MOTOROLA SOL	UTIONS	Iac-mr	STANDARDS MALAYSIA COREDITED SAMM 826	ACCREDITED CERTIFICATE 2518.05
DECLARAT	ION OF CO	MPLIANCE	SAR ASSESSMENT	PCII Report Part 1 of 2
Motorola Solutio	ons Inc.			
EME Test Labo	oratory		Date of Report:	12/12/2024
Motorola Solutions Mal	aysia Sdn Bhd		<b>Report Revision:</b>	D
Plot 2A, Medan Bay	yan Lepas,	alaanta		
Mukim 12 SWD 11900 Bayan La	epas Penang, M	alaysia.		
Deen en sible En sine en	Alfred Heel	Zoon Loon (	Sonion Engineen)	
Responsible Engineer:	Alfred Hoe I	Xean Loon (S	Senior Engineer)	
Date/s Tested.	$10/7/2024_1$	10/2024 1	$0/12/202/_{-}10/13/202/_{-}$	& 10/22/2024-10/24/2024
Manufacturer:	Motorola So	lutions Mala	vsia Sdn Bhd	a 10/22/2027-10/27/2027
Manufacturer Location:	Plot 2A, Me	dan Bayan L	epas Mukim, 12 SWD,	11900 Bayan Lepas, Penang,
	Malaysia		1 , ,	
DUT Description:	Handheld Po	ortable – NE	EXTEX MTP8500Ex,	806-870MHz, BT/GPS/GNSS LKP
Test TX mode(s):	MSPD (66.	67%), SSPI	D(22%), Bluetooth/B	luetooth LE
Max. Power output:	Refer table 3	3		
<b>Tx Frequency Bands:</b>	Refer table 3	3		
Signaling type:	Refer table 3	} 		
Model(s) Tested:	AZHI6UCF	61Z5AN		
Model(s) Certified:	Refer section	1 1.0 Introdu	ction	
(HVIN/PMIN) Seriel Number(s):	002EAD952	1		
Serial Number(s):	902EAB852	4 1/Controllad	Environment	
Classification: Firmware Version(EVIN):	D36 100 100		Environment	
Annlicant Name	Motorola So	lutions Inc		
Applicant Address:	Plot 2A. Me	dan Bavan L	epas. Mukim 12 SWD.	11900 Bayan Lepas, Penang,
	Malaysia		· · · · · · · · · · · · · · · · · · ·	
FCC ID:	AZ489FT58	77		
	This report c	ontains resul	lts that are immaterial f	for FCC equipment approval, which
	are clearly ic	lentified.		
FCC Test Firm Registration	823256			
Number:				
IC:	This report of	08//	Its that are immotorial f	for ISED againment approval
	which are cle	early identifi	ed	or ised equipment approval,
	which are en			
ISED Test Site registration:	24843			
The test results clearly demonstrate	te compliance	with Occupa	ational/Controlled RF I	Exposure limits of 8 W/kg averaged over 1
gram per the requirements of FCC	C 47 CFR § 2.	1093 and RS	S-102 (Issue 6).	
Based on the information and the testing r	esults provided h	erein, the under	signed certifies that when use	ed as stated in the operating instructions supplied, said
product complies with the national and int This report shall not be reproduced withou I attest to the accuracy of the data and assu- pertain only to the device(s) evaluated.	ernational referen ut written approv ume full responsil	nce standards an al from an offici bility for the cor	nd guidelines listed in section ally designated representativ npleteness of these measuren	<ul><li>4.0 of this report (no deviation from standard methods).</li><li>we of the Motorola Solutions Inc EME Laboratory.</li><li>nents. The results and statements contained in this report</li></ul>
			A	
			$\nearrow$	
		/		
	Sa	w Sun Hock	(Approval Signatory	)
		Approved	Date: 12/12/2024	·
		FF=0.00		
Motorola Solutions Inc. EME Form SAD D	nt Per 13.36			Page 1 of 59

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- A Measurement Uncertainty Budget
- B Probe Calibration Certificates
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- D System Verification Check Scans
- E DUT Scans
- F Shorten Scan of Highest SAR Configuration

### Ex7B

- G DUT Test Position Photos
- H DUT, Body worn and audio accessories Photos

# on Comments

**Report Revision History** 

Date	Revision	Comments			
10/29/2024	А	Initial release			
11/26/2024	В	Section 7.1 - Antenna gain information changed			
		Section 6 Table 3 – remove transmission type "TEDS"			
12/04/2024	С	Update cover page Firmware Version (FVIN)			
12/12/2024	D	Update the cover page model tested			

### 1.0 Introduction

This report details the utilization, test setup, test equipment, and test results of the Specific Absorption Rate (SAR) measurements performed at the Motorola Solutions Inc. EME Test Laboratory for handheld portable model number AZH16UCF6TZ5AN. The information herein is to show evidence of Class II Permissive Change compliance based on the SAR evaluation of Refreshing Nextex 800MHz driven by major IC, Javelin, Fall Alert, and recent shortages including MRA parts to ensure continuity of supply for TETRA Nextex 800MHz in the market. This device is classify as Occupational/Controlled Environment and models certified is lists as below:

Models Hardware Version ID Number (HVIN)		Product Marketing Name (PMN)	Description
AZH16UCF6TZ5AN	AZH16UCF6TZ5AN	MTP8500Ex	NEXTEX MTP8500Ex , 806- 870MHz, BT/GPS/GNSS, LKP
AZH17UCH6TZ5AN	AZH17UCH6TZ5AN	MTP8500Ex	NEXTEX MTP8550Ex , 806- 870MHz, BT/GPS/GNSS, FKP

### 2.0 FCC SAR Summary

### Table 1

Equipment Class	Frequency band (MHz)	Max Calc at Body (W/kg)	Max Calc at Face (W/kg)	Max Calc at Head (W/kg)
		1g-SAR	1g-SAR	1g-SAR
TNF	809 - 824 MHz (LMR)	2.00	$0.22^{1}$	$1.55^{2}$
	854 - 869 MHz (LMR)	1.73 <sup>3</sup>	$0.20^{4}$	1.73 <sup>5</sup>
*DSS	2402 – 2480 MHz	N/A	N/A	N/A
**Simultaneous Results		N/A	N/A	N/A

\*\* Results not required per KDB (refer to section 13.3 and 15.0)

#### Note:

- <sup>1 & 2</sup> indicates the new reported SAR value at LMR 809-824MHz. Previous filed reported SAR value at LMR for face & head are 0.10 & 1.35 W/kg.
- <sup>3</sup> indicates the new reported SAR value at LMR 854-869MHz. Previous filed reported SAR value at LMR for body is 1.71 W/kg.
- <sup>4 & 5</sup> indicates the new reported SAR value at LMR 854-869MHz. Previous filed reported SAR value at LMR for face & head are 0.15 & 1.35 W/kg.

### 3.0 Abbreviations / Definitions

BT: Bluetooth CW: Continuous Wave DUT: Device Under Test EME: Electromagnetic Energy FM: Frequency Modulation NA: Not Applicable LMR: Land Mobile Radio PTT: Push to Talk RSM: Remote Speaker Microphone SAR: Specific Absorption Rate TNF: Licensed Non-Broadcast Transmitter Held to Face

Audio accessories: These accessories allow communication while the DUT is worn on the body.

Body worn accessories: These accessories allow the DUT to be worn on the body of the user.

Maximum Power: Defined as the upper limit of the production line final test station

### 4.0 Referenced Standards and Guidelines

This product is designed to comply with the following applicable national and international standards and guidelines.

- Federal Communications Commission, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radio frequency Electromagnetic Fields", OET Bulletin 65, FCC, Washington, D.C.: 1997.
- Institute of Electrical and Electronics Engineers (IEEE) C95.1-2019
- Ministry of Health (Canada) Safety Code 6 (2015), Limits of Human Exposure to Radio frequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz
- RSS-102 (Issue 6) Radio Frequency (RF) Exposure Compliance of Radio communication Apparatus (All Frequency Bands)
- ANATEL, Brazil Regulatory Authority, Resolution No 700 of September 28, 2018 "Approves the Regulation on the Assessment of Human Exposure to Electric, Magnetic and Electromagnetic Fields Associated with the Operation of Radio communication Transmitting Stations.
- IEC/IEEE 62209-1528-2020- Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)
- FCC KDB 643646 D01 SAR Test for PTT Radios v01r03
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 RF Exposure Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06

### 5.0 SAR Limits

	SAR (W/kg)			
EVDOSUDE I IMITS	(General Population /	(Occupational /		
EAI OSOKE LIMITS	Uncontrolled Exposure	<b>Controlled Exposure</b>		
	<b>Environment</b> )	<b>Environment</b> )		
Spatial Average - ANSI -	0.08	0.4		
(averaged over the whole body)				
Spatial Peak - ANSI -	1.6	8.0		
(averaged over any 1-g of tissue)				
Spatial Peak – ICNIRP/ANSI -	4.0	20.0		
(hands/wrists/feet/ankles averaged over 10-g)				
Spatial Peak - ICNIRP -	2.0	10.0		
(Head and Trunk 10-g)				

Table 2

### 6.0 Description of Device Under Test (DUT)

This portable device operates in dispatch, phone and Packet data modes. It uses three digital technologies: PI/4DQPSK, QAM and Time Division Multiple Access (TDMA).

PI/4DQPSK is a modulation technique that transmits information by altering the phase of the radio frequency (RF) signal. Data is converted into complex symbols, which alter the RF signal and transmit the information. When the signal is received, the change in phase is converted back into symbols and then into the original data. The system can accommodate 4-voice / Data channels in the standard 25 kHz channel as used on the two-way radio. The system can accommodate 4- Data channels in the standard 25 kHz or 50 kHz channels as used on the two-way radio. Time Division Multiple Access (TDMA) is used to allocate portions of the RF signal by dividing time into four slots, one for each unit. Time allocation enables each unit to transmit its voice information without interference from other transmitting units. Transmission from a unit or base station is accommodated in time-slot lengths of 15 milliseconds and frame lengths of 60 milliseconds.

The TDMA technique requires sophisticated algorithms and a digital signal processor (DSP) to perform voice compressions/decompressions and RF modulation/demodulation. The radios can be used by transmitting Multi Slot Packed Data (MSPD) with 6:9 (66.67%) with 68:71 (95.8%) duty cycle for data mode. Single Slot Packed Data (SSPD) with 1:4.55 (22%) duty cycles for voice transmission at maximum transmits power.

This device also incorporates Bluetooth which is a Frequency Hopping Spread Spectrum (FHSS) technology. The Bluetooth radio modem is used to wireless link audio accessories. The maximum actual transmission duty cycle is imposed by the Bluetooth standard. The maximum duty cycle for BT is 50%. Simultaneous transmission can occur between the BT and primary transmitter. Refer to section 14.0 Simultaneous Transmission Exclusion.

Table 3 below summarizes the technologies, bands, maximum duty cycles and maximum output powers. Maximum output powers are defined as upper limit of the production line final test station.

Radio Type	Band (MHz)	Transmission	Duty Cycle (%)	Conducted Average Detector Max Power (W)
LMR	806 - 825 ; 851-870	SSPD	22	1.55
LMR	806 - 825 ; 851-870	MSPD	66.67	1.55
BT	2402 - 2480	FHSS	50	0.0063
BTLE	2402 - 2480	FHSS	50	0.0016

Table 3

The intended operating positions are "against the head" in phone mode, "in front of the face" in PTT mode with the DUT at least 2.5cm from the mouth, and "against the body" in data, phone or PTT mode by means of the offered body worn accessories. Body worn audio and PTT operation is accomplished by means of optional remote accessories that are connected to the radio. Operation at the body without an audio accessory attached is possible by means of BT accessories.

### 7.0 Optional Accessories and Test Criteria

This device are offered with optional accessories. All accessories were individually evaluated during the test plan creation to determine if testing was required per the guidelines outlined in section 4.0 assess compliance of these devices. The following sections identify the test criteria and details for each accessory category applicable for this PCII filing only. Detail listing of all approved offered accessories available in the original filing report.

### 7.1 Antennas

Га	bl	le	4
1 a	U	e	4

Antenna No.	Antenna Models	Description	Selected for test	Tested
1	PMAF4019A	Whip Antenna, 806-870MHz, ½ Wave, -2 dBi	Yes	Yes
2	AN000066A01	Bluetooth PIFA Antenna, 2402- 2483.5 MHz, ½ Wave, 2.15dBi	No	No

### 7.2 Battery

Table 5

Battery No.	Battery Models	Description	Selected for test	Tested	Comments
1	NNTN8570C	Impress battery Lithium Ion, IECEX/ATEX IP67 1250T	Yes	Yes	
2	NNTN8570CC	BATTERY PACK,BATT IMPRES LIION IECEX/ATEX IP66/67 1250T	No	No	By similarity to NNTN8570C

### 7.3 Body worn Accessories

Table 6

Body worn No.	Body worn Models	Description	Selected for test	Tested	Comments
1	HLN6602	Universal chest pack	Yes	Yes	

### 7.4 Audio Accessories

None of audio accessory applicable for this PCII filing.

### 8.0 Description of Test System



### DASY5<sup>TM</sup> Test System

### 8.1 Descriptions of Robotics/Probes/Readout Electronics Table 8

Dosimetric System type	System version	DAE type	Probe Type
Schmid & Partner Engineering AG SPEAG DASY 5	52.10.4.1527	DAE4	EX3DV4 (E-Field)

The **DASY5<sup>TM</sup> system** are operated per the instructions in the **DASY5 system** Users Manual. The complete manual is available directly from SPEAG<sup>TM</sup>. All measurement equipment used to assess SAR compliance was calibrated according to ISO/IEC 17025 A2LA guidelines. Section 9.0 presents additional test equipment information. Appendices B and C present the applicable calibration certificates

### 8.2 **Description of Phantom(s)**

#### Table 9

Disco de con Trema		Material	Phantom Dimensions LxWxD	Material Thickness	Support Structure	Loss Tangent
Phantom Type	Phantom(s) Used	200MHz -6GHz	(mm)	( <b>mm</b> )	Material	(wood)
		Er = 3-5,				
Triple Flat	NA	Loss Tangent =	280x175x175			
		≤0.05				
		300MHz -6GHz;			Wood	< 0.05
	,	Er = < 5,	Human	2mm		
SAM	$\checkmark$	Loss Tangent =	Model	+/- 0.2mm		
		≤0.05				
		300MHz -6GHz;				
	,	Er = 4 + - 1,				
Oval Flat	$\checkmark$	Loss Tangent =	600x400x190			
		≤0.05				

### 8.3 Description of Simulated Tissue

The sugar based simulate tissue is produced by placing the correct measured amount of De-ionized water into a large container. Each of the dried ingredients are weighed and added to the water carefully to avoid clumping. If the solution has a high sugar concentration the water is pre-heated to aid in dissolving the ingredients.

The simulated tissue mixture was mixed based on the Simulated Tissue Composition indicated in Table 10. During the daily testing of this product, the applicable mixture was used to measure the Di-electric parameters at each of the tested frequencies to verify that the Di-electric parameters were within the tolerance of the tissue specifications.

### Simulated Tissue Composition (percent by mass)

Ingradiants	835 MHz				
ingretients	Head(1)	Body			
Sugar	N/A	44.9			
Diacetin	N/A	0			
De ionized –	NI/A	53.06			
Water	1N/A	55.00			
Salt	N/A	0.94			
HEC	N/A	1.0			
Bact.	N/A	0.1			

Note: (1) SPEAG provided Motorola proprietary stimulant ingredients.

### 9.0 Additional Test Equipment

The Table below lists additional test equipment used during the SAR assessment.

			Calibration	Calibration Due
Equipment Type	Model Number	Serial Number	Date	Date
SPEAG PROBE	EX3DV4	7486	01/19/2024	01/19/2027
SPEAG DAE	DAE4	684	02/22/2022	02/22/2025
SPEAG DAE	DAE4	1483	10/10/2022	10/10/2025
POWER AMPLIFIER	50W100D	0357646	CNR	CNR
VECTOR SIGNAL GENERATOR	E4438C	MY47272101	11/25/2023	11/25/2024
BI-DIRECTIONAL COUPLER	3020A	40295	06/13/2024	06/13/2025
POWER METER	E4417A	GB41292245	12/09/2023	12/09/2024
POWER METER	E4419B	GB42420608	12/10/2023	12/10/2024
POWER METER	E4412A	US38488023	05/31/2024	05/31/2025
POWER SENSOR	E4412A	US38488023	05/31/2024	05/31/2025
POWER SOURCE	POWERSOURCE1	4320	08/06/2024	08/06/2025
DIGITAL THERMOMETER	PR-10L-4-100-1/4- 6-BX	WNWR037791	01/26/2024	01/26/2025
DATA LOGGER	DSB	16326820	11/26/23	11/26/2024
DATA LOGGER	DSB	16326831	11/26/23	11/26/2024
DATA LOGGER	DSB	16398306	12/31/2023	12/31/2024
THERMOMETER	HH202A	35881	01/17/2024	01/17/2025
TEMPERATURE PROBE	80PK-22	05032017	12/28/2023	12/28/2024
DIELECTRIC ASSESSMENT KIT	DAK-3.5	1156	04/08/2024	04/08/2025
NETWORK ANALYZER	E5071B	MY42403147	06/06/2024	06/06/2025
SPEAG DIPOLE	D835V2	4d029	07/16/2024	07/16/2027
POWER SENSOR	E9301B	MY55210006	02/01/2024	02/01/2025
POWER METER	E4418B	GB40206480	01/15/2024	01/15/2025

### Table 11

### **10.0** SAR Measurement System Validation and Verification

DASY output files of the probe/dipole calibration certificates and system verification test results are included in appendices B, C & D respectively.

### **10.1** System Validation

The SAR measurement system was validated according to procedures in KDB 865664. The validation status summary Table is below.

### Table 12

	Pro	obe	Droho	Measu	red Tissue		Validation	
Dates	Po	int	SN	σ	fr fr	Sensitivity	Linearity	Isotropy
				CV	V	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
14-Aug-2024	Head	835	7486	1.01	53.07	Pass	Pass	Pass
14-Aug-2024	Body	835	7486	0.94	40.80	Pass	Pass	Pass

### **10.2** System Verification

System verification checks were conducted each day during the SAR assessment. The results are normalized to 1W. Appendix D includes DASY plots with the largest deviation from the qualified source SAR target for each dipole (Bold). The Table below summarizes the daily system check results used for the SAR assessment.

Probe Serial #	Tissue Type	Dipole Kit / Serial #	Ref SAR @ 1W (W/kg)	System Check Results Measured (W/kg)	System Check Test Results when normalized to 1W (W/kg)	Tested Date	Deviation (%)
				0.309	0.063	10/09/2024	-0.10
	IEEE/IEC Head		9.79+/-10%	0.293	0.069	10/10/2024	-5.30
				0.301	9.53	10/23/2024	-2.70
7486		SPEAG 835- 4d029e	9.98+/-10% -	0.313	9.91	10/08/2024	-0.80
	FCC	400270		0.300	9.49	10/10/2024@	-4.90
	Body			0.324	10.25	10/22/2024	2.70
				0.314	9.94	10/24/2024	-0.40

Table 13

Note: '@' indicates that system verification check covers next test day

### **10.3** Equivalent Tissue Test Results

Simulated tissue prepared for SAR measurements is measured daily and within 24 hours prior to actual SAR testing to verify that the tissue is within +/-5% of target parameters at the center of the transmit band. This measurement is done using the applicable equipment indicated in section 9.0. The Table below summarizes the measured tissue parameters used for the SAR assessment.

					Dielectric		
Frequency	Tissue	Conductivity	Dielectric	Conductivity	Constant		
(MHz)	Туре	Target (S/m)	Constant Target	Meas. (S/m)	Meas.	<b>Tested Date</b>	
809	FCC Body	0.97	55.3	0.984	53 427	10/24/2024	
007	TCC Dody	(0.92-1.02)	(52.5-58.0)	0.904	55.427	10/24/2024	
	IEC Head	0.90	41.6	0.871	40 514	10/09/2024	
	ILC Houd	(0.81-0.99)	(37.5-45.8)	0.071	10.511	10/07/2021	
	FCC Body	0.97	55.2	0.970	53.437	10/10/2024@	
	100 200J	(0.92-1.02)	(52.5-58.0)	0.770		10,10,202.0	
816.5		0.90	41.6	0.874	40.486	10/09/2024	
	IEC Head	(0.81 - 0.99)	(37.5-45.8)	0.893	40.543	10/10/2024	
		(0.01 0.000)	0.868		38.853	10/23/2024	
	FCC Body	0.97	55.2	1.005	52.848	10/08/2024	
		(0.92-1.02)	02-1.02) (52.5-58.0)			10,00,2021	
824		0.90	41.6	0.876	40.474	10/09/2024	
	IEC Head	(0.81-0.99)	(37.4-45.7)	0.895	40.533	10/10/2024	
		· · · ·	``´´´	0.870	38.832	10/23/2024	
				1.017	52.755	10/08/2024	
	FCC Body	0.97	55.2	0.990	53.257	10/10/2024@	
	1 0 0 2 0 a j	(0.92-1.02)	(52.4-58.0)	1.015	55.361	10/22/2024	
835				1.011	53.148	10/24/2024	
		0.90	41.5	0.880	40.450	10/09/2024	
	IEC Head	(0.81 - 0.99)	(37.4-45.7)	0.899	40.499	10/10/2024	
		(0.01 0.000)	(6711-1617)	0.874	38.797	10/23/2024	
	FCC Body	0.99	55.1	1.038	52 569	10/08/2024	
854	Tee Boay	(0.94-1.04)	(52.4-57.9)	1.020	02.00)	10,00,2021	
	IEC Head	0.93	41.5	0.887	40.408	10/09/2024	
	12011000	(0.84-1.02)	(37.4-45.7)	0.906	40.448	10/10/2024	
	FCC Body	1.00	55.1	1.042	55.120	10/22/2024	
861.5	100 200J	(0.95-1.06)	(52.4-57.9)		001120	10// _0_ 1	
001.0	IEC Head	0.93	41.5	0.890	40.388	10/09/2024	
	12011000	(0.84-1.02)	(37.4-45.7)	0.909	40.428	10/10/2024	
	FCC Body	1.01	55.1	1 049	55 057	10/22/2024	
869	Doug	(0.96-1.06)	(52.3-57.9)	2.012	22.007		
007	IEC Head	0.94	41.5	0.892	40.357	10/09/2024	
		(0.84-1.03)	(37.4-45.7)	0.912	40.405	10/10/2024	

### Table 14

Note: '@' indicates that tissue test result covers next test day (within 24 hours)

### 11.0 Environmental Test Conditions

The EME Laboratory's ambient environment is well controlled resulting in very stable simulated tissue temperature and therefore stable dielectric properties. Simulated tissue temperature is measured prior to each scan to insure it is within  $+/-2^{\circ}C$  of the temperature at which the dielectric properties were determined. The liquid depth within the phantom used for measurements was at least 15cm. Additional precautions are routinely taken to ensure the stability of the simulated tissue such as covering the phantoms when scans are not actively in process in order to minimize evaporation. The lab environment is continuously monitored. The Table below presents the range and average environmental conditions during the SAR tests reported herein:

Та	ble	15

	Target	Measured
	18 – 25 °C	Range: 19.4 – 22.9°C
Ambient Temperature		Avg. 21.22 °C
	19 25 °C	Range: 20.2 – 22.1 °C
Tissue Temperature	18 - 25 C	Avg. 21.4°C
Dalation housi ditertana		la u a a f

Relative humidity target range is a recommended target

The EME Lab RF environment uses a Spectrum Analyzer to monitor for extraneous large signal RF contaminants that could possibly affect the test results. If such unwanted signals are discovered the SAR scans are repeated.

