



TEST REPORT

Applicant: QUANZHOU KAILI ELECTRONICS CO., LTD.

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Base),Xiamei Town,Nanan,Quanzhou City,Fujian Province,China

Product Name: Two Way Radio

FCC ID: 2AQX5KD-C170L

Standard(s): 47 CFR Part 2(2.1093)

Report Number: XMTN1240221-08748E-20A

Report Date: 2024/03/26

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).

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SAR TEST RESULTS SUMMARY

Mode		Max. SAR Level(s) Repo	Limit	
DTT:/A/A 5500 A/S 51453AH		1g Head SAR(Face Up)	0.21	1 ((W/l-a)
F11(402.55	PTT(462.5500-467.7125MHz)		0.67	1.6 (W/kg)
Applicable Standards	IEEE1528:2013 IEEE Recommended Practic Absorption Rate (SAR) in the Measurement Techniques RF Exposure Procedures: KDB procedures KDB 447498 D01 General F KDB 865664 D01 SAR Mea	RF Exposure Guidance v06 asurement 100 MHz to 6 GHz	atial-Average S _I Communication	
KDB 865664 D02 RF Exposure Reporting v01r02 KDB 643646 D01 SAR Test for PTT Radios v01r03				

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Note: This wireless device has been shown to be capable of compliance for localized specific absorption rate (SAR) for General Population/Uncontrolled Exposure limits specified in FCC 47 CFR part 2.1093 and has been tested in accordance with the measurement procedures specified in IEEE 1528-2013 and RF exposure KDB procedures.

The results and statements contained in this report pertain only to the device(s) evaluated.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	XMTN1240221-08748E-20A	Original Report	2024/03/26

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1.GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Two Way Radio
EUT Model:	KD-C170L
Multiple Model:	KD-C172L
Device Type:	Portable
Exposure Category:	General Population/Uncontrolled Exposure
Antenna Type(s):	Integral Antenna
Body-Worn Accessories:	Belt Clip
Face-Head Accessories:	None
Operation Mode:	PTT_FM
Frequency Band:	462MHz(462.5500-462.7250MHz)
rrequency Danu.	467MHz(467.5625-467.7125 MHz)
RF Output Power(ERP):	462MHz (462.5500-462.7250 MHz): 31.02 dBm 467MHz (467.5625-467.7125 MHz): 25.54 dBm
Power Source:	3.7 VDC From Rechargeable Battery
Serial Number:	2HVE-1
Normal Operation:	Face Up and Body-worn
EUT Received Date:	2024/02/21
Test Date: 2024/02/29	
EUT Received Status:	Good

Note:

The Multiple models are electrically identical with the test model. Please refer to the declaration letter for more detail, which was provided by manufacturer.

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2.REFERENCE, STANDARDS, AND GUIDELINES

FCC:

The Report and Order requires routine SAR evaluation prior to equipment authorization of portable transmitter devices, including portable telephones. For consumer products, the applicable limit is 1.6 mW/g as recommended by the ANSI/IEEE standard C95.1-1992 [6] for an uncontrolled environment (Paragraph 65). According to the Supplement C of OET Bulletin 65 "Evaluating Compliance with FCC Guide-lines for Human Exposure to Radio frequency Electromagnetic Fields", released on Jun 29, 2001 by the FCC, the device should be evaluated at maximum output power (radiated from the antenna) under "worst-case" conditions for normal or intended use, incorporating normal antenna operating positions, device peak performance frequencies and positions for maximum RF energy coupling.

This report describes the methodology and results of experiments performed on wireless data terminal. The objective was to determine if there is RF radiation and if radiation is found, what is the extent of radiation with respect to safety limits. SAR (Specific Absorption Rate) is the measure of RF exposure determined by the amount of RF energy absorbed by human body (or its parts) – to determine how the RF energy couples to the body or head which is a primary health concern for body worn devices. The limit below which the exposure to RF is considered safe by regulatory bodies in North America is 1.6 mW/g average over 1 gram of tissue mass.

2.1 SAR Limits

FCC Limit

	SAR (W/kg)				
EXPOSURE LIMITS	(General Population / Uncontrolled Exposure Environment)	(Occupational / Controlled Exposure Environment)			
Spatial Average (averaged over the whole body)	0.08	0.4			
Spatial Peak (averaged over any 1 g of tissue)	1.60	8.0			
Spatial Peak (hands/wrists/feet/ankles averaged over 10 g)	4.0	20.0			

Population/Uncontrolled Environments are defined as locations where there is the exposure of individual who have no knowledge or control of their exposure.

Occupational/Controlled Environments are defined as locations where there is exposure that may be incurred by people who are aware of the potential for exposure (i.e. as a result of employment or occupation).

General Population/Uncontrolled environments Spatial Peak limit 1.6W/kg (FCC) applied to the EUT.

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2.2 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China.

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The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 829273, the FCC Designation No.: CN5044.

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3.DESCRIPTION OF TEST SYSTEM

These measurements were performed with the automated near-field scanning system DASY5 from Schmid & Partner Engineering AG (SPEAG) which is the Fifth generation of the system shown in the figure hereinafter:



DASY5 System Description

The DASY5 system for performing compliance tests consists of the following items:



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- 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.
- A data acquisition electronics (DAE) which performs the signal application, 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 Win7 professional operating system and the DASY52 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.

DASY5 Measurement Server

The DASY5 measurement server is based on a PC/104 CPU board with a 400MHz Intel ULV Celeron, 128MB chip-disk and 128MB RAM. The necessary circuits for communication with the DAE4 (or DAE3) electronics box, as well as the 16 bit AD-converter system for optical detection and digital I/O interface are contained on the DASY5 I/O board, which is directly connected to the PC/104 bus of the CPU board.

The measurement server performs all real-time data evaluation of field measurements and surface detection, controls robot movements and handles safety operation. The PC operating system cannot interfere with these time critical



processes. All connections are supervised by a watchdog, and disconnection of any of the cables to the measurement server will automatically disarm the robot and disable all program-controlled robot movements. Furthermore, the measurement server is equipped with an expansion port which is reserved for future applications. Please note that this expansion port does not have a standardized point out, and therefore only devices provided by SPEAG can be connected. Devices from any other supplier could seriously damage the measurement server.

Data Acquisition Electronics

The data acquisition electronics (DAE4) consist of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder with a control logic unit. Transmission to the measurement server is accomplished through an optical downlink for data and status information, as well as an optical uplink for commands and the clock.

The mechanical probe mounting device includes two different sensor systems for frontal and sideways probe contacts. They are used for mechanical surface detection and probe collision detection.

The input impedance of both the DAE4 as well as of the DAE3 box is 200MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.

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EX3DV4 E-Field Probes

Frequency	4 MHz - 10 GHz Linearity: ± 0.2 dB (30 MHz to 10 GHz)
Directivity	\pm 0.1 dB in TSL (rotation around probe axis) \pm 0.3 dB in TSL (rotation normal to probe axis)
Dynamic Range	10 μ W/g to > 100 mW/g Linearity: \pm 0.2 dB (noise: typically < 1 μ W/g)
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%.
Compatibility	DASY3, DASY4, DASY52, DASY6, DASY8 SAR, EASY6, EASY4/MRI

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SAM Twin Phantom

The SAM twin phantom is a fiberglass shell phantom with 2mm shell thickness (except the ear region, where shell thickness

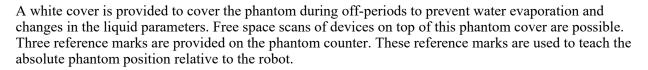
increases to 6 mm). The phantom has three measurement areas:

- Left Head
- Right Head
- Flat phantom

The phantom table for the DASY systems based on the robots have the size of 100 x 50 x 85 cm (L x W x H). For easy dislocation these tables have fork lift cut outs at the bottom.

The bottom plate contains three pairs of bolts for locking the device holder. The device holder positions are adjusted to the

standard measurement positions in the three sections. Only one device holder is necessary if two phantoms are used (e.g., for different liquids)



Robots

The DASY5 system uses the high precision industrial robot. The robot offers the same features important for our application:

- High precision (repeatability 0.02mm)
- High reliability (industrial design)
- Low maintenance costs (virtually maintenance free due to direct drive gears; no belt drives)
- Jerk-free straight movements (brushless synchrony motors; no stepper motors)
- Low ELF interference (motor control fields shielded via the closed metallic construction shields)

The above mentioned robots are controlled by the Staubli CS7MB robot controllers. All information regarding the use and maintenance of the robot arm and the robot controller is contained on the CDs delivered along with the robot. Paper manuals are available upon request direct from Staubli.

Area Scans

Area scans are defined prior to the measurement process being executed with a user defined variable spacing between each measurement point (integral) allowing low uncertainty measurements to be conducted. Scans defined for FCC applications utilize a 15mm 2 step integral, with 1.5mm interpolation used to locate the peak SAR area used for zoom scan assessments.

Where the system identifies multiple SAR peaks (which are within 25% of peak value) the system will provide the user with the option of assessing each peak location individually for zoom scan averaging.

Zoom Scan (Cube Scan Averaging)

The averaging zoom scan volume utilized in the DASY5 software is in the shape of a cube and the side dimension of a 1 g or 10 g mass is dependent on the density of the liquid representing the simulated tissue. A density of 1000 kg/m³ is used to represent the head and body tissue density and not the phantom liquid density, in order to be consistent with the definition of the liquid dielectric properties, i.e. the side length of the 1g cube is 10mm, with the side length of the 10g cube is 21.5mm.

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When the cube intersects with the surface of the phantom, it is oriented so that 3 vertices touch the surface of the shell or the center of a face is tangent to the surface. The face of the cube closest to the surface is modified in order to conform to the tangent surface.

The zoom scan integer steps can be user defined so as to reduce uncertainty, but normal practice for typical test applications (including FCC) utilize a physical step of 7 x7 x 7 (5mmx5mmx5mm) providing a volume of 30 mm in the X & Y & Z axis.

Tissue Dielectric Parameters for Head and Body Phantoms

The head tissue dielectric parameters recommended by the IEEE 1528-2013

Recommended Tissue Dielectric Parameters for Head liquid

Table 3—Target dielectric properties of head tissue-equivalent material in the 300 MHz to 6000 MHz frequency range

Frequency	Relative permittivity	Conductivity (σ)	
(MHz)	(ε' ,)	(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	2.91	
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	

NOTE—For convenience, permittivity and conductivity values at some frequencies that are not part of the original data from Drossos et al. [B60] or the extension to 5800 MHz are provided (i.e., the values shown in italics). These values were linearly interpolated between the values in this table that are immediately above and below these values, except the values at 6000 MHz that were linearly extrapolated from the values at 3000 MHz and 5800 MHz.

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4. EQUIPMENT LIST AND CALIBRATION

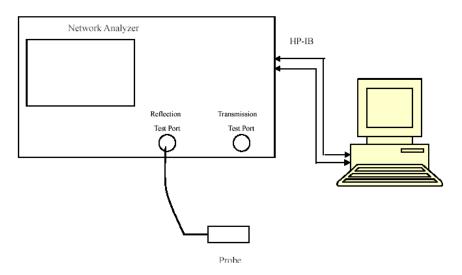
4.1 Equipments List & Calibration Information

Equipment	Model	S/N	Calibration Date	Calibration Due Date
DASY5 Test Software	DASY52.10	N/A	NCR	NCR
DASY5 Measurement Server	DASY5 4.5.12	1470	NCR	NCR
Data Acquisition Electronics	DAE4	772	2024/1/23	2025/1/22
E-Field Probe	EX3DV4	3801	2023/6/23	2024/6/22
Dipole, 450MHz	D450V3	1107	2022/10/24	2025/10/23
Mounting Device	MD4HHTV5	SD 000 H01 KA	NCR	NCR
Oval Flat Phantom	ELI V8.0	2051	NCR	NCR
Simulated Tissue 450 MHz Head	TS-450H	2309045001	Each Time	/
Network Analyzer	8753C	3033A02857	2023/11/18	2024/11/17
Dielectric assessment kit	1253	SM DAK 040 CA	NCR	NCR
synthesized signal generator	8665B	3438a00584	2023/10/18	2024/10/17
Power Meter	E4419B	MY45103907	2023/10/18	2024/10/17
Power Amplifier	ZHL-5W-202-S+	416402204	NCR	NCR
Directional Coupler	441493	520Z	NCR	NCR
Attenuator	20dB, 100W	LN749	NCR	NCR
Attenuator	6dB, 150W	2754	NCR	NCR
Thermometer	DTM3000	3635	2023/8/11	2024/8/10
Hygrothermograph	HTC-2	EM072	2023/11/6	2024/11/5
Spectrum Analyzer	FSV40	101589	2023/10/11	2024/10/10

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5. SAR MEASUREMENT SYSTEM VERIFICATION

5.1 Liquid Verification



Liquid Verification Setup Block Diagram

Liquid Verification Results

Frequency	Liquid Type	Liquid Ta Parameter Liquid Type		Target Value		Delta (%)		Tolerance
(MHz)	Liquiu Type	ε _r	O' (S/m)	$\epsilon_{ m r}$	O' (S/m)	$\Delta \epsilon_{ m r}$	ΔΟ΄ (S/m)	(%)
450	Simulated Tissue 450 MHz Head	42.814	0.872	43.5	0.87	-1.58	0.23	±5
462.6375	Simulated Tissue 450 MHz Head	42.597	0.883	43.43	0.87	-1.92	1.49	±5
467.6375	Simulated Tissue 450 MHz Head	42.476	0.884	43.41	0.87	-2.15	1.61	±5

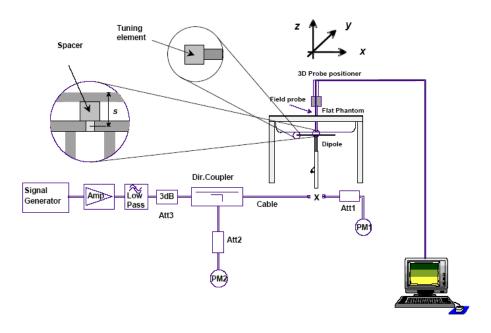
^{*}Liquid Verification above was performed on 2024/02/29

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5.2 System Accuracy Verification

Prior to the assessment, the system validation kit was used to test whether the system was operating within its specifications of $\pm 10\%$. The validation results are tabulated below. And also the corresponding SAR plot is attached as well in the SAR plots files.

System Verification Setup Block Diagram



System Accuracy Check Results

Date	Frequency Band	Liquid Type	Input Power (mW)	S	sured AR //kg)	Target Value (W/kg)	Delta (%)	Tolerance (%)
2024/02/29	450 MHz	Simulated Tissue 450 MHz Head	1000	1g	4.61	4.52	1.99	±10

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5.3 SAR SYSTEM VALIDATION DATA

System Performance 450 MHz Head

DUT: Dipole 450 MHz; Type: D450V3; Serial: 1107

Communication System: CW; Frequency: 450 MHz; Duty Cycle: 1:1

Medium parameters used: f = 450 MHz; $\sigma = 0.872$ S/m; $\varepsilon_r = 42.814$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3801; ConvF(10.11, 10.11, 10.11) @ 450 MHz; Calibrated: 2023/6/23

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn772; Calibrated: 2024/1/23

Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051

• Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (7x19x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 4.68 W/kg

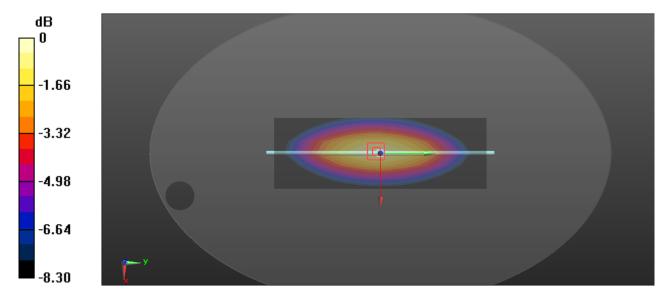
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.48 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.47 W/kg

SAR(1 g) = 4.61 W/kg; SAR(10 g) = 3.15 W/kg

Maximum value of SAR (measured) = 4.79 W/kg



0 dB = 4.79 W/kg = 6.80 dBW/kg

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6. EUT TEST STRATEGY AND METHODOLOGY

6.1 Test positions for Front-of-face configurations

Passive body-worn and audio accessories generally do not apply to the head SAR of PTT radios. Head SAR is measured with the front surface of the radio positioned at 2.5 cm parallel to a flat phantom. A phantom shell thickness of 2 mm is required. When the front of the radio has a contour or non-uniform surface with a variation of 1.0 cm or more, the average distance of such variations is used to establish the 2.5 cm test separation from the phantom.

