAA	IEEE 802,11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10:589	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10.590	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10591	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10.592	AAD	IEEE 802.11n jHT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9,6
10595	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MC\$6, 90pc duty cycle)	WLAN	8.72	±9.6
10508	AAD	IEEE 802.11n (HT Mixed, 20 MHz, MGS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600	AAD.	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	88.8	+9.6
10601	AAD)	IEEE 802.11n (HT Mixed. 40 MHz. MCS2, 90pc duty cycle)	WLAN.	8.82	19.6
10-602	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MC53, 90pc duty cycle)	WLAN	8.94	±9.6
10603	CAA	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.00	±9.6
10604	AAD	IEEE 802.11n (HT Mixed, 40 MHz, MCSS, 90pc duty cycle)	WLAN	8.76	±9.6
10605	(IAA,	IEEE 802,11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10806	AAD:	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10607	AAD	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	+9.6
10508	AAD	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc-duty cycle)	WLAN	8.77	±9.6

Certificate No: EX-3879_Jan25 Page 16 of 22





EX3DV4 - SN:3879

January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E h = 2
10609	AAD	IEEE 802,11ac WiFi (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9,6
10610	AAD	IEEE 802,11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAD	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAD	IEEE 802.11ac WIFi (20 MHz, MCSS, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAD	IEEE 802.11ac WiFi (20 MHz, MC56, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAD	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	±9.6
10615	AAD	(EEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAD	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	19.6
10617	AAD	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	19.6
10618	AAD	IEEE 802,11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	19.6
10619	AAD	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	19.6
10620	AAD	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)			
10621	AAD	to the property of the state of	WLAN	8.87	±9.6
-	AAD	IEEE 802 11ac WIFI (40 MHz, MCSS, 90pc duty cycle)	WLAN	8.77	19.6
10822		IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAD	IEEE 802.11ac WIFI (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10624	AAD	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAD	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	5.96	±9.6
10626	AAD	IEEE 802,11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	6.83	±9,6
10627	AAD	IEEE 802.11ac WiFi (86 MHz, MCS1, 90pc duty cycle)	WLAN	6.88	±9.6
10628	AAD	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	6.71	±9.6
10629	AAD	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAD	IEEE 802,11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WEAN	8.72	19.6
10631	AAD	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	19.6
10632	AAD	IEEE 802,11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAD	IEEE 802,11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.63	19.6
10634	AAD	IEEE 802.11sc WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	19.6
10635	AAD	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	19.6
10636	AAE	IEEE 802.11ac WiFi (160 MHz. MCS0, 90pc duty cycle)	WLAN	8.83	19.6
10637	AAE	IEEE 802.11ac W/Fi (160 MHz. MCS1, 90pc duty cycle)			
10638	AAE	IEEE 802.11ac WFI (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.79	±9.6
10639	AAE		WLAN	8.86	±9.6
te freshes territoria		IEEE 802 11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAE	IEEE 802.11ac WiFi (180 MHz, MCS4, 90pc duty cycle)	WLAN	9.98	±9.6
10641	AAE	IEEE 802.11ac WFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAE	IEEE 802.11ac WIFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAE	IEEE 802,11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	AAE	IEEE 802.11ac WIFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAE	IEEE 802,11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9,11	±9.6
10646	AAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subtrame=2.7)	LTE-TDD	11.96	+9.6
10647	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2.7)	LTE-TOD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3,45	±9,6
10652	AAF	LTE-TDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	+9.6
10653	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7.42	19.6
10654	AAE	LTE-TDD (OFDMA, 15MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	6.96	±9.6
10655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	+9.6
10-658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10-659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10680	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	19.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	19.6
10662	AAB	Puise Wayeform (200Hz, 80%)	Test	0.97	19.6
10670	AAA	Bluetooth Low Energy			
10671	AAC	THE PARTY OF THE P	Bluetooth	2.19	#9.6
		IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9,6
_					±9.6
0672	AAC	IEEE 802 11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8,57	
0672 0673	AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
10672 10673 10674	AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN WLAN	8.78 8.74	±9.6 ±9.6
10672 10673 10674 10675	AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN WLAN WLAN	8.78 8.74 8.90	±9.6 ±9.6 ±9.6
10672 10673 10674 10675	AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN WLAN WLAN WLAN	8.78 8.74 8.90 8.77	±9.6 ±9.6 ±9.6 ±9.6
0672 0673 0674 0675 0676 0677	AAC AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN WLAN WLAN	8.78 8.74 8.90	±9.6 ±9.6 ±9.6
10672 10673 10674 10675 10676 10677	AAC AAC AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN WLAN WLAN WLAN	8.78 8.74 8.90 8.77	±9.6 ±9.6 ±9.6 ±9.6
10672 10673 10674 10675 10676 10677 10678 10679	AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN	8.78 8.74 8.90 8.77 8.73	±9.6 ±9.6 ±9.6 +9.6
10672 10673 10674 10675 10676 10677 10678 10679 10680	AAC AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN	8.78 8.74 8.90 8.77 8.73 8.78	±9.6 ±9.6 ±9.6 ±9.6 ±9.6
10672 10673 10674 10675 10676 10676 10677 10678 10679 10680	AAC AAC AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS4, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) 8EEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.76 8.74 8.90 8.77 8.73 8.78 8.89	±9.6 ±9.6 ±9.6 +9.6 ±9.6 ±9.6 ±9.6
0672 0673 0674 0675 0676 0676 0677 0678 0679 0680	AAC AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.78 8.74 8.90 8.77 8.73 8.78 8.89 8.80	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.5
10672 10673 10674 10675 10676 10677 10678 10679 10680 10681	AAC AAC AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.76 8.74 8.90 8.77 8.73 8.78 8.89 8.80 6.62 8.83	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.5 ±9.6 ±9.6
0672 0673 0674 0675 0676 0677 0678 0679 0680 0681 0682 0683	AAC AAC AAC AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) BEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.78 8.74 8.90 8.77 8.73 8.78 8.89 8.80 6.62 8.83 8.42	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.5 ±9.6 ±9.6
10672 10673 10674 10675 10676 10677 10678 10679	AAC AAC AAC AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS3, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS5, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS7, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS8, 90pc duty cycle) BEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN WLAN WLAN WLAN WLAN WLAN WLAN WLAN	8.76 8.74 8.90 8.77 8.73 8.78 8.89 8.80 6.62 8.83	±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.6 ±9.5 ±9.6 ±9.6