### 12.0 DUT Test Setup and Methodology

### 12.1 Measurements

SAR measurements were performed using the DASY system described in section 8.0 using zoom scans. Oval flat phantoms filled with applicable simulated tissue were used for body and face testing.

The Table below includes the step sizes and resolution of area and zoom scans per KDB 865664 requirements.

Descr	iption	≤ 3 GHz	> 3 GHz			
Maximum distance from close	est measurement point	5 + 1 mm	$\frac{1}{2} \cdot \delta \cdot \ln(2) + 0.5 \text{ mm}$			
(geometric center of probe sen	nsors) to phantom surface	5 ± 1 mm	$72.0 \text{ m}(2) \pm 0.3 \text{ mm}$			
Maximum probe angle from p	robe axis to phantom surface	$30^{\circ} + 1^{\circ}$	$20^{\circ} + 1^{\circ}$			
normal at the measurement loo	cation	00 = 1				
			3 – 4 GHz: ≤ 12			
		≤ 2 GHz: ≤ 15 mm	mm			
		2 – 3 GHz: ≤ 12 mm	4 – 6 GHz: ≤ 10			
			mm			
		When the x or y dimen	sion of the test			
Maximum area scan spatial re	solution: ΔxArea, ΔyArea	device, in the measure	device, in the measurement plane			
		orientation, is smaller than the above, the				
		measurement resolution must be $\leq$ the				
		corresponding x or y dimension of the test				
		device with at least one measurement point				
		on the test device.				
Maximum zoom scan spatial r	resolution: $\Delta x$ Zoom, $\Delta y$ Zoom	≤ 2 GHz: ≤ 8 mm	3 – 4 GHz: ≤ 5 mm*			
		2 – 3 GHz: ≤ 5 mm*	4 – 6 GHz: ≤ 4 mm*			
Maximum zoom scan	uniform grid: $\Delta zZoom(n)$		3 – 4 GHz: ≤ 4 mm			
phantom surface		≤ 5 mm	4 – 5 GHz: ≤ 3 mm			
			5 – 6 GHz: ≤ 2 mm			
Note: $\delta$ is the penetration dept	h of a plane-wave at normal inc	vidence to the tissue mediu	m; see draft standard			
IEEE P1526-2011 IOF details.						
* When zoom scan is requi	red and the reported SAR fro	om the area scan based	1-g SAR estimation			
procedures of KDB 447498 is $\leq$ 1.4 W/kg, $\leq$ 8 mm, $\leq$ 7 mm and $\leq$ 5 mm zoom scan resolution may						

### Table 16

be applied, respectively, for 2 GHz to 3 GHz, 3 GHz to 4 GHz and 4 GHz to 6 GHz.

### **12.2 DUT** Configuration(s)

The DUT is a portable device operational at the body and face as described in section 6.0 while using the applicable accessories listed in section 7.0. All accessories listed in section 7.0 of this report were considered when implementing the guidelines specified in KDB 643646.

### 12.3 DUT Positioning Procedures

The positioning of the device for each body location is described below and illustrated in Appendix G.

### 12.3.1 Body

The DUT was positioned in normal use configuration against the phantom with the offered body worn accessory as well as with and without the offered audio accessories as applicable.

### 12.3.2 Head

The DUT was placed against the right and left heads of the SAM phantom in the cheek touch and  $15^{\circ}$  tilt positions.

### 12.3.3 Face

The DUT was positioned with its' front sides separated 2.5cm from the phantom.

### 12.4 DUT Test Channels

The number of test channels was determined by using the following IEEE 1528 equation. The use of this equation produces the same or more test channels compared to the FCC KDB 447498 number of test channels formula.

$$N_c = 2 * roundup[10 * (f_{high} - f_{low}) / f_c] + 1$$

Where

 $N_c$  = Number of channels  $F_{high}$  = Upper channel  $F_{low}$  = Lower channel  $F_c$  = Center channel

### 12.5 SAR Result Scaling Methodology

The calculated 1-gram averaged SAR results indicated as "Max Calc. 1g-SAR" in the data Tables is determined by scaling the measured SAR to account for power leveling variations and drift. Appendix F includes a shortened scan to justify SAR scaling for drift. For this device the "Max Calc. 1g-SAR" are scaled using the following formula:

 $Max\_Calc = SAR\_meas \cdot 10^{\frac{-Drift}{10}} \cdot \frac{P\_max}{P\_int} \cdot DC$   $P\_max = Maximum Power (W)$   $P\_int = Initial Power (W)$  Drift = DASY drift results (dB)  $SAR\_meas = Measured 1-g Avg. SAR (W/kg)$  DC = Transmission mode duty cycle in % where applicable 50% duty cycle is applied for PTT operation

Note: for conservative results, the following are applied: If P\_int > P\_max, then P\_max/P\_int = 1. Drift = 1 for positive drift

Additional SAR scaling was applied using the methodologies outlined in FCC KDB 865664 using tissue sensitivity values. SAR was scaled for conditions where the tissue permittivity was measured above the nominal target and for tissue conductivity that was measured below the nominal target. Negative or reduced SAR scaling is not permitted.

### 12.6 DUT Test Plan

The guidelines and requirements outlined in section 4.0 were used to assess compliance of this device. All modes of operation identified in section 6.0 were considered during the development of the test plan. For conservative assessment, MSPD 6:9 (66.7%) data transmission was tested for body exposure; SSPD 1:4.55 (22%) phone mode was tested for head exposure and SSPD 1:4.55 (22%) PTT mode was tested for face exposure. A 50% duty cycle was applied to PTT configurations in the final results.

Standalone and simultaneous BT testing were assessed in sections 13.8 and 14.0 per the guidelines of KDB 447498.

### 13.0 DUT Test Data

#### 13.1 Assessments for FCC LMR (809-824MHz & 854-869MHz)

The DUT was assessed at the highest applicable configuration at the body found during the initial compliance assessment on filed with the FCC. SAR plots of the highest SAR results are present in Appendix E.

		Comm	Cabla	Tost Frog	Init	SAR Drift	Meas.	Max Calc.	
Antenna	Battery	Accessory	Accessory	(MHz)	(W)	(dB)	(W/kg)	(W/kg)	Run#
			809 - 8	24MHz					
			Highest Body	Configuration	1				
PMAF4019A	NNTN8570C	HLN6602A	None	824.000	1.44	-0.07	1.67	1.83	MFR(ABE)- AB-241008- 03
	Highest Face Configuration								
PMAF4019A	NNTN8570C	@ front	None	824.0000	1.49	0.06	0.43	0.22	MFR(ABE)- FACE- 241009-11
			Highest Head	Configuration	1				
PMAF4019A	NNTN8570C	None, Tilt	None	809.0000	1.55	0.18	1.50	1.50	ZIQ-LEAR- 241010-03

Table 17

Table 1
---------

		Carry	Cable	Test Frea	Init	SAR Drift	Meas.	Max Calc.	
Antenna	Battery	Accessory	Accessory	(MHz)	(W)	(dB)	(W/kg)	(W/kg)	Run#
	·		854-8	69MHz					
			Highest Body	Configuration	1				
PMAF4019A	NNTN8570C	HLN6602A	ILN6602A None 854.0000 1.46 -0.89 1.33 1.73		1.73	ZIQ-AB- 241008-07			
			Highest Face	Configuration	1				
PMAF4019A	NNTN8570C	@ front	None	869.0000	1.53	0.06	0.37	0.18	MFR(ABE)- FACE- 241009-10
			Highest Head	Configuration	ı				
PMAF4019A	NNTN8570C	None, Tilt	None	854.0000	1.54	-0.59	1.50	1.73	ZIQ-LEAR- 241010-02

### 13.2 Assessments for ISED, Canada LMR (806-824MHz & 851-869MHz)

Based on the assessment results for body and face per KDB643646, additional tests were not required for ISED, Canada frequency range as the testing performed is compliance with the Industry Canada frequency range.

As per ISED Notice 2016-DRS001, additional tests were required the low, mid and high frequency channels for the highest configuration from Body, Face and Head. The SAR results are in table below. SAR plots of the highest result for Body, Face and Head (bolded) are present in Appendix E.

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
			806 - 82	24MHz					
			Body Con	figuration					
				809.0000	1.45	-0.11	1.78	1.95	ZIQ-AB- 241024-03
PMAF4019A	NNTN8570C	HLN6602A	None	816.5000	1.47	0.02	1.63	1.72	ZIQ-AB- 241011- 03@
				824.0000	1.44	-0.07	1.67	1.83	MFR(ABE)- AB-241008- 03

#### Table 19

Antenna	Battery	Carry Accessory	Cable Accessory 806 – 83	Test Freq (MHz) 24MHz	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
			Face Con	figuration					
				809.0000	1.55	0.22	0.41	0.20	ZIQ-FACE- 241023-08
PMAF4019A	NNTN8570C	@ front	None	816.5000	1.56	0.12	0.40	0.20	MFR(ABE)- FACE- 241009-13
				824.0000	1.49	0.06	0.43	0.22	MFR(ABE)- FACE- 241009-11
			Head Cont	figuration					
				809.0000	1.55	0.18	1.50	1.50	ZIQ-LEAR- 241010-03
PMAF4019A	NNTN8570C	None, Tilt	None	816.5000	1.55	0.08	1.36	1.36	ZIQ-LEAR- 241023-10
				824.0000	1.54	-0.01	1.54	1.55	ZIQ-LEAR- 241023-11

### Table 19 (Continued)

### Table 20

		Carry	Cable	Test Frea	Init Pwr	SAR Drift	Meas. 1g-SAR	Max Calc. 1g-SAR	
Antenna	Battery	Accessory	Accessory	(MHz)	(W)	(dB)	(W/kg)	(W/kg)	Run#
			851-86	69MHz					
			Body Con	figuration					
				854.0000	1.46	-0.89	1.33	1.73	ZIQ-AB- 241008-07
PMAF4019A	NNTN8570C	HLN6602A	None	861.5000	1.43	*4.12	1.38	1.50	MFR(ABE)- AB-241022- 08
				869.0000	1.43	*3.67	1.39	1.51	ZIQ-AB- 241022-11
			Face Conf	figuration					
				854.0000	1.54	0.02	0.39	0.20	MFR(ABE)- FACE- 241009-14
PMAF4019A	NNTN8570C	@ front	None	861.5000	1.54	-0.39	0.35	0.19	ZIQ-FACE- 241009-15
				869.0000	1.53	0.06	0.37	0.18	MFR(ABE)- FACE- 241009-10

Note: \* Positive SAR drift would not impact the Max Cal 1g-SAR.

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
			851-86	59MHz					
			Head Con	figuration					
				854.0000	1.54	-0.59	1.50	1.73	ZIQ-LEAR- 241010-02
PMAF4019A	NNTN8570C	70C None, Tilt	None	861.5000	1.52	-0.62	1.05	1.24	ZIQ-LEAR- 241010-07
				869.0000	1.53	0.09	1.58	1.60	ZIQ-LEAR- 241022-03

### Table 20 (Continued)

### **13.3** Assessment at the Bluetooth band

Per guidelines in KDB 447498, the following formula was used to determine the test exclusion for standalone Bluetooth transmitter;

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] \*[ $\sqrt{F}$  (GHz) ] = 1.0, which is  $\leq 3$  for 1-g SAR

### Where:

Max. Power = 3.15mW (6.30mW\*50% duty cycle) Min. test separation distance = 5mm for actual test separation < 5mm F(GHz) = 2.48 GHz

Per the result from the calculation above, the standalone SAR assessment was not required for Bluetooth band. Therefore, SAR results for Bluetooth are not reported herein.

### 14.0 Shortened Scan Assessment

A "shortened" scan using the highest SAR configuration overall from above was performed to validate the SAR drift of the full DASY5<sup>TM</sup> coarse and zoom scans. Note that the shortened scan represents the zoom scan performance result; this is obtained by first running a coarse scan to find the peak area and then, using a newly charged battery, a zoom scan only was performed. The results of the shortened cube scan presented in Appendix F demonstrate that the scaling methodology used to determine the calculated SAR results presented herein are valid. The SAR result from the Table below is provided in Appendix F.

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#
PMAF4019A	NNTN8570C	HLN6602A	None	809.0000	1.45	-0.08	1.71	1.86	ZIQ-AB- 241024-04

### 15.0 Simultaneous Transmission Exclusion for BT

Per guidelines in KDB 447498, the following formula was used to determine the test exclusion to an antenna that transmits simultaneously with other antennas for test distances  $\leq$  50mm:

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] \*[ $\sqrt{F(GHz)/X}$ ] = 0.32W/kg, which is  $\leq 0.4$  W/kg (1g)

Where:

X = 7.5 for 1g-SAR; 18.75 for 10g Max. Power = 3.15mW (6.30mW\*50% duty cycle) Min. test separation distance = 5mm for actual test separation < 5mm F (GHz) = 2.48 GHz

Per the result from the calculation above, simultaneous exclusion is applied and therefore SAR results are not reported herein.

### 16.0 Results Summary

Based on the test guidelines from section 4.0 and satisfying frequencies within FCC bands and ISED Canada Frequency bands, the highest Operational Maximum Calculated 1-gram and 10-gram average SAR values found for this filing:

	Frequency	Max Calc at Body	Max Calc at Face	Max Calc at Head
Designator	band	(W/kg)	(W/kg)	(W/kg)
	(MHz)	1g-SAR	1g-SAR	1g-SAR
		FCC U	JS	
LMR	809-824	2.00	$0.22^{1}$	1.55 <sup>2</sup>
LMR	854-869	1.73 <sup>3</sup>	$0.20^{4}$	1.735
		ISED Car	nada	
LMR	806-824	2.00	$0.22^{6}$	1.557
LMR	851-869	1.73 <sup>8</sup>	$0.20^{9}$	$1.73^{10}$

#### Table 22

All results are scaled to the maximum output power.

#### Note:

- <sup>1 & 2</sup> indicates the new reported SAR value at LMR 809-824MHz. Previous filed reported SAR value at LMR for face & head are 0.10 & 1.35 W/kg.
- <sup>3</sup> indicates the new reported SAR value at LMR 854-869MHz. Previous filed reported SAR value at LMR for body is 1.71 W/kg.
- <sup>4 & 5</sup> indicates the new reported SAR value at LMR 854-869MHz. Previous filed reported SAR value at LMR for face & head are 0.15 & 1.35 W/kg.
- <sup>6 & 7</sup> indicates the new reported SAR value at LMR 806-824MHz. Previous filed reported SAR value at LMR for face & head are 0.10 & 1.35 W/kg.
- <sup>8</sup> indicates the new reported SAR value at LMR 851-869MHz. Previous filed reported SAR value at LMR for body is 1.71 W/kg.
- <sup>9 & 10</sup> indicates the new reported SAR value at LMR 851-869MHz. Previous filed reported SAR value at LMR for face
   & head are 0.15 & 1.35 W/kg.

The test results clearly demonstrate compliance with FCC/ISED Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of FCC 47 CFR § 2.1093 and ISED RSS-102 (Issue 6).

### 17.0 Variability Assessment

Per the guidelines in KDB 865664 SAR variability assessment is not required because SAR results are below 4.0W/kg (Occupational).

### **18.0** System Uncertainty

A system uncertainty analysis is not required for this report per KDB 865664 because the highest report SAR value for Occupational exposure is less than 7.5W/kg.

Per the guidelines of ISO/IEC 17025 a reported system uncertainty is required and therefore measurement uncertainty budget is included in Appendix A.

### Appendix A

### Measurement Uncertainty Budget

### Uncertainty Budget for System Validation: 800 - 3000 MHz

				ρ =			h = c x f/	i = c r a / c	
a	Ь	с	d	f(d,k)	f	g	e	e	k
	IEEE	Tol. (±	Prob.		Çi	Çi	l g	10 g	
Uncertainte Commencent	section	%)	Dist.	Div	(1 g)	(10 g)	<u>ui</u>		
Measurement System				DIV.			(±%)	(±%)	vi
Probe Calibration	E.2.1	5.9	N	1.00	1	1	5.9	5.9	
Axial Isotropy	E.2.2	4.7	R	1.73	1	1	2.7	2.7	00
Spherical Isotropy	E.2.2	9.6	R	1.73	0	0	0.0	0.0	00
Boundary Effect	E.2.3	1.0	R	1.73	1	1	0.6	0.6	00
Linearity	E.2.4	4.7	R	1.73	1	1	2.7	2.7	00
System Detection Limits	E.2.5	1.0	R	1.73	1	1	0.6	0.6	œ
Readout Electronics	E.2.6	0.3	N	1.00	1	1	0.3	0.3	œ
Response Time	E.2.7	1.1	R	1.73	1	1	0.6	0.6	00
Integration Time	E.2.8	0.0	R	1.73	1	1	0.0	0.0	00
RF Ambient Conditions - Noise	E.6.1	3.0	R	1.73	1	1	1.7	1.7	00
RF Ambient Conditions - Reflections	E.6.1	0.0	R	1.73	1	1	0.0	0.0	00
Probe Positioner Mechanical Tolerance	E.6.2	0.4	R	1.73	1	1	0.2	0.2	œ
Probe Positioning w.r.t. Phantom	E.6.3	1.4	R	1.73	1	1	0.8	0.8	80
Max. SAR Evaluation (ext., int., avg.)	E.5	3.4	R	1.73	1	1	2.0	2.0	80
Dipole									
Dipole Axis to Liquid Distance	8, E.4.2	2.0	R	1.73	1	1	1.2	1.2	00
Input Power and SAR Drift			_						
Measurement	8, 6.6.2	5.0	R	1.73	1	1	2.9	2.9	00
Phantom and Tissue Parameters	T a f	1.0		1.70					
Phantom Uncertainty	E.3.1	4.0	R	1.73	1	1	2.3	2.3	00
Liquid Conductivity (target)	E.3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	00
Liquid Conductivity (measurement)	E.3.3	3.3	R	1.73	0.64	0.43	1.2	0.8	00
Liquid Permittivity (target)	E.3.2	5.0	R	1.73	0.6	0.49	1.7	1.4	00
Liquid Permittivity (measurement)	E.3.3	1.9	R	1.73	0.6	0.49	0.6	0.5	00
Combined Standard Uncertainty			RSS				9	9	99999
(95% CONFIDENCE LEVEL)			<i>k</i> =2				18	17	

Notes for uncertainty budget Tables:

a) Column headings a-k are given for reference.

b) Tol. - tolerance in influence quantity.

c) Prob. Dist. – Probability distribution

d) N, R - normal, rectangular probability distributions

e) Div. - divisor used to translate tolerance into normally distributed standard uncertainty

f) ci - sensitivity coefficient that should be applied to convert the variability of the uncertainty component into a variability of SAR.

g) ui – SAR uncertainty

h) vi - degrees of freedom for standard uncertainty and effective degrees of freedom for the expanded uncertainty

### Uncertainty Budget for Device Under Test: 800 – 3000 MHz

							<i>h</i> =	<u>i</u> =	
				e =			c x f /	cxg/	
a	b	с	d	f(d,k)	f	g	е	е	k
	IEEE	Tol. (±	Prob.		Çi	<u>ç</u> i (10	l g	10 g	
	1528	%)	Dist		(1 g)	g)	<u>Ui</u>	<u>U</u> i	
Uncertainty Component	section			Div.			(±%)	(±%)	vi
Measurement System									
Probe Calibration	E.2.1	5.9	N	1.00	1	1	5.9	5.9	œ
Axial Isotropy	E.2.2	4.7	R	1.73	0.707	0.707	1.9	1.9	8
Hemispherical Isotropy	E.2.2	9.6	R	1.73	0.707	0.707	3.9	3.9	œ
Boundary Effect	E.2.3	1.0	R	1.73	1	1	0.6	0.6	œ
Linearity	E.2.4	4.7	R	1.73	1	1	2.7	2.7	8
System Detection Limits	E.2.5	1.0	R	1.73	1	1	0.6	0.6	8
Readout Electronics	E.2.6	0.3	N	1.00	1	1	0.3	0.3	œ
Response Time	E.2.7	1.1	R	1.73	1	1	0.6	0.6	8
Integration Time	E.2.8	1.1	R	1.73	1	1	0.6	0.6	8
RF Ambient Conditions - Noise	E.6.1	3.0	R	1.73	1	1	1.7	1.7	8
RF Ambient Conditions -									
Reflections	E.6.1	0.0	R	1.73	1	1	0.0	0.0	80
Probe Positioner Mech. Tolerance	E.6.2	0.4	R	1.73	1	1	0.2	0.2	œ
Probe Positioning w.r.t Phantom	E.6.3	1.4	R	1.73	1	1	0.8	0.8	œ
Max. SAR Evaluation (ext., int.,			_						
avg.)	E.5	3.4	R	1.73	1	1	2.0	2.0	00
Test sample Related								_	
Test Sample Positioning	E.4.2	3.2	N	1.00	1	1	3.2	3.2	29
Device Holder Uncertainty	E.4.1	4.0	N	1.00	1	1	4.0	4.0	8
SAR drift	6.6.2	5.0	R	1.73	1	1	2.9	2.9	8
Phantom and Tissue Parameters									
Phantom Uncertainty	E.3.1	4.0	R	1.73	1	1	2.3	2.3	œ
Liquid Conductivity (target)	E.3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	8
Liquid Conductivity (measurement)	E.3.3	3.3	N	1.00	0.64	0.43	2.1	1.4	8
Liquid Permittivity (target)	E.3.2	5.0	R	1.73	0.6	0.49	1.7	1.4	œ
Liquid Permittivity (measurement)	E.3.3	1.9	N	1.00	0.6	0.49	1.1	0.9	8
Combined Standard Uncertainty			RSS				11	11	411
Expanded Uncertainty (95% CONFIDENCE LEVEL)			<i>k</i> =2				22	22	

Notes for uncertainty budget Tables:

a) Column headings a-k are given for reference.

b) Tol. - tolerance in influence quantity.

c) Prob. Dist. - Probability distribution

d) N, R - normal, rectangular probability distributions

e) Div. - divisor used to translate tolerance into normally distributed standard uncertainty

f) ci - sensitivity coefficient that should be applied to convert the variability of the uncertainty component into a variability of SAR.

g) ui - SAR uncertainty

h) vi - degrees of freedom for standard uncertainty and effective degrees of freedom for the expanded uncertainty

### Appendix B

### **Probe Calibration Certificates**

ccredite he Swis luttBater	astrasse 43, 8004 Zur d by the Swiss Accre as Accreditation Ser ral Agreement for th	ich, Switzerland ditation Service (SAS) vice is one of the signato re recognition of calibratio	ries to the EA	A	occreditation N	lo.: SCS 0108
lient	Motorola So Bayan Lepas, M	lutions alaysia	Cert	ificate No.	EX-7594_D	lec23
CAL	IBRATION C	ERTIFICATE				
Object		EX3DV4 - SN:75	594			
Calibral	tion procedure(s)	QA CAL-01.v10 QA CAL-25.v8 Calibration proce	, QA CAL-12.v10, C edure for dosimetric	QA CAL-14.v7	7, QA CAL-2 95	23.v6,
Calibral	tion date	December 07, 2	023			
This cal The me All calib Calibral	libration certificate do assurements and the prations have been co tion Equipment used	cuments the traceability to r uncertainties with confidence inducted in the closed labors (M&TE critical for calibration	national standards, which e probability are given on atory facility: environment i)	realize the physic the following pag- temperature (22 :	al units of meas es and are part ±3) °C and humi	surements (SI). of the certificate. idity < 70%.
This cal The me All calib Calibrat	libration certificate do assurements and the prations have been co tion Equipment used Standards	cuments the traceability to uncertainties with confidence inducted in the closed labora (M&TE critical for calibration	national standards, which e probability are given on alory facility: environment ) Cail Date (Certificate	realize the physic the following pag- temperature (22 -	al units of meas es and are part ± 3) *C and humi	urements (SI), of the certificate, idity < 70%,
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Schweizerischer Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

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

#### Glossary

TSL	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 $\varphi$	φ rotation around probe axis
Polarization $\vartheta$	∂ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., ∂ = 0 is normal to probe axis
Connector Angle	information used in DASY system to align probe sensor X to the robot coordinate system

#### Calibration is Performed According to the Following Standards:

- a) IEC/IEEE 62209-1528, "Measurement Procedure For The Assessment Of Specific Absorption Rate Of Human Exposure To Radio Frequency Fields From Hand-Held And Body-Worn Wireless Communication Devices – Part 1528: Human Models, Instrumentation And Procedures (Frequency Range of 4 MHz to 10 GHz)", October 2020.
- b) 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 E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z \* frequency\_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal. DCP does not depend on frequency nor media.
- · PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics
- Ax,y,z; Bx,y,z; Cx,y,z; Dx,y,z; VRx,y,z; A, B, C, D are numerical linearization parameters assessed based on the data of
  power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum
  calibration range expressed in RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f ≤ 800MHz) and inside waveguide using analytical field distributions based on power measurements for f > 800MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx, y,z \* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from ±50 MHz to ±100 MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom exposed by a patch antenna.
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- · Connector Angle: The angle is assessed using the information gained by determining the NORIMX (no uncertainty required).