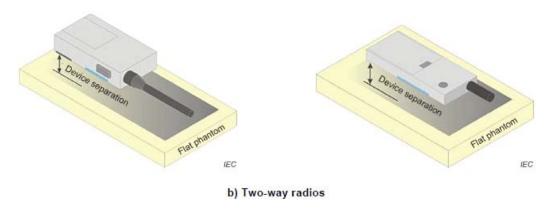


Figure 10 - Test positions for front-of-face devices

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6.2 Test positions for body-worn and other configurations

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations. Devices with a headset output should be tested with a headset connected to the device. When multiple accessories that do not contain metallic components are supplied with the device, the device may be tested with only the accessory that dictates the closest spacing to the body. When multiple accessories that contain metallic components are supplied with the device, the device must be tested with each accessory that contains a unique metallic component. If multiple accessories share an identical metallic component (e.g., the same metallic belt-clip used with different holsters with no other metallic components), only the accessory that dictates the closest spacing to the body must be tested.

Body-worn accessories may not always be supplied or available as options for some devices that are intended to be authorized for body-worn use. A separation distance of 1.5 cm between the back of the device and a flat phantom is recommended for testing body-worn SAR compliance under such circumstances. Other separation distances may be used, but they should not exceed 2.5 cm. In these cases, the device may use body-worn accessories that provide a separation distance greater than that tested for the device provided however that the accessory contains no metallic components.

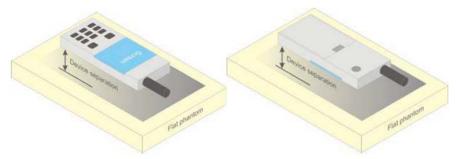


Figure 5 - Test positions for body-worn devices

6.3 Test Distance for SAR Evaluation

In this case the DUT(Device Under Test) is set directly against the phantom, the test distance is 0mm for Body Back mode; for Face Up mode the distance is 25mm.

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6.4 SAR Evaluation Procedure

The evaluation was performed with the following procedure:

Step 1: Measurement of the SAR value at a fixed location above the ear point or central position was used as a reference value for assessing the power drop. The SAR at this point is measured at the start of the test and then again at the end of the testing.

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- Step 2: The SAR distribution at the exposed side of the head was measured at a distance of 4 mm from the inner surface of the shell. The area covered the entire dimension of the head or radiating structures of the EUT, the horizontal grid spacing was 15 mm x 15 mm, and the SAR distribution was determined by integrated grid of 1.5mm x 1.5mm. Based on these data, the area of the maximum absorption was determined by spline interpolation. The first Area Scan covers the entire dimension of the EUT to ensure that the hotspot was correctly identified.
- Step 3: Around this point, a volume of 30 mm x 30 mm x 30 mm was assessed by measuring 7x 7 x 7 points. On the basis of this data set, the spatial peak SAR value was evaluated under the following procedure:
 - 1) The data at the surface were extrapolated, since the center of the dipoles is 1.2 mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.3 mm. The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.
 - 2) The maximum interpolated value was searched with a straightforward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed by the 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 integrated with the trapezoidal-algorithm. One thousand points (10 x 10 x 10) were interpolated to calculate the averages.

All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

Step 4: Re-measurement of the SAR value at the same location as in Step 1. If the value changed by more than 5%, the evaluation was repeated.

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7. CONDUCTED OUTPUT POWER MEASUREMENT

7.1 Test Procedure

The RF output of the transmitter was connected to the input of the Spectrum Analyzer through sufficient attenuation.



The Signal Analyzer setting:

RBW	VBW
100 kHz	300 kHz

7.2 Maximum Target Output Power

Mode	Max. ERP(with tolerance) for Production Unit (dBm)
462MHz(462.5500-462.7250 MHz)	31.5
467MHz(467.5625-467.7125 MHz)	26

7.3 Test Results:

Mode	Frequency (MHz)	Conducted Output power (dBm)	Antenna Gain(dBd)	ERP (dBm)
462MHz(462.5500-462.7250 MHz)	462.6375	32.17	-1.15	31.02
467MHz(467.5625-467.7125 MHz)	467.6375	26.69	-1.15	25.54

Note:

Per IEEE 1528:2013, the width of the transmit frequency band, $\Delta f = f_{high} - f_{low}$ (where f_{high} is the highest frequency in the band and f_{low} is the lowest) does not exceeds 1% of its center frequency f_c .then only center frequency need be tested.

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Antennas Location:



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8. SAR MEASUREMENT RESULTS

This page summarizes the results of the performed dosimetric evaluation.

8.1 SAR Test Data

Environmental Conditions

Temperature:	22.2-22.9 ℃
Relative Humidity:	43 %
ATM Pressure:	101.1 kPa
Test Date:	2024/02/29

Testing was performed by Mark Dong.

Test Result:

			Max.	Max.		1 g SA	R Value	e(W/kg)	
Test Mode	Frequency (MHz)			Rated Power (dBm)	Scaled Factor	Meas. SAR	PTT 50% Factor	Scaled SAR	Plot
Head Face Up	462.6375	None	31.02	31.5	1.117	0.369	0.1845	0.21	1#
(25 mm)	467.6375	None	25.54	26	1.112	0.069	0.0345	0.04	2#
Body Back	462.6375	Belt Clip	31.02	31.5	1.117	1.2	0.60	0.67	3#
(0 mm)	467.6375	Belt Clip	25.54	26	1.112	0.248	0.124	0.14	4#

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Note:

- 1. For a PTT, only simplex communication technology was supported, so the SAR value need to be corrected by Multiplying 50%.
- 2. Passive body-worn and audio accessories generally do not apply to the head SAR of PTT radios.
- 3. The whole antenna and radiating structures that may contribute to the measured SAR or influence the SAR distribution has been included in the area scan.
- 4.The UHF bands in this device operate in a half duplex system. A half duplex system only allows the user to transmit or receive. This device cannot transmit and receive simultaneously. The user must stop transmitting in order to receive a signal or listen for a response, regardless of PTT button or with a VOX(Voice Activated Transmit) capacity. This type of operation, along with the RF safety booklet, which instructs the user to transmit no more than 50% of the time, justifies the use of 50% duty factor for this device.

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9. SAR SIMULTANEOUS TRANSMISSION DESCRIPTION

9.1 Simultaneous Transmission:

Note: There is no multiple transmitters for the product, so simultaneous transmission need not to evaluate.

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10. MEASUREMENT VARIABILITY

In accordance with published RF Exposure KDB procedure 865664 D01 SAR measurement 100 MHz to 6 GHz v01. These additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results

- 1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.
- 2) When the original highest measured SAR is ≥ 0.80 W/kg, repeat that measurement once.
- 3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurement is ≥ 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg ($\sim 10\%$ from the 1-g SAR limit).
- 4) Perform a third repeated measurement only if the original, first or second repeated measurement is ≥1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

Note: The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

The Highest Measured SAR Configuration in Each Frequency Band

Head Face Up

SAR probe	F D 1	Eng (MII-)	EUT D:4:	Meas. SA	AR (W/kg)	Largest to
calibration point			EUT Position	Original	Repeated	Smallest SAR Ratio
/	/	/	/	/	/	/

Body Back

SAR probe	Eraguanay Dand	Freq.(MHz)	EUT Position	Meas. SA	AR (W/kg)	Largest to Smallest	
calibration point	Frequency Band Freq.(MH.		EU1 Position	Original	Repeated	SAR Ratio	
/	/ / /		/	/	/	/	

Note:

- 1. Second Repeated Measurement is not required since the ratio of the largest to smallest SAR for the original and first repeated measurement is not > 1.20.
- 2. The measured SAR results **do not** have to be scaled to the maximum tune-up tolerance to determine if repeated measurements are required.
- 3. SAR measurement variability must be assessed for each frequency band, which is determined by the **SAR probe calibration point and tissue-equivalent medium** used for the device measurements.

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APPENDIX A - MEASUREMENT UNCERTAINTY

The uncertainty budget has been determined for the measurement system and is given in the following Table.

Measurement uncertainty evaluation for IEEE1528-2013 SAR test

Uncertainty component	Tolerance/ uncertainty ± %	Probability distribution	Divisor	ci (1 g)	ci (10 g)	Standard uncertainty ± %, (1 g)	Standard uncertainty ± %, (10 g)
	T	Measurement	system	1		T	
Probe calibration(k=1)	6.55	N	1	1	1	6.6	6.6
Axial isotropy	4.7	R	√3	√0.5	√0.5	1.9	1.9
Hemispherical isotropy	9.6	R	√3	√0.5	√0.5	3.9	3.9
Boundary effect	1.0	R	√3	1	1	0.6	0.6
Linearity	4.7	R	√3	1	1	2.7	2.7
System detection limits	1.0	R	√3	1	1	0.6	0.6
Modulation response	0.0	R	√3	1	1	0.0	0.0
Readout electronics	0.3	N	1	1	1	0.3	0.3
Response time	0.0	R	√3	1	1	0.0	0.0
Integration time	0.0	R	√3	1	1	0.0	0.0
RF ambient conditions-noise	1.0	R	√3	1	1	0.6	0.6
RF ambient conditions-reflections	1.0	R	√3	1	1	0.6	0.6
Probe positioner mech. tolerance	0.8	R	√3	1	1	0.5	0.5
Probe positioning with respect to phantom shell	6.7	R	√3	1	1	3.9	3.9
Extrapolation, interpolation, and integrations algorithms for max. SAR evaluation	2.0	R	√3	1	1	1.2	1.2
		Test sample r	related			1	
Test sample positioning	3.3	N	1	1	1	3.3	3.3
Device holder uncertainty	4.7	N	1	1	1	4.7	4.7
Output power variation – SAR draft measurement	5.0	R	√3	1	1	2.9	2.9
SAR scaling	2.8	R	√3	1	1	1.6	1.6
	Phan	tom and tissue	paramete	rs		t	•
Phantom shell uncertainty – shape, thickness and permittivity	4.0	R	√3	1	1	2.3	2.3
Uncertainty in SAR correction for deviations in permittivity and conductivity	1.9	N	1	1	0.84	1.9	1.6
Liquid conductivity meas.	2.5	N	1	0.78	0.71	2.0	1.8
Liquid permittivity meas.	2.5	N	1	0.23	0.26	0.6	0.7
Liquid conductivity – temperature uncertainty	1.7	R	√3	0.78	0.71	0.8	0.7
Liquid permittivity – temperature uncertainty	0.3	R	√3	0.23	0.26	0.0	0.0
Combined standard uncertainty		RSS				12.1	12.0
Expanded uncertainty (95 % confidence interval)		k=2				24.2	24.0

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APPENDIX B - SAR PLOTS

Plot 1#:462.6375MHz_Face Up

DUT: Two Way Radio; Type: KD-C170L; Serial: 2HVE-1

Communication System: FM; Frequency: 462.637 MHz; Duty Cycle: 1:1

Medium parameters used: f = 462.637 MHz; $\sigma = 0.883 \text{ S/m}$; $\varepsilon_r = 42.597$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3801; ConvF(10.11, 10.11, 10.11) @ 462.637 MHz; Calibrated: 2023/6/23

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn772; Calibrated: 2024/1/23

Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051

Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

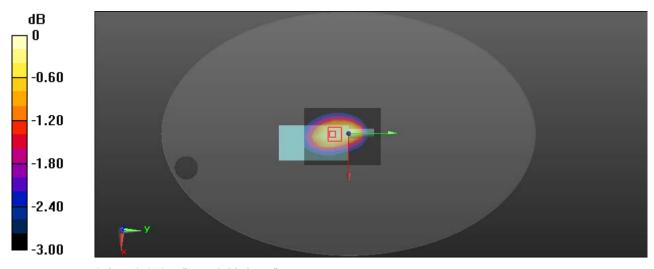
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.411 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.23 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.274 W/kg Maximum value of SAR (measured) = 0.414 W/kg



0 dB = 0.414 W/kg = -3.83 dBW/kg

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Plot 2#:467.6375MHz Face Up

DUT: Two Way Radio; Type: KD-C170L; Serial: 2HVE-1

Communication System: FM; Frequency: 467.637 MHz; Duty Cycle: 1:1

Medium parameters used: f = 467.637 MHz; $\sigma = 0.884 \text{ S/m}$; $\varepsilon_r = 42.476$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

• Probe: EX3DV4 - SN3801; ConvF(10.11, 10.11, 10.11) @ 467.637 MHz; Calibrated: 2023/6/23

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn772; Calibrated: 2024/1/23

Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051

• Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

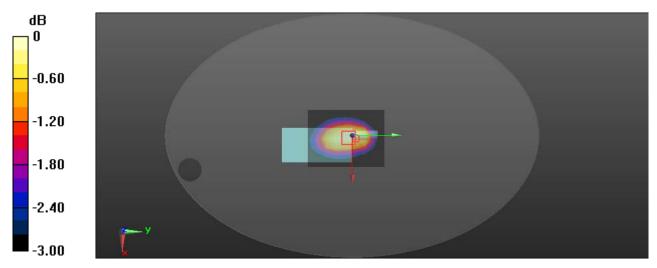
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.0787 W/kg

Zoom Scan (6x8x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.948 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.128 W/kg

SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.052 W/kg Maximum value of SAR (measured) = 0.0794 W/kg



0 dB = 0.0794 W/kg = -11.00 dBW/kg

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Plot 3#:462.6375MHz Body Back

DUT: Two Way Radio; Type: KD-C170L; Serial: 2HVE-1

Communication System: FM; Frequency: 462.637 MHz; Duty Cycle: 1:1

Medium parameters used: f = 462.637 MHz; $\sigma = 0.883 \text{ S/m}$; $\varepsilon_r = 42.597$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

• Probe: EX3DV4 - SN3801; ConvF(10.11, 10.11, 10.11) @ 462.637 MHz; Calibrated: 2023/6/23

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn772; Calibrated: 2024/1/23

• Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051

• Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

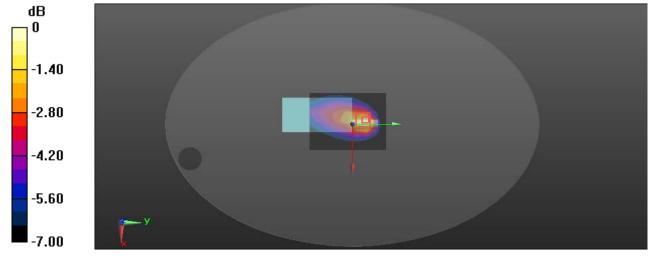
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 1.43 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.71 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 5.67 W/kg

SAR(1 g) = 1.2 W/kg; SAR(10 g) = 0.611 W/kg Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.24 dBW/kg

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Plot 4#:467.6375MHz Body Back

DUT: Two Way Radio; Type: KD-C170L; Serial: 2HVE-1

Communication System: FM; Frequency: 467.637 MHz; Duty Cycle: 1:1

Medium parameters used: f = 467.637 MHz; $\sigma = 0.884 \text{ S/m}$; $\varepsilon_r = 42.476$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

• Probe: EX3DV4 - SN3801; ConvF(10.11, 10.11, 10.11) @ 467.637 MHz; Calibrated: 2023/6/23

• Sensor-Surface: 1.4mm (Mechanical Surface Detection)

• Electronics: DAE4 Sn772; Calibrated: 2024/1/23

• Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051

• Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

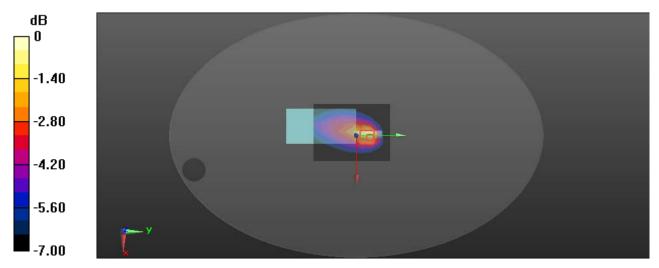
Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm Maximum value of SAR (measured) = 0.256 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.93 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.19 W/kg

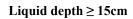
SAR(1 g) = 0.248 W/kg; SAR(10 g) = 0.124 W/kgMaximum value of SAR (measured) = 0.277 W/kg

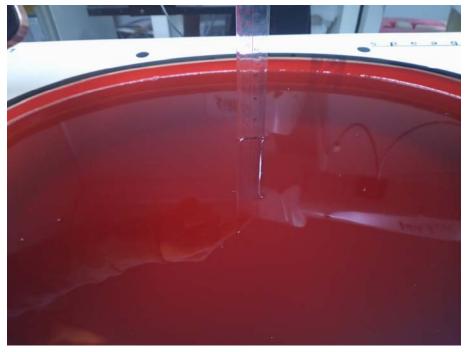


0 dB = 0.277 W/kg = -5.58 dBW/kg

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APPENDIX C - EUT TEST POSITION PHOTOS





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Face Up Setup Photo(25mm)



Body Back Setup Photo (0mm)



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APPENDIX D - PROBE CALIBRATION CERTIFICATES

Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client

Auden Taoyuan City

Certificate No.

