

SAR TEST REPORT

Test Report No. 15106908H-E-R1

Customer	Audio-Technica Corporation	
Description of EUT	UNIPAK® TRANSMITTER	
Model Number of EUT	ATW-T210cS	
FCC ID	JFZT210CS	
Test Regulation	FCC47CFR 2.1093	
Test Result	Complied	
Issue Date	June 28, 2024	
Remarks	The highest reported SAR Body : 0.25 W/kg (1 g)	

Representative Test Engineer Mosicya	Approved By S. Matsuyama
Yuta Moriya Engineer	Satofumi Matsuyama Engineer ACCREDITED
The testing in which "Non-accreditation" is displayed There is no testing item of "Non-accreditation".	CERTIFICATE 5107.02 is outside the accreditation scopes in UL Japan, Inc.

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REVISION HISTORY

Original Test Report No. 15106908H-E

This report is a revised version of 15106908H-E. 15106908H-E is replaced with this report.

Revision	Test report No.	Date	Page Revi	sed Conte	nts						
- (Original)	15106908H-E	May 31, 2024	-								
1	15106908H-E-R1	June 28, 2024	SECTION 11 -Corrected below table.								
						T.S	T.S. Measured Results Target Delta		Delta		
			Date Tested	Test Freq	Model,S/N	Liqu		Zoom Scan	Normalize to 1 W	(Ref. Value)	± 10 %
			2024/4/24	450	D450V3,1051	Head	1 g	1.09	4.4	4.56	-4.4
							10 g	0.73	2.9	3.06	-4.7
			<u></u>								
									Measured Results		
			Date Tested	Test Freq	Model,S/N		T.S. Liquid	Zoom Scan	Normalize to 1 W	(Ref Value)	Delta ± 10 %
						Liquid		[W/kg]	[W/kg]	[W/kg]	110 /6
			2024/4/24	450	D450V3,1051	Head	1 g	1.09	4.36	4.56	-4.39
							10 g	0.728	2.91	3.06	-4.90
			Appendix 3 -Added evidence of calibration extension for LIMS ID: 141468. APPENDIX 4 Photographs of EUT -Added "Rear" for Photograph A5					3.			

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Reference: Abbreviations (Including words undescribed in this report)

A2LA	The American Association for Laboratory Accreditation	ICES	Interference-Causing Equipment Standard
AC	Alternating Current	IEC	International Electrotechnical Commission
AFH	Adaptive Frequency Hopping	IEEE	Institute of Electrical and Electronics Engineers
AM	Amplitude Modulation	IF	Intermediate Frequency
Amp, AMP	Amplifier	ILAC	International Laboratory Accreditation Conference
ANSI	American National Standards Institute	ISED	Innovation, Science and Economic Development Canada
Ant, ANT	Antenna	ISO	International Organization for Standardization
AP	Access Point	JAB	Japan Accreditation Board
APD	Absorbed Power Density	LAN	Local Area Network
ASK	Amplitude Shift Keying	LIMS	Laboratory Information Management System
Atten., ATT	Attenuator	MCS	Modulation and Coding Scheme
AV	Average	MRA	Mutual Recognition Arrangement
BPSK	Binary Phase-Shift Keying	N/A	Not Applicable
BR	Bluetooth Basic Rate	NIST	National Institute of Standards and Technology
BT	Bluetooth	NS	Nerve Stimulation
BT LE	Bluetooth Low Energy	NSA	Normalized Site Attenuation
BW	BandWidth	NVLAP	National Voluntary Laboratory Accreditation Program
Cal Int	Calibration Interval	OBW	Occupied Band Width
CCK	Complementary Code Keying	OFDM	Orthogonal Frequency Division Multiplexing
Ch., CH	Channel	P/M	Power meter
CISPR	Comite International Special des Perturbations Radioelectriques	PCB	Printed Circuit Board
CW	Continuous Wave	PER	Packet Error Rate
DBPSK	Differential BPSK	PHY	Physical Layer
DC	Direct Current	PK	Peak
D-factor	Distance factor	PN	Pseudo random Noise
DFS	Dynamic Frequency Selection	PRBS	Pseudo-Random Bit Sequence
DQPSK	Differential QPSK	PSD	Power Spectral Density
DSSS	Direct Sequence Spread Spectrum	QAM	Quadrature Amplitude Modulation
EDR	Enhanced Data Rate	QP	Quasi-Peak
EIRP, e.i.r.p.	Equivalent Isotropically Radiated Power	QPSK	Quadri-Phase Shift Keying
EMC	ElectroMagnetic Compatibility	RBW	Resolution Band Width
EMI	ElectroMagnetic Interference	RDS	Radio Data System
EN	European Norm	RE	Radio Equipment
ERP, e.r.p.	Effective Radiated Power	RF	Radio Frequency
EU	European Union	RMS	Root Mean Square
EUT	Equipment Under Test	RSS	Radio Standards Specifications
Fac.	Factor	Rx	Receiving
FCC	Federal Communications Commission	SA, S/A	Spectrum Analyzer
FHSS	Frequency Hopping Spread Spectrum	SAR	Specific Absorption Rate
FM	Frequency Modulation	SG	Signal Generator
Freq.	Frequency	SVSWR	Site-Voltage Standing Wave Ratio
FSK	Frequency Shift Keying	TR	Test Receiver
GFSK	Gaussian Frequency-Shift Keying	Tx	Transmitting
GNSS	Global Navigation Satellite System	VBW	Video BandWidth
GPS	Global Positioning System		Vertical
		Vert.	
Hori.	Horizontal	WLAN	Wireless LAN
HPF	High-Pass Filter	WPT	Wireless Power Transmit

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SECTION 1: Customer information

Company Name	Audio-Technica Corporation	
Address	2-46-1 Nishi-naruse, Machida, Tokyo 194-8666, Japan	
Telephone Number	+81-42-739-9121	
Contact Person	Hirohisa Yamamoto	

The information provided by the customer is as follows;

- Customer, Description of EUT, Model Number of EUT, FCC ID on the cover and other relevant pages
- Operating/Test Mode(s) (Mode(s)) on all the relevant pages
- SECTION 1: Customer Information
- SECTION 2: Equipment Under Test (EUT) other than the Receipt Date and Test Date
- SECTION 5: Tune-up tolerance information and software information

SECTION 2: Equipment under test (EUT)

2.1 Identification of EUT

Description	UNIPAK® TRANSMITTER	
Model Number	ATW-T210cS	
Serial Number	No.8	
Condition	Production prototype	
	(Not for Sale: This sample is equivalent to mass-produced items.)	
Modification	No Modification by the test lab	
Receipt Date	t Date April 1, 2024	
Test Date	April 4, 2024 (For Output power measurement)	
	April 25, 2024 (For SAR measurement)	

2.2 Product Description

General Specification

Rating	DC 3.0 V (Battery (2 x Alkaline AA Batteries))
Option battery	N/A
Body-worn accessory	Typical microphone, Beltclip

Radio Specification

This report contains data provided by the customer which can impact the validity of results. UL Japan, Inc. is only responsible for the validity of results after the integration of the data provided by the customer. The data provided by the customer is marked "a)" in the table below.

Radio type	Transmitter	
Modulation type	FM	
Necessary bandwidth	110 kHz = 2M + 2D	
	where M: Maximum modulation frequency = 15 kHz	
	D: Peak deviation = 40 kHz	
Declared Channel	200 kHz	
Bandwidth (B)		
Frequency of operation	508.125 MHz to 526.825 MHz	
RF power	10 mW, 30 mW	
Antenna gain ^{a)} :	0 dBi max	

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SECTION 3: Test standard information

3.1 Test Specification

Title : FCC47CFR 2.1093

Radiofrequency radiation exposure evaluation: portable devices.

Published RF exposure KDB procedures

⊠ KDB 447498 D01(v06)	RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices	
☐ KDB 447498 D02(v02r01)	SAR Measurement Procedures for USB Dongle Transmitters	
☐ KDB 648474 D04(v01r03)	SAR Evaluation Considerations for Wireless Handsets	
☐ KDB 941225 D01(v03r01) 3G SAR Measurement Procedures		
☐ KDB 941225 D05(v02r05)	SAR Evaluation Considerations for LTE Devices	
☐ KDB 941225 D06(v02r01)	SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities (Hot Spot SAR)	
☐ KDB 941225 D07(v01r02)	SAR Evaluation Procedures for UMPC Mini-Tablet Devices	
☐ KDB 616217 D04(v01r02)	SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers	
☑ KDB 865664 D01(v01r04)	SAR Measurement Requirements for 100 MHz to 6 GHz	
☐ KDB 248227 D01(v02r02)	SAR Guidance for 802.11(Wi-Fi) Transmitters	

Reference

[1] Schmid & Partner Engineering AG, DASY Manual, September 2019

[2] IEEE Std 1528-2013

3.2 Procedure

Transmitter	Radio microphone		
Test Procedure Published RF exposure KDB procedures			
Category SAR			
Note: UL Japan, Inc.'s SAR Work Procedures: Work Instructions-ULID-003598 and Work Instructions-			
ULID-003599			

3.3 Additions or deviations to standard

Other than above, no addition, exclusion nor deviation has been made from the standard.

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3.4 Exposure limit

(A) Limits for Occupational/Controlled Exposure (W/kg)

- 4	. ,	1 (• 3/	
Spatial Average		Spatial Peak	Spatial Peak
ı	(averaged over the whole	(averaged over any 1 g of	(hands/wrists/feet/ankles averaged over 10
ı	body)	tissue)	g)
	0.4	8.0	20.0

(B) Limits for General population/Uncontrolled Exposure (W/kg)

Spatial Average	Spatial Peak	Spatial Peak
(averaged over the whole	(averaged over any 1 g of	(hands/wrists/feet/ankles averaged over
body	tissue)	10 g)
0.08	1.6	4.0

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: are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

NOTE:GENERAL POPULATION/UNCONTROLLED EXPOSURE SPATIAL PEAK(averaged over any 1 g of tissue) LIMIT 1.6 W/kg

3.5 SAR

Specific Absorption Rate (SAR): The time derivative (rate) of the incremental energy (dW) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (ρ), as shown in the following equation:

$$SAR = \frac{d}{dt} \left(\frac{dW}{dm} \right) = \frac{d}{dt} \left(\frac{dW}{\rho dV} \right)$$

SAR is expressed in units of watts per kilogram (W/kg) or equivalently milliwatts per gram (mW/g).

SAR is related to the E-field at a point by the following equation:

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

where

 σ = conductivity of the tissue (S/m)

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

E = rms E-field strength (V/m)

3.6 Test Location

UL Japan, Inc. Ise EMC Lab. Shielded room for SAR testing

*A2LA Certificate Number: 5107.02 / FCC Test Firm Registration Number: 884919

ISED Lab Company Number: 2973C / CAB identifier: JP0002 4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone: +81-596-24-8999

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SECTION 4: Test result

4.1 Result

Complied

Highest values at each band are listed next section.

4.2 Stand-alone SAR result

DE Evpeque C	onditions	Equipment Class - Highest Reported SAR (W/kg)		
RF Exposure C	onditions	Radio microphone		
Standalone Tx (1-g SAR)	Body-worn	0.246		

^{*}Details are shown at section 12

4.3 Simultaneous transmission SAR result

EUT does not have simultaneous transmission functionality.

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SECTION 5: Tune-up tolerance information and software information

Maximum tune-up tolerance limit

Mode	band	·	Maximum tune-up tolerance limit [mW] (Burst Average)
Radio microphone	508.125 to 526.825	15.31	34.00

Software setting

*The power value of the EUT was set for testing as follows (setting value might be different from product specification value);

Power settings: 30 mW Software: Ver1.0

The test was performed with condition that obtained the maximum average power (Burst) in pre-check. Any conditions under the normal use do not exceed the condition of setting.

In addition, end users cannot change the settings of the output power of the product.

^{*}This setting of software is the worst case.

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SECTION 6: RF Exposure Conditions (Test Configurations)

6.1 Summary of the distance between antenna and surface of EUT

Test position	Distance
Front	0.00 mm
Rear	0.00 mm
Left	0.00 mm
Right	0.00 mm
Тор	0.00 mm
Bottom	92.30 mm

^{*}Details are shown in appendix 4

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6.3 SAR test exclusion considerations according to KDB 447498 D01

The following is based on KDB 447498 D01.

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

- The upper frequency of the frequency band was used in order to calculate standalone SAR test exclusion considerations.
- 2. Power and distance are rounded to the nearest mW and mm before calculation
- 3. The result is rounded to one decimal place for comparison
- 4. The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine
- 5. "N/A" displayed on below exclusion calculation means not applicable this formula since distance between antenna and surface is > 50 mm.

When the calculated threshold value by a numerical formula above-mentioned in the following table is 3.0 or less. SAR test is excluded.

The following table lists only the highest tune up limit in each frequency band.

The following table lists only the highest channel in each frequency band.

SAR exclusion calculations for antenna <50mm from the user

Antenna	Tx Interface	Frequency (MHz)	Output	Pow er	Calculated Thres	Calculated Threshold Value							
			dBm	mW	Front	Rear	Left	Right	Тор	Bottom			
Main	FM	526.825	15.31	34	4.9 -MEASURE-	4.9 -MEASURE-	4.9 -MEASURE-	4.9 -MEASURE-	4.9 -MEASURE-	N/A			

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2) At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following.

- a) $[(3.50)/(\sqrt{f(GHz)})) + (test separation distance 50 mm) \cdot (f(MHz)/150)] mW$ at > 100 MHz and \leq 1500 MHz
- b) $[(3.50)/(\sqrt{f(GHz)})) + (test separation distance 50 mm) \cdot 10] \, mW$ at > 1500 MHz and $\leq 6 \, GHz$
- The upper frequency of the frequency band was used in order to calculate standalone SAR test exclusion considerations.
- Power and distance are rounded to the nearest mW and mm before calculation
- 3. "N/A" displayed on below exclusion calculation means not applicable this formula since distance between antenna and surface is < 50 mm.

When output power is less than the calculated threshold value by a numerical formula above-mentioned in the following table, SAR test is excluded.

The following table lists only the highest tune up limit in each frequency band.

The following table lists only the highest channel in each frequency band.

SAR exclusion calculations for antenna >50mm from the user

Antenna	Tx Interface	Frequency (MHz)	Output	Pow er	Calculated Threshold Value								
			dBm	mW	Front	Rear	Left	Right	Тор	Bottom			
Main	FM	526.825	15.31	34	N/A	N/A	N/A	N/A	N/A	355.2 mW -EXEMPT-			

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SECTION 7: Description of the Body setup

7.1 Procedure for SAR test position determination

The tested procedure was performed according to the KDB 447498 D01 (Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies),

7.2 Test position for Body setup

No.	Position	Test distance	Radio microphone Tested
1	Front	0 mm	\square
2	Rear	0 mm	
3	Left	0 mm	
4	Right	0 mm	
5	Тор	0 mm	abla
6	Bottom	0 mm	

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SECTION 8: Description of the operating mode

8.1 Output Power and SAR test required

Date of Output power measurement April 4, 2024

Temperature / Humidity 23 deg. C / 55 % RH

Mode	Freq. (MHz)	Tune-up upper Pow er (dBm) (Burst)	Measured average Pow er (dBm) (Burst)	Initial test configuration
Radio	508.125	15.31	14.10	
microphone	518.775	15.31	14.36	Yes
	526.825	15.31	14.35	

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SECTION 9: Test surrounding

9.1 Measurement uncertainty

This measurement uncertainty budget is suggested by IEEE Std 1528(2013) and determined by Schmid & Partner Engineering AG (DASY5/6 Uncertainty Budget). Per KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz Section 2.8.1., when the highest measured SAR(1 g) within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std.1528 (2013) is not required in SAR reports submitted for equipment approval.

300 MHz to 3 GHz

		Uncer	t.	Prob.	Div.	(ci)	(ci)	Std. Unc.	Std.Unc.
Error Description		value		Dist.		1g	10g	(1g)	(10g)
Measurement System					_				
Probe Calibration	±	6.0	%	N	1	1	1	±6.00%	±6.00%
Axial Isotropy	±	4.7	%	R	√3	0.7	0.7	±1.9%	±1.9%
Hemispherical Isotropy	±	9.6	%	R	√3	0.7	0.7	±3.9%	±3.9%
Boundary Effects	±	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	±	2.4	%	R	√3	1	1	±1.4%	±1.4%
Readout Electronics	±	0.3	%	N	1	1	1	±0.3%	±0.3%
Response Time	±	0.8	%	R	√3	1	1	±0.5%	±0.5%
Integration Time	±	2.6	%	R	√3	1	1	±1.5%	±1.5%
RF Ambient Noise	±	3.0	%	R	√3	1	1	±1.7%	±1.7%
RF Ambient Reflections	±	3.0	%	R	√3	1	1	±1.7%	±1.7%
Probe Positioner	±	0.02	%	R	√3	1	1	±0.0%	±0.0%
Probe Positioning	±	0.4	%	R	√3	1	1	±0.2%	±0.2%
Max. SAR Eval.	±	2.0	%	R	√3	1	1	±1.2%	±1.2%
Test Sample Related									
Device Positioning	±	2.9	%	N	1	1			±2.9%
Device Holder	±	3.6	%	N	1	1	1	±3.6%	±3.6%
Power Scaling	±	0.0	%	R	√3	1	1	±0.0%	±0.0%
Power Drift	±	5.0	%	R	√3	1	1	±2.9%	±2.9%
Phantom and Setup									
Phantom Uncertainty	±	6.1	%	R	√3	1	1	±3.5%	±3.5%
SAR correction	±	1.9	%	N	1	1	0.84	±1.9%	±1.6%
Liquid Conductivity (mea.)	±	5.0	%	N	1	0.78	0.71	±3.9%	±3.6%
Liquid Permittivity (mea.)	±	5.0	%	N	1	0.23	0.26	±1.2%	±1.3%
Temp. unc Conductivity	±	3.4	%	R	√3	0.78	0.71	±1.5%	±1.4%
Temp. unc Permittivity	±	0.4	%	R	√3	0.23	0.26	±0.1%	±0.1%
Combined Std. Uncertainty								±11.8%	
Expanded STD Uncertainty (K	=2)							±23.6%	±23.3%

Note: This uncertainty budget for validation is worst-case. Table of uncertainties are listed for ISO/IEC 17025.

3 GHz to 6 GHz

		Uncer	t.	Prob.	Div.	(ci)	(ci)	Std. Unc.	Std.Unc.
Error Description		value		Dist.		1g	10g	(1g)	(10g)
Measurement System	100				Τ.				
Probe Calibration	±	6.55	%	N	1	1	1	±6.55%	
Axial Isotropy	±	4.7	%	R	√3	0.7	0.7	±1.9%	
Hemispherical Isotropy	±	9.6	%	R	√3	0.7	0.7	±3.9%	±3.9%
Boundary Effects	±	2.0	%	R	√3	1	1	±1.2%	±1.2%
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	±	2.4	%	R	√3	1	1	±1.4%	±1.4%
Readout Electronics	±	0.3	%	N	1	1	1	±0.3%	±0.3%
Response Time	±	0.8	%	R	√3	1	1	±0.5%	±0.5%
Integration Time	±	2.6	%	R	√3	1	1	±1.5%	±1.5%
RF Ambient Noise	±	3.0	%	R	√3	1	1	±1.7%	±1.7%
RF Ambient Reflections	±	3.0	%	R	√3	1	1	±1.7%	±1.7%
Probe Positioner	±	0.04	%	R	√3	1	1	±0.0%	±0.0%
Probe Positioning	±	0.8	%	R	√3	1	1	±0.5%	±0.5%
Max. SAR Eval.	±	4.0	%	R	√3	1	1	±2.3%	±2.3%
Test Sample Related				•		•			
Device Positioning	±	2.9	%	N	1	1	1		
Device Holder	±	3.6	%	N	1	1	1	±3.6%	±3.6%
Power Scaling	±	0.0	%	R	√3	1	1	±0.0%	±0.0%
Power Drift	±	5.0	%	R	√3	1	1	±2.9%	±2.9%
Phantom and Setup									
Phantom Uncertainty	±	6.6	%	R	√3	1	1	±3.8%	±3.8%
SAR correction	±	1.9	%	N	1	1	0.84	±1.9%	±1.6%
Liquid Conductivity (mea.)	±	5.0	%	N	1	0.78	0.71	±3.9%	±3.6%
Liquid Permittivity (mea.)	±	5.0	%	N	1	0.23	0.26	±1.2%	±1.3%
Temp. unc Conductivity	±	3.4	%	R	√3	0.78	0.71	±1.5%	±1.4%
Temp. unc Permittivity	±	0.4	%	R	√3	0.23	0.26	±0.1%	±0.1%
Combined Std. Uncertainty								±12.4%	
Expanded STD Uncertainty ((=2)							±24.8%	±24.5%

Note: This uncertainty budget for validation is worst-case. Table of uncertainties are listed for ISO/IEC 17025.

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SECTION 10: Parameter Check

The dielectric parameters were checked prior to assessment using the DAK dielectric probe kit. The dielectric parameters measurement is reported in each correspondent section.

The dielectric parameters is measured within 24 hours before the SAR measurements, and for every 48 hours of continuous use.

According to KDB 865664 D01, +/- 5 % tolerances are required for εr and σ and then below table which is the target value of the simulated tissue liquid is quoted from KDB 865664 D01.

Target Frequency	Не	ad	Во	ody	
(MHz)	ε _τ	σ(S/m)	ε _r	σ (S/m)	
150	52.3	0.76	61.9	0.80	
300	45.3	0.87	58.2	0.92	
450	43.5	0.87	56.7	0.94	
835	41.5	0.90	55.2	0.97	
900	41.5	0.97	55.0	1.05	
915	41.5	0.98	55.0	1.06	
1450	40.5	1.20	54.0	1.30	
1610	40.3	1.29	53.8	1.40	
1800 – 2000	40.0	1.40	53.3	1.52	
2450	39.2	1.80	52.7	1.95	
3000	38.5	2.40	52.0	2.73	
5800	35.3	5.27	48.2	6.00	

(ε_r = relative permittivity, σ = conductivity and ρ = 1000 kg/m³)

The dielectric parameters are linearly interpolated between the closest pair of target frequencies to determine the applicable dielectric parameters corresponding to the device test frequency.

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10.1 For SAR system check

DIELECTRIC	DIELECTRIC PARAMETERS MEASUREMENT RESULTS												
Date	Ambient	Relative	Liquid type	Liquid	Measured	Target	Target	Measure	Measure	Deviation σ	Deviation εr	Limit	Remark
	Temp.	Humidity		Temp.	Frequency	[σ]	[ɛr]	[σ]	[ɛr]	[%]	[%]	[%]	
	[deg.c]	[%]		[deg.c]	[MHz]								
2024/4/24	24.0	40	HBBL600-10000	24.6	450.0	0.87	43.5	0.83	43.0	-4.3	-1.2	+/- 5	

10.2 For SAR measurement

DIELECTRIC	PARAMETER	RS MEASUR	EMENT RESULTS										
Date	Ambient	Relative	Liquid type	Liquid	Measured	Target	Target	Measure	Measure	Deviation σ	Deviation er	Limit	Remark
	Temp.	Humidity		Temp.	Frequency	[σ]	[ɛr]	[σ]	[ɛr]	[%]	[%]	[%]	
	[deg.c]	[%]		[deg.c]	[MHz]								
2024/4/24	24.0	40	HBBL600-10000	24.6	508.125	0.87	43.2	0.85	42.6	-3.0	-1.3	+/- 5	
2024/4/24	24.0	40	HBBL600-10000	24.6	518.775	0.88	43.1	0.85	42.6	-2.7	-1.3	+/- 5	
2024/4/24	24.0	40	HBBL600-10000	24.6	526.825	0.88	43.1	0.85	42.6	-2.4	-1.2	+/- 5	

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SECTION 11: System Check confirmation

The measurements were performed in the flat section of the TWIN SAM or ELI phantom, shell thickness: $2.0 \pm 0.2 \text{ mm}$ (bottom plate) filled with Body or Head simulating liquid of the following parameters.

The depth of tissue-equivalent liquid in a phantom must be ≥ 15.0 cm ± 0.5 cm for SAR measurements ≤ 3 GHz and ≥ 10.0 cm ± 0.5 cm for measurements > 3 GHz.

The DASY system with an E-Field Probe was used for the measurements.

The dipole was mounted on the small tripod so that the dipole feed point was positioned below the center marking of the flat phantom section and the dipole was oriented parallel to the body axis (the long side of the phantom).

The standard measuring distance was 10 mm (above 1 GHz to 6 GHz) and 15 mm (below 1 GHz) from dipole center to the simulating liquid surface.