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#### EX3DV4 - SN:7594

#### Parameters of Probe: EX3DV4 - SN:7594

#### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm (µV/(V/m) <sup>2</sup> ) A	0.65	0.62	0.60	±10.1%
DCP (mV) B	106.1	104.2	106.6	±4.7%

#### **Calibration Results for Modulation Response**

UID	Communication System Name		A dB	B dBõV	C	D dB	VR mV	Max dev.	Max Unc <sup>E</sup> k = 2	
0	CW	X	0.00	0.00	1.00	0.00	150.3	±3.0%	±4.7%	
	1000	Y	0.00	0.00	1.00	Samuel	158.8	13/202257811	C 58483 158	
		Z	0.00	0.00	1.00	1	142.8			
10352	Pulse Waveform (200Hz, 10%)	X	1.45	60.32	5.97	10.00	60.0	±3.2%	±9.6%	
		Y	1.47	60.30	5.94	10	60.0			
		Z	12.00	74.00	11.00		60.0			
10353	Pulse Waveform (200Hz, 20%)	X	0.83	60.00	4.76	6.99	80.0	±2.5%	±9.6%	
	$T_{2} = -27$	Y	0.81	60.00	4.41	1.000	80.0	1062304	10110125	
		Z	0.83	60.00	4.77	1	80.0	i		
10354	Pulse Waveform (200Hz, 40%)	X	0.48	60.00	3.55	3.98	95.0	±2.7%	±9.6%	
	Contract of Academic Research and Contract and Academic State Pro-	Y	0.00	129.20	0.23		95.0	1	17536-12523.0	
		Z	0.27	151.60	1.62		95.0	·		
10355	Pulse Waveform (200Hz, 60%)	X	0.45	60.00	2.53	2.22	120.0	±1.8%	±9.6%	
		Y	0.82	159.97	2.09		120.0			
		Z	7.16	159.99	23.35	i i	120.0	1		
10387	QPSK Waveform, 1 MHz	X	2.81	91.62	24.86	1.00	150.0	±4.0%	±4.0%	±9.6%
		Y	0.62	65.75	13.13	100722	150.0		12200103	
		Z	0.46	62.85	12.03	· · · · ·	150.0			
10388	QPSK Waveform, 10 MHz	X	2.12	74.20	18.43	0.00	150.0	±1.6%	±9.6%	
		Y	1.42	66.83	14.43	6	150.0			
	· · · · · · · · · · · · · · · · · · ·	Z	1.25	65.82	13.65	(* i	150.0			
10396	64-QAM Waveform, 100 kHz	X	1.95	67.97	18.40	3.01	150.0	±1.3%	±9.6%	
	CONTRACTOR SCIENCE	Y	1.71	65.26	16.71	0.20825315	150.0	1122233	10000000	
		Z	1.66	64.56	16.05	S	150.0			
10399	64-QAM Waveform, 40 MHz	X	3.08	68.31	16.50	0.00	150.0	+2.5%	±9.6%	
	Contractive and the second s	Y	2.88	66.57	15.32	Contraction of the second	150.0			
	Page	Z	2.72	66.21	15.00		150.0	1		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	4.01	67.23	16.19	0.00	150.0	±4.1%	±9.6%	
		Y	3.88	66.13	15.44	1.22.55	150.0	1.0000	10100	
		Z	3.78	66.50	15.41		150.0	· · · · ·		

Note: For details on UID parameters see Appendix

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

<sup>A</sup> The uncertainties of Norm X, Y,Z do not affect the E<sup>2</sup>-field uncertainty inside TSL (see Pages 5 and 6).
 <sup>B</sup> Linearization parameter uncertainty for maximum specified field strength.
 <sup>E</sup> 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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#### Parameters of Probe: EX3DV4 - SN:7594

#### Sensor Model Parameters

	C1 (F	C2 fF	α V <sup>-1</sup>	T1 msV <sup>-2</sup>	T2 ms V <sup>-1</sup>	T3 ms	T4 V-2	T5 V-1	T6
X	9.8	70.35	33.40	5.09	0.00	4.90	0.59	0.00	1.00
y	10.3	75.93	34.64	1.41	0.00	4.90	0.35	0.00	1.01
z	8.5	60.86	32.81	3.62	0.00	4,90	0.41	0.00	1.00

#### **Other Probe Parameters**

Sensor Arrangement	Triangular
Connector Angle	-54.8°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	mm 9
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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#### Parameters of Probe: EX3DV4 - SN:7594

#### Calibration Parameter Determined in Head Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>F</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
150	52.3	0.76	13,97	13.97	13.97	0.00	1.00	±13.3%
300	45.3	0.87	12.71	12.71	12.71	0.09	1.00	±13.3%
450	43.5	0.87	12.00	12.00	12.00	0.16	1.30	±13.3%
750	41.9	0.89	10.10	10.10	10.10	0.48	0.86	±12.0%
835	41.5	0.90	9.77	9.77	9.77	0.35	1.03	±12.0%
900	41.5	0.97	9.68	9.68	9.68	0.38	0.92	±12.0%
1450	40.5	1.20	9.46	9.46	9.46	0.51	0.80	±12.0%
1810	40.0	1.40	9.03	9.03	9.03	0.31	0.86	±12.0%
1900	40.0	1.40	8.25	8.25	8.25	0.38	0.86	±12.0%
2100	39.8	1.49	8.22	8.22	8.22	0.33	0.86	±12.0%
2300	39.5	1.67	7.87	7.87	7.87	0.40	0.90	±12.0%
2450	39.2	1.80	7.52	7.52	7.52	0.37	0.90	±12.0%
2600	39.0	1.96	7.50	7.50	7.50	0.36	0.90	±12.0%
3500	37.9	2.91	6.78	6.78	6.78	0.30	1.30	±14.0%
3700	37.7	3.12	6.71	6.71	6.71	0.30	1.30	±14.0%
5250	35.9	4.71	5,25	5.25	5.25	0.40	1.80	±14.0%
5500	35.6	4.96	4,79	4.79	4.79	0.40	1.80	±14.0%
5600	35.5	5.07	4.64	4.64	4.64	0.40	1.80	±14.0%
5750	35.4	5.22	4.85	4.85	4.85	0.40	1.80	±14.0%

C Frequency validity above 300 MHz of ±100 MHz only applies tor 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 ±100 MHz. The probes are calibrated using tissue simulating liquids (TSU) that deviations from the target of less than ±5% from the target values (typically better than ±3%) and are valid for TSL with deviations of up to ±10%. It TSL with deviations from the target of less than ±5% site used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 8 GHz.

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

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EX3DV4 - SN:7594

#### Parameters of Probe: EX3DV4 - SN:7594

#### Calibration Parameter Determined in Body Tissue Simulating Media

f (MHz) <sup>C</sup>	Relative Permittivity <sup>F</sup>	Conductivity <sup>#</sup> (S/m)	ConvF X	ConvF Y	ConvF Z	Alpha <sup>G</sup>	Depth <sup>G</sup> (mm)	Unc (k = 2)
150	61.9	0.80	13.67	13.67	13.67	0.00	1.00	±13.3%
300	58.2	0.92	12.63	12.63	12.63	0.02	1.35	±13.3%
450	56.7	0.94	12.26	12.26	12.26	0.11	1.20	±13.3%
750	55.5	0.96	10.19	10.19	10.19	0.44	0.90	±12.0%
835	55.2	0.97	10.01	10.01	10.01	0.47	0.80	±12.0%
900	55.0	1.05	9.81	9.81	9.81	0.47	0.82	±12.0%
1450	54.0	1.30	8.69	8.69	8.69	0.30	0.80	±12.0%
1810	53.3	1.52	8.06	8.06	8.06	0.43	0.86	±12.0%
1900	53.3	1.52	8.02	8.02	8.02	0.37	0.86	±12.0%
2100	53.2	1.62	8.00	8.00	8.00	0.40	0.86	±12.0%
2300	52.9	1.81	7.86	7.86	7.86	0.41	0.90	±12.0%
2450	52.7	1.95	7.73	7.73	7.73	0.39	0.90	±12.0%
2600	52.5	2.16	7.54	7,54	7.54	0.41	0.90	±12.0%
3500	51.3	3.31	6.48	6.48	6.48	0.35	1.35	±14.0%
3700	51.0	3.55	6.41	6.41	6.41	0.35	1.35	±14.0%
5250	48.9	5.36	4.56	4.56	4.56	0.50	1.90	±14.0%
5500	48.6	5.65	4.12	4.12	4.12	0.50	1.90	±14.0%
5600	48.5	5.77	3.96	3.96	3.96	0.50	1.90	±14.0%
5750	48.3	5.94	4.03	4.03	4.03	0.50	1.90	±14.0%

<sup>C</sup> 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 Correl uncertainty at calibration trequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is ±10, 25, 40, 50 and 70 MHz for Correl assessments at 30, 64, 128, 150 and 220 MHz respectively. Validity of Corve assessed at 8 MHz is 9–19 MHz. Above 5 GHz frequency validity can be extended to ± 100 MHz. The probes are calibrated using fiscue simulating liquids (TSL) that deviations from the target of isss than ±5% from the target values (typically below 100 MHz is 1–9 MHz, and Corve assessed at 3 MHz is 0–19 MHz. Above 5 GHz frequency validity can be extended to ± 100 MHz. The probes are calibrated using fiscue simulating liquids (TSL) that deviations from the target of isss than ±5% from the target values (typically below 100 MHz is 0–100 MHz. and are valid for TSL with deviations of up to ±10%. It TSL with deviations from the target of isss than ±5% are used, the calibration uncertainties are 11.1% for 0.7 - 3 GHz and 13.1% for 3 - 6 GHz.

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

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

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### Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> $k = 2$
0	male	CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	+9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	+9.6
10013	CAB	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	+9.6
10024	DAG	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	+9.8
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	+96
10030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.90	19.6
10031	CAA	IEEE 802 15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	+96
10032	CAA	IEEE 802.15.1 Bhantooth (GESK, DH5)	Bluetooth	1.6r	10.0
10033	CAA	IEEE 802 15 1 Bustooth (Pt/A-DOPSK, DH1)	Dissionity	7.74	10.0
10034	CAA	IFFF 802 15 1 Bustooth / PI4LOOPSK, DH9V	Distort	1.04	19.6
10035	CAA	JEEE 802.15.1 Burdooth (Pl/4-DOBSK_DUS)	Obstach	9,03	28.6
10036	CAA	IFEE 802 15 1 Bluetooth /8-DPSK_DH1	enuosodh	3.83	#8.0
10037	CAA	IEEE 802 15 1 Bluebook /8-DPSK DUg	Bluetooth	0.01	±9.6
10030	CAA	IEEE 802 15 1 Bluetouth (2 DPSY, 0H5)	Bluetoosh	4,77	±9,6
10030	CAR	COM42000 (1+077 DCD	Bluebooth	4.10	±9.6
10049	CAD	IS 54 (19 199 EDD //DAA/EDA DUA DODON 11 A 11	CDMA2000	4,57	±9.6
10042	CAA	IS SHITLA THAT IS FOR TON (TOMPTON, PW-DUPSK, Halfrate)	AMPS	7.78	19.6
10044	CAA	D-ST/EW1W-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAM	DECT (TDO, TDMA/FDM, GFSK, Full Sidt, 24)	DECT	13.80	±9,6
10049	CAA	DEC1 (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10,79	±9.6
10056	CAA	UMTS-TDD (TD-SCOWA, 1.28 Mops)	TD-SCDMA	11.01	±9.6
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	GSM	6.62	±9.6
10.059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
10062	CAD	IEEE 802,11a/h WIFI 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	8.63	±9.6
10064	CAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 12 Mbps)	WLAN	9.09	±9.6
10065	CAD	IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h 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
10.068	CAD	IEEE 802.11a/h WIFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10:069	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)	WEAN	11.00	±9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4,77	+9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	+9.6
10:097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	+96
10098	CAC	UMTS-FDD (HSUPA, Sublest 2)	WCDMA	3.98	19.6
10:099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	2.55	+96
10100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	ITE-FDD	5.67	+9.6
10101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	10.0
10102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LITE-EDD	6.60	+9.6
10103	CAH	LTE-TDD (SC-FOMA, 100% RB, 20 MHz, OPSK)	LITE, TOD	0.00	+0.0
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 18-QAM)	LITE-TOD	9.07	+0.6
10105	CAH	LTE-TOD (SC-FOMA, 100% RB, 20MHz, 64-CAM)	LITE TOD	10.01	10.0
10108	CAH	LTE-FDD (SC-FDMA, 100% RR, 10MHz, OPSK)	175.500	10.01	10,0
10100	CAH	LTE-FDD (SC-FDMA 100% RB 10MHz 16-CAM)	175.500	8.60	18,0
10108-1		The second	I FIELPD	0.93	20.0
10105	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, OPSK)	LTE-EDD	6 75	+0.0

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10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 84-QAM)	LTE-FDO	6.59	±9.6
10113	CAH	LTE-FOD (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	19.6
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	19.6
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	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	8.13	±9.6
10140	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.49	+9.6
10141	CAF	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDO	6.53	19.6
10142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDO	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-FDO	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	19.6
10150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	+9.6
10151	CAH	LTE-TOD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	19.6
10152	GAH	LTE-TOD (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-TOD	10.05	±9.6
10154	CAH	LTE-FDD (SC-FDMA, 50% AB, 10 MHz, QPSK)	LTE-FDD	5.75	+8.6
10155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	=9.6
10157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	+9.6
10158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	+9.6
10159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.66	+9.6
10160	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, OPSK)	LTE-FDD	5.82	+9.8
0161	CAF	LTE-FDD (SC-FDMA, 50% RB, 16 MHz, 16-QAM)	LTE-FDD	6.43	+9.6
10162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	+9.6
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	+9.6
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.21	+9.8
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	ITE-FDD	6.79	+9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, OPSK)	LTE-FOD	5.73	49.6
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, 84-QAM)	LTE-FDD	6.49	+9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TOD	9.21	49.6
10173	CAH	LTE-TDD (SC-FDMA, 1 BB, 20 MHz, 16-QAM)	LTE-TDD	9.49	+9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TOD	10.25	+9.6
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	+9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-DAM)	ITE-EDD	8.52	19.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5MHz, OPSK)	LTE-EDD	5.73	+96
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 18-QAM)	LTE-EDD	6.52	19.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10MHz, 64-QAM)	ITEEDO	6.50	10.0
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 84-QAM)	LTE-EDD	6.50	19.6
10181	CAF	LTE-FDD (SC-FDMA, 1 8B, 15 MHz, OPSK)	ITE-EDD	5.70	10.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 18-QAM)	LTE-EDD	6.52	10.0
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LITE-EDD	6.50	10.0
10184	CAF	LTE-FDO (SC-FDMA, 1 RB, 3 MHz, OPSK)	LITE-EDO	6.00	18.0
0165	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16 GAM)	ITEEDO	8.51	10.6
0186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	ITE-EDO	6.50	+0.6
0187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1,4 MHz, CPSK)	LITEEDO	5.79	10.0
0188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-EDO	6.82	=0.0
0189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, 64-OAM)	LITE-EDD	8.60	20.6
0193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Minus, RPSK)	UI AN	8.00	+0.0
0194	CAD	IEEE 802,11n (HT Greenfield, 39 Mbos, 16 QAM)	WI AN	8.10	10.0
0195	CAD	IEEE 802, 11n (HT Greenfield, 65 Mbos, 64-OAM)	UII AM	0.16	10.0
0196	CAD	IEEE 802 11n (HT Mixed, 6.5 Mbns, 8PSK)	WIAN	8.40	10.6
0197	CAD	IEEE 802,11n (HT Mixed, 39 Mbos, 16-OAM)	WIAN	0.10	10.0
0198	CAD	IEEE 802,11n (HT Mixed, 66 Mbps, 64 OAM)	100 AA	8.13	19.6
0219	CAD	IEEE 802,11n (HT Mixed, 7,2 Mixes, RPSIC)	WLAN	0.67	±9.6
0220	CAD	IEEE 802 11n /HT Mixed 43 3 Mixes 15 /0446	WEAN	8.03	19.6
0221	CAD	IEEE 802.11n /HT Mixed 72.2 Mixes 64.0444	SVL/VN	8.13	±9.6
0222	CAD	IFFE 802.11n OFT Mixed 15Mbns 0PSK1	ANI ANI	8.27	19.6
0223	CAD	IEEE 802 11n (HT Mixed 90 Mixes 16 OAM)	WLAN	8.06	±8.6
0224	CAD	IEEE 802 11n (HT Mixed, 150 Mixes, 64 (1444)	WLWI AN	8.48	19.6
- 10.7	2010	mana sour fill (fill mixed, for mops, be-chen)	WLAN	8.08	±9.6

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UID	Rov	Communication System Name	Group	PAR (dB)	Ung <sup>E</sup> k = 2
10225	CAC	UMTS-FDD (HSPA+)	WCDMA	5.97	±9.6
10226	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	+9.6
10227	CAC	LTE-TDD (SC-FDMA, 1 RB, 1.4MHz, 64-QAM)	LTE-TDD	10.26	19.6
10228	CAC	LTE-TDD (SC-FDMA, 1 FIB. 1.4 MHz, QPSK)	LTE-TOD	9.22	+9.6
10229	CAE	LTE-TDD (SC-FDMA, 1 RB, 3MHz, 16-QAM)	LTE-TDD	9.48	19.6
10230	CAE	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, 84-QAM)	LTE-TDD	10.25	19.6
10231	CAE	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.19	±9.6
10232	CAH	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	9.48	19.6
10233	CAH	LTE-TOD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDO	10.25	+9.6
10234	CAH	LTE-TDD (SC-FDMA, 1 R8, 5 MHz, QPSK)	LTE-TDD	9.21	19.6
10235	CAH	LTE-TOD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDO	9.48	±9.6
10236	CAH	LTE-TDD (SC-FDMA, 1 R8, 10 MHz, 64-QAM)	LTE-TDD	10.25	+9.6
10237	CAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDO	9.21	+9.6
10238	CAG	LTE-TDD (SC-FDMA, 1 R8, 15 MHz, 16-QAM)	LTE-TDO	9.48	19.6
10239	CAG	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-TDO	10.25	+9.6
10240	CAG	LTE-TOD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-TDD	9.21	+9.6
10241	CAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.82	+9.6
10242	CAC	LTE-T00 (SC-FDMA, 50% RB, 1.4 MHz, 64-DAM)	ITE-TOO	9.86	+9.6
10243	CAC	LTE-TDD (SC-EDMA 50% BB 1.4 MHz OPSIG	LTE-TDO	9.45	19.6
10244	CAE	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDO	10.06	+9.5
10245	CAE	LTE-TOD (SC-EDMA 50% BB 3MHz 64-QAM)	LITE-TDO	10.05	19.6
10246	CAE	LTE-TDD (SC-FDMA, 50% RB, 3MHz, OPSK)	LTE-TOO	9.30	+9.6
10247	CAH	TE-TDD (SC-EDMA 50% 88 5 MHz 16-DAM)	LTE-TOO	9.00	10.6
10248	CAH	LTE-TOD (SC-EDMA 50% BB 5ME/z 64-DAM)	ITE TOO	10.09	+96
10.249	CAH	TE-TDD (SC-EDMA 50% BB 5 MHz OPSK)	ITE-TDO	0.20	10.6
10250	CAH	TYE TOD (SC EDMA 50% BB 10 MHz 16 OAA0	ATE TOO	0.29	10.0
10251	CAH	ITE-TOD (SC-EDMA ANS BE IDMAN 64-OAM)	LTE TOO	10.17	20.0
10262	CAH	ITE TOD (SC EDMA 50% BB 10 MHz OPSK)	LTE TOO	0.17	10.0
10263	CAG	TTE-TOD (SC-EDMA 50% PB 15 MHz 16 OAM	LIE-TDO	9.64	18.0
10264	CAG	LTE-TOD (SC-EDMA, 50% PR 15 MHz 64-OAM)	LITE TOO	10.14	19.0
10255	CAG	TE-TDD (SC-EDMA, 50% PD 15 MHz, OPSK)	LIE-TOO	10.14	28.0
10266	CAC	TTE TOD (SC EDWA 100K DB 1 414b) 16 OAM	LIE TOO	9.20	19.0
10250	CAC	LTC-TOD (SC-FDMA, 100% RD, 1,4MHz, 10-CMAR)	LIE-TOD	9.96	+9.6
10201	CAC	TE TOD (SC FOMA, 100% RD, 1,4MHz, OPC/AU)	LIETOD	10.08	19.6
10250	CAE	TTE TDD (SC FDMA, 100% RD 3MUs 16 OAMS	LIE-TOD	9.34	10.0
10280	CAE	TE-TOD ISC-FOMA 100% PB 3MH; CLOMA	LIE-TOD	9.90	19.6
10200	CAE	LTE TOD (SC FOMA, 100% RB 3MHz, OPEX)	LIE-TOD	9.97	19.0
10201	CAH	LITE TOD (SC FOMA, 100% RD, 5 MHz, GFSK)	LIE-TOD	9.24	±9.6
10:002	CALL	LTE TOD ISC FOMA, IOUS HD, SMIR, IS-QAVE	LIE-TOD	9.83	19.6
10203	CAH	TTE TOD (SC FDMA, 100% RD, 5 MPz, 64-34M)	LIE-TOD	10.16	±9.6
10504	CALL	LTE TOD (SC FOMA, 100% HB, SMH2, GFSK)	LIE-TOD	9.23	±9.6
10200	CAH	LTE-TOD (SC-FDMA, 100% RD, 10 MHz, 10-CAM)	LIE-TOD	9.92	±9.6
10200	CAN	LIE-TOD (SC-FOMA, 100% HB, 10 MHZ, 64-QAM)	LIE-TOD	10.07	±9,6
10.207	CAR	LTE-TOD (SC-FOMA, 100% PB, 10 MHz, GPSK)	LTE-TDD	9.30	±9.6
10200	CAG	LTE-TOD (SC-FDMA, 100% HB, 15 MHz, 16-QAM)	LIE-TOD	10.06	±9.6
10.289	CARS	LTE-TOD (SC-FUMA, 100% HB, 15 MHz, 64-DAM)	LTE-TOD	10.13	±9.6
10270	CAG	LIE-TOU (SC-FUMA, 100% HB, 15 MH2, UPSK)	LIE-TOD	9.58	±9.6
102/4	CAC	UMTS-FDU (HSUPA, Sublesi 5, 3GPP ReE 10)	WCDMA	4.87	±9.6
102/5	CAA	UMTS-FDU (HSUPA, SUBIRITS, 30PP HR8/4)	WCDMA	3.96	±9.6
102//	CAA	PHS (QPSK)	PHS	11.81	±9.6
10278	CAA	PHS (QPSR, BW 884 MH2, Rolloff 0.5)	PHS	11.81	±9.6
102/9	CAA	PHS (UPSK, 6W 884 MHz, Rolloff 0.38)	PHS	12.18	±9.6
10290	AAB	COMAZULU, HCT, SU55, FUI Hale	CDMAA2000	3.91	±9,6
10291	AAB	CDMA2000, HC3, SO55, Full Rate	CDMA2000	3.46	±9.6
10292	AAB	COMA2000, RC3, SC32, Full Hate	CDMA2000	3.39	±9.6
10250	AAB	COMA2000, PIC3, SU3, Full Rate	CDMA2000	3.50	±9.6
0295	ANB	CDMA2000, HC1, SO3, 1/8th Rate 25 Ir.	CDMA2000	12.49	±9.6
10297	AAE	LIE-FOD (SC-FDMA, 50% HB, 20 MHz, CPSK)	LTE-FDD	5.81	±9.8
10296	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, OPSK)	LTE-FDD	5.72	±9.6
10299	AAE	LTE-FDD (SG-FDMA, 50% HB, 3 MHz, 16-QAM)	LTE-FDD	6.39	±9.6
10300	AAE	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6,80	±9.6
10301	AAA	IEEE 002.166 WIMAX (29:18, 5 ms, 10 MHz, OPSK, PUSC)	WIMAX	12.03	±9.6
10302	AAA	IEEE 802.166 WIMAX (29:18, 5ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	WIMAX	12.57	±9.6
10303	AAA	IEEE 802.16e WIMAX (31:15, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	12.52	±9.6
10:304	AAA	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	WIMAX	11.86	±9.6
0305	AAA	IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	WIMAX	15.24	±9.6
10:306	AAA	IEEE 802.18e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	WMAX	14.67	19.6

