





TEST REPORT

No. 24T04N002472-002-HAC RF

For

Sun Cupid Technology (HK) Ltd.

LTE Smart phone

Model Name: S6514L, N13, NUU N13

With

Hardware Version: V01

Software Version:

A582_02K_WS669B_S6514L-DH-UGO-MV03203-05_20241105_1516

FCC ID: 2ADINS6514L

HAC-2019 Compliance: PASS

Issued Date: 2024-11-25

Designation Number: CN1210

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

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REPORT HISTORY

Report Number	Revision	Description	Issue Date	
24T04N002472-002-HAC RF	Rev.0	1st edition	2024-11-25	



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1. Summary of Test Report

1.1. Test Items

Description: LTE Smart phone

Model Name: S6514L, N13, NUU N13

Applicant's Name: Sun Cupid Technology (HK) Ltd.

Manufacturer's Name: Suncupid (ShenZhen) Electronic Ltd

1.2. Test Standards

ANSI C63.19:2019

1.3. Test Result

Pass

1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China

1.5. Project Data

Testing Start Date: 2024-10-30 Testing End Date: 2024-10-30

1.6. Signature

孝明旨

Li Yongfu

(Prepared this test report)

5) 3

Liu Jian

(Reviewed this test report)

Cao Junfei

(Approved this test report)



2. Client Information

2.1. Applicant Information

Company Name:	Sun Cupid Technology (HK) Ltd.
Addroop	16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong
Address:	Kong.
Contact:	
Email:	
Telephone:	1

2.2. Manufacturer Information

Company Name:	Suncupid (ShenZhen) Electronic Ltd		
Address:	Baolong Industrial City, Longgang District, Shenzhen Hi-Tech Road,		
Address.	Building 1, A 7, China.		
Contact:	1		
Email:	1		
Telephone:			



3. Equipment under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description:	LTE Smart phone		
Mode Name:	S6514L, N13, NUU N13		
Condition of EUT as received:	No obvious damage in appearance		
	GSM 850/1900,		
Fraguency Panda:	WCDMA Band 2/4/5,		
Frequency Bands:	LTE Band 2/4/5/7/12/13/25/26/41/66/71,		
	Bluetooth, WLAN 2.4GHz		

3.2. Internal Identification of EUT used during the test

EUT ID*	IMEI	HW Version	SW Version	Receipt Date
UT02aa	867696067316221 867696067316239	V01	A582_02K_WS669B_S6 514L-DH-UGO-MV0320 3-05_20241105_1516	2024-10-16

^{*}EUT ID: is used to identify the test sample in the lab internally.

3.4. Air Interfaces / Bands Indicating Operating Modes

Air-interface	Dand (MIL)	Tuno	C63.19 /	Simultaneous	Name of
Air-interface	Band (MHz)	Туре	tested	Transmissions	Voice Service
GSM	GSM 850/1900	VO	Yes	BT, WLAN	CMRS Voice
GSIVI	EDGE	DT	Yes	BT, WLAN	MEET
MCDMA	B2/B4/B5	VO	Yes	BT, WLAN	CMRS Voice
WCDMA	HSPA	VD	Yes	BT, WLAN	MEET
LTE (FDD)	2/4/5/7/12/13/25/26/66/71	VD	Yes	BT, WLAN	VoLTE, MEET
LTE (TDD)	41	VD	Yes	BT, WLAN	VoLTE, MEET
WLAN	2.4GHz	VD	Yes	WWAN	VoWiFi, MEET
Bluetooth	2.4GHz	DT	No	WWAN	NA

VO: Voice CMRS/PSTN Service Only

VD: Voice CMRS/PSTN and Data Service

DT: Digital Transport



4. Reference Documents

The following document listed in this section is referred for testing.

Reference	ference Title			
ANSI C63.19	American National Standard for Methods of Measurement of Compatibility Between Wireless Communication Devices and Hearing Aids	2019 Edition		
KDB 285076 D01v06r04	Equipment Authorization Guidance for Hearing Aid Compatibility	2023 Edition		
KDB 285076 D02v04	Guidance for performing T-Coil tests for air interfaces supporting voice over IP (e.g., LTE and WiFi) to support CMRS based telephone services	2022 Edition		
KDB 285076 D03v01r06	Heading Aid Compatibility Frequently Asked Questions	2022 Edition		



5. Operational Conditions During Test

5.1. HAC Measurement Set-up

These measurements are performed using the DASY6/8 automated dosimetric assessment system. It is made by Schmid & Partner Engineering AG (SPEAG) in Zurich, Switzerland. It consists of high precision robotics system (Stäubli), robot controller, Intel Core2 computer, near-field probe, probe alignment sensor. The robot is a six-axis industrial robot performing precise movements. A cell controller system contains the power supply, robot controller, teach pendant (Joystick), and remote control, is used to drive the robot motors. The PC consists of the HP Intel Core21.86 GHz computer with Windows 10 system and HAC Measurement Software DASY6/8, A/D interface card, monitor, mouse, and keyboard. The Stäubli Robot is connected to the cell controller to allow software manipulation of the robot. A data acquisition electronic (DAE)circuit performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the PC plug-in card.

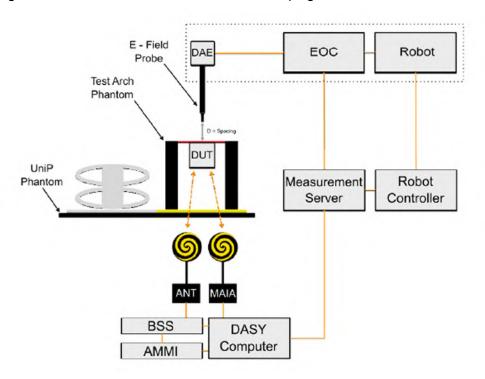


Fig. 1 HAC Test Measurement Set-up

The DAE4 consists of a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16 bit AD-converter and a command decoder and control logic unit. Transmission to the PC-card is accomplished through an optical downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe mounting device includes two different sensor systems for frontal and sidewise probe contacts. They are also used for mechanical surface detection and probe collision detection. The robot uses its own controller with a built in VME-bus computer.



5.2. Probe Specification

E-Field Probe Description

Construction One dipole parallel, two dipoles normal to probe axis

Built-in shielding against static charges

Calibration In air from 30 MHz to 6.0 GHz (absolute accuracy ±6.0%,

k=2)

Frequency 30 MHz to 6 GHz

Linearity: ± 0.2 dB (100 MHz to 3 GHz)

Directivity ± 0.2 dB in air (rotation around probe axis)

± 0.4 dB in air (rotation normal to probe axis)

Dynamic Range 2 V/m to 1000 V/m; Linearity: ± 0.2 dB

Dimensions Overall length: 337 mm (Tip: 20 mm)

Tip diameter: 4 mm (Body: 12 mm)

Distance from probe tip to dipole centers: 1.5 mm

Application General near-field measurements up to 6 GHz

Field component measurements

Fast automatic scanning in phantoms



[EF3DV3]



5.3. Test Arch Phantom & Phone Positioner

The Test Arch phantom should be positioned horizontally on a stable surface. Reference markings on the Phantom allow the complete setup of all predefined phantom positions and measurement grids by manually teaching three points in the robot. It enables easy and well defined positioning of the phone and validation dipoles as well as simple teaching of the robot (Dimensions: $370 \times 370 \times 370 \text{ mm}$).



Fig. 2 HAC Phantom & Device Holder

5.4 Robotic System Specifications

Specifications

Positioner: Stäubli Unimation Corp. Robot Model: RX160L

Repeatability: ±0.02 mm

No. of Axis: 6

Data Acquisition Electronic (DAE) System

Cell Controller

Processor: Intel Core2 Clock Speed: 1.86GHz

Operating System: Windows 10

Data Converter

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

Software: DASY8 cD6 HAC

Connecting Lines: Optical downlink for data and status info.

Optical uplink for commands and clock



6. EUT Arrangement

6.1. WD RF Emission Measurements Reference and Plane

Figure 3 illustrates the references and reference plane that shall be used in the WD emissions measurement.

- The measurement area is 50.0 mm by 50.0 mm.
- The measurement area is centered on the audio frequency output transducer of the WD (speaker or T-Coil signal).
- The measurement area is in a reference plane, which is defined as the planar area tangent to the highest point in the area of the phone that normally rests against the user's ear. It is parallel to the centerline of the receiver area of the phone and is defined by the points of the receiver-end of the WD handset, which, in normal handset use, rest against the ear.
- The measurement plane is parallel to, and 15.0 mm in front of, the reference plane.

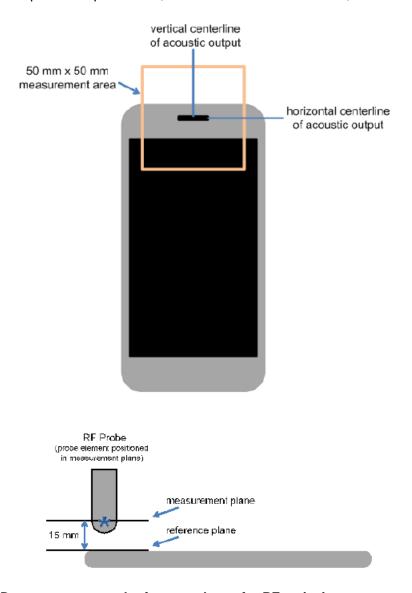


Fig. 3 WD measurement and reference planes for RF emission measurements



7. System Validation

7.1. Validation Procedure

Place a dipole antenna meeting the requirements given in ANSI C63.19 in the position normally occupied by the WD. The dipole antenna serves as a known source for an electrical output. Position the E-field probes so that:

- The probes and their cables are parallel to the coaxial feed of the dipole antenna
- The probe cables and the coaxial feed of the dipole antenna approach the measurement area from opposite directions
- The center point of the probe element(s) are 15 mm from the closest surface of the dipole elements.

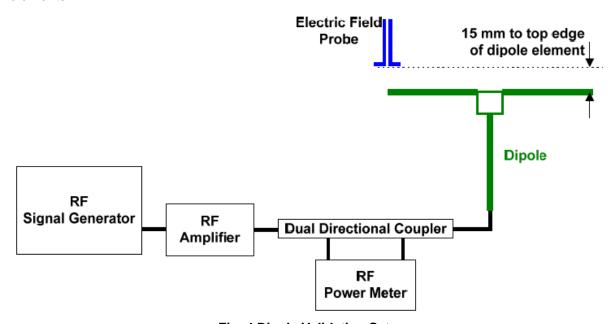


Fig. 4 Dipole Validation Setup

7.2. Validation Result

E-Field Scan						
Mode	Frequency (MHz)	Input Power (mW)	Measured ¹ Value(V/m)	Target ² Value(V/m)	Deviation ³ (%)	Limit ⁴ (%)
CW	835	100	119.0	110.6	7.59	±18
CW	1880	100	93.1	88.8	4.84	±18

Notes:

- 1. Please refer to the attachment for detailed measurement data and plot.
- 2. Target value is provided by SPEAG in the calibration certificate of specific dipoles.
- 3. Deviation (%) = 100 * (Measured value minus Target value) divided by Target value.
- 4. ANSI C63.19 requires values within \pm 18% are acceptable, of which 12% is deviation and 13% is measurement uncertainty. Values independently validated for the dipole actually used in the measurements should be used, when available.



8. Modulation Interference Factor (MIF)

8.1 Introduction

The HAC Standard ANSI C63.19-2019 defines the MIF as a scaling factor to evaluate the Radio Frequency Audio Interference Level (RFail). It is applicable to any modulation scheme. The MIF (in dB) is added to the measured averaged E-field (in dBV /m) to obtain the RFail (also in dBV/m) which defines the audible amplitude of the measured RF signal strength. The RFail is then compared to the associated qualification level.

The MIF is defined in section D.7 of the ANSI C63.19-2019 as the interference potential of a signal to its steady state RMS signal level or average power level. This factor is a function only of the audio frequency amplitude modulation characteristics of the signal and is the same for field strength or conducted power measurements. The modulated signal is processed as described below:

- The full signal bandwidth is presented to a wideband square law detector which demodulates the signal.
- The baseband signal (after demodulation) is presented to a spectral weighting filter which is normalized to 1 kHz. The filter frequency response is shown in Section D.4 of the ANSI C63.19-2019 standard.
- The spectral weighted signal is presented to a temporal weighting filter consisting of rapid Root Mean Square (RMS) level detection followed by peak detection with a 550 ms decay time.

• The MIF is calculated as
$$\frac{10 \cdot log 10_{10} (filtered\ signal)}{1.154 \cdot RMS\ of\ demodulated\ signal}$$

Measurements of the MIF value are conducted using the MAIA designed by SPEAG. The resulting deviations from the simulated values are within the requirements of the HAC standard.

MAIA is a hardware interface for evaluating the modulation and audio interference characteristics of RF signals in the frequency range 698–6000 MHz. It uses USB-powered active electronics to identify the modulation of the DUT. It can be operated with the over-the-air interface using the built-in ultra-broadband planar log spiral antenna (698–6000 MHz) or in the conducted mode using the coaxial SMA 50W connector (300–6000 MHz).





Fig. 5 MAIA View

8.2 DUT MIF results

Based on the KDB 285076 D01v06r02, the handset can also use the MIF values predetermined by the test equipment manufacturer. MIF values applied in this test report were provided by the HAC equipment provider of SPEAG, and the worst values for all air interface are listed below.

UID	Communication System Name	MIF (dB)
10021	GSM-FDD (TDMA, GMSK)	3.63
10025	EDGE-FDD (TDMA, 8PSK)	3.75
10460	UMTS-FDD (WCDMA, AMR)	-25.43
10225	UMTS-FDD (HSPA+)	-20.39
10170	LTE-FDD(SC-FDMA, 1RB, 20MHz, 16-QAM)	-9.76
10173	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16QAM)	-1.44
10061	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	-2.02
10077	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps)	0.12



9. Evaluation of RF Audio Interference Power Level

According to ANSIC 63.19-2019, the WD's conducted power must be at or below either the stated RFaiple (Table 12-1) or the stated peak power level (Table 12-2), or the average near-field emissions over the measurement area must be at or below the stated RFaille (Table 12-3), or the stated peak field strength (Table 12-4). The WD may demonstrate compliance by meeting any of these four requirements, but it must do so in each of its operating bands at its established worst-case normal speech-mode operating condition. This chapter will evaluate the RF audio interference power level of WD.

Band	Average Power _{max} (dBm)	MIF _{worst} (dB)	Power + MIF	C63.19 Lowest RF _{AIPL} (dBm)	Compliance
GSM 850	34.5	3.63	38.13	29	To be tested
GSM 1900	31.5	3.63	35.13	26	To be tested
EDGE 850	27.5	3.75	31.25	29	To be tested
EDGE 1900	27.5	3.75	31.25	26	To be tested
WCDMA Band 2	24.5	-25.43	-0.93	26	Pass
WCDMA Band 2 -HSPA	24.5	-20.39	4.11	26	Pass
WCDMA Band 4	24.0	-25.43	-1.43	26	Pass
WCDMA Band 4 -HSPA	24.0	-20.39	3.61	26	Pass
WCDMA Band 5	24.0	-25.43	-1.43	29	Pass
WCDMA Band 5 -HSPA	24.0	-20.39	3.61	29	Pass
LTE Band 2	25.5	-9.76	15.74	26	Pass
LTE Band 4	25.5	-9.76	15.74	26	Pass
LTE Band 5	25.0	-9.76	15.24	29	Pass
LTE Band 7	25.5	-9.76	15.74	25	Pass
LTE Band 12	25.0	-9.76	15.24	29	Pass
LTE Band 13	25.0	-9.76	15.24	29	Pass
LTE Band 25	25.5	-9.76	15.74	26	Pass
LTE Band 26	25.0	-9.76	15.24	29	Pass
LTE Band 66	25.5	-9.76	15.74	26	Pass
LTE Band 71	25.0	-9.76	15.24	29	Pass
LTE Band 41	25.5	-1.44	24.06	25	Pass
WLAN 2.4GHz	17.5	-2.02	15.48	25	Pass

Note:

- 1. Average Power = Max tune-up limit
- 2. EDGE data modes are not necessary due the GSM Voice mode is the worst case.

According to the above table, the RFAIPL for WCDMA, LTE and WIFI are less than the stated RFAIPL (Table 12.1). Near field emission testing is required for the GSM bands.



10. Near-field Emission Test Procedures

The evaluation was performed with the following procedure:

- 1) Confirm proper operation of the field probe, probe measurement system and other instrumentation and the positioning system.
- 2) Position the WD in its intended test position. The gauge block can simplify this positioning.
- 3) Set the WD to transmit a fixed and repeatable combination of signal power and modulation characteristic that is representative of the worst case (highest interference potential) encountered in normal use. Transiently occurring start-up, changeover, or termination conditions, or other operations likely to occur less than 1% of the time during normal operation, may be excluded from consideration.
- 4) The measurement area shall be centered on the acoustic output or the T-Coil mode measurement reference point, as appropriate. Locate the field probe at the initial test position in the 50 mm by 50 mm measurement area, which is contained in the measurement plane. If the field alignment method is used, align the probe for maximum field reception
- 5) Record the reading at the output of the measurement system.
- 6) Scan the entire 50 mm by 50 mm measurement area in equally spaced step sizes and record the reading at each measurement point.
- 7) Calculate the average of the measurements taken in Step 6)
- 8) The RF audio interference level in dB(V/m) is obtained by adding the Modulation Interference Factor (in decibels) to the average steady state rms field strength reading over the measurement area, in dB(V/m)
- 9) Compare this RF audio interference level to the limits in ANSI C63.19-2019 clause 4.7 and record the result.



