





RF EXPOSURE EVALUATION REPORT

No. I21Z60861-SEM03

For

TCL Communication Ltd

Tablet PC

9198S

With

Hardware Version: 03

Software Version: 2C61

FCC ID: 2ACCJB155

Issued Date: 2021-8-30

Note:

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REPORT HISTORY

Report Number	Revision	Issue Date	Description
I21Z60861-SEM03	Rev.0	2021-8-30	Initial creation of test report





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1 Test Laboratory

1.1 Testing Location

Company Name:	CTTL(Shouxiang)
Address:	No. 51 Shouxiang Science Building, Xueyuan Road, Haidian District,
	Beijing, P. R. China100191

1.2 Testing Environment

Temperature:	18°C~25°C,
Relative humidity:	30%~ 70%
Air Pressure:	980-1020 hPa

1.3 Project Data

Project Leader:	Qi Dianyuan
Test Engineer:	Lin Xiaojun
Testing Start Date:	July 5, 2021
Testing End Date:	July 22, 2021

1.4 Signature

Lin Xiaojun

(Prepared this test report)

Qi Dianyuan

(Reviewed this test report)

Lu Bingsong

Deputy Director of the laboratory

(Approved this test report)





2 Summary

The maximum results of PD found during testing for TCL Communication Ltd Tablet PC 9198S are as follows:

Standalone transmission			Simultaneous transmission with other transmitters		
RF Transmitter		Measured PD (mW/cm2)	Reported PD (mW/cm2)	Summation of Exposure Ratio	
5G FR2	n260	0.467	0.75	0.80	
3G FRZ	n261	0.406	0.75	0.80	
Result			PASS		

3 Client Information

3.1 Applicant Information

Company Name:	TCL Communication Ltd
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4 Equipment Under Test (EUT) and Ancillary Equipment (AE)

4.1 About EUT

Description:	Tablet PC
Model name:	9198S
Operating mode(s):	GSM850/1900, WCDMA850/900/1900/2100, BT, Wi-Fi (2.4G/5G),
	n2/n5/n66/n77/n260/261
	LTE Band 2/3/4/5/7/12/13/20/28/46/48/66
	824 – 849 MHz (GSM 850)
	1850 – 1910 MHz (GSM 1900)
	824-849 MHz (WCDMA 850 Band V)
	1710 – 1755 MHz (WCDMA 1700 Band IV)
	1850-1910 MHz (WCDMA1900 Band II)
	1850 – 1910 MHz(LTE Band 2)
	1710 – 1755 MHz (LTE Band 4)
	824 – 849 MHz (LTE Band 5)
	2500 – 2570 MHz(LTE Band 7)
	699 – 716 MHz (LTE Band 12)
Tested Tx Frequency:	779.5 –784.5 MHz (LTE Band 13)
	3550 – 3700 MHz (LTE Band 48)
	1710 – 1780 MHz (LTE Band 66)
	2412 – 2462 MHz (Wi-Fi 2.4G)
	5150-5825 MHz (Wi-Fi 5G)
	1850 – 1910 MHz(n2)
	824 – 849 MHz(n5)
	1710 – 1780 MHz (n66)
	3700– 3980 MHz (n77)
	37000– 40000 MHz (n260)
	27500– 28350 MHz (n261)
GPRS/EGPRS Multislot Class:	12
GPRS capability Class:	В
Test device Production information:	Production unit
Device type:	Portable device
Antenna type:	Integrated antenna

4.2 Internal Identification of EUT used during the test

EUT ID* IMEI		HW Versior	SW Version
EUT1	FILIT 358861/400000918		2C61

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

4.3 Internal Identification of AE used during the test

AE ID*	Description	Model	SN	Manufacturer	
AE1	Battery	TLp078B1	CAC7800008C1	BYD	

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





5 Guidance Applied

- [1] ANSI C95.1–1992:IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.
- [2] IEC TR 63170:2018, Measurement Procedure for the Evaluation of Power Density Related to Human Exposure to Radiofrequency Fields from Wireless Communication Devices Operating between 6 GHz and 100 GHz.
- [3] R. W. Gerchberg and W. 0. Saxton. A Practical Algorithm for the Determination of Phase from Image and Diffraction Plane Pictures. Optik 35(2): 237 246, 1972
- [4] FCC KDB 865664 002 v01r04: SAR Measurement Requirements FOR 100 MHz to 6 GHz. Federal Communications Commission Office of Engineering and Technology, Laboratory Division.
- [5] FCC KDB447498 D01: General RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.
- [6] November 2017 Telecommunications Certification Body Council (TCBC) Workshop Notes
- [7] October 2018 Telecommunications Certification Body Council (TCBC) Workshop Notes
- [8] April 2019 Telecommunications Certification Body Council (TCBC) Workshop Notes
- [9] November 2019 Telecommunications Certification Body Council (TCBC) Workshop Notes





6 RF Exposure Limits

6.1 Uncontrolled Environment

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

6.2 Controlled Environment

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

The criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure above 6GHz to radio frequency (RF) radiation as specified in §1.1310.

General Population Basic restriction for power density for frequencies between 1.5GHz and 100 GHz is 1.0 mW/cm2 = 10 W/m2.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
SC SC	(A) Limits for O	ccupational/Controlled Expo	sures	- P2
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/	f 4.89/	f *(900/f2)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
	(B) Limits for Gene	ral Population/Uncontrolled	Exposure	
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/	f 2.19/	f *(180/f2)	30
30-300	27.5	0.073	0.2	30
300-1500		1	f/1500	30
1500-100,000			1.0	30





7 System Verification Source

The System Verification sources at 30 GHz and above comprise horn-antennas and very stable signal generators.

Model	Ka-band horn antenna					
Calibrated frequency:	30 GHz at 10mm from the case surface					
Frequency accuracy	± 100 MHz					
E-field polarization	linear					
Harmonics	-20 dBc					
Total radiated power	14 dBm					
Power stability	0.05 dB					
Power consumption	5 W					
Size	100 x 100 x 100 mm					
Weight	1 kg					





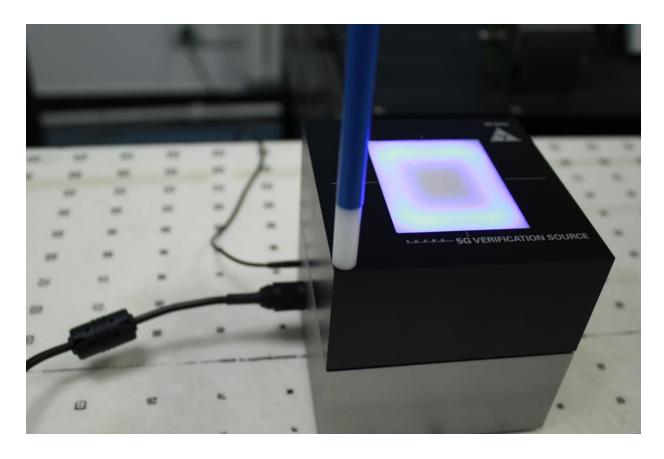
8 Power Density System Verification

The system performance check verifies that the system operates within its specifications.

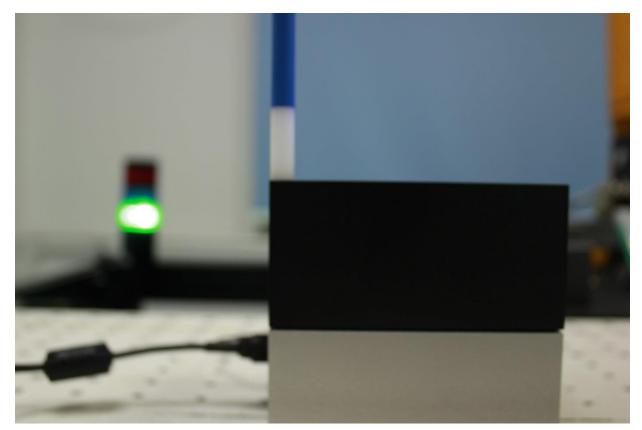
The EUT is replaced by a calibrated source, the same spatial resolution, measurement region and the test separation used in the calibration was applied to system check. Through visual inspection into the measured power density distribution, both spatially (shape) and numerically (level) have no noticeable difference. The measured results should be within 0.66dB of the calibrated targets.

Frequency [GHz]	Grid step	Grid extent X/Y [mm]	Measurement points
10	$0.25 \left(\frac{\lambda}{4}\right)$	120/120	16×16
30	$0.25 (\frac{\hat{\lambda}}{4})$	60/60	24×24
60	$0.25 (\frac{\hat{\lambda}}{4})$	32.5/32.5	26×26
90	$0.25 \left(\frac{\lambda}{4}\right)$	30/30	36×36

Settings for measurement of verification sources







Verification Setup photo

9 System Verification Results

Date	Frequency (GHz)	5G Verification Source	Probe S/N	Distance (mm)	Measured 4cm^2 (W/m^2)	Targeted 4cm^2 (W/m^2)	Deviation (db)
2021/7/5	30G	30GHz_1076	9492	5.5	78.5	75.2	0.44
2021/7/20	30G	30GHz_1076	9492	5.5	77.7	75.2	0.33
2021/7/21	30G	30GHz_1076	9492	5.5	73.9	75.2	0.17





10 Power Density Assessment

10.1 General Description

- 1. The 5G NR mmWave signal under testing was configured by the test tool of Qualcomm Software, and it is only limited to operate at EN-DC for 5G NR implementation according to the character of the device.
- 2. This device would be configured to maximum power when transmitting and tested at 100% duty cycle for each RB configuration, modulation, bandwidth, and channel.
- 3. According to the manufacturer that summation for different antenna modules and exposure planes, the worst case would be selected for power density measurement.
- 4. According to TCBC workshop in October 2018 that 4cm² averaging area may now be considered.