The coarse grid with a grid spacing of 15 mm (below 2 GHz), 12 mm (2 GHz to 4 GHz) and 10 mm (4 GHz to 6 GHz) was aligned with the dipole.

Around this point found in the coarse grid, a volume of 30 mm x 30 mm x 30 mm or more was assessed by measuring 7 x 7 x 7 points at least for below 3 GHz, a volume of 28 mm x 28 mm x 34 mm or more was assessed by measuring 8 x 8 x 8(ratio step method) points at least for 3 GHz to 5 GHz and a volume of

28 mm x 28 mm x 24 mm or more was assessed by measuring 8 x 8 x 8(ratio step method) points at least for 5 GHz to 6 GHz.

Distance between probe sensors and phantom surface was set to 1.4 mm.

The dipole input power (forward power) was 100 mW or 250 mW.

The results are normalized to 1 W input power.

Target Value

Freq [MHz]		Model,S/N		He	ad
				(SPEAG)	(SPEAG)
				1 g [W/kg]	10 g [W/kg]
	450	D450V3,1051	450D450V3,1051	4.56	3.06

The target(reference) SAR values can be obtained from the calibration certificate of system validation dipoles(Refer to Appendix 3). The target SAR values are SAR measured value in the calibration certificate scaled to 1 W.

			Т.О.		Measure	ed Results	Target	
Date Tested	Test Frea	Model,S/N	T.S.		Zoom	Normalize	(Ref. Value)	Delta
Bate rested	10011104	100001,0714	Liquid		Scan	to 1 W	[W/kg]	± 10 %
					[W/kg]	[W/kg]	[vv/kg]	
2024/4/24	450	D450V3,1051	Head	1 g	1.09	4.36	4.56	-4.39
				10 g	0.728	2.91	3.06	-4.90

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SECTION 12: Measured and Reported (Scaled) SAR Results

SAR Test Reduction criteria are as follows

KDB 447498 D01 (General RF Exposure Guidance):

Testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ♦ ≤ 0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≤ 100 MHz
- ♦ ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
- When reported SAR value is exceed 1.2 W/kg(if any), device holder perturbation verification is required; however, since distance between device holder and antenna of EUT is enough, it was not conducted.
- Reported SAR= Measured SAR [W/kg] * Power Scaled factor * Duty Scaled factor Maximum tune-up tolerance limit is by the specification from a customer.
 - * Power Scaled factor = Maximum tune-up tolerance limit [mW] / Measured power [mW]
 - * Duty Scaled factor = 1 / Duty (%) / 100
- Maximum tune-up tolerance limit is by the specification from a customer.

Note: Measured value is rounded round off to three decimal places

12.1 Result of Body SAR of 519 MHz S-band

				Power	(dBm)	Power		Duty	1-g SAF	R (W/kg)	
Test Position	Test Position Dist. (mm)	Mode	Freq. (MHz)	Tune-up upper Power	Measured average Power	Scaled factor	Duty (%)	Scaled factor	Meas.	Reported	Plot No.
) Radio microphone	508.125	15.31	14.10	1.32	100.0	1.00			
Front	0		518.775	15.31	14.36	1.25	100.0	1.00	0.145	0.181	
		Illicrophone	526.825	15.31	14.35	1.25	100.0	1.00			
		Radio	508.125	15.31	14.10	1.32	100.0	1.00			
Rear	0	microphone	518.775	15.31	14.36	1.25	100.0	1.00	0.150	0.187	
		microphone	526.825	15.31	14.35	1.25	100.0	1.00			
		Radio microphone	508.125	15.31	14.10	1.32	100.0	1.00	0.174	0.230	
Left	0		518.775	15.31	14.36	1.25	100.0	1.00	0.187	0.233	
			526.825	15.31	14.35	1.25	100.0	1.00	0.197	0.246	1
		Radio	508.125	15.31	14.10	1.32	100.0	1.00			
Right	0	microphone	518.775	15.31	14.36	1.25	100.0	1.00	0.174	0.217	
		microphone	526.825	15.31	14.35	1.25	100.0	1.00			
		Radio	508.125	15.31	14.10	1.32	100.0	1.00			
Тор	0	microphone	518.775	15.31	14.36	1.25	100.0	1.00	0.068	0.085	
		inicrophone	526.825	15.31	14.35	1.25	100.0	1.00			
Rear with		Radio	508.125	15.31	14.10	1.32	100.0	1.00			
beltclip	0		518.775	15.31	14.36	1.25	100.0	1.00	0.149	0.186	
Delicip		microphone	526.825	15.31	14.35	1.25	100.0	1.00			
Right without		Radio	508.125	15.31	14.10	1.32	100.0	1.00			
microphone	0	microphone	518.775	15.31	14.36	1.25	100.0	1.00	0.174	0.217	
microphone		illicropilone	526.825	15.31	14.35	1.25	100.0	1.00			

12.2 Repeated measurement

According to KDB 865664 D1.

- 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 measurements is > 1.20 or when the original or repeated measurement is ≥ 1.45 W/kg (~ 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.

Test	Configura	tion	Face		Meas. SA	AR (W/kg)	Largest to	
Exposure	Position	Dist. (mm)	Mode	Freq. (MHz)	Original	Repeated	Smallest SAR Ratio	Plot No.
Body	Left	0	Radio microphone	526.825	0.197	N/A	N/A	-

Note(s):

N/A: Repeated Measurement is not required since the original highest measured SAR for all band is < 0.80 W/kg.

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SECTION 13: Test instruments

For Output power measurement

LIMS ID	Description	Manufacturer	Model	Serial	Last Cal Date	Interval
244712	Thermo-Hygrometer	HIOKI E.E. CORPORATION	LR5001	231202106	2024/01/25	12
141810	Pow er Meter	Anritsu Corporation	ML2495A	824014	2023/12/12	12
141832	Pow er sensor	Anritsu Corporation	MA2411B	738174	2023/12/12	12
141156	Attenuator(10dB)	Weinschel Corp	2	BL1173	2023/11/17	12
141415	Microw ave Cable	Murata Manufacturing Company, Ltd.	MXGS83RK3000	1	2023/10/05	12
184490	Microw ave Cable	Murata Manufacturing Company, Ltd.	MXHS83QE3000	-	09/12/2023	12

For SAR measurement

LIMS ID	Description	Manufacturer	Model	Serial	Last Cal Date	Interval
141482	Data Acquisition Electronics	Schmid & Partner Engineering AG	DAE4	509	2023/08/04	12
141589	Dosimetric E-Field Probe	Schmid & Partner Engineering AG		3922	2023/08/11	12
141468	Dipole Antenna	Schmid & Partner Engineering AG	D450V3	1051	2021/09/17	36
142484	Device holder	Schmid & Partner Engineering AG	Mounting device for transmitte	-	2023/11/17	12
88581	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	-	2023/07/18	12
142247	SAR robot	Schmid & Partner Engineering AG	TX60 Lspeag	F10/5E3LA1/A	2024/04/30	12
142561	Dual Directional Coupler	Keysight Technologies Inc	778D	MY52180243	-	-
142056	2mm Oval Flat Phantom	Schmid & Partner Engineering AG	QDOVA001BB	1045	2023/05/10	12
141182	Dielectric assessment software	Schmid & Partner Engineering AG	DAK	-	-	-
173900	Software for MA24106A	Anritsu Corporation	Anritsu Pow erXpert	-	-	-
197379	Dielectric assessment kit	Schmid & Partner Engineering AG	DAKS-3.5	1058	2023/05/22	12
142313	Attenuator	Telegrartner	J01156A0011	42294119	-	-
141865	Vector Reflectometer	Copper Mountain Technologies	PLANAR R140	0110614	2023/05/19	12
141574	Digital thermometer	LKM electronic	DTM3000	-	2023/07/18	12
141843	Pow er sensor	Anritsu Corporation	MA24106A	1026164	2024/03/15	12
141844	Pow er sensor	Anritsu Corporation	MA24106A	1031504	2024/03/15	12
141875	Pre Amplifier	R&K	R&K CGA020M602-2633R	B30550	2023/06/27	12
176484	Head Simulating Liquid	Schmid & Partner Engineering AG	HBBL600-10000V6	SL AAH U16 B	-	-
141181	Dasy5	Schmid & Partner Engineering AG	DASY5	-	-	-
141890	Signal Generator	Keysight Technologies Inc	N5181A	MY47421098	2023/11/10	12
142865	Water, distilled	KISHIDA CHEMICAL Co.,Ltd.	020-85566	K70244M	-	-
141311	Attenuator	Weinschel Associates	WA1-20-33	100131	2024/04/03	12
141808	Dual Pow er Meter	Keysight Technologies Inc	E4419B	MY45102060	2023/08/25	12
221492	Pow er sensor	Keysight Technologies Inc	E9300H	MY62080002	2023/08/25	12
244706	Thermo-Hygrometer	A & D	AD-5648A	1003	2024/01/25	12

The expiration date of the calibration is the end of the expired month.

All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

SAR room is checked before every testing and ambient noise is <0.012 W/kg

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APPENDIX 1: System Check

System check result Body 450 MHz

Communication System Channel Number: 0; Duty Cycle: 1:1

Medium parameters used: f = 450 MHz; σ = 0.832 S/m; ϵ_r = 42.985; ρ = 1000 kg/m³

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.012W/kg
- Electronics: DAE4 Sn509; Calibrated: 2023/08/04 Probe: EX3DV4 SN3922; ConvF(11.23, 11.23, 11.23) @ 450 MHz; Calibrated: 2023/08/11
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI v4.0 (20deg probe tilt); Phantom section: Flat Section; Type: QDOVA001BB
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

Pin/250 mW/Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm Maximum value of SAR (interpolated) = 1.48 W/kg

Pin/250 mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx= 5mm, dy=5 mm, dz=5 mm Reference Value = 43.56 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.728 W/kg

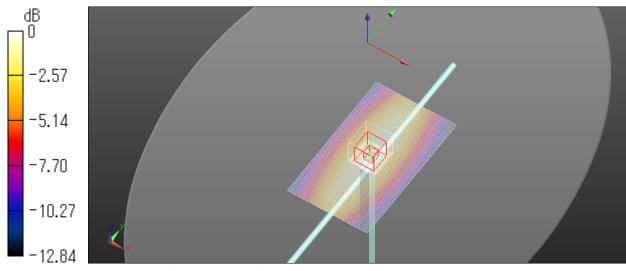
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm) Ratio of SAR at M2 to SAR at M1 = 64%

Maximum value of SAR (measured) = 1.48 W/kg

Pin/250 mW/Z Scan 2 (1x1x7): Measurement grid: dx=20 mm, dy=20 mm, dz=5 mm Maximum value of SAR (measured) = 1.48 W/kg

Ambient Temp.: 24.0 degree.C. Liquid Temp.; 24.6 degree.C. Liquid temp. is kept within the 2 degree.C. during the test.

Date: 2024/04/24



0 dB = 1.48 W/kg = 1.70 dBW/kg

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APPENDIX 2: SAR Measurement data

Evaluation procedure

The evaluation was performed with the following procedure:

Step 1: Measurement of the E-field at a fixed location above the ear point or central position of flat phantom was used as a reference value for assessing the power drop.

Step 2: The SAR distribution at the exposed side of head or body position was measured at a distance of each device from the inner surface of the shell. The area covered the entire dimension of the antenna of EUT and the horizontal grid spacing was 15 mm x 15 mm, 12 mm x 12 mm, 10 mm x 10 mm. Based on these data, the area of the maximum absorption was determined by spline interpolation.

Step 3: Around this point found in the Step 2 (area scan), a volume of 30 mm x 30 mm x 30 mm or more was assessed by measuring 7 x 7 x 7 points at least for below 3 GHz, a volume of 28 mm x 28 mm x 34 mm or more was assessed by measuring 8 x 8 x 8(ratio step method (*1)) points at least for 3 GHz to 5 GHz, a volume of 28 mm x 28 mm x 24 mm or more was assessed by measuring 8 x 8 x 8(ratio step method) points at least for

5 GHz to 6 GHz.

And for any secondary peaks found in the Step2 which are within 2 dB of maximum peak and not with this Step3 (Zoom scan) is repeated. 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 mm(EX3DV4) 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 [4]. 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 average.
- (3). All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

*1. Ratio step method parameters used;

The first measurement point: 1.4 mm from the phantom surface, the initial grid separation: 1.4 mm, subsequent graded grid ratio: 1.4

These parameters comply with the requirement of the KDB 865664 D01.

Step 4: Re-measurement of the E-field at the same location as in Step 1.

Confirmation after SAR testing

It was checked that the power drift [W] is within +/-5 %. The verification of power drift during the SAR test is that DASY5 system calculates the power drift by measuring the e-filed at the same location at beginning and the end of the scan measurement for each test position.

DASY5 system calculation Power drift value[dB] =20log(Ea)/(Eb)

 $\begin{array}{lll} \text{Before SAR testing} & : \text{Eb [V/m]} \\ \text{After SAR testing} & : \text{Ea [V/m]} \end{array}$

Limit of power drift[W] = +/- 5 %

X[dB] = 10log[P] = 10log(1.05/1) = 10log(1.05) -10log(1) = 0.212 dB

from E-filed relations with power.

 $p=E^2/\eta$

Therefore, The correlation of power and the E-filed

 $X dB = 10log(P) = 10log(E)^2 = 20log(E)$

Therefore,

The calculated power drift of DASY5 System must be the less than +/- 0.212 dB.

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Measurement data

Plot No. 1

519 MHz S-band

Communication System info

Communication System: UID 0, Radio microphone (0) Communication System Band: UCDuty Cycle: 1:1 Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Probe info:

Probe: EX3DV4 - SN3922 / Calibrated: 2023/08/11 ConvF(10.53, 10.53, 10.53) @ 526.825 MHz

Medium parameters used (interpolated): f = 526.825 MHz; σ = 0.855 S/m; ϵ_r = 42.565; ρ = 1000 kg/m³

Sensor-Surface: 1.4mm (Mechanical Surface Detection)

DAE info:

Electronics: DAE4 Sn509 / Calibrated: 2023/08/04

Phantom info:

Phantom: ELI v4.0 (20deg probe tilt)/Phantom section: Flat Section

Type: QDOVA001BB Serial: TP:1045

Software info DASY52 52.10.4(1535) SEMCAD X 14.6.14(7501)

Radio/Left 526.825 MHz/Area Scan (41x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (interpolated) = 0.320 W/kg

Radio/Left 526.825 MHz/Zoom Scan finer (13x12x8)/Cube 0: Measurement grid: dx=3mm, dy=3mm, dz=1.4mm

Reference Value = 7.610 V/m; Power Drift = 0.19 dB Peak SAR (extrapolated) = 2.29 W/kg

SAR(1 g) = 0.197 W/kg; SAR(10 g) = 0.058 W/kg

Smallest distance from peaks to all points 3 dB below = 4.2 mm

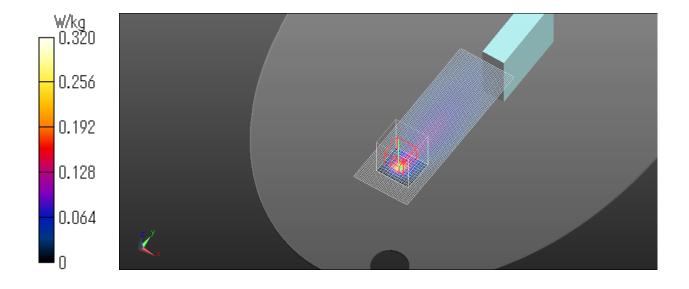
Ratio of SAR at M2 to SAR at M1 = 42.2%

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.572 W/kg

Ambient Temp.: 24.0 degree.C. Liquid Temp.; 24.6 degree.C. Liquid temp. is kept within the 2 degree.C. during the test.

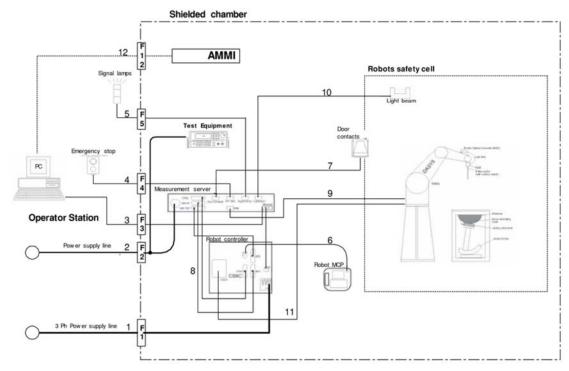
Date: 2024/04/25



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APPENDIX 3: System specifications

Configuration and peripherals



The DASY5 system for performing compliance tests consist of the following items: Our system is DASY6; however, it behaves as DASY5.

- a) A standard high precision 6-axis robot (Stäubli RX family) with controller and software. An arm extension for accommodating the data acquisition electronics (DAE).
- b) An isotropic field probe optimized and calibrated for the targeted measurement.
- c) A data acquisition electronic (DAE), which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- d) The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to the DAE and for the analog signal from the optical surface detection.
 - The EOC is connected to the measurement server.
- e) 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.
- f) The Light Beam used is for probe alignment. This improves the (absolute) accuracy of the probe positioning.
- g) A computer running Windows 10 or 7 and the DASY5/6 software.
- h) Remote control with teaches pendant and additional circuitry for robot safety such as warning lamps, etc.
- i) The phantom, the device holder and other accessories according to the targeted measurement.

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Specifications

a) Robot TX60L

Number of Axes 6 **Nominal Load** 2 kg Maximum Load 5 kg Reach 920 mm Repeatability +/-0.03 mm **Control Unit** CS8c **Programming Language:** VAL3 Weight 52.2 kg

Manufacture : Stäubli Robotics

b) E-Field Probe

Model : EX3DV4

Construction : Symmetrical design with triangular core

Built-in shielding against static charges

PEEK enclosure material

(resistant to organic solvents, e.g., glycol ether)

Frequency: 10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)

Directivity : +/-0.3 dB in HSL (rotation around probe axis)

+/-0.5 dB in tissue material (rotation normal probe axis)

Dynamic Range : 10 uW/g to > 100 mW/g;Linearity

+/-0.2 dB(noise: typically < 1 uW/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: Highprecision dosimetric measurement in any exposure scenario

(e.g., very strong gradient fields). Only probe which enables compliance

testing for frequencies up to 6 GHz with precision of better 30 %.

Manufacture : Schmid & Partner Engineering AG



EX3DV4 E-field Probe

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c) Data Acquisition Electronic (DAE4)

Features : Signal amplifier, multiplexer, A/D converter and control logic

Serial optical link for communication with DASY5 embedded system (fully remote

controlled)

Two step probe touch detector for mechanical surface detection and emergency

robot stop

Measurement Range : -100 to +300 mV (16 bit resolution and two range settings: 4 mV, 400 mV)

Input Offset voltage : $< 5 \mu V$ (with auto zero)

 Input Resistance
 :
 200 MΩ

 Input Bias Current
 :
 < 50 fA

Battery Power : > 10 h of operation (with two 9.6 V NiMH accus)

Dimension : $60 \times 60 \times 68 \text{ mm}$

Manufacture : Schmid & Partner Engineering AG

d) Electro-Optic Converter (EOC)

Version : EOC 61

Description: for TX60 robot arm, including proximity sensor

Manufacture : Schmid & Partner Engineering AG

e) DASY5 Measurement server

Features : Intel ULV Celeron 400 MHz

128 MB chip disk and 128 MB RAM

16 Bit A/D converter for surface detection system

Vacuum Fluorescent Display

Robot Interface

Serial link to DAE (with watchdog supervision)

Door contact port (Possibility to connect a light curtain) Emergency stop port (to connect the remote control)

Signal lamps port Light beam port

Three Ethernet connection ports

Two USB 2.0 Ports Two serial links

Expansion port for future applications

Dimensions (L x W x H) : 440 x 241 x 89 mm

Manufacture : Schmid & Partner Engineering AG

f) Light Beam Switches

Version : LB5

Dimensions (L x H):110 x 80 mmThickness:12 mmBeam-length:80 mm

Manufacture : Schmid & Partner Engineering AG

g) Software

Item : Dosimetric Assessment System DASY5

Type No. : SD 000 401A, SD 000 402A Software version No. : DASY52, Version 52.6 (1)

Manufacture / Origin : Schmid & Partner Engineering AG

h) Robot Control Unit

Weight : 70 Kg
AC Input Voltage : selectable
Manufacturer : Stäubli Robotics

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i) Phantom and Device Holder

Phantom

Type : SAM Twin Phantom V4.0

Description: The shell corresponds to the specifications of the Specific Anthropomorphic

Mannequin

(SAM) phantom defined in IEEE 1528 and IEC 62209-1. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.

Material : Vinylester, glass fiber reinforced (VE-GF)

Shell Material : Fiberglass
Thickness : 2.0 +/- 0.2 mm

Dimensions : Length: 1000 mm Width: 500 mm Height: adjustable feet

Volume : Approx. 25 liters

Manufacture : Schmid & Partner Engineering AG

Type : 2 mm Flat phantom ELI4.0 or 5

Description: Phantom for compliance testing of handheld and body-mounted wireless

devices in the frequency range of 30 MHz to 6 GHz. ELI4 is fully

compatible with the latest draft of the standard IEC 62209 Part II and all known tissue simulating liquids. ELI4 has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is supported by software version DASY4.5 and higher and

is compatible with all SPEAG dosimetric probes and dipoles.

Material : Vinylester, glass fiber reinforced (VE-GF)

Shell Thickness : $2.0 \pm 0.2 \text{ mm} \text{ (sagging: < 1 \%)}$

Filling Volume : Approx. 30 liters

Dimensions: Major ellipse axis: 600 mm Minor axis: 400 mm

Manufacture : Schmid & Partner Engineering AG

Device Holder

In combination with the Twin SAM Phantom V4.0/V4.0c or ELI4, the Mounting Device enables the rotation of the mounted transmitter device in spherical coordinates. Rotation point is the ear opening point. Transmitter devices can be easily and accurately positioned according to IEC, IEEE, FCC or other specifications. The device holder can be locked for positioning at different phantom sections (left head, right head, flat).

Material : POM

Laptop Extensions kit

Simple but effective and easy-to-use extension for Mounting Device that facilitates the testing of larger devices according to IEC 62209-2 (e.g., laptops, cameras, etc.). It is lightweight and fits easily on the upper part of the Mounting Device in place of the phone positioner. The extension is fully compatible with the Twin-SAM, ELI4 Phantoms.

Material : POM, Acrylic glass, Foam

<u>Urethane</u>

For this measurement, the urethane foam was used as device holder.

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j) Simulated Tissues (Liquid)

The following tissue formulations are provided for reference only as some of the parameters have not been thoroughly verified. The composition of ingredients may be modified accordingly to achieve the desired target tissue parameters required for routine SAR evaluation.