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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 WMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
0309	AAA	IEEE 802.16e WIMAX (29.18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols)	WIMAX	14.58	±9.6
0310	AAA	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WIMAX	14.57	±9.6
0311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	19.6
0313	AAA	IDEN 1:3	IDEN	10.51	±9.6
0314	AAA	IDEN 1:8	IDEN	13,48	±9.6
0315	AAB	IEEE 802.11b WIFI 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
0316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 95pc duty cycle)	WLAN	8.36	±9.6
0317	AAE	IEEE 802.11a WIFi 5 GHz (OFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.38	±9.6
0352	AAA	Pulse Wavelorm (200Hz, 10%)	Generic	10.00	±9.6
0353	AAA	Pulse Wavelorm (200Hz, 20%)	Generic	6.99	±9.6
D354	AAA	Pulse Wavekim (200Hz, 40%)	Generic	3.98	±9.6
0355	AAA	Polse Waveform (200Hz, 60%)	Generic	2.22	±9.6
0356	AAA	Pulse Wavelorm (200Hz, 80%)	Gonoric	0.97	±9,6
0387	AAA	GPSK Waveform, 1 MHz	Generic	5.10	+9.6
0.388	AAA	QPSK Wavelorm, 10 MHz	Ganaric	5.22	±9.6
0396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	+9.6
0399	AAA	64-QAM Wavelorm, 40 MHz	Generic	6.27	±9.6
0400	AAE	IEEE 802.11ac WIFI (20 MHz, 64-QAM, 98pc duty cycle)	WLAN	8.37	+9.6
0401	AAE	IEEE 802 11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
0402	AAE	IEEE 802.11ac WIFI (80 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.53	±9.6
0403	AAB	CDMA2000 (1xEV-DO, Rev. 0)	CDMA2000	3.76	±9.6
0404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	±9.6
0406	AAS	CDMA2000, RC3, SO32, SCH0, Full Rate	CDMA2000	5.22	±9.6
0410	AAH	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9, Subframe Conf=4)	LTE-TDD	7.82	±9.6
0414	AAA	WLAN CCDF, 64-QAM, 40 MHz	Generic	8.54	±9.6
0415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
0416	AAA	IEEE 802.11g WIFI 2.4 GHz (ERP-OFDM, 6 Mbps, 98pc duty cycle)	WLAN	8.23	±9.6
0417	AAC	IEEE 802.11a/h WFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycla)	WLAN	8.23	±9.6
0418	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	B.14	±9.6
0419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Short preembule)	WLAN	8.19	±9.6
0.422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	±9.6
0423	AAC .	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	±9.6
0.424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 16 Mbps, BPSK)	WLAN	8.41	±9.6
0428	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
0427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 84-QAM)	WLAN	8.41	±9.6
0430	AAE	LTE-FDD (OFDMA, 5MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
0431	AAE	LTE-FDD (OFDMA, 10MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
0432	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
0433	AAD	LTE-FDD (OFDMA, 20MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
0.434	AAB	W-CDMA (BS Test Model 1, 84 DPCH)	WCDMA	8,60	±9.6
0435	AAG	LTE-TDD (SC-FDMA, 1 R8, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	+9.6
0448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
0.449	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.51	±9.6
0450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FD0	7,48	±9.6
0451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.59	±9.6
0453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
0456	AAC	IEEE 802.11ac WIFi (180 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
0457	AAB	UMTS-FDD (OC-HSDPA)	WCDMA	6.62	±9.6
0458	AAA	CUMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2600	6.55	±9.6
0459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 camers)	CDMA2000	8.25	±9.6
0460	AAB	UMTS-FDD (WCDMA, AMR)	WCDMA	2.39	±9.6
0461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, GPSK, UL Subkame=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0.462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.30	±9.6
0463	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.56	±9.6
0464	AAD	LTE-TOD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0465	GAA	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TOD	8.32	+9.6
and the second se	AAD	LTE-TOD (SC-FDMA, 1 FB, 3 MHz, 64-GAM, UL Subframe=2.3,4,7,8,9)	LTE-TOD	8.57	±9.6
0.466	A 6/2	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0466	AAAA	1 March 1994 Bir 1 March 1994 Bir 1 March 1994 Bir 1994 B			
0466 0467 0468	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
0466 0467 0468 0469	AAG AAG	LTE-TDD (8C-FDMA, 1 RB, 5MHz, 18-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD	8.32	±9.6 ±9.6
0466 0467 0468 0469 0470	AAG AAG AAG	LTE-TDD (SC-FDMA, 1 RB, 5MHz, 18-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 5MHz, 64-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD LTE-TDD LTE-TDD	8.32 8.56 7.82	±9.6 ±9.6 ±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = :
10-472	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
10.475	AAF	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subkame=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 Subtrame-2,3,4,7,8,9)	LTE-TDO	8.32	±9.6
10478	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subkame=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
10.480	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 18-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	19.6
10481	AAC	LTE-TOD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7.8,9)	LTE-TOD	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, UI, Subframe=2,3,4,7,8,9)	LTE-TOD	8.39	±9.6
10484	AAD	LTE-TOD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sublrame-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 Subtrame=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TOD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subirame-2,3,4,7,8,9)	LTE-TOD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 60% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 18-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TOD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subtrame-2,3,4,7,8,9)	LTE-TDD	8.54	+9.6
10.491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subtrame-2,3,4,7,8,9)	LTE-TOD	7.74	+9.6
0492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 15-QAM, UL Subframe-2,3,4,7,8,9)	LTE-TDD	8.41	19.6
0.483	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.55	+9.6
0494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74	#9.6
0495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2.3,4,7,8,9)	LTE-TOD	8.37	+9.6
0496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 54-QAM, UL Subframe-2.3,4,7,8,9)	LTE-TDD	8.54	+9.6
0497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2.3.4.7.8.9)	LTE-TOD	7.67	+9.6
0496	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subtrame=2.3.4,7.8.9)	LTE-TDD	8.40	+9.8
0499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe-2.3.4,7.8.9)	LTE-TOD	8.68	+9.6
0500	AAD	LTE-TDD (SC-FDMA, 100% RB 3MHz, QPSK, UL Subtrame-2.3.4,7.8.9)	LTE-TDD	7.67	+9.6
0.501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 16-QAM, UL, Subtrame-2.3.4.7.8.9)	ATE-TOO	B dd	+0.0
0502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, 64-QAM, LE, Subframe-2.3.4.7.8.9)	LTE-TDD	8.59	+9.6
0503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, OPSK LL, Subframe-2.3.4.7.8.9)	LITE-TOO	7.72	10.0
0504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-OAM, 18, Subframe-2.3.4.7.8.9)	LTE-TOD	0.94	10.0
0.505	AAD	LTE-TDD (SC-EDMA, 100% BB, 5MHz, 64-OAM, UL Subrame-2.3.4.7.8.9)	LTE-TOD	8.54	10.8
0.506	AAG	LTE-TOD (SC-EDMA 100% BB 10MHz OPSK LE Schwarte-23478.0)	LTE TRO	0.54	10.6
0.507	AAG	LTE-TOD (SC-FOMA 100% RB 10 MHz 18 OAM UL Subleme-23.4.7.8.0)	LITE TOO	0.96	10.0
0.508	AAG	TE-TOD (SC-FDMA 100% BB 10MHz 64-0AM 18 Subframe 2.3.4.7.8.0)	LTE-TOO	0.30	10.0
0.509	AAF	TE TOD (CC EDMA 100% DB 15 MHz OFEV 11 Subfame 0.2.4.7.9.9)	LIE-TOO	8,55	19.0
0510	AAF	TE TOD (SC-FDMA, 100% RB, 15 MHz, 16 OAM, UL Subirance 2.3,4,7,8,3)	175 700	7.89	#9.8
0511	AAF	TE-TOD (SC EDMA (ANK PB (EMU) & CAMI (II Subtrane 2.3,4,7,0,9)	LIE-IDD	8,49	19.6
0512	AAG	TE-TOD ISC-EDMA 100% BB 20144- ODCK 11 Subtrants-2,3,4,7,8,9	LIE-TOD	8.51	19.6
0513	AAG	TE-TOD/SC-EDMA 100% DB 30MHz 16 0AM (IL Sublimited 2, 3, 4, 7, 5, 9)	LIE-TOD	1.14	19.6
0514	AAG	LTE-TOD (SC-FDMA 100% PB 20 MHz 64 OAM LI Subtramo 53.4.7.8.9)	LIE-TOD	6.42	19.6
0515	444	IEEE IIO2 115 WE 2.4 GHz (DCCC, 248pt), 00 to the code)	LIEFIDD	8.45	#9.6
0516	444	IEEE 802 11b WEE 2.4 Osta (DODC & SAlling Other data and a	WLAN	1.58	19.6
0517	444	IEEE 002 115 WIE 2.4 CHz (DOCC 11 Man, Oper day cycle)	WLAN	1,57	±9.6
0518	AAC	EEE 802 11s/s WEE 6 GHz (DECM, B Mean Stree duty and S	WLAN	1.58	±9.6
0510	AAC	IFEE 802 11a/z WEI 5 GHz /OFFM/ 13 Mups, 39pc 001y Cycle)	WLAN	8.23	±9,6
0520	0.00	EEE BOS 11ah WEI S CHr (OFDM, 12 Mbps, Bapt duly cycle)	WLAN	8.39	±9.6
0521	AAC	EFE 802 (1a/s WEI 6 GHz / CEDM 24 Mbos 2005 duty cycle)	WLAN MILAN	8.12	±9.6
0522	AAC	FEE 802 11 all WAE & Chit WEEVA 36 Million 8000 duty cycle)	WLAN	7.97	±9.6
0522	AAC	IEEE 802 11ab WAELS CHO COFTRAL 49 Million 1000 duty CYCRE)	WLAN	8,45	±9.6
0300	AAC	IEEE BUS (Twith WIFLE CIA: (OF DW, 48 MBps, Hepp duty cycle)	WLAN	8.08	±9.6
0.555	AAC	IEEE DOS (Tash WITT S GHZ (OFUM, S4 MODS, S9C duty cycle)	WLAN	8,27	±9.6
0020	AAC	TEEE 802.11ac WFI (20MHz, MCS0, 99pc duty cycle)	WLAN	8,36	±9.6
0.5020	AAC	TEEE BUZ, FT80 WIFT (20 MHZ, MUS1, 940C BUTY CYCle)	WLAN	8,42	±9.6
1260	AAC	IEEE 002.1180 WIF1 (20 MHz, MUS2, 9900 duby cycle)	WLAN	8.21	±9.6
0520	AAG	IEEE 002.1180 WHT12010HZ, MCS3, 1900 Guly Cycle)	WLAN	8.36	±9.6
0.524	AAG	IEEE due 1180 WIFI (201816, MUSA, 9900 duly dycla)	WLAN	8.36	±9.6
0.520	AAG	IEEE 002.1180 WHI (20 MHz, MCS6, Sept duty cycle)	WLAN	8.43	+9.6
0532	AAG	TELE 802.11ac WIFI (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	19.6
0533	AAG	ICCL 802.11ac WIFI (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.30	±9.6
0534	AAG	IEEE 802.11ac WIFI (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	19.6
0535	AAC	IEEE 802.11ac WIFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	+9.6
0536	AAC	IEEE 802.11ac WIFI (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	19.6
0537	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
0538	AAC	IEEE 802.11ac WIFI (40 MHz, MCS4, 98pc duty cycle)	WLAN	8.54	±9.6
0540	AAC	IEEE 802.11ac WiFI (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.39	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10541	AAC	IEEE 802.11ao WiFi (40 MHz, MCS7, 98pc duly 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, MCB9, 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, 98pc 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
10661	AAC	IEEE 802.11ac WFi (80 MHz, MCS7, 98pc 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 802.11ao 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 002.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	5.13	+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 (D6SS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	19.6
10.569	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)	WEAN	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	19.6
10574	AAA	IEEE 802,11b WIFI 2,4 GHz (DSSS, 11 Mbos, 90cc duty cycle)	WLAN	1.98	+96
10575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cwde)	WLAN	8.59	19.6
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 Mbgs, 90pc duty cardie)	WEAN	8.70	+9.6
10578	AAA	IEEE 802 110 WIFI 2.4 GHz (DSSS-OFDM_18 Minos_90pc duty cycle)	WIAN	8.40	10.0
10579	AAA	IEEE 802.11p WIFI 2.4 GHz (DSSS-OFDM: 24 Mbns, 90pc duty cwcle)	WEAN	8.96	10.0
10580	AAA	IEEE 802 11g WiFi 2.4 GHz (DSSS-OFDM 36 Mpps, 90pc duty cycle)	WI AM	9.70	10.0
10581	AAA	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM_48 Minns_90pt duty cycle)	WI AN	8.95	10.0
10682	AAA	IEEE 802.11g WIFi 2.4 GHz (DSSS-OFDM, 54 Mpps, 90gg duty cycle)	WLAN	8.67	49.6
10583	AAC	IEEE 802,11a/h WIFI 5 GHz (OFDM, 6 Mbos, 90cc duty cycle)	WLAN	8.50	49.6
10584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbos, 90pc duty cycle)	WLAN	8.60	=9.6
10585	AAC	IEEE 802, 11a/h WFI 5 GHz (OFDM, 12 Mbos, 90or duty cycle)	WLAN	8.70	10.0
10586	AAC	IEEE 802 11a/h WIFI 5 GHz (OFDM, 18 Mbps, 90pc duty cycla)	WIAN	8.49	4.0.6
10.587	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 24 Mbrs, 90pc duty cycle)	WIAN	9.46	10.0
10588	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 36 Mbrs, 90cc duby cycle)	WIAN	8.76	10.0
10589	AAC	IEEE 802.11a/h WFI 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	0.35	+9.8
10590	AAC	IEEE 802.11a/h WIFI 5 GHz (OFDM, 54 Mbps, 90ac duty cycle)	WLAN	8.67	+0.6
10591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90nc duty cycle)	WEAN	0.07	+0.0
10592	AAC	IEEE 802,11n (HT Mixed, 20 MHz, MCS1, 90cc duty cycle)	WIAN	8.70	+0.6
10593	AAC	IEEE 802,11n (HT Mixed, 20 MHz, MCS2, 80nc duty cycle)	WEAN	0.78	+9.6
10594	AAC	IEEE 802,11n (HT Mixed, 20 MHz, MCS3, 90cc duty cycle)	WIAN	8.74	10.0
10595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90cc duty cycle)	WIAN	0.74	10.6
10596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCSA, 90no duty cycle)	W8 AM	0.74	10.0
10597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS8, 90ee date curren)	WA AN	0.71	19.0
10598	AAG	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90cc duty cycle)	W AN	8.5/2	10.0
10599	AAC	IEEE 802,11n (HT Mixed, 40 MHz, MCS0, 90nc dute cardie)	WEAN	0.00	10.0
10600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90nc duty cycle)	WE AN	8.99	10.6
10601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90nc duty cycle)	WE DAY	0.00	10.6
10602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90 no data cursta)	WE ANI	8.82	10.0
10603	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90ee date curde)	WE AN	0.39	10.0
10604	AAC	IEEE 802.110 OHT Mixed, 40 MHz, MCS5, 90ne dide curries	WA AN	9.03	10.0
10605	AAC	IEEE 802 11n OHT Mixed, 40 MHz, MCS6, 90ee date castel	MCAN	0./0	19.0
10606	AAC	IEEE 802 11n (HT Mixed, 40 MHz, MCS7, 90sc 4-to custo)	WA AN	0.97	10.0
10607	AAC	IEEE 802 11ac WE (20 MHz MCS0 90 or duly cycle)	WEAR	8.62	±9.6
10608	200	IEEE 802 11 an WE (20 Mile MCS1, 90 as data auto)	WEAR	8.64	19.6
.0.000	PARA	mana sever ride mini (commer, mole r, inde obly cycle)	WLAN	8.77	±9.5

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10609	AAC	IEEE 802.11ac WiFi (20 MHz; MCS2, 90pc duty cycle)	WLAN	8.57	±9.6
18610	AAC	IEEE 802.11ac WIFI (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.78	±9.6
10611	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10612	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10613	AAG	IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.94	±9.6
10614	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.59	19.6
10615	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10616	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.82	±9.6
10617	AAC	IEEE 802.11ac WIFI (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10618	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10619	AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	19.6
10620	AAC	IEEE 802.11ac WIFI (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.87	+9.6
10621	AAC	IEEE 802.11ac WIFI (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
10.622	AAC	IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10623	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
10.624	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
10625	AAC	IEEE 802.11ac WIFI (40 MHz, MCS9, 90pc duly cycle)	WLAN	8.96	±9.6
10626	AAC	IEEE 802.11ac WiFi (80 MHz, MCSO, 90pc duly cycle)	WLAN	8.83	±9.6
10627	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
10.628	AAC	IEEE 802.11ac WIFI (80 MHz, MCS2, 90pc duty cycle)	WLAN	8,71	±9.6
10.629	AAC	IEEE 802.11ac WiFI (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
0.630	AAC	IEEE 802.11ac WIFI (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
10631	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycla)	WLAN	8.81	±9.6
10632	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycla)	WLAN	8.83	±9.6
10:634	AAC	IEEE 802.11ac WIFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
10635	AAC	IEEE 802.11ac WIFI (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
10636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	3.6±
10637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
10638	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	+9.6
10.639	AAD	IEEE 802.11ac WIFI (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	19.6
10640	AAD	IEEE 802.11ac WFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	±9.6
10641	AAD	IEEE 802.11ac WIFI (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.08	+9.6
10642	AAD	IEEE 802.11ac WIFI (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	+9.6
10643	AAD	IEEE 802.11ac WFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	+9.6
10644	AAD	IEEE 802.11ac WFI (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	+9.6
10645	AAD	IEEE 902,11ac WIFI (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
10646	AAH	LTE-TOD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframe=2.7)	LTE-TDO	11.96	±9.6
10647	AAG	LTE-TOD (SC-FOMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.98	+9.6
10648	AAA	CDMA2000 (1x Advanced)	CDMA2000	3.45	19.6
10652	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.91	+9.6
0653	AAF	LTE-TOD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.42	19.6
0654	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	+9.6
0655	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7.21	+9.6
0.658	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	+9.6
0.659	AAB	Putse Waveform (200Hz, 20%)	Test	6.99	+9.6
0660	<b>BAA</b>	Pulso Wavelorm (200Hz, 40%)	Test	3.98	+9.6
0.661	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
0.662	AAB	Pulse Waveform (200Hz, 60%)	Test	0.97	+9.6
0670	AAA	Bluetooth Low Energy	Bluetooth	2.19	+9.6
0671	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WEAN	9.09	*9.6
0672	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	+9.6
0673	AAC	IEEE 802.11ex (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	+9.6
0674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	+9.8
0675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	+9.6
0676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	+9.6
0.677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	+9.6
0678	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	+9.6
0679	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	+9.6
0680	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	+9.6
0681	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.89	+9.6
0682	AAC	IEEE 802,11ax (20 MHz, MCS11, 90pc duty cycle)	WI AN	8.83	10.6
0683	AAC	IEEE 802 11ax (20 MHz, MCS0, S9pp they overla)	WI AN	0.00	10.0
0684	AAC	IEEE 802 11ax (20 MHz, MCS1, 99pc duty overlat	UL AN	0.42	10.0
0695	AAC	IEEE 802 11 av (20 MHz MCS2 99x dety cycla)	MLAN	03.0	±9.0
0688	AAC	IFFF 802 11av (20 MHz MCS3 Generative metal	VYL-NY	0.00	19.6
0000	nny	incer over i uniten unuel unocial under ontà càcial	WLAN	8,28	£9.6