10.2 Computation of the Electric Field Polarization Ellipse

For the numerical description of an arbitrarily oriented ellipse in three-dimensional space, five parameters are needed: the semi-major axis (a), the semi-minor axis (b), two angles describing the orientation of the normal vector of the ellipse (\emptyset, θ) , and one angle describing the tilt of the semi-major axis (ψ) . For the two extreme cases, i.e., circular and linear polarizations, three parameters only (a, \emptyset) and (a, \emptyset) are sufficient for the description of the incident field.

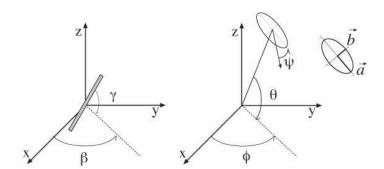


Illustration of the angles used for the numerical description of the sensor and the orientation of an ellipse in 3-D space.

For the reconstruction of the ellipse parameters from measured data, the problem can be reformulated as a nonlinear search problem. The semi-major and semi-minor axes of an elliptical field can be expressed as functions of the three angles (\emptyset , θ and ψ). The parameters can be uniquely determined towards minimizing the error based on least-squares for the given set of angles and the measured data. In this way, the number of free parameters is reduced from five to three, which means that at least three sensor readings are necessary to gain sufficient information for the reconstruction of the ellipse parameters. However, to suppress the noise and increase the reconstruction accuracy, it is desirable that the system of equations be over determined. The solution to use a probe consisting of two sensors angled by r1 and r2 toward the probe axis and to perform measurements at three angular positions of the probe, i.e., at β 1, β 2 and β 3, results in over-determinations by a factor of COPYRIGHT. Page 12 of 52





two. If there is a need for more information or increased accuracy, more rotation angles can be added. The reconstruction of the ellipse parameters can be separated into linear and non-linear parts that are best solved by the Givens algorithm combined with a downhill simplex algorithm. To minimize the mutual coupling, sensor angles are set with a shift of 90 degree (r2 = r1 + 90 degree), and to simplify, the first rotation angle of the probe ($\beta1$) can be set to 0 degree

10.3 Total Field and Power Flux Density Reconstruction

Computation of the power density in general requires knowledge of the electric and magnetic field amplitudes and phases in the plane of incidence. Reconstruction of these quantities from pseudovector E-field measurements is feasible, as they are constrained by Maxwell's equations. SPEAG have developed a reconstruction approach based on the Gerchberg-Saxton algorithm, which benefits from the availability of the E-field polarization ellipse information obtained with the EUmmWV2 probe.

The average of the reconstructed power density is evaluated over a circular area in each measurement plane. Two average power density values can be computed, the average total power density and the average incident power density, and the average total power density is used to determine compliance.

- $|Re\{S\}|$ is the total Poynting vector
- n · $Re\{S\}$ is the normal Poything vector

The software post-processing reports to values, "S avg tot" and "S avg inc". "S avg tot" represents average total power density (all three xyz components included), and "S avg inc" represents average normal power density. The average total power density "S avg tot" is reported to determine the device compliance.

10.4 Test Positions

Dond	Antenna		Measurement Plane							
Band	Module	Front	Rear	Left edge	Right edge	Top edge	Bottom edge			
5G NR Band	0	Yes	No	No	No	No	No			
260	1	No	No	No	No	Yes	No			
5G NR Band	0	Yes	No	No	No	No	No			
261	0	No	No	No	No	Yes	No			

From the Part 0 Report, beam IDs with highest PD and corresponding input.power.limit were selected to be tested for each antenna module and for each frequency band.





10 RF Exposure Evaluation Results

- 1. The PD test was performed of a 2mm separation between sensor and EUT surface (the probe tip is 0.5mm to the EUT surface).
- 2. According to TCBC Workshop in October 2018, 4 cm² averaging area are used.
- 3. This device is enabled with Qualcomm® Smart Transmit feature, smart transmit will manage and ensure LTE and 5G simultaneous transmission is compliant. The validation of the time-averaging algorithm and compliance under the Tx varying transmission scenario for WWAN technologies are reported in Part 2 report.
- 4. The device was configured to transmit CW wave signal for testing, due to Qualcomm® Smart Transmit feature, additional testing was not required for different modulations (CP-OFDM QPSK, CP-OFDM 16QAM, CP-OFDM 64QAM), RB configurations, component carriers, channel configurations (low channel, mid channel, high channel).

Band	Boa	m ID	Ante	nna	Frequency	Channel	Input	Worst	Test	Modulati	Normal	Total	Test
Danu	Deamin		Moudule	Туре	(MHz)	Chamilei	power	Surface	separatio	on	psPD	psPD	number
	20			PATCH	27549.96	Low	4.45	Front	2mm	CW	3.81	4.42	
		148	QTMO		27549.96	Low	3.44	Front	2mm	CW	4.23	4.67	01
n261	20	148			27549.96	Low	0.25	Front	2mm	CW	3.1	3.58	
11201	15				27549.96	Low	2.59	Top	2mm	CW	3.78	4.24	
		153	QTM1	PATCH	27549.96	Low	2.34	Top	2mm	CW	3.9	4.29	
	16	144			27549.96	Low	-1.00	Top	2mm	CW	0.491	0.648	
	24				38499.96	Middle	6.56	Front	2mm	CW	2.83	3.91	
		152	QTMO	PATCH	38499.96	Middle	6.72	Front	2mm	CW	2.86	4.06	02
n 260	24	152			38499.96	Middle	2.93	Front	2mm	CW	2.01	2.64	
n260	25		QTM1	PATCH	38499.96	Middle	3.34	Тор	2mm	CW	3.43	4.04	
		146			38499.96	Middle	3.68	Тор	2mm	CW	2.45	3.04	
	18	146			38499.96	Middle	0.02	Top	2mm	CW	1.35	1.52	





11 5G NR + LTE + WLAN + BT Sim-Tx analysis

In 5G NR + LTE + WLAN + BT simultaneous transmission, 5G NR and LTE transmission are managed and controlled by Qualcomm® Smart Transmit, while the RF exposure from WLAN and BT radios is managed using legacy approach, i.e., through a fixed power back-off if needed.

Since WLAN and BT do not employ time-averaging, 1gSAR and 10gSAR measurement for WLAN and BT need to be conducted at their corresponding rated power following current FCC test procedures to determine reported SAR values.

Smart Transmit current implementation assumes hotspots from 5G NR and LTE are collocated. Therefore, for a total of 100% exposure margin, if LTE uses x%, then the exposure margin left for 5G NR is capped to (100-x)%. Thus, the compliance equation for LTE + 5G NR is

$$x\% * A + (100-x)\% * B \leq 1.0,$$

Where, A is normalized reported time-averaged SAR exposure ratio from LTE, and A \leq 1.0; B is normalized reported time-averaged exposure ratio from 5G NR (i.e., PD exposure for mmW NR or SAR exposure for sub6 NR), and B \leq 1.0.

Let C = normalized reported SAR exposure ratio from WLAN+BT, then for compliance,

$$x\% * A + (100-x)\% * B + C \leq 1.0$$
 (1)

$$x\% * A + (100-x)\% * B \le x\% * max(A, B) + (100-x)\% * max(A, B) \le max(A, B)$$

$$x\% * A + (100-x)\% * B + C \le max(A, B) + C \le 1.0$$
 (2)

if A + C \leq 1.0 and B + C \leq 1.0 can be proven, then "x% * A + (100-x)% * B + C \leq 1.0". Therefore simultaneous transmission analysis for 5G NR + LTE + WLAN + BT can be performed in two steps

Step 1: Prove total exposure ratio (TER) of LTE + WLAN + BT < 1

Step 2: Prove total exposure ratio (TER) of 5G NR + WLAN + BT < 1

Step 1: it's justified in Part 1 SAR report

Step 2: it's justified in section 12.1





During TER analysis, the reported time-averaged PD (assuming input.power.limit for at least one beam < NV setting Pmax) applies only to the worst-surface of the device. For other surfaces, worst-case PD needs to be calculated to assess TER for the corresponding surface. To determine worst-case PD for other surfaces, using simulation results

- 1.Calculate ratio of simulated PD for desired surface to simulated PD of worstsurface for a given beam
- 2. Repeat 1 to obtain ratios for all supported beams, and determine maximum ratio
- 3. Repeat 1~2 to obtain the corresponding worst-case PD for rest of surfaces (non worst-case surfaces) needed for TER analysis.