EX-3801 Jun23

CALIBRATION CERTIFICATE

Object EX3DV4 - SN:3801

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 June 23, 2023

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
OCP DAK-3.5 (weighted)	SN: 1249	20-Oct-22 (OCP-DAK3.5-1249 Oct22)	Oct-23
OCP DAK-12	SN: 1016	20-Oct-22 (OCP-DAK12-1016 Oct22)	Oct-23
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 660	16-Mar-23 (No. DAE4-660 Mar23)	Mar-24
Reference Probe ES3DV2	SN: 3013	06-Jan-23 (No. ES3-3013 Jan23)	Jan-24

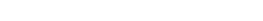
Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-22)	In house check: Jun-24
Network Analyzer EB358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

	Name	Function	Signature
Calibrated by	Jeton Kastrati	Laboratory Technician	The .
Approved by	Sven Kühn	Technical Manager	5.00
			Issued: June 26, 2023

Certificate No: EX-3801_Jun23

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Report No.: XMTN1240221-08748E-20A

Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

ilac MRA



S Schweizerischer Kalibrierdienst Service suisse d'étalonnage

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 σ 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 Ränge of 4 MHz to 10 GHz)", October 2020.
- b) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization θ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E²-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax.y.z; Bx.y.z; Cx.y.z; Dx.y.z; VRx.y.z; A, B, C, D are numerical linearization parameters assessed based on the data of
 power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum
 calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-fleid (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-3801_Jun23

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EX3DV4 - SN:3801 June 23, 2023

Parameters of Probe: EX3DV4 - SN:3801

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (µV/(V/m) ²) A	0.51	0.58	0.42	±10.1%
DCP (mV) B	102.0	101.5	104.0	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Max dev.	Max Unc ^E
				, ,					k = 2
0	CW	X	0.00	0.00	1.00	0.00	160.1	±3.3%	±4.7%
		Y	0.00	0.00	1.00		148.0		
		Z	0.00	0.00	1.00		169.8		
10352	Pulse Waveform (200Hz, 10%)	X	20.00	91.23	20.86	10.00	60.0	±3.5%	±9.6%
		Y	20.00	90.19	20.56		60.0		
		Z	68.00	106.00	25.00		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	91.78	19.99	6.99	80.0	±1.8%	±9.6%
		Y	20.00	89.63	19.38		80.0		
		Z	20.00	91.04	19.77		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	20.00	92.89	19.05	3.98	95.0	±1.1%	±9.6%
		Y	20.00	90.29	18.48		95.0		
		Z	20.00	91.43	18.43		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	91.14	16.83	2.22	120.0	±1.0%	±9.6%
		Y	20.00	91.15	17.67		120.0		
		Z	20.00	90.41	16.60		120.0		
10387	QPSK Waveform, 1 MHz	X	1.49	65.05	13.76	1.00	150.0	±3.1%	±9.6%
		Y	1.58	65.16	14.18	1	150.0		
		Z	1.43	63.76	13.25		150.0		
10388	QPSK Waveform, 10 MHz	X	2.01	66.70	14.69	0.00	150.0	±1.0%	±9.6%
		Y	2.11	67.04	14.97		150.0		
		Z	1.89	65.42	14.01		150.0		
10396	64-QAM Waveform, 100 kHz	X	2.53	67.49	17.24	3.01	150.0	±0.7%	±9.6%
		Y	3.00	70.24	18.55	1	150.0		
		Z	3.02	70.72	18.59	1	150.0	1	
10399	64-QAM Waveform, 40 MHz	X	3.38	66.66	15.32	0.00	150.0	±2.6%	±9.6%
		Y	3.45	66.78	15.44		150.0		
		Z	3.26	65.89	14.86	1	150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.78	65.60	15.38	0.00	150.0	±4.6%	±9.6%
		Y	4.85	65.58	15.41	1	150.0		
		Z	4.67	64.97	14.98	1	150.0	1	

[·] 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-3801_Jun23

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34 of 59 **SAR** Evaluation Report

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

B Linearization parameter uncertainty for maximum specified field strength.

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

EX3DV4 - SN:3801 June 23, 2023

Parameters of Probe: EX3DV4 - SN:3801

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 msV ⁻²	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	T6
×	41.4	310.28	35.59	15.44	0.34	5.10	0.05	0.47	1.01
У	46.4	347.34	35.59	26.16	0.21	5.10	0.72	0.40	1.01
z	45.7	338.62	34.88	14.25	0.54	5.07	1.53	0.24	1.01

Other Probe Parameters

Certificate No: EX-3801_Jun23

Sensor Arrangement	Triangular
Connector Angle	153.7°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1,4 mm

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

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EX3DV4 - SN:3801 June 23, 2023

Parameters of Probe: EX3DV4 - SN:3801

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
150	52.3	0.76	11.02	11.02	11.02	0.00	1.00	±13.3%
450	43.5	0.87	10.11	10.11	10.11	0.16	1.30	±13.3%
750	41.9	0.89	9.49	9.49	9.49	0.45	0.85	±12.0%
835	41.5	0.90	9.17	9.17	9.17	0.49	0.80	±12.0%
900	41.5	0.97	9.08	9.08	9.08	0.42	0.89	±12.0%
1450	40.5	1.20	8.32	8.32	8.32	0.36	0.80	±12.0%
1750	40.1	1.37	8.22	8.22	8.22	0.18	0.86	±12.0%
1900	40.0	1.40	7.93	7.93	7.93	0.27	0.86	±12.0%
2100	39.8	1.49	7.87	7.87	7.87	0.31	0.86	±12.0%
2300	39.5	1.67	7.62	7.62	7.62	0.30	0.90	±12.0%
2450	39.2	1.80	7.38	7.38	7.38	0.30	0.90	±12.0%
2600	39.0	1.96	7.16	7.16	7.16	0.32	0.90	±12.0%
3300	38.2	2.71	6.52	6.52	6.52	0.30	1.30	±14.0%
3500	37.9	2.91	6.46	6.46	6.46	0.35	1.30	±14.0%
3700	37.7	3.12	6.40	6.40	6.40	0.35	1.30	±14.0%
3900	37.5	3.32	6.33	6.33	6.33	0.40	1.60	±14.0%
4100	37.2	3.53	5.98	5.98	5.98	0.40	1.60	±14.0%
4200	37.1	3.63	5.95	5.95	5.95	0.40	1.60	±14.0%
4400	36.9	3.84	5.74	5.74	5.74	0.40	1.70	±14.0%
4600	36.7	4.04	5.73	5.73	5.73	0.40	1.75	±14.0%
4800	36.4	4.25	5.72	5.72	5.72	0.40	1.80	±14.0%
4950	36.3	4.40	5.38	5.38	5.38	0.40	1.80	±14.0%
5250	35.9	4.71	5.19	5.19	5.19	0.40	1.80	±14.0%
5600	35.5	5.07	4.60	4.60	4.60	0.40	1.80	±14.0%
5750	35.4	5.22	4.89	4.89	4.89	0.40	1.80	±14.0%

C Frequency validity above 300 MHz of ±100 MHz only applies for DASY v4.4 and higher (see Page 2), else it is restricted to ±50 MHz. The uncertainty is the RSS of the 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 assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of CorwF assessed at 6 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 lissue simulating liquids (TSL) that deviate for a and σ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10%. If TSL with deviations from the target of less than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

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

Parameters of Probe: EX3DV4 - SN:3801

Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) ^C	Relative Permittivity ^F	Conductivity ^F (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k = 2)
6500	34.5	6.07	5.20	5.20	5.20	0.20	2.50	±18.6%

C Frequency validity at 6.5 GHz is -600/+700 MHz, and ± 700 MHz at or above 7 GHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band.

The probes are calibrated using tissue simulating liquids (TSL) that deviate for ϵ and α by less than $\pm 10\%$ from the target values (typically better than $\pm 8\%$) and are valid for TSL with deviations of up to $\pm 10\%$.

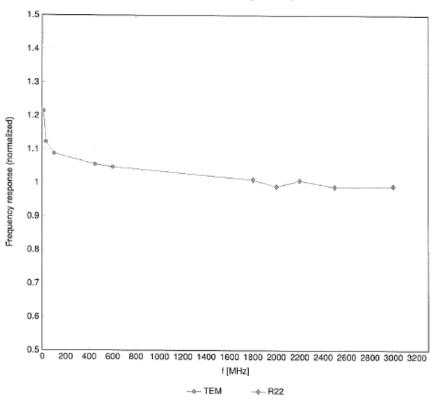
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G Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less than ±1% for frequencies below 3 GHz; below ±2% for frequencies between 3-6 GHz; and below ±4%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

Frequency Response of E-Field

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

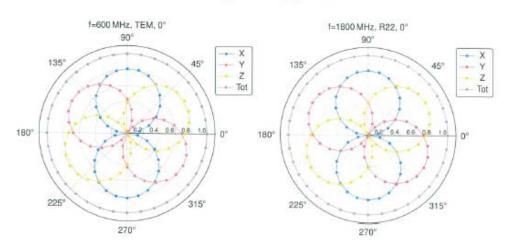


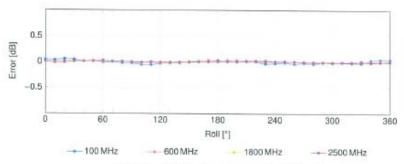
Uncertainty of Frequency Response of E-field: ±6.3% (k=2)

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





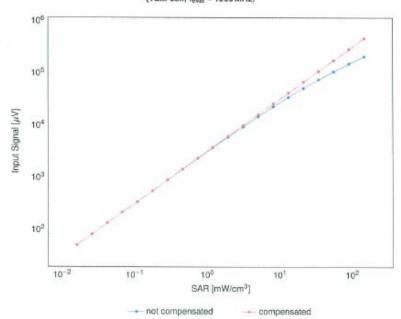
Uncertainty of Axial Isotropy Assessment: ±0.5% (k=2)

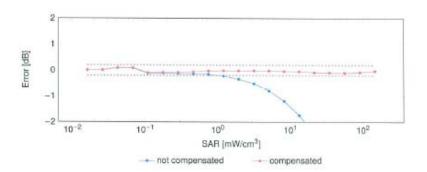
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Dynamic Range f(SAR_{head})

(TEM cell, f_{eval} = 1900 MHz)



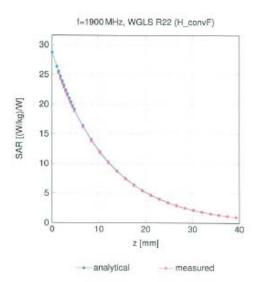


Uncertainty of Linearity Assessment: $\pm 0.6\%~(k=2)$

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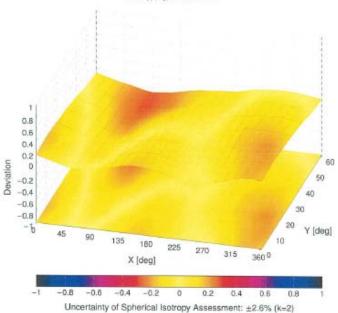
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Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ) , f = 900 MHz



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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	UncE & =
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100ms, 10ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps)	WLAN	1,87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM		±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	4.80 3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM		±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)		7.78	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	5.30	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.87	±9.6
10032	CAA		Bluetooth	1.16	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
1000		IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
0036	CAA	IEEE 802.15.1 Bluetooth (B-DPSK, DH1)	Bluetcoth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	COMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-138 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
1004B	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.52	±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10082	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10083	CAD	IEEE 802.11a/h WIFI 5GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10084	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	***
10066	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbps)	WLAN		±9.6
10068	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 48 Mbps)	WLAN	10.12	±9.6
10089	CAD	IEEE 802.11a/h WIFi 5GHz (OFDM, 54 Mbps)		10.24	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9Mbps)	WLAN	10.56	±9.6
10072	CAB		WLAN	9.83	±9.6
10073	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 12Mbps)	WLAN	9.62	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
		IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (ÖSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
10098	CAC	UMTS-FDD (HSUPA, Sublest 2)	WCDMA	3.98	±9.6
0099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
CARO.	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
		LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
0101	CAF		2.2.7.00		
10101 10102	CAF	LTE-TOD (SC-FDMA, 100% RB, 20 MHz, QPSK)	ITE-TOO	0.90	
0101 10102 10103		LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-OAM)	LTE-TOD	9.29	±9.6
10101 10102 10103 10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TOD	9.97	±9.6
10100 10101 10102 10103 10104 10105	CAH CAH CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TOD LTE-TOD	9.97 10.01	±9.6
10101 10102 10103 10104 10105 10108	CAH CAH CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM) LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TOD LTE-TOD LTE-FOD	9.97 10.01 5.80	±9.8 ±9.6 ±9.6
0101 0102 0103 0104 0105	CAH CAH CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM) LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TOD LTE-TOD	9.97 10.01	±9.6