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10888	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
0689	AAC	IEEE 802 11ax (20 MHz, MC56, 99pc duty cycle)	WLAN	8.55	±9.6
0690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
0691	AAC	IEEE 802 11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
10692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	+9.6
10693	AAC	IEEE 802.11ax (20 MHz, MCS10, 99pc duty cycle)	WLAN	8.25	+9.6
0694	AAC	IEEE 802.11ax (20 MHz, MCS11, 99pc duty cycle)	WLAN	8.57	+9.6
10.695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	+9.6
10696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	+9.6
10:697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	+9.6
0.698	AAC	IEEE 802 11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	+9.6
00001	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	+9.6
10700	AAC	IEEE 802.11ax (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.73	+9.6
0701	AAC	IEEE 802.11ax (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.86	+9.6
0702	AAC	IEEE 802.11ax (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.70	+9.6
10703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	+9.6
0704	AAC	IEEE 802 11ax (40 MHz, MCS9, 90pp duty cycle)	WLAN	8.56	+9.6
0705	AAC	IEEE 802.11px (40 MHz, MCS10, 90pc duty cycle)	WIAN	8.69	+9.6
0706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pp duty cycle)	WLAN	8.66	+9.6
0707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99oc duty cycle)	WLAN	8.32	+9.6
0708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99on duty cycle)	WLAN	0.55	+9.6
0709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.92	+9.6
0710	AAC	IEEE 802 11ax (40 MHz, MCS3, 98pc duty cycla)	WIAN	8.90	+9.6
0711	AAC	IEEE 802 11ex (40 MHz, MCS4, 99nc dety cycle)	WAN	8.90	10.0
0712	AAC	IEEE 802 11ax (40 MHz, MCS5, 99pc duty cycle)	WEAN	9.67	+0.0
0713	AAC	IEEE 802 11ax (40 MHz, MCS6, 99ac duty civile)	WEAN	0.07	10.6
0714	AAC	IEEE 802 11ax (40 MHz, MCS7, 990c duty myde)	WLAN	8.96	10.0
0715	AAC	IEEE 802 11ax (40 MHz, MCS8, 99ac didy cycle)	WEAN	0.45	10.6
0716	AAC	IEEE 802 11ax (40 MHz, MCS9, 99ac duty cycle)	WEAN	8.90	10.0
0717	AAC	IEEE 802 11ax (40 MHz, MCS10, 99at duty cycle)	WEAN	0.30	10.6
0718	AAC	IEEE 802 11ax (40 MHz, MCS11, 99a; duty cycle)	WE AN	8.94	+0.0
0719	AAC	IEEE 802 11st (80 MHz, MCS0 9/0s dide outla)	WE AN	0.64	10.0
0720	AAC	IEEE 802 I tay (80 MHz, MCS1 900c ddg cyde)	We Abl	0.01	10.0
0721	AAC	IEEE 802 11av (80 Milz, MCS2, 90ac date contail	MI ANI	0.07	10.0
0722	AAC	IEEE 802 11ax (80 MHz MCS3 90or data ovela)	WE AN	0.70	10.6
0723	AAC	IEEE 802 11ax (80 MHz, MCS4, 90pc data civila)	345.001	0.00	10.0
0724	AAC	IEEE 802 11av (80 MHz, MCSS 90ac duty cycle)	WE ADJ	8.70	19.0
0725	AAC	IFEE 802 11ax (80 MHz, MCS6, 90pc day cycle)	SAL ANI	0.00	10.0
0726	AAC	IEEE 802 11av (80 MHz, MCS7, 90 or dray owia)	MI ANI	0.74	19.6
0727	AAC	IFEE 802 11av (80 MHz, MCSP, 80pc day cycle)	WE AN	0./2	19.0
0728	AAC	IEEE 802 11av (80 MHz, MCS0, 90pc day cycle)	WEAV	8,66	19.0
0729	AAC	IEEE 802 11ax (80 MHz, MCG3, 80pc daty cycle)	HILAN	0.05	19.0
0730	AAC	IEEE 802 11av (80 MHz, MCS11, Obec day cycle)	VILAN MEAN	8.04	19.0
0731	AAC	IEEE 802 11 av (80 MHz, MCS11, 50pc duty cycla)	MLAN MILAN	8.67	±9.6
0732	AAC	IFEE 802 11av (ROMHY MCS1 (Que duty cycle)	WLAN	8.42	19.6
0799	440	IEEE and thay (BDMUs, MCG), Bape duty cycle)	WLAN	8.45	19.5
0734	440	IEEE 802 11 ov /80 Mile MCS2 80cc duby cycle)	WLAN	0.40	+9.0
0735	AAC	IEEE 8/2 11av (80 MHz MCS4 00cm date match)	WLAN	8.25	±9.6
0730	AAC	IEEE 002.11ax (BOMHZ, MCO4, Sape duty cycle)	WLAN	8.33	+9.6
0797	AAC	EEE 002 11 av (dollariz, wold), app duty cycle)	WLAN	8.2/	19.6
0738	AAC	FEE 802 11av (80 MHz AV227 gges duty sure)	WLAN	8.36	±9.6
0730	AAC	ECC 0/2 11 av (20 MPL, MCS7, 39pc duty cycle)	WLAN	B.42	19.6
0730	AAC	IEEE 802.11ax (80 MP2, WG58, 99pc duty cycle)	WLAN	8.29	+9.6
0740	AAC	IEEE 002 1188 (00 MPZ, NOSS, 99pc duty cycle)	WLAN	B.48	±9.6
0741	AAC	TEEE BO2 11ax (80 MHz, MCS10, 89pc duty cycle)	WLAN	8.40	±9.6
0742	AAC	IEEE 002 Hax (d0 MP2, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
0743	AAC	TELE BOX 11ax (180 MHz, WUSU, 900C 081y Cycle)	WLAN	8,94	±9.6
0744	AAC	HERE DOW (184 (100 MITE, WORD), 3000 duty cycle)	WLAN	9.16	±9.6
0740	AAG	IEEE 802.110x (160 MHz, NGS2, 900c duly cycle)	WLAN	8.93	±9.6
1746	AAG	TELE 002.11ax (160 MHz, MGS3, 90pc duty cycle)	WLAN	9.11	±9.6
0747	AAC	HEEE 802.11ax (180 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
0.748	AAC	REE 802.118x (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
0749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
0750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
0751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
0752	AAC	IEEE 802.11sx (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> & = 2
10753	AAC	IEEE 802.11ax (160 MHz, MCS10, 90pc duty cycle)	WLAN	9.00	±9.6
10754	AAC	IEEE 802.11ax (160 MHz, MCS11, 90pc duty cycle)	WLAN	8,94	±9.6
10755	AAC	IEEE 802,11ax (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.64	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MC52, 99pc duty cycle)	WLAN	8.77	±9.6
10758	AAC	IEEE 802.11ax (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.69	±9.6
10759	AAC	IEEE 802.11ax (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.58	±9.6
10760	AAC	IEEE 802.11ax (160 MHz, MCS5, 99pc duty cycle)	WLAN	6.49	±9.6
10761	AAC	IEEE 802.11ax (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.58	±9.6
10762	AAC	IEEE 802.11ax (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.49	±9.6
10763	AAC	IEEE 802.11ax (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.53	±9.6
10764	AAC	IEEE 802.11ax (160 MHz, MCS9, IBpc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	19.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8,51	±9.6
10767	AAE	5G NR (CP-OFDM, 1 RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	7.99	±9.6
10768	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10769	DAA	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	19.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	53 NR FR1 TDD	8.02	±9.6
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±9.6
10773	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.03	±9.6
10774	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10775	AAD	5G NR (CP-OFDM, 50% RB, 5 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	±9.6
10776	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	+9.6
10777	AAC	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.30	+9.6
10778	AAD	5G NR (CP-OFDM, 50% RB, 20MHz, QPSK, 15kHz)	53 NR FR1 TOD	8.34	19.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz)	5G NR FR1 TOD	8.42	+9.6
10780	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10781	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.43	+9.6
10783	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 15kHz)	5G NR FR1 TDD	8.31	+9.6
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8,29	+9.6
10785	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.40	19.8
10786	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	+9.6
10,787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NB FB1 TDD	8.44	19.5
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.39	+9.6
10789	AAD	50 NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.37	+9.5
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	SG NR FR1 TDD	8.39	+9.6
10791	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 30kHz)	5G NR FR1 TDD	7.83	+9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, OPSK, 30 kHz)	5G NR FRI TOD	7.92	+9.5
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, OPSK, 30 kHz)	5G NR FR1 TOD	7.95	+9.6
10794	AAD	5G NR (CP-OFDM, 1 RB. 20 MHz, OPSK, 30 kHz)	SG NB FB1 TDD	7.82	+9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	7.84	+9.6
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, OPSK, 30 kHz)	5G NB FB1 TDD	7.82	+9.6
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, OPSK, 30 kHz)	5G NB FB1 TOD	8.01	+9.6
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	7.89	+9.5
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	18.6
10801	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	+9.6
10802	AAD	5G NR (CP-OFDM, 1 R8, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TOD	7.97	196
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	7.93	+9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	6G NR FR1 TDD	8.34	+9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	+9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, OPSK, 30 kHz)	5G NR FR1 TOD	8.34	+0.6
10810	AAD	5G NB (CP-OFDM, 50% BB, 40 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.94	-9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.95	-9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TOD	8.35	49.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.34	+9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, OPSK 30 MHz)	5G NR FRI TDO	8.32	A 0.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, OPSK, 30 kHz)	5G NR FR1 TDD	8.30	+9.6
10821	AAD	50 NR (CP-OEDM, 100% BB 25 MHz, OPSK 30 MHz)	53 NR FR1 TDD	8.41	#0.P
10.822	AAD	5G NR (CP-OFDM, 100% BB 30 MHz, OPSK 30 MHz)	SG NR ERI TOO	8.41	+0.0
10823	AAD	50 NR (CP.OEDM 100% RB 40 MHz (DPSK 30 HHz)	5G NR ERI TOD	8.96	10.6
10824	AAD	SG NR /CP-OEDM 100% RR 50 MHz OPSK 30 MHz	SG NR EPH TOO	8.30	±9.0
10.896	AAD	SG NR (CP, CEDM, 100% BB, 60 MHz, OPEK, 90 MHz)	EG ND EDI TOD	0.39	#9.6
10827	CIAA	50 NR (CP.OEDM 100% BB 80 MHz OPEC 105444	SG ND CD1 TD0	0.41	19.6
10808	AAD	KO NE (CE OEDM, 100 W FID, 00 MFIZ, 4F DR, 20 MFIZ)	SCINE PHT TOO	0.42	#9.6
JUCO	Lines.	and the two two winds, two in the and the and the and an	1 builden intern 100	0.43	±8/6