11. Near-field Emission Test Results

Band	Channel	Frequency (MHz)	RFail (dBV/m)	Compliance
	251	848.8	33.99	Pass (see Fig A.1)
GSM 850	190	836.6	34.40	Pass (see Fig A.2)
	128	824.2	33.61	Pass (see Fig A.3)
	810	1909.8	32.13	Pass (see Fig A.4)
GSM 1900	661	1880.0	32.29	Pass (see Fig A.5)
	512	1850.2	33.13	Pass (see Fig A.6)



12. ANSI C 63.19-2019 Limits

12-1 Wireless device RF audio interference power level

Frequency range	RFAIPL
(MHz)	(dBm)
<960	29
960–2000	26
>2000	25

12-2 Wireless device RF peak power level

Frequency range	RFPeak Power
(MHz)	(dBm)
<960	35
960–2000	32
>2000	31

12-3 Wireless device RF audio interference level

Frequency range	RFAIL
(MHz)	[dB(V/m)]
<960	39
960–2000	36
>2000	35

12-4 Wireless device RF peak near-field level

Frequency range (MHz)	RF _{Peak} [dB(V/m)]
<960	45
960–2000	42
>2000	41



13. Measurement Uncertainty

				1	ı	1	1	1	
No.	Error source	Туре	Uncertainty Value (%)	Prob. Dist.	k	Ci	Standard Uncertainty (%) $u_i^{'}$ (%)	Degree of freedom Veff or Vi	source
1	System repeatability	Α	0.24	N	1	1	0.24	9	Measurement
Measurement System									
2	Probe Calibration	В	5.1	N	1	1	5.1	8	Manufacturer
3	Axial Isotropy	В	4.7	R	√3	1	2.7	∞	Cal report
4	Sensor Displacement	В	16.5	R	√3	1	9.5	8	Manufacturer
5	Boundary Effects	В	2.4	R	√3	1	1.4	∞	Manufacturer
6	Linearity	В	4.7	R	√3	1	2.7	∞	Cal report
7	Scaling to Peak Envelope Power	В	2.0	R	√3	1	1.2	∞	Standard
8	System Detection Limit	В	1.0	R	√3	1	0.6	∞	Manufacturer
9	Readout Electronics	В	0.3	N	1	1	0.3	∞	Manufacturer
10	Response Time	В	0.8	R	√3	1	0.5	8	Manufacturer
11	Integration Time	В	2.6	R	√3	1	1.5	8	Manufacturer
12	RF Ambient Conditions	В	3.0	R	√3	1	1.7	∞	Measurement
13	RF Reflections	В	12.0	R	√3	1	6.9	∞	Measurement
14	Probe Positioner	Α	1.2	R	√3	1	0.7	∞	Manufacturer
15	Probe Positioning	Α	4.7	R	√3	1	2.7	∞	Manufacturer
16	Extra. And Interpolation	В	1.0	R	√3	1	0.6	∞	Manufacturer
Test	Sample Related			I	<u>I</u>	I	I		
17	Device Positioning Vertical	В	4.7	R	√3	1	2.7	∞	Manufacturer
18	Device Positioning Lateral	В	1.0	R	√3	1	0.6	8	Manufacturer
19	Device Holder and Phantom	В	2.4	R	√3	1	1.4	8	Manufacturer
20	Power Drift	В	5.0	R	√3	1	2.9	∞	Measurement
Phar	ntom and Setup related			•		•			
21	Phantom Thickness	В	2.4	R	√3	1	1.4	∞	Manufacturer
MIF	related				•				
22	Monitor amplitude	В	2.8	R	√3	1	1.6	8	Manufacturer
23	Setup repeatability	Α	2.7	N	1	1	2.7	9	Manufacturer
24	Sensor amplitude	В	11.6	R	√3	1	6.7	8	Manufacturer
	bined standard rtainty (%)	$u_c^{'} =$	$\sqrt{\sum_{i=1}^{24} c_i^2 u_i^2}$			18.3			
-	inded uncertainty fidence interval of 95 %)	u	$u_e = 2u_c$	N	k:	=2	36.6		



14. Main Test Instruments

Table 14-1: List of Main Instruments

No.	Name	Туре	Serial Number	Calibration Date	Valid Period
01	Signal Generator	E8257D	MY47461211	2024-01-12	One year
02	Power meter	NRP	102603	2023-12-28	One year
03	Power sensor	NRP-Z51	102211	2023-12-28	One year
04	Amplifier	VTL5400	0404	1	1
05	HAC Test Arch	N/A	1150	1	1
06	E-Field Probe	EF3DV3	4094	2023-08-10	Three years
07	DAE	DAE4	1790	2024-06-06	One year
80	HAC Dipole	CD835V3	1165	2024-04-15	Three years
09	HAC Dipole	CD1880V3	1149	2024-04-15	Three years
10	BTS	CMW500	152499	2024-07-12	One year
11	Software	DASY8	1	1	1



ANNEX A: RF Emission Test Plot

Near-field Emission - GSM 850 High

Measurement performed on 2024-10-30

Hardware Setup

Probe Name Probe	Calibration Date	DAE Name	DAE Calibration Date
EF3DV3 - SN4094	2023-08-10	DAE4 Sn1790	2024-06-06

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
GSM 850	GSM-FDD (TDMA, GMSK)	251	848.8

Grid Settings

Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
50.0	50.0	10.0	10.0	15.0

Emax [dB(V/m)]	Eavg50x50 max [dB(V/m)]	MIF [dB]	RFail [dB(V/m)]
32.87	30.36	3.63	33.99

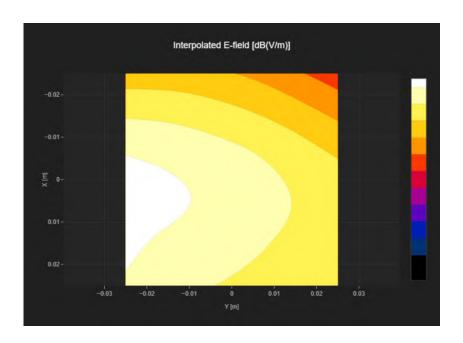


Fig A.1 GSM 850



Near-field Emission - GSM 850 Middle

Measurement performed on 2024-10-30

Hardware Setup

Probe Name Probe	Calibration Date	DAE Name	DAE Calibration Date
EF3DV3 - SN4094	2023-08-10	DAE4 Sn1790	2024-06-06

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
GSM 850	GSM-FDD (TDMA, GMSK)	190	836.6

Grid Settings

Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
50.0	50.0	10.0	10.0	15.0

Emax [dB(V/m)]	Eavg50x50 max [dB(V/m)]	MIF [dB]	RFail [dB(V/m)]
33.27	30.77	3.63	34.40

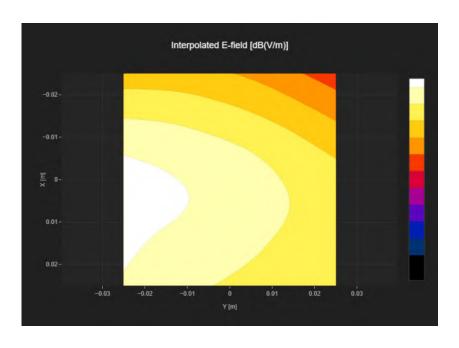


Fig A.2 GSM 850



Near-field Emission - GSM 850 Low

Measurement performed on 2024-10-30

Hardware Setup

Probe Name Probe	Calibration Date	DAE Name	DAE Calibration Date
EF3DV3 - SN4094	2023-08-10	DAE4 Sn1790	2024-06-06

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
GSM 850	GSM-FDD (TDMA, GMSK)	128	824.2

Grid Settings

Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
50.0	50.0	10.0	10.0	15.0

Emax [dB(V/m)]	Eavg50x50 max [dB(V/m)]	MIF [dB]	RFail [dB(V/m)]
32.40	29.98	3.63	33.61

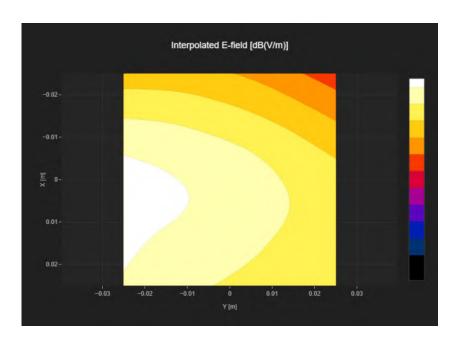


Fig A.3 GSM 850



Near-field Emission - GSM 1900 High

Measurement performed on 2024-10-30

Hardware Setup

Probe Name Probe	Calibration Date	DAE Name	DAE Calibration Date
EF3DV3 - SN4094	2023-08-10	DAE4 Sn1790	2024-06-06

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
GSM 1900	GSM-FDD (TDMA, GMSK)	810	1909.8

Grid Settings

Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
50.0	50.0	10.0	10.0	15.0

Emax [dB(V/m)]	Eavg50x50 max [dB(V/m)]	MIF [dB]	RFail [dB(V/m)]
30.51	28.50	3.63	32.13

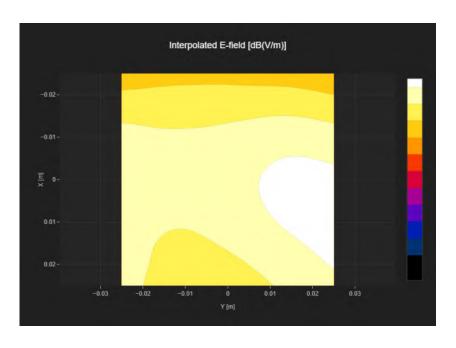


Fig A.4 GSM 1900



Near-field Emission - GSM 1900 Middle

Measurement performed on 2024-10-30

Hardware Setup

Probe Name Probe	Calibration Date	DAE Name	DAE Calibration Date
EF3DV3 - SN4094	2023-08-10	DAE4 Sn1790	2024-06-06

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
GSM 1900	GSM-FDD (TDMA, GMSK)	661	1880.0

Grid Settings

Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
50.0	50.0	10.0	10.0	15.0

Emax [dB(V/m)]	Eavg50x50 max [dB(V/m)]	MIF [dB]	RFail [dB(V/m)]
30.35	28.66	3.63	32.29

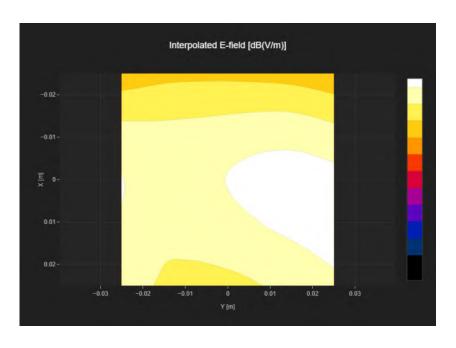


Fig A.5 GSM 1900



Near-field Emission - GSM 1900 Low

Measurement performed on 2024-10-30

Hardware Setup

Probe Name Probe	Calibration Date	DAE Name	DAE Calibration Date
EF3DV3 - SN4094	2023-08-10	DAE4 Sn1790	2024-06-06

Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
GSM 1900	GSM-FDD (TDMA, GMSK)	512	1850.2

Grid Settings

Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
50.0	50.0	10.0	10.0	15.0

Emax [dB(V/m)]	Eavg50x50 max [dB(V/m)]	MIF [dB]	RFail [dB(V/m)]
30.95	29.50	3.63	33.13

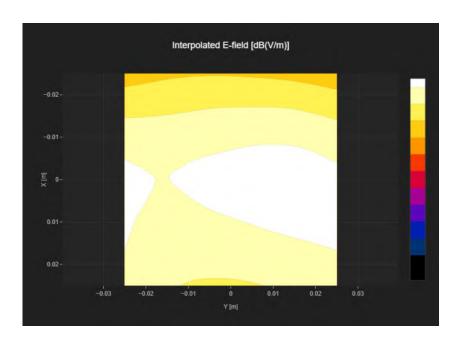


Fig A.6 GSM 1900



ANNEX B: System Validation Result

835MHz

Measurement performed on 2024-10-30

Hardware Setup

Probe Name Probe	Calibration Date	DAE Name	DAE Calibration Date
EF3DV3 - SN4094	2023-08-10	DAE4 Sn1790	2024-06-06

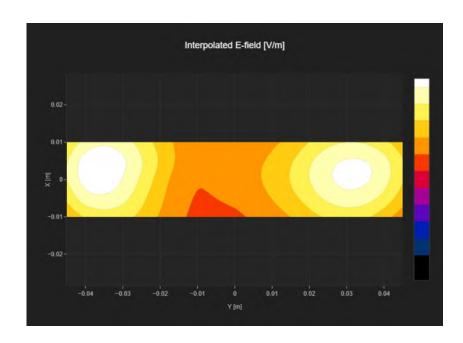
Communication Systems

Band Name	Communication Systems Name	Channel	Frequency [MHz]
CD835	CW	50	835.0

Grid Settings

Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
20.0	180.0	5.0	5.0	15.0

Dipole Type	Dipole Serial Number	Emax [V/m]	Drift [dB]
CD835	1165	119	0.14





1880MHz

Measurement performed on 2024-10-30

Hardware Setup

Probe Name Probe	Calibration Date	DAE Name	DAE Calibration Date
EF3DV3 - SN4094	2023-08-10	DAE4 Sn1790	2024-06-06

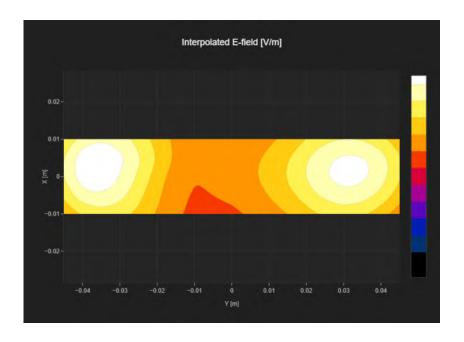
Communication Systems

Band Na	me Con	nmunication Systems Name	Channel	Frequency [MHz]
CD188	30	CW	50	1880.0

Grid Settings

Extent X [mm]	Extent Y [mm]	Step X [mm]	Step Y [mm]	Distance [mm]
20.0	90.0	5.0	5.0	15.0

Dipole Type	Dipole Serial Number	Emax [V/m]	Drift [dB]
CD1880	1149	93.1	0.03





ANNEX C: Dipole Calibration Certificate

CD835V3

Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland

Zeughausstrasse 43, 8004 Zurich, Switzerland

Accredited by the Swiss Accreditation Service (SAS)

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Multilateral Agreement for the recognition of calibration certificates

Client SAICT

Shenzhen



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Servizio svizzero di taratura
Swiss Calibration Service

Accreditation No.: SCS 0108

Certificate No. CD835V3-1165_Apr24

CALIBRATION CERTIFICATE

Object

CD835V3 - SN: 1165

Calibration procedure(s)

QA CAL-20.v7

Calibration Procedure for Validation Sources in air

Calibration date:

April 15, 2024

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

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

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
Power sensor NRP-Z91	SN: 103245	26-Mar-24 (No. 217-04037)	Mar-25
Reference 20 dB Attenuator	SN: BH9394 (20k)	26-Mar-24 (No. 217-04046)	Mar-25
Type-N mismatch combination	SN: 310982 / 06327	26-Mar-24 (No. 217-04047)	Mar-25
Probe EF3DV3	SN: 4013	28-Dec-23 (No. EF3-4013_Dec23)	Dec-24
DAE4	SN: 781	16-Feb-24 (No. DAE4-781_Feb24)	Feb-25
Secondary Standards	ID#	Check Date (in house)	Scheduled Check
Power meter Agilent 4419B	SN: GB42420191	09-Oct-09 (in house check Nov-23)	In house check: Nov-24
Power sensor HP E4412A	SN: US38485102	05-Jan-10 (in house check Nov-23)	In house check: Nov-24
Power sensor HP 8482A	SN: US37295597	09-Oct-09 (in house check Nov-23)	In house check: Nov-24
	SN. USS/29339/	09-Oct-09 (III House Check Nov-20)	III House Check, 1404-24
	CNI: 927622/005	10- Jan-19 (in house check Nov-23)	In house check: Nov-24
RF generator R&S SMT-06	SN: 837633/005	10-Jan-19 (in house check Nov-23)	In house check: Nov-24
RF generator R&S SMT-06	SN: 837633/005 SN: US41080477	10-Jan-19 (in house check Nov-23) 31-Mar-14 (in house check Oct-22)	In house check: Nov-24 In house check: Oct-24
RF generator R&S SMT-06	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24
RF generator R&S SMT-06 Network Analyzer Agilent E8358A	SN: US41080477 Name	31-Mar-14 (in house check Oct-22) Function	In house check: Oct-24

Certificate No: CD835V3-1165_Apr24

Page 1 of 5

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

Issued: April 17, 2024



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





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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

References

 ANSI-C63.19-2019 (ANSI-C63.19-2011)
 American National Standard, Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids.