Product identifier

Trade name	Broad Band Tissue Simulation Liquid
	HBBL600-10000V6, MBBL600-6000V6, HU16B, MU16B
Manufacturer/Supplier	Schmid & Partner Engineering AG

Declarable components:

Deciarable components.		
CAS: 107-21-1	Ethanediol	< 5.2%
EINECS: 203-473-3	STOT RE 2, H373;	
Reg.nr.: 01-2119456816-28-0000	Acute Tox. 4, H302	
CAS: 68608-26-4	Sodium petroleum sulfonate	< 2.9%
EINECS: 271-781-5	Eye Irrit. 2, H319	
Reg.nr.: 01-2119527859-22-0000		
CAS: 107-41-5	Hexylene Glycol / 2-Methyl-pentane-2,4-diol	< 2.9%
EINECS: 203-489-0	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
Reg.nr.: 01-2119539582-35-0000		
CAS: 68920-66-1	Alkoxylated alcohol, > C ₁₆	< 2.0%
NLP: 500-236-9	Aquatic Chronic 2, H411;	
Reg.nr.: 01-2119489407-26-0000	Skin Irrit. 2, H315; Eye Irrit. 2, H319	

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System Check Dipole SAR Calibration Certificate -Dipole 450 MHz (D450V3 S/N: 1051)

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

Client

Certificate No: D450V3-1051_Sep21

Dbject	D450V3 - SN:105		
Calibration procedure(s)	QA CAL-15.v9 Calibration Proced	dure for SAR Validation Sources	below 700 MHz
Calibration date:	September 17, 20	21	
Calibration Equipment used (M&Tt		y facility: environment temperature $(22 \pm 3)^{\circ}$ C Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP	SN: 104778	09-Apr-21 (No. 217-03291/03292)	Apr-22
	SN: 103244	09-Apr-21 (No. 217-03291)	Apr-22
Power sensor NRP-Z91	SN: 103244 SN: 103245	09-Apr-21 (No. 217-03291) 09-Apr-21 (No. 217-03292)	Apr-22
Power sensor NRP-Z91 Power sensor NRP-Z91			
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator	SN: 103245	09-Apr-21 (No. 217-03292)	Apr-22 Apr-22 Apr-22
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination	SN: 103245 SN: CC2552 (20x)	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20)	Apr-22 Apr-22 Apr-22 Dec-21
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344)	Apr-22 Apr-22 Apr-22
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20) 28-Jun-21 (No. DAE4-654_Jun21)	Apr-22 Apr-22 Apr-22 Dec-21
rower sensor NRP-Z91 rower sensor NRP-Z91 teference 20 dB Attenuator rype-N mismatch combination deference Probe EX3DV4 DAE4 Secondary Standards	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20)	Apr-22 Apr-22 Apr-22 Dec-21 Jun-22
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20) 28-Jun-21 (No. DAE4-654_Jun21) Check Date (in house)	Apr-22 Apr-22 Apr-22 Dec-21 Jun-22 Scheduled Check
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20) 28-Jun-21 (No. DAE4-654_Jun21) Check Date (in house) 06-Apr-16 (in house check Jun-20)	Apr-22 Apr-22 Apr-22 Dec-21 Jun-22 Scheduled Check In house check: Jun-22
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20) 28-Jun-21 (No. DAE4-654_Jun21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20)	Apr-22 Apr-22 Apr-22 Dec-21 Jun-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A RF generator HP 8648C	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20) 28-Jun-21 (No. DAE4-654_Jun21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20)	Apr-22 Apr-22 Apr-22 Dec-21 Jun-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US3642U01700	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20) 28-Jun-21 (No. DAE4-654_Jun21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 04-Aug-99 (in house check Jun-20)	Apr-22 Apr-22 Apr-22 Dec-21 Jun-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Flype-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C Network Analyzer Agilent E8358A	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US41080477 Name	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20) 28-Jun-21 (No. DAE4-654_Jun21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 04-Aug-99 (in house check Jun-20) 31-Mar-14 (in house check Jun-20)	Apr-22 Apr-22 Apr-22 Dec-21 Jun-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Oct-21
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US3642U01700	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20) 28-Jun-21 (No. DAE4-654_Jun21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 04-Aug-99 (in house check Jun-20) 31-Mar-14 (in house check Jun-20)	Apr-22 Apr-22 Apr-22 Dec-21 Jun-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Oct-21
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C Network Analyzer Agilent E8358A	SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877 SN: 654 ID # SN: GB41293874 SN: MY41498087 SN: 000110210 SN: US3642U01700 SN: US41080477 Name	09-Apr-21 (No. 217-03292) 09-Apr-21 (No. 217-03343) 09-Apr-21 (No. 217-03344) 30-Dec-20 (No. EX3-3877_Dec20) 28-Jun-21 (No. DAE4-654_Jun21) Check Date (in house) 06-Apr-16 (in house check Jun-20) 06-Apr-16 (in house check Jun-20) 04-Aug-99 (in house check Jun-20) 31-Mar-14 (in house check Jun-20)	Apr-22 Apr-22 Apr-22 Dec-21 Jun-22 Scheduled Check In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Jun-22 In house check: Oct-21

Certificate No: D450V3-1051_Sep21

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Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland





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

Swiss Calibration Service Accreditation No.: SCS 0108

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

ConvF N/A

sensitivity in TSL / NORM x,y,z not applicable or not measured

Calibration is Performed According to the Following Standards:

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

Additional Documentation:

c) DASY System Handbook

Methods Applied and Interpretation of Parameters:

- Measurement Conditions: Further details are available from the Validation Report at the end of the certificate. All figures stated in the certificate are valid at the frequency indicated.
- Antenna Parameters with TSL: The source is mounted in a touch configuration below the center marking of the flat phantom.
- Return Loss: This parameter is measured with the source positioned under the liquid filled phantom (as described in the measurement condition clause). The Return Loss ensures low reflected power. No uncertainty required.
- SAR measured: SAR measured at the stated antenna input power.
- SAR normalized: SAR as measured, normalized to an input power of 1 W at the antenna
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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

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Measurement Conditions

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

DASY Version	DASY52	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	

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	42.8 ± 6 %	0.86 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	4.59 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	3.07 W/kg ± 17.6 % (k=2)

Body TSL parameters

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	56.7	0.94 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	55.9 ± 6 %	0.95 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		

SAR result with Body TSL

SAR averaged over 1 cm ³ (1 g) of Body TSL	Condition	
SAR measured	250 mW input power	1.18 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	4.67 W/kg ± 18.1 % (k=2)

SAR averaged over 10 cm ³ (10 g) of Body TSL	condition	
SAR measured	250 mW input power	0.795 W/kg
SAR for nominal Body TSL parameters	normalized to 1W	3.15 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	56.0 Ω - 6.8 jΩ
Return Loss	- 21.4 dB

Antenna Parameters with Body TSL

Impedance, transformed to feed point	53.0 Ω - 9.5 jΩ
Return Loss	- 20.3 dB

General Antenna Parameters and Design

Floatrical Dalay (and discours)	
Electrical Delay (one direction)	1.350 ns
	1.550 115

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	
	SPEAG	

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DASY5 Validation Report for Head TSL

Date: 17.09.2021

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 450 MHz; Type: D450V3; Serial: D450V3 - SN:1051

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

Medium parameters used: f = 450 MHz; $\sigma = 0.86$ S/m; $\varepsilon_r = 42.8$; $\rho = 1000$ kg/m³

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: 30.12.2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn654; Calibrated: 28.06.2021
- 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 = 39.24 V/m; Power Drift = -0.00 dB

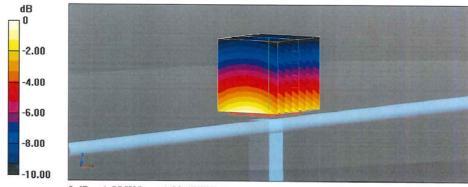
Peak SAR (extrapolated) = 1.78 W/kg

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 (> 30 mm)

Ratio of SAR at M2 to SAR at M1 = 64.2%

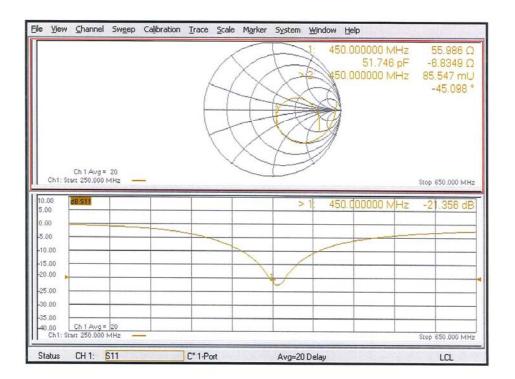
Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

Certificate No: D450V3-1051_Sep21

Impedance Measurement Plot for Head TSL



Certificate No: D450V3-1051_Sep21

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DASY5 Validation Report for Body TSL

Date: 17.09.2021

Test Laboratory: SPEAG, Zurich, Switzerland

DUT: Dipole 450 MHz; Type: D450V3; Serial: D450V3 - SN:1051

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

Medium parameters used: f = 450 MHz; $\sigma = 0.95 \text{ S/m}$; $\varepsilon_r = 55.9$; $\rho = 1000 \text{ kg/m}^3$

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: 30.12.2020
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn654; Calibrated: 28.06.2021
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1003
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

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

Reference Value = 42.43 V/m; Power Drift = -0.02 dB

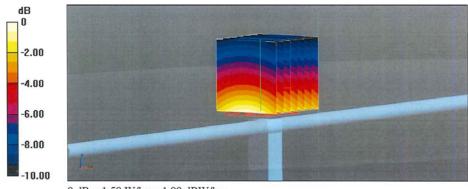
Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.795 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 30 mm)

Ratio of SAR at M2 to SAR at M1 = 65.4%

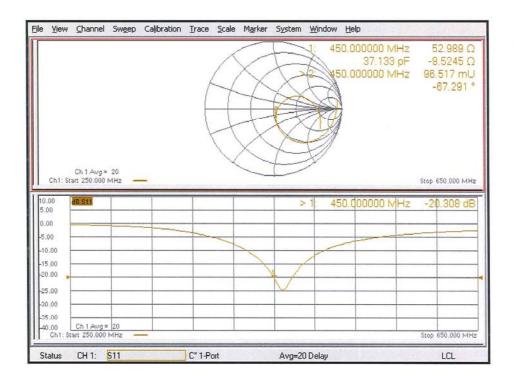
Maximum value of SAR (measured) = 1.58 W/kg



0 dB = 1.58 W/kg = 1.99 dBW/kg

Certificate No: D450V3-1051_Sep21

Impedance Measurement Plot for Body TSL



Certificate No: D450V3-1051_Sep21

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Calibration for Impedance and Return-loss

Equipment	Dipole Antenna	Model	D450V3
Manufacture	Schmid & Partner Engineering AG	Serial	1051
Tested by	Hisayoshi Sato		

1. Test environment

Date	September 30, 2022		
Ambient Temperature	24.0 deg.C	Relative humidity	40 %RH
Date	August 1, 2023		
Ambient Temperature	22.5 deg.C	Relative humidity	40 %RH

2. Equipment used

2022

Local ld	LIMS ID	Description	Manufacturer	Model	Serial	Last Cal Date	Interval
			Schmid&Partner Engineering				
MPF-03	142057	2mm Oval Flat Phantom	AG	QDOVA001BB	1203	2021/05/28	12
MOS-33	88581	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	-	2021/07/08	12
			Schmid&Partner Engineering				
MPF-02	142056	2mm Oval Flat Phantom	AG	QDOVA001BB	1045	2021/05/28	12
			Schmid & Partner Engineering				
MMBBL600-6000	176483	Body Simulating Liquid	AG	MBBL600-6000	SL AAM U16 BC	-	-
			Schmid & Partner Engineering				
MHBBL600-10000	176484	Head Simulating Liquid	AG	HBBL600-10000V6	SL AAH U16 BC	-	-
EST-63	150815	Netw ork Analyzer	Keysight Technologies Inc	E5071C	MY 46523746	2021/07/02	12
EST-57	141991	2.4mm Calibration Kit	Keysight Technologies Inc	85056A	MY 44300225	2021/08/31	12

2023

Local ld	LIMS ID	Description	Manufacturer	Model	Serial	Last Cal Date	Interval
MOS-33	88581	Thermo-Hygrometer	CUSTOM. Inc	CTH-201	-	2023/07/18	12
MPSAM-02	142060	SAM Phantom	Schmid & Partner Engineering AG	QD000P40CB	1333	2023/05/10	12
MPF-02	142056	2mm Oval Flat Phantom	Schmid & Partner Engineering AG	QDOVA001BB	1045	2023/05/10	12
MMBBL600-6000	176483	Body Simulating Liquid	Schmid & Partner Engineering AG	MBBL600-6000	SL AAM U16 BC	-	-
MHBBL600-10000	176484	Head Simulating Liquid	Schmid & Partner Engineering AG	HBBL600-10000V6	SL AAH U16 BC	-	-
EST-63	150815	Netw ork Analyzer	Keysight Technologies Inc	E5071C	MY46523746	2022/08/23	12
EST-57	141991	2.4mm Calibration Kit	Keysight Technologies Inc	85056A	MY44300225	2022/08/18	12

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3. Test Result

		Head	Head	Deviation	Deviation		
Impeadance, Transformed to feed poin	cal day	(real part) [Ω]	(img part) [jΩ]	(real part) [Ω]	(img part) [jΩ]	Tolerance	Result
Calibration (SPEAG)	2021/9/17	55.99	-6.83	-	-	-	-
Calibration(ULJ)	2022/9/30	58.31	-9.55	2.32	-2.72	+/- 5 Ω +/- 5 jΩ	Complied
Calibration(ULJ)	2023/8/1	59.13	-10.33	3.14	-3.50	+/- 5 Ω +/- 5 jΩ	Complied

		Head	Deviation	Deviation	Tolerance	Tolerance	
Return loss	cal day	[dB]	[%]	[dB]	[%]	[+/- dB]	Result
Calibration (SPEAG)	2021/9/17	-21.36	-	-	-	-	-
Calibration(ULJ)	2022/9/30	-18.70	12.43	2.66	+/- 20.00	4.27	Complied
Calibration(ULJ)	2023/8/1	-18.01	15.67	3.35	+/- 20.00	4.27	Complied

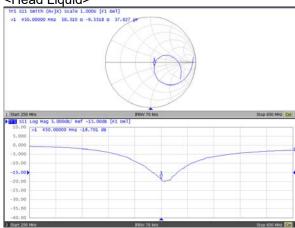
		Body	Body	Deviation	Deviation		
Impeadance, Transformed to feed poin	cal day	(real part) [Ω]	(img part) [jΩ]	(real part) [Ω]	(img part) [jΩ]	Tolerance	Result
Calibration (SPEAG)	2021/9/17	52.99	-9.52	-	-	-	-
Calibration(ULJ)	2022/9/30	54.48	-12.08	1.49	-2.56	+/- 5 Ω +/- 5 jΩ	Complied
Calibration(ULJ)	2023/8/1	55.65	-9.07	2.66	0.45	+/- 5 Ω +/- 5 jΩ	Complied

		Body	Deviation	Deviation	Tolerance	Tolerance	
Return loss	cal day	[dB]	[%]	[dB]	[%]	[+/- dB]	Result
Calibration (SPEAG)	2021/9/17	-20.31	-	-	-	-	-
Calibration(ULJ)	2022/9/30	-18.23	10.26	2.08	+/- 20.00	4.06	Complied
Calibration(ULJ)	2023/8/1	-19.91	1.96	0.40	+/- 20.00	4.06	Complied

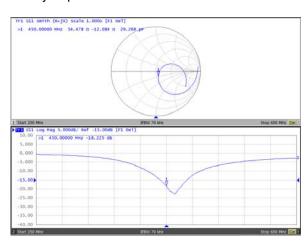
Tolerance: According to the KDB 865664 D1

Measurement Plots 2022

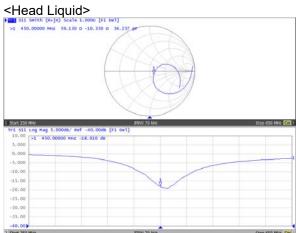
<Head Liquid>



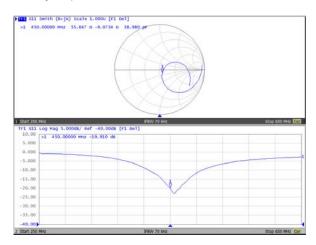
<Body Liquid>



Measurement Plots 2023



<Body Liquid>



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Dosimetric E-Field Probe Calibration Certificate (EX3DV4, S/N: 3922)

Calibration Laboratory of Schmid & Partner Engineering AG





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

Swiss Calibration Service

Zeughausstrasse 43, 8004 Zurich, Switzerland

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

Accreditation No.: SCS 0108

Client

UL Japan Head Office

lse, Japan

Certificate No.

EX-3922_Aug23

CALIBRATION CERTIFICATE

Object

EX3DV4 - SN:3922

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

August 11, 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 \pm 3) $^{\circ}$ 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 E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

	Name	Function	Sign
Calibrated by	Michael Weber	Laboratory Technician	A.M.
Approved by	Sven Kühn	Technical Manager	
This calibration certificate	shall not be reproduced except in	n full without written approval of the lab	Issued: A

Certificate No: EX-3922_Aug23

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Calibration Laboratory of Schmid & Partner







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

Accreditation No.: SCS 0108

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland

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

normal to probe axis

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

Calibration is Performed According to the Following Standards:

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

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization ∂ = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). NORMx,y,z are only intermediate values, i.e., the uncertainties of NORMx,y,z does not affect the E2-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of
- · DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media
- PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z: A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800 MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800 MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z * ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ±50 MHz to ±100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch
- · 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).

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EX3DV4 - SN:3922 August 11, 2023

Parameters of Probe: EX3DV4 - SN:3922

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm $(\mu V/(V/m)^2)$ A	0.64	0.56	0.59	±10.1%
DCP (mV) B	98.8	101.6	100.4	±4.7%

Calibration Results for Modulation Response

UID	Communication System Name		Α	В	С	D	VR	Max	Max
			dB	dB√ μV		dB	m۷	dev.	Unc ^E
									k = 2
0	CW	X	0.00	0.00	1.00	0.00	140.7	±2.7%	±4.7%
		Y	0.00	0.00	1.00		149.2		
		Z	0.00	0.00	1.00		157.2		
10352	Pulse Waveform (200Hz, 10%)	X	20.00	90.38	20.71	10.00	60.0	±3.3%	±9.6%
		Y	20.00	90.30	20.27		60.0	1	
		Z	20.00	90.21	20.58		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	20.00	90.72	20.10	6.99	80.0	±1.7%	±9.6%
		Y	20.00	91.35	19.65		80.0	1	
		Z	20.00	90.57	19.96		80.0		
10354	Pulse Waveform (200Hz, 40%)	Х	20.00	93.48	20.33	3.98	95.0	±0.9%	±9.6%
		Y	20.00	93.20	19.10	ĺ	95.0	1	
		Z	20.00	93.23	20.12		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	20.00	98.42	21.51	2.22	120.0	±1.0%	±9.6%
		Y	20.00	92.91	17.59		120.0		
		Z	20.00	94.28	19.42		120.0		
10387	QPSK Waveform, 1 MHz	X	1.74	67.04	15.54	1.00	150.0	±3.1%	±9.6%
		Y	1.42	65.45	13.81	1	150.0	1	
		Z	1.76	66.77	15.33		150.0		
10388	QPSK Waveform, 10 MHz	X	2.33	68.89	16.26	0.00	150.0	±1.1%	±9.6%
		Y	1.93	66.59	14.79	1	150.0	1	±9.6% ±9.6% ±9.6%
		Z	2.36	68.92	16.11	1	150.0	1	
10396	64-QAM Waveform, 100 kHz	X	3.28	72.62	20.01	3.01	150.0	±0.8%	±9.6%
		Y	2.59	69.05	18.11	1	150.0	1	
		Z	4.03	76.28	21.53	1	150.0	1	
10399	64-QAM Waveform, 40 MHz	X	3.57	67.49	16.02	0.00	150.0	±2.0%	±9.6%
		Y	3.30	66.51	15.31	1	150.0	1	
		Z	3.47	67.00	15.70	1	150.0	1	
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.89	65.83	15.68	0.00	150.0	±4.0%	±9.6%
		Y	4.63	65.44	15.32	1	150.0	1	
		Z	4.83	65.49	15.44	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%.

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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.

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EX3DV4 - SN:3922 August 11, 2023

Parameters of Probe: EX3DV4 - SN:3922

Sensor Model Parameters

·	C1 fF	C2 fF	α V ⁻¹	T1 msV ⁻²	T2 msV ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	Т6
x	44.8	333.36	35.33	28.51	0.06	5.10	1.30	0.26	1.01
У	34.9	259.92	35.33	14.08	0.19	5.10	0.72	0.27	1.01
z	47.6	352.96	35.14	27.90	0.08	5.10	1.77	0.21	1.01

Other Probe Parameters

Sensor Arrangement	Triangular
Connector Angle	-70.1°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	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:3922 August 11, 2023

Parameters of Probe: EX3DV4 - SN:3922

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)
450	43.5	0.87	11.23	11.23	11.23	0.16	1.30	±13.3%
600	42.7	0.88	10.53	10.53	10.53	0.10	1.25	±13.3%
900	41.5	0.97	9.92	9.92	9.92	0.46	0.82	±12.0%
2450	39.2	1.80	7.88	7.88	7.88	0.36	0.90	±12.0%
5250	35.9	4.71	5.54	5.54	5.54	0.40	1.80	±14.0%
5600	35.5	5.07	4.72	4.72	4.72	0.40	1.80	±14.0%
5800	35.3	5.27	4.86	4.86	4.86	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 ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for ConvF assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of ConvF assessed at 6 MHz is 4–9 MHz, and ConvF assessed at 13 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ±110 MHz.

The probes are calibrated using tissue simulating liquids (TSL) that deviate for \$\varepsilon\$ and \$\sigma\$ 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 always less than $\pm 1\%$ for frequencies below 3 GHz and below $\pm 2\%$ for frequencies between 3–6 GHz at any distance larger than half the probe tip diameter from the boundary.

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EX3DV4 - SN:3922 August 11, 2023

Parameters of Probe: EX3DV4 - SN:3922

Calibration Parameter Determined in Body 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)
450	56.7	0.94	11.48	11.48	11.48	0.11	1.20	±13.3%
600	56.1	0.95	10.88	10.88	10.88	0.10	1.35	±13.3%
2450	52.7	1.95	7.66	7.66	7.66	0.33	0.90	±12.0%
5250	48.9	5.36	4.77	4.77	4.77	0.50	1.90	±14.0%
5600	48.5	5.77	4.11	4.11	4.11	0.50	1.90	±14.0%
5800	48.2	6.00	4.18	4.18	4.18	0.50	1.90	±14.0%

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

The probes are calibrated using tissue simulating liquids (TSL) that deviate for \$e\$ and \$a\$ by less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10%. If 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.

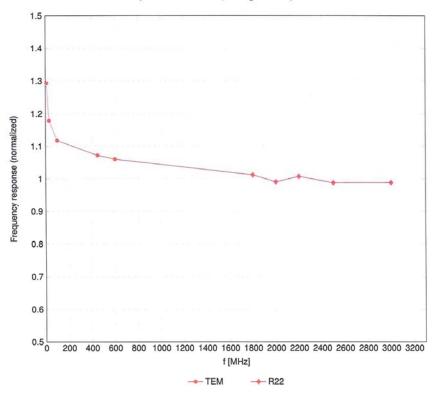
Alpha/Depth are determined during calibration. SPEAG warrants that the remaining deviation due to the boundary effect after compensation is always less

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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.