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IDB26         AAD         SG NN F(CP-DFDM, 1000; RB, 1004Hz, QPSK, 601Hz)         SG NN FFH TDD         7.83           10930         AAD         SG NN F(CP-DFDM, 1 FB, 11Hz, QPSK, 601Hz)         SG NN FFH TDD         7.73           10931         AAD         SG NN F(CP-DFDM, 1 FB, 21Hz, QPSK, 601Hz)         SG NN FFH TDD         7.73           10932         AAD         SG NN F(CP-DFDM, 1 FB, 23HJz, QPSK, 601Hz)         SG NN FFH TDD         7.70           10935         AAD         SG NN F(CP-DFDM, 1 FB, 23HJz, QPSK, 601Hz)         SG NN FFH TDD         7.70           10935         AAD         SG NN F(CP-DFDM, 1 FB, 20HJz, QPSK, 601Hz)         SG NN FH1 TDD         7.70           10937         AAD         SG NN F(CP-DFDM, 1 FB, 20HJz, QPSK, 601Hz)         SG NN FH1 TDD         7.70           10937         AAD         SG NN F(CP-DFDM, 1 FB, 20HJz, QPSK, 601Hz)         SG NN FH1 TDD         7.70           10940         AAD         SG NN F(CP-DFDM, 1 FB, 20HJz, QPSK, 601Hz)         SG NN FFH TDD         7.70           10944         AAD         SG NN F(CP-DFDM, 1 FB, 20HJz, QPSK, 601Hz)         SG NN FFH TDD         7.70           10944         AAD         SG NN F(CP-DFDM, SOR FB, 15MHz, QPSK, 601Hz)         SG NN FFH TDD         7.71           10944         AAD         SG NN F(CP-DFDM, SOR FB, 15MHz, QPSK,	Unc- K =
19830         AAD         SG NR (CP-OFDM, 1 RB, 10MHz, OPSK, 60MHz)         SG NR FPH TDD         7.73           19831         AAD         SG NR (CP-OFDM, 1 RB, 15MHz, OPSK, 60MHz)         SG NR FPH TDD         7.73           19832         AAD         SG NR (CP-OFDM, 1 RB, 20MHz, OPSK, 60MHz)         SG NR FPH TDD         7.70           19834         AAD         SG NR (CP-OFDM, 1 RB, 20MHz, OPSK, 60MHz)         SG NR FPH TDD         7.70           19835         AAD         SG NR (CP-OFDM, 1 RB, 20MHz, OPSK, 60MHz)         SG NR FPH TDD         7.76           19836         AAD         SG NR (CP-OFDM, 1 RB, 20MHz, OPSK, 60MHz)         SG NR FPH TDD         7.76           19836         AAD         SG NR (CP-OFDM, 1 RB, 20MHz, OPSK, 60MHz)         SG NR FPH TDD         7.76           19837         AAD         SG NR (CP-OFDM, 1 RB, 20MHz, OPSK, 60MHz)         SG NR FPH TDD         7.77           19848         AAD         SG NR (CP-OFDM, 1 RB, 20MHz, OPSK, 60MHz)         SG NR FPH TDD         7.77           19844         AAD         SG NR (CP-OFDM, 1 RB, 20MHz, OPSK, 60MHz)         SG NR FPH TDD         7.73           19844         AAD         SG NR (CP-OFDM, 50% RB, 20MHz, OPSK, 60MHz)         SG NR FPH TDD         8.34           19844         AAD         SG NR (CP-OFDM, 100WR, RB, 30MHz, OPSK, 60MHz)	±9.6
10831         AAD         5G NR (CP-OPEN, 1 RB, 15MHz, OPSK, 60Hz)         5G NR FR1 TDD         774           10832         AAD         5G NR (CP-OPEN, 1 RB, 22MHz, OPSK, 60Hz)         5G NR FR1 TDD         775           10834         AAD         5G NR (CP-OPEN, 1 RB, 22MHz, OPSK, 60Hz)         5G NR FR1 TDD         775           10835         AAD         5G NR (CP-OPEN, 1 RB, 20MHz, OPSK, 60Hz)         5G NR FR1 TDD         776           10836         AAD         5G NR (CP-OPEN, 1 RB, 20MHz, OPSK, 60Hz)         5G NR FR1 TDD         776           10837         AAD         5G NR (CP-OPEN, 1 RB, 20MHz, OPSK, 60Hz)         5G NR FR1 TDD         777           10840         AAD         5G NR (CP-OPEN, 1 RB, 20MHz, OPSK, 60Hz)         5G NR FR1 TDD         777           10844         AAD         5G NR (CP-OPEN, 1 RB, 20MHz, OPSK, 60Hz)         5G NR FR1 TDD         777           10844         AAD         5G NR (CP-OPEN, 50% RB, 50MHz, OPSK, 60Hz)         5G NR FR1 TDD         778           10844         AAD         5G NR (CP-OPEN, 50% RB, 50MHz, OPSK, 60Hz)         5G NR FR1 TDD         774           10844         AAD         5G NR (CP-OPEN, 50% RB, 50MHz, OPSK, 60Hz)         5G NR FR1 TDD         8.32           10845         AAD         5G NR (CP-OPEN, 100% RB, 50MHz, OPSK, 60Hz)         5G NR FR	±9.6
19832         AAD         50 NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 Htc)         50 NR FPH TDD         770           19834         AAD         50 NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 Htc)         50 NR FPH TDD         770           19835         AAD         50 NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 Htc)         50 NR FPH TDD         770           19835         AAD         50 NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 Htc)         50 NR FPH TDD         776           19836         AAD         50 NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 Htc)         50 NR FPH TDD         776           19837         AAD         50 NR (CP-OFDM, 1 RB, 20 MHz, OPSK, 60 Htc)         50 NR FPH TDD         770           19849         AAD         50 NR (CP-OFDM, 1 RB, 30 MHz, OPSK, 60 Htc)         50 NR FPH TDD         770           19844         AAD         50 NR (CP-OFDM, 1 RB, 30 MHz, OPSK, 60 Mtc)         50 NR FPH TDD         834           19845         AAD         50 NR (CP-OFDM, 50% RB, 20 MHz, OPSK, 60 Mtc)         50 NR FPH TDD         834           19845         AAD         50 NR (CP-OFDM, 50% RB, 20 MHz, OPSK, 60 Mtc)         50 NR FPH TDD         834           19845         AAD         50 NR (CP-OFDM, 100% RB, 15 MHz, OPSK, 60 Mtc)         50 NR FPH TDD         834           19845         AAD         50 NR (CP-OFDM, 100% RB, 15 MHz, OPS	±9.6
10838         AAD         50 NR (CP-CPEM, 1 BB, 28 MHz, CPSK, 60 HHz)         50 NR FIH TDD         77.57           10834         AAD         50 NR (CP-CPEM, 1 BB, 20 MHz, CPSK, 60 HHz)         50 NR FIH TDD         77.57           10835         AAD         50 NR (CP-CPEM, 1 BB, 20 MHz, CPSK, 60 HHz)         50 NR FIH TDD         77.66           10837         AAD         50 NR (CP-CPEM, 1 BB, 20 MHz, CPSK, 60 HHz)         50 NR FIH TDD         77.66           10838         AAD         50 NR (CP-CPEM, 1 BB, 20 MHz, CPSK, 60 HHz)         50 NR FIH TDD         77.67           10849         AAD         50 NR (CP-CPEM, 1 BB, 20 MHz, CPSK, 60 HHz)         50 NR FIH TDD         77.67           10844         AAD         50 NR (CP-CPEM, 1 BB, 20 MHz, CPSK, 60 HHz)         50 NR FIH TDD         77.67           10844         AAD         50 NR (CP-CPEM, 50°K BB, 20 MHz, CPSK, 60 HHz)         50 NR FIH TDD         8.41           10845         AAD         50 NR (CP-CPEM, 100°K BB, 20 MHz, CPSK, 60 HHz)         50 NR FIH TDD         8.43           10846         AAD         50 NR (CP-CPEM, 100°K BB, 20 MHz, CPSK, 60 HHz)         50 NR FIH TDD         8.43           10846         AAD         50 NR (CP-CPEM, 100°K BB, 20 MHz, CPSK, 60 HHz)         50 NR FIH TDD         8.43           10846         AD         50 NR (CP-C	±9,6
1983         ADD         5C NR (CP-DPDM, 1 RB, 30 MHz, OPSK, 60 HHz)         5G NR FIH TDD         7.70           1983         ADD         5C NR (CP-DPDM, 1 RB, 40 MHz, OPSK, 60 HHz)         5G NR FIH TDD         7.76           1985         AAD         5C NR (CP-OPDM, 1 RB, 50 MHz, OPSK, 60 HHz)         5G NR FIH TDD         7.76           1985         AAD         5G NR (CP-OPDM, 1 RB, 50 MHz, OPSK, 60 HHz)         5G NR FIH TDD         7.76           1986         AAD         5G NR (CP-OPDM, 1 RB, 50 MHz, OPSK, 60 HHz)         5G NR FIH TDD         7.77           1984         AAD         5G NR (CP-OPDM, 1 RB, 50 MHz, OPSK, 60 HHz)         5G NR FIH TDD         7.77           1984         AAD         5G NR (CP-OPDM, 50% RB, 55 MHz, OPSK, 60 HHz)         5G NR FIH TDD         8.34           1984         AAD         5G NR FIH TDD         7.77	±9.6
10836         AAD         SG NR (CP-OFDM, 198, 60 MHz, OPSK, 60 HHz)         SG NR FR1 TDD         7.70           10836         AAD         SG NR (CP-OFDM, 198, 60 MHz, OPSK, 60 HHz)         SG NR FR1 TDD         7.76           10837         AAD         SG NR (CP-OFDM, 198, 60 MHz, OPSK, 60 HHz)         SG NR FR1 TDD         7.76           10849         AAD         SG NR (CP-OFDM, 198, 60 MHz, OPSK, 60 HHz)         SG NR FR1 TDD         7.77           10841         AAD         SG NR (CP-OFDM, 198, 60 MHz, OPSK, 60 HHz)         SG NR FR1 TDD         7.77           10844         AAD         SG NR (CP-OFDM, 198, 60 MHz, OPSK, 60 HHz)         SG NR FR1 TDD         8.34           10844         AAD         SG NR (CP-OFDM, 505 RB, 17 MHz, OPSK, 60 HHz)         SG NR FR1 TDD         8.34           10844         AAD         SG NR (CP-OFDM, 1005 RB, 10 MHz, OPSK, 60 HHz)         SG NR FR1 TDD         8.34           10845         AAD         SG NR (CP-OFDM, 1005 RB, 10 MHz, OPSK, 60 HHz)         SG NR FR1 TDD         8.34           10845         AAD         SG NR (CP-OFDM, 1005 RB, 20 HHz, OPSK, 60 HHz)         SG NR FR1 TDD         8.34           10856         AAD         SG NR (CP-OFDM, 1005 RB, 20 HHz, OPSK, 60 HHz)         SG NR FR1 TDD         8.35           10856         AAD         SG NR (CP-OFDM, 1005 RB,	±9.6
1985         ADD         SG NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         7.66           1985         AAD         SG NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         7.77           1984         AAD         SG NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         7.77           1984         AAD         SG NR (CP-OFDM, 1 RB, 50 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         7.77           1984         AAD         SG NR (CP-OFDM, 505 NR, B3, 50 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.49           1984         AAD         SG NR (CP-OFDM, 505 NR, B3, 50 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.41           1984         AAD         SG NR (CP-OFDM, 505 NR, B3, 20 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.34           1985         AAD         SG NR (CP-OFDM, 100% FR, 15 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.34           1985         AAD         SG NR (CP-OFDM, 100% FR, 15 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.37           1985         AAD         SG NR (CP-OFDM, 100% FR, 50 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.37           1985         AAD         SG NR (CP-OFDM, 100% FR, 50 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.37           1985         AAD         SG NR (CP-OFDM, 100% FR,	±9.6
1983         AAD         SG NR (CP-OPDM, 1PB, 60 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         7.86           1983         AAD         SG NR (CP-OPDM, 1PB, 60 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         7.77           1984         AAD         SG NR (CP-OPDM, 1PB, 60 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         7.77           1984         AAD         SG NR (CP-OPDM, 1PB, 60 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         7.77           1984         AAD         SG NR (CP-OPDM, 505 RB, 51 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.34           1984         AAD         SG NR (CP-OPDM, 505 RB, 51 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.34           1984         AAD         SG NR (CP-OPDM, 100% RB, 15 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.34           1985         AAD         SG NR (CP-OPDM, 100% RB, 15 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.34           1985         AAD         SG NR (CP-OPDM, 100% RB, 25 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.35           1985         AAD         SG NR (CP-OPDM, 100% RB, 26 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.35           1985         AAD         SG NR (CP-OPDM, 100% RB, 26 MHz, OPSK, 60 Hz)         SG NR FR1 TDD         8.34           1985         AAD         SG NR (CP-OPDM, 100% RB, 100 MHz, OPSK,	±9.6
19839         AAD         SG NR (CP-OFDM, 198, 80 MHz, OPSK, 60 Hz)         SG NR FFI TDD         7.70           19841         AAD         SG NR (CP-OFDM, 198, 60 MHz, OPSK, 60 Hz)         SG NR FFI TDD         7.77           19841         AAD         SG NR (CP-OFDM, 198, 60 MHz, OPSK, 60 Hz)         SG NR FFI TDD         7.77           19843         AAD         SG NR (CP-OFDM, 505 RB, 15 MHz, OPSK, 60 Hz)         SG NR FFI TDD         7.70           19844         AAD         SG NR (CP-OFDM, 505 RB, 15 MHz, OPSK, 60 Hz)         SG NR FFI TDD         8.43           19845         AAD         SG NR (CP-OFDM, 505 RB, 15 MHz, OPSK, 60 Hz)         SG NR FFI TDD         8.34           19856         AAD         SG NR (CP-OFDM, 505 RB, 15 MHz, OPSK, 60 Hz)         SG NR FFI TDD         8.34           19856         AAD         SG NR (CP-OFDM, 1005 RB, 15 MHz, OPSK, 60 Hz)         SG NR FFI TDD         8.37           19856         AAD         SG NR (CP-OFDM, 1005 RB, 15 MHz, OPSK, 60 Hz)         SG NR FFI TDD         8.37           19856         AAD         SG NR (CP-OFDM, 1005 RB, 10 MHz, OPSK, 60 Hz)         SG NR FFI TDD         8.36           19859         AAD         SG NR (CP-OFDM, 1005 RB, 10 MHz, OPSK, 60 Hz)         SG NR FFI TDD         8.40           19859         AAD         SG NR (CP-OFDM, 1005 RB, 5	±9.6
10840         AAD         5G NR (CP-OFDM, 198, 100 MHz, OPSK, 60 MHz)         5G NR FRI TOD         7.77           10841         AAD         5G NR (CP-OFDM, 198, 100 MHz, OPSK, 60 MHz)         5G NR FRI TOD         8.49           10843         AAD         5G NR (CP-OFDM, 50% FB, 55 MHz, OPSK, 60 MHz)         5G NR FRI TOD         8.49           10844         AAD         5G NR (CP-OFDM, 50% FB, 20 MHz, OPSK, 60 MHz)         5G NR FRI TOD         8.44           10845         AAD         5G NR (CP-OFDM, 50% FB, 20 MHz, OPSK, 60 HHz)         5G NR FRI TOD         8.34           10855         AAD         5G NR (CP-OFDM, 100% FB, 15 MHz, OPSK, 60 HHz)         5G NR FRI TOD         8.33           10856         AAD         5G NR (CP-OFDM, 100% FB, 20 MHz, OPSK, 60 HHz)         5G NR FRI TDD         8.33           10857         AAD         5G NR (CP-OFDM, 100% FB, 20 MHz, OPSK, 60 HHz)         5G NR FRI TDD         8.33           10858         AAD         5G NR (CP-OFDM, 100% FB, 20 MHz, OPSK, 60 HHz)         5G NR FRI TDD         8.34           10859         AAD         5G NR (CP-OFDM, 100% FB, 50 MHz, OPSK, 60 HHz)         5G NR FRI TDD         8.34           10850         AAD         5G NR (CP-OFDM, 100% FB, 50 MHz, OPSK, 60 HHz)         5G NR FRI TDD         8.34           10861         AD         5G NR (CP	±9.8
10841         AAD         5G NR (CP-OFDM, 188, 100MHz, OPSK, 60 KHz)         SG NR FR1 TDD         7,77           10843         AAD         SG NR (CP-OFDM, 50% RB, 15 MHz, OPSK, 60 KHz)         SG NR FR1 TDD         8,74           10844         AAD         SG NR (CP-OFDM, 50% RB, 15 MHz, OPSK, 60 KHz)         SG NR FR1 TDD         8,34           10846         AAD         SG NR (CP-OFDM, 100% RB, 10 MHz, OPSK, 60 KHz)         SG NR FR1 TDD         8,34           10856         AAD         SG NR (CP-OFDM, 100% RB, 15 MHz, OPSK, 60 KHz)         SG NR FR1 TDD         8,35           10856         AAD         SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 KHz)         SG NR FR1 TDD         8,35           10857         AAD         SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 KHz)         SG NR FR1 TDD         8,33           10858         AAD         SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 KHz)         SG NR FR1 TDD         8,34           10859         AAD         SG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 KHz)         SG NR FR1 TDD         8,43           10859         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 KHz)         SG NR FR1 TDD         8,44           10861         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 KHz)         SG NR FR1 TDD         8,44           10864         AD         SG NR	±9,6
19843         AAD         SG NR (CP-OPDM, 50% RB, 15MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.49           19844         AAD         SG NR (CP-OPDM, 50% RB, 20 MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.34           19844         AAD         SG NR (CP-OPDM, 50% RB, 20 MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.34           19855         AAD         SG NR (CP-OPDM, 100% RB, 20 MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.38           19856         AAD         SG NR (CP-OPDM, 100% RB, 20 MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.37           19857         AAD         SG NR (CP-OPDM, 100% RB, 20 MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.37           19857         AAD         SG NR (CP-OPDM, 100% RB, 30 MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.37           19857         AAD         SG NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.34           19869         AAD         SG NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.48           19861         AAD         SG NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.49           19863         AAD         SG NR (CP-OPDM, 100% RB, 50 MHz, OPSK, 60 kHz)         SG NR FRI TOD         8.49           19864         AD         SG N	±9.8
10844         AAD         5G NR (CP-OFDA, 50% RB, 30 MHz, OPSK, 60 MHz)         5G NR FR1 TOD         8.34           10846         AAD         5G NR (CP-OFDA, 100% RB, 30 MHz, OPSK, 60 MHz)         5G NR FR1 TOD         8.34           10857         AAD         5G NR (CP-OFDA, 100% RB, 15 MHz, OPSK, 60 HHz)         5G NR FR1 TDD         8.35           10856         AAD         5G NR (CP-OFDA, 100% RB, 25 MHz, OPSK, 60 HHz)         5G NR FR1 TDD         8.35           10857         AAD         5G NR (CP-OFDA, 100% RB, 25 MHz, OPSK, 60 HHz)         5G NR FR1 TDD         8.35           10858         AAD         5G NR (CP-OFDA, 100% RB, 25 MHz, OPSK, 60 HHz)         5G NR FR1 TDD         8.35           10859         AAD         5G NR (CP-OFDA, 100% RB, 20 MHz, OPSK, 60 HHz)         5G NR FR1 TDD         8.34           10859         AAD         5G NR (CP-OFDA, 100% RB, 50 MHz, OPSK, 60 HHz)         5G NR FR1 TDD         8.40           10861         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 HHz)         5G NR FR1 TDD         8.41           10864         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 HHz)         5G NR FR1 TDD         8.41           10864         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 60 HHz)         5G NR FR1 TDD         8.41           10865         AAD <td< td=""><td>±9.6</td></td<>	±9.6
10846         AAD         SG NR (CP-OFDM, 100%, FB, 30 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.41           10854         AAD         SG NR (CP-OFDM, 100%, FB, 15 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.33           10856         AAD         SG NR (CP-OFDM, 100%, FB, 15 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.35           10856         AAD         SG NR (CP-OFDM, 100%, FB, 25 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.35           10857         AAD         SG NR (CP-OFDM, 100%, FB, 50 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.35           10858         AAD         SG NR (CP-OFDM, 100%, FB, 50 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.46           10859         AAD         SG NR (CP-OFDM, 100%, FB, 50 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.47           10860         AAD         SG NR (CP-OFDM, 100%, FB, 50 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.40           10861         AAD         SG NR (CP-OFDM, 100%, FB, 50 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.47           10864         AAD         SG NR (CP-OFDM, 100%, FB, 50 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.47           10866         AAD         SG NR (CP-OFDM, 100%, FB, 100 MHz, OPSK, 50 KHz)         5G NR FR1 TDD         5.48           10866         AAD	+9.6
19854         AAD         GG NR FRI TOD         88, 10 MHz, QPSK, 60 KHz)         5G NR FRI TOD         8.34           19855         AAD         SG NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 KHz)         5G NR FRI TOD         8.33           19855         AAD         SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 KHz)         5G NR FRI TOD         8.33           19858         AAD         SG NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 KHz)         5G NR FRI TOD         8.33           19858         AAD         SG NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 KHz)         5G NR FRI TOD         8.34           19850         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 KHz)         5G NR FRI TOD         8.40           19861         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 KHz)         5G NR FRI TOD         8.40           19861         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 KHz)         5G NR FRI TOD         8.41           19864         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 KHz)         5G NR FRI TOD         8.41           19864         AAD         SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 KHz)         5G NR FRI TOD         8.41           19864         AAD         SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 50 KHz)         5G NR FRI TOD         8.41           19864         AAD	±9.6
19856         AAD         SO NR CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)         SO NR FRI TDD         8.36           19856         AAD         SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         SG NR RFI TDD         8.35           19857         AAD         SG NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)         SG NR RFI TDD         8.35           19858         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         SG NR FRI TDD         8.34           19859         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         SG NR FRI TDD         8.44           19860         AAD         SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         SG NR FRI TDD         8.44           19861         AAD         SG NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         SG NR FRI TDD         8.47           19864         AAD         SG NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)         SG NR FRI TDD         8.47           19866         AAD         SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)         SG NR FRI TDD         5.48           19868         AAD         SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)         SG NR FRI TDD         5.48           19869         AAD         SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)         SG NR FRI TDD         5.48           19869         AAD         <	+9.6
19856         AAD         5G NR (CP-OFDM, 100%, RB, 20 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.35           10857         AAO         5G NR (CP-OFDM, 100%, RB, 30 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.35           10858         AAD         5G NR (CP-OFDM, 100%, RB, 30 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.34           10859         AAD         5G NR (CP-OFDM, 100%, RB, 30 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.44           10860         AAD         5G NR (CP-OFDM, 100%, RB, 50 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.44           10861         AAD         5G NR (CP-OFDM, 100%, RB, 50 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.44           10864         AAD         5G NR (CP-OFDM, 100%, RB, 50 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.47           10865         AAD         5G NR (CP-OFDM, 100%, RB, 100 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.47           10866         AAD         5G NR (DFTa-OFDM, 100%, RB, 100 MHz, OPSK, 30 KHz)         5G NR FR1 TDD         5.48           10869         AAE         5G NR (DFTa-OFDM, 100%, RB, 100 MHz, OPSK, 120 KHz)         5G NR FR1 TDD         5.75           10870         AAE         5G NR (DFTa-OFDM, 100%, RB, 100 MHz, 0PSK, 120 KHz)         5G NR FR2 TDD         5.75           10871         <	+9.6
10857         AAD         5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.35           10858         AAD         5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.36           10859         AAD         5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41           10860         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.40           10861         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41           10864         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41           10864         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         5.43           10866         AAD         5G NR (DF-o-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.48           10866         AAD         5G NR (DF-o-OFDM, 100% RB, 100 MHz, QPSK, 120 Hz)         5G NR FR1 TDD         5.48           10870         AAE         5G NR (DF-o-OFDM, 100% RB, 100 MHz, QPSK, 120 Hz)         5G NR FR2 TDD         5.75           10870         AAE         5G NR (DF-o-OFDM, 100% RB, 100 MHz, QPSK, 120 Hz)         5G NR FR2 TDD         5.75           10872         AAE <td>+9.6</td>	+9.6
1985         AAD         EG NR (CP-OFDM, 100% RB, 30 MHz, OPSK, 60 kHz)         5G NR (CP-OFDM, 100% RB, 40 MHz, OPSK, 60 kHz)         5G NR (FR 1TDD         8.36           19860         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.44           19861         AAD         5G NR (CP-OFDM, 100% RB, 50 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.40           19881         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.41           19884         AAD         5G NR (CP-OFDM, 100% RB, 60 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         8.41           19885         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 60 kHz)         5G NR FR1 TDD         5.43           19885         AAD         5G NR (CPT+o-OFDM, 100% RB, 100 MHz, OPSK, 30 kHz)         5G NR FR1 TDD         5.48           19898         AAE         5G NR (DFT+o-OFDM, 100% RB, 100 MHz, OPSK, 120 Hz)         5G NR FR2 TDD         5.75           19870         AAE         5G NR (DFT+o-OFDM, 100% RB, 100 MHz, OPSK, 120 Hz)         5G NR FR2 TDD         5.75           19872         AAE         5G NR (DFT+o-OFDM, 100% RB, 100 MHz, 0PSK, 120 Hz)         5G NR FR2 TDD         5.75           19872         AAE         5G NR (PT+o-OFDM, 178, 100 MHz, 0PSK, 120 Hz)         5G NR FR2 TDD         5.75	+9.6
10859         AAD         SG NR ICP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)         SG NR IPR I TDD         8.34           10860         AAD         SG NR ICP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)         SG NR IPR I TDD         8.40           10881         AAD         SG NR ICP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         SG NR IPR I TDD         8.41           10881         AAD         SG NR ICP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)         SG NR IPR I TDD         8.41           10884         AAD         SG NR ICP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         SG NR IPR I TDD         8.43           10885         AAD         SG NR ICP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)         SG NR IPR I TDD         5.48           10886         AAD         SG NR ICPT+OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)         SG NR IPR I TDD         5.48           10898         AAE         SG NR ICPT+OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         SG NR IPR 2 TDD         5.75           10870         AAE         SG NR ICPT+OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz)         SG NR IPR 2 TDD         5.75           10871         AAE         SG NR ICPT+OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz)         SG NR IPR 2 TDD         5.75           10872         AAE         SG NR ICPT+OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz)         SG NR IPR 2 TDD         5.75 <td< td=""><td>+9.6</td></td<>	+9.6
10880         AAD         5G NR ICP-OFDM, 100% RB, 50 MHz, OPSK, 60 kHz)         5G NR ICP-OFDM, 100% RB, 60 MHz, OPSK, 60 kHz)         5G NR ICP-OFDM, 100% RB, 60 MHz, OPSK, 60 kHz)         5G NR ICP-OFDM, 100% RB, 80 MHz, OPSK, 60 kHz)         5G NR IF1 TDD         8.40           10881         AAD         5G NR ICP-OFDM, 100% RB, 80 MHz, OPSK, 60 kHz)         5G NR IF1 TDD         8.41           10882         AAD         5G NR ICP-OFDM, 100% RB, 80 MHz, OPSK, 60 kHz)         5G NR IF1 TDD         8.41           10885         AAD         5G NR ICP-OFDM, 100% RB, 100 MHz, OPSK, 60 kHz)         5G NR IF1 TDD         5.48           10886         AAD         5G NR ICPT+>OFDM, 100% RB, 100 MHz, OPSK, 30 kHz)         5G NR IF1 TDD         5.48           10886         AAD         5G NR ICPT+>OFDM, 100% RB, 100 MHz, OPSK, 120 HHz)         5G NR IFR1 TDD         5.48           10898         AAE         5G NR ICPT+>OFDM, 100% RB, 100 MHz, OPSK, 120 HHz)         5G NR IFR2 TDD         5.75           10870         AAE         5G NR ICPT+>OFDM, 100% RB, 100 MHz, OPSK, 120 HHz)         5G NR IFR2 TDD         5.89           10871         AAE         5G NR ICPT+>OFDM, 178, 100 MHz, 16QAM, 120 Hz)         5G NR IFR2 TDD         5.57           10872         AAE         5G NR ICPT+>OFDM, 178, 100 MHz, 6QAM, 120 Hz)         5G NR IFR2 TDD         5.57           10873	+9.6
10861         AAD         5G NR (CP-OFDM, 100%, R8, B0 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.40           10863         AAD         5G NR (CP-OFDM, 100%, R8, B0 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41           10864         AAD         5G NR (CP-OFDM, 100%, R8, B0 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         8.41           10865         AAD         5G NR (CP-OFDM, 100%, R8, B0 MHz, QPSK, 60 kHz)         5G NR FR1 TDD         5.43           10865         AAD         5G NR (DFT-s-OFDM, 100%, R8, 100 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.48           10866         AAD         5G NR (DFT-s-OFDM, 100%, R8, 100 MHz, QPSK, 120 kHz)         5G NR FR1 TDD         5.75           10899         AAE         5G NR (DFT-s-OFDM, 100%, R8, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.76           10870         AAE         5G NR (DFT-s-OFDM, 100%, R8, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         5.86           10871         AAE         5G NR (DFT-s-OFDM, 100%, R8, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         5.86           10872         AAE         5G NR (DFT-s-OFDM, 100%, R8, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.81           10874         AAE         5G NR (DFT-s-OFDM, 100%, R8, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.81	+9.6
10863         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 60 kHz)         5G NR FH1 TDD         8.47           10864         AAD         5G NR (CP-OFDM, 100% RB, 80 MHz, OPSK, 60 kHz)         5G NR FH1 TDD         8.37           10865         AAD         5G NR (CP-OFDM, 100% RB, 100 MHz, OPSK, 60 kHz)         5G NR FH1 TDD         8.47           10866         AAD         5G NR (DFTa-OFDM, 100% RB, 100 MHz, OPSK, 30 kHz)         5G NR FH1 TDD         5.89           10866         AAD         5G NR (DFTa-OFDM, 100% RB, 100 MHz, OPSK, 120 Hz)         5G NR FH1 TDD         5.89           10869         AAE         5G NR (DFTa-OFDM, 100% RB, 100 MHz, OPSK, 120 Hz)         5G NR FH2 TDD         5.75           10870         AAE         5G NR (DFTa-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FH2 TDD         5.75           10871         AAE         5G NR (DFTa-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         5.75           10872         AAE         5G NR (DFTa-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         5.75           10872         AAE         5G NR (DFTa-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.81           10874         AAE         5G NR (DFTa-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         7.78           10875 <td>+9.8</td>	+9.8
10864         AAD         BG NR ICP-OFDM, 100% RB, 90 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         8.37           10865         AAD         SG NR (DFTa-OFDM, 100% RB, 100 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         5.68           10866         AAD         SG NR (DFTa-OFDM, 100% RB, 100 MHz, OPSK, 60 KHz)         5G NR FR1 TDD         5.68           10868         AAD         SG NR (DFTa-OFDM, 100% RB, 100 MHz, OPSK, 30 KHz)         5G NR FR1 TDD         5.68           10889         AAE         SG NR (DFTa-OFDM, 100% RB, 100 MHz, OPSK, 120 Hz)         5G NR FR2 TDD         5.75           10870         AAE         SG NR (DFTa-OFDM, 100% RB, 100 MHz, OPSK, 120 KHz)         5G NR FR2 TDD         5.75           10871         AAE         SG NR (DFTa-OFDM, 100% RB, 100 MHz, 160 AM, 120 KHz)         5G NR FR2 TDD         5.75           10872         AAE         SG NR (DFTa-OFDM, 100% RB, 100 MHz, 160 AM, 120 KHz)         5G NR FR2 TDD         6.65           10873         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 0PSK, 120 KHz)         5G NR FR2 TDD         6.85           10874         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 0PSK, 120 KHz)         5G NR FR2 TDD         7.78           10876         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 0PSK, 120 KHz)         5G NR FR2 TDD         7.78           10877 <td>+9.6</td>	+9.6
10865         AAD         SG NR ICP-OFDM, 100% RB, 100 MHz, QPSK, 60 KHz)         SG NR FR1 TDD         6.41           10866         AAD         SG NR (DFTa-OFDM, 1 RB, 100 MHz, QPSK, 30 KHz)         SG NR FR1 TDD         5.68           10886         AAD         SG NR (DFTa-OFDM, 100% RB, 100 MHz, QPSK, 30 KHz)         SG NR FR1 TDD         5.69           10899         AAE         SG NR (DFTa-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)         SG NR FR2 TDD         5.75           10897         AAE         SG NR (DFTa-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)         SG NR FR2 TDD         5.75           10870         AAE         SG NR (DFTa-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)         SG NR FR2 TDD         5.75           10871         AAE         SG NR (DFTa-OFDM, 100% RB, 100 MHz, 160AM, 120 KHz)         SG NR FR2 TDD         6.52           10873         AAE         SG NR (DFTa-OFDM, 100% RB, 100 MHz, 160AM, 120 KHz)         SG NR FR2 TDD         6.85           10874         AAE         SG NR (DFTa-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)         SG NR FR2 TDD         7.78           10876         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 KHz)         SG NR FR2 TDD         8.45           10877         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 160AM, 120 KHz)         SG NR FR2 TDD         8.41           10878 <td>-9.6</td>	-9.6
10866         AAD         BG NR (DFTs-OFDM, 1 HB, 100 MHz, QPSK, 30 KHz)         5G NR FR1 TDD         5.68           10868         AAD         5G NR (DFTs-OFDM, 100% FB, 100 MHz, QPSK, 120 HHz)         5G NR FR1 TDD         5.69           10809         AAE         5G NR (DFTs-OFDM, 100% FB, 100 MHz, QPSK, 120 HHz)         5G NR FR2 TDD         5.75           10807         AAE         5G NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 120 HHz)         5G NR FR2 TDD         5.75           10871         AAE         5G NR (DFTs-OFDM, 100% FB, 100 MHz, QPSK, 120 HHz)         5G NR FR2 TDD         6.52           10872         AAE         5G NR (DFTs-OFDM, 100% FB, 100 MHz, 160 AM, 120 KHz)         5G NR FR2 TDD         6.52           10873         AAE         5G NR (DFTs-OFDM, 100% FB, 100 MHz, 6QAM, 120 KHz)         5G NR FR2 TDD         6.61           10874         AAE         5G NR (CP-OFDM, 100% FB, 100 MHz, QPSK, 120 KHz)         5G NR FR2 TDD         7.78           10876         AAE         5G NR (CP-OFDM, 100% FB, 100 MHz, QPSK, 120 KHz)         5G NR FR2 TDD         8.39           10877         AAE         5G NR (CP-OFDM, 100% FB, 100 MHz, 16QAM, 120 KHz)         5G NR FR2 TDD         8.39           10876         AAE         5G NR (CP-OFDM, 100% FB, 100 MHz, 6QAM, 120 KHz)         5G NR FR2 TDD         8.39           10877	+9.6