For example, if the back surface of device has highest PD and is determined as worst-surface, then,

- Back_surface_worst-case_PD = reported time-averaged PD
 where, reported time-averaged PD = PD_design_target + mmW device design related uncertainty
- · For other surfaces
 - $ightharpoonup front_surface_worst-case_PD = PD_ratio_front_to_back * reported timeaveraged PD$ where, PD_ratio_front_to_back = max $\left\{\frac{simulated\ PD_{front(i)}}{simulated\ P_back(i)}, beam\ i = 1,2...N\right\}$, N= total N beams (all beams) supported by the mmW module being evaluated being evaluated.
 - Follow similar approach to determine worst-case PD for bottom/top/left/right (if applicable).
- For body-worn and hotspot scenario, if SAR was measured at 15mm and 10mm, respectively, then the worst-case PD at 15mm and 10mm separation distance should be determined per surface as
 - > 15mm_worst-case_PD = PD_ratio_15mm_to_0mm * reported timeaveraged PD

 Here, PD_ratio_15 mm _to_0mm = max { \frac{\simulated PD \text{ at 15 mm (i)}}{\simulated PD \text{ at 0 mm (i)}}, beam i = 1,2 \ldots N \right\}, , N = total number of beams (all beams) supported by the mmW module being evaluated.
 - \gt 10mm_worst-case_PD = PD_ratio_10mm_to_0mm * reported timeaveraged PD Here, PD_ratio_15 mm _to_0mm = max $\left\{\frac{simulated\ Pd\ at\ 10\ mm\ (i)}{simulated\ PD\ at\ 0\ mm\ (i)}, beam\ i=1,2...N\right\}$, , N = total number of beams (all beams) supported by the mmW module being evaluated.
 - > Note the validated model/simulation should be used in worst-case PD determination.





12 Simultaneous TX analysis

12.1 Simultaneous Transmission Consideration

No.	Simultaneous Transmission Consideration	Support
1	WWAN LTE Bands+5G NR FR2	Yes
2	WWAN LTE Bands+5G NR FR2+WLAN 2.4GHz/5GHz (MIMO)	Yes

Note:

Both the 2.4GHz & 5GHz WLAN cannot transmit simultaneously at the same time according to the user manual.

12.2 Total Exposure Radio Analysis

The fields generated by the antennas can be correlated or uncorrelated. At different frequencies, fields are always uncorrelated, and the aggregate power density contributions can be summed according to spatially averaged values of corresponding sources at any point in space, r, to determine the total exposure ratio (TER). Assuming I sources, the TER at each point in space is equal to

$$TER^{uncorr}(r) = \sum_{i=1}^{I} ER_i = \sum_{i=1}^{I} \frac{S_{av,i}(r, f_i)}{S_{lim}(f_i)}$$

Where $S_{av,i}$ is the power density for the source I operating at a frequency f_i and S_{lim} is the power density limit as specified by the relevant standard.

Exposure from transmitters operating above and below 6GHz, where 6GHz denotes the transmission frequency where the basic restrictions change from being defined in terms of SAR to being defined in terms of power density, therefore uncorrelated and the TER is determined as

$$TER^{uncorr}(r) = \sum_{i=1}^{I} ER_i = \sum_{i=1}^{I} \frac{S_{av,i}(r, f_i)}{S_{lim}(f_i)}$$

According to the FCC guidance in TCBC workshop and IEC TR 63170, the total exposure ratio calculated by taking ratio of maximum reported SAR divided by SAR limit and adding it to maximum measured power density by its limit. Numerical sum of the ratios should be less or equal to 1. Therefore the simultaneous transmission should be follows:

$$\sum \frac{\text{Max. SAR}}{1.6} + \sum \frac{\text{Max. PD}}{\text{Limit of MPE}} \leq 1$$





12.3 Simultaneous transmission analysis for WiFi/BT + 5G NR

	Antenna Module		Evaluation		PD_Design_Target	(PD_Design Target+	
NR Band		Surface	Distance	Ratio*	+ Total uncertainty	Total uncertainty) *	
			(mm)		(W/m^2)	Ratio (W/m^2)	
	0/1	Worst-	2	4	7.5	7.5	
n260/n261		surface	2	ı	7.5		
		Тор	2	0.66	7.5	4.95	

			2	3	4	5		
			2.4GHz	5GHz			Reported SAR/1.6 + PD/10 Summation	
		Evpocuro	WLAN	WLAN	Bluetooth	PD		
n260/n261	261	Exposure Position	MIMO	MIMO				
			1 a CAD	1 a C A D	1 a C A D	4cm^2	2+5	3+4+5
			1g SAR	1g SAR	1g SAR		Summed	Summed
			(W/kg)	(W/kg)	(W/kg)	(W/m^2)	Ratio	Ratio
Antonno		Back	0.37	0.31	<0.01	4.95	0.73	0.69
Antenna Module	0/1	Left side	0.02	0.33	<0.01	4.95	0.51	0.70
iviodule		Top side	0.49	0.46	<0.01	4.95	0.80	0.78





13 Measurement Uncertainty

The budget is valid for evaluation distance $> \lambda/2\pi$. For specific tests and configurations, the uncertainty can be considered smaller.

	Error Description	Unc. Value (±dB)	Prob. Dist.	Div.	(C _i)	Std.Unc.	(V _i) V _{eff}		
Uncerta	inty terms dependent on the mea	` ′				(200)	v en		
CAL	Calibration	0.49	N	1	1	0.49	∞		
FRS	Frequency response	0.20	R	$\sqrt{3}$	1	0.12	∞		
ISO	Isotropy	0.50	R	$\sqrt{3}$	1	0.29	∞		
LIN	Linearity	0.20	R	$\sqrt{3}$	1	0.12	∞		
PPO	Probe positioning offset	0.30	R	$\sqrt{3}$	1	0.17	∞		
PPR	Probe positioning repeatability	0.04	R	$\sqrt{3}$	1	0.02	∞		
APN	Amplitude and phase noise	0.04	R	$\sqrt{3}$	1	0.02	∞		
DAQ	Data acquisition	0.03	N	1	1	0.03	∞		
REC	Field reconstruction	0.60	R	$\sqrt{3}$	1	0.35	∞		
SAV	Spatial averaging	0.10	R	$\sqrt{3}$	1	0.06	8		
SDL	System detection limit	0.04	R	$\sqrt{3}$	1	0.02	∞		
Uncerta	inty terms dependent on the DUT	and environm	nental fa	ctors					
MOD	Modulation response	0.40	R	$\sqrt{3}$	1	0.23	8		
DH	Device holder influence	0.10	R	$\sqrt{3}$	1	0.06	8		
AC	RF ambient conditions	0.04	R	$\sqrt{3}$	1	0.02	8		
AR	Ambient reflections	0.04	R	$\sqrt{3}$	1	0.02	∞		
DRI	Drift of the DUT	0.02	R	$\sqrt{3}$	1	0.01	∞		
	Combined Standard Uncertainty								
	Expanded Standard Un	certainty (95%	(6)			1.52			

14 MAIN TEST INSTRUMENTS

Table 14.1: List of Main Instruments

No.	Name	Туре	Serial Number	Calibration Date	Valid Period
01	EummWV Probe	EummWV4	9492	May 20,2021	One year
02	DAE	SPEAG DAE4	771	February 05,2021	One year
03	5G Verification Source	30 GHz	1076	September 11,2020	One year
04	Thermo meter	608-H1	N/A	June 15,2021	One year

END OF REPORT BODY



MAIA



4.81 68.4

-0.02

ANNEX A Graph Results

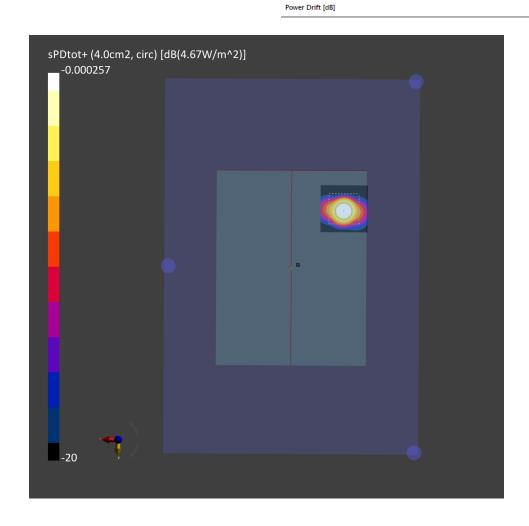
Measurement Report for Device, FRONT, Validation band, CW, Channel 27600 (27600.0 MHz)

Device Under Test	Properties						
Model, Manufacturer		Dime	ensions [mm]		II.	MEI	DUT Type
Device,		260.	0 x 200.0 x 8.0				Phone
Exposure Conditio	ns						
Phantom Section	Position, Test Distan	ce [mm] Band	ı	Group, UID	Frequency [MHz], Chann	nel Number	Conversion Factor
5G	FRONT, 2.00	Valid	lation band	CW, 0	27600.0, 27600		1.0
Hardware Setup							
Phantom	Medium	Probe, Calibration D	ate			DAE, Calibra	ation Date
mmWave - xxxx	Air -	EUmmWV4 - SN949)2_F1-55GHz, 2	021-05-20	DAE4 Sn771, 2021-02-05		
Scans Setup				Measu	rement Results		
Scan Type			5G Scan	Scan T	уре		5G Scan
Grid Extents [mm]	60.0 x 60.0			Date 2021-07-			2021-07-22, 14:56
Grid Steps [lambda]	0.25 x 0.25			Avg. A	rea [cm²]		4.00
Sensor Surface [mm]			2.0	psPDn-	+ [W/m2]		4.23

N/A

psPDtot+ [W/m²] psPDmod+ [W/m²]

E_{max} [V/m]





mmWave - xxxx



Measurement Report for Device, FRONT, Validation band, CW, Channel 38500 (38500.0 MHz)