Methods Applied and Interpretation of Parameters:

- Coordinate System: y-axis is in the direction of the dipole arms. z-axis is from the basis of the antenna
 (mounted on the table) towards its feed point between the two dipole arms. x-axis is normal to the other axes.
 In coincidence with the standards [1], the measurement planes (probe sensor center) are selected to be at a
 distance of 15 mm above the top metal edge of the dipole arms.
- Measurement Conditions: Further details are available from the hardcopies at the end of the certificate. All
 figures stated in the certificate are valid at the frequency indicated. The forward power to the dipole connector
 is set with a calibrated power meter connected and monitored with an auxiliary power meter connected to a
 directional coupler. While the dipole under test is connected, the forward power is adjusted to the same level.
- Antenna Positioning: The dipole is mounted on a HAC Test Arch phantom using the matching dipole positioner with the arms horizontal and the feeding cable coming from the floor. The measurements are performed in a shielded room with absorbers around the setup to reduce the reflections. It is verified before the mounting of the dipole under the Test Arch phantom, that its arms are perfectly in a line. It is installed on the HAC dipole positioner with its arms parallel below the dielectric reference wire and able to move elastically in vertical direction without changing its relative position to the top center of the Test Arch phantom. The vertical distance to the probe is adjusted after dipole mounting with a DASY5 Surface Check job. Before the measurement, the distance between phantom surface and probe tip is verified. The proper measurement distance is selected by choosing the matching section of the HAC Test Arch phantom with the proper device reference point (upper surface of the dipole) and the matching grid reference point (tip of the probe) considering the probe sensor offset. The vertical distance to the probe is essential for the accuracy.
- Feed Point Impedance and Return Loss: These parameters are measured using a Vector Network Analyzer.
 The impedance is specified at the SMA connector of the dipole. The influence of reflections was eliminating by applying the averaging function while moving the dipole in the air, at least 70cm away from any obstacles.
- E-field distribution: E field is measured in the x-y-plane with an isotropic E-field probe with 100 mW forward power to the antenna feed point. In accordance with [1], the scan area is 20mm wide, its length exceeds the dipole arm length (180 or 90mm). The sensor center is 15 mm (in z) above the metal top of the dipole arms. Two 3D maxima are available near the end of the dipole arms. Assuming the dipole arms are perfectly in one line, the average of these two maxima (in subgrid 2 and subgrid 8) is determined to compensate for any non-parallelity to the measurement plane as well as the sensor displacement. The E-field value stated as calibration value represents the maximum of the interpolated 3D-E-field, in the plane above the dipole surface.

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

Certificate No: CD835V3-1165_Apr24

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Measurement Conditions

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

DASY Version	DASY5	V52.10.4
Phantom	HAC Test Arch	
Distance Dipole Top - Probe Center	15 mm	
Scan resolution	dx, dy = 5 mm	
Frequency	835 MHz ± 1 MHz	
Input power drift	< 0.05 dB	

Maximum Field values at 835 MHz

E-field 15 mm above dipole surface	condition	Interpolated maximum
Maximum measured above high end	100 mW input power	110.6 V/m = 40.88 dBV/m
Maximum measured above low end	100 mW input power	110.3 V/m = 40.85 dBV/m
Averaged maximum above arm	100 mW input power	110.5 V/m ± 12.8 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters

Frequency	Return Loss	Impedance
800 MHz	16.0 dB	39.3 Ω - 9.5 jΩ
835 MHz	25.4 dB	52.6 Ω + 4.8 jΩ
880 MHz	15.8 dB	61.3 Ω - 14.3 jΩ
900 MHz	16.3 dB	49.8 Ω - 15.4 jΩ
945 MHz	23.7 dB	44.8 Ω + 3.3 jΩ

3.2 Antenna Design and Handling

The calibration dipole has a symmetric geometry with a built-in two stub matching network, which leads to the enhanced bandwidth.

The dipole is built of standard semirigid coaxial cable. The internal matching line is open ended. The antenna is therefore open for DC signals.

Do not apply force to dipole arms, as they are liable to bend. The soldered connections near the feedpoint may be damaged. After excessive mechanical stress or overheating, check the impedance characteristics to ensure that the internal matching network is not affected.

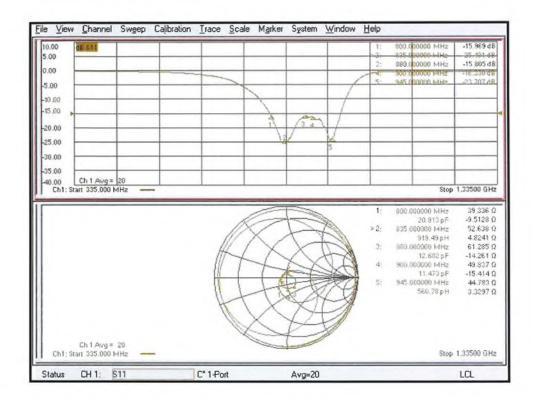
After long term use with 40W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

Certificate No: CD835V3-1165_Apr24

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Impedance Measurement Plot



Certificate No: CD835V3-1165_Apr24

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DASY5 E-field Result

Date: 15.04.2024

Test Laboratory: SPEAG Lab2

DUT: HAC-Dipole 835 MHz; Type: CD835V3; Serial: CD835V3 - SN: 1165

Communication System: UID 0 - CW ; Frequency: 835 MHz Medium parameters used: $\sigma=0$ S/m, $\epsilon_r=1;$ $\rho=0$ kg/m³

Phantom section: RF Section

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

DASY52 Configuration:

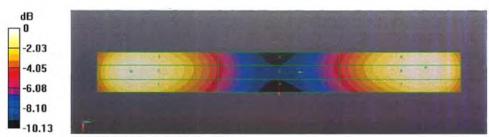
- Probe: EF3DV3 SN4013; ConvF(1, 1, 1) @ 835 MHz; Calibrated: 28.12.2023
- · Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 16.02.2024
- · Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole E-Field measurement @ 835MHz/E-Scan - 835MHz d=15mm/Hearing Aid Compatibility Test (41x361x1):

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm
Device Reference Point: 0, 0, -6.3 mm
Reference Value = 132.5 V/m; Power Drift = 0.01 dB
Applied MIF = 0.00 dB
RF audio interference level = 40.88 dBV/m
Emission category: M3

MIF scaled E-field

Grid 2 M3 40.85 dBV/m	
Grid 5 M4 36.06 dBV/m	
 Grid 8 M3 40.88 dBV/m	



0 dB = 110.6 V/m = 40.88 dBV/m

Certificate No: CD835V3-1165_Apr24

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CD1880V3

Calibration Laboratory of Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland ilac-MRA



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Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client SAICT Shenzhen Certificate No. CD1880V3-1149_Apr24

Object	CD1880V3 - SN:	1149	
Calibration procedure(s)	QA CAL-20.v7 Calibration Proce	dure for Validation Sources in air	
Calibration date:	April 15, 2024		
This calibration certificate docume	nts the traceability to nation	onal standards, which realize the physical unit	ts of measurements (SI).
		robability are given on the following pages and	
All calibrations have been conduct	ed in the closed laborator	y facility: environment temperature (22 ± 3)°C	and humidity < 70%.
		,, -	
Calibration Equipment used (M&TI	E critical for calibration)		
Primary Standards	ID#	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	26-Mar-24 (No. 217-04036/04037)	Mar-25
Power sensor NRP-Z91	SN: 103244	26-Mar-24 (No. 217-04036)	Mar-25
	SN: 103244 SN: 103245	26-Mar-24 (No. 217-04036) 26-Mar-24 (No. 217-04037)	Mar-25 Mar-25
Power sensor NRP-Z91			
Power sensor NRP-Z91 Reference 20 dB Attenuator	SN: 103245	26-Mar-24 (No. 217-04037)	Mar-25
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination	SN: 103245 SN: BH9394 (20k)	26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046)	Mar-25 Mar-25
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3	SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327	26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046) 26-Mar-24 (No. 217-04047)	Mar-25 Mar-25 Mar-25
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards	SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 4013	26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046) 26-Mar-24 (No. 217-04047) 28-Dec-23 (No. EF3-4013_Dec23)	Mar-25 Mar-25 Mar-25 Dec-24
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards	SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 4013 SN: 781	26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046) 26-Mar-24 (No. 217-04047) 28-Dec-23 (No. EF3-4013_Dec23) 16-Feb-24 (No. DAE4-781_Feb24)	Mar-25 Mar-25 Mar-25 Dec-24 Feb-25
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards Power meter Agilent 4419B	SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 4013 SN: 781	26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046) 26-Mar-24 (No. 217-04047) 28-Dec-23 (No. EF3-4013_Dec23) 16-Feb-24 (No. DAE4-781_Feb24) Check Date (in house) 09-Oct-09 (in house check Nov-23)	Mar-25 Mar-25 Mar-25 Dec-24 Feb-25 Scheduled Check
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A	SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 4013 SN: 781	26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046) 26-Mar-24 (No. 217-04047) 28-Dec-23 (No. EF3-4013_Dec23) 16-Feb-24 (No. DAE4-781_Feb24) Check Date (in house)	Mar-25 Mar-25 Mar-25 Dec-24 Feb-25 Scheduled Check In house check: Nov-24
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A Power sensor HP 8482A	SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 4013 SN: 781 ID # SN: GB42420191 SN: US38485102	26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046) 26-Mar-24 (No. 217-04047) 28-Dec-23 (No. EF3-4013_Dec23) 16-Feb-24 (No. DAE4-781_Feb24) Check Date (in house) 09-Oct-09 (in house check Nov-23) 05-Jan-10 (in house check Nov-23) 09-Oct-09 (in house check Nov-23)	Mar-25 Mar-25 Mar-25 Dec-24 Feb-25 Scheduled Check In house check: Nov-24 In house check: Nov-24
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A Power sensor HP 8482A RF generator R&S SMT-06	SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 4013 SN: 781 ID # SN: GB42420191 SN: US38485102 SN: US37295597	26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046) 26-Mar-24 (No. 217-04047) 28-Dec-23 (No. EF3-4013_Dec23) 16-Feb-24 (No. DAE4-781_Feb24) Check Date (in house) 09-Oct-09 (in house check Nov-23) 05-Jan-10 (in house check Nov-23)	Mar-25 Mar-25 Mar-25 Dec-24 Feb-25 Scheduled Check In house check: Nov-24 In house check: Nov-24 In house check: Nov-24
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4	SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 4013 SN: 781 ID # SN: GB42420191 SN: US38485102 SN: US38485102 SN: US37295597 SN: 837633/005 SN: US41080477	26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046) 26-Mar-24 (No. 217-04047) 28-Dec-23 (No. EF3-4013_Dec23) 16-Feb-24 (No. DAE4-781_Feb24) Check Date (in house) 09-Oct-09 (in house check Nov-23) 05-Jan-10 (in house check Nov-23) 10-Jan-19 (in house check Nov-23) 31-Mar-14 (in house check Oct-22) Function	Mar-25 Mar-25 Mar-25 Dec-24 Feb-25 Scheduled Check In house check: Nov-24 In house check: Nov-24 In house check: Nov-24 In house check: Nov-24
Power sensor NRP-Z91 Reference 20 dB Attenuator Type-N mismatch combination Probe EF3DV3 DAE4 Secondary Standards Power meter Agilent 4419B Power sensor HP E4412A Power sensor HP 8482A RF generator R&S SMT-06	SN: 103245 SN: BH9394 (20k) SN: 310982 / 06327 SN: 4013 SN: 781 ID # SN: GB42420191 SN: US38485102 SN: US37295597 SN: 837633/005 SN: US41080477	26-Mar-24 (No. 217-04037) 26-Mar-24 (No. 217-04046) 26-Mar-24 (No. 217-04047) 28-Dec-23 (No. EF3-4013_Dec23) 16-Feb-24 (No. DAE4-781_Feb24) Check Date (in house) 09-Oct-09 (in house check Nov-23) 05-Jan-10 (in house check Nov-23) 10-Jan-19 (in house check Nov-23) 31-Mar-14 (in house check Oct-22)	Mar-25 Mar-25 Mar-25 Dec-24 Feb-25 Scheduled Check In house check: Nov-24 In house check: Oct-24

Certificate No: CD1880V3-1149_Apr24

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





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Accreditation No.: SCS 0108

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Multilateral Agreement for the recognition of calibration certificates

References

[1] ANSI-C63.19-2019 (ANSI-C63.19-2011) American National Standard, Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids.

Methods Applied and Interpretation of Parameters:

- Coordinate System: y-axis is in the direction of the dipole arms. z-axis is from the basis of the antenna
 (mounted on the table) towards its feed point between the two dipole arms. x-axis is normal to the other axes.
 In coincidence with the standards [1], the measurement planes (probe sensor center) are selected to be at a
 distance of 15 mm above the top metal edge of the dipole arms.
- Measurement Conditions: Further details are available from the hardcopies at the end of the certificate. All
 figures stated in the certificate are valid at the frequency indicated. The forward power to the dipole connector
 is set with a calibrated power meter connected and monitored with an auxiliary power meter connected to a
 directional coupler. While the dipole under test is connected, the forward power is adjusted to the same level.
- Antenna Positioning: The dipole is mounted on a HAC Test Arch phantom using the matching dipole positioner with the arms horizontal and the feeding cable coming from the floor. The measurements are performed in a shielded room with absorbers around the setup to reduce the reflections. It is verified before the mounting of the dipole under the Test Arch phantom, that its arms are perfectly in a line. It is installed on the HAC dipole positioner with its arms parallel below the dielectric reference wire and able to move elastically in vertical direction without changing its relative position to the top center of the Test Arch phantom. The vertical distance to the probe is adjusted after dipole mounting with a DASY5 Surface Check job. Before the measurement, the distance between phantom surface and probe tip is verified. The proper measurement distance is selected by choosing the matching section of the HAC Test Arch phantom with the proper device reference point (upper surface of the dipole) and the matching grid reference point (tip of the probe) considering the probe sensor offset. The vertical distance to the probe is essential for the accuracy.
- Feed Point Impedance and Return Loss: These parameters are measured using a Vector Network Analyzer.
 The impedance is specified at the SMA connector of the dipole. The influence of reflections was eliminating by applying the averaging function while moving the dipole in the air, at least 70cm away from any obstacles.
- E-field distribution: E field is measured in the x-y-plane with an isotropic E-field probe with 100 mW forward power to the antenna feed point. In accordance with [1], the scan area is 20mm wide, its length exceeds the dipole arm length (180 or 90mm). The sensor center is 15 mm (in z) above the metal top of the dipole arms. Two 3D maxima are available near the end of the dipole arms. Assuming the dipole arms are perfectly in one line, the average of these two maxima (in subgrid 2 and subgrid 8) is determined to compensate for any non-parallelity to the measurement plane as well as the sensor displacement. The E-field value stated as calibration value represents the maximum of the interpolated 3D-E-field, in the plane above the dipole surface.

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

Certificate No: CD1880V3-1149_Apr24 Page 2 of 5

Measurement Conditions

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

DASY Version	DASY5	V52.10.4
Phantom	HAC Test Arch	
Distance Dipole Top - Probe Center	15 mm	
Scan resolution	dx, dy = 5 mm	
Frequency	1880 MHz ± 1 MHz	
Input power drift	< 0.05 dB	

Maximum Field values at 1880 MHz

E-field 15 mm above dipole surface	condition	Interpolated maximum
Maximum measured above high end	100 mW input power	88.8 V/m = 38.97 dBV/m
Maximum measured above low end	100 mW input power	88.6 V/m = 38.95 dBV/m
Averaged maximum above arm	100 mW input power	88.7 V/m ± 12.8 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

Antenna Parameters

Frequency	Return Loss	Impedance
1730 MHz	23.5 dB	54.4 Ω + 5.4 jΩ
1880 MHz	22.2 dB	54.7 Ω + 6.6 jΩ
1900 MHz	22.4 dB	56.6 Ω + 4.6 jΩ
1950 MHz	30.8 dB	52.6 Ω - 1.4 jΩ
2000 MHz	21.2 dB	44.1 Ω + 5.8 jΩ

3.2 Antenna Design and Handling

The calibration dipole has a symmetric geometry with a built-in two stub matching network, which leads to the enhanced bandwidth.

The dipole is built of standard semirigid coaxial cable. The internal matching line is open ended. The antenna is therefore open for DC signals.

Do not apply force to dipole arms, as they are liable to bend. The soldered connections near the feedpoint may be damaged. After excessive mechanical stress or overheating, check the impedance characteristics to ensure that the internal matching network is not affected.