Page 17 of 22





EX3DV4 - SN:3879 January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	UncE k = 2
10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	+9.6
10689	AAC	(EEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	+9.6
10890	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	(EEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	19.6
10693	AAC	(EEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	19.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	19.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	19.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	19.6
10899	AAC	The first of the f	1000000		
	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN WLAN	8,82	19.6
10700	-	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	1007.01	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	19.6
10703	AAC	IEEE 802,11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	19.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	19.6
10.706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	19.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	19.6
10708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9,6
10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	19.6
10712	AAC	IEEE 802.11ax (40 MHz. MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	+9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10.717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz. MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11sx (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz. MCS1, 90pc duty cycle)	WLAN	8.07	±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 802.11ex (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9,6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	
10728	AAC				±9.6
10729	AAC	IEEE 802,11ax (88 MHz, MCS9, S0pc duty cycle)	WLAN	8.65	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duly cycle)	WLAN	8.64	±9.6
Service of the Contract of the	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731		IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz. MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
10735	AAC	IEEE 802,11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
10736	AAC	IEEE 802.11ax (80 MHz, MCSS, 99pc duty cycle)	WLAN	8.27	19.6
10737	AAC	IEEE 802,11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802,11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8,42	±9.6
10739	AAC	IEEE 802.11ax (80 MHz. MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802,11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	19.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	B.40	±9.6
10742	AAC	IEEE 802.11ax (80 MHz, MC511, 99pc duty cycle)	WLAN	8,43	±9.6
10743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	#9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCSS, 90pc duty cycle)	WLAN	8.93	±9,6
10749	AAC	IEEE 802,11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9,6
10751	AAC	IEEE 802,11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	+9.6
10.752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