Frequency Response of E-Field

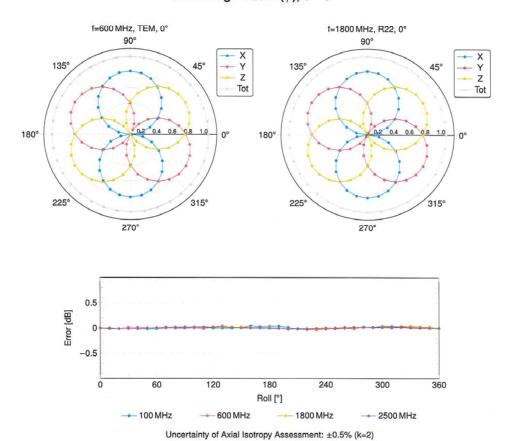
(TEM-Cell:ifi110 EXX, Waveguide:R22)



Uncertainty of Frequency Response of E-field: $\pm 6.3\%$ (k=2)

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

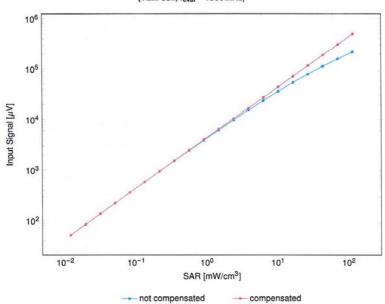


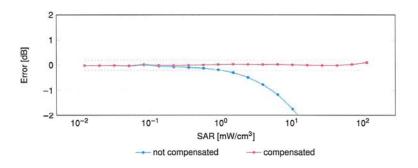
Certificate No: EX-3922_Aug23

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Dynamic Range f(SAR_{head})

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



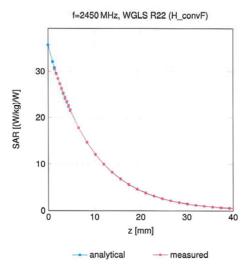


Uncertainty of Linearity Assessment: ±0.6% (k=2)

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Conversion Factor Assessment



Deviation from Isotropy in Liquid

Error (ϕ, θ) , f = 900 MHz 8.0 0.6 0.4 0.2 Deviation 0 50 -0.2 -0.4 40 -0.6 -0.8 Y [deg] 45 90 135 180 270 315 3600 X [deg] -0.6 -0.4 -0.2 0.2 0.4 0 0.6 Uncertainty of Spherical Isotropy Assessment: ±2.6% (k=2)

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EX3DV4 - SN:3922 August 11, 2023

Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10012	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10013	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10021	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	
					±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	±9.6
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
10035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
10037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
10039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
10056	ÇAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
	DAC		GSM	6.52	
10058		EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)			±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/n WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
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 (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
10077	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10081	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10082	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	
10090	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
		1 , ,			
10098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
10099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10108					
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD LTE-FDD	6.43 5.75	±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, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
10119	ÇAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD	6.53	±9.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
10143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
10144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
10145	CAG	LTE-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, 64-QAM)	LTE-FDD	6.72	±9.6
10149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
10152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
10153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FDD	5.79	±9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 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	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	6.58	±9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	5.46	±9.6
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.21	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10184	CAF	LTE-FDD (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)	LTE-FDD	6.51	±9.6
10186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	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 Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
10194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
10195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
10196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK) IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.10	±9.6
10197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN WLAN	8.13	±9.6
10198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27 8.03	±9.6 ±9.6
10219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BFSK)	WLAN	8.13	±9.6
10221	CAD	IEEE 802.11n (HT Mixed, 45.3 Mbps, 16-QAM)	WLAN	8.27	±9.6
10222	CAD	IEEE 802.11n (HT Mixed, 72.2Mbps, 64-QAW)	WLAN	8.06	±9.6
10223	CAD	IEEE 802.11n (HT Mixed, 15 Mipps, Br Grt/)	WLAN	8.48	±9.6
10224	CAD	IEEE 802.11n (HT Mixed, 30 Mbps, 10-QAM)	WLAN	8.08	±9.6
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10225 CAC MITS-EDD (1987H-) WCDMA 597 92.6 10226 CAC LTE-TDD (1987H-) 19.6 19.6 10227 CAC LTE-TDD (1987H-) 19.6 19.6 10228 CAC LTE-TDD (1987H-) 19.1 19.6 19.6 10228 CAC LTE-TDD (1987H-) 19.1 19.2 19.6 10228 CAC LTE-TDD (1987H-) 19.1 19.1 19.2 19.6 10228 CAC LTE-TDD (1987H-) 19.1 19.1 19.2 19.6 10229 CAE LTE-TDD (1987H-) 18.1 19.1 19.1 19.1 19.1 19.1 19.1 19.1 10230 CAE LTE-TDD (1987H-) 18.1 19.1 1	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
1922 CAC LTE-TDG (SC-PDMA, 1 RB, 1 AMPL, 64-CAM)						±9.6
19228 AC INT-TID (SC-FDMA, 1 RB, 3 I-MHz, 1 GOAM)	10226	CAC		LTE-TDD	9.49	±9.6
1922 CAS. LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-OAM)						±9.6
10291 CAR LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-OAM) LTE-TDD 10.25 29.6					9.22	±9.6
10231 CAR LTE-TDD (SC-PEMA, 1 RB, 3 MHz, 1-6-0AM) LTE-TDD 9.19 29.6 10232 CAR LTE-TDD (SC-PEMA, 1 RB, 5 MHz, 1-6-0AM) LTE-TDD 10.25 29.6 10233 CAR LTE-TDD (SC-PEMA, 1 RB, 5 MHz, 1-6-0AM) LTE-TDD 10.25 29.6 10234 CAR LTE-TDD (SC-PEMA, 1 RB, 6 MHz, 1-6-0AM) LTE-TDD 9.48 29.6 10235 CAR LTE-TDD (SC-PEMA, 1 RB, 1 MHz, 1-6-0AM) LTE-TDD 9.48 29.6 10236 CAR LTE-TDD (SC-PEMA, 1 RB, 1 MHz, 1-6-0AM) LTE-TDD 9.48 29.6 10237 CAR LTE-TDD (SC-PEMA, 1 RB, 1 MHz, 1-6-0AM) LTE-TDD 9.21 29.6 10238 CAR LTE-TDD (SC-PEMA, 1 RB, 1 MHz, 1-6-0AM) LTE-TDD 9.21 29.6 10238 CAR LTE-TDD (SC-PEMA, 1 RB, 1 MHz, 1-6-0AM) LTE-TDD 9.21 29.6 10238 CAR LTE-TDD (SC-PEMA, 1 RB, 1 MHz, 1-6-0AM) LTE-TDD 10.25 29.6 10249 CAR LTE-TDD (SC-PEMA, 1 RB, 1 MHz, 1-6-0AM) LTE-TDD 10.25 29.6 10240 CAR LTE-TDD (SC-PEMA, 1 RB, 1 MHz, 1-6-0AM) LTE-TDD 10.25 29.6 10241 CAR LTE-TDD (SC-PEMA, 1 RB, 1 MHz, 1-6-0AM) LTE-TDD 9.82 29.6 10242 CAR LTE-TDD (SC-PEMA, 50% RB, 1 AMHz, 1-6-0AM) LTE-TDD 9.82 29.6 10243 CAR LTE-TDD (SC-PEMA, 50% RB, 1 AMHz, 1-6-0AM) LTE-TDD 9.46 29.6 10244 CAR LTE-TDD (SC-PEMA, 50% RB, 1 AMHz, 1-6-0AM) LTE-TDD 9.46 29.6 10245 CAR LTE-TDD (SC-PEMA, 50% RB, 1 MHz, 1-6-0AM) LTE-TDD 10.06 29.6 10245 CAR LTE-TDD (SC-PEMA, 50% RB, 5 MHz, 6-0AM) LTE-TDD 10.06 29.6 10246 CAR LTE-TDD (SC-PEMA, 50% RB, 5 MHz, 6-0AM) LTE-TDD 10.06 29.6 10247 CAR LTE-TDD (SC-PEMA, 50% RB, 5 MHz, 6-0AM) LTE-TDD 9.91 29.6 10248 CAR LTE-TDD (SC-PEMA, 50% RB, 5 MHz, 6-0AM) LTE-TDD 9.91 29.6 10249 CAR LTE-TDD (SC-PEMA, 50% RB, 5 MHz, 6-0AM) LTE-TDD 9.91 29.6 10249 CAR LTE-TDD (SC-PEMA, 50% RB, 5 MHz, 6-0AM) LTE-TDD 9.91 29.6 10249 CAR LTE-TDD (SC-PEMA, 50% RB, 5 MHz, 6-0AM) LTE-TDD 9.91 29.6 10249 CAR LTE-TDD (SC-PEMA, 50% RB, 5 MHz, 6-0AM) LTE-TDD 9.91 29.6 10250 CAR LTE-TDD (SC-P	10229	CAE		LTE-TDD	9.48	±9.6
19225 CAH LTE-TDD (SC-PEMA 1 RB. SMHz, 16-OAM)	10230	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
19235 CAH LTE-TDD (SC-PDMA, 1 RB, SMHz, 6+CAM)					9.19	±9.6
10236 CAH LTE-TDD (SC-FDMA, 1 RB, 5MHz, G-PSK) LTE-TDD 9.21 ±9.6 10236 CAH LTE-TDD (SC-FDMA, 1 RB, 10MHz, 64-QAM) LTE-TDD 10.25 ±9.6 10237 CAH LTE-TDD (SC-FDMA, 1 RB, 10MHz, 64-QAM) LTE-TDD 9.48 ±9.6 10238 CAG LTE-TDD (SC-FDMA, 1 RB, 15MHz, 1.69K) LTE-TDD 9.48 ±9.6 10238 CAG LTE-TDD (SC-FDMA, 1 RB, 15MHz, 1.69K) LTE-TDD 9.48 ±9.6 10239 CAG LTE-TDD (SC-FDMA, 1 RB, 15MHz, 1.69K) LTE-TDD 9.21 ±9.6 10240 CAG LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM) LTE-TDD 9.21 ±9.6 10241 CAC LTE-TDD (SC-FDMA, 50 RB, 1 MHz, 16-CAM) LTE-TDD 9.21 ±9.6 10242 CAC LTE-TDD (SC-FDMA, 50 RB, 1 MHz, 16-CAM) LTE-TDD 9.82 ±9.6 10243 CAC LTE-TDD (SC-FDMA, 50 RB, 1 MHz, 16-CAM) LTE-TDD 9.48 ±9.6 10244 CAC LTE-TDD (SC-FDMA, 50 RB, 1 MHz, 16-CAM) LTE-TDD 9.49 ±9.6 10245 CAC LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 16-CAM) LTE-TDD 9.40 ±9.6 10246 CAC LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 16-CAM) LTE-TDD 9.40 ±9.6 10246 CAE LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 16-CAM) LTE-TDD 10.06 ±9.6 10247 CAH LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 16-CAM) LTE-TDD 10.06 ±9.6 10248 CAE LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 16-CAM) LTE-TDD 9.30 ±9.6 10249 CAH LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 16-CAM) LTE-TDD 9.30 ±9.6 10259 CAH LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 16-CAM) LTE-TDD 9.30 ±9.6 10259 CAH LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 6 PC-CAM) LTE-TDD 9.9 ±9.6 10250 CAH LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 6 PC-CAM) LTE-TDD 9.9 ±9.6 10250 CAH LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 6 PC-CAM) LTE-TDD 9.9 ±9.6 10250 CAH LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 6 PC-CAM) LTE-TDD 9.9 ±9.6 10250 CAE LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 6 PC-CAM) LTE-TDD 9.9 ±9.6 10250 CAE LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 6 PC-CAM) LTE-TDD 9.9 ±9.6 10250 CAE LTE-TDD (SC-FDMA, 50 RB, 8 MHz, 6 PC-CAM) LTE-TDD 9.9 ±9.6		CAH		LTE-TDD	9.48	±9.6
10258 CAH LTE-TIDG SC-FDMA, 1 RB, 10MHz, 16-CAM) LTE-TIDD 9.48 ±9.6 10263 CAH LTE-TIDG SC-FDMA, 1 RB, 10MHz, 64-CAM) LTE-TIDD 9.21 ±9.6 10263 CAG LTE-TIDG SC-FDMA, 1 RB, 10MHz, 64-CAM) LTE-TIDD 9.21 ±9.6 10283 CAG LTE-TIDG SC-FDMA, 1 RB, 15MHz, 64-CAM) LTE-TIDD 10.25 ±9.6 10284 CAG LTE-TIDG SC-FDMA, 1 RB, 15MHz, 64-CAM) LTE-TIDD 9.21 ±9.6 10284 CAG LTE-TIDG SC-FDMA, 1 RB, 15MHz, 64-CAM) LTE-TIDD 9.82 ±9.6 10284 CAG LTE-TIDG SC-FDMA, 1 RB, 15MHz, 69-SW, LTE-TIDD 9.82 ±9.6 10284 CAG LTE-TIDG SC-FDMA, 50% RB, 14MHz, 64-CAM) LTE-TIDD 9.82 ±9.6 10284 CAG LTE-TIDG SC-FDMA, 50% RB, 14MHz, 64-CAM) LTE-TIDD 9.82 ±9.6 10284 CAG LTE-TIDG SC-FDMA, 50% RB, 14MHz, 64-CAM) LTE-TIDD 9.82 ±9.6 10284 CAG LTE-TIDG SC-FDMA, 50% RB, 14MHz, 64-CAM) LTE-TIDD 9.82 ±9.6 10285 CAG LTE-TIDG SC-FDMA, 50% RB, 81MHz, 16-CAM) LTE-TIDD 9.84 ±9.6 10284 CAG LTE-TIDG SC-FDMA, 50% RB, 81MHz, 16-CAM) LTE-TIDD 9.84 ±9.6 10285 CAG LTE-TIDG SC-FDMA, 50% RB, 81MHz, 16-CAM) LTE-TIDD 10.06 ±9.5 10286 CAG LTE-TIDG SC-FDMA, 50% RB, 81MHz, 16-CAM) LTE-TIDD 10.06 ±9.5 10287 CAH LTE-TIDG SC-FDMA, 50% RB, 81MHz, 20-SW) LTE-TIDD 10.06 ±9.5 10286 CAG LTE-TIDG SC-FDMA, 50% RB, 81MHz, 20-SW) LTE-TIDD 10.06 ±9.5 10286 CAG LTE-TIDG SC-FDMA, 50% RB, 81MHz, 20-SW) LTE-TIDD 9.91 ±9.6 10287 CAH LTE-TIDG SC-FDMA, 50% RB, 81MHz, 20-SW) LTE-TIDD 9.91 ±9.6 10289 CAH LTE-TIDG SC-FDMA, 50% RB, 81MHz, 20-SW) LTE-TIDD 9.91 ±9.6 10280 CAH LTE-TIDG SC-FDMA, 50% RB, 81MHz, 20-SW) LTE-TIDD 9.92 ±9.6 10280 CAH LTE-TIDG SC-FDMA, 50% RB, 81MHz, 20-SW) LTE-TIDD 9.20 ±9.6 10280 CAH LTE-TIDG SC-FDMA, 50% RB, 81MHz, 20-SW) LTE-TIDD 9.20 ±9.6 10280 CAG LTE-TIDG SC-FDMA, 50% RB, 81MHz, 60-CAM) LTE-TIDD 9.80 ±9.6 10280 CAG LTE-TIDG SC-FDMA, 50% RB, 81MHz, 60-CAM) LTE-TIDD 9.80 ±9.6 10280 CAG	10233	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	10.25	±9.6
10256 CAH LTE-TDD (SC-FDMA, 1 RB, 10MHz, 64-CAM) LTE-TDD 10.25 19.6 10238 CAG LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-CAM) LTE-TDD 9.48 19.6 10239 CAG LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-CAM) LTE-TDD 9.48 19.6 10240 CAG LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-CAM) LTE-TDD 9.21 19.6 10241 CAC LTE-TDD (SC-FDMA, 50'R, RB, 15MHz, 0-FSK) LTE-TDD 9.21 19.6 10242 CAC LTE-TDD (SC-FDMA, 50'R, RB, 15MHz, 0-FSK) LTE-TDD 9.21 19.6 10243 CAC LTE-TDD (SC-FDMA, 50'R, RB, 15MHz, 0-FSK) LTE-TDD 9.88 19.5 10245 CAC LTE-TDD (SC-FDMA, 50'R, RB, 14MHz, 0-FSK) LTE-TDD 9.88 19.5 10246 CAC LTE-TDD (SC-FDMA, 50'R, RB, 14MHz, 0-FSK) LTE-TDD 9.88 19.5 10247 CAC LTE-TDD (SC-FDMA, 50'R, RB, 14MHz, 0-FSK) LTE-TDD 10.06 29.6 10248 CAC LTE-TDD (SC-FDMA, 50'R, RB, 34MHz, 10-FSM) LTE-TDD 10.06 29.6 10249 CAC LTE-TDD (SC-FDMA, 50'R, RB, 34MHz, 10-FSM) LTE-TDD 10.06 29.6 10246 CAE LTE-TDD (SC-FDMA, 50'R, RB, 34MHz, 10-FSM) LTE-TDD 10.06 29.6 10247 CAH LTE-TDD (SC-FDMA, 50'R, RB, 34MHz, 10-FSM) LTE-TDD 10.06 29.6 10248 CAE LTE-TDD (SC-FDMA, 50'R, RB, 54MHz, 10-CAM) LTE-TDD 5.31 29.6 10249 CAH LTE-TDD (SC-FDMA, 50'R, RB, 54MHz, 10-CAM) LTE-TDD 5.31 29.6 10240 CAH LTE-TDD (SC-FDMA, 50'R, RB, 54MHz, 10-CAM) LTE-TDD 5.9 29.6 10240 CAH LTE-TDD (SC-FDMA, 50'R, RB, 54MHz, 10-CAM) LTE-TDD 5.9 29.6 10250 CAH LTE-TDD (SC-FDMA, 50'R, RB, 54MHz, 10-CAM) LTE-TDD 5.9 29.6 10250 CAH LTE-TDD (SC-FDMA, 50'R, RB, 15MHz, 10-CAM) LTE-TDD 5.9 29.6 10250 CAH LTE-TDD (SC-FDMA, 50'R, RB, 15MHz, 10-CAM) LTE-TDD 5.9 29.6 10250 CAH LTE-TDD (SC-FDMA, 50'R, RB, 15MHz, 10-CAM) LTE-TDD 5.9 29.6 10250 CAH LTE-TDD (SC-FDMA, 50'R, RB, 15MHz, 10-CAM) LTE-TDD 5.9 29.6 10250 CAH LTE-TDD (SC-FDMA, 50'R, RB, 15MHz, 10-CAM) LTE-TDD 5.9 29.6 10250 CAE LTE-TDD (SC-FD						±9.6
10237 CAH LTF-TDD SC-FDMA 1 RB, 15MHz, 16-QAM) LTF-TDD 9.21 19.6						±9.6
10288 CAG LTF-TDD (SC-FDMA, 1 RB, 15MHz, 16-CAM) LTF-TDD 9.48 9.58 10280 CAG LTF-TDD (SC-FDMA, 1 RB, 15MHz, CPSK) LTF-TDD 9.21 19.6 10281 CAG LTF-TDD (SC-FDMA, 50 RB, 15 MHz, CPSK) LTF-TDD 9.21 19.6 10282 CAG LTF-TDD (SC-FDMA, 50 RB, 15 MHz, CPSK) LTF-TDD 9.82 19.6 10283 CAG LTF-TDD (SC-FDMA, 50 RB, 14 MHz, 16-CAM) LTF-TDD 9.88 19.5 10284 CAG LTF-TDD (SC-FDMA, 50 RB, 14 MHz, 16-CAM) LTF-TDD 9.88 19.5 10284 CAG LTF-TDD (SC-FDMA, 50 RB, 14 MHz, 16-CAM) LTF-TDD 10.06 2.95 10285 CAE LTF-TDD (SC-FDMA, 50 RB, 14 MHz, 16-CAM) LTF-TDD 10.06 2.95 10285 CAE LTF-TDD (SC-FDMA, 50 RB, 30 MHz, 16-CAM) LTF-TDD 10.06 2.95 10285 CAE LTF-TDD (SC-FDMA, 50 RB, 30 MHz, 16-CAM) LTF-TDD 10.06 2.95 10286 CAE LTF-TDD (SC-FDMA, 50 RB, 30 MHz, 16-CAM) LTF-TDD 10.06 2.95 10287 CAH LTF-TDD (SC-FDMA, 50 RB, 30 MHz, 16-CAM) LTF-TDD 10.06 2.95 10287 CAH LTF-TDD (SC-FDMA, 50 RB, 30 MHz, 16-CAM) LTF-TDD 10.08 2.96 10288 CAE LTF-TDD (SC-FDMA, 50 RB, 50 MHz, 16-CAM) LTF-TDD 10.08 2.96 10289 CAH LTF-TDD (SC-FDMA, 50 RB, 50 MHz, 16-CAM) LTF-TDD 10.08 2.96 10285 CAH LTF-TDD (SC-FDMA, 50 RB, 50 MHz, 16-CAM) LTF-TDD 5.81 2.98 10255 CAH LTF-TDD (SC-FDMA, 50 RB, 10 MHz, 16-CAM) LTF-TDD 10.17 2.98 10255 CAH LTF-TDD (SC-FDMA, 50 RB, 10 MHz, 16-CAM) LTF-TDD 10.17 2.98 10255 CAH LTF-TDD (SC-FDMA, 50 RB, 10 MHz, 16-CAM) LTF-TDD 9.90 2.96 10255 CAG LTF-TDD (SC-FDMA, 50 RB, 15 MHz, 16-CAM) LTF-TDD 9.90 2.96 10255 CAG LTF-TDD (SC-FDMA, 50 RB, 15 MHz, 16-CAM) LTF-TDD 9.20 2.96 10256 CAC LTF-TDD (SC-FDMA, 50 RB, 15 MHz, 16-CAM) LTF-TDD 9.20 2.96 10256 CAC LTF-TDD (SC-FDMA, 50 RB, 15 MHz, 16-CAM) LTF-TDD 9.20 2.96 10256 CAC LTF-TDD (SC-FDMA, 10 RB, 15 MHz, 16-CAM) LTF-TDD 9.90 2.96 10256 CAC LTF-TDD (SC-FDMA, 10 RB, 15 MHz, 16-C						±9.6
10280 CAG LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-OAM) LTE-TDD 9.21 9.6						
10241 CAG						
10242 CAC						±9.6
10242 CAC LTE-TDD (SC-PDMA, 50% RB, 14 MHz, 6-CAM)						
10242 CAC LTE-TID (SC-FDMA, 50% RB, 1.4MHz, 0.PSK) LTE-TID D 9.46 9.9.6 10245 CAE LTE-TID (SC-FDMA, 50% RB, 3 MHz, 18-CAM) LTE-TID D 10.06 19.8 10245 CAE LTE-TID (SC-FDMA, 50% RB, 3 MHz, 18-CAM) LTE-TID D 10.08 19.6 10246 CAE LTE-TID (SC-FDMA, 50% RB, 3 MHz, 18-CAM) LTE-TID D 9.91 19.6 10247 CAH LTE-TID (SC-FDMA, 50% RB, 5 MHz, 64-CAM) LTE-TID D 9.91 19.6 10247 CAH LTE-TID (SC-FDMA, 50% RB, 5 MHz, 0.4CAM) LTE-TID D 9.91 19.6 10249 CAH LTE-TID (SC-FDMA, 50% RB, 5 MHz, 0.4CAM) LTE-TID D 9.91 19.6 10.99 10.99 19.6 10.99 19.6 10.99 19.6 10.99 19.6 10.99 19.6 10.99 10.90 10.99 10.90 10.99 10.90 10.99 10.90						
10246 CAE LTE-TID (SC-FDMA, 50% RB, 3MHz, 16-QAM)						
10246 CAE LTE-TID (SC-FDMA, 50% RB, 3MHz, 64-CAM)					9.46	±9.6
10246 CAE LITE-TDD (SC-FDMA, 50% RB, 3MHz, 6-OAM) LITE-TDD 9.90 19.6 10247 CAH LITE-TDD (SC-FDMA, 50% RB, 5MHz, 16-OAM) LITE-TDD 10.09 19.6 10248 CAH LITE-TDD (SC-FDMA, 50% RB, 5MHz, 6-OAM) LITE-TDD 10.09 19.6 10249 CAH LITE-TDD (SC-FDMA, 50% RB, 5MHz, 6-OAM) LITE-TDD 10.10 19.9 10250 CAH LITE-TDD (SC-FDMA, 50% RB, 5MHz, 6-OAM) LITE-TDD 10.17 19.8 10251 CAH LITE-TDD (SC-FDMA, 50% RB, 10MHz, 6-OAM) LITE-TDD 10.17 19.8 10252 CAH LITE-TDD (SC-FDMA, 50% RB, 10MHz, 6-OAM) LITE-TDD 10.17 19.8 10252 CAH LITE-TDD (SC-FDMA, 50% RB, 10MHz, 6-OAM) LITE-TDD 10.17 19.8 10252 CAG LITE-TDD (SC-FDMA, 50% RB, 15MHz, 6-OAM) LITE-TDD 10.17 19.8 10255 CAG LITE-TDD (SC-FDMA, 50% RB, 15MHz, 6-OAM) LITE-TDD 10.14 19.6 10255 CAG LITE-TDD (SC-FDMA, 50% RB, 15MHz, 6-OAM) LITE-TDD 10.14 19.6 10256 CAC LITE-TDD (SC-FDMA, 50% RB, 15MHz, 6-OAM) LITE-TDD 10.14 19.6 10257 CAC LITE-TDD (SC-FDMA, 100% RB, 1-14MHz, 16-OAM) LITE-TDD 9.96 19.6 10258 CAC LITE-TDD (SC-FDMA, 100% RB, 1-14MHz, 16-OAM) LITE-TDD 10.08 19.6 10259 CAC LITE-TDD (SC-FDMA, 100% RB, 1-14MHz, 16-OAM) LITE-TDD 10.08 19.6 10259 CAC LITE-TDD (SC-FDMA, 100% RB, 1-14MHz, 16-OAM) LITE-TDD 10.14 19.6 10259 CAC LITE-TDD (SC-FDMA, 100% RB, 1-14MHz, 6-OAM) LITE-TDD 10.16 19.6 10259 CAC LITE-TDD (SC-FDMA, 100% RB, 3MHz, 6-OAM) LITE-TDD 9.97 19.6 10260 CAE LITE-TDD (SC-FDMA, 100% RB, 3MHz, 6-OAM) LITE-TDD 9.97 19.6 10261 CAE LITE-TDD (SC-FDMA, 100% RB, 5MHz, 6-OAM) LITE-TDD 9.92 19.6 10262 CAH LITE-TDD (SC-FDMA, 100% RB, 5MHz, 6-OAM) LITE-TDD 9.22 19.6 10263 CAH LITE-TDD (SC-FDMA, 100% RB, 5MHz, 6-OAM) LITE-TDD 9.92 19.6 10264 CAH LITE-TDD (SC-FDMA, 100% RB, 5MHz, 6-OAM) LITE-TDD 9.92 19.6 10265 CAH LITE-TDD (SC-FDMA, 100% RB, 5MHz, 6-OAM) LITE-TDD 9.93 19.6						±9.6
10247 CAH						±9.6
10248 CAH LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-CAM) LTE-TDD 10.09 ±9.6						
10250						±9.6
10250 CAH LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM) LTE-TDD 9.81 9.6						
10251						
10252 CAH				LTE-TDD	9.81	±9.6
10253 CAG						±9.6
10254 CAG						±9.6
10255 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK) LTE-TDD 9.20 49.6 10256 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 10.08 49.6 10257 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 10.08 49.6 10258 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM) LTE-TDD 9.34 49.8 10258 CAC LTE-TDD (SC-FDMA, 100% RB, 3.1 MHz, 64-QAM) LTE-TDD 9.34 49.6 10256 CAC LTE-TDD (SC-FDMA, 100% RB, 3.1 MHz, 64-QAM) LTE-TDD 9.39 49.6 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 3.1 MHz, 64-QAM) LTE-TDD 9.37 49.6 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 3.1 MHz, 2.0 MM) LTE-TDD 9.24 49.6 10262 CAE LTE-TDD (SC-FDMA, 100% RB, 3.1 MHz, 2.0 MM) LTE-TDD 9.23 49.6 10262 CAE LTE-TDD (SC-FDMA, 100% RB, 5.0 MHz, 16-QAM) LTE-TDD 9.23 49.6 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5.0 MHz, 64-QAM) LTE-TDD 9.24 49.6 10264 CAH LTE-TDD (SC-FDMA, 100% RB, 5.0 MHz, 64-QAM) LTE-TDD 10.16 49.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.23 49.6 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 9.29 49.6 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM) LTE-TDD 9.29 49.6 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 2.0 MMz, 2				LTE-TDD	9.90	±9.6
10256 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM) LTE-TDD 9.96 ±9.6 10257 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QFSK) LTE-TDD 9.34 ±9.6 10258 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QFSK) LTE-TDD 9.34 ±9.6 10259 CAC LTE-TDD (SC-FDMA, 100% RB, 3.4 MHz, QFSK) LTE-TDD 9.98 ±9.6 10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3.8 MHz, QFSK) LTE-TDD 9.97 ±9.6 10261 CAE LTE-TDD SC-FDMA, 100% RB, 3.8 MHz, QFSK) LTE-TDD 9.24 ±9.6 10262 CAH LTE-TDD SC-FDMA, 100% RB, 3.8 MHz, QFSK) LTE-TDD 9.24 ±9.6 10262 CAH LTE-TDD SC-FDMA, 100% RB, 5.8 MHz, QFSK) LTE-TDD 9.24 ±9.6 10263 CAH LTE-TDD SC-FDMA, 100% RB, 5.8 MHz, QFSK) LTE-TDD 9.23 ±9.6 10265 CAH LTE-TDD SC-FDMA, 100% RB, 5.8 MHz, QFSK) LTE-TDD 9.23 ±9.6 10265 CAH LTE-TDD SC-FDMA, 100% RB, 5.8 MHz, QFSK) LTE-TDD 9.23 ±9.6 10265 CAH LTE-TDD SC-FDMA, 100% RB, 5.8 MHz, QFSK) LTE-TDD 9.92 ±9.6 10266 CAH LTE-TDD SC-FDMA, 100% RB, 10MHz, 64-QAM) LTE-TDD 10.07 ±9.6 10266 CAH LTE-TDD SC-FDMA, 100% RB, 10MHz, 64-QAM) LTE-TDD 10.07 ±9.6 10266 CAH LTE-TDD SC-FDMA, 100% RB, 10MHz, 64-QAM) LTE-TDD 10.06 ±9.6 10266 CAH LTE-TDD SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD 10.06 ±9.6 10266 LTE-TDD SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD 10.16 ±9.6 LTE-TDD SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD 10.16 ±9.6 LTE-TDD SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD 10.16 ±9.6 LTE-TDD SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD 10.16 ±9.6 LTE-TDD SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD 10.16 ±9.6 LTE-TDD SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD 10.16 ±9.6 LTE-TDD SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD 10.16 ±9.6 LTE-TDD SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD 10.17 ±9.6 LTE-TDD SC-FDMA, 100% RB, 15MHz, 64-QAM) LTE-TDD SC-FDMA, 500% RB, 5MHz, 64-QAM) LTE-TDD SC-FDMA, 500% RB, 5MHz, 64-QAM, 9LS-C						±9.6
10257 CAC LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-OAM)						±9.6
10255 CAC LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 6-QAM) LTE-TDD 9.94 ±9.6				LTE-TDD	9.96	±9.6
10259 CAE				LTE-TDD	10.08	
10260 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM) LTE-TDD 9.97 4.9.6 10261 CAE LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK) LTE-TDD 9.24 4.9.6 10262 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM) LTE-TDD 9.28 4.9.6 10263 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 10.16 4.9.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM) LTE-TDD 9.23 4.9.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.23 4.9.6 10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.22 4.9.6 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 4.9.6 10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 10.07 4.9.6 10267 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.30 4.9.6 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.06 4.9.6 10268 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.06 4.9.6 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 10.13 4.9.6 10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM) LTE-TDD 9.58 4.9.6 10271 CAG LMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 4.9.6 10272 CAA HS (QFSK) WCDMA 4.87 4.9.6 10275 CAA PHS (QFSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 4.9.6 10279 CAA PHS (QFSK, BW 884 MHz, Rolloff 0.38) PHS 11.81 4.9.6 10279 CAA PHS (QFSK, BW 884 MHz, Rolloff 0.38) PHS 11.81 4.9.6 10292 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 4.9.6 10293 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.91 4.9.6 10293 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.90 4.9.6 10293 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.90 4.9.6 10293 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.90 4.9.6 10293 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.90 4.9.6 10293 AAB CDMA2000, RC3, SO55, Full Rate SOMA2000 10249 4.9.6 10293 AAB LTE-FDD (SC-FDMA, 50% RB, 3MHz, QFSK) LTE-				LTE-TDD	9.34	±9.6
10261 CAE	10259	CAE	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-TDD	9.98	±9.6
10262 CAH				LTE-TDD	9.97	±9.6
10263 CAH				LTE-TDD	9.24	±9.6
10264 CAH				LTE-TDD	9.83	
10265 CAH LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM) LTE-TDD 9.92 ±9.6		_		LTE-TDD	10.16	±9.6
10266 CAH LTE-TDD (SC-FDMA, 100% RB, 10MHz, 64-QAM) LTE-TDD 10.07 ±9.6						
10267 CAH						±9.6
10268 CAG	10266	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	±9.6
10269 CAG	10267	CAH	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	±9.6
10270 CAG LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK) LTE-TDD 9.58 ±9.6 10274 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10) WCDMA 4.87 ±9.6 10275 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4) WCDMA 3.96 ±9.6 10277 CAA PHS (QPSK, Subtest 5, 3GPP Rel8.4) PHS 11.81 ±9.6 10278 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ±9.6 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ±9.6 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ±9.6 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ±9.6 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.46 ±9.6 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10294 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10296 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10297 AAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.72 ±9.6 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-FDD 6.39 ±9.6 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK) LTE-FDD 6.80 ±9.6 10300 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, GPSK, PUSC) WIMAX 12.03 ±9.6 10301 AAA LEEE 802.16e WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC) WIMAX 12.57 ±9.6 10303 AAA LEEE 802.16e WIMAX (29:18, 5ms, 10 MHz, GPSK, PUSC) WIMAX 12.57 ±9.6 10304 AAA LEEE 802.16e WIMAX (29:18, 5ms, 10 MHz, GPSK, PUSC) WIMAX 12.57 ±9.6 10305 AAA LEEE 802.16e WIMAX (29:18, 5ms, 10 MHz, GAQAM, PUSC) WIMAX 12.52 ±9.6 10305 AAA LEEE 802.16e WIMAX (29:18, 5ms, 10 MHz, GAQAM, PUSC) WIMAX 12.54 ±9.6 10305 AAA LEEE 802.16e WIMAX (31:15, 10ms, 10 MHz, GAQAM, PUSC) WIMAX 15.24 ±9.6 10306 AAA LEEE 802.16e WIMAX (31:15, 10ms, 10 MHz, GAQAM, PUSC) WIMAX 15.24 ±9.6 10307 AAA LEEE 802.16e WIMAX (31:15, 10ms, 10 MHz, GAQAM, PUSC) WIMA				LTE-TDD	10.06	±9.6
10274 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)				LTE-TDD	10.13	±9.6
10275 CAC UMTS-FDD (HSUPA, Subtest 5, 3GPP Rei8.4)						±9.6
10277 CAA						±9.6
10278 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.5) PHS 11.81 ±9.6 10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 12.18 ±9.6 10290 AAB CDMA2000, RC1, SO55, Full Rate CDMA2000 3.91 ±9.6 10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ±9.6 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ±9.6 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10295 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 12.49 ±9.6 10297 AAE LTE-FDD (SC-FDMA, 50% RB, 20MHz, QPSK) LTE-FDD 5.81 ±9.6 10298 AAE						±9.6
10279 CAA PHS (QPSK, BW 884 MHz, Rolloff 0.38) PHS 12.18 ±9.6					11.81	±9.6
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10291 AAB CDMA2000, RC3, SO55, Full Rate CDMA2000 3.46 ±9.6 10292 AAB CDMA2000, RC3, SO32, Full Rate CDMA2000 3.39 ±9.6 10293 AAB CDMA2000, RC3, SO3, Full Rate CDMA2000 3.50 ±9.6 10293 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ±9.6 10297 AAE LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK) LTE-FDD 5.81 ±9.6 10298 AAE LTE-FDD (SC-FDMA, 50% RB, 3MHz, QPSK) LTE-FDD 5.72 ±9.6 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3MHz, G-QAM) LTE-FDD 6.39 ±9.6 10300 AAE LTE-FDD (SC-FDMA, 50% RB, 3MHz, G-QAM) LTE-FDD 6.60 ±9.6 10301 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WiMAX 12.03 ±9.6 10302 AAA IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 12.57 ±9.6 10303 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>						
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10295 AAB CDMA2000, RC1, SO3, 1/8th Rate 25 fr. CDMA2000 12.49 ±9.6 10297 AAE LTE-FDD (SC-FDMA, 50% RB, 20MHz, QPSK) LTE-FDD 5.81 ±9.6 10298 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK) LTE-FDD 5.72 ±9.6 10299 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM) LTE-FDD 6.39 ±9.6 10300 AAE LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM) LTE-FDD 6.60 ±9.6 10301 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC) WiMAX 12.03 ±9.6 10302 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 12.57 ±9.6 10303 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 12.52 ±9.6 10305 AAA IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ±9.6 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ±9.6						
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10302 AAA IEEE 802.16e WiMAX (29:18, 5ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols) WiMAX 12.57 ±9.6 10303 AAA IEEE 802.16e WiMAX (31:15, 5ms, 10 MHz, 64QAM, PUSC) WiMAX 12.52 ±9.6 10304 AAA IEEE 802.16e WiMAX (29:18, 5ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ±9.6 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ±9.6				LTE-FDD	6.60	±9.6
10303 AAA IEEE 802.16e WiMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 12.52 ±9.6 10304 AAA IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC) WiMAX 11.86 ±9.6 10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ±9.6						
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10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ±9.6	10303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	12.52	±9.6
10305 AAA IEEE 802.16e WiMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols) WiMAX 15.24 ±9.6	10304	AAA	IEEE 802.16e WiMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WiMAX	11.86	±9.6
10306 AAA IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols) WIMAX 14.67 +9.6					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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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
10307	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, PUSC, 18 symbols)	WiMAX	14.49	±9.6
10308	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10309	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WiMAX	14.58	±9.6
10310	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.57	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	±9.6
10313	AAA	IDEN 1:3	IDEN	10.51	±9.6
10314	AAA	IDEN 1:6	iDEN	13.48	±9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10317	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10353	AAA	Pulse Waveform (200Hz, 20%)	Generic	6.99	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	3.98	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	2.22	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	0.97	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	±9.6
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	±9.6
10400	AAE	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	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	3.76	±9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
10406	AAB	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
10410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 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 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preambule)	WLAN	8.19	±9.6
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	±9.6
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10433	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10447	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
10445	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10450	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
10453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
10456	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
10456	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10457	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers) CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	CDMA2000	8.25	±9.6
10459	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10461	AAC	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
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TDD	8.56	±9.6
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	
	AAG		LTE-TDD	7.82	±9.6
10467		LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)			±9.6
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
10469	AAG	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
10470		LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10471	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 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-TDD	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
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 Subframe=2,3,4,7,8,9)	LTE-TDD	8.39	±9.6
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	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-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (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, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8,54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL 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 Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
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
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10502	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10503	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
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	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
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10510	AAF	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-TOD	7.74	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20MHz, QFSR, 0L Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10514	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
			WLAN	1.57	
10516	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)			±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN WLAN	1.58	±9.6
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23 8.39	±9.6
10519	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)			±9.6
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	7.97	±9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10527	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10531	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 99pc 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 (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	±9.6
10536	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
	1.40	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
10537	AAC				1 20.0
	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN WLAN	8.54	±9.6