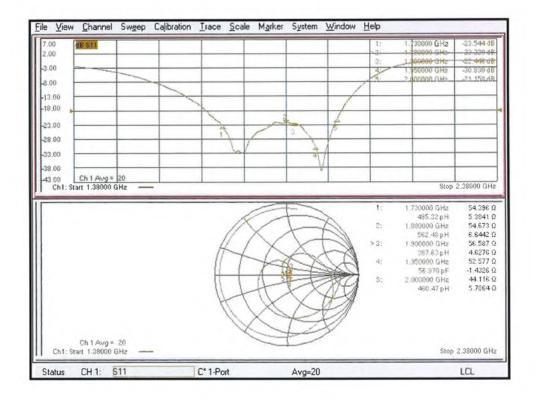
After long term use with 40W radiated power, only a slight warming of the dipole near the feedpoint can be measured.

Certificate No: CD1880V3-1149_Apr24

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Impedance Measurement Plot



Certificate No: CD1880V3-1149_Apr24

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DASY5 E-field Result

Date: 15.04.2024

Test Laboratory: SPEAG Lab2

DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: CD1880V3 - SN: 1149

Communication System: UID 0 - CW ; Frequency: 1880 MHz Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m³ Phantom section: RF Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EF3DV3 SN4013; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 28.12.2023
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 16.02.2024
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

Dipole E-Field measurement @ 1880MHz/E-Scan - 1880MHz d=15mm/Hearing Aid Compatibility Test (41x181x1): Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm Reference Value = 166.7 V/m; Power Drift = 0.02 dB

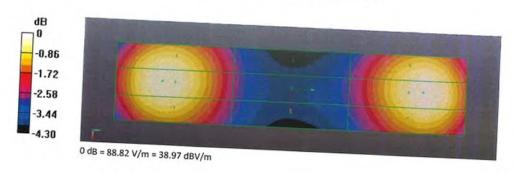
Applied MIF = 0.00 dB

RF audio interference level = 38.97 dBV/m

Emission category: M2

MIF scaled E-field

Grid 1 M2 38.72 dBV/m	Grid 2 M2 38.97 dBV/m	Grid 3 M2 38.84 dBV/m
Grid 4 M2		Grid 6 M2
Grid 7 M2		Grid 9 M2



Certificate No: CD1880V3-1149_Apr24

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ANNEX D: Probe Calibration Certificate

Calibration Laboratory of Schmid & Partner Engineering AG







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

Accreditation No.: SCS 0108

Accredited by the Swiss Accreditation Service (SAS)

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

Client

SAICT

Certificate No.

EF-4094_Aug23

CALIBRATION CERTIFICATE

Object EF3DV3 - SN:4094

Calibration procedure(s) QA CAL-02.v9, QA CAL-25.v8

Calibration procedure for E-field probes optimized for close near field

evaluations in air

Calibration date August 10, 2023

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

All calibrations have been conducted in the closed laboratory facility: environment temperature (22 \pm 3) $^{\circ}$ C and humidity < 70%.

Calibration Equipment used (M&TE critical for calibration)

Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration
Power meter NRP2	SN: 104778	30-Mar-23 (No. 217-03804/03805)	Mar-24
Power sensor NRP-Z91	SN: 103244	30-Mar-23 (No. 217-03804)	Mar-24
Power sensor NRP-Z91	SN: 103245	30-Mar-23 (No. 217-03805)	Mar-24
Reference 20 dB Attenuator	SN: CC2552 (20x)	30-Mar-23 (No. 217-03809)	Mar-24
DAE4	SN: 789	03-Jan-23 (No. DAE4-789 Jan23)	Jan-24
Reference Probe ER3DV6	SN: 2328	06-Oct-22 (No. ER3-2328 Oct22)	Oct-23

Secondary Standards	ID	Check Date (in house)	Scheduled Check
Power meter E4419B	SN: GB41293874	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: MY41498087	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
Power sensor E4412A	SN: 000110210	06-Apr-16 (in house check Jun-22)	In house check: Jun-24
RF generator HP 8648C	SN: US3642U01700	04-Aug-99 (in house check Jun-22)	In house check: Jun-24
Network Analyzer E8358A	SN: US41080477	31-Mar-14 (in house check Oct-22)	In house check: Oct-24

Name Function Signature

Calibrated by Jeffrey Katzman Laboratory Technician

Approved by Sven Kühn Technical Manager

Issued: August 10, 2023

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

Certificate No: EF-4094_Aug23

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Calibration Laboratory of

Schmid & Partner Engineering AG

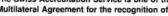
Zeughausstrasse 43, 8004 Zurich, Switzerland





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

Accreditation No.: SCS 0108



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

Glossary

NORMx,y,z sensitivity in free space DCP diode compression point

CF crest factor (1/duty_cycle) of the RF signal A, B, C, D modulation dependent linearization parameters En incident E-field orientation normal to probe axis Ep incident E-field orientation parallel to probe axis

Polarization φ φ rotation around probe axis

Polarization & θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i.e., $\theta = 0$ 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) IEEE Std 1309-2005, "IEEE Standard for calibration of electromagnetic field sensors and probes, excluding antennas, from 9 kHz to 40 GHz", December 2005
- b) CTIA Test Plan for Hearing Aid Compatibility, Rev 3.1.1, May 2017

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization θ = 0 for XY sensors and θ = 90 for Z sensor (f ≤ 900 MHz in TEM-cell; f > 1800 MHz in R22 waveguide).
- NORM(f)x,y,z = NORMx,y,z * frequency_response (see Frequency Response Chart).
- 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.
- · Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide setup
- Sensor Offset: The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.
- Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

Certificate No: EF-4094_Aug23

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EF3DV3 - SN:4094 August 10, 2023

Parameters of Probe: EF3DV3 - SN:4094

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k = 2)
Norm $(\mu V/(V/m)^2)$	1.01	1.05	1.85	±10.1%
DCP (mV) B	106.0	102.0	103.5	±4.7%

Calibration Results for Frequency Response (30 MHz - 5.8 GHz)

Frequency MHz	Target E-field (En) V/m	Measured E-field (En) V/m	Deviation E-field (En)	Target E-field (Ep) V/m	Measured E-field (Ep) V/m	Deviation E-field (Ep)	Unc (k = 2)
30	77.1	76.9	-0.2%	77.2	77.7	0.7%	±5.1%
100	76.9	78.0	1.4%	77.0	78.1	1.4%	±5.1%
450	77.2	78.4	1.5%	76.8	77.9	1.4%	±5.1%
600	77.1	77.9	1.0%	77.2	77.8	0.8%	±5.1%
750	77.2	77.6	0.6%	77.2	77.5	0.4%	±5.1%
1800	143.1	140.1	-2.2%	143.2	140.2	-2.1%	±5.1%
2000	134.9	129.5	-4.0%	134.8	129.3	-4.0%	±5.1%
2200	127.5	124.4	-2.4%	127.7	125.8	-1.5%	±5.1%
2500	125.5	120.2	-4.2%	125.5	121.2	-3.4%	±5.1%
3000	79.3	76.0	-4.1%	79.3	77.2	-2.7%	±5.1%
3500	256.2	255.4	-0.3%	256.0	252.9	-1.2%	±5.1%
3700	249.6	244.1	-2.2%	249.7	242.9	-2.7%	±5.1%
5200	50.7	50.6	-0.3%	50.8	51.1	0.8%	±5.1%
5500	49.6	48.7	-1.8%	49.6	49.1	-1.0%	±5.1%
5800	48.9	47.9	-2.0%	48.9	47.6	-2.6%	±5.1%

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%.

B Linearization parameter uncertainty for maximum specified field strength.

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

EF3DV3 - SN:4094

August 10, 2023

Parameters of Probe: EF3DV3 - SN:4094

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dB√μV	С	dB	VR mV	Max dev.	Max Unc ^E k = 2
0	CW	X	0.00	0.00	1.00	0.00	153.1	±2.7%	±4.7%
		Y	0.00	0.00	1.00		152.7		1000
		Z	0.00	0.00	1.00		127.1		
10352	Pulse Waveform (200Hz, 10%)	X	2.52	64.62	8.74	10.00	60.0	±3.3%	±9.6%
		Y	2.43	64.72	8.76		60.0		-25
		Z	2.54	64.89	8.96		60.0		
10353	Pulse Waveform (200Hz, 20%)	X	1.29	62.39	6.69	6.99	80.0	±1.1%	±9.6%
		Y	1.24	62.47	6.70		80.0		-271143
		Z	1.23	62.42	6.80		80.0		
10354	Pulse Waveform (200Hz, 40%)	X	24.00	80.00	11.00	3.98	95.0	±1.1%	±9.6%
		Y	22.00	80.00	11.00		95.0		
		Z	22.00	80.00	11.00		95.0		
10355	Pulse Waveform (200Hz, 60%)	X	0.31	60.15	3.79	2.22	120.0	±1.0%	±9.6%
		Y	0.37	60.75	4.00		120.0		
		Z	0.27	60.00	3.82		120.0		
10387	QPSK Waveform, 1 MHz	X	0.72	69.10	15.26	1.00	150.0	±3.3%	±9.6%
		Y	1.05	71.53	16.10	1	150.0	100000	4000
		Z	1.17	75.01	18.10		150.0		
10388	QPSK Waveform, 10 MHz	X	1.55	68.82	15.27	0.00	150.0	±1.2%	±9.6%
		Y	1.70	68.81	15.69		150.0		
		Z	1.76	70.21	16.41		150.0		
10396	64-QAM Waveform, 100 kHz	X	1.98	67.65	17.49	3.01	150.0	±1.0%	±9.6%
		Y	1.86	66.61	17.34		150.0		10.076
		Z	1.67	65.01	16.62		150.0		
10399	64-QAM Waveform, 40 MHz	X	2.86	66.98	15.51	0.00	150.0	±2.2%	±9.6%
	CANADA CAREED CO.	Y	3.00	66.89	15.62	1	150.0		
		Z	2.99	67.30	15.87		150.0		
10414	WLAN CCDF, 64-QAM, 40 MHz	X	3.80	66.48	15.52	0.00	150.0	±3.7%	±9.6%
		Y	4.03	66.35	15.69		150.0		20.070
		Z	3.96	66.58	15.79		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%.

B Linearization parameter uncertainty for maximum specified field strength.

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

EF3DV3 - SN:4094

August 10, 2023

Parameters of Probe: EF3DV3 - SN:4094

Sensor Frequency Model Parameters

	Sensor X	Sensor Y	Sensor Z
Frequency Corr. (LF)	-0.28	-0.17	10.96
Frequency Corr. (HF)	2.82	2.82	2.82

Sensor Model Parameters

	C1 fF	C2 fF	α V ⁻¹	T1 msV ⁻²	T2 ms V ⁻¹	T3 ms	T4 V ⁻²	T5 V ⁻¹	Т6
X	9.9	62.18	33.37	5.87	0.00	4.96	0.64	0.00	1.00
У	12.8	82.36	35.07	5.66	0.00	4.96	0.39	0.00	1.00
z	11.6	73.13	34.05	4.71	0.00	4.96	0.00	0.03	1.00

Other Probe Parameters

Sensor Arrangement	Rectangular
Connector Angle	-148.8°
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	12 mm
Tip Length	25 mm
Tip Diameter	4 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm
Probe Tip to Sensor Z Calibration Point	1.5 mm

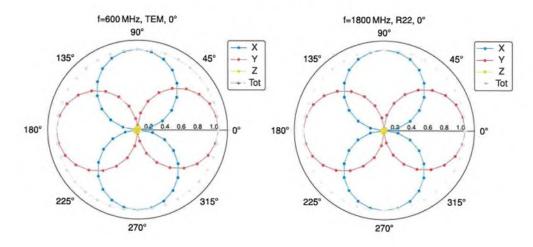
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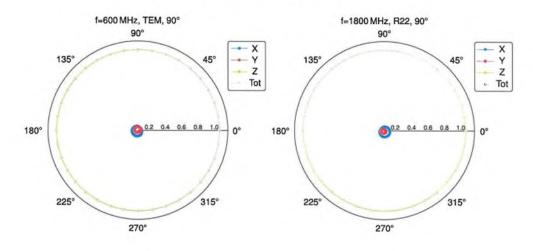
EF3DV3 - SN:4094

August 10, 2023

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



Receiving Pattern (ϕ), $\vartheta = 90^{\circ}$

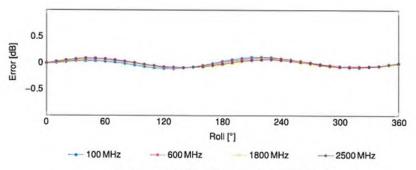


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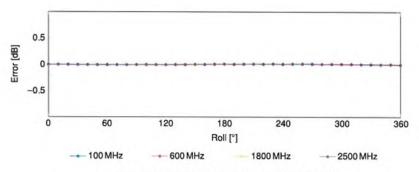
EF3DV3 - SN:4094 August 10, 2023

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



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

Receiving Pattern (ϕ), $\vartheta = 90^{\circ}$



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

Certificate No: EF-4094_Aug23

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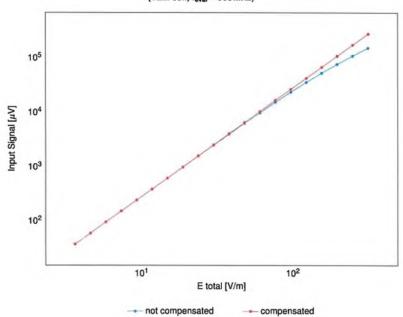


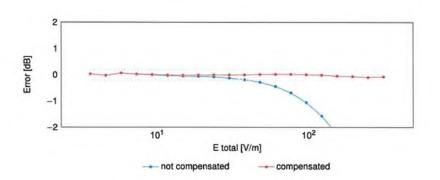
EF3DV3 - SN:4094

August 10, 2023

Dynamic Range f(E-field)

(TEM cell, $f_{eval} = 900 \, MHz$)





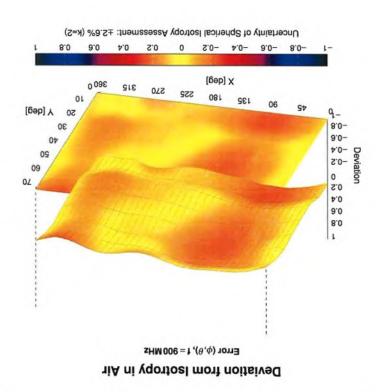
Uncertainty of Linearity Assessment: ±0.6% (k=2)

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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	UncE k =
0		CW	CW	0.00	±4.7
10010	CAB	SAR Validation (Square, 100 ms, 10 ms)	Test	10.00	±9.6
10011	CAC	UMTS-FDD (WCDMA)	WCDMA	2.91	±9.6
10012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	±9.6
10013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	±9.6
10021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	±9.6
10023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	±9.6
10024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	±9.6
10025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	±9.6
10026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	±9.6
10027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	±9.6
10028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	±9.6
0029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	±9.6
0030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	±9.6
0031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	±9.6
10032	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	±9.6
10033	CAA	IEEE 802.15.1 Bluetooth (PV4-DQPSK, DH1)	Bluetooth	7.74	±9.6
0034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	±9.6
0035	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	±9.6
0036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	±9.6
0037	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	±9.6
10038	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	±9.6
0039	CAB	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	±9.6
10042	CAB	IS-54 / IS-136 FDD (TDMA/FDM, Pl/4-DQPSK, Halfrate)	AMPS	7.78	±9.6
10044	CAA	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	±9.6
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	
0049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	DECT	10.79	±9.6
0056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	TD-SCDMA	11.01	±9.6
0058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)			±9.6
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	GSM	6.52	±9.6
10060	CAB		WLAN	2.12	±9.6
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	2.83	±9.6
10062	CAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	3.60	±9.6
	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.68	±9.6
10063		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
		IEEE 802.11a/h WIFI 5 GHz (OFDM, 18 Mbps)	WLAN	9.00	±9.6
10066	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps)	WLAN	9.38	±9.6
10067	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps)	WLAN	10.12	±9.6
10068	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps)	WLAN	10.24	±9.6
10069	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps)	WLAN	10.56	±9.6
10071	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 9 Mbps)	WLAN	9.83	±9.6
10072	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 12 Mbps)	WLAN	9.62	±9.6
10073	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 18 Mbps)	WLAN	9.94	±9.6
10074	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 24 Mbps)	WLAN	10.30	±9.6
10075	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 36 Mbps)	WLAN	10.77	±9.6
10076	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 48 Mbps)	WLAN	10.94	±9.6
10077	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps)	WLAN	11.00	±9.6
0081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	±9.6
10082	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Fullrate)	AMPS	4.77	±9.6
10090	DAC	GPRS-FDD (TDMA, GMSK, TN 0-4)	GSM	6.56	±9.6
10097	CAC	UMTS-FDD (HSDPA)	WCDMA	3.98	±9.6
0098	CAC	UMTS-FDD (HSUPA, Subtest 2)	WCDMA	3.98	±9.6
0099	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	±9.6
0100	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	±9.6
0101	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
0102	CAF	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
10103	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	±9.6
10104	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	±9.6
10105	CAH	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	±9.6
10108	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	±9.6
10109	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
10110	CAH	LTE-FDD (SC-FDMA, 100% RB, 5MHz, QPSK)	LTE-FDD	5.75	±9.6
10111	CAH		LTE-FDD	6.44	±9.6