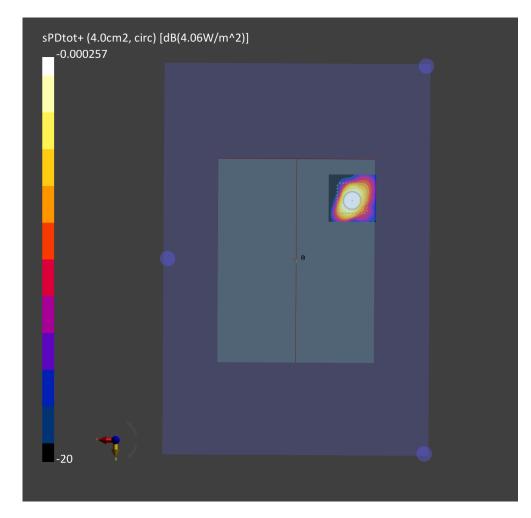
Device Under Tes	st Properties					
Model, Manufacturer			Dimensions [mm]		IMEI	DUT Type
Device,			260.0 x 200.0 x 8.0)		Phone
Exposure Conditi	ions					
Phantom Section	Position, Test Distance	[mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 2.00		Validation band	CW, 0	38500.0, 38500	1.0
Hardware Setup						
Phantom	Medium	Medium Probe, Calibration Date DAE, Calibration Date				

EUmmWV4 - SN9492_F1-55GHz, 2021-05-20

Scans Setup	
Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0
MAIA	N/A

Measurement Results	
Scan Type	5G Scan
Date	2021-07-22, 18:20
Avg. Area [cm2]	4.00
psPDn+ [W/m²]	2.86
psPDtot+ [W/m ²]	4.06
psPDmod+ [W/m ²]	4.41
E _{max} [V/m]	90.2
Power Drift [dB]	-0.01

DAE4 Sn771, 2021-02-05





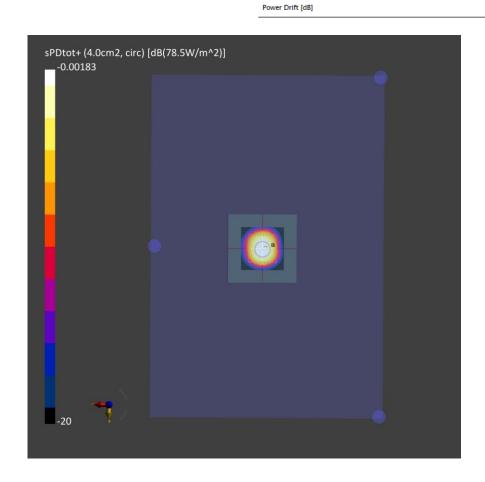


-0.06

ANNEX B System Verification Results

Measurement Report for Device, FRONT, Validation band, CW, Channel 30000 (30000.0 MHz)

Model, Manufacturer		Dimensions [mm]		IMEI	DUT Type
Device,		100.0 x 100.0 x 100.0			Phone
Exposure Condition	ns				
Phantom Section	Position, Test Distar	nce [mm] Band	Group, UID	Frequency [MHz], Channel Numbe	r Conversion Factor
5G	FRONT, 5.55	Validation band	CW, 0	30000.0, 30000	1.0
Hardware Setup					
Phantom	Medium	Probe, Calibration Date		DAE, Ca	alibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9492_F1-55GHz, 20	21-05-20	DAE4 S	n771, 2021-02-05
Scans Setup			Measu	rement Results	
Scan Type		5G Scan	Scan T	ype	5G Scan
Grid Extents [mm]		60.0 x 60.0	Date		2021-07-05, 10:18
Grid Steps [lambda]		0.25 x 0.25	Avg. A	rea [cm²]	4.00
Sensor Surface [mm]		5.55	psPDn	+ [W/m2]	77.2
MAIA		N/A	psPDto	ot+ [W/m ²]	78.5
			psPDm	nod+ [W/m²]	78.7
			E _{max} [V/m]	208

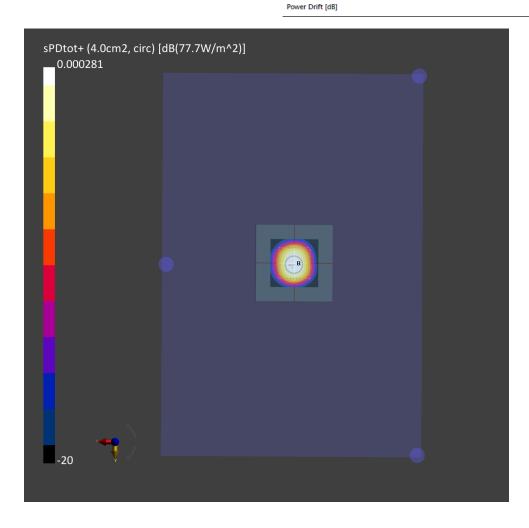






Measurement Report for Device, FRONT, Validation band, CW, Channel 30000 (30000.0 MHz)

Model, Manufacturer		Dimensions [mm]		IMEI	DUT Type
Device,		100.0 x 100.0 x 100.0			Phone
Exposure Conditio	ns				
Phantom Section	Position, Test Distar	nce [mm] Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G	FRONT, 5.55	Validation band	CW, 0	30000.0, 30000	1.0
Hardware Setup					
Phantom	Medium	Probe, Calibration Date		DAE, Cal	ibration Date
mmWave - xxxx	Air -	EUmmWV4 - SN9492_F1-55GHz, 20	21-05-20	DAE4 Sn	771, 2021-02-05
Scans Setup			Measu	rement Results	
Scan Type		5G Scan	Scan T	ype	5G Scan
Grid Extents [mm]		60.0 x 60.0	Date		2021-07-20, 19:51
Grid Steps [lambda]		0.25 x 0.25	Avg. A	rea [cm²]	4.00
Sensor Surface [mm]		5.55	psPDn	+ [W/m²]	76.4
MAIA		N/A	psPDto	ot+ [W/m²]	77.7
			psPDm	nod+ [W/m²]	78.0
			E _{max} [V/m]	204
			Power	Drift [dB]	-0.02





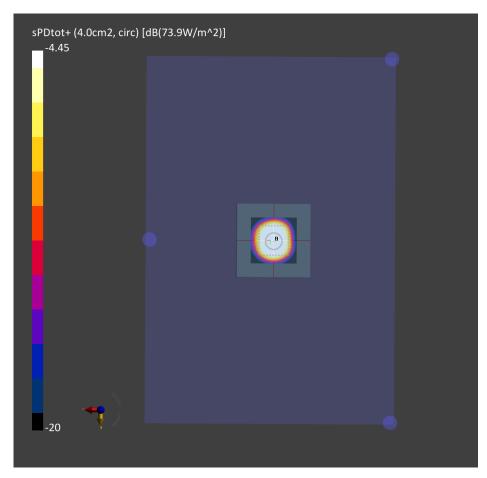


Measurement Report for Device, FRONT, Validation band, CW, Channel 30000 (30000.0 MHz)

Model, Manufacturer		Dimens	ions [mm]		IMEI	DUT Type		
Device,		100.0 x	100.0 x 100.0 x 100.0		100.0 x 100.0 x 100.0			Phone
Exposure Condition	ons							
Phantom Section	Position, Test Distan	ce [mm] Band		Group, UID	Frequency [MHz], Channel Number	Conversion Factor		
5G	FRONT, 5.55	Valid	ation band	CW, 0	30000.0, 30000	1.0		
Hardware Setup								
Phantom	Medium	Probe, Calibration D	ate		DAE, Calibr	ation Date		
mmWave - xxxx	Air -	- EUmmWV4 - SN9492_F1-55GHz, 2021-05-20		DAF4 5-22	1, 2021-02-05			

Scan Type	5G Scan
Grid Extents [mm]	60.0 x 60.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	5.55
MAIA	N/A

Measurement Results	
Scan Type	5G Scan
Date	2021-07-22, 09:27
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	72.6
psPDtot+ [W/m²]	73.9
psPDmod+ [W/m²]	74.1
E _{max} [V/m]	202
Power Drift [dB]	-0.05



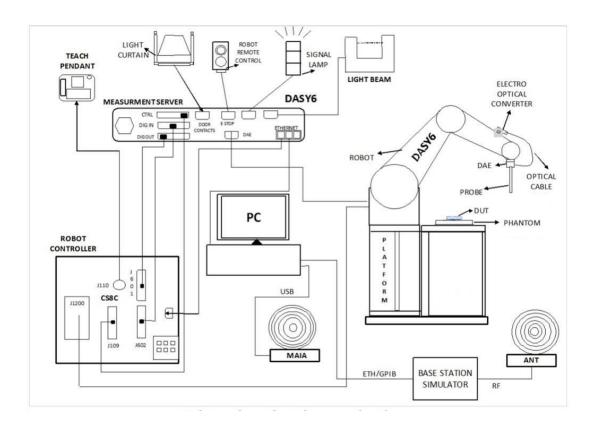




ANNEX C System Description and Setup

The system to be used for the near field power density measurement

- SPEAG DASY6 system
- SPEAG cDASY6 5G module software
- EUmmWVx probe
- 5G Phantom cover







C.1 EUmmWave Probe / E-Field 5G Probe

The probe design allows measurements at distances as small as 2 mm from the sensors to the surface of the device under test (DUT). The typical sensor to probe tip distance is 1.5 mm.

Frequency	750 MHz – 110 GHz
	750 MINZ — 110 GNZ
Probe Overall Length	320 mm
Probe Body Diameter	8.0 mm
Tip Length	23.0 mm
Tip Diameter	8.0 mm
Probe's two dipoles length	0.9 mm – Diode loaded
Dynamic Range	< 20 V/m - 10000 V/m with PRE-10 (min < 50 V/m - 3000 V/m)
Position Precision	< 0.2 mm
Distance between diode	1.5 mm
Minimum Mechanical	0.5 mm
Applications	E-field measurements of 5G devices and other mm-wave transmitters operating above 10GHz in < 2 mm distance from device (free-space) Power density, H-field and far-field analysis using total field reconstruction.
Compatibility	cDASY6 + 5G-Module SW1.0 and higher
	sensor 1,5mm calibrated





C.2 Data Acquisition Electronics(DAE)

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

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

The input impedance of the DAE is 200 MOhm; the inputs are symmetrical and floating. Common mode rejection is above 80 dB.