Page 18 of 22





EX3DV4 - SN:3879 January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	Unc $^{\rm E}$ $k=2$
10753	AAC	IEEE 802.11ax (160MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9,6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10756	AAC	IEEE B02.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz. MCS2, 99pc duty cycle)	WEAN	8,77	±9.6
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
10.760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	8,49	±9.6
10781	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.58	19,6
10762	AAC	IEEE B02.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz; MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz; MCS9, 99pc duty cycle)	W.AN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MGS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	19.6
10.767	AAG	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR: TDD	7.99	±9.6
10768	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	3.6±
10769	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 15kHz)	SG NR FR1 TDD	8.01	±9.6
10770	AAE	SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	9G NR FR1 TDD	8.02	±9.6
10771	AAD	50 NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	19.6
10772	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAF	5G NR (CP-OFDM, 1 RB. 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAE	5G NR (CP-OFDM, 1 RB. 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAF	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, CPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAE	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9,6
10780	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAF.	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	+9,6
10782	AAE	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9,6
10783	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 MHz)	5G NR FR1 TDD	8.29	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.40	±9.6
10786	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TOD	8,44	19.6
10788	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	8.39	±9.6
10789	AAF	5G NR (CP-OFDM, 100% RB, 40MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	19.6
10790	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TOD	8.39	19.8
10791	AAG	50 NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	19.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAE	50. NR (CP-OFDM, 1 RB, 20 MHz, CPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10.797	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	8.01	+9.6
10.798	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	7.89	19.6
10799	AAF	5G NR (CP-OFDM, 1 RB, 60 MHz, CPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	19.6
10.802	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, GPSK, 30 kHz)	5G NR FR1 TDD	7.87	19.6
10803	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	50 NR FR1 TDD	7.93	19.6
10805	AAE	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	19.6
10806	CAA	5G NR (CP-OFDM, 58% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	19.6
10.809	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, OPSK, 30 kHz)	50 NR FR1 TDD	8.34	19.6
0810	AAF	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FRI TDD	8.34	±9.6
0812	AAF	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	+9.6
0817	AAG	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
0818	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
0819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	8.33	±9.6
0820	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
0821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8,41	±9.6
0822	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
0823	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
0824	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
0825	AAF	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
0827	AAF	5G NR (CP-OFDM, 100% RB, 80MHz, QPSK, 30KHz)	5G NR FR1 TDD	8.42	19.6
0828	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	19.6
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EX3DV4 - SN:3879

January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10829	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QP5K, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAE	5G NR (CP-OFDM, 1 RB, 10 MHz, GPSK, 60 kHz)	5G NR FR1 TDD	7,63	±9,6
10831	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 80 kHz)	5G NR FR1 TDD	7.73	±9.6
10832	AAE	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 60NHz)	5G NR FR1 TDD	7.70	±9,6
10834	AAE	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10835	AAF	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	SG NR FR1 TDD	7.70	19.6
10836	AAE	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 60kHz)	5G NR FR1 TDD	7.66	19.6
10837	AAF	SG NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	19.6
10839	AAF	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TOD	7.70	19.6
10840	AAE	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.67	±9.6
10841	AAF	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 60 kHz)	56 NR FR1 TDD	7.71	±9.6
10843	AAD	5G NR (GP-OFDM, 50% RB, 15MHz, QPSK, 60×Hz)	5G NR FR1 TDD	8.49	±9.6
10844	AAE	5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 60kHz)	5G NR FR1 TDD	8.34	±9.6
10846	AAE	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,41	±9.6
10854	AAE	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	50 NR (CP-OFDM, 100% RB, 15MHz, QPSK, 60kHz)	SG NR FR1 TDD	8.36	±9.6
10856	AAE	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAE	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,36	±9.6
10859	AAF	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAF	50 NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10.863	AAF	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8,41	±9.6
10864	AAE	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10.965	AAF	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAF	5G NR (DFTs-OFDM, 1 RB, 100MHz, QPSK, 30kHz)	SG NR FR1 TDD	5.68	±9.6
10868	AAF	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9,6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NA FR2 TOD	5.75	±9,6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9,6
10871	AAE	5G NR (DFT-ti-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	19.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	19.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	19.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7,95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8,41	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	+9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-e-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFTs-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAE	5G NR (DFTs-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	SG NR FR2 TDD	6.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	+9.6
10886	AAE	5G NR (DFT-e-OFDM, 100% RB, 50 MHz, 54QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	9G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 120kHz)	5G NR FR2 TD0	8.35	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TD0	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 190% RB, 50 MHz, 16GAM, 120 kHz)	5G NR FR2 TDO	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8,41	±9,6
10897	AAE	5G NR (DFT-6-OFDM, 1 RB, 5 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
0999	AAB	5G NR (DFT-6-OFDM, 1 RB, 15MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
2.000	1000	5G NR (DFT-s-OFDM, 1 R8, 20 MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25MHz, QPSK, 30NHz)	5G NR FR1 TDD	5.68	±9.6
0902	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0903	AAD	SG NR (DFT-s-OFDM, 1 R8, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0904	AAC	50 NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TOO	5.68	±9.6
0905	AAD	5G NR (DFT-a-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	AAD	5G NR (DFT-s-OFDM, 1 R8, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
0907	AAE	5G NR (DFT+s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
0908	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TD0	5.93	±9.6
0909	AAB	SG NR (DFT+-OFDM, 50% R8, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
	AAC	5G NR (DFT-e-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.83	±9.6