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UID	Rev				
		Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN		
10117	CAD	IEEE 802.11n (HT Mixed, 13.5Mbps, BPSK)		8.15	±9.6
			WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 84-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD		The state of the s
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)		5.73	±9.6
10144	CAF		LTE-FDD	6.35	±9.6
		LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
10146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
10147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 84-QAM)	LTE-FDO	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 18-QAM)	LTE-FDD	6.42	
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20MHz, 64-QAM)			±9.6
10151	CAH		LTE-FDD	6.60	±9.6
		LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.76	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)			
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	5.79	±9.6
			LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MH≥, 64-QAM)	LTE-FOD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)	LTE-FDD	6.56	±9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	±9.6
10161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	The second secon		
10188	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	6.58	±9.6
10187	CAG		LTE-FDO	5.46	±9.6
	-	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDO	6.21	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 84-QAM)	LTE-FDD	6.79	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172		LTE-TDD (SC-FDMA, 1 RB, 20MHz, QPSK)	700000		
10173			LTE-TDD	9.21	±9.6
		LTE-TDD (SC-FDMA, 1 RB, 20MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	GAJ	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)			
	CAH		LTE-FDD	6.50	±9.6
10180		LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LYE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDO (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)			
10188	AAF	LTE-FDD (SC-FDMA, 1 RB, 3MHz, 64-QAM)	LTE-FDD	6.51	±9.6
	ACCRECATE AND A		LTE-FDD	6.50	±9.6
10187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	5.73	±9.6
10188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10193	CAD	IEEE 802.11n (HT Greonfield, 6.5Mbps, BPSK)	WLAN	8.09	±9.6
10194	CAD	IEEE 802.11n (HT Greenlield, 39 Maps, 16-QAM)	WLAN	8.12	
10195		IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)			±9.6
10196	CAD		WLAN	8.21	±9.6
		IEEE 802,11n (HT Mixed, 6.5Mbps, BPSK)	WLAN	8.10	±9.6
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
10220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN		
10221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)		8.13	±9.6
10222	CAD		WLAN	8.27	±9.6
		IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
10223	ÇAD	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	±9.6
10224	CAD	IEEE 802.11n (HT Mixed, 150 Mbps, 64-QAM)	WLAN	8.08	±9.6
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UID	Rev	Communication System Name	1.0		
10225	CAC	UMTS-FDD (HSPA+)	Group	PAR (dB)	Unc ^E k ≈ 2
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 18-QAM)	WCDMA	5.97	±9.6
10227	CAC	LTE-TOD (SC-FDMA, 1 RB, 1.4MHz, 18-QAM)	LTE-TDD	9.49	±9.6
10228	CAC	LTE TOD (SO-FOMA, 1 HB, 1.4MHZ, 54-QAM)	LTE-TOD	10.26	±9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-TOD	9.22	±9.6
10230	CAE	LTE-TOD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TOD	9.48	±9.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
	h	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TOD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 16-QAM)	LTE-TOD	9.48	±9.6
10233		LTE-TOD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TOD	9.21	±9.6
10235	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TOD	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10237	CAH	LTE-TDD (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	9.48	±9.6
10239	CAG	LTE-TOD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-TOD	10.25	±9.6
10240	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-TDD	9.21	±9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	±9.6
10242	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.86	±9.6
10243	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD	9.46	±9.6
10244	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-TDD	10.06	±9.6
10245	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, 84-QAM)	LTE-TDD	10.06	29.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-TDD	9.30	
10247	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TOD		#9.6
10248	CAH	LTE-TDD (SC-FDMA, 50% RB, 5MHz, 64-QAM)		9.91	±9.6
10249	CAH	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSIQ)	LTE-TDD	10.09	±9.6
10250	CAH	LTE-TOD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.29	±9.6
10251	CAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-TDD	9.81	±9.6
10252	GAH	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, GPSK)	LTE-TDD	10.17	±9.6
10253	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, G-SA)	LTE-TDD	9.24	±9.6
10254	CAG	LTE-TOD (SC-FOMA, 50% PB, 15 MHZ, 16-QAM)	LTE-TDD	9.90	±9.6
10255	CAG	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-TDD	10.14	±9.6
10256	CAC	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-TDD	9.20	±9.6
		LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 18-QAM)	LTE-TDD	9.96	±9.6
10257	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.08	±9.6
10258	CAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-TDD	9.34	±9.6
10259	CAE	LTE-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-TDD	9.97	±9.6
10261	CAE	LTE-TDD (SC-FOMA, 100% RB, 3MHz, QPSK)	LTE-TOO	9.24	±9.6
10262	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	±9.6
10263	CAH	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TOD	10.16	±9.6
10264	CAH	LTE-TDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-TDD	9.23	±9.6
10265	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TOD	9.92	±9.6
10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.8
10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDO	9.30	±9.6
10268	CAG	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	±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% RB, 15 MHz, QPSK)	LTE-TDD	9.58	±9.6
10274	CAC	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rai8.10)	WCDMA	4.87	±9.6
10275	CAC	UMTS-FDD (HSUPA, Sublest 5, 3GPP Rel8.4)	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 884MHz, Rolloff 0.38)	PHS	12.18	±9.6
10290	AAB	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.91	
10291	AAB	CDMA2000, RC3, SO55, Full Rate			±9.6
10292	AAB	CDMA2000, PICS, SC32, Full Rate	CDMA2000	3.46	±9.6
10293	AAB	CDMA2000, RC3, SC32, Full Rate	CDMA2000	3.39	±9.6
10295	AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	CDMA2000	3.50	±9.6
10297	AAE	LTE-FDD (SC-FDMA, 50% RB, 20MHz, QPSK)	CDMA2000	12.49	±9.6
10298	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK)	LTE-FDD	5.81	±9.6
10299	AAE		LTE-FDD	5.72	±9.6
10299		LTE-FDD (SC-FDMA, 50% RB, 3MHz, 16-QAM)	LTE-FDD	6.39	±9.6
	AAE	LTE-FDD (SC-FDMA, 50% RB, 3MHz, 64-QAM)	LTE-FDD	5.60	±9.6
10301	AAA	IEEE 802.18e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	WIMAX	12.03	±9.6
10302	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WMAX	12.57	±9.6
10303	AAA	IEEE 802.18e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6
10304	AAA	IEEE 802.188 WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6
10305	AAA	IEEE 802.16s WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WiMAX	15.24	±9.6
10306	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WiMAX	14.67	±9.6
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10307 10308 10309 10310	Rev AAA				
10308 10309 10310	888	Communication System Name	Group	PAR (dB)	Unc ^E k ≈ 2
10309 10310		IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WIMAX	14,49	±9.6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WIMAX	14.46	±9.6
	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 16 QAM, AMC 2x3, 18 symbols)	WMAX	14.58	±9.6
	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WMAX	14.57	
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)			±9.6
	AAA	IDEN 1:3	LTE-FDD	6.06	±9.6
			IDEN	10.51	±9.6
	AAA	IDEN 1:6	iDEN!	13.48	±9.6
	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 98pc duty cycle)	WLAN	1,71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 98pc duty cycle)	WLAN	8.36	±9.6
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	29.6
10352	AAA	Pulse Waveform (200Hz, 10%)	The same of the sa		
	AAA	Pulse Waveform (200Hz, 20%)	Generic	10.00	±9.6
	AAA		Generic	6.99	±9.6
		Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
	AAA.	Pulse Wavelorm (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generio	5.10	±9.6
10388	AAA	QPSK Wavelorm, 10 MHz	Generic	5.22	
	AAA	64-QAM Waveform, 100 kHz	7500		±9.6
-	AAA	64-QAM Waveform, 40MHz	Generic	6.27	±9.6
			Generic	6.27	±9.6
	AAE	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
	AAE	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAE	IEEE 802.11ac WiFi (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000		Adheron
	AAB	CDMA2000 (1xEV-DO, Rev. A)		3.76	±9.6
	AAB	CDMA2000, RC3, SC32, SCH0, Full Rate	CDMA2000	3.77	±9.6
The second secon			CDMA2000	5.22	±9.6
	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
10414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
10415	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10416	AAA	IEEE 802.11g WIFI 2.4GHz (ERP-OFDM, 6Mbps, 99pc duty cycle)	WLAN	8,23	
	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)		-	±9.6
	AAA	IEEE 900 11-10E 0 4 Chi- (DECC OCDM ONLINE 90	WLAN	8.23	±9.6
		IEEE 802.11g WIFI 2.4GHz (DSSS-OFDM, 6Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6Mbps, 99pc duty cycle, Short preambule)	WLAN	8,19	±9.6
	AAC	IEEE 802.11rr (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	
	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)			±9.6
	AAC		WLAN	8.45	±9.6
		IEEE 802.11n (HT Greenlield, 150 Mbps, 64-QAM)	WLAN	B.41	±9.6
	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDIAA, 20MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	
	AAG				±9.6
		LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10450	AAD	LTE-FDD (OFDMA, 20MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	19.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
	AAE	Validation (Square, 10 ms, 1 ms)			
	AAC		Test	10.00	±9.6
		IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10480	AAB	LIMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, QPSK, UL Subframe=2,3,4,7,8,9)			
	AAC		LTE-TDD	7.82	±9.6
		LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDO	8.57	
10465	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)		-	±9.6
10465 10466			LTE-TDO	7.82	±9.6
10465 10466 10467					
10465 10466 10467 10468	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10465 10466 10467 10468 10469	AAG AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32 8.56	±9.6 ±9.6
10465 10466 10467 10468 10469	AAG				Appropriate to the second

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10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.57	±9.6
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-TDO (SC-FDMA, 50% RB, 1.4MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TOD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 84-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
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
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 84-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.60	±9.6
10488	AAG	LTE-TDO (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10MHz, 16-OAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.31	±9.6
		LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,8)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-DAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAG	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
		LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7,74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subtrame=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10498	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499		LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 84-QAM, Ut, Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2.3,4,7,8,9)	LTE-TOD	7.67	±9.6
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
		LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 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, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.38	±9.6
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.99	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 64-QAM, UL Subframe=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-TDO	7.74	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10514	AAA	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAC	IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAC	IEEE 802.11a/h WFI 5GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10520	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 12 Mbps, 98pc duty cycle) IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps, 98pc duty cycle)	WLAN	8.39	±9.6
10521	AAC	IEEE 802.11a/h WiFi 5GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAC	IEEE 802.11a/h WiFi 5GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.27	±9.6
10526	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10528	AAC	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAC	IEEE 802.11ac WiFi (20MHz, MCS4, sapc duty cycle)	WLAN	8.36	±9.6
10532	AAC	IEEE 802.11ac WiFi (20MHz, MCSh, shipc duty cycle)	WLAN	8.43	±9.6
10532	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAC	IEEE 802.11ac WiFi (40 MHz, MCSd, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAC		WLAN	8.45	±9.6
10536	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.32	±9.6
10537	AAC	IEEE 802.11ac WiFI (40 MHz, MCS3, 95pc duty cycle)	WLAN	8.44	±9.6
10540	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6
10340	, AAU	TELE COS. 1 180 VIII (HOWITZ, MOSO, SUDC BUTY CYCIE)	WLAN	8.39	±9.6

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UID		Committee Commit			
	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k = 2$
10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MOS9, 99pc duty cycle)	WLAN	8.65	±9.8
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)			±9.8
10546	AAC		WLAN	8.55	±9.6
		IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
10547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
10550	AAC	IEEE 802.11ac WiFi (80 MHz, MC96, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
10552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)			
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.42	±9.6
			WLAN	8.45	±9.6
10554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.8
10555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10558	AAD	IEEE 802.11ao WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAD	IEEE 802.11as WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	CONTROL OF
10560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 96pc duty cycle)			±9.6
10561	AAD	MEST DODA 44 - MEST MODEL AND DO AND	WLAN	8.73	±9.6
		IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
10562	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
10563	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
10564	AAA	IEEE 902.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8,25	±9.6
10565	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		AND A CO.
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mups, 99pc duty cycle)		8.13	±9.6
		IEEE BOOK 11 WIFT 2.4 GHZ (UGSS-CFUM, 24 MOPS, 99PC duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
10569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 98pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WIFI 2.4 GHz (DSSS, 2 Mbps, 90pp duty cycle)	WLAN	1.99	
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (OSSS, 5.5 Mbps, 90pc duty cycle)			±9.6
10574	AAA		WLAN	1.98	±9.6
		IEEE 802.11b WIFI 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10579	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	
10580	AAA	IEEE and the WIEL & ADMA (DOSO OF DAY SELVEN DOSO ON CYCLE)			±9.6
10581		IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	29.6
10583	AAC	IEEE 802.11ah WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAC	IEEE 802.11a/n WiFt 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)			
10587			WLAN	8.49	±9.6
	AAC	IEEE 802.11a/n WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAC	1EEE 802.11a/h WiFi 5 GHz (OFDM, 36Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10590	AAC	and a supplemental and a supplem	WLAN	8.67	±9.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
10592	AAC	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc duty cycle)	WLAN	8.79	
10593	AAC	IEEE 802.11n (HT Mixad, 20MHz, MCS2, 90pc duty cycle)			±9.6
10593	AAC		WLAN	8.64	±9.6
		IEEE 802.11n (HT Mixed, 20 MHz, MC63, 90pc duty cycle)	WLAN	8.74	±9.6
10595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
10596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
10597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
10598	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
10599	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
10600	AAC				
			WLAN	8.88	±9.6
10601	AAC		WLAN	8.82	±9.6
10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCSS, 90pc duty cycle)	WLAN	8.94	±9.6
10 803	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
10604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
10605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
10806	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN		
10607	AAC	IEEE oop stan MEE (OOMb), MOOD oom obtained		8.82	±9.6
		IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
10606	AAÇ	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

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UID	Rev	Communication Costs N			
		Communication System Name	Group	PAR (dB)	$Unc^{E} k = 2$
10609	AAC	IEEE 802 11ac WiFi (20MHz, MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
10610	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10813	AAC	IEEE 802.11ac WiFi (20MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAC	IEEE 802.11ac WiFi (20MHz, MCS7, 90pc duty cycle)	WLAN	8,59	±9.6
10615	AAC	IEEE 802.11ac WiFi (20MHz, MCS8, 90pc duty cycle)	WLAN	8,82	±9.6
10616	AAC	IEEE 802.11ac WiFi (40MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8,81	±9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	
10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	1	±9.6
10621	AAC	IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)		8.87	±9.6
10622	AAC	IEEE 802.11ac WIFI (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.77	±9.6
10623	AAC		WLAN	8.68	±9.6
10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
		IEEE 802.11as WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAC	IEEE 802.11ac WiFi (40 MHz, MC\$8, 90pc duty cycle)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10629	AAC	IEEE 802.11ac WIFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10630	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
10634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	
10635	AAC	IEEE 802.11sc WiFi (80 MHz, MCS9, 90pc duty cycle)			±9.6
10636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.83	±9.6
10638	AAD		WLAN	8.79	±9.6
10639		IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10640	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.8
10641	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10642	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
10643	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
10644	DAA	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
10645	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
10646	AAH	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.98	±9.6
10847	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	±9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	±9.6
10652	AAF	LTE-TDD (OFDMA, 5MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	
10853	AAF	LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)			±9.6
10654	AAE		LTE-TOD	7.42	±9.6
10655	AAF	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
		LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
10658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
10659	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
10660	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
10661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
10662	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
10670	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6
10671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
10672	AAC	IEEE 802.11ax (20 MHz, MOS1, 90pc duty cycle)	WLAN	8.57	±9.6
10673	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
10674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	
10675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN		±9.6
10676	AAC	IEEE 802.11ax (20 MHz, MCSS, 90pc duty cycle)		8.90	±9.6
10676	AAC		WLAN	8.77	±9.6
-		IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
10678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
10679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
10680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
10681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
10682	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
10683	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10684	AAC	IEEE 802.11ax (20 MHz, MCS1, 98pc duty cycle)	WLAN	8.26	±9.6
10685	AAC	IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 98pc duty cycle)	WLAN	8.28	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E 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	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
10690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	±9.6
10694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	±9.6
10695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.8
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
10697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
10698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
10699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	±9.6
10701	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.86	±9.6
10702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	±9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
10705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
10706	AAC	IEEE 802.11ax (40MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
10707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
10709	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10710	AAG	IEEE 802.11ax (40 MHz, MCS2, 99pc duly cycle)	WLAN	8.33	±9.6
10711	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle) IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.29	±9.6
10712	AAG	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.39	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.67	±9.6
10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.33	±9.6
10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.26 8.45	±9.6
10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN		±9.6
10717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.30	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.48	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6 ±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	29.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10728	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	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8,65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
10730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
10733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
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, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS8, 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 duly cycle)	WLAN	8.29	±9.6
10740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
10741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle) IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.40	±9.6
10743	AAG	IEEE 802.11ax (60 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
10744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.94	±9.6
10745	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
10746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN WLAN	8.93	±9.6
10747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9,11	±9.6
10748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.04 8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.93	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.90	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
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UID	Rev	Communication System Name			
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90po duty cycle)	Group	PAR (dB)	Unc ^E k = 2
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	9.00	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.94	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.64	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)		8.77	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.69	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN WLAN	8.58	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)		8.49	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.58	±9.6
10783	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.49	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.53	±9.6
10785	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99po duty cycle)	WLAN	8.54	±9.6
10767	AAE	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	WLAN	8.51	±9.6
10768	AAD	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 15kHz)	5G NR FR1 TDD	7.99	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, CPSK, 15kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.01	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAD	5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.02	±9.6
10773	AAD	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.23	29.6
10774	AAD	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.03	±9.6
10775	AAD	5G NR (CP-OFDM, 1 No. 50MHz, CPSK, 15KHz)	5G NR FR1 TDD	8.02	±9.6
10776	AAD	5G NR (CP-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAD	5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.30	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.34	±9.6
10780	AAD	5G NR (CP-OFDM, 50% RB, 30MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.42	±9.6
10781	AAD	5G NR (CP-OFDM, 50% RB, 40MHz, OPSK, 15kHz)	5G NR FR1 TOD	8.38	±9.6
10782	AAD	5G NR (CP-OFDM, 50% RB, 50MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.38	±9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.43	±9.6
10784	AAD	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.29	±9.6
10786	AAD	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 15kHz)	5G NR FR1 TOD	8.40	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.35	±9.6
10788	AAD	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 15kHz)	5G NR FR1 TOD	8.44	±9.6
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	±9.6
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.37	±9.6
10791	AAE	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.39	±9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 10MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.83	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TOD	7.92	±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20MHz, QPSK, 30KHz)	5G NR FR1 TDD	7.95	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25MHz, QPSK, 30KHz)	5G NR FR1 TDD	7.82	±9.6
10796	AAD	5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 30KHz)	5G NR FR1 TDD	7.84	±9.6
10797	AAD	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 30KHz)	5G NR FR1 TDD	7.82	±9.6
10798	AAD	5G NR (CP-OFDM, 1 RB, 50MHz, CPSK, 30KHz)	5G NR FR1 TDO	8.01	±9.6
10799	AAD	5G NR (CP-OFDM, 1 RB, 60MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.89	±9.6
10801	AAD	5G NR (CP-OFDM, 1 RB, 8DMHz, QPSK, 30kHz)	5G NR FR1 TDO	7.93	±9.6
10802	AAD	5G NR (CP-OFDM, 1 RB, SOMHz, OPSK, 30kHz)	5G NR FR1 TDD	7.89	±9.6
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10805	AAD	5G NR (CP-OFDM, 7 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDO	8.34	±9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10MHz, QPSK, 30KHz)		8.35	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.34	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20MHz, QPSK, 30KHz)		8.33	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25MHz, QPSK, 30kHz)	6G NR FR1 TDD	8.30	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 30MHz, QPSK, 30MHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAD	5G NR (CP-OFDM, 100% RB, 40MHz, CPSK, 30kHz)	5G NR FR1 TDD	8.41	±9.6
10824	AAD	5G NR (CP-OFDM, 100% RB, 50MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.36	±9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 60MHz, QPSK, 30kHz)	5G NR FR1 TDD	8.39	±9.6
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.41	±9.6
10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)		8.42	±9.6
	1.5-25	THE PART OF SHIP, LOUIS THE, GUNINE, ME OR, GUNINE)	5G NR FR1 TDD	8.43	±9.6