Picture C.4: DAE

C.3 Scan configuration

Fine-resolution scans on 2 different planes are performed to reconstruct the E- and H-fields as well as the power density; the z-distance between the 2 planes is set to $\lambda/4$.

The (x, y) grid step is also set $\lambda/4$, the grid extent is set to sufficiently large to identify the field pattern and the peak.





ANNEX D Probe Calibration Certificate

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





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

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

CTTL-BJ (Auden)

Certificate No: EUmmWV4-9492_May21

Accreditation No.: SCS 0108

Object	EUmmWV4 - SN:9492
Calibration procedure(s)	QA CAL-02.v9, QA CAL-25.v7, QA CAL-42.v2 Calibration procedure for E-field probes optimized for close near field evaluations in air
Calibration date:	May 20, 2021
This calibration certificate do	ocuments the traceability to national standards, which realize the physical units of measurements (SI). uncertainties with confidence probability are given on the following pages and are part of the certificate.
All calibrations have been o	onducted in the closed laboratory facility: environment temperature (22 \pm 3)°C and humidity < 70%.

In	Cal Date (Certificate No.)	Scheduled Calibration
		Apr-22
		Apr-22
		Apr-22
	09-Apr-21 (No. 217-03343)	Apr-22
	05-Oct-20 (No. ER3-2328_Oct20)	Oct-21
SN: 789	23-Dec-20 (No. DAE4-789_Dec20)	Dec-21
ID	Check Date (in house)	Scheduled Check
	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
SN: MY41498087	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
	06-Apr-16 (in house check Jun-20)	In house check: Jun-22
SN: US3642U01700	04-Aug-99 (in house check Jun-20)	In house check: Jun-22
	31-Mar-14 (in house check Oct-20)	In house check: Oct-21
	ID SN: GB41293874 SN: MY41498087 SN: 000110210	SN: 104778 09-Apr-21 (No. 217-03291/0292) SN: 103244 09-Apr-21 (No. 217-03291) SN: 103245 09-Apr-21 (No. 217-03291) SN: 00245 09-Apr-21 (No. 217-03292) SN: CC2552 (20x) 09-Apr-21 (No. 217-03343) SN: 2328 05-Oct-20 (No. ER3-2328_Oct20) SN: 789 23-Dec-20 (No. DAE4-789_Dec20) ID Check Date (in house) SN: GB41293874 06-Apr-16 (in house check Jun-20) SN: MY41498087 06-Apr-16 (in house check Jun-20) SN: 000110210 06-Apr-16 (in house check Jun-20) SN: US3642U01700 04-Aug-99 (in house check Jun-20)

Name	Function	Signature
Jeton Kastrati	Laboratory Technician	of the
Katja Pokovic	Technical Manager	Alles-
		Issued: May 21, 2021
	Jeton Kastrati	Jeton Kastrati Laboratory Technician

Certificate No: EUmmWV4-9492_May21

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





S Schweizerischer Kalibrierdienst
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

Glossary:

NORMx,y,z

sensitivity in free space diode compression point

CF

crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters

A, B, C, D Polarization φ

φ rotation around probe axis

Polarization 9

9 rotation around an axis that is in the plane normal to probe axis (at measurement center),

i.e., 9 = 0 is normal to probe axis

Connector Angle Sensor Angles information used in DASY system to align probe sensor X to the robot coordinate system sensor deviation from the probe axis, used to calculate the field orientation and polarization

is the wave propagation direction

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

Methods Applied and Interpretation of Parameters:

- NORMx,y,z: Assessed for E-field polarization 9 = 0 for XY sensors and 9 = 90 for Z sensor (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide). For frequencies > 6 GHz, the far field in front of waveguide horn antennas is measured for a set of frequencies in various waveguide bands up to 110 GHz.
- DCPx,y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). 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
- The frequency sensor model parameters are determined prior to calibration based on a frequency sweep (sensor model involving resistors R, R_p, inductance L and capacitors C, C_p).
- 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.
- Sensor Offset: The sensor offset corresponds to the mechanical 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).
- Equivalent Sensor Angle: The two probe sensors are mounted in the same plane at different angles. The
 angles are assessed using the information gained by determining the NORMx (no uncertainty required).
- Spherical isotropy (3D deviation from isotropy): in a locally homogeneous field realized using an open waveguide / horn setup.

Certificate No: EUmmWV4-9492_May21

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DASY - Parameters of Probe: EUmmWV4 - SN:9492

Basic Calibration Parameters

Sasic Cambration i aramete	Sensor X	Sensor Y	Unc (k=2)
No (\(\(\(\(\(\(\(\) \) \) \)	0.02050	0.02323	± 10.1 %
Norm (μV/(V/m)²) DCP (mV) ^B	104.0	104.0	
Equivalent Sensor Angle	-60.7	35.7	

Calibration results for Frequency Response (750 MHz – 110 GHz)

Frequency	Target E-Field V/m	Deviation Sensor X	Deviation Sensor Y dB	Unc (k=2) dB
GHz	77.2	-0.16	-0.07	± 0.43 dB
0.75	140.4	0.06	0.07	± 0.43 dB
1.8		0.06	0.07	± 0.43 dB
2	133.0	0.03	0.06	± 0.43 dB
2.2	124.8	-0.03	0.00	± 0.43 dB
2.5	123.0	0.20	0.24	± 0.43 dB
3.5	256.2	0.19	0.21	± 0.43 dB
3.7	249.8	0.19		
0.0	41.8	0.22	0.19	± 0.98 dB
6.6	48.4	-0.01	-0.22	± 0.98 dB
8		-0.02	0.02	± 0.98 dB
10	54.4 71.5	0.04	-0.26	± 0.98 dB
15	85.3	-0.02	0.18	± 0.98 dB
18	85.3	-0.02	5110	
26.6	96.9	0.12	-0.02	± 0.98 dB
30	92.6	-0.01	0.00	± 0.98 dB
35	93.7	0.07	0.13	± 0.98 dB
40	91.5	-0.07	-0.05	± 0.98 dB
40	91.0	0.07		
50	19.6	0.03	-0.05	± 0.98 dB
55	22.4	0.68	0.41	± 0.98 dB
60	23.0	-0.03	-0.03	± 0.98 dB
65	27.4	-0.40	-0.13	± 0.98 dB
70	23.9	-0.07	-0.18	± 0.98 dB
75	20.0	-0.13	-0.01	± 0.98 dB
10	20.0			
75	14.8	-0.15	-0.13	± 0.98 dB
80	22.5	0.14	0.29	± 0.98 dB
85	22.8	0.15	0.02	± 0.98 dB
90	23.8	0.06	0.06	± 0.98 dB
92	23.9	-0.04	-0.18	± 0.98 dB
95	20.5	-0.27	-0.24	± 0.98 dB
97	24.4	-0.14	-0.15	± 0.98 dB
100	22.6	-0.09	-0.05	± 0.98 dB
105	22.7	0.02	0.12	± 0.98 dB
110	19.7	0.23	0.13	± 0.98 dB

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: EUmmWV4-9492_May21

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^B Numerical linearization parameter: uncertainty not required.

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





DASY - Parameters of Probe: EUmmWV4 - SN:9492

Calibration Results for Modulation Response

UID	Communication System Name		A dB	B dBõV	С	D dB	VR mV	Max dev.	Max Unc ^E (k=2)
	0111	X	0.00	0.00	1.00	0.00	123.3	± 3.5 %	± 4.7 %
0	CW	Y	0.00	0.00	1.00		108.1		
10050	Pulse Waveform (200Hz, 10%)	X	2.23	60.00	13.75	10.00	6.0	± 1.3 %	± 9.6 %
10352-	Pulse waveform (200Hz, 10%)	Y	2.23	60.00	14.64		6.0		
AAA	Pulse Waveform (200Hz, 20%)	X	1.50	60.00	12.67	6.99	12.0	± 1.0 %	± 9.6 %
10353-	Pulse wavelorm (200Hz, 2070)	Y	1.51	60.00	13.60		12.0		
AAA	2 1 M == (200Hz 40%)	X	0.88	60.00	11.52	3.98	23.0	± 1.3 %	± 9.6 %
10354-	Pulse Waveform (200Hz, 40%)	Y	0.89	60.00	12.45		23.0		
AAA	(2001 = 60%)	X	0.54	60.00	10.87	2.22	27.0	± 0.8 %	± 9.6 %
10355-	Pulse Waveform (200Hz, 60%)	Y	0.54	60.00	11.88		27.0		
AAA	ODOK Warreform 1 MHz	X	1.08	60.00	11.77	1.00	22.0	± 1.5 %	± 9.6 %
10387-	QPSK Waveform, 1 MHz	Ŷ	1.13	60.00	12.33		22.0		
AAA	QPSK Waveform, 10 MHz	X	1.28	60.00	11.86	0.00	22.0	± 0.9 %	± 9.6 %
10388-	QPSK Wavelorm, 10 MHz	Y	1.25	60.00	12.25	1	22.0		
AAA	64-QAM Waveform, 100 kHz	X	2.01	60.77	14.03	3.01	17.0	± 0.6 %	± 9.6 %
10396-	64-QAM Wavelofff, 100 KHZ	Y	2.75	63.65	15.33		17.0		
AAA	64-QAM Waveform, 40 MHz	X	2.10	60.00	12.36	0.00	19.0	± 0.7 %	± 9.6 %
10399-	64-QAIN Wavelorii, 40 Wii iz	Y	2.05	60.00	12.67		19.0		
AAA 10414-	WLAN CCDF, 64-QAM, 40MHz	X	3.19	60.00	12.79	0.00	12.0	± 0.9 %	± 9.6 %
AAA	VILAR CODI, 04-QAIVI, TOVII IZ	Y	3.15	60.00	13.06		12.0		