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ŲID	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, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
10545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
10546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±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, MCS6, 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)	WLAN	8.42	±9.6
10553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
10554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
10555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
10556	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
10557	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
10558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
10560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
10561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±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 802.11g 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	8.13	±9.6
10567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
10568	AAA	IEEE 802.11g WiFi 2.4 GHz (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, 99pc duty cycle)	WLAN	8.10	±9.6
10570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
10571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
10573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10578	AAA	IEEE 802.11g 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	±9.6
10580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
10581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
10582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
10583	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
10585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
10586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
10587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
10588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 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	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	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, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10593	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
10594	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 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	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
10603	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
10606	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10607	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
10608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

ACC REER 802.11 tas WIFF (20 MHz, MCSS, 90pc day yeyle)	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
1981 AAC EEE 80.21 fac Wiff (20 MHz, MCSS, 30pc day yoyle) W.ANN 8.77 9.9.6	10609			·		
10611 ACC IEEE 80.21 Tale WIFF (20 MHz, MCSS, 90pc duty cycle) W.A.N. 8.77 9.56		_				
10512 ACC EEES 80.11 faw Wiff (20 MHz, MCSS, 90pc duty cycle)				WLAN		4
106161 AAC EEE 80.211 tas WHF (20 MHz, MCSP, 90pc duty cycle) WLAN 8.94 £9.6 £9.6 10616 AAC EEE 80.21 tas WHF (20 MHz, MCSP, 90pc duty cycle) WLAN 8.82 £9.6 10616 AAC EEE 80.21 tas WHF (20 MHz, MCSP, 90pc duty cycle) WLAN 8.82 £9.6 10617 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.81 £9.6 10617 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.81 £9.6 10618 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.81 £9.6 10618 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.87 £9.6 10619 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.87 £9.6 10620 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.87 £9.6 10620 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.87 £9.6 10620 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.87 £9.6 10622 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.82 £9.6 10622 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.82 £9.6 10622 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.82 £9.6 10622 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.82 £9.6 10622 AAC EEE 80.21 tas WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.82 £9.6 10625 AAC EEE 80.21 tas WHF (60 MHz, MCSP, 90pc duty cycle) WLAN 8.82 £9.6 10625 AAC EEE 80.21 tas WHF (60 MHz, MCSP, 90pc duty cycle) WLAN 8.80 £9.6 10625 AAC EEE 80.21 tas WHF (60 MHz, MCSP, 90pc duty cycle) WLAN 8.80 £9.6 10628 AAC EEE 80.21 tas WHF (60 MHz, MCSP, 90pc duty cycle) WLAN 8.81 £9.6 10628 AAC EEE 80.21 tas WHF (60 MHz, MCSP, 90pc duty cycle) WLAN 8.81 £9.6 10628 AAC EEE 80.21 tas WHF (60 MHz, MCSP, 90pc duty cycle) WLAN 8.81 £9.6 10628 AAC EEE 80.21 tas WHF (60 MHz, MCSP, 90pc duty cycle) WLAN 8.81 £9.6 10628 AAC EEE 80.21 tas WHF (6						
160161 AAC IEEE 802.11ae WHF (20 MHz, MCSP, 90pc duty cycle) WLAN 8.59 29.6 29.6 100161 AAC IEEE 802.11ae WHF (20 MHz, MCSP, 90pc duty cycle) WLAN 8.82 29.6 100161 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.81 29.6 10017 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.81 29.6 10017 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.81 29.6 10018 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.85 29.6 10018 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.87 29.6 10018 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.87 29.6 10022 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.87 29.6 10022 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.87 29.6 10023 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.88 29.6 10023 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.88 29.6 10023 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.96 29.6 10023 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.96 29.6 10023 AAC IEEE 802.11ae WHF (40 MHz, MCSP, 90pc duty cycle) WLAN 8.96 29.6 10025 AAC IEEE 802.11ae WHF (80 MHz, MCSP, 90pc duty cycle) WLAN 8.96 29.6 10026 AAC IEEE 802.11ae WHF (80 MHz, MCSP, 90pc duty cycle) WLAN 8.95 29.6 10026 AAC IEEE 802.11ae WHF (80 MHz, MCSP, 90pc duty cycle) WLAN 8.95 29.6 10026 AAC IEEE 802.11ae WHF (80 MHz, MCSP, 90pc duty cycle) WLAN 8.95 29.6 10026 AAC IEEE 802.11ae WHF (80 MHz, MCSP, 90pc duty cycle) WLAN 8.95 29.6 10026 AAC IEEE 802.11ae WHF (80 MHz, MCSP, 90pc duty cycle) WLAN 8.95 29.6 10026 AAC IEEE 802.11ae WHF (80 MHz, MCSP, 90pc duty cycle) WLAN 8.95 29.6 10026 AAC IEEE 802.11ae WHF (80 MHz, MCSP, 90pc duty cycle) WLAN 8	10613	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN		
16615 AAC EEE 802.11ae WHF (20MHz, MCS9, 90pc duty cycle) WLAN 6.82 ±9.6	10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN		
16016 ACC EEE 802.11ae WFF (40MHz, MCS9, 90pc duty cycle) WLAN 8.81 ±9.6 km 19.6 k	10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	
10617 ACC IEEE 802.11ae Wirl (40MHz, MCSS, 90pc duty cycle) WLAN 8.81 19.6	10616	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	
10618] AAC IEEE 802.11ae Wift (40 MHz, MCSZ, 90pc duty cycle) WLAN 8.58 19.6 10620 AAC IEEE 802.11ae Wift (40 MHz, MCSZ, 90pc duty cycle) WLAN 8.67 19.6 10621 AAC IEEE 802.11ae Wift (40 MHz, MCSZ, 90pc duty cycle) WLAN 8.77 19.6 10621 AAC IEEE 802.11ae Wift (40 MHz, MCSZ, 90pc duty cycle) WLAN 8.77 19.6 10622 AAC IEEE 802.11ae Wift (40 MHz, MCSS, 90pc duty cycle) WLAN 8.68 19.6 10623 AAC IEEE 802.11ae Wift (40 MHz, MCSS, 90pc duty cycle) WLAN 8.58 19.6 10623 AAC IEEE 802.11ae Wift (40 MHz, MCSS, 90pc duty cycle) WLAN 8.96 19.6 10625 AAC IEEE 802.11ae Wift (40 MHz, MCSS, 90pc duty cycle) WLAN 8.96 19.6 10625 AAC IEEE 802.11ae Wift (40 MHz, MCSS, 90pc duty cycle) WLAN 8.96 19.6 10625 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.83 19.6 10626 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.83 19.6 10626 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.71 19.6 10629 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.71 19.6 10629 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.71 19.6 10630 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.72 19.6 10630 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.72 19.6 10631 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.74 19.6 10633 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.74 19.6 10633 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.80 19.6 10633 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.80 19.6 10633 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.80 19.6 10633 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.80 19.6 10633 AAC IEEE 802.11ae Wift (80 MHz, MCSS, 90pc duty cycle) WLAN 8.80 19.6 10633 AAC IEEE 80	10617	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	
10619 ACC IEEE 802.11ac Wiff (40 MHz, MCS3, 40 pc duty cycle) WLAN 8.86 2.95.	10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	
1962 AAC IEEE 802 11ae Wiff (40)MHz, MCSS, 80pc duty cycle)	10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	±9.6
1962 ACC IEEE 802 1 Tax Wiff (40 MFx, MCSS, 90pc duty cycle) WLAN 8.77 ±9.8 1962 ACC IEEE 802 1 Tax Wiff (40 MFx, MCSS, 90pc duty cycle) WLAN 8.82 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (40 MFx, MCSS, 90pc duty cycle) WLAN 8.82 ±9.6 1962 ACC IEEE 802 1 Tax Wiff (40 MFx, MCSS, 90pc duty cycle) WLAN 8.96 ±9.6 1962 ACC IEEE 802 1 Tax Wiff (40 MFx, MCSS, 90pc duty cycle) WLAN 8.96 ±9.6 1962 ACC IEEE 802 1 Tax Wiff (60 MFx, MCSS, 90pc duty cycle) WLAN 8.98 ±9.6 1962 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.88 ±9.6 1962 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.88 ±9.6 1962 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.88 ±9.6 1962 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.85 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.85 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.81 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.81 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.81 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.81 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.83 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.81 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.81 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.81 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.81 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.81 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (80 MFx, MCSS, 90pc duty cycle) WLAN 8.85 ±9.6 1963 ACC IEEE 802 1 Tax Wiff (160 MFx, MCSS, 90pc duty cycle) WLAN 8.86 ±9.6	10620	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	±9.6
19828 AAC IEEE 802.11ac WIF1 (60 MHz, MCSF, 90pc duty cycle) WLAN 8.92 49.6 19828 AAC IEEE 802.11ac WIF1 (60 MHz, MCSB, 90pc duty cycle) WLAN 8.96 49.6 19828 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.98 49.6 19828 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.83 49.6 19828 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.71 49.6 19828 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.71 49.6 19828 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.71 49.6 19828 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.72 49.6 19828 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.72 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.74 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.74 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.74 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.74 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.80 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.80 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.80 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.81 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.83 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.83 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.89 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.89 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.89 49.6 19838 AAC IEEE 802.11ac WIF1 (80 MHz, MCSB, 90pc duty cycle) WLAN 8.89 49.6 19838 AAC IEEE 8	10621		IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	
10625 AAC IEEE 802.11ac WIF1 (60 MHz, MCSS, 90 pc duty cycle) WLAN 8.96 4.96	10622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10825 AAC IEEE 802.11ac WiFi (40NHz, MCS8, 90pc duty cycle) WLAN 8.96 4.96 10826 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.88 4.96 10827 AAC IEEE 802.11ac WiFi (80NHz, MCS1, 90pc duty cycle) WLAN 8.87 4.96 10828 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.77 4.96 10828 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.78 4.96 10838 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.72 4.96 10838 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.72 4.96 10838 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.74 4.96 10838 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.74 4.96 10838 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.74 4.96 10838 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.80 4.96 10838 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.80 4.96 10836 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.81 4.96 10838 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.81 4.96 10838 AAC IEEE 802.11ac WiFi (80NHz, MCS8, 90pc duty cycle) WLAN 8.83 4.96 10838 AAC IEEE 802.11ac WiFi (160NHz, MCS8, 90pc duty cycle) WLAN 8.83 4.96 10838 AAC IEEE 802.11ac WiFi (160NHz, MCS8, 90pc duty cycle) WLAN 8.86 4.96 10838 AAC IEEE 802.11ac WiFi (160NHz, MCS8, 90pc duty cycle) WLAN 8.86 4.96 10839 AAC IEEE 802.11ac WiFi (160NHz, MCS8, 90pc duty cycle) WLAN 8.86 4.96 10839 AAC IEEE 802.11ac WiFi (160NHz, MCS8, 90pc duty cycle) WLAN 8.86 4.96 10839 AAC IEEE 802.11ac WiFi (160NHz, MCS8, 90pc duty cycle) WLAN 8.96 4.96 10839 AAC IEEE 802.11ac WiFi (160NHz, MCS8, 90pc duty cycle) WLAN 8.96 4.96 10848 AAC IEEE 802.11ac WiFi (160NHz, MCS8, 90pc duty cycle) WLAN 8.96 4.96 10848 AAC IEEE 802.11ac WiFi (160NH	10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
196827 AAC IEEE 802.11ac WIF (80MHz, MCS6, 90pc duty cycle) WLAN 8.83 4.9.6	10624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10627 AAC EEE 802.11ac WFF (60MHz, MCS2, 90pc duty cycle) WLAN 8.98 4.96 10629 AAC IEEE 802.11ac WFF (80MHz, MCS2, 90pc duty cycle) WLAN 8.77 4.96 10629 AAC IEEE 802.11ac WFF (80MHz, MCS3, 90pc duty cycle) WLAN 8.85 4.96 10629 AAC IEEE 802.11ac WFF (80MHz, MCS3, 90pc duty cycle) WLAN 8.81 4.96 10629 AAC IEEE 802.11ac WFF (80MHz, MCS3, 90pc duty cycle) WLAN 8.81 4.96 10629 AAC IEEE 802.11ac WFF (80MHz, MCS3, 90pc duty cycle) WLAN 8.81 4.96 10629 AAC IEEE 802.11ac WFF (80MHz, MCS3, 90pc duty cycle) WLAN 8.81 4.96 10629 AAC IEEE 802.11ac WFF (80MHz, MCS3, 90pc duty cycle) WLAN 8.83 4.96 10633 AAC IEEE 802.11ac WFF (80MHz, MCS3, 90pc duty cycle) WLAN 8.83 4.96 10638 AAC IEEE 802.11ac WFF (80MHz, MCS3, 90pc duty cycle) WLAN 8.80 4.96 10638 AAC IEEE 802.11ac WFF (100MHz, MCS3, 90pc duty cycle) WLAN 8.81 4.96 10639 AAC IEEE 802.11ac WFF (100MHz, MCS3, 90pc duty cycle) WLAN 8.81 4.96 10637 AAD IEEE 802.11ac WFF (100MHz, MCS3, 90pc duty cycle) WLAN 8.83 4.96 10639 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.96 10639 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.96 10639 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.96 10640 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty cycle) WLAN 8.86 4.96 10640 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty cycle) WLAN 8.96 4.96 10640 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty cycle) WLAN 8.96 4.96 10640 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty cycle) WLAN 9.06 4.96 10640 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty cycle) WLAN 9.06 4.96 10640 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty cycle) WLAN 9.06 4.96 10640 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty cycle) WLAN 9.06 4.96 10640 AAD IEEE 802.11ac WFF (160MHz, MCS3, 90pc duty	10625	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
19628 AAC			IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
19629 AAC	10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10630 AAC IEEE 802-11ac WIFF (60 MHz, MCS4, 90pc duly cycle) WLAN 8.72 4.96	10628	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
10631 AAC IEEE 802.11ac WIFI (60 MHz, MCSS, 90pc duly cycle) WLAN 8.81 4.9.6	10629	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10632 AAC				WLAN	8.72	±9.6
10632 AAC		AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
10635 AAC				WLAN	8.74	±9.6
10636 AAC				WLAN	8.83	±9.6
10686 AAD			IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10637 AAD	10635	AAC		WLAN	8.81	±9.6
10639 AAD	10636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
10839 AAD	10637		IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10640 AAD				WLAN	8.86	±9.6
10641 AAD	10639		IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
10842 AAD				WLAN	8.98	±9.6
10643 AAD			IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
10644 AAD				WLAN	9.06	±9.6
10645 AAD						±9.6
10646					9.05	±9.6
10647 AAG						±9.6
10648						±9.6
10652					11.96	±9.6
10653						
10654 AAE LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%) LTE-TDD 6.96 ±9.6						
10655						
10658 AAB Pulse Waveform (200Hz, 10%) Test 10.00						
Test 6.99						
Test 3.98						
Test 2.22 ±9.6						
Test						
10670						
10671						
10672						
10673 AAC IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle) WLAN 8.78 ±9.6						
10674						
10675						_
10676						
10677 AAC IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle) WLAN 8.73 ±9.6						
10678						
10679						
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, 99pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) WLAN 8.23 ±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, 99pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) WLAN 8.33 ±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, 99pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) WLAN 8.33 ±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, 99pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) WLAN 8.33 ±9.6						
10684 AAC IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle) WLAN 8.26 ±9.6 10685 AAC IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) WLAN 8.33 ±9.6						
10685 AAC IEEE 802.11ax (20 MHz, MCS2, 99pc duty cycle) WLAN 8.33 ±9.6						
10080 AAC IEEE 802.11ax (20MHz, MCS3, 99pc duty cycle) WLAN 8.28 ±9.6						
	10686	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.28	±9.6