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10112	CAH	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	±9.6
10113	CAH	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
10114	CAD	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.10	±9.6
10115	CAD	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.46	±9.6
10116	CAD	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.15	±9.6
10117	CAD	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.07	±9.6
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)	WLAN	8.59	±9.6
0119	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-FDD	6.53	±9.6
0142	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
0143	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	±9.6
0144	CAF	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	±9.6
0145	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	±9.6
0146	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	±9.6
0147	CAG	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	±9.6
0149	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	±9.6
0150	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	±9.6
0151	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	±9.6
0152	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	±9.6
0153	CAH	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	±9.6
0154	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	±9.6
0155	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
0156	CAH	LTE-FDD (SC-FDMA, 50% RB, 5MHz, QPSK)	LTE-FDD	5.79	±9.6
0157	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	±9.6
0158	CAH	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	±9.6
0159	CAH	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM) LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	6.56	±9.6
	CAF		LTE-FDD	5.82	±9.6
0161	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	±9.6
0162	CAF	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	±9.6
0166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	5.46	±9.6
0167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM) LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.21	±9.6
10169	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.79 5.73	±9.6
10170	CAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10171	AAF	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD	6.49	±9.6
10172	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	±9.6
10173	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	±9.6
10174	CAH	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	
10175	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	±9.6
10176	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10177	CAJ	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-FDD	5.73	±9.6
10178	CAH	LTE-FDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10179	CAH	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
10180	CAH	LTE-FDD (SC-FDMA, 1 RB, 5MHz, 64-QAM)	LTE-FDD	6.50	
10181	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, QPSK)	LTE-FDD	5.72	±9.6
10182	CAF	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 16-QAM)	LTE-FDD	6.52	±9.6
10183	AAE	LTE-FDD (SC-FDMA, 1 RB, 15MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0184	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	5.73	±9.6
0185	CAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.51	±9.6
0186	AAF	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4MHz, QPSK)	LTE-FDD	5.73	±9.6
0188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.52	±9.6
0189	AAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.50	±9.6
0193	CAD	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	±9.6
0194	CAD	IEEE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	±9.6
0195	CAD	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	±9.6
0196	CAD	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	±9.6
0197	CAD	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	±9.6
0198	CAD	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	±9.6
0219	CAD	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	±9.6
0220	CAD	IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	±9.6
0221	CAD	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	±9.6
10222	CAD	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	±9.6
0223	CAD	IEEE 802.11n (HT Mixed, 10 Mbps, 16-QAM)	WLAN	8.48	±9.6
			WLAN	0.70	±9.6

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9,6±	14.67	XAMIW	IEEE 802.16e WIMAX (29:18, 10 ms, 10 MHz, 64QAM, PUSC, 18 symbols)	AAA	9080
9.6±	15.24	XAMiW	IEEE 802.16e WIMAX (31:15, 10 ms, 10 MHz, 64QAM, PUSC, 15 symbols)	AAA	9000
9.6±	38.11	XAMiW	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, 64QAM, PUSC)	AAA	\$000
9.6±	12.52	XAMīW	IEEE 802.16e WIMAX (31:15, 5ms, 10 MHz, 64QAM, PUSC)	AAA	6060
9.6±	12.57	XAMIW	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC, 3 CTRL symbols)	AAA	0302
9.6∓	12.03	XAMiW	IEEE 802.16e WIMAX (29:18, 5 ms, 10 MHz, QPSK, PUSC)	AAA	1050
9.6±	09.9	LTE-FDD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	3AA	0000
9.6±	66.39	LTE-FDD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	3AA	0299
9.6±	57.2	LTE-FDD	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	3AA	8620
9.6±	18.2	LTE-FDD	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	∃AA	7620
9.6±	12.49	CDMA2000	CDMA2000, RC1, SO3, 1/8th Rate 25 ft.	8AA	0295
9.6±	3.50	CDMA2000	CDMA2000, RC3, SO3, Full Rate	8AA	293
9.6±	98.8	CDMA2000	CDMA2000, RC3, SO32, Full Rate	8AA	262
9.6±	3.46	CDMA2000	CDMA2000, RC3, SO55, Full Rate	8AA	162
9.6±	3.91	CDWA2000	CDMA2000, RC1, SO55, Full Rate	8AA	290
9.6±	12.18	SHd	PHS (QPSK, BW 884 MHz, Rolloff 0.38)	AAO	672
9.6±	18.11	SHd	PHS (QPSK, BW 884MHz, Rolloff 0.5)	AAO	872
9.6±	18.11	SHd	PHS (QPSK)	CAA	277
9.6±	96.6	WCDWA	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	CAC	275
9.6±	78.4	WCDWA	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	CAC	274
9.6±	82.6	CTE-TOD	LTE-TDD (SC-FDMA, 100% RB, 15MHz, QPSK)	C∀G	270
9.6±	£1.01	DOT-3TJ	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	CAG	598
9.6±	10.06	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 15MHz, 16-QAM)	CVC	892
9.6±	9.30	CTE-TOD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	CAH	292
9.6±	10.07	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	CAH	566
9.6±	9.92	CTE-TOD	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	CAH	592
9'6∓	9.23	OGT-3TJ	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	CAH	\$97
9.6±	91.01	CTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	CAH	593
9.6±	58.6	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 5MHz, 16-QAM)	CAH	292
9.6±	9.24	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 3MHz, QPSK)	CVE	192
9.6±	Z6'6	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	CAE	500
9.6±	86'6	LTE-TOD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	CAE	528
9.6±	9:34	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	CAC	892
9.6±	10.08	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	CAC	752
9.6±	96'6	LTE-TDD	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	CAC	526
9.6±	9.20	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 15MHz, QPSK)	CAG	522
9.6±	41.01	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	CAG	524
9.6±	06.6	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 15MHz, 16-QAM)	CAG	253
9.6±	9.24	CTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	CAH	292
9.6±	10.17	CTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	HAD	521
9.6∓	18.6	CTE-TOD	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	CAH	520
9.6±	62.6	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	CAH	546
9.6±	60.01	CTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	CAH	248
9.6±	16.6	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	CAH	247
9.6±	06.6	CTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	CAE	246
9.6±	10.06	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	CAE	245
9.6±	90.01	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	CAE	244
9.6±	94.6	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	CAC	243
9.6±	98.6	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	242	242
9.6±	9.62	LTE-TDD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	CAC	142
9.6±	9.21	LTE-TDD	LTE-TOD (SC-FDMA, 1 RB, 15 MHz, QPSK)	CAG	240
9.6±	10.25	LTE-TDD	LTE-TDD (SC-FDMA, 1 BB, 15 MHz, 64-QAM)	CAG	539
9.6±	84.6	LTE-TDD	LTE-TDD (SC-EDMA, 1 RB, 15MHz, 16-QAM)	2.7.2	
9.6±	9.21	LTE-TDD	LTE-TDD (SC-FDMA, 1 BB, 10 MHz, QPSK)	CAG	882
9.6±	10.25	LTE-TDD		HAD	783
9.6±	84.6		LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	CAH	536
9.6±	9.21	LTE-TD0	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	HAO	532
9.6±	10.25	00T-3TJ	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	HAO	534
9.6±	84.6		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	CAH	233
9.6±		LTE-T00	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	HAD	232
9.6±	61.6	LTE-TDD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	CAE	183
	92.01	LTE-TD0	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	CAE	062
9.6±	84.6	LTE-TD0	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	CAE	529
9.6±	9.22	LTE-TDD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	CAC	822
9.6±	10.26	LTE-TDD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	OAO	722
9.6±	64.6	LTE-TDD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	CAC	226
9.6±	76.3	WCDWA	(+A92H) dd3-2TMU	CAC	225
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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 WIMAX (29:18, 10 ms, 10 MHz, 16QAM, PUSC)	WiMAX	14.46	±9.6
10310	AAA	IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, 16QAM, AMC 2x3, 18 symbols) IEEE 802.16e WiMAX (29:18, 10 ms, 10 MHz, QPSK, AMC 2x3, 18 symbols)	WiMAX	14.58	±9.6
10311	AAE	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	WiMAX	14.57	±9.6
10313	AAA	IDEN 1:3	LTE-FDD	6.06	±9.6
10314	AAA	IDEN 1:6	IDEN	10.51	±9.6
10315	AAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc duty cycle)	IDEN	13.48	±9.6
10316	AAB	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc duty cycle)	WLAN	1.71	±9.6
10317	AAD	IEEE 802.11a WiFi 5 GHz (CFDM, 6 Mbps, 96pc duty cycle)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	WLAN	8.36	±9.6
10352	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	±9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	6.99	±9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	3.98	±9.6
10356	AAA	Pulse Waveform (200Hz, 80%)	Generic	2.22	±9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	0.97	±9.6
10388	AAA	QPSK Waveform, 10MHz	Generic	5.10	±9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	5.22	±9.6
10399	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	±9.6
10400	AAE		Generic	6.27	±9.6
10400	AAE	IEEE 802.11ac WiFi (20 MHz, 64-QAM, 99pc duty cycle) IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.37	±9.6
10401	AAE	IEEE 802.11ac WiFi (40 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.60	±9.6
10402	AAB	CDMA2000 (1xEV-DO, Rev. 0)	WLAN	8.53	±9.6
10403	AAB	CDMA2000 (1xEV-DO, Rev. 0) CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.76	±9.6
10404	AAB	CDMA2000, RC3, SC32, SCH0, Full Rate	CDMA2000	3.77	±9.6
10410	AAH		CDMA2000	5.22	±9.6
10414	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,9,9, Subframe Conf=4) WLAN CCDF, 64-QAM, 40 MHz	LTE-TDD	7.82	±9.6
10415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc duty cycle)	Generic	8.54	±9.6
0416	AAA	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc duty cycle)	WLAN	1.54	±9.6
10417	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc duty cycle)		8.23	±9.6
10418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)	WLAN	8.23 8.14	±9.6
10419	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc duty cycle, Long preambule)		-	±9.6
10422	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.19 8.32	±9.6
10423	AAC	IEEE 802.11n (HT Greenfield, 7.2 Mbps, 16-QAM)	WLAN	8.47	±9.6
10424	AAC	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN		±9.6
10425	AAC	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.40 8.41	2010
10426	AAC	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	±9.6
10427	AAC	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	±9.6
10430	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	±9.6
10431	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	±9.6
10432	AAD	LTE-FDD (OFDMA, 15MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10433	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1)	LTE-FDD	8.34	±9.6
10434	AAB	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	±9.6
10435	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10447	AAE	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	±9.6
10448	AAE	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	±9.6
10449	AAD	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.53	±9.6
10450	AAD	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.48	±9.6
10451	AAB	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	WCDMA	7.48	±9.6
0453	AAE	Validation (Square, 10 ms, 1 ms)	Test	10.00	±9.6
0456	AAC	IEEE 802.11ac WiFi (160 MHz, 64-QAM, 99pc duty cycle)	WLAN	8.63	±9.6
10457	AAB	UMTS-FDD (DC-HSDPA)	WCDMA	6.62	±9.6
10458	AAA	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	6.55	±9.6
0459	AAA	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	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, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
0462	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-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TOD	8.32	±9.6
10465	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	
		LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.82	±9.6
10466				1 /.04	±9.6
10465 10466 10467	AAG				.0.0
10466 10467 10468	AAG 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
10466 10467	AAG				±9.6 ±9.6 ±9.6

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10472	AAG	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10473	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.82	±9.6
10474	AAF	LTE-TDD (SC-FDMA, 1 RB, 15MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10475	AAG	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10477	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.32	±9.6
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, 0L Subframe=2,3,4,7,8,9) LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.57	±9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10481	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.18	±9.6
10482	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45 7.71	±9.6
10483	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,6,9)	LTE-TDD	8.39	
10484	AAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.47	±9.6
10485	AAG	LTE-TDD (SC-FDMA, 50% RB, 5MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.59	±9.6
10486	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.38	±9.6
10487	AAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.60	±9.6
10488	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.70	±9.6
10489	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10490	AAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.41	±9.6
10493	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	+9.6
10494	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TOD	7.74	±9.6
10495	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.37	±9.6
10496	AAG	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10497	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10498	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.40	±9.6
10499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.68	±9.6
10500	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.67	±9.6
10501	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.44	±9.6
10502	AAD	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.52	±9.6
10503	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.72	±9.6
10504	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.31	±9.6
10505	AAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.54	±9.6
10506	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10507	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.36	±9.6
10508	AAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.55	±9.6
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.99	±9.6
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.49	±9.6
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.51	±9.6
10512	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Subframe=2,3,4,7,8,9)	LTE-TDD	7.74	±9.6
10513	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.42	±9.6
10514	AAG	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Subframe=2,3,4,7,8,9)	LTE-TDD	8.45	±9.6
10515	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10516	AAA	IEEE 802.11b WiFl 2.4 GHz (DSSS, 5.5 Mbps, 99pc duty cycle)	WLAN	1.57	±9.6
10517	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc duty cycle)	WLAN	1.58	±9.6
10518	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.23	±9.6
10519	_	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.39	±9.6
10520	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.12	±9.6
10521	AAC		WLAN	7.97	±9.6
10522	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc duty cycle) IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.08	±9.6
10524	AAC	IEEE 802.11a/n WiF1 5 GHz (OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.27 8.36	±9.6
10525	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.36	±9.6
10526	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.42	±9.6
10528	AAC	IEEE 802.11ac WiFi (20 MHz, MCS2, 99pc duty cycle)	WLAN	8.21	±9.6
10529	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.36	±9.6
10529	AAC	IEEE 802.11ac WiFI (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.43	
10532	AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
10533	AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.38	±9.6
10534	AAC	IEEE 802.11ac WiFi (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.45	±9.6
10535	AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.45	19.6
10536	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.32	±9.6
	AAC	IEEE 802.11ac WiFi (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.44	±9.6
10537			******	0.74	10.0
10537	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.54	±9.6

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10541	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.46	±9.6
10542	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.65	±9.6
10543	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.65	±9.6
10544	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.47	±9.6
0545	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
0546	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.35	±9.6
0547	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.49	±9.6
10548	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.37	±9.6
0550	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.38	±9.6
10551	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.50	±9.6
0552	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.42	±9.6
0553	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.45	±9.6
0554	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 99pc duty cycle)	WLAN	8.48	±9.6
0555	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
0556	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.50	±9.6
0557	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 99pc duty cycle)	WLAN	8.52	±9.6
0558	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 99pc duty cycle)	WLAN	8.61	±9.6
0560	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 99pc duty cycle)	WLAN	8.73	±9.6
0561	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 99pc duty cycle)	WLAN	8.56	±9.6
0562	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 99pc duty cycle)	WLAN	8.69	±9.6
0563	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 99pc duty cycle)	WLAN	8.77	±9.6
0564	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc duty cycle)	WLAN	8.25	±9.6
0565	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc duty cycle)	WLAN	8.45	±9.6
0566	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc duty cycle)	WLAN	8.13	±9.6
0567	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc duty cycle)	WLAN	8.00	±9.6
0568	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc duty cycle)	WLAN	8.37	±9.6
0569	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc duty cycle)	WLAN	8.10	±9.6
0570	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc duty cycle)	WLAN	8.30	±9.6
0571	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
0572	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc duty cycle)	WLAN	1.99	±9.6
0573	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
0574	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc duty cycle)	WLAN	1.98	±9.6
0575	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
0576	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
0577	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
0578	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
0579	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
0580	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
0581	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
0582	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
0583 0584	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc duty cycle)	WLAN	8.59	±9.6
	11.0	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc duty cycle)	WLAN	8.60	±9.6
0585	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc duty cycle)	WLAN	8.70	±9.6
0586	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc duty cycle)	WLAN	8.49	±9.6
0587	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc duty cycle)	WLAN	8.36	±9.6
0588	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc duty cycle)	WLAN	8.76	±9.6
0589	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc duty cycle)	WLAN	8.35	±9.6
0590	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc duty cycle)	WLAN	8.67	±9.6
0591	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS0, 90pc duty cycle)	WLAN	8.63	±9.6
0592	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
	_	IEEE 802.11n (HT Mixed, 20 MHz, MCS2, 90pc duty cycle)	WLAN	8.64	±9.6
0594 0595	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
0596	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS4, 90pc duty cycle)	WLAN	8.74	±9.6
	_	IEEE 802.11n (HT Mixed, 20 MHz, MCS5, 90pc duty cycle)	WLAN	8.71	±9.6
0597	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS6, 90pc duty cycle)	WLAN	8.72	±9.6
0598 0599	AAC	IEEE 802.11n (HT Mixed, 20 MHz, MCS7, 90pc duty cycle)	WLAN	8.50	±9.6
0600	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS0, 90pc duty cycle)	WLAN	8.79	±9.6
	_	IEEE 802.11n (HT Mixed, 40 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
0601	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS2, 90pc duty cycle)	WLAN	8.82	±9.6
0602	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS3, 90pc duty cycle)	WLAN	8.94	±9.6
		IEEE 802.11n (HT Mixed, 40 MHz, MCS4, 90pc duty cycle)	WLAN	9.03	±9.6
0604	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS5, 90pc duty cycle)	WLAN	8.76	±9.6
0605	AAC	IEEE 802.11n (HT Mixed, 40 MHz, MCS6, 90pc duty cycle)	WLAN	8.97	±9.6
0606		IEEE 802.11n (HT Mixed, 40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
0607	AAC	IEEE 802.11ac WiFi (20 MHz, MCS0, 90pc duty cycle)	WLAN	8.64	±9.6
0608	AAC	IEEE 802.11ac WiFi (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.77	±9.6