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1822 AND 50 RF (PC-POWL TON, PR. 100NHz, CREX, 50Hz)	UID	Rev	Communication System Name	Constant	DAD LIDE	- Fr
1985 AAO 56 NR (CP-OPON, 1 RB, 15MHz, OPSK, 600Hz)				Group	PAR (dB)	Una ^E k = 2
1983 AAO 96 NR (CP-OPDM, 1 RB, 20MHL, CPSK, KONHO)	-	AAD		The same and the s		
1982 AAO 3 6 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.74 19.9. 1983 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.75 19.9. 1983 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.75 19.9. 1983 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.75 19.9. 1983 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.66 49.9. 1983 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.66 49.9. 1983 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.66 49.9. 1983 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.76 19.9. 1984 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.70 29.9. 1984 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.70 29.9. 1984 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.71 29.9. 1984 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.71 29.9. 1984 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 7.71 29.9. 1985 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.34 49.9. 1985 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.34 49.9. 1985 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.34 49.9. 1985 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.34 49.9. 1985 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.34 49.9. 1985 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.34 49.9. 1985 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.35 48.9. 1985 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.35 48.9. 1985 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.35 18.9. 1985 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.35 18.9. 1986 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.35 18.9. 1986 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.35 18.9. 1986 AAO 50 NR (PC-POPUL 1 RB, 20MHz, CPSK, 60MHz) 50 NR FRFT TOD 6.35 18.9. 1986 AAO 50 NR (P	The state of the s		5G NR (CP-OFDM, 1 RB, 15MHz, OPSK, 60kHz)			
16835 AAD SO NR (CP-OFDM, 18), 35HHz, OPSK, 601Hz) 55 NR PRI 1700 7.70 ±3.6	10832	AAD	5G NR (CP-OFDM, 1 RB, 20MHz, OPSK, 60kHz)			
16825 ACC SC NIN (CP-OFFIM, 18, 801Hz, OFFIX, 601Hz) SC NIN FRI TIDD 7.75 4.85	10833	AAD				
18085 AAD 50 NR (CP-OPEN, 186, SOUNE, OPEN, 60140) 18086 AAD 50 NR (CP-OPEN, 186, SOUNE, OPEN, 60140) 18087 AAD 50 NR (CP-OPEN, 186, SOUNE, OPEN, 60140) 18089 AAD 50 NR (CP-OPEN, 186, SOUNE, OPEN, 60140) 18089 AAD 50 NR (CP-OPEN, 186, SOUNE, OPEN, 60140) 18089 AAD 50 NR (CP-OPEN, 186, SOUNE, OPEN, 60140) 18080 AAD 50 NR (CP-OPEN, 186, SOUNE, OPEN, 60140) 18080 AAD 50 NR (CP-OPEN, 186, SOUNE, OPEN, 60140) 18081 AAD 50 NR (CP-OPEN, 186, SOUNE, OPEN, 60140) 18081 AAD 50 NR (CP-OPEN, 50148) 18082 AAD 50 NR (CP-OPEN, 50148) 18083 AAD 50 NR (CP-OPEN, 50148) 18084 AAD 50 NR (CP-OPEN, 50148) 18084 AAD 50 NR (CP-OPEN, 50148) 18084 AAD 50 NR (CP-OPEN, 50148) 18085 AAD 50 NR (CP-OPEN, 50148) 180	10834	AAD	5G NR (CP-OFDM, 1 RB, 30MHz, QPSK, 60kHz)			
10837 AAO 50 NR (CP-OFDM, 186, SOUNE) 50 NR PRI TIDD 7.66 4.9.6 10839 AAO 50 NR (CP-OFDM, 186, SOUNE) 50 NR PRI TIDD 7.70 4.9.6 10839 AAO 50 NR (CP-OFDM, 186, SOUNE, CPSK, SOUNE) 50 NR PRI TIDD 7.70 4.9.6 10849 AAO 50 NR (CP-OFDM, 186, SOUNE, CPSK, SOUNE) 50 NR PRI TIDD 7.70 4.9.6 10849 AAO 50 NR (CP-OFDM, 186, SOUNE, CPSK, SOUNE) 50 NR PRI TIDD 7.70 4.9.6 4	10835	AAD	5G NR (CP-OFDM, 1 RB, 40MHz, QPSK, 60kHz)			
1983 AND SG NR (CP-OFDM, 18, SOUNE, OPSK, SOLKE) 50 NR FRI TIDD 7.68 4.95	10836	AAD	5G NR (CP-OFDM, 1 RB, 50MHz, QPSK, 60kHz)			
1989 AD SG NR (CPC-OFEN), 188, DOMHA; CPSK, GOIAH2 SG NR PERT TOD 7.70 ±9.8	10837	AAD	5G NR (CP-OFDM, 1 RB, 60MHz, CPSK, 60kHz)			
19840 AAD SO NR (CP-OFEM, 1 SR, 00MHz, CPSK, 60MHz) SO NR FRI TOD 7,77 ±9.5	10839	AAD	5G NR (CP-OFDM, 1 RB, 80MHz, QPSK, 60kHz)			
1984 AAD 50 NR (CP-CPEM, 50% RR, 915MHz, CPSK, 60MHz)				5G NR FR1 TDD	7.67	
1984 ADD 50 NR (CPC-PGIN, 50% RR, 15MHz, OPSK, 60 Hz)	10841		5G NR (CP-OFDM, 1 RB, 100 MHz, CIPSK, 60 kHz)	5G NR FR1 TDD	7.71	
1988 AAD 50 NR (CP-OFDM, 50% RB, 30 MR), CPSK, 50 HP2 50 NR (PRT-070M, 100% RB, 10 MR), CPSK, 50 HP2 50 NR (PRT-070M, 100% RB, 10 MR), CPSK, 50 HP2 50 NR (PRT-070M, 100% RB, 30 MR), CPSK, 50 HP2 50 NR (PRT-070M, 100% RB, 30 MR), CPSK, 50 HP2 50 NR (PRT-070M, 100% RB, 30 MR), CPSK, 50 NR (PRT-070M, 100% RB, 40 MR), CPSK, 50 NR (PRT-070M, 100% RB, 50 NR (PRT-070M, 100% RB, 50 NR (PRT-					8.49	±9.6
1985 AAD 50 NR (CP-CPFM, 100% RB, 100Hz, CPSK, 600Hz)			5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
19855 AAD 50 NR (CP-CPCM, 100% RB, 15MHz, CPSK, 601Hz)		_	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
19855 AAD SG NR (CP-OFDM, 109K R8, 20MHz, DPSK, 60MHz)	and the same of th			5G NR FR1 TDD	8.34	±9.6
10859 AAD SG NR (CP-OFDM, 109% RB, 30MHz, QPSK, 60MHz) SG NR FRI TDD S.35 ±9.5			5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 60 kHz)		8.36	±9.8
19859 AAD SQ NN (CP-OFDM, 100% RB, 30MHz, OPSK, 60MHz)					8.37	±9.6
10850 AAD 5G NR (CP-GFDM, 100% RB, 50MHz, GPSK, 50MHz) SG NR FRI TDD S.34 8.9.5						
1986 AAD \$5 NR (CP-CPOM, 100% R8, 50MHz, CPSK, 69MHz)						
1986 AAD \$6 NR (CP-CPOM, 100% RB, 60MHz, CPSK, 60MHz) \$6 NR FR1 TDD 8.40 \$9.81 \$9.81 \$9.84 \$9.81 \$9.85 \$0.80 \$		-				
1985 AAD \$6 NR (CP-CPDM, 100% RB, 90.MHz, GPSK, 60M-bz)						
10865 AAD SG NR (CP-OFDM, 100% RB, 90MHz, OPSK, 60M-b) SG NR FRI TDD 6.37 ±9.5 10865 AAD SG NR (CP-OFDM, 100% RB, 100MHz, CPSK, 60M-b) SG NR FRI TDD 6.41 ±9.6 10866 AAD SG NR (CP-OFDM, 100% RB, 100MHz, CPSK, 60M-b) SG NR FRI TDD S.88 ±9.6 10868 AAD SG NR (CP-OFDM, 100% RB, 100MHz, CPSK, 30M+z) SG NR FRI TDD S.89 ±9.6 10869 AAE SG NR (CP-OFDM, 100% RB, 100MHz, CPSK, 120M+z) SG NR FRI TDD S.89 ±9.6 10870 AAE SG NR (CP-OFDM, 100% RB, 100MHz, CPSK, 120M+z) SG NR FRI TDD S.86 ±9.6 10871 AAE SG NR (CPT-OFDM, 118 N, 100MHz, GPSK, 120M+z) SG NR FRI TDD S.86 ±9.6 10872 AAE SG NR (CPT-OFDM, 118 N, 100MHz, 100MHz, 100M+z) SG NR FRI TDD S.86 ±9.6 10873 AAE SG NR (CPT-OFDM, 118 N, 100MHz, 100MHz, 100M+z) SG NR FRI TDD S.87 ±9.6 10874 AAE SG NR (CPT-OFDM, 118 N, 100MHz, 100MHz, 100M+z) SG NR FRI TDD S.81 ±9.6 10875 AAE SG NR (CPT-OFDM, 118 N, 100MHz, 100MHz, 100M+z) SG NR FRI TDD S.81 ±9.6 10876 AAE SG NR (CPT-OFDM, 118 N, 100MHz, 100M+z) SG NR FRI TDD S.81 ±9.6 10877 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, 100M+z) SG NR FRI TDD S.81 ±9.6 10878 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, 100M+z) SG NR FRI TDD S.81 ±9.6 10879 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, 100M+z) SG NR FRI TDD S.81 ±9.6 10879 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, 100M+z) SG NR FRI TDD S.91 ±9.6 10879 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, 100M+z) SG NR FRI TDD S.91 ±9.6 10879 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, 100M+z) SG NR FRI TDD S.91 ±9.6 10879 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, 100M+z) SG NR FRI TDD S.91 ±9.6 10879 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, 100M+z) SG NR FRI TDD S.91 ±9.6 10879 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, 100M+z) SG NR FRI TDD S.91 ±9.6 10880 AAE SG NR (CPT-OFDM, 100% RB, 100MHz, 100M+z) SG NR FRI TDD S.91 ±9.6 10880 AAE SG NR (CPT-OFDM, 100% RB, 50MHz, 100MHz, 1		1			90	
1985 AAD SG NR (CP-CPEM, 100% RB, 100MHz, CPSK, 50kHz) SG NR FRI TDD 5.84 ±9.5				Name -		
1986 AAO SG NR (DFT-6-OFDM, 1 RB, 100MHz, QPSK, 30Hz) SG NR FR1 TDO S.68 ±9.5						
19889 AAD SG NR (DFTDFDM, 190% RB, 100 MHz, QPSK, 120 NHz) SG NR FRI TDD S.75 ±9.6 19870 AAE SG NR (DFTDFDM, 1 RB, 100 MHz, QPSK, 120 NHz) SG NR FRI TDD S.75 ±9.6 19871 AAE SG NR (DFTDFDM, 1 D0% RB, 100 MHz, QPSK, 120 NHz) SG NR FRI TDD S.75 ±9.6 19872 AAE SG NR (DFTDFDM, 1 D0% RB, 100 MHz, QPSK, 120 NHz) SG NR FRI TDD S.75 ±9.6 19872 AAE SG NR (DFTDFDM, 1 RB, 100 MHz, 160 AM, 120 NHz) SG NR FRI TDD S.75 ±9.6 19873 AAE SG NR (DFTDFDM, 1 RB, 100 MHz, 540 AM, 120 NHz) SG NR FRI TDD S.75 ±9.6 19873 AAE SG NR (DFTDFDM, 1 BN, 100 MHz, 540 AM, 120 NHz) SG NR FRI TDD S.61 ±9.6 19873 AAE SG NR (DFTDFDM, 1 BN, 100 MHz, 540 AM, 120 NHz) SG NR FRI TDD S.61 ±9.6 19873 AAE SG NR (DFTDFDM, 1 BN, 100 MHz, 540 AM, 120 NHz) SG NR FRI TDD S.78 ±9.5 19873 AAE SG NR (DFTDFDM, 1 BN, 100 MHz, 540 AM, 120 NHz) SG NR FRI TDD S.79 ±9.6 19873 AAE SG NR (DFC-DFDM, 1 BR, 100 MHz, 120 NHz) SG NR FRI TDD S.79 ±9.6 19873 AAE SG NR (DFC-DFDM, 1 BR, 100 MHz, 100 AM, 120 NHz) SG NR FRI TDD S.79 ±9.6 19873 AAE SG NR (DFC-DFDM, 1 BR, 100 MHz, 100 AM, 120 NHz) SG NR FRI TDD S.79 ±9.6 19873 AAE SG NR (DFC-DFDM, 1 BR, 100 MHz, 100 AM, 120 NHz) SG NR FRI TDD S.70 5.96 49.6 19873 AAE SG NR (DFC-DFDM, 1 BR, 100 MHz, 100 AM, 120 NHz) SG NR FRI TDD S.70 5.10	T-1000					
1986 AAE SG NR (DFTs-OFDM, 1 RB, 100MHz, QPSK, 120 NHz) SG NR FRZ TDD S.75 +9.5 10870 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, QPSK, 120 NHz) SG NR FRZ TDD S.76 +9.6 10871 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.75 +9.8 10872 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.75 +9.8 10873 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.75 +9.6 10874 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.81 +9.6 10874 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.81 +9.6 10874 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.81 +9.6 10874 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.81 +9.6 10875 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.89 +9.6 10877 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.89 +9.6 10878 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.81 +9.6 10879 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.12 +9.6 10880 AAE SG NR (DFTs-OFDM, 1 RB, 100 NHz, 160 AM, 120 NHz) SG NR FRZ TDD S.12 +9.6 10880 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 NHz) SG NR FRZ TDD S.12 +9.6 10880 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 NHz) SG NR FRZ TDD S.75 +9.6 10880 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 NHz) SG NR FRZ TDD S.75 +9.6 10880 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 NHz) SG NR FRZ TDD S.75 +9.6 10880 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 NHz) SG NR FRZ TDD S.75 +9.6 10880 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 NHz) SG NR FRZ TDD S.75 +9.6 10880 AAE SG NR (DFTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 NHz) SG NR FRZ TDD S.81 +9.8 10880 AAE SG NR (DFTs-OFDM, 1 RB, 50	2000					
10870 AAE SG NR (DFTe-OFDM, 100% RB, 100 MHz, 10GAM, 120 MHz) SG NR FRZ TDD S.88 ±9.6 10872 AAE SG NR (DFTe-OFDM, 1 RB, 100 MHz, 16GAM, 120 MHz) SG NR FRZ TDD S.75 ±9.8 10873 AAE SG NR (DFTe-OFDM, 100% RB, 100 MHz, 16GAM, 120 MHz) SG NR FRZ TDD S.75 ±9.8 10873 AAE SG NR (DFTe-OFDM, 100% RB, 100 MHz, 64GAM, 120 MHz) SG NR FRZ TDD S.66 ±9.6 10874 AAE SG NR (DFTe-OFDM, 100% RB, 100 MHz, 64GAM, 120 MHz) SG NR FRZ TDD S.66 ±9.6 10875 AAE SG NR (DFTe-OFDM, 100% RB, 100 MHz, 64GAM, 120 MHz) SG NR FRZ TDD S.68 ±9.6 10876 AAE SG NR (DFC-OFDM, 100% RB, 100 MHz, 64GAM, 120 MHz) SG NR FRZ TDD S.76 ±9.6 10878 AAE SG NR (DFC-OFDM, 100% RB, 100 MHz, 100 MHz, 100 MHz) SG NR FRZ TDD S.76 ±9.6 10878 AAE SG NR (DFC-OFDM, 100% RB, 100 MHz, 100 MHz, 100 MHz) SG NR FRZ TDD S.76 ±9.6 10878 AAE SG NR (DFC-OFDM, 100% RB, 100 MHz, 100 MHz) SG NR FRZ TDD S.76 ±9.6 10878 AAE SG NR (DFC-OFDM, 100% RB, 100 MHz, 100 MHz) SG NR FRZ TDD S.76 ±9.6 10880 AAE SG NR (DFC-OFDM, 100% RB, 100 MHz, 100 MHz) SG NR FRZ TDD S.76 ±9.6 10880 AAE SG NR (DFC-OFDM, 100% RB, 100 MHz, 100 MHz, 100 MHz) SG NR FRZ TDD S.76 ±9.6 10880 AAE SG NR (DFT-OFDM, 100% RB, 100 MHz, 100 MHz, 100 MHz) SG NR FRZ TDD S.76 ±9.6 10880 AAE SG NR (DFT-OFDM, 100% RB, 500 MHz, QFSK, 120 MHz) SG NR FRZ TDD S.76 ±9.6 10880 AAE SG NR (DFT-OFDM, 100% RB, 500 MHz, QFSK, 120 MHz) SG NR FRZ TDD S.76 ±9.6 10880 AAE SG NR (DFT-OFDM, 100% RB, 500 MHz, QFSK, 120 MHz) SG NR FRZ TDD S.76 ±9.6 10880 AAE SG NR (DFT-OFDM, 100% RB, 500 MHz, QFSK, 120 MHz) SG NR FRZ TDD S.76 ±9.6 10880 AAE SG NR (DFT-OFDM, 100% RB, 500 MHz, CDAM, 120 MHz) SG NR FRZ TDD S.76 ±9.6 10880 AAE SG NR (DFT-OFDM, 100% RB, 500 MHz, CDAM, 120 MHz) SG NR FRZ TDD S.77 ±9.6 10880 AAE SG NR (DFT-OFDM, 100% RB, 500 MHz, CDAM, 120 MHz) SG NR FRZ TDD S.80 ±9.6 10880 AAE SG NR (DFT		The second second				
10872 AAE SG NR (DFT-e-OFDM, 18B, 100 MHz, 16QAM, 120kHz) SG NR FR2 TDD 5.75 ±9.8 10873 AAE SG NR (DFT-e-OFDM, 180% RB, 100 MHz, 16QAM, 120kHz) SG NR FR2 TDD 6.92 ±9.6 10874 AAE SG NR (DFT-e-OFDM, 18B, 100 MHz, 54QAM, 120kHz) SG NR FR2 TDD 6.65 ±9.6 10874 AAE SG NR (DFT-e-OFDM, 18B, 100 MHz, 54QAM, 120kHz) SG NR FR2 TDD 6.65 ±9.6 10875 AAE SG NR (DFT-e-OFDM, 18D, 100 MHz, DFSK, 120kHz) SG NR FR2 TDD 7.78 ±9.5 10876 AAE SG NR (DFQ-OFDM, 18B, 100 MHz, DFSK, 120kHz) SG NR FR2 TDD 7.78 ±9.6 10876 AAE SG NR (DFQ-OFDM, 18B, 100 MHz, DFSK, 120kHz) SG NR FR2 TDD 7.78 ±9.6 10877 AAE SG NR (DFQ-OFDM, 18B, 100 MHz, 16DAM, 120kHz) SG NR FR2 TDD 7.95 ±9.6 10878 AAE SG NR (DFQ-OFDM, 18B, 100 MHz, 16DAM, 120kHz) SG NR FR2 TDD 7.95 ±9.6 10879 AAE SG NR (DFQ-OFDM, 100% RB, 100 MHz, 100M, 120kHz) SG NR FR2 TDD 8.41 ±9.8 10879 AAE SG NR (DFQ-OFDM, 100% RB, 100 MHz, 64DAM, 120kHz) SG NR FR2 TDD 8.12 ±9.8 10880 AAE SG NR (DFQ-OFDM, 100% RB, 100 MHz, 64DAM, 120kHz) SG NR FR2 TDD 8.12 ±9.8 10880 AAE SG NR (DFQ-OFDM, 100% RB, 100 MHz, 64DAM, 120kHz) SG NR FR2 TDD 8.30 ±9.5 10880 AAE SG NR (DFT-e-OFDM, 100% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 100% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 170% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 170% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 170% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 170% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 170% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.77 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 170% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.6 5 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 170% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.6 5 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 170% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.6 5 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 170% RB, 50MHz, 0FSK, 120kHz) SG NR FR2 TDD 5.6 8 ±9.6 10880 AAE SG NR (DFT-e-OFDM, 170% RB, 50MHz, 0FSK, 30kHz) SG N						