Page 20 of 22





EX3DV4 - SN:3879 January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	UncE k = 2
10911	AAB.	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.93	±9,6
10912	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	#9.6
10913	AAD	5G NR (DFT-6-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAC	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	5.85	±9.6
10915	AAD	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.80	±9.6
10916	AAD	5G NR (DFT s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAD	53 NR (DFT-s-OFDM, 50% RB, 100MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAE	5G NR (DFTs-OFDM, 100% RB, 5MHz, QPSK, 30 kHz)	SG NR FR1 TDD	5.86	±9.6
10919	AAC	9G NR (DFTs-OFDM, 100% RB, 10MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15MHz; QPSK, 30 kHz)	5G NR FR1 TDD	5,87	±9.6
10921	AAC	5G NR (DFT:s-OFDM, 100% RB, 20MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAC	5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 30 KHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAD	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	19.6
10925	AAC	5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 30 kHz)	5G NR FR1 YDD	5.95	±9,6
10926	AAD	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAD	5G NR (DFT-6-OFDM, 100% RB, 88 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAD	5G NR (DFT-s-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5,52	19,6
10929	AAD	5G NR (DFTs-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	19.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	SG NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	551	19.6
10934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	19.6
10935	AAD	5G NR (DFT-6-OFDM, 1 RB, 50MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.51	±9.6
10936	(AAD)	5G NR (DFF-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	19.6
10937	AAD	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FOD	5.77	±9.6
10938	AAC	5G NR (DFT/s-OFDM, 50% RB, 15 MHz, QPSK, 15 NHz)	5G NR FR1 FDD	5.90	19.6
10839	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
10940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	19.6
10941	AAG	5G NR (DFT-6-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10.942	AAC	5G NR (DFT-s-OFDM, 50% RB. 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.96	±9.6
10944	CAA	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.81	19.6
10945	AAD	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFTs-OFDM, 100% RB, 15MHz, QP5K, 15kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	19.6
10960	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5,94	±9,6
10951	AAD	SG NR (DFT-e-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
10952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.25	±9.6
10953	AAA	SG NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
10954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.23	+9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	.5G NR FR1 FDD	8.42	±9.6
10956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
10957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz; 64-QAM, 30 kHz)	5G NR FR1 FD0	8.31	19.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz)	5G NR FR1 FD0	8.61	±9.6
10959	AAA	SG NR DL (CP-DFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	29.6
10960	AAE	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.32	±9.6
10951	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	19.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	SG NR FR1 TDD	9.40	±9.6
0963	AAC	5G NR DL (CP-QFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
0964	AAE	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
	AAC	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
0966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
0967	AAC	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-GAM, 30 kHz)	5G NR FR1 TDD	9.42	+9.6
0968		5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
0972	AAC	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15kHz)	5G NR FR1 TDD	11.59	±9.6
0973	AAD.	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FRT TDD	9,08	±9.6
0974	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz; 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
0978	AAA	ULLA BOR	ULLA	1,16	±9.6
0979	AAA	LALLA HDR4	OULA	8.58	±9.6
0.980	AAA	ULLA HDR8	ULLA	10.32	19.6
0.981	AAA	ULLA HDRo8	ULLA	3.19	±9.6
0.982		CH. Ca. Pr. SPONE.	LitLA	3.43	±9.6