Note: For details on all calibrated UID parameters see Appendix

Calibration Results for Linearity Response

Target E-Field V/m	Deviation Sensor X dB	Deviation Sensor Y dB	Unc (k=2) dB
50.0	-0.12	-0.11	± 0.2 dB
		0.15	± 0.2 dB
		0.04	± 0.2 dB
		0.07	± 0.2 dB
		0.04	± 0.2 dB
			± 0.2 dB
	Target E-Field	Target E-Field V/m Deviation Sensor X dB 50.0 -0.12 100.0 -0.13 500.0 -0.02 1000.0 0.01 1500.0 0.00	Target E-Field V/m Deviation Sensor X dB Deviation Sensor Y dB 50.0 -0.12 -0.11 100.0 -0.13 0.15 500.0 -0.02 0.04 1000.0 0.01 0.07 1500.0 0.00 0.04

Sensor Frequency Model Parameters (750 MHz - 55 GHz)

chool i requestoy i	Sensor X	Sensor Y
R (Ω)	73.94	72.79
$R_{p}(\Omega)$	95.25	96.50
L (nH)	0.11656	0.09919
C (pF)	0.2302	0.2957
C _p (pF)	0.0677	0.0774

Sensor Frequency Model Parameters (55 GHz - 110 GHz)

Sensor X	Sensor Y
34.89	34.38
95.03	95.29
0.03165	0.02922
0.2279	0.2703
0.1315	0.1366
	34.89 95.03 0.03165 0.2279

Certificate No: EUmmWV4-9492_May21





DASY - Parameters of Probe: EUmmWV4 - SN:9492

Sensor Model Parameters

Sensor I	Sensor Model Parameters								T6
	C1	C2	α V ⁻¹	T1 ms.V ⁻²	T2 ms.V ⁻¹	T3 ms	T4 V ⁻²	V-1	10
	IF	000.00	22.70	0.92	4.38	4.97	0.00	1.01	1.01
X	38.9	282.63	33.78				0.00	1.52	1.01
	47.5	348.31	34.40	0.92	5.22	4.99	0.00	1.02	1.01

Other Probe Parameters

Sensor Arrangement	Rectangular
•	29.2
Connector Angle (°) Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	320 mm
Probe Body Diameter	8 mm
Tip Length	23 mm
Tip Diameter	8.0 mm
Probe Tip to Sensor X Calibration Point	1.5 mm
Probe Tip to Sensor Y Calibration Point	1.5 mm

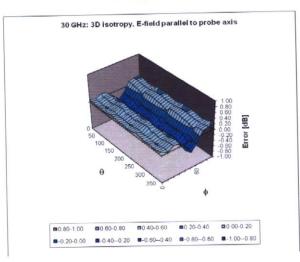
Certificate No: EUmmWV4-9492_May21

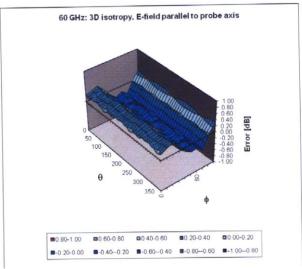
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Deviation from Isotropy in Air f = 30, 60 GHz





Probe isotropy for E_{tot}: probe rotated ϕ = 0° to 360°, tilted from field propagation direction \overline{k} Parallel to the field propagation (ψ =0° - 90°) at 30 GHz: deviation within ± 0.34 dB Parallel to the field propagation (ψ =0° - 90°) at 60 GHz: deviation within ± 0.40 dB

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Appendix: Modulation Calibration Parameters

UID	Rev	Communication System Name	Group	PAR (dB)	Unc ^E (k=2)
)		CW	CW	0.00	± 4.7 %
0010	CAA	SAR Validation (Square, 100ms, 10ms)	Test	10.00	± 9.6 %
0011	CAB	UMTS-FDD (WCDMA)	WCDMA	2.91	± 9.6 %
0012	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps)	WLAN	1.87	± 9.6 %
0013	CAB	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps)	WLAN	9.46	± 9.6 %
0021	DAC	GSM-FDD (TDMA, GMSK)	GSM	9.39	± 9.6 %
0023	DAC	GPRS-FDD (TDMA, GMSK, TN 0)	GSM	9.57	± 9.6 %
0024	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1)	GSM	6.56	± 9.6 %
0025	DAC	EDGE-FDD (TDMA, 8PSK, TN 0)	GSM	12.62	± 9.6 %
0026	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1)	GSM	9.55	± 9.6 %
0027	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2)	GSM	4.80	± 9.6 %
0028	DAC	GPRS-FDD (TDMA, GMSK, TN 0-1-2-3)	GSM	3.55	± 9.6 %
10029	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2)	GSM	7.78	± 9.6 %
0030	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH1)	Bluetooth	5.30	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH3)	Bluetooth	1.87	± 9.6 %
10031	CAA	IEEE 802.15.1 Bluetooth (GFSK, DH5)	Bluetooth	1.16	± 9.6 %
10032	-	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH1)	Bluetooth	7.74	± 9.6 %
10033	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH3)	Bluetooth	4.53	± 9.6 %
10034	CAA	IEEE 802.15.1 Bluetooth (PI/4-DQPSK, DH5)	Bluetooth	3.83	± 9.6 %
10035	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH1)	Bluetooth	8.01	± 9.6 %
10036	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH3)	Bluetooth	4.77	± 9.6 %
0.0000000000000000000000000000000000000	CAA	IEEE 802.15.1 Bluetooth (8-DPSK, DH5)	Bluetooth	4.10	± 9.6 %
10038	CAA	CDMA2000 (1xRTT, RC1)	CDMA2000	4.57	± 9.6 %
10039	CAB	IS-54 / IS-136 FDD (TDMA/FDM, PI/4-DQPSK, Halfrate)	AMPS	7.78	± 9.6 %
10042	CAB	IS-91/EIA/TIA-553 FDD (FDMA, FM)	AMPS	0.00	± 9.6 %
10044	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	13.80	± 9.6 %
10048	CAA	DECT (TDD, TDMA/FDM, GFSK, Full Slot, 24)	DECT	10.79	± 9.6 %
10049	CAA	DECT (TDD, TDMA/FDM, GFSK, Double Slot, 12)	TD-SCDMA	11.01	± 9.6 %
10056	CAA	UMTS-TDD (TD-SCDMA, 1.28 Mcps)	GSM	6.52	± 9.6 %
10058	DAC	EDGE-FDD (TDMA, 8PSK, TN 0-1-2-3)	WLAN	2.12	± 9.6 %
10059	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps)	WLAN	2.83	± 9.6 %
10060	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps)	WLAN	3.60	± 9.6 %
10061	CAB	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps)	WLAN	8.68	± 9.6 %
10062	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps)	WLAN	8.63	± 9.6 %
10063	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps)	WLAN	9.09	± 9.6 °
10064	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps)		9.00	± 9.6 °
10065	CAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps)	WLAN		± 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	
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	THE STATE OF THE S	WLAN	11.00	± 9.6
10081	CAB	CDMA2000 (1xRTT, RC3)	CDMA2000	3.97	± 9.6
10082	CAB	TO THE AGO FOR (TOMA (FOM DIVA DODGY Fullrate)	AMPS	4.77	± 9.6
10090	DAC	THE PARTY OF THE P	GSM	6.56	± 9.6
10097	CAC	THE PART OF THE PA	WCDMA	3.98	± 9.6
10098	DAC		WCDMA	3.98	± 9.6