10873 AAE SG NR (DFT+-OFDM, 100M-RB, 100 MHz, 160AM, 120 MHz) SG NR FR2 TDD 6.52 ±9.6 10873 AAE SG NR (DFT+-OFDM, 100M-RB, 100 MHz, 540AM, 120 MHz) SG NR FR2 TDD 6.65 ±9.6 10875 AAE SG NR (DFT+-OFDM, 100M-RB, 100 MHz, 540AM, 120 MHz) SG NR FR2 TDD 6.65 ±9.6 10875 AAE SG NR (DFT+-OFDM, 100M-RB, 100 MHz, 540AM, 120 MHz) SG NR FR2 TDD 7.76 ±9.6 10876 AAE SG NR (CP-OFDM, 100M-RB, 100 MHz, 540AM, 120 MHz) SG NR FR2 TDD 7.76 ±9.6 10877 AAE SG NR (CP-OFDM, 100M-RB, 100 MHz, 160AM, 120 MHz) SG NR FR2 TDD 7.95 ±9.6 10877 AAE SG NR (CP-OFDM, 100M-RB, 100 MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.12 ±9.6 10879 AAE SG NR (CP-OFDM, 100M-RB, 100 MHz, 160AM, 120 MHz) SG NR FR2 TDD 8.41 ±9.6 10880 AAE SG NR (CP-OFDM, 18B, 100 MHz, 160AM, 120 MHz) SG NR FR2 TDD 8.41 ±9.6 10880 AAE SG NR (CP-OFDM, 18B, 100 MHz, 160AM, 120 MHz) SG NR FR2 TDD 8.36 ±9.6 10880 AAE SG NR (CP-OFDM, 100M-RB, 100 MHz, 160AM, 120 MHz) SG NR FR2 TDD 8.36 ±9.6 10880 AAE SG NR (CPT+0-OFDM, 100M-RB, 50MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (CPT+0-OFDM, 18B, 50MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (CPT+0-OFDM, 18B, 50MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (CPT+0-OFDM, 100M-RB, 50MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (CPT+0-OFDM, 100M-RB, 50MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (CPT+0-OFDM, 100M-RB, 50MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.75 ±9.6 10880 AAE SG NR (CPT+0-OFDM, 100M-RB, 50MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.6 ±9.6 10880 AAE SG NR (CPT+0-OFDM, 100M-RB, 50MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.6 ±9.6 10880 AAE SG NR (CPT+0-OFDM, 100M-RB, 50MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.6 ±9.6 10880 AAE SG NR (CPT-0-OFDM, 100M-RB, 50MHz, 160AM, 120 MHz) SG NR FR2 TDD 5.6 ±9.6 10880 AAE SG NR (CPT-0-OFD	10871	AAE		The second secon		
10873 AAE SG NR (DFTs-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10876 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10878 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 7.78 ±9.6 10877 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz) SG NR FR2 TDD 7.8 ±9.6 10877 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz) SG NR FR2 TDD 7.8 ±9.6 10878 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz) SG NR FR2 TDD 7.8 ±9.6 10879 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 160 AM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10880 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10881 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 8.75 ±9.6 10882 AAE SG NR (CP-OFDM, 100% RB, 50 MHz, 0FSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10883 AAE SG NR (CPTs-OFDM, 1 RB, 50 MHz, 0FSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10884 AAE SG NR (CPTs-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) SG NR FR2 TDD 5.96 ±9.6 10885 AAE SG NR (CPTs-OFDM, 100% RB, 50 MHz, 160 AM, 120 kHz) SG NR FR2 TDD 5.96 ±9.6 10886 AAE SG NR (CPTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10886 AAE SG NR (CPTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10887 AAE SG NR (CPTs-OFDM, 100% RB, 50 MHz, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10888 AAE SG NR (CPTs-OFDM, 100% RB, 50 MHz, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10889 AAE SG NR (CPTS-OFDM, 100% RB, 50 MHz, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10889 AAE SG NR (CPTS-OFDM, 100% RB, 50 MHz, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10889 AAE SG NR (CPTS-OFDM, 100% RB, 50 MHz, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10889 AAE SG NR (CPTS-OFDM, 100% RB, 50 MHz, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10889 AAE SG NR (CPTS-OFDM, 1 RB,	10872	AAE				·
10876 AAE SG NR (CPT-6-OFDM, 100% RB, 100 MHz, 64QAM, 120Hz) SG NR FR2 TDD 6.65 ±9.6 10876 AAE SG NR (CP-OFDM, 178, 100 MHz, CPSK, 120Hz) SG NR FR2 TDD 7.78 ±9.6 10877 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120Hz) SG NR FR2 TDD 7.95 ±9.6 10878 AAE SG NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120Hz) SG NR FR2 TDD 7.95 ±9.6 10879 AAE SG NR (CP-OFDM, 18, 100 MHz, 16QAM, 120Hz) SG NR FR2 TDD 8.41 ±9.6 10879 AAE SG NR (CP-OFDM, 18, 100 MHz, 64QAM, 120Hz) SG NR FR2 TDD 8.12 ±9.6 10880 AAE SG NR (CP-OFDM, 18, 100 MHz, 64QAM, 120Hz) SG NR FR2 TDD 8.12 ±9.6 10881 AAE SG NR (CP-OFDM, 18, 50MHz, 64QAM, 120Hz) SG NR FR2 TDD 5.75 ±9.6 10882 AAE SG NR (CP-OFDM, 18, 50MHz, 64QAM, 120Hz) SG NR FR2 TDD 5.75 ±9.6 10882 AAE SG NR (CPT-6-OFDM, 178, 50MHz, 120AM, 120Hz) SG NR FR2 TDD 5.75 ±9.6 10883 AAE SG NR (CPT-6-OFDM, 178, 50MHz, 120AM, 120Hz) SG NR FR2 TDD 5.75 ±9.6 10884 AAE SG NR (CPT-6-OFDM, 178, 50MHz, 120AM, 120Hz) SG NR FR2 TDD 6.57 ±9.6 10885 AAE SG NR (CPT-6-OFDM, 178, 50MHz, 120AM, 120Hz) SG NR FR2 TDD 6.57 ±9.6 10886 AAE SG NR (CPT-6-OFDM, 178, 50MHz, 64QAM, 120Hz) SG NR FR2 TDD 6.63 ±9.6 10886 AAE SG NR (CPT-6-OFDM, 178, 50MHz, 64QAM, 120Hz) SG NR FR2 TDD 6.65 ±9.6 10887 AAE SG NR (CP-OFDM, 178, 50MHz, 64QAM, 120Hz) SG NR FR2 TDD 6.65 ±9.6 10889 AAE SG NR (CP-OFDM, 178, 50MHz, 64QAM, 120Hz) SG NR FR2 TDD 6.65 ±9.6 10889 AAE SG NR (CP-OFDM, 178, 50MHz, 64QAM, 120Hz) SG NR FR2 TDD 6.65 ±9.6 10889 AAE SG NR (CP-OFDM, 178, 50MHz, 64QAM, 120Hz) SG NR FR2 TDD 6.65 ±9.6 10890 AAE SG NR (CP-OFDM, 178, 50MHz, 64QAM, 120Hz) SG NR FR2 TDD 6.65 ±9.6 10890 AAE SG NR (CP-OFDM, 178, 50MHz, 64QAM, 120Hz) SG NR FR2 TDD 6.65 ±9.6 10890 AAE SG NR (CPT-6-OFDM, 178, 50MHz, 64QAM, 120Hz) SG NR FR1 TDD 5.67 ±9.6 10890 AAE SG NR	10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 54QAM, 120 kHz)			
10875 AAE SG NR (CP-CPDM, 1 RB, 100MHz, CPSK, 120kHz) SG NR FR2 TDD 7.78 ±9.6 10877 AAE SG NR (CP-CPDM, 100% RB, 100MHz, 16CAM, 120kHz) SG NR FR2 TDD 5.39 ±9.6 10878 AAE SG NR (CP-CPDM, 100% RB, 100MHz, 16CAM, 120kHz) SG NR FR2 TDD 6.12 ±9.6 10879 AAE SG NR (CP-CPDM, 1 RB, 100MHz, 16CAM, 120kHz) SG NR FR2 TDD 6.12 ±9.6 10879 AAE SG NR (CP-CPDM, 1 RB, 100MHz, 16CAM, 120kHz) SG NR FR2 TDD 6.12 ±9.6 10880 AAE SG NR (CP-CPDM, 1 RB, 100MHz, 16CAM, 120kHz) SG NR FR2 TDD 6.12 ±9.6 10880 AAE SG NR (CP-CPDM, 1 RB, 50MHz, CPSK, 120kHz) SG NR FR2 TDD 5.75 ±9.6 10881 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, CPSK, 120kHz) SG NR FR2 TDD 5.75 ±9.6 10882 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 16CAM, 120kHz) SG NR FR2 TDD 5.96 ±9.6 10883 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 16CAM, 120kHz) SG NR FR2 TDD 5.96 ±9.6 10884 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 16CAM, 120kHz) SG NR FR2 TDD 6.57 ±9.6 10885 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 16CAM, 120kHz) SG NR FR2 TDD 6.51 ±9.6 10886 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 16CAM, 120kHz) SG NR FR2 TDD 6.51 ±9.6 10887 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 16CAM, 120kHz) SG NR FR2 TDD 6.51 ±9.6 10888 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 6CAM, 120kHz) SG NR FR2 TDD 6.55 ±9.6 10889 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 6CAM, 120kHz) SG NR FR2 TDD 6.55 ±9.6 10889 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 6CAM, 120kHz) SG NR FR2 TDD 6.55 ±9.6 10889 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 6CAM, 120kHz) SG NR FR2 TDD 6.55 ±9.6 10899 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 6CAM, 120kHz) SG NR FR2 TDD 6.55 ±9.6 10899 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 6CAM, 120kHz) SG NR FR2 TDD 5.68 ±9.6 10899 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 6CAM, 120kHz) SG NR FR2 TDD 5.68 ±9.6 10899 AAE SG NR (CPT-CPDM, 1 RB, 50MHz, 6CAM, 120kHz) SG NR FR2 TDD 5.68 ±9.6 1089	10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)			
10878 AAE 5G NR (CP-OFDM, 100% RB, 100MHz, CPSK, 120KHz) 5G NR FR2 TDD 5.98 ±9.6 10877 AAE 5G NR (CP-OFDM, 1 RB, 100MHz, 16CAM, 120KHz) 5G NR FR2 TDD 7.95 ±9.6 10878 AAE 5G NR (CP-OFDM, 1 NO% RB, 100MHz, 16CAM, 120KHz) 5G NR FR2 TDD 5.12 ±9.6 10879 AAE 5G NR (CP-OFDM, 1 RB, 100MHz, 64CAM, 120KHz) 5G NR FR2 TDD 5.12 ±9.6 10880 AAE 5G NR (CP-OFDM, 1 RB, 100MHz, 64CAM, 120KHz) 5G NR FR2 TDD 5.16 ±9.6 10881 AAE 5G NR (CP-OFDM, 1 RB, 50MHz, CPSK, 120KHz) 5G NR FR2 TDD 5.75 ±9.6 10882 AAE 5G NR (CPT-OFDM, 1 RB, 50MHz, CPSK, 120KHz) 5G NR FR2 TDD 5.76 ±9.6 10882 AAE 5G NR (CPT-OFDM, 1 RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 5.76 ±9.6 10883 AAE 5G NR (CPT-OFDM, 1 RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 5.76 ±9.6 10885 AAE 5G NR (CPT-OFDM, 1 RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 6.57 ±9.6 10885 AAE 5G NR (CPT-OFDM, 1 RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 6.57 ±9.6 10886 AAE 5G NR (CPT-OFDM, 100% RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 6.51 ±9.6 10887 AAE 5G NR (CPT-OFDM, 100% RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 6.51 ±9.6 10888 AAE 5G NR (CPT-OFDM, 100% RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 6.85 ±9.6 10889 AAE 5G NR (CPT-OFDM, 100% RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 7.78 ±9.6 10889 AAE 5G NR (CPT-OFDM, 100% RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 7.78 ±9.6 10889 AAE 5G NR (CPT-OFDM, 100% RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 6.85 ±9.6 10889 AAE 5G NR (CPT-OFDM, 100% RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 6.85 ±9.6 10890 AAE 5G NR (CPT-OFDM, 1 RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 6.85 ±9.6 10890 AAE 5G NR (CPT-OFDM, 1 RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 6.85 ±9.6 10890 AAE 5G NR (CPT-OFDM, 1 RB, 50MHz, 16CAM, 120KHz) 5G NR FR2 TDD 5.88 ±9.6 10890 AAB 5G NR (CPT-OFDM, 1 RB, 50MHz, 16CPSK, 30KHz) 5G NR FR1 TDD 5.88 ±9.6 10890 AAB 5G N	10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD		
10877 AAE 5G NR (CP-OFDM, 1 RB, 100 MHz, 160AM, 120 kHz) 5G NR FR2 TDD 7.95 49.6 10879 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 560AM, 120 kHz) 5G NR FR2 TDD 8.12 49.6 10880 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 540AM, 120 kHz) 5G NR FR2 TDD 8.36 49.6 10881 AAE 5G NR (CP-OFDM, 100% RB, 100 MHz, 540AM, 120 kHz) 5G NR FR2 TDD 5.75 49.6 10881 AAE 5G NR (DFT-6-OFDM, 100% RB, 50 MHz, CPSK, 120 kHz) 5G NR FR2 TDD 5.76 49.6 10882 AAE 5G NR (DFT-6-OFDM, 100% RB, 50 MHz, CPSK, 120 kHz) 5G NR FR2 TDD 5.96 49.6 10883 AAE 5G NR (DFT-6-OFDM, 100% RB, 50 MHz, CPSK, 120 kHz) 5G NR FR2 TDD 6.57 49.6 10884 AAE 5G NR (DFT-6-OFDM, 18, 50 MHz, 160AM, 120 kHz) 5G NR FR2 TDD 6.57 49.6 10885 AAE 5G NR (DFT-6-OFDM, 18, 50 MHz, 160AM, 120 kHz) 5G NR FR2 TDD 6.65 49.6 10886 AAE 5G NR (DFT-6-OFDM, 18, 50 MHz, 640AM, 120 kHz) 5G NR FR2 TDD 6.65 49.6 10887 AAE 5G NR (DFT-6-OFDM, 18, 50 MHz, 640AM, 120 kHz) 5G NR FR2 TDD 6.65 49.6 10887 AAE 5G NR (DFT-6-OFDM, 18, 50 MHz, 640AM, 120 kHz) 5G NR FR2 TDD 6.65 49.6 10887 AAE 5G NR (DFT-6-OFDM, 100% RB, 50 MHz, 640AM, 120 kHz) 5G NR FR2 TDD 6.65 49.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 160 Mz, 120 kHz) 5G NR FR2 TDD 8.35 49.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 160 Mz, 120 kHz) 5G NR FR2 TDD 8.35 49.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 160 Mz, 120 kHz) 5G NR FR2 TDD 8.40 49.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 160 Mz, 120 kHz) 5G NR FR2 TDD 8.40 49.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 120 kHz) 5G NR FR2 TDD 8.40 49.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 60 Mz, 120 kHz) 5G NR FR2 TDD 8.40 49.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 60 Mz, 120 kHz) 5G NR FR2 TDD 8.40 49.6 10899 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 60 Mz, 120 kHz) 5G NR FR2 TDD 5.68 49.6 10899 AAE 5G NR (CP-OFDM, 1 RB, 50 MHz, 60 Mz, 1			5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)			A STATE OF THE PARTY OF THE PAR