Page 21 of 22





EX3DV4 - SN:3879

January 23, 2025

UID	Rev	Communication System Name	Group	PAR (dB)	Unc $E k = 2$
10983	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TOD	9.31	±9.6
10084	BAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAC	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	50 NR FR1 TDD	9.54	±9.6
10986	BAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAC	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	19.6
10988	SAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAC	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	BAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5B NR DL (CP-DEDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G'NR FR1 FD0	8.70	+9.6
11006	AAA	5G NR DL (CP-OFOM, 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, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	53 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)	50 NR FR1 FDD	8.76	±9.6
11010	AAA	9G 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)	SG 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	AAB	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	19.6
11014	AAB	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	19.6
11015	AAB	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAB	IEEE 802,11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	19.6
11017	AAB	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	19.6
11018	AAB	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	19.6
11019	AAS	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAB	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAB	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	19.6
11022	AAB	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAB	IEEE 802,11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
1024	BAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	19.6
1025	AAB	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAB	IEEE 802.11be (320 MHz, MC50, 99pc duty cycle)	WLAN	8.39	±9.6

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

Certificate No: EX-3879_Jan25

Page 22 of 22





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Client

KES

Gyeonggi-do, Republic of Korea

Certificate No.

D900V2-094 Jan25

CALIBRATION CERTIFICATE

Object D900V2 - SN: 094

Calibration procedure(s) QA CAL-05.v12

Calibration Procedure for SAR Validation Sources between 0.7 - 3 GHz

Calibration date January 17, 2025

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID.	Cal Date (Certificate No.)	Scheduled Cal
Power Sensor R&S NRP-33T	SN: 100967	28-Mar-24 (No. 217-04038)	Mar-25
Power Sensor R&S NRP18A	SN: 101859	22-Jul-24 (No. 4030A315008547)	Jul-25
Spectrum Analyzer R&S FSV40	SN: 101832	25-Jan-24 (No. 4030-315007551)	Jan-25
Mismatch, Short [S4188] Attenuator [S4423]	SN: 1152	28-Mar-24 (No. 217-04050)	Mar-25
OCP DAK-12	SN: 1016	24-Sept-24 (No. OCP-DAK12-1016_Sep24)	Sep-25
OCP DAK-3.5	SN: 1249	23-Sept-24 (No. OCP-DAK3.5-1249_Sep24)	Sep-25
Reference Probe EX3DV4	SN: 7349	10-Jan-25 (No. EX3-7349_Jan25)	Jan-26
DAE4ip	SN: 1836	28-Oct-24 (No. DAE4ip-1836_Oct24)	Oct-25

Secondary Standards	ID .	Check Date (in house)	Scheduled Check
ACAD Source Box	SN: 1000	28 May 24 (No. 675-ACAD_Source_Box-240528)	May-25
Signal Generator R&S SMB100A	SN: 182081	28-May-24 (No. 675-CAL16-S4588-240528)	May-25
Mismatch; SMA	SN: 1102	22-May-24 (No. 675-Mismatch_SMA-240522)	May-25

Name	Function	Signature
Paulo Pina	Laboratory Technician	tali-
Sven Kühn	Technical Manager	Son
	Paulo Pina Sven Kühn	Paulo Pina Laboratory Technician Sven Kühn Technical Manager

Certificate No: D900V2-094_Jan25

Page 1 of 6





Calibration Laboratory of

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Glossary

TSL tissue simulating liquid
ConvF sensitivity in TSL / NORM x,y,z
N/A not applicable or not measured

Calibration is Performed According to the Following Standards

- 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.
- KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Additional Documentation

· DASY System Handbook

Methods Applied and Interpretation of Parameters

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The dipole is mounted with the spacer to position its feed point exactly below the center marking of the flat phantom section, with the arms oriented parallel to the body axis.
- Feed Point Impedance and Return Loss: These parameters are measured with the dipole positioned under the liquid filled phantom. The impedance stated is transformed from the measurement at the SMA connector to the feed point. The Return Loss ensures low reflected power. No uncertainty required.
- Electrical Delay: One-way delay between the SMA connector and the antenna feed point. No uncertainty required.
- . SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna connector.
- . SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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