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10099	040	EDGE-FDD (TDMA, 8PSK, TN 0-4)	GSM	9.55	± 9.6 %
	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-FDD	5.67	± 9.6 %
0100	CAC	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
0101	CAB	LTE-FDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
0102	CAB	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK)	LTE-TDD	9.29	± 9.6 %
0103	DAC	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM)	LTE-TDD	9.97	± 9.6 %
0104	CAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM)	LTE-TDD	10.01	± 9.6 %
0105	CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-FDD	5.80	± 9.6 %
0108	CAE	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
0109	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10110	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-FDD	6.44	± 9.6 %
10111	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.59	± 9.6 %
10112	CAG	LTE-FDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10113	CAG	LTE-FDD (SC-FDMA, 100% RB, 5 MHz, 64-QAW)	WLAN	8.10	± 9.6 %
10114	CAG	IEEE 802.11n (HT Greenfield, 13.5 Mbps, BPSK)	WLAN	8.46	± 9.6 %
10115	CAG	IEEE 802.11n (HT Greenfield, 81 Mbps, 16-QAM)	WLAN	8.15	± 9.6 %
10116	CAG	IEEE 802.11n (HT Greenfield, 135 Mbps, 64-QAM)	WLAN	8.07	± 9.6 %
10117	CAG	IEEE 802.11n (HT Mixed, 13.5 Mbps, BPSK)	WLAN	8.59	± 9.6 %
10118	CAD	IEEE 802.11n (HT Mixed, 81 Mbps, 16-QAM)		8.13	± 9.6 %
10119	CAD	IEEE 802.11n (HT Mixed, 135 Mbps, 64-QAM)	WLAN	6.49	± 9.6 %
10140	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-FDD	6.53	± 9.6 %
10141	CAD	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-FDD		± 9.6 %
10142	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-FDD	5.73	
10143	CAD	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM)	LTE-FDD	6.35	± 9.6 %
10144	CAC	LTE-FDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-FDD	6.65	± 9.6 %
10145	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, QPSK)	LTE-FDD	5.76	± 9.6 %
10146	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.41	± 9.6 %
10147	CAC	LTE-FDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM)	LTE-FDD	6.72	± 9.6 %
10149	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-FDD	6.42	± 9.6 %
10150	CAE	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10151		LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK)	LTE-TDD	9.28	± 9.6 %
10152	CAE	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
10153		LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM)	LTE-TDD	10.05	± 9.6 %
10154	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-FDD	5.75	± 9.6 %
10155	CAF	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
100.000.000	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-FDD	5.79	± 9.6 %
10156	CAF	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-FDD	6.49	± 9.6 %
10157	CAE	LTE-FDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM)	LTE-FDD	6.62	± 9.6 %
10158	CAE	LTE-FDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-FDD	6.56	± 9.6 %
10159	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, QPSK)	LTE-FDD	5.82	± 9.6 %
10160	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-FDD	6.43	± 9.6 %
10161	CAG	LTE-FDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM)	LTE-FDD	6.58	± 9.6 %
10162	CAG		LTE-FDD	5.46	± 9.6 %
10166	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-FDD	6.21	± 9.6 %
10167	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.79	± 9.6 %
10168	CAG	LTE-FDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-FDD	5.73	± 9.6 %
10169	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-FDD	6.52	± 9.6 %
10170	CAG	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)		6.49	± 9.6 %
10171	CAE	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-FDD		
10172	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK)	LTE-TDD	9.21	± 9.6 %
10173	CAE	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6 %
10174	CAF	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6 %
10175	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10176	CAF	LTE-FDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-FDD	6.52	± 9.6 °
10177	CAE	THE FEET (SO FRIME A DR. F. MULT. ORCK)	LTE-FDD	5.73	± 9.6 °
10178	CAE	THE PER CONTRACTOR AND FAMILY AS OAM	LTE-FDD	6.52	± 9.6 °
10179	AAE	THE FEB (SO FRIM 4 DR 40 MHz C4 OAM)	LTE-FDD	6.50	± 9.6 °
10180	CAG	THE SECTION OF THE PROPERTY OF	LTE-FDD	6.50	± 9.6 °

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		ODOL()	LTE-FDD	5.72	± 9.6 %
10181	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, QPSK)	LTE-FDD	6.52	± 9.6 %
0182	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-FDD	6.50	± 9.6 %
0183	CAG	LTE-FDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-FDD	5.73	± 9.6 %
0184	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-FDD	6.51	± 9.6 %
0185	CAI	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-FDD	6.50	± 9.6 %
0186	CAG	LTE-FDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)		5.73	± 9.6 %
0187	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-FDD	6.52	+ 9.6 %
0188	CAG	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-FDD	6.50	± 9.6 %
10189	CAE	LTE-FDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-FDD		± 9.6 %
10193	CAE	IEEE 802.11n (HT Greenfield, 6.5 Mbps, BPSK)	WLAN	8.09	± 9.6 %
10194	AAD	IFFE 802.11n (HT Greenfield, 39 Mbps, 16-QAM)	WLAN	8.12	± 9.6 %
10195	CAE	IEEE 802.11n (HT Greenfield, 65 Mbps, 64-QAM)	WLAN	8.21	± 9.6 %
10196	CAE	IEEE 802.11n (HT Mixed, 6.5 Mbps, BPSK)	WLAN	8.10	
10197	AAE	IEEE 802.11n (HT Mixed, 39 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
10198	CAF	IEEE 802.11n (HT Mixed, 65 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10219	CAF	IEEE 802.11n (HT Mixed, 7.2 Mbps, BPSK)	WLAN	8.03	± 9.6 %
10219		IEEE 802.11n (HT Mixed, 43.3 Mbps, 16-QAM)	WLAN	8.13	± 9.6 %
	AAF	IEEE 802.11n (HT Mixed, 72.2 Mbps, 64-QAM)	WLAN	8.27	± 9.6 %
10221	CAC	IEEE 802.11n (HT Mixed, 15 Mbps, BPSK)	WLAN	8.06	± 9.6 %
10222	CAC	IEEE 802.11n (HT Mixed, 90 Mbps, 16-QAM)	WLAN	8.48	± 9.6 %
10223	CAD	IEEE 802.11n (HT Mixed, 35 Mbps, 64-QAM)	WLAN	8.08	± 9.6 %
10224	CAD	UMTS-FDD (HSPA+)	WCDMA	5.97	± 9.6 %
10225	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.49	± 9.6 %
10226	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM)	LTE-TDD	10.26	± 9.6 %
10227	CAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK)	LTE-TDD	9.22	± 9.6 9
10228	CAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM)	LTE-TDD	9.48	± 9.6
10229	DAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM)	LTE-TDD	10.25	± 9.6
10230	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 04-QAM)	LTE-TDD	9.19	± 9.6 °
10231	CAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK)	LTE-TDD	9.48	± 9.6
10232	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM)	LTE-TDD	10.25	± 9.6
10233	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM)	LTE-TDD	9.21	± 9.6
10234	CAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK)	LTE-TDD	9.48	± 9.6
10235	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM)	LTE-TDD	10.25	± 9.6
10236	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM)	LTE-TDD	9.21	± 9.6
10237	CAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK)	LTE-TDD	9.48	± 9.6
10238	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM)	LTE-TDD	10.25	± 9.6
10239	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM)	LTE-TDD	9.21	± 9.6
10240	CAB	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK)		9.82	± 9.6
10241	CAB	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM)	LTE-TDD	9.86	± 9.6
10242	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM)	LTE-TDD	9.46	± 9.6
10243	CAD	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK)	LTE-TDD		± 9.6
10244	CAD	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-TDD	10.06	
10245	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-TDD	10.06	± 9.6
10246	CAG	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-TDD	9.30	± 9.6
10247	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 16-QAM)	LTE-TDD	9.91	± 9.6
10248	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, 64-QAM)	LTE-TDD	10.09	± 9.6
10249	CAG	LTE-TDD (SC-FDMA, 50% RB, 5 MHz, QPSK)	LTE-TDD	9.29	± 9.6
10250	CAG	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM)	LTE-TDD	9.81	± 9.6
10251	CAF	(SC	LTE-TDD	10.17	± 9.6
10252	CAF	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK)	LTE-TDD	9.24	± 9.6
10253	CAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM)	LTE-TDD	9.90	± 9.6
10254	CAB	THE TEN (OR FRIAN FOR DR 45 MHZ 64 OAM)	LTE-TDD	10.14	± 9.6
10255	CAB	TOP (CO FOMA FOW DD 45 MHz ODSK)	LTE-TDD	9.20	± 9.6
10256	CAB	THE TOTAL ACCOUNTS A A MULTINESS OF THE COMMO	LTE-TDD	9.96	± 9.6
10257	_	1 == === (0.0 =DMA 4000/ DB 4.4 MH= 64.0AM)	LTE-TDD	10.08	± 9.6
10257	CAD	TELEPHONE TOWN ADDRESS OF THE TOWN THE	LTE-TDD	9.34	± 9.6
10259	CAD	100 FDMA 4000/ DD 2 MHz 16 OAM)	LTE-TDD	9.98	± 9.6