10888         AAD         SG NR (DFTs-OFDM, 100% FIB, 100 MHz, QPSK, 30 kHz)         SG NR FR1 TDD         5.89           10809         AAE         SG NR (DFTs-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)         SG NR FR2 TDD         5.75           10870         AAE         SG NR (DFTs-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         SG NR FR2 TDD         5.86           10871         AAE         SG NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz)         SG NR FR2 TDD         5.86           10872         AAE         SG NR (DFTs-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz)         SG NR FR2 TDD         6.52           10873         AAE         SG NR (DFTs-OFDM, 100% RB, 100 MHz, 640 AM, 120 kHz)         SG NR FR2 TDD         6.65           10874         AAE         SG NR (DFTs-OFDM, 100% RB, 100 MHz, 640 AM, 120 kHz)         SG NR FR2 TDD         6.85           10876         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 040 AM, 120 kHz)         SG NR FR2 TDD         7.95           10877         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 160 AM, 120 kHz)         SG NR RF2 TDD         7.95           10878         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 640 AM, 120 kHz)         SG NR RF2 TDD         8.39           10879         AAE         SG NR (CP-OFDM, 1 RB, 100 MHz, 640 AM, 120 kHz)         SG NR RF2 TDD         8.41           <	+9.6
10889         AAE         5G NR (DFT=-OFDM, 1 RB, 100 MHz, QPSK, 120 HHz)         5G NR FR2 TDD         5.75           10870         AAE         5G NR (DFT=-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         5.86           10871         AAE         5G NR (DFT=-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.52           10872         AAE         5G NR (DFT=-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.52           10874         AAE         5G NR (DFT=-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         6.65           10875         AAE         5G NR (DFT=-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         7.78           10876         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)         5G NR FR2 TDD         7.78           10877         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.39           10878         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.41           10878         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.42           10879         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         5.95           10880	+9.6
DB70         AAE         5G NR (DFTa-OFDM, 100%, RB, 100 MHz, QPSK, 120 HHz)         5G NR FR2 TDD         5.75           10871         AAE         5G NR (DFTa-OFDM, 100%, RB, 100 MHz, 16QAM, 120 HHz)         5G NR FR2 TDD         5.75           10872         AAE         5G NR (DFTa-OFDM, 1 RB, 100 MHz, 16QAM, 120 HHz)         5G NR FR2 TDD         6.57           10872         AAE         5G NR (DFTa-OFDM, 1 RB, 100 MHz, 16QAM, 120 HHz)         5G NR FR2 TDD         6.51           10874         AAE         5G NR (DFTa-OFDM, 100%, RB, 100 MHz, 64QAM, 120 HHz)         5G NR FR2 TDD         6.65           10875         AAE         5G NR (CP-OFDM, 100%, RB, 100 MHz, 64QAM, 120 HHz)         5G NR FR2 TDD         7.78           10876         AAE         5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 HHz)         5G NR FR2 TDD         8.39           10877         AAE         5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 HHz)         5G NR FR2 TDD         8.41           10878         AAE         5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 HHz)         5G NR FR2 TDD         8.41           10879         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 HHz)         5G NR FR2 TDD         8.41           10879         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 HHz)         5G NR FR2 TDD         5.75           10880<	3.0+
NAE         SG NR (DFT=OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)         SG NR FR2 TDD         6.575           10872         AAE         SG NR (DFT=OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)         SG NR FR2 TDD         6.52           10873         AAE         SG NR (DFT=OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)         SG NR FR2 TDD         6.51           10874         AAE         SG NR (DFT=OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)         SG NR FR2 TDD         6.61           10875         AAE         SG NR (DFT=OFDM, 100% RB, 100 MHz, 04QAM, 120 kHz)         SG NR FR2 TDD         7.78           10876         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 04QK, 120 kHz)         SG NR FR2 TDD         8.39           10877         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 04QK, 120 kHz)         SG NR FR2 TDD         8.39           10877         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 160AM, 120 kHz)         SG NR FR2 TDD         8.41           10878         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 160AM, 120 kHz)         SG NR FR2 TDD         8.41           10879         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 160AM, 120 kHz)         SG NR FR2 TDD         8.42           10880         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 040AM, 120 kHz)         SG NR FR2 TDD         5.75           10880         AAE	10.6
DB72         AAE         5G NR (DFT=-OFDM, 100% RB, 100MHz, 18QAM, 120Hz)         5G NR FR2 TDD         6.52           10872         AAE         5G NR (DFT=-OFDM, 100% RB, 100MHz, 18QAM, 120Hz)         5G NR FR2 TDD         6.61           10874         AAE         5G NR (DFT=-OFDM, 100% RB, 100MHz, 64QAM, 120Hz)         5G NR FR2 TDD         6.61           10875         AAE         5G NR (DFT=-OFDM, 100% RB, 100MHz, 0PSK, 120Hz)         5G NR FR2 TDD         6.81           10876         AAE         5G NR (CP-OFDM, 100% RB, 100MHz, 0PSK, 120Hz)         5G NR FR2 TDD         6.93           10876         AAE         5G NR (CP-OFDM, 100% RB, 100MHz, 0PSK, 120Hz)         5G NR FR2 TDD         6.93           10877         AAE         5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120Hz)         5G NR FR2 TDD         6.94           10878         AAE         5G NR (CP-OFDM, 100% RB, 100MHz, 16QAM, 120Hz)         5G NR FR2 TDD         8.41           10879         AAE         5G NR (CP-OFDM, 100% RB, 100MHz, 64QAM, 120Hz)         5G NR FR2 TDD         8.41           10879         AAE         5G NR (DFT=-OFDM, 100% RB, 50 MHz, 102Hz)         5G NR FR2 TDD         8.38           10880         AAE         5G NR (DFT=-OFDM, 100% RB, 50 MHz, 102AHz)         5G NR FR2 TDD         5.75           10882         AAE         5G N	10.0
NAE         5G NR (DFT=-OFDM, 1 RB, 100 M+2, 64QAM, 120 kHz)         5G NR FR2 TDD         6.61           10874         AAE         5G NR (DFT=-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         6.65           10875         AAE         5G NR (DFT=-OFDM, 100% RB, 100 MHz, 0PSK, 120 kHz)         5G NR FR2 TDD         7.78           10876         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 0PSK, 120 kHz)         5G NR FR2 TDD         7.78           10877         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 0PSK, 120 kHz)         5G NR FR2 TDD         7.95           10877         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.41           10877         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)         5G NR FR2 TDD         8.41           10878         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.42           10880         AAE         5G NR (DFT=-OFDM, 1 RB, 50 MHz, OPSK, 120 kHz)         5G NR FR2 TDD         5.95           10882         AAE         5G NR (DFT=-OFDM, 1 RB, 50 MHz, OPSK, 120 kHz)         5G NR FR2 TDD         5.96           10883         AAE         5G NR (DFT=-OFDM, 1 RB, 50 MHz, OPSK, 120 kHz)         5G NR FR2 TDD         6.57           10884         AAE         5G NR (DFT=-O	10.0
TAB         SG NR (DFTa-OFDM, 100%, RB, 100MHz, 64QAM, 120HHz)         SG NR FR2 TDD         6.85           10874         AAE         5G NR (DFTa-OFDM, 100%, RB, 100MHz, GPSK, 120HHz)         SG NR FR2 TDD         6.85           10875         AAE         5G NR (CP-OFDM, 100%, RB, 100MHz, QPSK, 120HHz)         SG NR FR2 TDD         8.39           10876         AAE         5G NR (CP-OFDM, 100%, RB, 100MHz, QPSK, 120HHz)         SG NR FR2 TDD         8.39           10877         AAE         5G NR (CP-OFDM, 100%, RB, 100MHz, 16QAM, 120HHz)         SG NR FR2 TDD         8.41           10878         AAE         5G NR (CP-OFDM, 100%, RB, 100MHz, 16QAM, 120HHz)         SG NR FR2 TDD         8.41           10878         AAE         5G NR (CP-OFDM, 100%, RB, 100MHz, 64QAM, 120HHz)         SG NR FR2 TDD         8.41           10879         AAE         5G NR (CP-OFDM, 100%, RB, 50 MHz, 64QAM, 120HHz)         SG NR FR2 TDD         8.42           10880         AAE         5G NR (DFTa-OFDM, 100%, RB, 50 MHz, 0PSK, 120HHz)         SG NR FR2 TDD         5.75           10882         AAE         5G NR (DFTa-OFDM, 100%, RB, 50 MHz, 0PSK, 120HHz)         SG NR FR2 TDD         5.65           10883         AAE         5G NR (DFTa-OFDM, 100%, RB, 50 MHz, 64QAM, 120Hz)         SG NR FR2 TDD         6.65           10884         AAE	49.6
NAE         SG NR (CP-OFDM, 1 R8, 100 MHz, OPSK, 120 kHz)         SG NR FR2 TDD         5.33           10875         AAE         5G NR (CP-OFDM, 1 R8, 100 MHz, OPSK, 120 kHz)         SG NR FR2 TDD         8.39           10876         AAE         5G NR (CP-OFDM, 100% R8, 100 MHz, QPSK, 120 kHz)         SG NR FR2 TDD         8.39           10877         AAE         5G NR (CP-OFDM, 1 R8, 100 MHz, 16QAM, 120 kHz)         SG NR FR2 TDD         8.41           10877         AAE         5G NR (CP-OFDM, 1 R8, 100 MHz, 16QAM, 120 kHz)         SG NR FR2 TDD         8.41           10878         AAE         5G NR (CP-OFDM, 100% R8, 100 MHz, 16QAM, 120 kHz)         SG NR FR2 TDD         8.41           10879         AAE         5G NR (CP-OFDM, 100% R8, 100 MHz, 64QAM, 120 kHz)         SG NR FR2 TDD         8.42           10880         AAE         SG NR (CP-OFDM, 1 R8, 50 MHz, 0PSK, 120 kHz)         SG NR FR2 TDD         8.38           10881         AAE         SG NR (DFTa-OFDM, 1 R8, 50 MHz, 0PSK, 120 kHz)         SG NR FR2 TDD         6.56           10883         AAE         SG NR (DFTa-OFDM, 100% R8, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TDD         6.57           10884         AAE         SG NR (DFTa-OFDM, 100% R8, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TDD         6.56           10889         AAE         SG NR (DFT	10.0
TAB         SG NR (CP-OFDM, 100% RB, 100/MHz, GPSK, 120/Hz)         SG NR FR2 TDD         6.39           10876         AAE         5G NR (CP-OFDM, 100% RB, 100/MHz, 160/AM, 120/Hz)         SG NR FR2 TDD         6.39           10877         AAE         5G NR (CP-OFDM, 1 RB, 100/MHz, 160/AM, 120/Hz)         SG NR FR2 TDD         8.41           10878         AAE         5G NR (CP-OFDM, 100% RB, 100/MHz, 160/AM, 120/Hz)         SG NR FR2 TDD         8.41           10879         AAE         5G NR (CP-OFDM, 100% RB, 100/MHz, 460/AM, 120/Hz)         SG NR FR2 TDD         8.41           10880         AAE         5G NR (CP-OFDM, 100% RB, 100/MHz, 640/AM, 120/Hz)         SG NR FR2 TDD         8.38           10881         AAE         5G NR (DFTOFDM, 100% RB, 50/MHz, 0PSK, 120/Hz)         SG NR FR2 TDD         5.75           10882         AAE         5G NR (DFTOFDM, 100% RB, 50/MHz, 0PSK, 120/Hz)         SG NR FR2 TDD         5.98           10882         AAE         5G NR (DFTOFDM, 100% RB, 50/MHz, 0PSK, 120/Hz)         SG NR FR2 TDD         6.53           10884         AAE         SG NR (DFTOFDM, 100% RB, 50/MHz, 160/AM, 120/Hz)         SG NR FR2 TDD         6.61           10885         AAE         SG NR (DFTOFDM, 100% RB, 50/MHz, 640/AM, 120/Hz)         SG NR FR2 TDD         6.61           10886         AAE	19.0
NAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 160AM, 120 HHz)         5G NR FR2 TDD         5G NR FR2 TDD         8.41           10877         AAE         5G NR (CP-OFDM, 1 RB, 100 MHz, 160AM, 120 HHz)         5G NR FR2 TDD         8.41           10878         AAE         5G NR (CP-OFDM, 100% RB, 100 MHz, 160AM, 120 HHz)         5G NR FR2 TDD         8.41           10878         AAE         5G NR (CP-OFDM, 100% RB, 100 MHz, 120 HHz)         5G NR FR2 TDD         8.12           10880         AAE         5G NR (CP-OFDM, 1 RB, 500 MHz, 64QAM, 120 HHz)         5G NR FR2 TDD         8.38           10881         AAE         5G NR (CP-OFDM, 1 RB, 500 MHz, 64QAM, 120 HHz)         5G NR FR2 TDD         5.75           10882         AAE         5G NR (DFTs-OFDM, 1 RB, 50 MHz, OPSK, 120 HHz)         5G NR FR2 TDD         5.96           10883         AAE         5G NR (DFTs-OFDM, 100% RB, 50 MHz, 160AM, 120 HHz)         5G NR FR2 TDD         6.57           10884         AAE         5G NR (DFTs-OFDM, 100% RB, 50 MHz, 160AM, 120 HHz)         5G NR FR2 TDD         6.57           10885         AAE         5G NR (DFTs-OFDM, 170% RB, 50 MHz, 640AM, 120 HHz)         5G NR FR2 TDD         6.65           10886         AAE         5G NR (DFTs-OFDM, 170% RB, 50 MHz, 640AM, 120 HHz)         5G NR FR2 TDD         6.65           10887         <	10.0
TALE         SG NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 HHz)         SG NR FR2 TDD         8.41           10878         AAE         SG NR FR2 TDD         6.41         10878         AAE         SG NR FR2 TDD         8.41           10878         AAE         SG NR (CP-OFDM, 10% RB, 100 MHz, 64QAM, 120 HHz)         SG NR FR2 TDD         8.42           10880         AAE         SG NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 HHz)         SG NR FR2 TDD         8.32           10881         AAE         SG NR (DFTa-OFDM, 1 RB, 50 MHz, QPSK, 120 HHz)         SG NR FR2 TDD         5.75           10882         AAE         SG NR (DFTa-OFDM, 100% RB, 50 MHz, QPSK, 120 HHz)         SG NR FR2 TDD         6.57           10883         AAE         SG NR (DFTa-OFDM, 100% RB, 50 MHz, 16QAM, 120 HHz)         SG NR FR2 TDD         6.57           10884         AAE         SG NR (DFTa-OFDM, 100% RB, 50 MHz, 16QAM, 120 HHz)         SG NR FR2 TDD         6.57           10885         AAE         SG NR (DFTa-OFDM, 100% RB, 50 MHz, 64QAM, 120 Hz)         SG NR FR2 TDD         6.65           10886         AAE         SG NR (DFTa-OFDM, 100% RB, 50 MHz, 64QAM, 120 Hz)         SG NR FR2 TDD         6.65           10887         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 Hz)         SG NR FR2 TDD         6.81           10888<	10.0
MAE         SG NR (CP-OFDM, 1 R8, 100 MHz, 64QAM, 120 HHz)         SG NR FR2 TDD         6.12           108379         AAE         SG NR (CP-OFDM, 1 R8, 100 MHz, 64QAM, 120 HHz)         SG NR FR2 TDD         6.12           10880         AAE         SG NR (CP-OFDM, 1 R8, 100 MHz, 64QAM, 120 HHz)         SG NR FR2 TDD         8.38           10881         AAE         SG NR (DFTa-OFDM, 1 R8, 50 MHz, QPSK, 120 HHz)         SG NR FR2 TDD         5.75           10882         AAE         SG NR (DFTa-OFDM, 1 R8, 50 MHz, QPSK, 120 HHz)         SG NR FR2 TDD         5.67           10883         AAE         SG NR (DFTa-OFDM, 1 R8, 50 MHz, 160AM, 120 HHz)         SG NR FR2 TDD         6.57           10884         AAE         SG NR (DFTa-OFDM, 1 R8, 50 MHz, 160AM, 120 HHz)         SG NR FR2 TDD         6.57           10885         AAE         SG NR (DFTa-OFDM, 100% R8, 50 MHz, 160AM, 120 HHz)         SG NR FR2 TDD         6.57           10886         AAE         SG NR (DFTa-OFDM, 100% R8, 50 MHz, 160AM, 120 HHz)         SG NR FR2 TDD         6.81           10886         AAE         SG NR (CP-OFDM, 1 R8, 50 MHz, 64QAM, 120 HHz)         SG NR FR2 TDD         6.85           10887         AAE         SG NR (CP-OFDM, 1 R8, 50 MHz, 64QAM, 120 HHz)         SG NR FR2 TDD         8.35           10888         AAE         SG NR (CP-OFD	10.0
Number         State         State <t< td=""><td>+9.0</td></t<>	+9.0
Note         Sol NR (QF - OFDM, 100%, RB, 50 MHz, QPSK, 120 kHz)         Sol NR FR2 TDD         6.39           10881         AAE         SG NR (DF +s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         SG NR FR2 TDD         5.75           10882         AAE         SG NR (DF +s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)         SG NR FR2 TDD         5.96           10883         AAE         SG NR (DF +s-OFDM, 1 00% RB, 50 MHz, 160AM, 120 kHz)         SG NR FR2 TDD         6.57           10884         AAE         SG NR (DF +s-OFDM, 1 00% RB, 50 MHz, 160AM, 120 kHz)         SG NR FR2 TDD         6.57           10885         AAE         SG NR (DF +s-OFDM, 1 00% RB, 50 MHz, 160AM, 120 kHz)         SG NR FR2 TDD         6.65           10886         AAE         SG NR (DF +s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TDD         6.65           10886         AAE         SG NR (DF +s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TDD         6.65           10887         AAE         SG NR (DF +s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TDD         8.02           10888         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 0PSK, 120 kHz)         SG NR FR2 TDD         8.02           10889         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)         SG NR FR2 TDD         8.02           10889         AAE	10.6
Mate         SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 05 K, 120 MHz)         SG NR FR2 TDD         5.75           10882         AAE         SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 160AM, 120 HHz)         SG NR FR2 TDD         6.57           10883         AAE         SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 160AM, 120 HHz)         SG NR FR2 TDD         6.57           10884         AAE         SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 160AM, 120 HHz)         SG NR FR2 TDD         6.57           10885         AAE         SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 640AM, 120 HHz)         SG NR FR2 TDD         6.65           10885         AAE         SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 640AM, 120 HHz)         SG NR FR2 TDD         6.65           10886         AAE         SG NR (DFT-s-OFDM, 100% RB, 50 MHz, 640AM, 120 HHz)         SG NR FR2 TDD         6.65           10887         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 0PSK, 120 Hz)         SG NR FR2 TDD         7.78           10888         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 0PSK, 120 Hz)         SG NR FR2 TDD         8.02           10889         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 0PSK, 120 Hz)         SG NR FR2 TDD         8.02           10889         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 0PSK, 120 Hz)         SG NR FR2 TDD         8.02           10889         AAE	10.0
NALE         SG NR (DFTs-OFDM, 100% RB, 50 MHz, 160 AM, 120 Hz)         SG NR FR2 TDD         6.57           10883         AAE         SG NR (DFTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 Hz)         SG NR FR2 TDD         6.57           10884         AAE         SG NR (DFTs-OFDM, 1 RB, 50 MHz, 160 AM, 120 Hz)         SG NR FR2 TDD         6.57           10885         AAE         SG NR (DFTs-OFDM, 1 RB, 50 MHz, 640 AM, 120 Hz)         SG NR FR2 TDD         6.61           10886         AAE         SG NR (DFTs-OFDM, 1 RB, 50 MHz, 640 AM, 120 Hz)         SG NR FR2 TDD         6.61           10886         AAE         SG NR (DFTs-OFDM, 1 RB, 50 MHz, 640 AM, 120 Hz)         SG NR FR2 TDD         6.61           10887         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 0 PSK, 120 Hz)         SG NR FR2 TDD         6.82           10887         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 0 PSK, 120 Hz)         SG NR FR2 TDD         8.35           10889         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 0 PSK, 120 Hz)         SG NR FR2 TDD         8.02           10889         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 160 AM, 120 Hz)         SG NR FR2 TDD         8.02           10889         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 160 AM, 120 Hz)         SG NR FR2 TDD         8.02           10889         AAE         SG NR (CP-OFDM, 1 RB	10.8
Mate         SG NR (DF-s-OFDM, 100% RB, 50 MHz, 60 AM, 120 HHz)         SG NR FR2 TDD         6.53           10886         AAE         SG NR (DF-s-OFDM, 100% RB, 50 MHz, 64 QAM, 120 HHz)         SG NR FR2 TDD         6.61           10886         AAE         SG NR (DF-s-OFDM, 100% RB, 50 MHz, 64 QAM, 120 HHz)         SG NR FR2 TDD         6.61           10886         AAE         SG NR (DF-s-OFDM, 100% RB, 50 MHz, 64 QAM, 120 HHz)         SG NR FR2 TDD         6.65           10886         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 HHz)         SG NR FR2 TDD         6.65           10887         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 HHz)         SG NR FR2 TDD         8.35           10888         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 Hz)         SG NR FR2 TDD         8.35           10889         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 180 AHz)         SG NR FR2 TDD         8.40           10890         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 180 AHz)         SG NR FR2 TDD         8.40           10891         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 46QAM, 120 Hz)         SG NR FR2 TDD         8.40           10892         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 Hz)         SG NR FR2 TDD         8.40           10892         AAE         SG NR (CP-OFDM, 1 RB, 50 M	10.0
Note         Sign R (DFTs-OFDM, 100% RB, 50 MHz, 640AM, 120 Hz)         Sign R (DFTs-OFDM, 100% RB, 50 MHz, 640AM, 120 Hz)         Sign R (DFTs-OFDM, 100% RB, 50 MHz, 640AM, 120 Hz)         Sign R (DFTs-OFDM, 100% RB, 50 MHz, 640AM, 120 Hz)         Sign R (DFTs-OFDM, 100% RB, 50 MHz, 640AM, 120 Hz)         Sign R FR2 TDD         6.65           10885         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 0PSK, 120 Hz)         SG NR FR2 TDD         6.65           10887         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 0PSK, 120 Hz)         SG NR FR2 TDD         6.65           10888         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 0PSK, 120 Hz)         SG NR FR2 TDD         8.35           10889         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 180 AHz)         SG NR FR2 TDD         8.02           10890         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 180 AHz)         SG NR FR2 TDD         8.02           10891         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 180 AHz)         SG NR FR2 TDD         8.40           10891         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 640AM, 120 kHz)         SG NR FR2 TDD         8.40           10892         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 640AM, 120 kHz)         SG NR FR2 TDD         8.40           10892         AAE         SG NR (CP-OFDM, 1 RB, 50 MHz, 0PSK, 30 Hz)         SG NR FR1 TDD         8.60           1089	19.0
Mate         SG NR (DFTs-OFDM, 1005 RB, 50 MHz, 60 AM, 120 Hz)         SG NR FR2 TDD         6.65           10886         AAE         SG NR (CP-OFDM, 1005 RB, 50 MHz, 00 AAM, 120 Hz)         SG NR FR2 TDD         6.65           10887         AAE         SG NR (CP-OFDM, 1005 RB, 50 MHz, 00 SK, 120 Hz)         SG NR FR2 TDD         6.65           10888         AAE         SG NR (CP-OFDM, 1005 RB, 50 MHz, 00 SK, 120 Hz)         SG NR FR2 TDD         8.02           10888         AAE         SG NR (CP-OFDM, 1005 RB, 50 MHz, 00 SK, 120 Hz)         SG NR FR2 TDD         8.02           10889         AAE         SG NR (CP-OFDM, 1005 RB, 50 MHz, 160 AM, 120 kHz)         SG NR FR2 TDD         8.02           10890         AAE         SG NR (CP-OFDM, 1005 RB, 50 MHz, 160 AM, 120 kHz)         SG NR FR2 TDD         8.02           10891         AAE         SG NR (CP-OFDM, 1005 RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TDD         8.40           10892         AAE         SG NR (CP-OFDM, 1005 RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TDD         8.13           10892         AAE         SG NR (CP-OFDM, 1005 RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TDD         8.13           10892         AAE         SG NR (CP-OFDM, 1005 RB, 50 MHz, 05 K, 30 Hz)         SG NR FR1 TDD         8.40           10897         AAC         SG	19.0
10887         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 Hz)         5G NR FR2 TDD         8.85           10887         AAE         5G NR (CP-OFDM, 188, 50 MHz, QPSK, 120 Hz)         5G NR FR2 TDD         8.35           10888         AAE         5G NR (CP-OFDM, 188, 50 MHz, QPSK, 120 Hz)         5G NR FR2 TDD         8.35           10889         AAE         5G NR (CP-OFDM, 188, 50 MHz, QPSK, 120 Hz)         5G NR FR2 TDD         8.35           10890         AAE         5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 Hz)         5G NR FR2 TDD         8.40           10891         AAE         5G NR (CP-OFDM, 1 RB, 50 MHz, 160 AM, 120 kHz)         5G NR FR2 TDD         8.40           10891         AAE         5G NR (CP-OFDM, 100% RB, 50 MHz, 120 kHz)         5G NR FR2 TDD         8.40           10892         AAE         5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41           10892         AAE         5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.13           10892         AAE         5G NR (DFTs-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)         5G NR FR2 TDD         8.41           10892         AAE         5G NR (DFTs-OFDM, 1 RB, 50 MHz, 0PSK, 30 kHz)         5G NR FR1 TDD         5.67           10898         AAB         5G NR (DFTs-OFDM, 1 R	±9.0
Mile         John (OF-OFDM, 110), 50 MHz, CPSK, 120 MHz, 20 SK, 120 KHz, 20 SK	19.8
Num         Status         Status <td>+9.6</td>	+9.6
Number         SG NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)         SG NR FR2 TD0         8.40           10890         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)         SG NR FR2 TD0         8.40           10891         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TD0         8.13           10892         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TD0         8.14           10892         AAE         SG NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TD0         8.41           10892         AAE         SG NR (CP-OFDM, 10% RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TD0         8.41           10897         AAC         SG NR (DFTs-OFDM, 1 RB, 50 MHz, GPSK, 30 kHz)         SG NR FR1 TD0         5.66           10898         AAB         SG NR (DFTs-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)         SG NR FR1 TD0         5.67           10898         AAB         SG NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         SG NR FR1 TD0         5.67           10898         AAB         SG NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         SG NR FR1 TD0         5.67	19.8
Install         Solution         Install         Install         Solution         Solution <t< td=""><td>+9.6</td></t<>	+9.6
And         SG NR (DFTs-OFDM, 10% RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TD0         8.13           10882         AAC         SG NR (DFTs-OFDM, 10% RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR2 TD0         8.41           10887         AAC         SG NR (DFTs-OFDM, 10% RB, 50 MHz, 64QAM, 120 kHz)         SG NR FR1 TD0         5.66           10898         AAB         SG NR (DFTs-OFDM, 1 RB, 10 MHz, OPSK, 30 kHz)         SG NR FR1 TD0         5.67           10898         AAB         SG NR (DFTs-OFDM, 1 RB, 15 MHz, OPSK, 30 kHz)         SG NR FR1 TD0         5.67           10899         AAB         SG NR (DFTs-OFDM, 1 RB, 15 MHz, OPSK, 30 kHz)         SG NR FR1 TD0         5.67	19.6
Note         Set RF (QF-10-M), 100% Rb, 30 MPz, 36 QAM, 1a0 kHz)         SG NR HR 2T DD         8.41           10887         AAC         5G NR (DFTs-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.66           10898         AAB         5G NR (DFTs-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67           10898         AAB         5G NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67           10898         AAB         5G NR (DFTs-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)         5G NR FR1 TDD         5.67	+9.6
Hoto         Sol Ref (or re-or-tim, rine, sivint; or sin, solintz)         SG NR FR1 TDD         5.66           10898         AAB         5G NR (DFTs-OFDM, 1 RB, 10 MHz, OPSK, solikHz)         5G NR FR1 TDD         5.67           10899         AAB         5G NR (DFTs-OFDM, 1 RB, 15 MHz, OPSK, solikHz)         5G NR FR1 TDD         5.67           10899         AAB         5G NR (DFTs-OFDM, 1 RB, 15 MHz, OPSK, solikHz)         5G NR FR1 TDD         5.67	19.6
Solar         Solar <th< td=""><td>+9.6</td></th<>	+9.6
AAG 53 NH (UF1-B-OFDM, 1 HB, 15 MHZ, UF3K, 30 HHZ) 50 NH FH1 IDD 5.57	19.6
LODD LADD LECHD DET CODEL CODECUDE CODECUDEL CODECUDE CODECUDECUDE CODECUDE CODECUDE CODECUDECUDE CODECUDECUDE CODECUDECUDE CODECUDECUDECUDECUDECUDECUDECUDECUDECUDECU	±9.6
Nose was us int (unrectand), inter unrectand using unrectand using unrectand using unrectand using unrectand using using unrectand using unrectand using usi	±9.6
1990 Asia Schrift (JCTPS-UPUM, LHB, SCHRIFT, GPSH, 3016/0) 5G NR FR1 TDD 5.68	+9.6
None can be the former of the state of the s	±9,6
10904 AND SO NET (UP IS-OFDM, 1 ND, 40 MRZ, QPSR, 30 MRZ) 5G NR FR1 TDD 5.68	#9.6
10004 AVIB DG NR (DPTs-OPDM, 1 HB, 50 MPZ, OPSK, 30 MPZ) 56 NR FR1 TDD 5.68	±9.6
10905 AAB 50 NR FR1 TDD 5.68	±9.6
10906 AAB 5G NR (DFTs-OFDM, 1 HB, 80 MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.68	±9.6
10907 AAC 5G NR (DFFe-DFDM, 50% RB, 5MHz, QPSK, 39kHz) 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 (DFT=-OFDM, 50% RB, 15MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.98	±9.6
10910 AAB 5G NR (DFTs-DFDM, 50% RB, 20MHz, QPSK, 30 kHz) 5G NR FR1 TDD 5.83	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = :
10911	AAB	5G NR (DFT-e-OFDM, 50% RB, 25 MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-a-OFDM, 50% RB, 40 MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAB	5G NR (DFT=:-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
0915	AAB	5G NR (DFT-8-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
0916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
0917	AAB	5G NR (DFT-s-OFDM, 50% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
10918	AAC	5G NR (DFTs-OFDM, 100% RB, 5MHz, QPSK, 30kHz)	5G NR FR1 TDD	5.86	±9.6
10918	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFOM, 100% RB, 15 MHz, QPSK, 30 kHz)	53 NR FR1 TDD	5.87	±9.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	+9.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
0925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	+9.6
0926	AAB	5G NR (DFT-s-OFDM, 100% R8, 60 MHz, QPSK, 30 kHz)	53 NR FR1 TDD	5.84	±9.6
0.927	AAB	5G NR (DFT:s-OFDM, 100% R8, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	+9.6
0928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.52	+9.6
0929	AAC	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	+9.6
0930	AAC	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 1510Hz)	5G NR FR1 FDD	5.52	+9.6
0931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 MHz)	5G NR FR1 FDD	5.51	+9.6
0932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15kHz)	5G NB FB1 FDD	5.51	+9.5
0933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15kHz)	5G NR FR1 FDD	5.51	+9.6
0934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15kHz)	5G NB FB1 FDD	5.51	+9.6
0935	AAD	5G NR (DFT-8-OFDM, 1 RB, 50 MHz, QPSK, 15kHz)	5G NB FB1 FDD	5.51	+9.6
0938	AAC	5G NR (DFT-s-OFDM, 50% RB, 5MHz, QPSK, 15kHz)	5G NB FB1 FDD	5.90	+9.6
0937	AAC	5G NR (DFT-8-OFDM, 50% RB, 10 MHz, GPSK, 15 kHz)	5G NB FB1 FDD	5.77	+9.6
0938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NB FB1 FDD	5.90	49.6
0939	AAG	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, OPSK, 15 kHz)	SG NB FB1 FDD	5.82	49.6
0940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, OPSK, 15 kHz)	SG MB FR1 FDD	5.89	10.0
0941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, OPSK, 15 kHz)	SG NR FR1 FDD	5.83	=9.6
0942	AAC	5G NR (DET-s-OFDM, 50% RB, 40 MHz, OPSK, 15 kHz)	5G NR FR1 FDD	6.65	-0.6
0943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, OPSK, 15 kHz)	SG NR FRI FDD	5.05	+0.6
0944	AAC	5G NE (DET-s-OEDM, 100% RR, 5MHz, OPSK, 15kHz)	50 NR FRI FDD	5.00	=0.6
0946	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, OPSK, 15 kHz)	5G NR EB1 EDD	5.85	+0.6
0946	AAC	5G NR (DET-s-OEDM, 100% RB, 15 MHz, OPSK, 15 kHz)	5G NR EPI EDO	5.05	+0.0
0947	AAC	5G NR (DET & OEDM 100% BB 20 MHz OPSK 15 MHz)	SG ND CD1 CD0	5.00	10.6
0948	AAC	5G NB (DFTs-OFDM, 100% BB, 25 MHz, OPSK, 15kHz)	50 NR FR1 FDD	6.04	+0.0
0949	AAC	5G NB (DET s-OEDM, 100% BB, 30 MHz, OPSK, 15 kHz)	SG NR FRI EDD	5.97	10.0
0.950	AAC	5G NR (DET-s-OEDM 100% BR 40MHz OPSK 15kHz)	50 NB ED+ 600	5.04	10.0
0951	AAD	5G NR (DET & OEDM 100% BR 50 MHz OPSK 15 kHz)	AG ND EPI EDD	E 00	10.0
0952	AAA	SG NR DL (CP-OEDM, TM 3.1, 5 MHz, 64-OAM, 15 kHz)	50 ND ED1 ED0	0.92	19.0
0.953	AAA	5G NE DL/CP.OEDM TM3.1 10MH2 64-DAM 155H40	40 NR FR1 F00	0.45	10.0
0954	۸۸۸	SO NE DI JCE OEDM TM 1.1 15MM/ BAOAM (ISHI)	50 NR FR1 F00	0.10	10.0
0955	AAA	SG NE DL (CP-OEDM TM 3.1, 20MHz 64-OAM (56Hz)	SG NR EDI EDD	0.40	19.0
0956	666	5G NR DL (CR.OEDM, TM 3.1, 5MH+ 64.0AM, 905H+)	53 NO FRI FDD	0,92	19.0
0957	AAA	5G NE DL (CP-OEDM, TM 3.1, 10 MHz, 64-OAM, 30 HHz)	50 NR FR1 FD0	8.14	19.6
0958	AAA	56 NB DL (CP-OEDM TM 3.1.15 MHz, 64-OAM 30kHz)	SO NO COL COL	0.31	+9.6
0.950	AAA	56 NR DL (CP-OEDM TM 3.1 20 MH2 64 CAM 20 LINE)	SGINH FRI FDD	0.01	19.6
0960	AAC	50 NR DL (CP.OEDM TM 3.1 5MH+ BA.CAM (SUBSL)	SG NR PRI PUD	8.33	+9.6
0981	AAR	SGNRD (CP.OFDM TM31 10MH2 64/OAM 1ELLL)	DO NO FOL TOD	9.32	19.6
0962	AAB	5G NB OL (CP-OFDM, TM 3.1, 15 MHz, 64-OAM, 15 HHz)	SC MD COL YOU	0.30	19.0
0983	AAR	SG NR DL (CR.OFDM TM 3 1 20MH2 64 CAM 16UL)	CONFIDENTIAL	9.40	±9.6
0964	AAC	SG NR DL (CP.OEDM TM 3.1 SMH+ 24.OAM 305Hz)	SG NY PPH TOU	9.00	19.6
1985	AAP	SCINE DL (CP.OEDM, TM 3.1, DAME, BLOAM, 304H2	CONDERVISION	9.29	±9.6
1966	AAR	SG NE DL (CP.OEDM TM 3.1, 100012, 04-04M, 301012)	SG NEI FH1 TUD	9.37	±9.6
967	AAD	SG NR DL (CP.OFOM, TM 3.1, 15MHz, 34 QPM, 30MHz)	SG NR FRI TDD	9.55	19.6
1968	449	SO NR DL (CR-OFDM, TM 3.1, 201012, 04-04M, 30512)	SG NR FH1 TDD	9.42	±9.6
0.979	AAD	SG ND (CP.OFDM 1 BB 20 MHz (CP2K 451403	DG NR FR1 IDD	9.49	19.6
1979	AAB	SCINE (STORM, FRD, 200RD, GRON, 10KHZ)	5G NH FRI TDD	11.59	±9.6
0.074	AAP	FO NE (OF OF DAL 100K DE 100 MHZ, OFSK, 30 KHZ)	5G NR FR1 TDO	9.06	±9.6
0079	0.04	US NO (GENUEDM, 100% FID, 100 MP(2, 256-GAM, 308P(2)	SG NR FR1 TDD	10.28	±9.6
0070	AAA		ULLA	1.16	±9.6
0019	100	ULLA LIDER	ULLA	8,58	±9.6
0.084	AAA	VELA FIURS	ULLA	10.32	±9.6
1961	AAA	ULLA HUHP4	ULLA	3.19	±9.6
0982	AAA	ULLA HUHp8	ULLA	3.43	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	Unc <sup>E</sup> k = 2
10983	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.31	±9.6
10984	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.42	±9.6
10985	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.54	±9.6
10966	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10967	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10969	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	+9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 90 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.52	±9.6
11003	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	10.24	±9.6
11004	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	10.73	±9.6
11005	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 84-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8,55	+9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15kHz)	5G NR FR1 FDD	8.46	+9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8,51	+9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	+9.8
11010	AAA	5G NR DL (CP-OFDM, TM 3.1. 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8,95	19.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA.	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 84-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	+9.6
11014	AAA	IEEE 802.11bn (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	+9.6
11015	AAA	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	+9.6
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	+9.6
11017	AAA	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	19.6
11018	AAA	IEEE 802.11bo (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 802.11he (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	+9.8
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	19.6
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, MCSD, 99pc duty cycle)	WLAN	8.39	49.6