Certificate No: D900V2-094_Jan25

Page 2 of 6





D900V2 - SN: 094 January 17, 2025

Measurement Conditions

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

DASY Version	DASY8 Module SAR	16.4.0
Extrapolation	Advanced Extrapolation	
Phantom	Modular Flat Phantom	
Distance Dipole Center - TSL	15 mm	with spacer
Zoom Scan Resolution	dx, dy = 6mm, dz = 1.5mm	Graded Ratio = 1.5 mm (Z direction)
Frequency	900MHz ±1MHz	

Head TSL parameters at 900 MHz

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	41.5	0.970 mho/m
Measured Head TSL parameters	(22.0 ±0.2)°C	41.5 ±6%	0.930 mha/m ±6%
Head TSL temperature change during test	< 0.5 °C		

SAR result with Head TSL at 900 MHz

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	2.73 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	10.9 W/kg ±17.0% (k = 2)

SAR averaged over 10 cm ² (10 g) of Head TSL	Condition	
SAR for nominal Head TSL parameters	24 dBm input power	1.74 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	6.93 W/kg ±16.5% (k = 2)

Certificate No: D900V2-094_Jan25

Page 3 of 5





D900V2 - SN: 094 January 17, 2025

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL at 900 MHz

Impedance	48.6 Ω – 4.3 jΩ		
Return Loss	-26.8 dB		

General Antenna Parameters and Design

Electrical Delay (one direction)	1.406 ns
Electrical Soldy (disc directority	1,400 113

After long term use with 100W radiated power, only a slight warming of the dipole near the feedpoint can be measured. The dipole is made of standard semirigid coaxial cable. The center conductor of the feeding line is directly connected to the second arm of the dipole. The antenna is therefore short-circuited for DC-signals. On some of the dipoles, small end caps are added to the dipole arms in order to improve matching when loaded according to the position as explained in the "Measurement Conditions" paragraph. The SAR data are not affected by this change. The overall dipole length is still according to the Standard. No excessive force must be applied to the dipole arms, because they might bend or the soldered connections near the feedpoint may be damaged.

Additional EUT Data

Manufactured by	SPEAG

Certificate No: D900V2-094_Jan25

Page 4 of 6





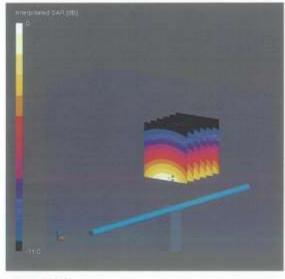
D900V2 - SN: 094 January 17, 2025

System Performance Check Report

Summary								
Dipole		Freq	sency (Mite)		731	Fower [dIm]		
D900V2 - 5N094		900			HSL.	24		
Exposure Condition	5							
Phanton Section, TSL	Text Distance [mm]	Band	Group, UID	Frequency (MHz).	Channel Number	Conversion Factor	TSL Conductions (S/m)	TSI. Parmittivity
7lat	15		CW. 9	940.0		9-32	8.91	30.5
Hardware Setup								
Pharmorn	TSt. Measured Date	te.	Pro	be, Calibration Date		DAE,	Calibration Date	
Flat V4.9 mod	HSL, 2025-01-17		00	Ova - 5N7349, 262	25-01-10	DATE	p Sn 1836, 2024-10-26	
Scans Setup					Measuremen	nt Results		
				Zoirm Scan				Zpom Sca

	Zoam Scan
Grid Extents (mm)	30 x 30 x 30
Grid Stegn (mm)	\$,0 × 6,0 × 1.1
Serour Surface (mm)	6.6
Gradell Grid	Yei
Grading Ratio	1,1
MAIA	N/A
Surface Detection	VMS + 6p
Scan Method	Musured

	Zouri Scan
Date	2625-01-17
⇒rzwz18 (M\K0)	2.71
psSAILT0g (NCKg)	1.74
Power Drift [cff]	0.00
Power Scaling	Disabled
Scaling Factor (dB)	
TSL Correction	Positive / Negative