10879 AAE SG NR (CP-OFDM, 1 RB, 100 MHz, 84QAM, 120 kHz) SG NR FR2 TDD 6.12 ±9.6 10880 AAE SG NR (CP-OFDM, 100 kB, 100 MHz, QPSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10881 AAE SG NR (DFTs-OFDM, 100 kB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10882 AAE SG NR (DFTs-OFDM, 100 kB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10883 AAE SG NR (DFTs-OFDM, 100 kB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 6.57 ±9.6 10883 AAE SG NR (DFTs-OFDM, 100 kB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 6.57 ±9.6 10884 AAE SG NR (DFTs-OFDM, 100 kB, 50 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 6.51 ±9.6 10885 AAE SG NR (DFTs-OFDM, 100 kB, 50 MHz, 84QAM, 120 kHz) SG NR FR2 TDD 6.51 ±9.6 10886 AAE SG NR (DFTs-OFDM, 100 kB, 50 MHz, 84QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10887 AAE SG NR (CP-OFDM, 100 kB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 7.78 ±9.8 10888 AAE SG NR (CP-OFDM, 100 kB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 7.78 ±9.8 10889 AAE SG NR (CP-OFDM, 100 kB, 50 MHz, QPSK, 120 kHz) SG NR FR2 TDD 8.35 ±9.6 10890 AAE SG NR (CP-OFDM, 100 kB, 50 MHz, 120 kHz) SG NR FR2 TDD 8.35 ±9.6 10890 AAE SG NR (CP-OFDM, 100 kB, 50 MHz, 120 kHz) SG NR FR2 TDD 8.02 ±9.6 10890 AAE SG NR (CP-OFDM, 110 kB, 50 MHz, 120 kHz) SG NR FR2 TDD 8.02 ±9.6 10890 AAE SG NR (CP-OFDM, 110 kB, 50 MHz, 120 kHz) SG NR FR2 TDD 8.02 ±9.6 10890 AAE SG NR (CP-OFDM, 110 kB, 50 MHz, 120 kHz) SG NR FR2 TDD 8.02 ±9.6 10890 AAE SG NR (CP-OFDM, 110 kB, 50 MHz, 120 kHz) SG NR FR2 TDD 8.03 ±9.6 10890 AAE SG NR (CP-OFDM, 118, 50 MHz, 120 kHz) SG NR FR2 TDD 8.04 ±9.6 10890 AAE SG NR (CP-OFDM, 118, 50 MHz, 120 kHz) SG NR FR2 TDD 8.04 ±9.6 10890 AAE SG NR (CP-OFDM, 118, 50 MHz, 120 kHz) SG NR FR2 TDD 8.04 ±9.6 10890 AAB SG NR (CP-OFDM, 118, 50 MHz, 120 kHz) SG NR FR2 TDD 8.04 ±9.6 10890 AAB SG NR (CP-OFDM, 118, 50 MHz, 120 kHz) SG NR FR2 TDD 5.68 ±9.6 10890 AAB SG NR (CP-OFDM, 118, 50 MHz, 120 kHz) SG NR FR2 TDD 5.68 ±9.6 10890 AAB SG NR (CPT-OFDM, 118, 50 MHz, 120 kHz) SG NR FR1 TDD 5.68 ±9.6 10890 AAB SG NR (CPT-OFDM, 118, 50 MHz, 120 kHz) SG NR FR1 TDD 5.68 ±9.6 10890 AAB SG NR (CPT-OFDM			5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	
10880 AAE SG NR (CP-OFDM, 109% RB, 100MHz, QPSK, 120MHz) SG NR FR2 TDD S.78 ±9.6 10881 AAE SG NR (DFTs-OFDM, 1 RB, 50MHz, QPSK, 120MHz) SG NR FR2 TDD S.78 ±9.6 10882 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 16QAM, 120MHz) SG NR FR2 TDD S.96 ±9.6 10883 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 16QAM, 120MHz) SG NR FR2 TDD S.75 ±9.6 10884 AAE SG NR (DFTs-OFDM, 1 RB, 50MHz, 16QAM, 120MHz) SG NR FR2 TDD S.58 ±9.6 10885 AAE SG NR (DFTs-OFDM, 1 RB, 50MHz, 84QAM, 120MHz) SG NR FR2 TDD S.51 ±9.6 10886 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 84QAM, 120MHz) SG NR FR2 TDD S.51 ±9.6 10887 AAE SG NR (CP-OFDM, 1 RB, 50MHz, 2 GPSK, 120MHz) SG NR FR2 TDD S.52 ±9.6 10888 AAE SG NR (CP-OFDM, 1 RB, 50MHz, 2 GPSK, 120MHz) SG NR FR2 TDD S.52 ±9.6 10889 AAE SG NR (CP-OFDM, 100% RB, 50MHz, 10CAM, 120MHz) SG NR FR2 TDD S.52 ±9.6 10890 AAE SG NR (CP-OFDM, 100% RB, 50MHz, 10CAM, 120MHz) SG NR FR2 TDD S.52 ±9.6 10890 AAE SG NR (CP-OFDM, 100% RB, 50MHz, 10CAM, 120MHz) SG NR FR2 TDD S.52 ±9.6 10890 AAE SG NR (CP-OFDM, 100% RB, 50MHz, 10CAM, 120MHz) SG NR FR2 TDD S.02 ±9.6 10890 AAE SG NR (CP-OFDM, 100% RB, 50MHz, 10CAM, 120MHz) SG NR FR2 TDD S.02 ±9.6 10891 AAE SG NR (CP-OFDM, 1 RB, 50MHz, 10CAM, 120MHz) SG NR FR2 TDD S.13 ±9.6 10892 AAE SG NR (CP-OFDM, 1 RB, 50MHz, 64CAM, 120MHz) SG NR FR2 TDD S.13 ±9.6 10893 AAB SG NR (CP-S-OFDM, 1 RB, 50MHz, 64CAM, 120MHz) SG NR FR2 TDD S.64 ±9.6 10893 AAB SG NR (CP-S-OFDM, 1 RB, 50MHz, 64CAM, 120MHz) SG NR FR2 TDD S.65 ±9.6 10893 AAB SG NR (CPT-S-OFDM, 1 RB, 50MHz, 64CAM, 120MHz) SG NR FR2 TDD S.68 ±9.6 10894 AAB SG NR (CPT-S-OFDM, 1 RB, 50MHz, 64CAM, 120MHz) SG NR FR2 TDD S.68 ±9.6 10895 AAB SG NR (CPT-S-OFDM, 1 RB, 50MHz, 64CAM, 120MHz) SG NR FR1 TDD S.68 ±9.6 10896 AAB SG NR (CPT-S-OFDM, 1 RB, 50MHz, 64CAM, 120MHz			5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120kHz)	5G NR FR2 TDD	8.41	±9.6
10881 AAE SG NR (DFTs-OFDM, 1 RB, 50MHz, QPSK, 120Hz) SG NR FR2 TDD 5.75 ±9.6 10882 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 5.96 ±9.8 10883 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 6.57 ±9.6 10884 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 6.53 ±9.6 10885 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 120AM, 120Hz) SG NR FR2 TDD 6.61 ±9.8 10886 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 84QAM, 120Hz) SG NR FR2 TDD 6.65 ±9.6 10887 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 120Hz) SG NR FR2 TDD 6.65 ±9.6 10887 AAE SG NR (CP-OFDM, 1 RB, 50MHz, QPSK, 120Hz) SG NR FR2 TDD 6.85 ±9.6 10888 AAE SG NR (CP-OFDM, 1 RB, 50MHz, QPSK, 120Hz) SG NR FR2 TDD 8.35 ±9.6 10889 AAE SG NR (CP-OFDM, 1 RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 8.02 ±9.6 10889 AAE SG NR (CP-OFDM, 100% RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 8.02 ±9.6 10891 AAE SG NR (CP-OFDM, 100% RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 8.02 ±9.6 10892 AAE SG NR (CP-OFDM, 100% RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 8.13 ±9.6 10892 AAE SG NR (CP-OFDM, 1 RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 8.14 ±9.6 10897 AAC SG NR (CP-OFDM, 1 RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 8.14 ±9.6 10897 AAC SG NR (CP-OFDM, 1 RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 8.14 ±9.6 10897 AAC SG NR (CPT-OFDM, 1 RB, 50MHz, 16QAM, 120Hz) SG NR FR2 TDD 8.14 ±9.6 10899 AAB SG NR (CPT-OFDM, 1 RB, 50MHz, 16QAM, 120Hz) SG NR FR1 TDD 5.66 ±9.6 10890 AAB SG NR (CPT-OFDM, 1 RB, 10MHz, 16QAM, 120Hz) SG NR FR1 TDD 5.66 ±9.6 10900 AAB SG NR (CPT-OFDM, 1 RB, 15MHz, 16QAM, 120Hz) SG NR FR1 TDD 5.66 ±9.6 10900 AAB SG NR (CPT-OFDM, 1 RB, 15MHz, 16QAM, 120Hz) SG NR FR1 TDD 5.66 ±9.6 10900 AAB SG NR (CPT-OFDM, 1 RB, 15MHz, 16QAM, 16				5G NR FR2 TDD	8.12	±9.6
10882 AAE SG NR (CFTs-OFDM, 100% RB, 50MHz, QPSK, 120MHz) SG NR FR2 TDD 5.96 ±9.6 10883 AAE SG NR (DFTs-OFDM, 185, 50MHz, 16CAM, 120MHz) SG NR FR2 TDD 6.57 ±9.6 10885 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 16CAM, 120MHz) SG NR FR2 TDD 6.53 ±9.6 10885 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 84CAM, 120MHz) SG NR FR2 TDD 6.61 ±9.6 10886 AAE SG NR (DFTs-OFDM, 100% RB, 50MHz, 84CAM, 120MHz) SG NR FR2 TDD 6.65 ±9.6 10887 AAE SG NR (CFTs-OFDM, 100% RB, 50MHz, 84CAM, 120MHz) SG NR FR2 TDD 6.65 ±9.6 10887 AAE SG NR (CFTSM, 100% RB, 50MHz, 84CAM, 120MHz) SG NR FR2 TDD 5.78 ±9.6 10889 AAE SG NR (CFTSM, 100% RB, 50MHz, 820MHz) SG NR FR2 TDD 8.35 ±9.6 10889 AAE SG NR (CFTSM, 100% RB, 50MHz, 120MHz) SG NR FR2 TDD 8.02 ±9.6 10890 AAE SG NR (CFTSM, 100% RB, 50MHz, 120MHz) SG NR FR2 TDD 8.02 ±9.6 10891 AAE SG NR (CFTSM, 100% RB, 50MHz, 16CAM, 120MHz) SG NR FR2 TDD 8.40 ±9.6 10897 AAE SG NR (CFTSM, 100% RB, 50MHz, 16CAM, 120MHz) SG NR FR2 TDD 8.40 ±9.6 10897 AAE SG NR (CFTSM, 100% RB, 50MHz, 64CAM, 120MHz) SG NR FR2 TDD 8.41 ±9.6 10897 AAC SG NR (CFTSSOFDM, 1 RB, 5MMz, 64CAM, 120MHz) SG NR FR2 TDD 8.41 ±9.6 10897 AAC SG NR (CFTSSOFDM, 1 RB, 5MMz, 64CAM, 120MHz) SG NR FR1 TDD 5.66 ±9.6 10899 AAB SG NR (CFTSSOFDM, 1 RB, 10MHz, 64CAM, 120MHz) SG NR FR1 TDD 5.67 ±9.6 10890 AAB SG NR (CFTSSOFDM, 1 RB, 15MHz, 64CAM, 120MHz) SG NR FR1 TDD 5.67 ±9.6 10891 AAB SG NR (CFTSSOFDM, 1 RB, 15MHz, 64CAM, 120MHz) SG NR FR1 TDD 5.67 ±9.6 10890 AAB SG NR (CFTSSOFDM, 1 RB, 15MHz, 64CAM, 120MHz) SG NR FR1 TDD 5.68 ±9.6 10900 AAB SG NR (CFTSSOFDM, 1 RB, 15MHz, 64CAM, 120MHz) SG NR FR1 TDD 5.68 ±9.6 10900 AAB SG NR (CFTSSOFDM, 1 RB, 20MMz, 64CAM, 120MHz) SG NR FR1 TDD 5.68 ±9.6 10900 AAB SG NR (CFTSSOFDM, 1 RB, 50MMz, 64CAM, 120MHz) SG NR FR1 TDD 5.68 ±9					8.38	±9.6
10883 AAE 5G NR (DFTs-OFDM, 1 RB, 50MHz, 16DAM, 120kHz)					5.75	±9.6
10884 AAE 5G NR (DFTs-OFDM, 100% RB, 50MHz, 16QAM, 120 Hz)					5.96	±9.6
10865 AAE 5G NR (DFTs-OFDM, 1 PB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.61 ±9.6 10867 AAE 5G NR (DFTs-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) 5G NR FR2 TDD 6.65 ±9.6 10867 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 7.78 ±9.8 10868 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10889 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10890 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.02 ±9.6 10891 AAE 5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz) 5G NR FR2 TDD 8.13 ±9.6 10891 AAE 5G NR (CP-OFDM, 100% 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 10893 AAD 5G NR (CPTs-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.8 10898 AAB 5G NR (DFTs-OFDM, 1 RB, 150 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10900 AAB 5G NR (DFTs-OFDM, 1 RB, 150 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.67 ±9.6 10901 AAB 5G NR (DFTs-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFTs-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10901 AAB 5G NR (DFTs-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10903 AAB 5G NR (DFTs-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10904 AAB 5G NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10905 AAB 5G NR (DFTs-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10906 AAB 5G NR (DFTs-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10908 AAB 5G NR (DFTs-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6 10909 AAB 5G NR (DFTs-OFDM, 50 NR RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68 ±9.6					Marketon Co.	
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10909 AAB 50 NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 50 NR FR1 TDD 5.96 ±9.6					5.78	±9.6
16040 AAG FOLID DET DEDIT FOR DE CALLE COMPANION DE						±9.6
19810 AAB 358 NH (DF1-9-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz) 55 NR FR1 TDD 5.83 ±9.6						
	10910	AAB	SG NRI (UP I-s-OF DM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unot k-2
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	29.6
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	53 NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, 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	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, CPSK, 30 kHz)	SG NR FR1 TDD	5.95	±9.6
10926	AAB	5G NR (DFTs-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
	AAC	5G NR (DFT-e-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, OPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, CPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10932	AAC	5G 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	5.51	±9.6
10934	AAD	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, CPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10935	AAC	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz) 5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
10937	AAC	5G NR (DFTs-OFDM, 50% RB, 10MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.90	±9.6
10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 15MHz, QPSK, 15KHz)	5G NR FR1 FDD	5.77	±9.6
10939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20MHz, QPSK, 15KHz)	5G NR FR1 FDD	5.90	±9.6
10940	AAC	53 NR (DFT-s-OFDM, 50% RB, 25MHz, QPSK, 15KHz)	5G NR FR1 FDD	5.82	±9.6
10941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30MHz, QPSK, 15kHz)	5G NR FR1 FDD 5G NR FR1 FDD	5.89	±9.6
10942	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, 50MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.95	±9.6
10944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.81	±9.6
10945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
10946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
10951	AAD	5G NR (DFT-s-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, 5 MHz, 84-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
10953	AAA	5G 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, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
10955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.42	±9.6
10958	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, 10MHz, 64-QAM, 30kHz)	5G NR FR1 FDD	8,31	±9.6
10958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
10959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
10980	AAC	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz)	5G NR FR1 TDD	9.32	±9.6
10981	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
10962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
10983	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
10964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz)	5G NR FR1 TDD	9.29	±9.6
10965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
		5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
10967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10988	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 84-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
10972	_	5G NR (CP-OFDM, 1 RB, 20MHz, OPSK, 15kHz)	5G NR FR1 TDD	11.59	±9.6
10974	AAB	5G NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
10974	AAA	5G NR (CP-OFDM, 100% RB, 100 MHz, 258-QAM, 30 kHz) ULLA BDR	5G NR FR1 TDD	10.28	±9.6
10978	AAA	ULLA HDR4	ULLA	1.16	±9.6
10979	AAA	ULLA HDR8	ULLA	8.58	±9.6
10980	AAA	ULLA HDRp4	ULLA	10.32	±9.6
10982	AAA	ULLA HDRo8	ULLA	3.19	±9.6
10002	1000	water i northy	ULLA	3.43	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10963	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 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 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 84-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 84-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAA	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAA	IEEE 802.11be (320MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAA	IEEE 802.11be (320MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAA	IEEE 802.11be (320MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAA	IEEE 802.11be (320MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAA	IEEE 802.11be (320MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAA	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAA	IEEE 802.11be (320MHz, MCS13, 99pc duty cycle)	WLAN	8,37	±9.6
11026	AAA	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9,6