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United Anc. Elect 802.111x (20MHz, MCS4, 98pc duty cycle) WLAN						
16988 AC EEE 802.11xx (20MHz, MCSS, 98pc duty cycle)						Unc ^E $k=2$
1968 AAC EEE 802.11xx (20MHz, MCSS, 89pc duty cycle) WLAN 8.25 19.6						
1969 AC EEE 802.11xx (20MHz, MCS7, 99pc duty cycle) WLAN 8.29 19.6						
16692 ACC IEEE 802.111x (2014Hz, MCS8, 99pc duty cycle)				L		
16988 AAC IEEE 802.11ax (2014thx, MCS19, 99c duty cycle)						
10689 AAC IEEE 802.11ax (2014hz, MCS11, 99pc duty cycle) WILAN 8.25 2.96						
16985 AAC IEES 902.11ax (2014th, MCS03, 900 outly cycle)						
16988 AAC IEEE 802.11ax (ADMHz, MCS1, 90pc outry cycle)						
106867 AAC IEEE 802.11ax (40MHz, MCSS, 90pc duty cycle)						
10698 AAC IEEE 802.11ax (40 MHz. MCSS.) 90pc duty cycle)						
10699 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 0.02 1.9.0						
10699 AAC IEEE 802.11ac (40 MHz, MCS6, 90pc duty cycle) WLAN 8.73 ±9.6						
107070 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.73 49.5 10702 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.70 49.6 10703 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.70 49.6 10703 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.70 49.6 10703 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.56 49.6 10704 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.56 49.6 10705 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.56 49.6 10705 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.56 49.6 10709 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.56 49.6 10709 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.55 49.6 10709 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.33 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.33 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.33 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.33 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.33 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.33 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.33 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.33 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.35 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.35 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.35 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.35 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.45 49.6 10707 AAC IEEE 802.11ax (40 MHz, MCSS, 90pc duty cycle) WLAN 8.45 49.6 10707 AAC IEEE 802.11ax (80 MHz, MCSS, 90pc dut						
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10706 AAC IEEE 802.11ax (40MHz, MCS10, 90pc duty cycle)		-		1		
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10707 AAC						
10708 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.33 ±9.6 10710 AAC IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle) WLAN 8.29 ±9.6 10711 AAC IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle) WLAN 8.29 ±9.6 10711 AAC IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle) WLAN 8.67 ±9.6 10711 AAC IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle) WLAN 8.67 ±9.6 10713 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.67 ±9.6 10713 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.23 ±9.6 10713 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.23 ±9.6 10715 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.24 ±9.6 10716 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.35 ±9.6 10717 AAC IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle) WLAN 8.35 ±9.6 10717 AAC IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle) WLAN 8.48 ±9.6 10718 AAC IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) WLAN 8.41 ±9.6 10718 AAC IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) WLAN 8.41 ±9.6 10719 AAC IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) WLAN 8.41 ±9.6 10720 AAC IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) WLAN 8.87 ±9.6 10722 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.87 ±9.6 10722 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.87 ±9.6 10722 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) WLAN 8.70 ±9.6 10723 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) WLAN 8.70 ±9.6 10723 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) WLAN 8.70 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) WLAN 8.70 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) WLAN 8.70 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle) WLAN 8.70 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS4, 90p						
10770 AAC IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle) WLAN 8.23 ±9.6 10711 AAC IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle) WLAN 8.39 ±9.6 10712 AAC IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle) WLAN 8.39 ±9.6 10712 AAC IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle) WLAN 8.33 ±9.6 10712 AAC IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle) WLAN 8.33 ±9.6 10714 AAC IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle) WLAN 8.33 ±9.6 10716 AAC IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle) WLAN 8.26 ±9.6 10716 AAC IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle) WLAN 8.26 ±9.6 10716 AAC IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle) WLAN 8.24 ±9.6 10717 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.24 ±9.6 10718 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.24 ±9.6 10719 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.24 ±9.6 10719 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.24 ±9.6 10720 AAC IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle) WLAN 8.27 ±9.6 10721 AAC IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle) WLAN 8.27 ±9.6 10722 AAC IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle) WLAN 8.76 ±9.6 10722 AAC IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle) WLAN 8.70 ±9.6 10722 AAC IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle) WLAN 8.70 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.70 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.70 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.70 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.70 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.65 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.65 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty				WLAN	8.32	±9.6
10710 AAC IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle) WLAN 8.39 ±9.6 10712 AAC IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle) WLAN 8.67 ±9.6 10713 AAC IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle) WLAN 8.67 ±9.6 10714 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.28 ±9.6 10714 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.28 ±9.6 10715 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.26 ±9.6 10716 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.30 ±9.6 10716 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.30 ±9.6 10717 AAC IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle) WLAN 8.30 ±9.6 10717 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.48 ±9.6 10718 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.48 ±9.6 10718 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.24 ±9.6 10719 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.24 ±9.6 10720 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.27 ±9.6 10720 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.27 ±9.6 10720 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.76 ±9.6 10722 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.76 ±9.6 10724 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.75 ±9.6 10725 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.75 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.75 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.76 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.76 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.76 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.66 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty						
10711 AAC IEEE 802.11ax (40MHz, MCS5, 99pc duty cycle)	10709	AAC		WLAN	8.33	±9.6
10712 AAC IEEE 802.11ax (40 MHz, MCSS, 99pc duty cycle)			IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
10719 AAC IEEE 802.11ax (40 MHz, MCSS, 99pc duty cycle)	10711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10719 AAC IEEE 802.11ax (40 MHz, MCSS, 99pc duty cycle)	10712	AAÇ	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10715	10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	
10716 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.30 ±9.6	10714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
10717 AAC IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) WLAN 8.48 ±9.6 10718 AAC IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) WLAN 8.24 ±9.6 10720 AAC IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle) WLAN 8.81 ±9.6 10720 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.76 ±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, MCS2, 90pc duty cycle) WLAN 8.76 ±9.6 10723 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.75 ±9.6 10723 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.70 ±9.6 10724 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.70 ±9.6 10725 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.72 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.66 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.67 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.67 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.40 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.40 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.40 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.40 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.40 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc du	10715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
10717 AAC IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) WLAN 8.48 ±9.6 10718 AAC IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle) WLAN 8.24 ±9.6 10720 AAC IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle) WLAN 8.81 ±9.6 10720 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.76 ±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, MCS2, 90pc duty cycle) WLAN 8.76 ±9.6 10723 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.75 ±9.6 10723 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.70 ±9.6 10724 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.70 ±9.6 10725 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.72 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.66 ±9.6 10728 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.67 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.67 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.40 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.40 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.40 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.40 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.40 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc du	10716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
10718 AAC IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle) WLAN 8.24 ±9.6 10720 AAC IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle) WLAN 8.87 ±9.6 10721 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.76 ±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 8.76 ±9.6 10723 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.70 ±9.6 10724 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.70 ±9.6 10725 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10726 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.74 ±9.6 10727 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.72 ±9.8 10728 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.66 ±9.6 10729 AAC IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle) WLAN 8.65 ±9.6 10729 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10729 AAC IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle) WLAN 8.65 ±9.6 10730 AAC IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) WLAN 8.65 ±9.6 10731 AAC IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) WLAN 8.46 ±9.6 10733 AAC IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle) WLAN 8.42 ±9.6 10734 AAC IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle) WLAN 8.42 ±9.6 10735 AAC IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle) WLAN 8.46 ±9.6 10736 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.42 ±9.6 10738 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.25 ±9.6 10738 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.25 ±9.6 10738 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.29 ±9.6 10739 AAC IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle) WLAN 8.29 ±9.6 1	10717	AAC		WLAN	8.48	±9.6
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10721 AAC IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle) WLAN 8.76 ±9.6	10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	
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10751 AAC IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle) WLAN 8.82 ±9.6						
						±9.6
10752 AAC IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle) WLAN 8.81 ±9.6				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 Cycles M			
10753	AAC	Communication System Name	Group	PAR (dB)	Unc ^E k = 2
10754	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10755	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8.94	±9.6
10756	AAC	IEEE 802.11ax (160 MHz, MCS0, 99pc duty cycle) IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.64	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160.MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle) IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.69	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.49	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.58	±9.6
10763	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
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.54	±9.6
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	WLAN	8.51	±9.6
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	7.99	±9.6
10769	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10778	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 KHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.29	±9.6
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 KHz)	5G NR FR1 TDD	8.40	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	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, 15 kHz)	5G NR FR1 TDD	8.37 8.39	±9.6
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD		±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92 7.95	±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	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	7.93	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±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 TDD	8.35	±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, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	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	8.42	±9.6
10828	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6
			SA MILL UID	0.43	±9.5