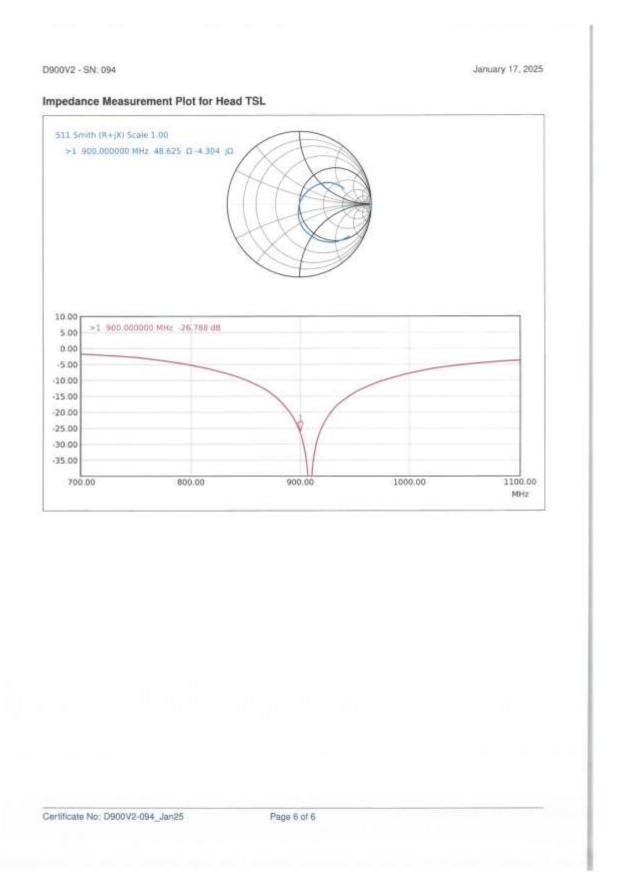
 $0~dB \approx 4.10~W/Kg$

Certificate No: D900V2-094_Jan25

Page 5 of 6









Report No. : KES-SR250174 Page **55** / **55**

Appendix D. SAR Tissue Specifications

Measurement Procedure for Tissue verification:

- 1) The network analyzer and probe system was configured and calibrated.
- 2) The probe was immersed in the tissue. The tissue was placed in a nonmetallic container. Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle.
- 3) The complex admittance with respect to the probe aperture was measured.
- 4) The complex relative permittivity ε ' can be calculated from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\varepsilon_{r}\varepsilon_{0}}{\left[\ln(b/a)\right]^{2}} \int_{a}^{b} \int_{a}^{b} \int_{0}^{a} \cos\phi' \frac{\exp\left[-j\omega/(\mu_{0}\varepsilon_{r}^{2}\varepsilon_{0})^{1/2}\right]}{r} d\phi' d\rho' d\rho$$

where Y is the admittance of the probe in contact with the sample, the primed and unprimed coordinates refer to source and observation points, respectively, $r_2 = \rho_2 + \rho'_2 - 2\rho\rho'\cos\phi'$, ω is the angular frequency, and $j = \sqrt{-1}$.

Table D-1 Composition of the Tissue Equivalent Matter

Table B 1 composition of the 1133de Equivalent Matter			
Frequency (MHz)	900		
Tissue	Head		
Ingredients (% by weight)			
Bactericide	-		
DGBE	-		
HEC	1.00		
Nacl	1.48		
Bacteraicide	0.10		
Sugar	56.5		
Water	40.92		

Table D-2 Recommended Tissue Dielectric Parameters (IEC 1528-2013)

Frequency (MHz)	Relative permittivity (&;)	Conductivity (σ (S/m)
300	45.3	0.87
450	43.5	0.87
750	41.9	0.89
835	41.5	0.90
900	41.5	0.97
1450	40.5	1.20
1500	40.4	1.23
1640	40.2	1.31
1750	40.1	1.37
1800	40.0	1.40
1900	40.0	1.40
2000	40.0	1.40
2100	39.8	1.49
2300	39.5	1.67
2450	39.2	1.80
2600	39.0	1.96
3000	38.5	2.40
3500	37.9	2.9/
4000	37.4	3.43
4500	36.8	3.94
5000	36.2	4.45
5200	36.0	4.66
5400	35.8	4.86
5600	35.5	5.07
5800	35.3	5.27
6000	35.1	5,48

The End.