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10611 / 10612 / 10613 / 10614 / 10615 / 10616 / 10616 / 10616 / 10616 / 10620 / 10621 / 10622 / 10623 / 10625 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627	AAC	IEEE 802.11ac WiFi (20 MHz, MCS4, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle)	WLAN WLAN WLAN WLAN	8.70 8.77	±9.6
10612 / 10613 / 10614 / 10615 / 10616 / 10616 / 10617 / 10618 / 10620 / 10621 / 10622 / 10623 / 10624 / 10625 / 10626 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627	AAC	IEEE 802.11ac WiFi (20 MHz, MCS5, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS6, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN WLAN WLAN	8.77	
10613 / 10614 / 10615 / 10616 / 10616 / 10617 / 10618 / 10620 / 10621 / 10622 / 10623 / 10624 / 10625 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627	AAC	IEEE 802.11ac WiFi (20 MHz, MCS6, 80pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS7, 80pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN WLAN		±9.6
10614 / 10615 / 10616 / 10617 / 10618 / 10620 / 10620 / 10621 / 10622 / 10623 / 10624 / 10625 / 10626 / 10626 / 10627 / 10627 / 10626 / 10626 / 10627 / 10627 / 10627 / 10626 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627	AAC AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN		
0615 / 10616 / 10617 / 10618 / 10619 / 10620 / 10621 / 10622 / 10623 / 10624 / 10625 / 10626 / 10626 / 10627 / 10627 / 10627 / 10626 / 10626 / 10627 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 /	AAC AAC AAC AAC AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS7, 90pc duty cycle) IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)	WLAN		±9.6
0616 / 10617 / 10618 / 10619 / 10620 / 10622 / 10623 / 10624 / 10625 / 10626 / 10627 / 10627 / 10627 / 10626 / 10626 / 10626 / 10627 / 10627 / 10626 / 10626 / 10627 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10627 / 10626 / 10626 / 10627 / 10626 / 10626 / 10626 / 10626 / 10627 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 / 10626 /	AAC AAC AAC AAC AAC AAC	IEEE 802.11ac WiFi (20 MHz, MCS8, 90pc duty cycle)		8.59	±9.6
10616 / 10617 / 10618 / 10619 / 10620 / 10621 / 10623 / 10624 / 10625 / 10626 / 10627 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10626 / 10627 / 10627 / 10627 / 10626 / 10627 / 10627 / 10626 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10626 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627 / 10627	AAC AAC AAC AAC AAC AAC			8.82	±9.6
0617 / 10618 / 10619 / 10620 / 10621 / 10622 / 10623 / 10624 / 10625 / 10626 / 10627 / 10627 / 10627	AAC AAC AAC AAC AAC		WLAN	8.82	±9.6
0618 // 0619 // 0620 // 10621 // 10622 // 10623 // 10624 // 10625 // 10626 //	AAC AAC AAC AAC	IEEE 802.11ac WiFi (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.81	±9.6
10619 // 10620 // 10621 // 10622 // 10623 // 10624 // 10625 // 10626 //	AAC AAC AAC	IEEE 802.11ac WiFI (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.58	±9.6
10620 // 10621 // 10622 // 10623 // 10624 // 10625 // 10626 // 10627 //	AAC AAC	IEEE 802.11ac WiFi (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.86	
10621 // 10622 // 10623 // 10624 // 10625 // 10626 //	AAC	IEEE 802.11ac WiFi (40 MHz, MCS4, 90pc duty cycle)	WLAN		±9.6
10622 / 10623 / 10624 / 10625 / 10626 /	AAC			8.87	±9.6
10623 / 10624 / 10625 / 10626 / 10627 /		IEEE 802.11ac WiFi (40 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0624 / 0625 / 0626 / 0627 /		IEEE 802.11ac WiFi (40 MHz, MCS6, 90pc duty cycle)	WLAN	8.68	±9.6
10625 10626 10627	AAC	IEEE 802.11ac WiFi (40 MHz, MCS7, 90pc duty cycle)	WLAN	8.82	±9.6
0626	AAC	IEEE 802.11ac WiFi (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.96	±9.6
0627	AAC	IEEE 802.11ac WiFi (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.96	±9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.88	±9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.71	±9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.72	±9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.81	±9.6
	AAC	IEEE 802.11ac WiFi (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
0633	AAC	IEEE 802.11ac WiFi (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.83	±9.6
0634	AAC	IEEE 802.11ac WiFi (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.80	±9.6
0635	AAC	IEEE 802.11ac WiFi (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6
0636	AAD	IEEE 802.11ac WiFi (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.83	±9.6
0637	AAD	IEEE 802.11ac WiFi (160 MHz, MCS1, 90pc duty cycle)	WLAN	8.79	±9.6
0638	AAD	IEEE 802.11ac WiFi (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.86	±9.6
0639	AAD	IEEE 802.11ac WiFi (160 MHz, MCS3, 90pc duty cycle)	WLAN	8.85	±9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS4, 90pc duty cycle)	WLAN	8.98	+9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS5, 90pc duty cycle)	WLAN	9.06	±9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS6, 90pc duty cycle)	WLAN	9.06	±9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.89	±9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS8, 90pc duty cycle)	WLAN	9.05	±9.6
	AAD	IEEE 802.11ac WiFi (160 MHz, MCS9, 90pc duty cycle)	WLAN	9.11	±9.6
	AAH	LTE-TDD (SC-FDMA, 1 RB, 5MHz, QPSK, UL Subframe=2,7)	LTE-TDD	11.96	
	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Subframe=2,7)	LTE-TDD		±9.6
	AAA	CDMA2000 (1x Advanced)	CDMA2000	11.96	±9.6
	AAF	LTE-TDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	3.45 6.91	±9.6
	AAF				±9.6
		LTE-TDD (OFDMA, 10 MHz, E-TM 3.1, Clipping 44%)	LTE-TOD	7.42	±9.6
	AAE	LTE-TDD (OFDMA, 15 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	6.96	±9.6
	AAF	LTE-TDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	LTE-TDD	7.21	±9.6
	AAB	Pulse Waveform (200Hz, 10%)	Test	10.00	±9.6
	AAB	Pulse Waveform (200Hz, 20%)	Test	6.99	±9.6
	AAB	Pulse Waveform (200Hz, 40%)	Test	3.98	±9.6
	AAB	Pulse Waveform (200Hz, 60%)	Test	2.22	±9.6
	AAB	Pulse Waveform (200Hz, 80%)	Test	0.97	±9.6
	AAA	Bluetooth Low Energy	Bluetooth	2.19	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS0, 90pc duty cycle)	WLAN	9.09	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS1, 90pc duty cycle)	WLAN	8.57	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS2, 90pc duty cycle)	WLAN	8.78	±9.6
0674	AAC	IEEE 802.11ax (20 MHz, MCS3, 90pc duty cycle)	WLAN	8.74	±9.6
0675	AAC	IEEE 802.11ax (20 MHz, MCS4, 90pc duty cycle)	WLAN	8.90	±9.6
0676	AAC	IEEE 802.11ax (20 MHz, MCS5, 90pc duty cycle)	WLAN	8.77	±9.6
0677	AAC	IEEE 802.11ax (20 MHz, MCS6, 90pc duty cycle)	WLAN	8.73	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS7, 90pc duty cycle)	WLAN	8.78	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS8, 90pc duty cycle)	WLAN	8.89	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS9, 90pc duty cycle)	WLAN	8.80	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS10, 90pc duty cycle)	WLAN	8.62	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS11, 90pc duty cycle)	WLAN	8.83	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN		
	AAC	IEEE 802.11ax (20 MHz, MCS1, 99pc duty cycle)	WLAN	8.26 8.33	±9.6
	AAC	IEEE 802.11ax (20 MHz, MCS3, 99pc duty cycle)	WLAN	8.33	±9.6

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10687	AAC	IEEE 802.11ax (20 MHz, MCS4, 99pc duty cycle)	WLAN	8.45	±9.6
10688	AAC	IEEE 802.11ax (20 MHz, MCS5, 99pc duty cycle)	WLAN	8.29	±9.6
0689	AAC	IEEE 802.11ax (20 MHz, MCS6, 99pc duty cycle)	WLAN	8.55	±9.6
0690	AAC	IEEE 802.11ax (20 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
0691	AAC	IEEE 802.11ax (20 MHz, MCS8, 99pc duty cycle)	WLAN	8.25	±9.6
0692	AAC	IEEE 802.11ax (20 MHz, MCS9, 99pc duty cycle)	WLAN	8.29	±9.6
0693	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
0695	AAC	IEEE 802.11ax (40 MHz, MCS0, 90pc duty cycle)	WLAN	8.78	±9.6
0696	AAC	IEEE 802.11ax (40 MHz, MCS1, 90pc duty cycle)	WLAN	8.91	±9.6
0697	AAC	IEEE 802.11ax (40 MHz, MCS2, 90pc duty cycle)	WLAN	8.61	±9.6
0698	AAC	IEEE 802.11ax (40 MHz, MCS3, 90pc duty cycle)	WLAN	8.89	±9.6
0699	AAC	IEEE 802.11ax (40 MHz, MCS4, 90pc duty cycle)	WLAN	8.82	±9.6
0700	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
0703	AAC	IEEE 802.11ax (40 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
0704	AAC	IEEE 802.11ax (40 MHz, MCS9, 90pc duty cycle)	WLAN	8.56	±9.6
0705	AAC	IEEE 802.11ax (40 MHz, MCS10, 90pc duty cycle)	WLAN	8.69	±9.6
0706	AAC	IEEE 802.11ax (40 MHz, MCS11, 90pc duty cycle)	WLAN	8.66	±9.6
0707	AAC	IEEE 802.11ax (40 MHz, MCS0, 99pc duty cycle)	WLAN	8.32	±9.6
0708	AAC	IEEE 802.11ax (40 MHz, MCS1, 99pc duty cycle)	WLAN	8.55	±9.6
0709	AAC	IEEE 802.11ax (40 MHz, MCS2, 99pc duty cycle)	WLAN	8.33	±9.6
10710	AAC	IEEE 802.11ax (40 MHz, MCS3, 99pc duty cycle)	WLAN	8.29	±9.6
0711	AAC	IEEE 802.11ax (40 MHz, MCS4, 99pc duty cycle)	WLAN	8.39	±9.6
10712	AAC	IEEE 802.11ax (40 MHz, MCS5, 99pc duty cycle)	WLAN	8.67	±9.6
10713	AAC	IEEE 802.11ax (40 MHz, MCS6, 99pc duty cycle)	WLAN	8.33	±9.6
0714	AAC	IEEE 802.11ax (40 MHz, MCS7, 99pc duty cycle)	WLAN	8.26	±9.6
0715	AAC	IEEE 802.11ax (40 MHz, MCS8, 99pc duty cycle)	WLAN	8.45	±9.6
0716	AAC	IEEE 802.11ax (40 MHz, MCS9, 99pc duty cycle)	WLAN	8.30	±9.6
0717	AAC	IEEE 802.11ax (40 MHz, MCS10, 99pc duty cycle)	WLAN	8.48	±9.6
10718	AAC	IEEE 802.11ax (40 MHz, MCS11, 99pc duty cycle)	WLAN	8.24	±9.6
10719	AAC	IEEE 802.11ax (80 MHz, MCS0, 90pc duty cycle)	WLAN	8.81	±9.6
10720	AAC	IEEE 802.11ax (80 MHz, MCS1, 90pc duty cycle)	WLAN	8.87	±9.6
10721	AAC	IEEE 802.11ax (80 MHz, MCS2, 90pc duty cycle)	WLAN	8.76	±9.6
10722	AAC	IEEE 802.11ax (80 MHz, MCS3, 90pc duty cycle)	WLAN	8.55	±9.6
10723	AAC	IEEE 802.11ax (80 MHz, MCS4, 90pc duty cycle)	WLAN	8.70	±9.6
10724	AAC	IEEE 802.11ax (80 MHz, MCS5, 90pc duty cycle)	WLAN	8.90	±9.6
10725	AAC	IEEE 802.11ax (80 MHz, MCS6, 90pc duty cycle)	WLAN	8.74	±9.6
10726	AAC	IEEE 802.11ax (80 MHz, MCS7, 90pc duty cycle)	WLAN	8.72	±9.6
10727	AAC	IEEE 802.11ax (80 MHz, MCS8, 90pc duty cycle)	WLAN	8.66	±9.6
10728	AAC	IEEE 802.11ax (80 MHz, MCS9, 90pc duty cycle)	WLAN	8.65	±9.6
10729	AAC	IEEE 802.11ax (80 MHz, MCS10, 90pc duty cycle)	WLAN	8.64	±9.6
0730	AAC	IEEE 802.11ax (80 MHz, MCS11, 90pc duty cycle)	WLAN	8.67	±9.6
10731	AAC	IEEE 802.11ax (80 MHz, MCS0, 99pc duty cycle)	WLAN	8.42	±9.6
10732	AAC	IEEE 802.11ax (80 MHz, MCS1, 99pc duty cycle)	WLAN	8.46	±9.6
0733	AAC	IEEE 802.11ax (80 MHz, MCS2, 99pc duty cycle)	WLAN	8.40	±9.6
10734	AAC	IEEE 802.11ax (80 MHz, MCS3, 99pc duty cycle)	WLAN	8.25	±9.6
0735	AAC	IEEE 802.11ax (80 MHz, MCS4, 99pc duty cycle)	WLAN	8.33	±9.6
0736	AAC	IEEE 802.11ax (80 MHz, MCS5, 99pc duty cycle)	WLAN	8.27	±9.6
10737	AAC	IEEE 802.11ax (80 MHz, MCS6, 99pc duty cycle)	WLAN	8.36	±9.6
10738	AAC	IEEE 802.11ax (80 MHz, MCS7, 99pc duty cycle)	WLAN	8.42	±9.6
0739	AAC	IEEE 802.11ax (80 MHz, MCS8, 99pc duty cycle)	WLAN	8.29	±9.6
0740	AAC	IEEE 802.11ax (80 MHz, MCS9, 99pc duty cycle)	WLAN	8.48	±9.6
0741	AAC	IEEE 802.11ax (80 MHz, MCS10, 99pc duty cycle)	WLAN	8.40	±9.6
0742	AAC	IEEE 802.11ax (80 MHz, MCS11, 99pc duty cycle)	WLAN	8.43	±9.6
0743	AAC	IEEE 802.11ax (160 MHz, MCS0, 90pc duty cycle)	WLAN	8.94	±9.6
0744	AAC	IEEE 802.11ax (160 MHz, MCS1, 90pc duty cycle)	WLAN	9.16	±9.6
0745	AAC	IEEE 802.11ax (160 MHz, MCS2, 90pc duty cycle)	WLAN	8.93	±9.6
0746	AAC	IEEE 802.11ax (160 MHz, MCS3, 90pc duty cycle)	WLAN	9.11	±9.6
0747	AAC	IEEE 802.11ax (160 MHz, MCS4, 90pc duty cycle)	WLAN	9.04	±9.6
0748	AAC	IEEE 802.11ax (160 MHz, MCS5, 90pc duty cycle)	WLAN	8.93	±9.6
10749	AAC	IEEE 802.11ax (160 MHz, MCS6, 90pc duty cycle)	WLAN	8.90	±9.6
10750	AAC	IEEE 802.11ax (160 MHz, MCS7, 90pc duty cycle)	WLAN	8.79	±9.6
10751	AAC	IEEE 802.11ax (160 MHz, MCS8, 90pc duty cycle)	WLAN	8.82	±9.6
10752	AAC	IEEE 802.11ax (160 MHz, MCS9, 90pc duty cycle)	WLAN	8.81	±9.6