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March Marc	UID	Rev	Communication System Name	Group	DAD (JD)	Unc ^E k = 2
1885 AAD 96 NR (PC-POPM, 1 RB, 19MHz, OPEK, 60Hz)	10829	AAD				
1882 AAD 50 MR (CP-OFDM, 1 RB, 15MHz, OPEK, 600Hz)	10830	AAD				
19883 AAD 50 NR (CP-OFDM, 18, 20MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.74 ±35. 19884 AAD 50 NR (CP-OFDM, 18, 20MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.75 ±36. 19885 AAD 50 NR (CP-OFDM, 18, 40MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.75 ±36. 19885 AAD 50 NR (CP-OFDM, 18, 40MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.76 ±36. 19886 AAD 50 NR (CP-OFDM, 18, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.86 ±36. 19887 AAD 50 NR (CP-OFDM, 18, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.76 ±36. 19887 AAD 50 NR (CP-OFDM, 18, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.70 ±36. 19887 AAD 50 NR (CP-OFDM, 18, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.70 ±36. 19887 AAD 50 NR (CP-OFDM, 18, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.70 ±36. 19887 AAD 50 NR (CP-OFDM, 18, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.70 ±36. 19888 AAD 50 NR (CP-OFDM, 18, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.70 ±36. 19889 AAD 50 NR (CP-OFDM, 18, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.70 ±36. 19881 AAD 50 NR (CP-OFDM, 50N RR, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19884 AAD 50 NR (CP-OFDM, 50N RR, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 50N RR, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 50N RR, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 50N RR, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 50N RR, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 50N RR, 50MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 100N RR, 15MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 100N RR, 15MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 100N RR, 15MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 100N RR, 15MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 100N RR, 15MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.71 ±36. 19885 AAD 50 NR (CP-OFDM, 100N RR, 15MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.72 ±36. 19885 AAD 50 NR (CP-OFDM, 100N RR, 15MHz, OPSK, 60MHz) 50 NR FRI TIDD 7.73 ±36. 19885 A	10831	AAD				
19883 AAD SONR (CP-OPEN, 18, 30Hz, 0PSK, 60Hz) 19885 AAD SONR (CP-OPEN, 18, 30Hz, 0PSK, 60Hz) 19885 AAD SONR (CP-OPEN, 18, 30Hz, 0PSK, 60Hz) 19886 AAD SONR (CP-OPEN, 18, 30Hz, 0PSK, 60Hz) 19886 AAD SONR (CP-OPEN, 18, 30Hz, 0PSK, 60Hz) 19886 AAD SONR (CP-OPEN, 18, 30Hz, 0PSK, 60Hz) 19887 AAD SONR (CP-OPEN, 18, 30Hz, 0PSK, 60Hz) 19889 AAD SONR (CP-OPEN, 18, 30Hz, 0PSK, 60Hz) 19880 AAD SONR (CP-OPEN, 18, 30Hz, 0PSK, 60Hz) 19881 AAD SONR (CP-OPEN, 19, 30Hz, 0PSK, 60Hz) 19881 AAD SONR (CP-OPEN, 19, 30Hz, 0PSK, 60Hz) 19882 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19883 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19885 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19885 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19885 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19886 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19887 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19887 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19887 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19887 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19887 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19888 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19889 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19889 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19889 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19880 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19880 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19880 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19880 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19880 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 60Hz) 19880 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 10Hz) 19880 AAD SONR (CP-OPEN, 105K 18, 10Hz, 0PSK, 10Hz) 19880 AAD						
1985 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.75 ±9.6 1985 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.86 ±9.6 1985 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.86 ±9.6 1985 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.86 ±9.6 1986 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.70 ±9.6 1986 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.70 ±9.6 1986 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.70 ±9.6 1986 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.71 ±9.6 1986 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.71 ±9.6 1986 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.71 ±9.6 1986 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.71 ±9.6 1986 AAD SG NR (CP-OFDM, 18, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 7.71 ±9.6 1986 AAD SG NR (CP-OFDM, 19, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 8.34 ±9.6 1986 AAD SG NR (CP-OFDM, 190 KR, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 8.34 ±9.6 1986 AAD SG NR (CP-OFDM, 190 KR, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 8.34 ±9.6 1986 AAD SG NR (CP-OFDM, 190 KR, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 8.34 ±9.6 1986 AAD SG NR (CP-OFDM, 190 KR, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 8.34 ±9.6 1986 AAD SG NR (CP-OFDM, 190 KR, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 8.34 ±9.6 1986 AAD SG NR (CP-OFDM, 190 KR, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 8.35 ±9.6 1986 AAD SG NR (CP-OFDM, 190 KR, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 8.37 ±9.6 1986 AAD SG NR (CP-OFDM, 190 KR, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 8.35 ±9.6 1986 AAD SG NR (CP-OFDM, 190 KR, 80 MHz, OFSK, 60 MHz) SG NR FRI TIDD 8.36 ±9.6 1986 AAD SG NR (CP-OFDM, 190 KR, 80 MHz, OFSK, 60 MHz) SG NR FRI TID						
1985 AAD SON RICK-POPEM, 18, 30 MHz, CPSK, 60 MHz) 1985 AAD SON RICK-POPEM, 18, 50 MHz, CPSK, 60 MHz) 1985 AAD SON RICK-POPEM, 18, 50 MHz, CPSK, 60 MHz) 1985 AAD SON RICK-POPEM, 18, 50 MHz, CPSK, 60 MHz) 1986 AAD SON RICK-POPEM, 18, 50 MHz, CPSK, 60 MHz) 1986 AAD SON RICK-POPEM, 18, 50 MHz, CPSK, 60 MHz) 1986 AAD SON RICK-POPEM, 18, 50 MHz, CPSK, 60 MHz) 1987 AAD SON RICK-POPEM, 18, 50 MHz, CPSK, 60 MHz) 1988 AAD SON RICK-POPEM, 18, 50 MHz, CPSK, 60 MHz) 1988 AAD SON RICK-POPEM, 18, 50 MHz, CPSK, 60 MHz) 1988 AAD SON RICK-POPEM, 50 KR RICK-POPEM,				5G NR FR1 TDD	7.75	
19857 AND SCHRIFCO-POPM, 18, 500Hz, 075K, 60Hz) SINN FRI TIDD 7-68 38.8 38.8 1985 AND SCHRIFCO-POPM, 18, 500Hz, 075K, 60Hz) SINN FRI TIDD 7-768 38.9 38.8 1985 AND SCHRIFCO-POPM, 18, 500Hz, 075K, 60Hz) SINN FRI TIDD 7-700 18.9 38.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8 1				5G NR FR1 TDD	7.70	
1989 AAD SO NR (CP-OFDM, 1R8, 90MHz, OPSK, 60HHz) SG NR FRIT TOD 7.77 \$1.6				5G NR FR1 TDD	7.66	±9.6
1984 AAD SONR (CP-CPEM, 1 FB, 199MHz, CPSK, 601Hz) 50 KM FFRT TOD 7.767 15.68 1984 AAD SONR (CP-CPEM, 1 FB, 150MHz, CPSK, 601Hz) 50 KM FFRT TOD 7.767 15.68 1984 AAD SONR (CP-CPEM, 50% RB, 15MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.34 15.68 1984 AAD SONR (CP-CPEM, 50% RB, 15MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.34 15.68 1984 AAD SONR (CP-CPEM, 1 100% RB, 15MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.34 15.68 1984 AAD SONR (CP-CPEM, 1 100% RB, 15MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.34 15.68 1985 AAD SONR (CP-CPEM, 1 100% RB, 15MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.34 15.68 1985 AAD SONR (CP-CPEM, 1 100% RB, 15MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.34 15.68 1985 AAD SONR (CP-CPEM, 1 100% RB, 15MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.36 15.68 1985 AAD SONR (CP-CPEM, 1 100% RB, 15MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.36 15.68 1985 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.35 15.68 1985 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.35 15.68 1985 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.35 15.68 1985 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.36 15.68 1985 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.36 15.68 1986 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.36 15.68 1986 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.37 15.68 1986 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.37 15.68 1986 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.37 15.68 1986 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.37 15.68 1986 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.38 15.68 1986 AAD SONR (CP-CPEM, 1 100% RB, 25MHz, CPSK, 601Hz) 50 KM FFRT TOD 6.38 15.68 15.68 15.68 15.68 15.68 15.68 15.68 15.68						±9.6
1984 AAD SO NR (CP-CPEM, 198, 1900M±c, CPSK, 690H±c) CS GN FFRT TOD						
1984 ADS SO NR (CP-OFDM, 59%, Rg. 15MHz, OPSK, 690Hz)						
1984 AAD SG NR (CP-OPEM, 59% R.) 20MHz, OPSK, 60MHz) SG NR FRI TDD 8.34 29.6 29						
19856 AAD SG NR (CP-GFOM, 509' RB, 30 MHz, GPSK, 60 MHz) SG NR FRI TDD 8.34 19.6						
19855 AAD SO NR (CP-OFDM, 100% RB, 10MHz, QPSK, 60NHz)	10846	AAD				
19855 AAD SG NR (CP-GFDM, 100% RB, 15MHz, CPSK, 6014tz) SG NR FRI TIDD 8.36 19.6 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5 19.6 19.5	10854	AAD				
10855 AAD \$G NR (CP-OFDM, 1009; RB, 20MHz, OPSK, 60MHz) \$G NR FRI TDD 8.37 49.6		AAD				
19857 AAD SG NR (CP-OFDM, 1009; RB, 25MHz, OPSK, 60MHz) SG NR FRI TDD 8.35 19.6						
10859 AAD SG NR (CP-OFDM, 1009; RB, 30 MHz, OFSK, 60 MHz) SG NR FRI TDD 8.38 49.6						
10859 AAD SG NR (CP-OFDM, 100% RB, 60 MHz, CPSK, 60 MHz) SG NR FRI TDD 8.34 4.9.6			5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)			
10961 AAD SG NR (CP-CPGM, 100%, RB, 50 MHz, CPSK, 60 MHz) SG NR FR1 TDD 8.40 4.96 10863 AAD SG NR (CP-CPGM, 100%, RB, 80 MHz, CPSK, 60 MHz) SG NR FR1 TDD 8.41 4.96 10865 AAD SG NR (CP-CPGM, 100%, RB, 100 MHz, CPSK, 60 MHz) SG NR FR1 TDD 8.41 4.96 10865 AAD SG NR (CP-CPGM, 100%, RB, 100 MHz, CPSK, 60 MHz) SG NR FR1 TDD 8.41 4.96 10865 AAD SG NR (CP-CPGM, 100%, RB, 100 MHz, CPSK, 50 MHz) SG NR FR1 TDD S.41 4.96 10866 AAD SG NR (CP-CPGM, 100%, RB, 100 MHz, CPSK, 50 MHz) SG NR FR1 TDD S.48 4.96 10868 AAD SG NR (CPT-S-CPGM, 100%, RB, 100 MHz, CPSK, 50 MHz) SG NR FR1 TDD S.58 4.96 10868 AAD SG NR (CPT-S-CPGM, 100%, RB, 100 MHz, CPSK, 120 MHz) SG NR FR1 TDD S.59 4.9.6 10870 AAE SG NR (CPT-S-CPGM, 178, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.56 4.9.6 10871 AAE SG NR (CPT-S-CPGM, 178, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.56 4.9.6 10871 AAE SG NR (CPT-S-CPGM, 178, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.55 4.9.6 10873 AAE SG NR (CPT-S-CPGM, 178, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.55 4.9.6 10873 AAE SG NR (CPT-S-CPGM, 100%, RB, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.55 4.9.6 10873 AAE SG NR (CPT-S-CPGM, 100%, RB, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.55 4.9.6 10873 AAE SG NR (CPT-S-CPGM, 100%, RB, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.55 4.9.6 10873 AAE SG NR (CPT-S-CPGM, 100%, RB, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.55 4.9.6 10873 AAE SG NR (CPT-S-CPGM, 100%, RB, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.39 4.9.6 10875 AAE SG NR (CPT-OPGM, 100%, RB, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.39 4.9.6 10873 AAE SG NR (CPT-OPGM, 100%, RB, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.39 4.9.6 10873 AAE SG NR (CPT-OPGM, 100%, RB, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.39 4.9.6 10873 AAE SG NR (CPT-OPGM, 100%, RB, 100 MHz, CPSK, 120 MHz) SG NR FR2 TDD S.39 4.9.6 10883	-					
1988 AAD SG NR (CP-CPDM, 100% RB, 80MHz, CPSK, 60Hz) SG NR FR1 TDD 8.41 4.9.6 19884 AAD SG NR (CP-CPDM, 100% RB, 90MHz, CPSK, 60Hz) SG NR FR1 TDD 8.41 4.9.6 19886 AAD SG NR (CP-CPDM, 100% RB, 90MHz, CPSK, 60Hz) SG NR FR1 TDD S. 80 4.9.6 19886 AAD SG NR (CP-CPDM, 11 RB, 100MHz, CPSK, 30Hz) SG NR FR1 TDD S. 80 4.9.6 19886 AAD SG NR (CP-CPDM, 1 RB, 100MHz, CPSK, 30Hz) SG NR FR1 TDD S. 80 4.9.6 19886 AAD SG NR (CP-CPDM, 1 RB, 100MHz, CPSK, 120Hz) SG NR FR1 TDD S. 80 4.9.6 19886 AAE SG NR (CPT-S-CPDM, 1 RB, 100MHz, CPSK, 120Hz) SG NR FR2 TDD S. 75 4.9.6 19870 AAE SG NR (CPT-S-CPDM, 1 RB, 100MHz, CPSK, 120Hz) SG NR FR2 TDD S. 75 4.9.6 19871 AAE SG NR (CPT-S-CPDM, 1 RB, 100MHz, 160AM, 120Hz) SG NR FR2 TDD S. 75 4.9.6 19871 AAE SG NR (CPT-S-CPDM, 1 RB, 100MHz, 160AM, 120Hz) SG NR FR2 TDD S. 75 4.9.6 19872 AAE SG NR (CPT-S-CPDM, 1 RB, 100MHz, 160AM, 120Hz) SG NR FR2 TDD S. 75 4.9.6 19873 AAE SG NR (CPT-S-CPDM, 1 RB, 100MHz, 160AM, 120Hz) SG NR FR2 TDD S. 75 4.9.6 19873 AAE SG NR (CPT-S-CPDM, 1 RB, 100MHz, 640AM, 120Hz) SG NR FR2 TDD S. 75 4.9.6 19873 AAE SG NR (CPT-S-CPDM, 1 RB, 100MHz, 640AM, 120Hz) SG NR FR2 TDD S. 75 4.9.6 19873 AAE SG NR (CPT-S-CPDM, 1 RB, 100MHz, 640AM, 120Hz) SG NR FR2 TDD S. 78 4.9.6 19873 AAE SG NR (CPT-SPDM, 1 RB, 100MHz, 640AM, 120Hz) SG NR FR2 TDD S. 79 4.9.6 19873 AAE SG NR (CPT-SPDM, 1 RB, 100MHz, 640AM, 120Hz) SG NR FR2 TDD S. 80 4.9.6 19873 AAE SG NR (CPT-SPDM, 1 RB, 100MHz, 640AM, 120Hz) SG NR FR2 TDD S. 80 4.9.6 19873 AAE SG NR (CPT-SPDM, 1 RB, 100MHz, 640AM, 120Hz) SG NR FR2 TDD S. 80 4.9.6 19873 AAE SG NR (CPT-SPDM, 1 RB, 100MHz, 640AM, 120Hz) SG NR FR2 TDD S. 80 4.9.6 19873 AAE SG NR (CPT-SPDM, 1 RB, 50MHz, 100AMz, 100Hz) SG NR FR2 TDD S. 80 4.9.6 19883 AAE SG NR (CPT-SPDM, 1 RB, 50MHz, 100AMz, 100Hz) SG NR FR2 TDD S. 80 4.9			5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)		8.41	±9.6
10865 AAD SG NR (CP-CFDM, 100% RB, 90MHz, CPSK, 60MHz)						
10865 AAD SG NR (CP-CFDM, 100% RB, 100MHz, CPSK, 30 kHz) SG NR FRI TIDD S.84 ±9.6 10866 AAD SG NR (DFTs-OFDM, 1 RB, 100 MHz, CPSK, 30 kHz) SG NR FRI TIDD S.88 ±9.6 10868 AAD SG NR (DFTs-OFDM, 100% RB, 100 MHz, CPSK, 30 kHz) SG NR FRI TIDD S.88 ±9.6 10868 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, CPSK, 120 kHz) SG NR FRI TIDD S.75 ±9.6 10870 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, CPSK, 120 kHz) SG NR FRZ TIDD S.75 ±9.6 10871 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, CPSK, 120 kHz) SG NR FRZ TIDD S.75 ±9.6 10871 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 102 kHz) SG NR FRZ TIDD S.75 ±9.6 10872 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 102 kHz) SG NR FRZ TIDD S.75 ±9.6 10873 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 102 kHz) SG NR FRZ TIDD S.75 ±9.6 10873 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 102 kHz) SG NR FRZ TIDD S.75 ±9.6 10874 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 102 kHz) SG NR FRZ TIDD SG NR FRZ TIDD S.75 ±9.6 10875 AAE SG NR (DFTs-OFDM, 100% RB, 100 MHz, 20 kHz) SG NR FRZ TIDD SG NR FRZ						±9.6
10866 AAD 5G NR (DFT-\$-OFDM, 1 RB, 100MHz, QPSK, 30KHz) 5G NR FR1 TDD 5.68 ±9.6						
10868 AAD SG NR (DFTs-OFDM, 109% RB, 100MHz, QPSK, 30kHz) SG NR FRI TDD 5.88 ±9.6 10869 AAE SG NR (DFTs-OFDM, 108, 100MHz, QPSK, 120kHz) SG NR FRI TDD 5.75 ±9.6 10870 AAE SG NR (DFTs-OFDM, 18B, 100MHz, QPSK, 120kHz) SG NR FRI TDD 5.75 ±9.6 10871 AAE SG NR (DFTs-OFDM, 100% RB, 100MHz, 160AM, 120kHz) SG NR FRI TDD 5.76 ±9.6 10872 AAE SG NR (DFTs-OFDM, 18B, 100MHz, 160AM, 120kHz) SG NR FRI TDD 5.75 ±9.6 10873 AAE SG NR (DFTs-OFDM, 18B, 100MHz, 160AM, 120kHz) SG NR FRI TDD 6.52 ±9.8 10874 AAE SG NR (DFTs-OFDM, 100% RB, 100MHz, 160AM, 120kHz) SG NR FRI TDD 6.51 ±9.6 10874 AAE SG NR (DFTs-OFDM, 100% RB, 100MHz, 160AM, 120kHz) SG NR FRI TDD 6.65 ±9.6 10875 AAE SG NR (DFTs-OFDM, 18B, 100MHz, 160AM, 120kHz) SG NR FRI TDD 6.65 ±9.6 10876 AAE SG NR (DFT-OFDM, 18B, 100MHz, 160AM, 120kHz) SG NR FRI TDD 7.78 ±9.6 10877 AAE SG NR (DFO-DFDM, 18B, 100MHz, 160AM, 120kHz) SG NR FRI TDD 7.78 ±9.6 10878 AAE SG NR (DFO-DFDM, 18B, 100MHz, 160AM, 120kHz) SG NR FRI TDD 7.95 ±9.6 10879 AAE SG NR (DFO-DFDM, 18B, 100MHz, 160AM, 120kHz) SG NR FRI TDD 7.95 ±9.6 10879 AAE SG NR (DFO-DFDM, 18B, 100MHz, 160AM, 120kHz) SG NR FRI TDD 8.41 ±9.6 10879 AAE SG NR (DFT-S-OFDM, 100% RB, 100MHz, 160AM, 120kHz) SG NR FRI TDD 8.41 ±9.6 10880 AAE SG NR (DFT-S-OFDM, 100% RB, 100MHz, 160AM, 120kHz) SG NR FRI TDD 8.41 ±9.6 10881 AAE SG NR (DFT-S-OFDM, 100% RB, 100MHz, 160AM, 120kHz) SG NR FRI TDD 8.38 ±9.6 10880 AAE SG NR (DFT-S-OFDM, 100% RB, 100MHz, 160AM, 120kHz) SG NR FRI TDD 8.75 ±9.6 10880 AAE SG NR (DFT-S-OFDM, 100% RB, 50MHz, 160AM, 120kHz) SG NR FRI TDD 5.75 ±9.6 10880 AAE SG NR (DFT-S-OFDM, 100% RB, 50MHz, 160AM, 120kHz) SG NR FRI TDD 5.75 ±9.6 10880 AAE SG NR (DFT-S-OFDM, 100% RB, 50MHz, 160AM, 120kHz) SG NR FRI TDD 5.75 ±9.6 10880 AAE SG NR (DFT-S-OFDM, 100% RB, 50MHz, 100AMz, 100kHz) SG NR						
1989 AAE 5G NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 120 MHz) 5G NR FR2 TDD 5.75 ±9.6						
10870 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 5.58 ±9.6 10872 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 6.52 ±9.6 10873 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 6.52 ±9.6 10873 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 6.65 ±9.6 10874 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 6.65 ±9.6 10875 AAE SG NR (DFT-s-OFDM, 100% RB, 100MHz, 100KHz) SG NR FR2 TDD 7.78 ±9.6 10875 AAE SG NR (CP-OFDM, 178, 100MHz, 100KHz) SG NR FR2 TDD 7.78 ±9.6 10876 AAE SG NR (CP-OFDM, 100% RB, 100MHz, 100KHz) SG NR FR2 TDD 3.39 ±9.6 10877 AAE SG NR (CP-OFDM, 100% RB, 100MHz, 100KHz) SG NR FR2 TDD 3.39 ±9.6 10878 AAE SG NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120KHz) SG NR FR2 TDD 3.49 50KHz	10869	AAE				
1987 AAE SG NR (DFT-s-OPDM, 1 RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 19873 AAE SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10874 AAE SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10875 AAE SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10876 AAE SG NR (CPO-OFDM, 100% RB, 100 MHz, 0FSK, 120 kHz) SG NR FR2 TDD 7.78 ±9.6 10876 AAE SG NR (CPO-OFDM, 100% RB, 100 MHz, 0FSK, 120 kHz) SG NR FR2 TDD 7.79 ±9.6 10877 AAE SG NR (CPO-OFDM, 100% RB, 100 MHz, 0FSK, 120 kHz) SG NR FR2 TDD 8.39 ±9.6 10878 AAE SG NR (CPO-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10879 AAE SG NR (CPO-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.41 ±9.6 10880 AAE SG NR (CPO-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10880 AAE SG NR (CPO-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz) SG NR FR2 TDD 8.12 ±9.6 10880 AAE SG NR (CPO-OFDM, 100% RB, 100 MHz, 100 kHz) SG NR FR2 TDD 8.12 ±9.6 10881 AAE SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QFSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10883 AAE SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QFSK, 120 kHz) SG NR FR2 TDD 5.75 ±9.6 10883 AAE SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QFSK, 120 kHz) SG NR FR2 TDD 5.96 ±9.6 10883 AAE SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QFSK, 120 kHz) SG NR FR2 TDD 5.56 ±9.6 10884 AAE SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QFSK, 120 kHz) SG NR FR2 TDD 6.53 ±9.6 10885 AAE SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 20 KMz) SG NR FR2 TDD 6.53 ±9.6 10886 AAE SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.61 ±9.6 10887 AAE SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz) SG NR FR2 TDD 6.65 ±9.6 10888 AAE SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 20 KMz) SG NR FR2 TDD	10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)		200	
10872 AAE SG NR (DFT-s-OFDM, 100% RB, 100 MHz, 160AM, 120 KHz) SG NR FR2 TDD 6.52	10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)			
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1995 AAB 5G NR (DFTs-OFDM, 1 RB, 60 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 10907 AAC 5G NR (DFTs-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.78 ±9.6 10908 AAB 5G NR (DFTs-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.93 ±9.6 10909 AAB 5G NR (DFTs-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6						
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10909 AAB 5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.96 ±9.6					5.78	±9.6
10010 AAR FOND (DET- OFPM FOY DR COMM OPP) COMM						
10910 AND 301 NN (UP 1-5-OFDIM, 50% HB, 20 MHZ, QPSK, 30 KHZ) 5G NR FR1 TDD 5.83 ±9.6						
	10910	AAD	_ 3G Nn (DF1-5-OFDINI, 30% RB, 20 MHZ, QPSK, 30 KHZ)	5G NR FR1 TDD	5.83	±9.6