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

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### Appendix C

### **Dipole Calibration Certificates**

Schmid & Partner Engineering AG (eughausstrasse 43, 8004 Zuric)	<b>y of</b> h, Switzerland		Schweizerlscher Kalibrierdienst Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service
Accredited by the Swiss Accredita The Swiss Accreditation Service Multilateral Accessment for the a	tion Service (SAS) a is one of the signatori	es to the EA	Accreditation No.: SCS 0108
Client Motorola Solut	ions MY	Certificates	to: CLA150-4016_Jan23
CALIBRATION C	CERTIFICAT	E	Salar and the list of the
Object	CLA150 - SN: 40	016	
Calibration procedure(s)	QA CAL-15.v10 Calibration Proc	edure for SAR Validation Source	s below 700 MHz
Calibration date:	January 06, 202	3	
This calibration certificate docume The measurements and the uncer All calibrations have been conduct	ints the traceability to nati tainties with confidence p ted in the closed laborato	ional standards, which realize the physical un robability are given on the following pages ar ry facility: environment temperature (22 ± 3) <sup>4</sup>	its of measurements (SI). ad are part of the certificate. C and humidity < 70%.
This calibration certificate docume The measurements and the uncer All calibrations have been conduct Calibration Equipment used (M&T)	Inter the traceability to nati tainties with confidence p ted in the closed laborato E critical for calibration)	ional standards, which realize the physical un robability are given on the following pages ar ny facility: environment temperature $(22 \pm 3)^4$	its of measurements (SI). Id are part of the certificate. C and humidity < 70%.
This calibration certificate docume The measurements and the uncer All calibrations have been conduct Calibration Equipment used (M&T) Primary Standards	Interfaceability to nati tainties with confidence p ted in the closed laborato E critical for celibration)	ional standards, which realize the physical un robability are given on the following pages ar ny facility: environment temperature (22 ± 3)*( Cal Date (Certificate No.)	its of measurements (SI). id are part of the certificate. C and humidity < 70%. Scheduled Calibration
This calibration certificate docume The measurements and the uncer All calibrations have been conduct Calibration Equipment used (M&T) Primary Standards Power meter NRP	In the traceability to nati tainties with confidence p ted in the closed laborato E critical for calibration)	ional standards, which realize the physical un robability are given on the following pages ar ny facility: environment temperature (22 ± 3)*( Cal Date (Certificate No.) 04-Apr-22 (No. 217-03525/03524)	its of measurements (SI). Ind are part of the certificate. C and humidity < 70%. Scheduled Calibration Apr-23
This calibration certificate docume The measurements and the uncer All calibrations have been conduct Calibration Equipment used (M&T) Primery Standards Power meter NRP Power sensor NRP-291 Prover sensor NRP-291	In the traceability to nati tainties with confidence p and in the closed laborato E critical for calibration) ID # SN: 104778 SN: 103244	ional standards, which realize the physical un robability are given on the following pages ar ny facility: environment temperature (22 ± 3)*( <u>Cal Date (Certificate No.)</u> 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524)	its of measurements (SI). Ind are part of the certificate. C and humidity < 70%. Scheduled Calibration Apr-23 Apr-23
This calibration certificate docume The measurements and the uncer All calibrations have been conduct Calibration Equipment used (M&TI Primary Standards Power sensor NRP-Z91 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuitor	ID # SN: 104778 SN: 104778 SN: 103245 SN: CC2662 (20-)	Cal Date (Certificate No.) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03525)	its of measurements (SI). Ind are part of the certificate. C and humidity < 70%. Scheduled Calibration Apr-23 Apr-23 Apr-23
This calibration certificate docume The measurements and the uncer All calibrations have been conduct Calibration Equipment used (M&TI Primary Standards Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Attenuator Type-N mismatch combination	ID # SN: 104778 SN: 104778 SN: 103244 SN: CC2552 (20x) SN: 31082 (19837	Cal Date (Certificate No.) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03527)	its of measurements (SI). Id are part of the certificate. C and humidity < 70%. Scheduled Calibration Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Apr-23
This calibration certificate docume The measurements and the uncer All calibrations have been conduct Calibration Equipment used (M&TI Primary Standards Power sensor NRP-291 Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4	ID # SN: 104778 SN: 104778 SN: 103244 SN: 103245 SN: CC2552 (20x) SN: 310982 / 06327 SN: 3877	ional standards, which realize the physical un robability are given on the following pages ar ry facility: environment temperature (22 ± 3)*/           Cal Date (Certificate No.)           04-Apr-22 (No. 217-03525/03524)           04-Apr-22 (No. 217-03524)           04-Apr-22 (No. 217-03525)           04-Apr-22 (No. 217-03525)           04-Apr-22 (No. 217-03527)           04-Apr-22 (No. 217-03528)           06-Japr-23 (No. 217-03527)           06-Japr-23 (No. 217-03527)	its of measurements (SI). Id are part of the certificate. C and humidity < 70%. Scheduled Calibration Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Apr-24
This calibration certificate docume The measurements and the uncer All calibrations have been conduct Calibration Equipment used (M&T) Primary Standards Power meter NRP Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4	ID # SN: 104778 SN: 104778 SN: 103244 SN: 103245 SN: 20252 (20x) SN: 310982 / 06327 SN: 3877 SN: 654	Ional standards, which realize the physical un robability are given on the following pages ar ry facility: environment temperature (22 ± 3)*/ Cal Date (Certificate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528) 06-Jan-23 (No. EX3-3877_Jan23) 28-Jan-22 (No. DAE4-654_Jan22)	its of measurements (SI). Ind are part of the certificate. C and humidity < 70%. Scheduled Calibration Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Jan-24 Jan-23
This calibration certificate docume The measurements and the uncer All calibrations have been conduct Calibration Equipment used (M&TI Primary Standards Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Attenuator Type-N mismatch combination Reference Probe EX3DV4 DAE4 Secondary Standards	ID # SN: 104778 SN: 104778 SN: 104778 SN: 103244 SN: 103245 SN: 310982 / 06327 SN: 310982 / 06327 SN: 3877 SN: 654	ional standards, which realize the physical un robability are given on the following pages ar ry facility: environment temperature (22 ± 3)*0 Cal Date (Certificate No.) 04-Apr-22 (No. 217-03525/03524) 04-Apr-22 (No. 217-03524) 04-Apr-22 (No. 217-03525) 04-Apr-22 (No. 217-03527) 04-Apr-22 (No. 217-03528) 06-Jan-23 (No. EX3-3877_Jan23) 26-Jan-22 (No. DAE4-654_Jan22) Check Date (in house)	its of measurements (SI). Id are part of the certificate. C and humidity < 70%. Scheduled Calibration Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Apr-23 Jan-24 Jan-23 Scheduled Check
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Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland





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Schweizerischer Kalibrierdienst Service suisse d'étalonnage

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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	sensitivity in TSL / NORM x.v.z
N/A	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 connector.
- SAR for nominal TSL parameters: The measured TSL parameters are used to calculate the nominal SAR result.

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

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#### Measurement Conditions

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

DASY Version	DASY5	V52.10.4
Extrapolation	Advanced Extrapolation	
Phantom	ELI4 Flat Phantom	Shell thickness: 2 ± 0.2 mm
EUT Positioning	Touch Position	
Zoom Scan Resolution	dx, dy = 4.0 mm, dz = 1.4 mm	Graded Ratio = 1.4 (Z direction)
Frequency	150 MHz ± 1 MHz	

Head TSL parameters The following parameters and calculations were applied.

	Temporature	Permittivity	Conductivity
Nominal Head TSL parameters	22.0 *C	52.3	0.76 mho/m
Measured Head TSL parameters	(22.0 ± 0.2) °C	51.2 ± 6 %	0.76 mho/m ± 6 %
Head TSL temperature change during test	< 0.5 °C		

#### SAR result with Head TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Head TSL	Condition	
SAR measured	1 W input power	3.79 W/kg
SAR for nominal Head TSL parameters	normalized to 1W	3.77 W/kg ± 18.4 % (k=2)
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL	condition	
SAR averaged over 10 cm <sup>3</sup> (10 g) of Head TSL SAR measured	condition 1 W input power	2.50 W/kg

#### **Body TSL parameters**

The following parameters and calculations were applied.

	Temperature	Permittivity	Conductivity
Nominal Body TSL parameters	22.0 °C	61.9	0.80 mho/m
Measured Body TSL parameters	(22.0 ± 0.2) °C	61.6 ± 6 %	0.81 mho/m ± 6 %
Body TSL temperature change during test	< 0.5 °C		0.000

### SAR result with Body TSL

SAR averaged over 1 cm <sup>3</sup> (1 g) of Body TSL	Condition		
SAR measured	1 W input power	3.90 W/kg	
SAR for nominal Body TSL parameters	normalized to 1W	3.86 W/kg ± 18.4 % (k=2)	
SAR averaged over 10 cm3 (10 g) of Body TSL	condition		
SAR averaged over 10 cm <sup>3</sup> (10 g) of Body TSL SAR measured	condition 1 W input power	2.58 W/kg	

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## Appendix (Additional assessments outside the scope of SCS 0108)

### Antenna Parameters with Head TSL

Impedance, transformed to feed point	47.9 Ω + 3.6 μΩ		
Return Loss	- 27.4 dB		

### Antenna Parameters with Body TSL

Impedance, transformed to feed point	50.1 0 - 2.5 10		
Return Loss	- 32.1 dB		

#### Additional EUT Data

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### DASY5 Validation Report for Head TSL

Date: 06.01.2023

Test Laboratory: SPEAG, Zurich, Switzerland

### DUT: CLA150; Type: CLA150; Serial: CLA150 - SN: 4016

Communication System: UID 0 - CW; Frequency: 150 MHz Medium parameters used: f = 150 MHz;  $\sigma = 0.76$  S/m;  $\varepsilon_e = 51.2$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3877; ConvF(12.51, 12.51, 12.51) @ 150 MHz; Calibrated: 06.01.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn654; Calibrated: 26.01.2022
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1003
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

CLA Calibration for HSL-LF Tissue/CLA150, touch configuration, Pin=1W/Zoom Scan, dist=1.4mm (8x10x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 78.38 V/m; Power Drift = -0.08 dB Peak SAR (extrapolated) = 7.08 W/kg SAR(1 g) = 3.79 W/kg; SAR(10 g) = 2.5 W/kg Smallest distance from peaks to all points 3 dB below = 19.4 mm Ratio of SAR at M2 to SAR at M1 = 80.9% Maximum value of SAR (measured) = 5.36 W/kg



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Certificate No: CLA150-4016\_Jan23

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Date: 06.01.2023

### DASY5 Validation Report for Body TSL

Test Laboratory: SPEAG, Zurich, Switzerland

### DUT: CLA150; Type: CLA150; Serial: CLA150 - SN: 4016

Communication System: UID 0 - CW; Frequency: 150 MHz Medium parameters used: f = 150 MHz;  $\sigma = 0.81$  S/m;  $\varepsilon_r = 61.6$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: Flat Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EX3DV4 SN3877; ConvF(11.56, 11.56, 11.56) @ 150 MHz; Calibrated: 06.01.2023
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn654; Calibrated: 26.01.2022
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1003
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

CLA Calibration for MSL-LF Tissue/CLA150, touch configuration, Pin=1W/Zoom Scan, dist=1.4mm (8x10x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm Reference Value = 81.76 V/m; Power Drift = -0.05 dB Peak SAR (extrapolated) = 7.26 W/kg SAR(1 g) = 3.9 W/kg; SAR(10 g) = 2.58 W/kg Smallest distance from peaks to all points 3 dB below = 22.9 mm Ratio of SAR at M2 to SAR at M1 = 81.2% Maximum value of SAR (measured) = 5.46 W/kg



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Impedance Measurement Plot for Body TSL



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### **Dipole Data**

The table below includes dipole impedance and return loss measurement data measured by Motorola Solutions' EME lab. The results meet the requirements stated in KDB 865664.

Dipole	Head			Body		
835-4d029	35-4d029 Impedance Return Loss		Impedance		<b>Return Loss</b>	
Date Measured	real Ω	imag jΩ	dB	real Ω	imag jΩ	dB
08/14/2024	47.07	-6.48	-22.84	44.15	-2.79	-23.84