 $^{^{\}rm E}$ Uncertainty is determined using the max. deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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APPENDIX E - DIPOLE CALIBRATION CERTIFICATES

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





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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

III -CN (Auden)

	ERTIFICATI		
Object	D450V3 - SN:110	07	
Calibration procedure(s)	QA CAL-15.v9 Calibration Proce	edure for SAR Validation Sources	below 700 MHz
Calibration date:	October 24, 2022	2	
The measurements and the uncert	lainties with confidence p	onal standards, which realize the physical unitrobability are given on the following pages and by a continuous control of the following pages and by a control of the following pages and the following pages are given by a control of the following pages and the following pages are given by a control of the following pages and the following pages are given by a control of the following pages and the following pages are given by a control of the following pages and the following pages are given by a control of the following pages and the following pages are given by a control of the following pages and the following pages are given by a control of the following pages and the following pages are given by a control of the following pages and the following pages are given by a control of the followi	d are part of the certificate.
Calibration Equipment used /MPTI			
		Cal Date (Certificate No.)	Schadulad Calibration
rimary Standards	ID.#	Cal Date (Certificate No.) 04-Anr-22 (No. 217-03525-03524)	Scheduled Calibration
rimary Standards ower meter NRP	ID # SN: 104778	04-Apr-22 (No. 217-03525/03524)	Apr-23
rimary Standards ower meter NRP ower sensor NRP-Z91	ID # SN: 104778 SN: 103244	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524)	Apr-23 Apr-23
rimary Standards ower meter NRP ower sensor NRP-Z91 ower sensor NRP-Z91	ID # SN: 104778 SN: 103244 SN: 103245	04-Apr-22 (No. 217-09525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525)	Apr-23 Apr-23 Apr-23
rimary Standards ower meter NRP ower sensor NRP-Z91 ower sensor NRP-Z91 eference 20 dB Attenuator	ID # SN: 104778 SN: 103244	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527)	Apr-23 Apr-23 Apr-23 Apr-23
rimary Standards ower meter NRP ower sensor NRP-Z91 ower sensor NRP-Z91 deference 20 dB Affenuator ype-N mismatch combination	ID # SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x)	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528)	Apr-23 Apr-23 Apr-23 Apr-23 Apr-23
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4	ID # SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527)	Apr-23 Apr-23 Apr-23 Apr-23
Calibration Equipment used (M&TI Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards	ID # SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528) 31-Dec-21 (No. EX3-3877_Dec21)	Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Deo-22
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Recondary Standards Power meter E4419B	ID # SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654	04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528) 31-Dec-21 (No. EX3-3877_Dec21) 26-Jan-22 (No. DAE4-654_Jan22)	Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Deo-22 Jan-23
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Rype-N mismatch combination Reference Probe EX3DV4 RAE4 Recondary Standards Power meter E4419B Rever sensor E4412A	ID # SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528) 31-Dec-21 (No. EX3-3877_Dec21) 26-Jan-22 (No. DAE4-654_Jan22) Check Date (in house)	Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Deo-22 Jan-23 Scheduled Check
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Fype-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A	ID # SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654 ID # SN: GB41293674	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528) 31-Dec-21 (No. EX3-3877_Dec21) 26-Jan-22 (No. DAE4-654_Jan22) Check Date (In house) 06-Apr-16 (in house check Jun-22)	Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Dec-22 Jan-23 Scheduled Check In house check; Jun-24
rimary Standards rower meter NRP rower sensor NRP-Z91 rower sensor NRP-Z91 reference 20 dB Attenuator yps-N mismatch combination reference Probe EX3DV4 recondary Standards rower meter E4419B rower sensor E4412A regenerator HP 8648C	ID # SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x) SN: 310992 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528) 31-Dec-21 (No. EX3-3877_Dec21) 26-Jan-22 (No. DAE4-654_Jan22) Check Date (In house) 06-Apr-16 (In house check Jun-22) 06-Apr-16 (In house check Jun-22)	Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Dec-22 Jan-23 Scheduled Check In house check; Jun-24 In house check; Jun-24
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 d8 Attenuator Proper Nismatch combination Reference Probe EX3DV4 DAE4 Research Standards Power meter E4419B Power sensor E4412A RF generator HP 8648C	ID # SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528) 31-Dec-21 (No. EX3-3877_Dec21) 26-Jan-22 (No. DAE4-654_Jan-22) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22)	Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Dec-22 Jan-23 Scheduled Check In house check; Jun-24 In house check; Jun-24 In house check; Jun-24
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 d8 Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A RF generator HP 8648C	ID # SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x) SN: 310992 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700	04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528) 31-Dec-21 (No. EX3-3877_Dec21) 26-Jan-22 (No. DAE4-654_Jan-22) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 04-Aug-99 (in house check Jun-22)	Apr-23 Apr-23 Apr-23 Apr-23 Dec-22 Jan-23 Scheduled Check In house check; Jun-24 In house check; Jun-24 In house check; Jun-24 In house check; Jun-24
Primary Standards Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4	ID # SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US41080477	04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. EX3-3877_Dec21) 26-Jan-22 (No. DAE4-654_Jan22) Check Date (in house) 06-Apr-16 (in house check Jun-22) 06-Apr-16 (in house check Jun-22) 04-Aug-99 (in house check Jun-22) 04-Aug-99 (in house check Jun-22)	Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Dec-22 Jan-23 Scheduled Check In house check; Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Jun-24 In house check: Jun-24

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Measurement Conditions

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

DASY Version	DASY5	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	ELI4 Flat Phantom	Shell thickness: 2 ± 0.2 mm
Distance Dipole Center - TSL	15 mm	with Spacer
Zoom Scan Resolution	dx, dy , $dz = 5 mm$	
Frequency	450 MHz ± 1 MHz	

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Head TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 °C	43.5	0.87 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	43.4 ± 6 %	0.88 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		****

SAR result with Head TSL

SAR averaged over 1 cm ³ (1 g) of Head TSL	Condition	
SAR measured	250 mW input power	1.14 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	4.52 W/kg ± 18.1 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Head TSL	condition	
SAR measured	250 mW input power	0.764 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	3.03 W/kg ± 17.6 % (k=2)

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Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters with Head TSL

Impedance, transformed to feed point	58.0 Ω - 2.6 jΩ	
Return Loss	- 22.2 dB	

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General Antenna Parameters and Design

Electrical Delay (one direction)	1.381 ns

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

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DASY5 Validation Report for Head TSL

Date: 24.10.2022

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 450 MHz; Type: D450V3; Serial: D450V3 - SN:1107

Communication System: UID 0 - CW; Frequency: 450 MHz

Medium parameters used: f = 450 MHz; $\sigma = 0.88 \text{ S/m}$; $\varepsilon_r = 43.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

Probe: EX3DV4 - SN3877; ConvF(10.64, 10.64, 10.64) @ 450 MHz; Calibrated: 31.12.2021

- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn654; Calibrated: 26.01.2022
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1003
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole Calibration for Head Tissue/d=15mm, Pin=250mW/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 39.18 V/m; Power Drift = -0.09 dB

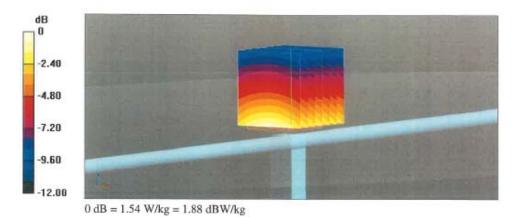
Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.764 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)

Ratio of SAR at M2 to SAR at M1 = 64.5%

Maximum value of SAR (measured) = 1.54 W/kg

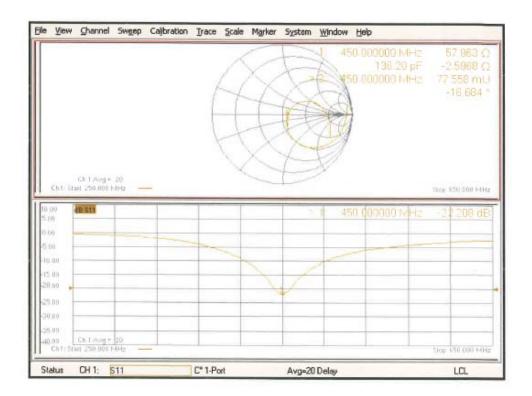


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Impedance Measurement Plot for Head TSL



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D450V3 - SN:1107 Extended Dipole Calibrations

Referring to KDB 865664 D01, if dipoles are verified in return loss(< -20dB, within 20% of prior calibration), and in impedance(within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

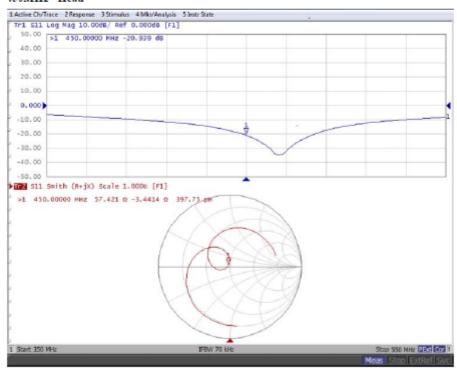
Justification of the extended calibration

1								
D450V3 - SN:1107								
	450MHz Head							
Measurement (dB) (%) (chm) (chm) Impeda					Imaginary Impedance (ohm)	Delta (ohm)		
2022/10/24 (Cal. Report)	-22.208	/	57.963	/	-2.5968	/		
2023/10/20 (Extended)	-20.939	-5.71	57.421	-0.542	-3.4414	-0.8446		

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

Dipole Verification Data> D450V3 - SN:1107 (Date of Measurement: 2023/10/20)

450MHz - Head



	Name	Title	Signature
Measure By:	Mark Dong	SAR Engineer	Mark gong

==== END OF REPORT ====

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