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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
10756	AAC	IEEE 802.11ax (160 MHz, MCS1, 99pc duty cycle)	WLAN	8.77	±9.6
10757	AAC	IEEE 802.11ax (160 MHz, MCS2, 99pc duty cycle)	WLAN	8.77	±9.6
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	8.49	±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, 99pc duty cycle)	WLAN	8.54	±9.6
10765	AAC	IEEE 802.11ax (160 MHz, MCS10, 99pc duty cycle)	WLAN	8.54	±9.6
10766	AAC	IEEE 802.11ax (160 MHz, MCS11, 99pc duty cycle)	WLAN	8.51	±9.6
10767	AAE	5G NR (CP-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	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	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.01	±9.6
10770	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10771	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.02	±9.6
10772	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.23	±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, 15 kHz)	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, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.34	±9.6
10779	AAC	5G NR (CP-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.42	±9.6
		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, 15 kHz)	5G NR FR1 TDD	8.38	±9.6
10782	AAD	5G NR (CP-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.43	±9.6
	7 7 700	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.31	±9.6
10784	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz) 5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.29	±9.6
10786	AAD	5G NR (CP-OFDM, 100% RB, 15MHz, QPSK, 15KHz)	5G NR FR1 TDD	8.40	±9.6
10787	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	8.35	±9.6
10788	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 15kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.44	±9.6
10789	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)			±9.6
10790	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 15kHz)	5G NR FR1 TDD 5G NR FR1 TDD	8.37 8.39	±9.6
10791	AAE	5G NR (CP-OFDM, 100% NB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.83	±9.6
10792	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.92	±9.6
10793	AAD	5G NR (CP-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.95	±9.6
10794	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10795	AAD	5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.84	±9.6
10796	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.82	±9.6
10797	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.01	±9.6
10798	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10799	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10801	AAD	5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.89	±9.6
10802	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.87	±9.6
10803	AAD	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	7.93	±9.6
10805	AAD	5G NR (CP-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10806	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.37	±9.6
10809	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10810	AAD	5G NR (CP-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10812	AAD	5G NR (CP-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10817	AAE	5G NR (CP-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.35	±9.6
10818	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.34	±9.6
10819	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.33	±9.6
10820	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.30	±9.6
10821	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10822	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10823	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.36	±9.6
10824	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.39	±9.6
10825	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.41	±9.6
10827	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.42	±9.6
	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.43	±9.6

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10829	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	8.40	±9.6
10830	AAD	5G NR (CP-OFDM, 1 RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.63	±9.6
10832	AAD	5G NR (CP-OFDM, 1 RB, 15MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.73	±9.6
10833	AAD	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.74	±9.6
10834	AAD	5G NR (CP-OFDM, 1 RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10835	AAD	5G NR (CP-OFDM, 1 RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.75	±9.6
10836	AAD	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.70	±9.6
10837	AAD		5G NR FR1 TDD	7.66	±9.6
10837	AAD	5G NR (CP-OFDM, 1 RB, 60 MHz, QPSK, 60 kHz) 5G NR (CP-OFDM, 1 RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	7.68	±9.6
10840	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD		±9.6
10841	AAD	5G NR (CP-OFDM, 1 RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD 5G NR FR1 TDD	7.67	±9.6
10843	AAD	5G NR (CP-OFDM, 50% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10844	AAD	5G NR (CP-OFDM, 50% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.49	±9.6
10846	AAD	5G NR (CP-OFDM, 50% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10854	AAD	5G NR (CP-OFDM, 100% RB, 10 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10855	AAD	5G NR (CP-OFDM, 100% RB, 15 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10856	AAD	5G NR (CP-OFDM, 100% RB, 20 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10857	AAD	5G NR (CP-OFDM, 100% RB, 25 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.35	±9.6
10858	AAD	5G NR (CP-OFDM, 100% RB, 30 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.36	±9.6
10859	AAD	5G NR (CP-OFDM, 100% RB, 40 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.34	±9.6
10860	AAD	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10861	AAD	5G NR (CP-OFDM, 100% RB, 60 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.40	±9.6
10863	AAD	5G NR (CP-OFDM, 100% RB, 80 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10864	AAD	5G NR (CP-OFDM, 100% RB, 90 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.37	±9.6
10865	AAD	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 60 kHz)	5G NR FR1 TDD	8.41	±9.6
10866	AAD	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10868	AAD	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.89	±9.6
10869	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10870	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.86	±9.6
10871	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10872	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.52	±9.6
10873	AAE	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10874	AAE	5G NR (DFT-s-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10875	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10876	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.39	±9.6
10877	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	7.95	±9.6
10878	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10879	AAE	5G NR (CP-OFDM, 1 RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.12	±9.6
10880	AAE	5G NR (CP-OFDM, 100% RB, 100 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.38	±9.6
10881	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.75	±9.6
10882	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	5.96	±9.6
10883	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.57	±9.6
10884	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	6.53	±9.6
10885	AAE	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.61	±9.6
10886	AAE	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	6.65	±9.6
10887	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	7.78	±9.6
10888	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, QPSK, 120 kHz)	5G NR FR2 TDD	8.35	±9.6
10889	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.02	±9.6
10890	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 16QAM, 120 kHz)	5G NR FR2 TDD	8.40	±9.6
10891	AAE	5G NR (CP-OFDM, 1 RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.13	±9.6
10892	AAE	5G NR (CP-OFDM, 100% RB, 50 MHz, 64QAM, 120 kHz)	5G NR FR2 TDD	8.41	±9.6
10897	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.66	±9.6
10898	AAB	5G NR (DFT-s-OFDM, 1 RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10899	AAB	5G NR (DFT-s-OFDM, 1 RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.67	±9.6
10900	AAB	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10901	AAB	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10902	AAB	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10903	AAB	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10904	AAB	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10905	AAB	5G NR (DFT-s-OFDM, 1 RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10906	AAB	5G NR (DFT-s-OFDM, 1 RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.68	±9.6
10907	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.78	±9.6
10908	AAB	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10909	AAB	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.96	±9.6
10910	AAB	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6

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August 10, 2023

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E k =
10911	AAB	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.93	±9.6
10912	AAB	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10913	AAB	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10914	AAB	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.85	±9.6
10915	AAB	5G NR (DFT-s-OFDM, 50% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.83	±9.6
10916	AAB	5G NR (DFT-s-OFDM, 50% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
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 (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
0919	AAB	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.86	±9.6
10920	AAB	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.87	±9.6
10921	AAB	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10922	AAB	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.82	±9.6
10923	AAB	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10924	AAB	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10925	AAB	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.95	±9.6
10926	AAB	5G NR (DFT-s-OFDM, 100% RB, 60 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.84	±9.6
10927	AAB	5G NR (DFT-s-OFDM, 100% RB, 80 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	5.94	±9.6
0928	AAC	5G NR (DFT-s-OFDM, 1 RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
10929	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, 15 kHz)	5G NR FR1 FDD	5.52	±9.6
0931	AAC	5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0932	AAC	5G NR (DFT-s-OFDM, 1 RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0933	AAC	5G NR (DFT-s-OFDM, 1 RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0934	AAC	5G NR (DFT-s-OFDM, 1 RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0935	AAD	5G NR (DFT-s-OFDM, 1 RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.51	±9.6
0936	AAC	5G NR (DFT-s-OFDM, 50% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
0937	AAC	5G NR (DFT-s-OFDM, 50% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.77	±9.6
0938	AAC	5G NR (DFT-s-OFDM, 50% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.90	±9.6
0939	AAC	5G NR (DFT-s-OFDM, 50% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.82	±9.6
0940	AAC	5G NR (DFT-s-OFDM, 50% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.89	±9.6
0941	AAC	5G NR (DFT-s-OFDM, 50% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
0942	AAC	5G NR (DFT-s-OFDM, 50% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
0943	AAD	5G NR (DFT-s-OFDM, 50% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.95	±9.6
0944	AAC	5G NR (DFT-s-OFDM, 100% RB, 5 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.81	±9.6
0945	AAC	5G NR (DFT-s-OFDM, 100% RB, 10 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.85	±9.6
0946	AAC	5G NR (DFT-s-OFDM, 100% RB, 15 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.83	±9.6
10947	AAC	5G NR (DFT-s-OFDM, 100% RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10948	AAC	5G NR (DFT-s-OFDM, 100% RB, 25 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
0949	AAC	5G NR (DFT-s-OFDM, 100% RB, 30 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.87	±9.6
10950	AAC	5G NR (DFT-s-OFDM, 100% RB, 40 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.94	±9.6
0951	AAD	5G NR (DFT-s-OFDM, 100% RB, 50 MHz, QPSK, 15 kHz)	5G NR FR1 FDD	5.92	±9.6
0952	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.25	±9.6
0953	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.15	±9.6
0954	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.23	±9.6
0955	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.42	±9.6
0956	AAA	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.14	±9.6
0957	AAA	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.31	±9.6
0958	AAA	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.61	±9.6
0959	AAA	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.33	±9.6
0960	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.32	±9.6
0961	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.36	±9.6
0962	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.40	±9.6
0963	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 15 kHz)	5G NR FR1 TDD	9.55	±9.6
0964	AAC	5G NR DL (CP-OFDM, TM 3.1, 5 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.29	±9.6
0965	AAB	5G NR DL (CP-OFDM, TM 3.1, 10 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.37	±9.6
0966	AAB	5G NR DL (CP-OFDM, TM 3.1, 15 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.55	±9.6
0967	AAB	5G NR DL (CP-OFDM, TM 3.1, 20 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.42	±9.6
0968	AAB	5G NR DL (CP-OFDM, TM 3.1, 100 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.49	±9.6
0972	AAB	5G NR (CP-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz)	5G NR FR1 TDD	11.59	±9.6
0973	AAB	5G NR (DFT-s-OFDM, 1 RB, 100 MHz, QPSK, 30 kHz)	5G NR FR1 TDD	9.06	±9.6
0974	AAB	5G NR (CP-OFDM, 100% RB, 100 MHz, 256-QAM, 30 kHz)	5G NR FR1 TDD	10.28	±9.6
0978	AAA	ULLA BDR	ULLA	1.16	±9.6
10979	AAA	ULLA HDR4	ULLA	8.58	±9.6
10980	AAA	ULLA HDR8	ULLA	10.32	±9.6
10981	AAA	ULLA HDRp4	ULLA	3.19	±9.6
10982	AAA	ULLA HDRp8	ULLA	3.43	±9.6

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UID	Rev	Communication System Name	Group	PAR (dB)	$Unc^E k = 2$
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
10986	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.50	±9.6
10987	AAA	5G NR DL (CP-OFDM, TM 3.1, 60 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.53	±9.6
10988	AAA	5G NR DL (CP-OFDM, TM 3.1, 70 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.38	±9.6
10989	AAA	5G NR DL (CP-OFDM, TM 3.1, 80 MHz, 64-QAM, 30 kHz)	5G NR FR1 TDD	9.33	±9.6
10990	AAA	5G NR DL (CP-OFDM, TM 3.1, 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, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.70	±9.6
11006	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.55	±9.6
11007	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.46	±9.6
11008	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 15 kHz)	5G NR FR1 FDD	8.51	±9.6
11009	AAA	5G NR DL (CP-OFDM, TM 3.1, 25 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.76	±9.6
11010	AAA	5G NR DL (CP-OFDM, TM 3.1, 30 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.95	±9.6
11011	AAA	5G NR DL (CP-OFDM, TM 3.1, 40 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.96	±9.6
11012	AAA	5G NR DL (CP-OFDM, TM 3.1, 50 MHz, 64-QAM, 30 kHz)	5G NR FR1 FDD	8.68	±9.6
11013	AAA	IEEE 802.11be (320 MHz, MCS1, 99pc duty cycle)	WLAN	8.47	±9.6
11014	AAA	IEEE 802.11be (320 MHz, MCS2, 99pc duty cycle)	WLAN	8.45	±9.6
11015	AAA	IEEE 802.11be (320 MHz, MCS3, 99pc duty cycle)	WLAN	8.44	±9.6
11016	AAA	IEEE 802.11be (320 MHz, MCS4, 99pc duty cycle)	WLAN	8.44	±9.6
11017	AAA	IEEE 802.11be (320 MHz, MCS5, 99pc duty cycle)	WLAN	8.41	±9.6
11018	AAA	IEEE 802.11be (320 MHz, MCS6, 99pc duty cycle)	WLAN	8.40	±9.6
11019	AAA	IEEE 802.11be (320 MHz, MCS7, 99pc duty cycle)	WLAN	8.29	±9.6
11020	AAA	IEEE 802.11be (320 MHz, MCS8, 99pc duty cycle)	WLAN	8.27	±9.6
11021	AAA	IEEE 802.11be (320 MHz, MCS9, 99pc duty cycle)	WLAN	8.46	±9.6
11022	AAA	IEEE 802.11be (320 MHz, MCS10, 99pc duty cycle)	WLAN	8.36	±9.6
11023	AAA	IEEE 802.11be (320 MHz, MCS11, 99pc duty cycle)	WLAN	8.09	±9.6
11024	AAA	IEEE 802.11be (320 MHz, MCS12, 99pc duty cycle)	WLAN	8.42	±9.6
11025	AAA	IEEE 802.11be (320 MHz, MCS13, 99pc duty cycle)	WLAN	8.37	±9.6
11026	AAA	IEEE 802.11be (320 MHz, MCS0, 99pc duty cycle)	WLAN	8.39	±9.6

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

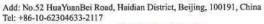
Certificate No: EF-4094_Aug23

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ANNEX E: DAE Calibration Certificate





E-mail: emf@caict.ac.cn http://www.caict.ac.cn



Client : SAI	СТ	Certificate	Certificate No: 24J02Z000295	
CALIBRATION	CERTIFICA	TE		
Object	DAE4	- SN: 1790		
Calibration Procedure(s)	FF-Z1	1-002-01 ation Procedure for the Data Acqu	isition Electronics	
Calibration date: June		06, 2024		
pages and are part of the All calibrations have be humidity<70%. Calibration Equipment us Primary Standards	een conducted in sed (M&TE critical	the closed laboratory facility: environments of the closed laboratory facility is environments.		
Process Calibrator 753	1971018	12-Jun-23 (CTTL, No.J23X05436)	Jun-24	
	Name	Function	Signature	
Calibrated by:	Yu Zongying	SAR Test Engineer	2-0	
Reviewed by:	Lin Jun	SAR Test Engineer	-WEL-	
Approved by:	Qi Dianyuan	SAR Project Leader	301	
			Issued: June 09, 2024	

Certificate No: 24J02Z000295

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Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2117
E-mail: emf@caict.ac.cn http://www.caict.ac.ch

Glossary:

DAE data acquisition electronics

Connector angle information used in DASY system to align probe sensor X

to the robot coordinate system.

Methods Applied and Interpretation of Parameters:

- DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- Connector angle: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The report provide only calibration results for DAE, it does not contain other performance test results.

Certificate No: 24J02Z000295







Add: No.52 HuaYuanBei Road, Haidian District, Beijing, 100191, China Tel: +86-10-62304633-2117
E-mail: emf@caiet.ac.cn http://www.caict.ac.cn

DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB = $6.1\mu V$, full range = -100...+300 mVLow Range: 1LSB = 61nV, full range = -1.....+3mVDASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	X	Y	Z
High Range	404.649 ± 0.15% (k=2)	404.367 ± 0.15% (k=2)	404.501 ± 0.15% (k=2)
Low Range	4.00172 ± 0.7% (k=2)	3.99527 ± 0.7% (k=2)	3.98609 ± 0.7% (k=2)

Connector Angle

Connector Angle to be used in DASY system	305.5° ± 1 °
Connector Angle to be used in DASY system	305.5° ± 1 °

Certificate No: 24J02Z000295



ANNEX F: UID Specification

Calibration Laboratory of Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

GSM-FDD (TDMA, GMSK) GSM 10021-DAC 9.39 dB 3.63 dB ETSI TS 100 909 V8.9.0 (2005-01) Standard Reference: FCC OET KDB 941225, D03 and D04 Periodic pulsed modulation GMSK Category: Modulation: Frequency Band: GSM 450 (450.4 - 457.6 MHz) GSM 450 (450.4 - 457.6 MHz) GSM 480 (478.8 - 486.0 MHz) GSM 710 (698.0 - 716.0 MHz) GSM 750 (747.0 - 763.0 MHz) GSM 850 (824.0 - 849.0 MHz) GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz) Detailed Specification: Active Slot: TN0 Data: PN9 continuous Frame: composed out of 8 Slots Multiframe: 26th (IDLE) Frame set blank Slottype & -timing: Normal burst for GMSK 0.2 MHz Integration Time: 120.0 ms

UID Specification Sheet

the same communication system (same UID and version).