EX3DV4 - SN:3922

August 11, 2023

19911 AAB 60 ARD DFT-GOFMA, 50% RB, 50MHz, OPSK, 3004Hz)	UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E $k=2$
ABB ABB ABB ABB ROPE-O-FORM, 509-RB, ADMH-2, CPSK, 309-H2]	10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
19915 AAB SON NI (DIFFS-OPEN), 509 KB, 500 ME, C9PS, 500 ME) SON NI (DIFFS-OPEN), 509 KB, 500 ME, C9PS, 500 ME) SON NI (DIFFS-OPEN), 509 KB, 500 ME, C9PS, 500 ME) SON NI (DIFFS-OPEN), 509 KB, 500 ME, C9PS, 500 ME) SON NI (DIFFS-OPEN), 509 KB, 500 ME, C9PS, 500 ME) SON NI (DIFFS-OPEN), 509 KB, 500 ME, C9PS, 500 ME) SON NI (DIFFS-OPEN), 509 KB, 500 ME) SON NI (DIFFS-OPEN), 509 KB, 500 ME) SON NI (DIFFS-OPEN), 509 KB, 500 ME) SON NI (DIFFS-OPEN), 500 KB, 500 ME)				5G NR FR1 TDD	5.84	±9.6
19916 AAB SIN NI (PIFE-OFFM, 50N RB, 50NHz, CPSK, 30NHz)						±9.6
19916 AAB SO NN (DIFF=OPEN), 509 RB, 500 Met. QPSK, 300 Met.) 50 NN FRITTIDD 5.87 1.05					5.85	±9.6
19918 AAC SON NIC (PTS-OPEN), 1009 RB, 1004 MB, CPSK, 3004-b) SON NE PET TOD 5.84 2.6						±9.6
19919 AAB SON NICPTS-0FDM, 100% RB, SMHz, CPSK, S0HHz) SON RFRI TIDD S.86 8.9.6			5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	***************************************	5.87	±9.6
1992 AAB SO NR (DFT=00FM, 1007, RB, 101Hz, 0PSK, 301Hz)			5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)		5.94	±9.6
1992 AAS SO NR (DFT=0-0FM, 100%, RB, 15MHz, 0/PSK, 30kHz)			5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)			±9.6
1992 AAB SO NR (DFF-COPM, 100%, RB, 20MHz, CPSK, 30MHz) SO NR FRIT TOD 5.24 9.86 1992 AAB SO NR (DFF-COPM, 100%, RB, 20MHz, CPSK, 20MHz) SO NR FRIT TOD 5.24 9.86 1992 AAB SO NR (DFF-COPM, 100%, RB, 30MHz, CPSK, 30MHz) SO NR FRIT TOD 5.24 9.86 1992 AAB SO NR (DFF-COPM, 100%, RB, 30MHz, CPSK, 30MHz) SO NR FRIT TOD 5.24 9.86 1992 AAB SO NR (DFF-COPM, 100%, RB, 30MHz, CPSK, 30MHz) SO NR FRIT TOD 5.24 9.86 1992 AAB SO NR (DFF-COPM, 100%, RB, 30MHz, CPSK, 30MHz) SO NR FRIT TOD 5.24 9.86 1992 AAB SO NR (DFF-COPM, 100%, RB, 30MHz, CPSK, 30MHz) SO NR FRIT TOD 5.24 9.86 1992 AAB SO NR (DFF-COPM, 100%, RB, 30MHz, CPSK, 30MHz) SO NR FRIT TOD 5.24 9.86 1992 AAB SO NR (DFF-COPM, 100%, RB, 30MHz, CPSK, 30MHz) SO NR FRIT TOD 5.24 9.86 1992 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.25 9.86 1992 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.52 9.86 1992 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.52 9.86 1992 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.52 9.86 1993 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.52 9.86 1993 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.52 9.86 1993 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.52 9.86 1993 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.51 9.86 1993 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.51 9.86 1993 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.51 9.86 1993 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.51 9.86 1993 AAC SO NR (DFF-COPM, 178, SMHz, CPSK, 15MHz) SO NR FRIT TOD 5.51 9.86 1993 AAC SO NR (DFF-COPM, 50MR, RB, 5MHz, CPSK, 15MHz) SO NR FRIT TOD 5.51 9.86 1993 AAC SO NR (DFF-COPM, 50MR, RB, 5MHz, CPSK, 15MHz) SO NR FRIT TOD 5.52 9.86 1993 AAC SO NR (DFF-COP						±9.6
1992 AAB SO NR (DFT=COFDM, 100% RB, 25MHz, CPSK, 30MHz) SO NR FFT TOD \$.82 \$9.6						±9.6
19924 AMB SG NR (DFF-GPM, 1908 RB, 30MHz, OPSK, 50Hz)						
19925 AAB SG NR (DFF-0FDM, 1078 RB, 50MHz, OPSK, 50HHz)						
19926 AAB SG NR (DFF-6-PDM, 1078; RB, 50MHz, OPSK, 30Hb) 50 NR FRI TDD 5.88 .9.8 .9						
19922 AAB SG NR (DFF=OFDM, 109K RB, 80MHz, OPSK, 150Hz)						
1992 AAB SG NR (DFF-GPDM, 109 KB, 80 MHz, OPSK, 150 Hz) SG NR FRI TDD 5,92 2,96						
10929 AAC SG NR (DFT-6-OFDM, 1 RB, 5 MHz, QPSK, 15Hz) SG NR FR1 FDD 5.52 9.6						
10929 AAC SG NR (DFT-6-OFDM, 1 RB, 10MHz, OPSK, 15HHz) SG NR FF1 FDD 5.52 2.9.8 10931 AAC SG NR (DFT-6-OFDM, 1 RB, 20MHz, OPSK, 15HHz) SG NR FF1 FDD 5.52 2.9.8 10932 AAC SG NR (DFT-6-OFDM, 1 RB, 20MHz, OPSK, 15HHz) SG NR FF1 FDD 5.51 2.9.6 10932 AAC SG NR (DFT-6-OFDM, 1 RB, 20MHz, OPSK, 15HHz) SG NR FR1 FDD 5.51 2.9.6 10933 AAC SG NR (DFT-6-OFDM, 1 RB, 20MHz, OPSK, 15HHz) SG NR FR1 FDD 5.51 2.9.6 10933 AAC SG NR (DFT-6-OFDM, 1 RB, 20MHz, OPSK, 15HHz) SG NR FR1 FDD 5.51 2.9.6 10935 AAD SG NR (DFT-6-OFDM, 1 RB, 20MHz, OPSK, 15HHz) SG NR FR1 FDD 5.51 2.9.6 10935 AAC SG NR (DFT-6-OFDM, 1 RB, 20MHz, OPSK, 15HHz) SG NR FR1 FDD 5.51 2.9.6 10935 AAC SG NR (DFT-6-OFDM, 1 RB, 20MHz, OPSK, 15HHz) SG NR FR1 FDD 5.51 2.9.6 10936 AAC SG NR (DFT-6-OFDM, 1 RB, 20MHz, OPSK, 15HHz) SG NR FR1 FDD 5.51 2.9.6 10937 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.51 2.9.6 10937 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.77 2.9.6 10938 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.77 2.9.6 10938 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.77 2.9.6 10930 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.80 2.9.6 10940 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.82 2.9.6 10940 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.83 2.9.6 10944 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.83 2.9.6 10944 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.83 2.9.6 10944 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.83 2.9.6 10944 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.83 2.9.6 10944 AAC SG NR (DFT-6-OFDM, 50% RB, 5MHz, OPSK, 15HHz) SG NR FR1 FDD 5.83 2.9.6 10944						
10930 AAC SG NR (DFTs-OFDM, 18B, 15MHz, DPSK, 15Hz) SG NR FR1 FDD 5.52 ±9.6						
10931 AAC SG NR (DFT-G-OFDM, 1 RB, 25 MHz, QPSK, 15 KHz) SG NR FR1 FDD 5.51 ±9.6						
10932 AAC SG NR (DFT-G-OFDM, 1 RB, 25MHz, OPSK, 15KHz) SG NR FR1 FDD 5.51 ±9.6						
10933 AAC SG NR (DFT-G-OFDM, 178, 30MHz, QPSK, 15KHz) SG NR FR1 FDD 5.51 29.6 10936 AAC SG NR (DFT-G-OFDM, 178, 40MHz, QPSK, 15KHz) SG NR FR1 FDD 5.51 29.6 10936 AAC SG NR (DFT-G-OFDM, 178, 40MHz, QPSK, 15KHz) SG NR FR1 FDD 5.51 29.6 10936 AAC SG NR (DFT-G-OFDM, 178, 50MHz, QPSK, 15KHz) SG NR FR1 FDD 5.51 29.6 10937 AAC SG NR (DFT-G-OFDM, 50% RB, 5MHz, QPSK, 15KHz) SG NR FR1 FDD 5.90 29.6 10937 AAC SG NR (DFT-G-OFDM, 50% RB, 15MHz, QPSK, 15KHz) SG NR FR1 FDD 5.90 29.6 10937 AAC SG NR (DFT-G-OFDM, 50% RB, 15MHz, QPSK, 15KHz) SG NR FR1 FDD 5.90 29.6 10938 AAC SG NR (DFT-G-OFDM, 50% RB, 15MHz, QPSK, 15KHz) SG NR FR1 FDD 5.82 29.6 10941 AAC SG NR (DFT-G-OFDM, 50% RB, 25MHz, QPSK, 15KHz) SG NR FR1 FDD 5.82 29.6 10941 AAC SG NR (DFT-G-OFDM, 50% RB, 25MHz, QPSK, 15KHz) SG NR FR1 FDD 5.82 29.6 10942 AAC SG NR (DFT-G-OFDM, 50% RB, 30MHz, QPSK, 15KHz) SG NR FR1 FDD 5.83 29.6 10943 AAC SG NR (DFT-G-OFDM, 50% RB, 30MHz, QPSK, 15KHz) SG NR FR1 FDD 5.83 29.6 10943 AAD SG NR (DFT-G-OFDM, 50% RB, 50MHz, QPSK, 15KHz) SG NR FR1 FDD 5.83 29.6 10944 AAC SG NR (DFT-G-OFDM, 50% RB, 50MHz, QPSK, 15KHz) SG NR FR1 FDD 5.85 29.6 10944 AAC SG NR (DFT-G-OFDM, 50% RB, 50MHz, QPSK, 15KHz) SG NR FR1 FDD 5.85 29.6 10944 AAC SG NR (DFT-G-OFDM, 100% RB, 15MHz, QPSK, 15KHz) SG NR FR1 FDD 5.85 29.6 10944 AAC SG NR (DFT-G-OFDM, 100% RB, 50MHz, QPSK, 15KHz) SG NR FR1 FDD 5.85 29.6 10944 AAC SG NR (DFT-G-OFDM, 100% RB, 50MHz, QPSK, 15KHz) SG NR FR1 FDD 5.85 29.6 10944 AAC SG NR (DFT-G-OFDM, 100% RB, 50MHz, QPSK, 15KHz) SG NR FR1 FDD 5.85 29.6 10944 AAC SG NR (DFT-G-OFDM, 100% RB, 50MHz, QPSK, 15KHz) SG NR FR1 FDD 5.85 29.6 10944 AAC SG NR (DFT-G-OFDM, 100% RB, 50MHz, QPSK, 15KHz) SG NR FR1 FDD 5.85 29.6 10944 AAC SG NR (DFT-G-OFDM, 100% RB, 50MHz, QPSK, 15KHz) SG NR FR1 FDD 5.85 29.6 1094						
10936 AAC 5G NR (DFFs-OFDM, 1 RB, 40 MHz, OPSK, 15kHz) SG NR FRI FDD 5.51 ±9.6 10936 AAC 5G NR (DFFs-OFDM, 1 RB, 50 MHz, OPSK, 15kHz) SG NR FRI FDD 5.51 ±9.6 10937 AAC 5G NR (DFFs-OFDM, 50% RB, 50 MHz, OPSK, 15kHz) SG NR FRI FDD 5.77 ±9.6 10938 AAC 5G NR (DFFs-OFDM, 50% RB, 10 MHz, OPSK, 15kHz) SG NR FRI FDD 5.77 ±9.6 10939 AAC 5G NR (DFFs-OFDM, 50% RB, 15 MHz, OPSK, 15kHz) SG NR FRI FDD 5.77 ±9.6 10939 AAC 5G NR (DFFs-OFDM, 50% RB, 15 MHz, OPSK, 15kHz) SG NR FRI FDD 5.82 ±9.6 10940 AAC 5G NR (DFFs-OFDM, 50% RB, 20 MHz, OPSK, 15kHz) SG NR FRI FDD 5.82 ±9.6 10940 AAC 5G NR (DFFs-OFDM, 50% RB, 20 MHz, OPSK, 15kHz) SG NR FRI FDD 5.82 ±9.6 10941 AAC 5G NR (DFFs-OFDM, 50% RB, 20 MHz, OPSK, 15kHz) SG NR FRI FDD 5.83 ±9.6 10942 AAC 5G NR (DFFs-OFDM, 50% RB, 30 MHz, OPSK, 15kHz) SG NR FRI FDD 5.83 ±9.6 10942 AAC 5G NR (DFFs-OFDM, 50% RB, 40 MHz, OPSK, 15kHz) SG NR FRI FDD 5.83 ±9.6 10943 AAC 5G NR (DFFs-OFDM, 50% RB, 50 MHz, OPSK, 15kHz) SG NR FRI FDD 5.83 ±9.6 10944 AAC 5G NR (DFFs-OFDM, 50% RB, 50 MHz, OPSK, 15kHz) SG NR FRI FDD 5.83 ±9.6 10945 AAC 5G NR (DFFs-OFDM, 50% RB, 50 MHz, OPSK, 15kHz) SG NR FRI FDD 5.81 ±9.8 10946 AAC 5G NR (DFFs-OFDM, 100% RB, 100MHz, OPSK, 15kHz) SG NR FRI FDD 5.81 ±9.8 10947 AAC 5G NR (DFFs-OFDM, 100% RB, 100MHz, OPSK, 15kHz) SG NR FRI FDD 5.85 ±9.6 10949 AAC 5G NR (DFFs-OFDM, 100% RB, 100MHz, OPSK, 15kHz) SG NR FRI FDD 5.83 ±9.6 10949 AAC 5G NR (DFFs-OFDM, 100% RB, 200MHz, OPSK, 15kHz) SG NR FRI FDD 5.87 ±9.6 10949 AAC 5G NR (DFFs-OFDM, 100% RB, 200MHz, OPSK, 15kHz) SG NR FRI FDD 5.87 ±9.6 10949 AAC 5G NR (DFFs-OFDM, 100% RB, 200MHz, OPSK, 15kHz) SG NR FRI FDD 5.87 ±9.6 10949 AAC 5G NR (DFFs-OFDM, 100% RB, 200MHz, OPSK, 15kHz) SG NR FRI FDD 5.87 ±9.6 10949 AAC 5G NR (DFFs-OFDM, 100% RB, 200MH	10933	AAC				
10985 AAD SG NR (DFTs-OFDM, 178, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.51 ±9.6 10987 AAC SG NR (DFTs-OFDM, 50%, 6B, 10 MHz, QPSK, 15kHz) SG NR FRI FDD 5.90 ±9.6 10987 AAC SG NR (DFTs-OFDM, 50%, 6B, 10 MHz, QPSK, 15kHz) SG NR FRI FDD 5.90 ±9.6 10980 AAC SG NR (DFTs-OFDM, 50%, 6B, 10 MHz, QPSK, 15kHz) SG NR FRI FDD 5.90 ±9.6 10980 AAC SG NR (DFTs-OFDM, 50%, 6B, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.90 ±9.6 10980 AAC SG NR (DFTs-OFDM, 50%, 6B, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.89 ±9.6 10981 AAC SG NR (DFTs-OFDM, 50%, 6B, 30 MHz, QPSK, 15kHz) SG NR FRI FDD 5.89 ±9.6 10984 AAC SG NR (DFTs-OFDM, 50%, 6B, 30 MHz, QPSK, 15kHz) SG NR FRI FDD 5.89 ±9.6 10984 AAC SG NR (DFTs-OFDM, 50%, 6B, 30 MHz, QPSK, 15kHz) SG NR FRI FDD 5.89 ±9.6 10984 AAC SG NR (DFTs-OFDM, 50%, 6B, 30 MHz, QPSK, 15kHz) SG NR FRI FDD 5.80 ±9.6 10984 AAC SG NR (DFTs-OFDM, 50%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.80 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.80 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.80 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.80 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.80 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.80 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.80 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.84 ±9.6 10984 AAC SG NR (DFTs-OFDM, 100%, 6B, 50 MHz, QPSK, 15kHz)						
10936 AAC 5G NR (DFFs-OFDM, 50% RB, 5MHz, QPSK, 15kHz) 5G NR FRI FDD 5.77 ±9.6 10937 AAC 5G NR (DFFs-OFDM, 50% RB, 10 MHz, QPSK, 15kHz) 5G NR FRI FDD 5.77 ±9.6 10938 AAC 5G NR (DFFs-OFDM, 50% RB, 15 MHz, QPSK, 15kHz) 5G NR FRI FDD 5.77 ±9.6 10939 AAC 5G NR (DFFs-OFDM, 50% RB, 20 MHz, QPSK, 15kHz) 5G NR FRI FDD 5.82 ±9.6 10940 AAC 5G NR (DFFs-OFDM, 50% RB, 20 MHz, QPSK, 15kHz) 5G NR FRI FDD 5.82 ±9.6 10941 AAC 5G NR (DFFs-OFDM, 50% RB, 20 MHz, QPSK, 15kHz) 5G NR FRI FDD 5.83 ±9.6 10942 AAC 5G NR (DFFs-OFDM, 50% RB, 30 MHz, QPSK, 15kHz) 5G NR FRI FDD 5.83 ±9.6 10943 AAD 5G NR (DFFs-OFDM, 50% RB, 30 MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 ±9.6 10944 AAC 5G NR (DFFs-OFDM, 50% RB, 50 MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 ±9.6 10945 AAC 5G NR (DFFs-OFDM, 50% RB, 50 MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 ±9.6 10946 AAC 5G NR (DFFs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.81 ±9.6 10947 AAC 5G NR (DFFs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.81 ±9.6 10949 AAC 5G NR (DFFs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.85 ±9.6 10949 AAC 5G NR (DFFs-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10949 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10940 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10940 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10940 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10940 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10940 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10940 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10940 AAC 5G NR (DFFs-OFDM, 100% RB, 25MHz, QPS	10935	AAD				
10937 AAC SG NR (PFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15kHz) SG NR FRI FDD 5.77 49.6 10938 AAC SG NR (PFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15kHz) SG NR FRI FDD 5.82 49.6 10940 AAC SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.82 49.6 10941 AAC SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.82 49.6 10942 AAC SG NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.83 49.6 10942 AAC SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15kHz) SG NR FRI FDD 5.83 49.6 10943 AAD SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15kHz) SG NR FRI FDD 5.85 49.6 10944 AAC SG NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.85 49.6 10945 AAC SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.85 49.6 10946 AAC SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.85 49.6 10947 AAC SG NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15kHz) SG NR FRI FDD 5.85 49.6 10948 AAC SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 49.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 49.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 49.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 49.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 49.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 49.6 10940 AAC SG NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 49.6 10951 AAD SG NR (DFT-s-OFDM, 100% RB, 50 MHz, CPSK, 15kHz) SG NR FRI FDD 5.82 49.6 10952 AAA SG NR (DFT-s-OFDM, 100% RB, 50 MHz, CPSK, 15kHz) SG NR FRI FDD 5.82 49.6 10953 AAA SG NR (DFT-s-OFDM, 100% RB, 50 MHz, CPSK, 15kHz) SG NR FRI FDD 5.92 49.6 10954 AAA S	10936	AAC				
10938 AAC SG NR (DFTs-OFDM, 50% RB, 15 MHz, OPSK, 15 kHz) SG NR FRI FDD 5.92 ±9.6	10937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)			
10939 AAC SG NR (DFTs-OFDM, 50% RB, 20 MHz, QPSK, 15kHz) SG NR FRI FDD 5.82 ±9.6	10938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)			
10940 AAC SG NR (DFT-e-OFDM, 50% RB, 25MHz, OPSK, 15KHz) SG NR FR1 FDD 5.89 ±9.6	10939	AAC				
10941 AAC SG NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15kHz) SG NR FR1 FDD 5.83 ±9.6	10940	AAC				
10942 AAC SG NR (DFTs-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz) SG NR FRI FDD 5.85 ±9.6		AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)			
10943 AAD 56 NR (DFTs-OFDM, 50% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.95 ±9.6 10945 AAC 5G NR (DFTs-OFDM, 100% RB, 5MHz, QPSK, 15kHz) 5G NR FRI FDD 5.81 ±9.8 10945 AAC 5G NR (DFTs-OFDM, 100% RB, 5MHz, QPSK, 15kHz) 5G NR FRI FDD 5.83 ±9.6 10946 AAC 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.83 ±9.6 10947 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15kHz) 5G NR FRI FDD 5.83 ±9.6 10948 AAC 5G NR (DFTs-OFDM, 100% RB, 20MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10952 AAA 5G NR D (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10953 AAA 5G NR D (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10953 AAA 5G NR D (DFTs-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10954 AAA 5G NR D (DF-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.25 ±9.6 10955 AAA 5G NR D (DF-OFDM, TM 3.1, 5MHz, 64-QAM, 5kHz) 5G NR FRI FDD 8.42 ±9.6 10955 AAA 5G NR D (DF-OFDM, TM 3.1, 5MHz, 64-QAM, 5kHz) 5G NR FRI FDD 8.42 ±9.6 10955 AAA 5G NR D (DF-OFDM, TM 3.1, 5MHz, 64-QAM, 5kHz) 5G NR FRI FDD 8.42 ±9.6 10955 AAA 5G NR D (DF-OFDM, TM 3.1, 5MHz, 64-QAM, 5kHz) 5G NR FRI FDD 8.42 ±9.6 10956 AAA 5G NR D (DF-OFDM, TM 3.1, 5MHz, 64-QAM, 5kHz) 5G NR FRI FDD 8.42 ±9.6 10956 AAA 5G NR D (DF-OFDM, TM 3.1, 5MHz, 64-QAM, 5kHz) 5G NR FRI FDD 8.41 ±9.6 10956 AAA 5G NR D (DF-OFDM, TM 3.1, 5MHz, 64-QAM, 5kHz) 5G NR FRI FDD 9.30 ±9.6 10956 AAB 5G NR D (DF-OFDM, TM 3.1, 5MHz, 64-QAM, 5kHz) 5G NR FRI TDD 9.30 ±9.6 1		AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD		
10944 AAC 5G NR (DFT-s-OFDM, 100% RB, 5MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.81 ±9.6 10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 10MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.83 ±9.6 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 15MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.83 ±9.6 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.87 ±9.6 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.87 ±9.6 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.87 ±9.6 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.87 ±9.6 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.94 ±9.6 10951 AAC 5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 5.92 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.25 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.23 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.24 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.42 ±9.6 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.42 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.61 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.61 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.61 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.61 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 9.50 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 TDD 9.29 ±9.8 10950 AAC 5G NR DL (CP-OF				5G NR FR1 FDD	5.95	
10946 AAC 5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15KHz) SG NR FRI FDD 5.83 ±9.6 10947 AAC 5G NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 15KHz) 5G NR FRI FDD 5.87 ±9.6 10948 AAC 5G NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz) 5G NR FRI FDD 5.97 ±9.6 10949 AAC 5G NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FRI FDD 5.87 ±9.6 10950 AAC 5G NR (DFT-s-OFDM, 100% RB, 40MHz, QPSK, 15kHz) 5G NR FRI FDD 5.94 ±9.6 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 40MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10951 AAD 5G NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FRI FDD 5.92 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.25 ±9.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.15 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) 5G NR FRI FDD 8.42 ±9.6 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.14 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.14 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.61 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FRI FDD 8.61 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FRI FDD 9.32 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI TDD 9.32 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI TDD 9.32 ±9.6 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI TDD 9.55 ±9.6 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FRI TDD 9.55 ±9.6 10962 AAB 5G NR				5G NR FR1 FDD	5.81	
10947 AAC SG NR (DFT-s-OFDM, 100% RB, 20MHz, QPSK, 15kHz) SG NR FRI FDD 5.87 ±9.6 10948 AAC SG NR (DFT-s-OFDM, 100% RB, 25MHz, QPSK, 15kHz) SG NR FRI FDD 5.94 ±9.6 10949 AAC SG NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz) SG NR FRI FDD 5.94 ±9.6 10950 AAC SG NR (DFT-s-OFDM, 100% RB, 30MHz, QPSK, 15kHz) SG NR FRI FDD 5.94 ±9.6 10951 AAD SG NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.94 ±9.6 10951 AAD SG NR (DFT-s-OFDM, 100% RB, 50MHz, QPSK, 15kHz) SG NR FRI FDD 5.92 ±9.6 10952 AAA SG NR DL (CPO-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.25 ±9.6 10953 AAA SG NR DL (CPO-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.25 ±9.6 10954 AAA SG NR DL (CPO-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.23 ±9.6 10954 AAA SG NR DL (CPO-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.23 ±9.6 10955 AAA SG NR DL (CPO-OFDM, TM 3.1, 15MHz, 64-QAM, 15kHz) SG NR FRI FDD 8.42 ±9.6 10955 AAA SG NR DL (CPO-OFDM, TM 3.1, 20MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.42 ±9.6 10957 AAA SG NR DL (CPO-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.14 ±9.6 10958 AAA SG NR DL (CPO-OFDM, TM 3.1, 10MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.61 ±9.6 10958 AAA SG NR DL (CPO-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.61 ±9.6 10958 AAA SG NR DL (CPO-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.61 ±9.6 10958 AAA SG NR DL (CPO-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) SG NR FRI FDD 8.33 ±9.6 10959 AAA SG NR DL (CPO-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) SG NR FRI TDD 9.32 ±9.6 10964 AAB SG NR DL (CPO-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) SG NR FRI TDD 9.32 ±9.6 10964 AAB SG NR DL (CPO-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) SG NR FRI TDD 9.55 ±9.6 10965 AAB SG NR DL (CPO-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) SG NR FRI TDD 9.56 ±9.6 10964 AAB SG NR DL (CPO-OFDM, TM 3.1, 5MH				5G NR FR1 FDD	5.85	±9.6
10948 AAC 5G NR (DFTs-OFDM, 100% RB, 25MHz, QPSK, 15KHz) 5G NR FR1 FDD 5.94 ±9.6 10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.87 ±9.6 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 30MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.87 ±9.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50MHz, QPSK, 15kHz) 5G NR FR1 FDD 5.94 ±9.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.25 ±9.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 20MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.25 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.25 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 15kHz) 5G NR FR1 FDD 8.26 ±9.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.42 ±9.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.14 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.14 ±9.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.31 ±9.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15MHz, 64-QAM, 30kHz) 5G NR FR1 FDD 8.33 ±9.6 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FR1 FDD 9.32 ±9.6 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FR1 FDD 9.32 ±9.6 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FR1 TDD 9.32 ±9.6 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FR1 TDD 9.32 ±9.6 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FR1 TDD 9.32 ±9.6 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FR1 TDD 9.35 ±9.6 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FR1 TDD 9.55 ±9.6 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FR1 TDD 9.55 ±9.6 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 5MHz, 64-QAM, 50kHz) 5G NR FR1 TDD 9.55 ±						±9.6
10949 AAC 5G NR (DFTs-OFDM, 100% RB, 30 MHz, QPSK, 15 KHz) 10950 AAC 5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 15 KHz) 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 15 KHz) 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 KHz) 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 KHz) 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 KHz) 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 KHz) 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 KHz) 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10950 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10951 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10960 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10963 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10964 AAC 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 KHz) 10967 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10968 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10969 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10969 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 KHz) 10969 AAB 5G NR DL (CP-OFDM, TM 3.1, 15 MH						±9.6
10950 AAC 5G NR (DFTs-OFDM, 100% RB, 40 MHz, QPSK, 15 Hz) 5G NR FR1 FDD 5.94 49.6 10951 AAD 5G NR (DFTs-OFDM, 100% RB, 50 MHz, QPSK, 15 Hz) 5G NR FR1 FDD 5.92 49.6 10952 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.25 49.6 10953 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.15 49.6 10954 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 49.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.23 49.6 10955 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.42 49.6 10956 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.41 49.6 10957 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.31 49.6 10958 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 49.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz) 5G NR FR1 FDD 8.61 49.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.61 49.6 10959 AAA 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 8.61 49.6 10950 AAC 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 FDD 9.32 49.6 10961 AAB 5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.36 49.6 10962 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.30 49.6 10963 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.30 49.6 10963 AAA 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz) 5G NR FR1 TDD 9.37 49.6 10965 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 10 kHz) 5G NR FR1 TDD 9.37 49.6 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 49.6 10966 AAB 5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz) 5G NR FR1 TDD 9.37 49.6 10966 AAB 5G NR DL						±9.6
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10988 AAB SG NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz) SG NR FR1 TDD 9.49 ±9.6 10972 AAB SG NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz) SG NR FR1 TDD 11.59 ±9.6 10973 AAB SG NR (CPT-S-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) SG NR FR1 TDD 9.06 ±9.6 10974 AAB SG NR (CPT-S-OFDM, 1 NB, 100 MHz, QPSK, 30 kHz) SG NR FR1 TDD 10.28 ±9.6 10978 AAA ULLA BDR ULLA 1.16 ±9.6 10979 AAA ULLA BDR ULLA 8.58 ±9.6 10980 AAA ULLA HDR4 ULLA 10.32 ±9.6 10981 AAA ULLA HDR94 ULLA 3.19 ±9.6 10981 AAA ULLA HDR94 ULLA 3.19 ±9.6 10981 AAA ULLA HDR94 ULLA 3.19 ±9.6 10982 AAA ULLA HDR94 ULLA 3.19 ±9.6 10983 AAA ULLA HDR94 ULLA 3.19 ±9.6 10984 AAA ULLA HDR94 ULLA 3.19 ±9.6 10985 AAA ULLA HDR94 ULLA 3.19 ±9.6 10986 AAA ULLA HDR94 ULLA 3.19 ±9.6 10986 AAA ULLA HDR94 ULLA 3.19 ±9.6 10986 AAA ULLA HDR94 ULLA 3.19 ±9.6 10987 AAA ULLA HDR94 ULLA 3.19 ±9.6 10987 AAA ULLA HDR94 ULLA 3.19 ±9.6 10987 AAA ULLA HDR94 ULLA 3.19 ±9.6 10988 AAA			5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)			
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10973 AAB SG NR (DFT-S-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz) SG NR FR1 TDD 9.06 ±9.6 10974 AAB SG NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz) SG NR FR1 TDD 10.28 ±9.6 10978 AAA ULLA BDR ULLA 1.16 ±9.6 10980 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDR94 ULLA 3.19 ±9.6 10981 AAA ULLA HDRP4 ULLA 4.5		_	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)			
10978 AAA ULLA 1.16 ±9.6 10979 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6					9.06	
10978 AAA ULLA BDR ULLA 1.16 ±9.6 10979 AAA ULLA HDR4 ULLA 8.58 ±9.6 10980 AAA ULLA HDR8 ULLA 10.32 ±9.6 10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6					10.28	±9.6
10980 AAA ULLA 10.32 ±9.6 10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6			7,000	ULLA	1.16	
10981 AAA ULLA HDRp4 ULLA 3.19 ±9.6					8.58	±9.6
40000 AAA INIA UDD 0						±9.6
10982 AAA ULLA HDRp8 ULLA 3.43 ±9.6		<u> </u>				
	10982	AAA	ОГГА НПИВ	ULLA	3.43	±9.6

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UID	Rev	Communication System Name	Group	DAD (ID)	. F
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	PAR (dB)	Unc ^E k = 2
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)		9.54	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.52	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.24	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.73	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.51	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 KHz)	5G NR FR1 FDD	8.76	±9.6
11011	AAA	5G NR DL (CR OFDM, TM 3.1, 30 MHZ, 64-QAM, 30 KHZ)	5G NR FR1 FDD	8.95	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11013	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11015	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11016	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		IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
	AAA	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAA	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAA	IEEE 802.11be (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 (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAA	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

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

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System check uncertainty

The uncertainty budget has been determined for the DASY5 measurement system according to the SPEAG documents and is given in the following Table.

Repeatability Budget for System Check

<0.3 to 3 GHz range Body>

Error Description	Uncertainty value ± %	Probability distribution	divisor	(ci)	(ci) 10g	Standard Uncertainty (1g) %	Un	andard certainty g) %
Measurement System	n	•	•				_	
Probe calibration	± 1.8	Normal	1	1	1	± 1.8	±	1.8
Axial isotropy of the probe	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
Spherical isotropy of the probe	± 0.0	Rectangular	√3	1	0	± 0.0	±	0.0
Boundary effects	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
Probe linearity	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
Detection limit	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
Modulation response	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
Readout electronics	± 0.0	Normal	1	1	1	± 0.0	±	0.0
Response time	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
Integration time	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
RF ambient Noise	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
RF ambient Reflections	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
Probe Positioner	± 0.02	Rectangular	√3	1	1	± 0.0	±	0.0
Probe positioning	± 0.4	Rectangular	√3	1	1	± 0.2	±	0.2
Max.SAR Eval.	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
Dipole Related								
Dev. of experimental dipole	± 0.0	Rectangular	√3	1	1	± 0.0	±	0.0
Dipole Axis to Liquid Distance	± 2.0	Rectangular	√3	1	1	± 1.2	±	1.2
Input power and SAR drift meas.	± 3.4	Rectangular	√3	1	1	± 2.0	±	2.0
Phantom and Setup								
Phantom uncertainty	± 4.0	Rectangular	√3	1	1	± 2.3	±	2.3
SAR correction	± 1.9	Rectangular	√3	1	0.84	± 1.1	±	0.9
Liquid conductivity (meas.)	± 5.0	Normal	1	0.78	0.71	± 3.9	±	3.6
Liquid permittivity (meas.)	± 5.0	Normal	1	0.26	0.26	± 1.3	±	1.3
Temp. unc. - Conductivity	± 3.4	Rectangular	√3	0.78	0.71	± 1.5	±	1.4
Temp. unc. - Permittivity	± 0.4	Rectangular	√3	0.23	0.26	± 0.1	±	0.1
Combined Standard	Uncertainte	Ī				1.50		F.C
Combined Standard	-				+	± 5.9	±	5.6
Expanded Uncertain	ty (K=Z)].			0.0	± 11.8	±	11.2

Table of uncertainties are listed for ISO/IEC 17025.

<3 to 6 GHz range Body >

Error Description	Uncertainty value ± %	Probability distribution	divisor	(ci) 1g	(ci) 10g	Standard Uncertainty (1g) %	Standard Uncertaint (10g) %
Measurement System	1					10	•
Probe calibration	± 1.8	Normal	1	1	1	± 1.8	± 1.8
Axial isotropy of the probe	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
Spherical isotropy of the probe	± 0.0	Rectangular	√3	1	0	± 0.0	± 0.0
Boundary effects	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
Probe linearity	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
Detection limit	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
Modulation response	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
Readout electronics	± 0.0	Normal	1	1	1	± 0.0	± 0.0
Response time	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
Integration time	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
RF ambient Noise	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
RF ambient Reflections	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
Probe Positioner	± 0.04	Rectangular	√3	1	1	± 0.0	± 0.0
Probe positioning	± 0.8	Rectangular	√3	1	1	± 0.5	± 0.5
Max.SAR Eval.	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
Test Sample Related	•	,				•	
Dev. of experimental dipole	± 0.0	Rectangular	√3	1	1	± 0.0	± 0.0
Dipole Axis to Liquid Distance	± 2.0	Rectangular	√3	1	1	± 1.2	± 1.2
Input power and SAR drift meas.	± 3.4	Rectangular	√3	1	1	± 2.0	± 2.0
Phantom and Setup					-		
Phantom uncertainty	± 4.0	Rectangular	√3	1	1	± 2.3	± 2.3
SAR correction	± 1.9	Rectangular	√3	1	0.84	± 1.1	± 0.9
Liquid conductivity (meas.)	± 5.0	Normal	1	0.78	0.71	± 3.9	± 3.6
Liquid permittivity (meas.)	± 5.0	Normal	1	0.26	0.26	± 1.3	± 1.3
Temp. unc Conductivity	± 3.4	Rectangular	√3	0.78	0.71	± 1.5	± 1.4
Temp. unc. - Permittivity	± 0.4	Rectangular	√3	0.23	0.26	± 0.1	± 0.1
Combined Standard	Uncertainty	I			Ī	± 5.9	± 5.6
Expanded Uncertaint						± 11.8	± 11.2

Table of uncertainties are listed for ISO/IEC 17025.