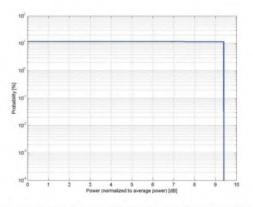
UID 10021-DAC page 1/2

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for

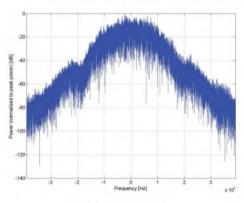


Calibration Laboratory of

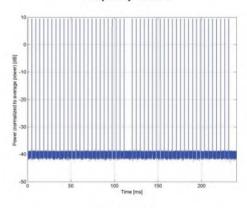
Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

UID Specification Sheet

UID 10021-DAC page 2/2

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

EDGE-FDD (TDMA, 8PSK, TN 0) Name: Group: UID: GSM 10025-DAC PAR: 1 MIF: 2 12.62 dB 3.75 dB ETSI TS 100 909 V8.9.0 (2005-01)
FCC OET KDB 941225, D03 and D04
Periodic pulsed modulation
8PSK
GSM 450 (450.4 - 457.6 MHz)
GSM 480 (478.8 - 486.0 MHz)
GSM 710 (689.0 - 716.0 MHz)
GSM 750 (747.0 - 763.0 MHz)
GSM 850 (824.0 - 849.0 MHz)
P-GSM 900 (890.0 - 915.0 MHz) Standard Reference: Category: Modulation Frequency Band: GSM 850 (824.0 - 849.0 MHz) P-GSM 900 (890.0 - 915.0 MHz) E-GSM 900 (880.0 - 915.0 MHz) R-GSM 900 (876.0 - 915.0 MHz) DCS 1800 (1710.0 - 1785.0 MHz) PCS 1900 (1850.0 - 1910.0 MHz) ER-GSM 900 (873.0 - 915.0 MHz) Validation band (0.0 - 6000.0 MHz) Detailed Specification: Active Slot: TN0 Data: PN9 continuous
Frame: composed out of 8 Slots
Multiframe: 13th (PTCCH) and 26th (IDLE) Frame set blank
Slottype & -timing: Normal burst for 8PSK
0.2 MHz
60.0 ms Bandwidth: Integration Time:

UID Specification Sheet

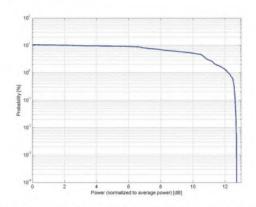
UID 10025-DAC page 1/2

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)" Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).

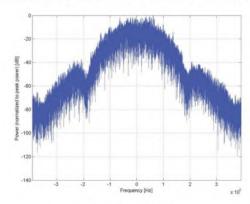


Calibration Laboratory of

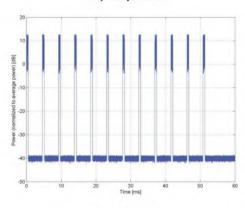
Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

UID Specification Sheet

UID 10025-DAC page 2/2



Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: UMTS-FDD (WCDMA, AMR)

Group: WCDMA UID: 10460-AAA

PAR: 1 2.39 dB MIF: 2 -25.43 dB

Standard Reference: FCC OET KDB 941225 D01 SAR test for 3G devices v03

Category: Random amplitude modulation

Modulation: QPSK

Frequency Band: Band 1, UTRA/FDD (1920.0-1980.0 MHz, 20000)

Band 2, UTRA/FDD (1850.0-1910.0 MHz, 20001)
Band 3, UTRA/FDD (1710.0-1785.0 MHz, 20002)
Band 4, UTRA/FDD (1710.0-1755.0 MHz, 20003)
Band 5, UTRA/FDD (824.0-849.0 MHz, 20004)
Band 6, UTRA/FDD (830.0-840.0 MHz, 20005)
Band 7, UTRA/FDD (2500.0-2570.0 MHz, 20006)
Band 8, UTRA/FDD (880.0-915.0 MHz, 20007)
Band 9, UTRA/FDD (1749.9-1784.9 MHz, 20008)
Band 10, UTRA/FDD (1710.0-1770.0 MHz, 20009)
Band 11, UTRA/FDD (1427.9-1452.9 MHz, 20010)
Band 12, UTRA/FDD (698.0-716.0 MHz, 20011)
Band 13, UTRA/FDD (777.0-787.0 MHz, 20012)

Band 14, UTRA/FDD (777.0-767.0 MHz, 20012)
Band 14, UTRA/FDD (788.0-798.0 MHz, 20013)
Band 19, UTRA/FDD (830.0-845.0 MHz, 20130)
Band 20, UTRA/FDD (832.0-862.0 MHz, 20131)
Band 21, UTRA/FDD (1447.9-1462.9 MHz, 20132)
Band 22, UTRA/FDD (3410.0-3490.0 MHz, 20217)
Band 25, UTRA/FDD (1850.0-1915.0 MHz, 20218)
Band 26, UTRA/FDD (814.0-849.0 MHz, 20219)

Detailed Specification: Dedicated Channel Type: 12.2 kbps AMR

3.4 kbps SRB

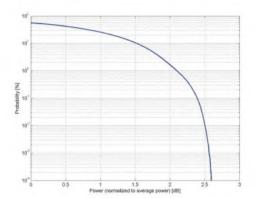
Bandwidth: 5.0 MHz Integration Time: 100.0 ms

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "'Measurement of the Peak-to-Average Power Ratio (PAPR)"

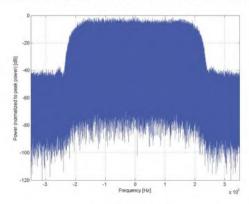
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



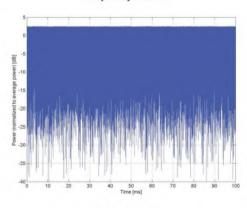
Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

UID Specification Sheet

UID 10460-AAA page 2/2

14.10.2015



Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: UMTS-FDD (HSPA+)

Group: WCDMA UID: 10225-CAB

PAR: 1 5.97 dB MIF: 2 -20.39 dB

Standard Reference: 3GPP Rel 7 TS 34.121

FCC OET KDB 941225 D01 SAR test for 3G devices v02

FCC OET KDB 941225 D02 Guidance for 3GPP R6 and R7 HSPA

v02v01

Category: Random amplitude modulation

Modulation: 16QAM

Frequency Band: Band 1, UTRA/FDD (1920.0-1980.0 MHz, 20000)

Band 2, UTRA/FDD (1850.0-1910.0 MHz, 20001) Band 3, UTRA/FDD (1710.0-1785.0 MHz, 20002) Band 4, UTRA/FDD (1710.0-1755.0 MHz, 20003) Band 5, UTRA/FDD (824.0-849.0 MHz, 20004) Band 6, UTRA/FDD (830.0-840.0 MHz, 20005) Band 7, UTRA/FDD (2500.0-2570.0 MHz, 20006)

Band 6, UTRA/FDD (830.0-840.0 MHz, 20005)
Band 7, UTRA/FDD (2500.0-2570.0 MHz, 20006)
Band 8, UTRA/FDD (880.0-915.0 MHz, 20007)
Band 9, UTRA/FDD (1749.9-1784.9 MHz, 20008)
Band 10, UTRA/FDD (1710.0-1770.0 MHz, 20009)
Band 11, UTRA/FDD (1427.9-1452.9 MHz, 20010)
Band 12, UTRA/FDD (698.0-716.0 MHz, 20011)
Band 13, UTRA/FDD (7777.0-787.0 MHz, 200112)
Band 14, UTRA/FDD (788.0-798.0 MHz, 20013)
Band 19, UTRA/FDD (830.0-845.0 MHz, 20130)
Band 20, UTRA/FDD (832.0-862.0 MHz, 20131)

Band 20, UTRA/FDD (832.0-862.0 MHz, 20131) Band 21, UTRA/FDD (1447.9-1462.9 MHz, 20132) Band 22, UTRA/FDD (3410.0-3490.0 MHz, 20217) Band 25, UTRA/FDD (1850.0-1915.0 MHz, 20218) Band 26, UTRA/FDD (814.0-849.0 MHz, 20219)

Detailed Specification: 12.2 kbps RMC, FRC H-Set 2

CQI value: 2 Sub-test 2 Conditions:

DPCCH gain factor (Beta_c) = 6/15 DPDCH gain factor (Beta_d): 15/15

E-DPDCH Settings: Symbol Rate: 2x1960 Mbps

Modulation 4PAM Data Type: PN9 5.0 MHz

Bandwidth: 5.0 MHz Integration Time: 100.0 ms

UID Specification Sheet

UID 10225-CAB page 1/2

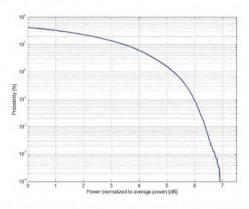
16.01.2014

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

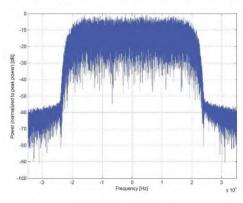
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



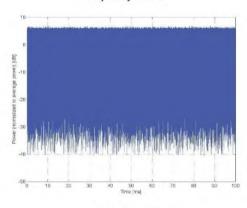
Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

UID Specification Sheet

UID 10225-CAB page 2/2

16.01.2014

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

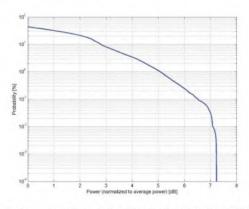
Name: LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) Group: UID: LTE-FDD 10170-CAE PAR: 1 MIF: 2 6.52dB -9.76 dB 3GPP / ETSI TS 136.101 V8.4.0 Standard Reference: 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v01 Random amplitude modulation Category: 16-QAM 16-QAM
Band 1, E-UTRA/FDD (1920.0 - 1980.0 MHz)
Band 2, E-UTRA/FDD (1850.0 - 1910.0 MHz)
Band 3, E-UTRA/FDD (1710.0 - 1785.0 MHz)
Band 4, E-UTRA/FDD (1710.0 - 1785.0 MHz)
Band 4, E-UTRA/FDD (1710.0 - 1755.0 MHz)
Band 7, E-UTRA/FDD (1740.9 - 1784.9 MHz)
Band 10, E-UTRA/FDD (1749.9 - 1784.9 MHz)
Band 20, E-UTRA/FDD (320.0 - 882.0 MHz)
Band 22, E-UTRA/FDD (332.0 - 882.0 MHz)
Band 22, E-UTRA/FDD (3410.0 - 3490.0 MHz)
Band 23, E-UTRA/FDD (190.0 - 2002.0 MHz)
Band 28 E-UTRA/FDD (1850.0 - 1915.0 MHz)
Band 28 E-UTRA/FDD (703.0 - 748.0 MHz)
Band 28 E-UTRA/FDD (1920.0 - 2010.0 MHz) Frequency Band: Band 65, E-UTRA/FDD (1920,0 - 2010,0 MHz) Band 66, E-UTRA/FDD (1710,0 - 1780,0 MHz) Band 70, E-UTRA/FDD (1695,0 - 1710,0 MHz) Band 71, E-UTRA/FDD (663,0 - 698,0 MHz) Band 74, E-UTRA/FDD (1427,0 - 1470,0 MHz) Validation band (0.0 - 6000.0 MHz) Detailed Specification: Modulation Scheme: SC-FDMA Number of PUSCHs: 1 Settings for Subframe #0 to #9: Modulation Scheme: 16QAM Data Type: UL-SCH Number RB: 1 Transport Block Size: 256 TBS Index: 14 MCS Index: 15 Data Type: PN9 20.0 MHz 10.0 ms Bandwidth: Integration Time:

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

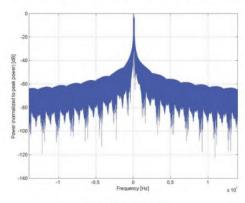
Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



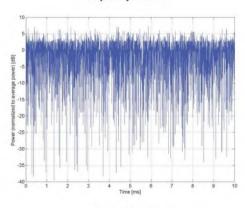
Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

UID Specification Sheet

UID 10170-CAE page 2/2

27.06.2018



Calibration Laboratory of

Schmid & Partner Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM) Group: UID: LTE-TDD 10173-CAD PAR: 1 MIF: 2 9.48 dB -1.44 dB Standard Reference: 3GPP / ETSI TS 136.101 V8.4.0 3GPP / ETSI TS 136.213 V8.4.0 FCC OET KDB 941225 D05 SAR for LTE Devices v02 Random amplitude modulation Category: Modulation Handom ampitude modulation

16-QAM

Band 33, E-UTRA/TDD (1980.0 - 1920.0 MHz)

Band 35, E-UTRA/TDD (1980.0 - 1990.0 MHz)

Band 36, E-UTRA/TDD (1930.0 - 1990.0 MHz)

Band 37, E-UTRA/TDD (1930.0 - 1990.0 MHz)

Band 38, E-UTRA/TDD (2570.0 - 2620.0 MHz)

Band 38, E-UTRA/TDD (2500.0 - 2620.0 MHz)

Band 40, E-UTRA/TDD (2800.0 - 2400.0 MHz)

Band 40, E-UTRA/TDD (2496.0 - 2690.0 MHz)

Band 41, E-UTRA/TDD (2496.0 - 2690.0 MHz)

Band 43, E-UTRA/TDD (3600.0 - 3800.0 MHz)

Band 44, E-UTRA/TDD (703.0 - 803.0 MHz)

Band 45, E-UTRA/TDD (703.0 - 803.0 MHz)

Band 46, E-UTRA/TDD (5150.0 - 5925.0 MHz)

Band 47, E-UTRA/TDD (3550.0 - 3700.0 MHz)

Validation band (0.0 - 6000.0 MHz) 16-QAM Frequency Band: Validation band (0.0 - 6000.0 MHz) Detailed Specification: Modulation Scheme: SC-FDMA Modulation Scheme: SC-FUMA Uplink-downlink configuration: 1 Special Subframe configuration: 4 Number of Frames: 1 Settings for UL Subframe 2,3,7,8: Number of PUSCHs: 1 Modulation Scheme: 16QAM Allocated RB: 1 Start Number of RB: 50 Data Type: PN9fix 20.0 MHz Bandwidth: Integration Time: 6.0 ms

UID Specification Sheet

UID 10173-CAD page 1/2

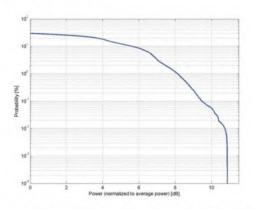
27.07.2017

PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"
 Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).

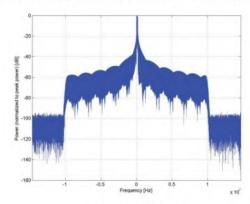


Calibration Laboratory of

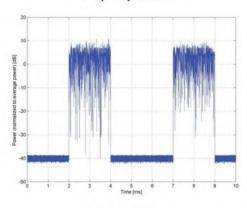
Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

UID Specification Sheet

UID 10173-CAD page 2/2

27.07.2017



Calibration Laboratory of

Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland

Name: IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)

WLAN Group: UID: 10061-CAB

PAR: 1 3.60 dB MIF: 2 -2.02 dB

IEEE 802.11b-1999, Part 11, FCC SAR meas for 802 11 a b g Standard Reference:

v01r02 (248227 D01)

Category: Random amplitude modulation

Modulation: **DQPSK**

WLAN 2.4GHz (2412.0-2484.0 MHz, 20230) Frequency Band:

Detailed Specification: Data Rate: 11 Mbps

Spreading, Coding: CCK PPDU format: Long Preamble & Heading

PSDU Length: 1024

PSDU Data: PN9 20.0 MHz Bandwidth: Integration Time: 1.5 ms

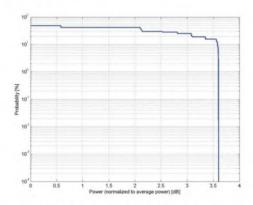
PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)"

Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).

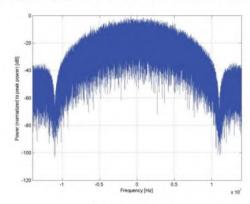


Calibration Laboratory of

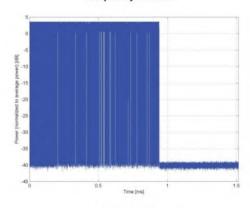
Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

UID Specification Sheet

UID 10061-CAB page 2/2



Calibration Laboratory of

Schmid & Partner

Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland

IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps) Name:

WLAN Group: UID: 10077-CAB

PAR: 1 11.00 dB MIF: 2 0.12 dB

Standard Reference: IEEE 802.11g-2003, Part 11

FCC SAR meas for 802 11 a b g v01r02 (248227 D01)

Random amplitude modulation Category:

Modulation: 64-QAM

Frequency Band: WLAN 2.4GHz (2412.0-2484.0 MHz, 20230)

Detailed Specification: Data Rate: 54 Mbps

Coding Rate: 3/4

Coded bits per subcarrier: 6 Coded bits per OFDM symbol: 288 Data bits per OFDM symbol: 216 PSDU Length: 1000 Bytes

PSDU Data: PN9 20.0 MHz Bandwidth: Integration Time: 0.9 ms

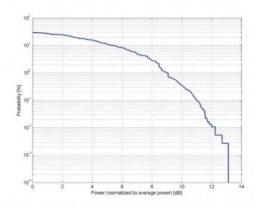
UID Specification Sheet

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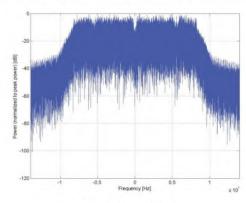
PAR (0.1%) in accordance with FCC KDB 971168, Section 6.0 "Measurement of the Peak-to-Average Power Ratio (PAPR)" Modulation Interference Factor (MIF) value valid only in conjunction with advanced probe response linearization calibration for the same communication system (same UID and version).



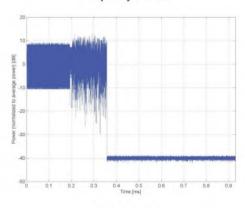
Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 8004 Zurich, Switzerland



Complementary Cumulative Distribution Function (CCDF)



Frequency Domain



Time Domain

UID Specification Sheet

UID 10077-CAB page 2/2