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0260	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM)	LTE-TDD	9.97	± 9.6 %
0261	CAG	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QPSK)	LTE-TDD	9.24	± 9.6 %
0262	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM)	LTE-TDD	9.83	± 9.6 %
0263	CAG	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM)	LTE-TDD	10.16	± 9.6 %
0264		LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK)	LTE-TDD	9.23	± 9.6 %
0265	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM)	LTE-TDD	9.92	± 9.6 %
	CAG	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM)	LTE-TDD	10.07	± 9.6 %
0266	CAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK)	LTE-TDD	9.30	± 9.6 %
10267	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM)	LTE-TDD	10.06	± 9.6 %
10268	CAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM)	LTE-TDD	10.13	± 9.6 %
10269	CAB	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-TDD	9.58	± 9.6 %
10270	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.10)	WCDMA	4.87	± 9.6 %
10274	CAB	UMTS-FDD (HSUPA, Subtest 5, 3GPP Rel8.4)	WCDMA	3.96	± 9.6 %
10275	CAD		PHS	11.81	± 9.6 %
10277	CAD	PHS (QPSK) PHS (QPSK, BW 884MHz, Rolloff 0.5)	PHS	11.81	± 9.6 %
10278	CAD		PHS	12.18	± 9.6 %
10279	CAG	PHS (QPSK, BW 884MHz, Rolloff 0.38)	CDMA2000	3.91	± 9.6 %
10290	CAG	CDMA2000, RC1, SO55, Full Rate	CDMA2000	3.46	± 9.6 %
10291	CAG	CDMA2000, RC3, SO55, Full Rate	CDMA2000	3.39	± 9.6 %
10292	CAG	CDMA2000, RC3, SO32, Full Rate	CDMA2000	3.50	± 9.6 %
10293	CAG	CDMA2000, RC3, SO3, Full Rate	CDMA2000	12.49	± 9.6 %
10295	CAG	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	LTE-FDD	5.81	± 9.6 %
10297	CAF	LTE-FDD (SC-FDMA, 50% RB, 20 MHz, QPSK)			± 9.6 %
10298	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, QPSK)	LTE-FDD	5.72	± 9.6 %
10299	CAF	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM)	LTE-FDD	6.39	
10300	CAC	LTE-FDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM)	LTE-FDD	6.60	± 9.6 %
10301	CAC	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC)	WiMAX	12.03	
10302	CAB	IEEE 802.16e WiMAX (29:18, 5ms, 10MHz, QPSK, PUSC, 3CTRL)	WiMAX	12.57	± 9.6 %
10303	CAB	IEEE 802.16e WiMAX (31:15, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	12.52	± 9.6 %
10304	CAA	IEEE 802.16e WIMAX (29:18, 5ms, 10MHz, 64QAM, PUSC)	WiMAX	11.86	± 9.6 %
10305	CAA	IEEE 802.16e WIMAX (31:15, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	15.24	± 9.6 %
10306	CAA	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 64QAM, PUSC)	WiMAX	14.67	± 9.6 %
10307	AAB	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, QPSK, PUSC)	WiMAX	14.49	± 9.6 %
10308	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, 16QAM, PUSC)	WiMAX	14.46	± 9.6 %
10309	AAB	IEEE 802.16e WIMAX (29:18, 10ms, 10MHz, 16QAM,AMC 2x3)	WiMAX	14.58	± 9.6 %
10310	AAB	IEEE 802.16e WiMAX (29:18, 10ms, 10MHz, QPSK, AMC 2x3	WiMAX	14.57	± 9.6 %
10310	-	LTE-FDD (SC-FDMA, 100% RB, 15 MHz, QPSK)	LTE-FDD	6.06	± 9.6 %
10311	AAB	IDEN 1:3	iDEN	10.51	± 9.6 %
10313	AAD	IDEN 1:6	iDEN	13.48	± 9.6 °
	AAD	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 96pc dc)	WLAN	1.71	± 9.6 °
10315	AAD	IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 °
10316	AAD	IEEE 802.11a WiFi 5 GHz (OFDM, 6 Mbps, 96pc dc)	WLAN	8.36	± 9.6 °
10317	AAA	Pulse Waveform (200Hz, 10%)	Generic	10.00	± 9.6 °
10352	AAA	Pulse Waveform (200Hz, 10 %) Pulse Waveform (200Hz, 20%)	Generic	6.99	± 9.6
10353	AAA	Distriction (Account and the Control of Management Control of Cont	Generic	3.98	± 9.6
10354	AAA	Pulse Waveform (200Hz, 40%)	Generic	2.22	± 9.6
10355	AAA	Pulse Waveform (200Hz, 60%)	Generic	0.97	± 9.6
10356	AAA	Pulse Waveform (200Hz, 80%)			± 9.6
10387	AAA	QPSK Waveform, 1 MHz	Generic	5.10	1000
10388	AAA	QPSK Waveform, 10 MHz	Generic	5.22	± 9.6
10396	AAA	64-QAM Waveform, 100 kHz	Generic	6.27	± 9.6
10399	AAA	64-QAM Waveform, 40 MHz	Generic	6.27	± 9.6
10400	AAD	IEEE 802.11ac WiFi (20MHz, 64-QAM, 99pc dc)	WLAN	8.37	± 9.6
10401	AAA	IEEE 802.11ac WiFi (40MHz, 64-QAM, 99pc dc)	WLAN	8.60	± 9.6
10402	AAA	LEET COO ALL MAIT (COMMUTE CA CAMA COme do)	WLAN	8.53	± 9.6
10403	AAB		CDMA2000	3.76	± 9.6
10404	AAB	CDMA2000 (1xEV-DO, Rev. A)	CDMA2000	3.77	± 9.6
10406	AAD	CELLICORO DOS COSO COLIS Full Bata	CDMA2000	5.22	± 9.6

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0410	AAA	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub=2,3,4,7,8,9)	LTE-TDD	7.82	± 9.6 %
0414	AAA	WLAN CCDF, 64-QAM, 40MHz	Generic	8.54	± 9.6 %
0415	AAA	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 99pc dc)	WLAN	1.54	± 9.6 %
0416		IEEE 802.11g WiFi 2.4 GHz (ERP-OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
0417	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 99pc dc)	WLAN	8.23	± 9.6 %
	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Long)	WLAN	8.14	± 9.6 %
0418	AAA	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 99pc, Short)	WLAN	8.19	± 9.6 %
0419	AAA	IEEE 802.11n (HT Greenfield, 7.2 Mbps, BPSK)	WLAN	8.32	± 9.6 %
0422	AAA	IEEE 802.11n (HT Greenfield, 43.3 Mbps, 16-QAM)	WLAN	8.47	± 9.6 %
0423	AAA	IEEE 802.11n (HT Greenfield, 72.2 Mbps, 64-QAM)	WLAN	8.40	± 9.6 %
0424	AAE	IEEE 802.11n (HT Greenfield, 15 Mbps, BPSK)	WLAN	8.41	± 9.6 %
0425	AAE	IEEE 802.11n (HT Greenfield, 90 Mbps, 16-QAM)	WLAN	8.45	± 9.6 %
0426	AAE	IEEE 802.11n (HT Greenfield, 150 Mbps, 64-QAM)	WLAN	8.41	± 9.6 %
10427	AAB	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1)	LTE-FDD	8.28	± 9.6 %
0430	AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.38	± 9.6 %
10431	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10432	AAB	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1)	LTE-FDD	8.34	± 9.6 %
10433	AAC	W-CDMA (BS Test Model 1, 64 DPCH)	WCDMA	8.60	± 9.6 %
10434	AAG	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6 %
10435	AAA	LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QFSK, 0E 300) LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%)	LTE-FDD	7.56	± 9.6 %
10447	AAA	LTE-FDD (OFDMA, 5 MHz, E-TM 3.1, Clipping 44%) LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.53	± 9.6 %
10448	AAA	LTE-FDD (OFDMA, 10 MHz, E-TM 3.1, Clippin 44%)	LTE-FDD	7.51	± 9.6 %
10449	AAC	LTE-FDD (OFDMA, 15 MHz, E-TM 3.1, Cliping 44%)	LTE-FDD	7.48	± 9.6 %
10450	AAA	LTE-FDD (OFDMA, 20 MHz, E-TM 3.1, Clipping 44%)	WCDMA	7.59	± 9.6 %
10451	AAA	W-CDMA (BS Test Model 1, 64 DPCH, Clipping 44%)	Test	10.00	± 9.6 %
10453	AAC	Validation (Square, 10ms, 1ms)	WLAN	8.63	± 9.6 %
10456	AAC	IEEE 802.11ac WiFi (160MHz, 64-QAM, 99pc dc)	WCDMA	6.62	± 9.6 %
10457	AAC	UMTS-FDD (DC-HSDPA)	CDMA2000	6.55	± 9.6 %
10458	AAC	CDMA2000 (1xEV-DO, Rev. B, 2 carriers)	CDMA2000	8.25	± 9.6 9
10459	AAC	CDMA2000 (1xEV-DO, Rev. B, 3 carriers)	WCDMA	2.39	± 9.6 %
10460	AAC	UMTS-FDD (WCDMA, AMR)		7.82	± 9.6 °
10461	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	8.30	± 9.6 °
10462	AAC	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.56	± 9.6 9
10463	AAD	LTE-TDD (SC-FDMA, 1 RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD		± 9.6 %
10464	AAD	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.82	111111111111111111111111111111111111111
10465	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 °
10466	AAC	LTE-TDD (SC-FDMA, 1 RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6 °
10467	AAA	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6
10468	AAF	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6 °
10469	AAD	LTE-TDD (SC-FDMA, 1 RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	8.56	± 9.6
10470	AAD	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6
10471	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6
10472	AAC	LTE-TDD (SC-FDMA, 1 RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6
10473	AAA	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.82	± 9.6
10474	AAC	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6
10475	AAD	LTE-TDD (SC-FDMA, 1 RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6
10477	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.32	± 9.6
10478	AAC	LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.57	± 9.6
10479	AAC	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6
10480	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.18	± 9.6
10481	AAA	LTE-TDD (SC-FDMA, 50% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6
10482	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, QPSK, UL Sub)	LTE-TDD	7.71	± 9.6
10483	AAA	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 16-QAM, Sub)	LTE-TDD	8.39	± 9.6
10484	AAB	LTE-TDD (SC-FDMA, 50% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	8.47	± 9.6
10485	AAB	THE TOP (OR FORM SON DE SALLE OPEN III Sub)	LTE-TDD	7.59	± 9.6
10486	AAB	THE TOP (OR FORM SON DO FAMILY AS DAM III Sub)	LTE-TDD	8.38	± 9.6
10487	AAC	LIFE TOD (CO. FOMA FOR DR. F. MUT 64 OAM LII Sub)	LTE-TDD	8.60	± 9.6

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0400		LTE-TDD (SC-FDMA, 50% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	7.70	± 9.6 %
0488	7010	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.31	± 9.6 %
0489	AAC	LTE-TDD (SC-FDMA, 50% RB, 10 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
0490	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
0491	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.41	± 9.6 %
0492	AAF	LTE-TDD (SC-FDMA, 50% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
0493	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
0494	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.37	± 9.6 %
0495	AAF	LTE-TDD (SC-FDMA, 50% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
0496	AAE	LTE-TDD (SC-FDMA, 30% RB, 20 MHZ, GF G MH, SE SES)	LTE-TDD	7.67	± 9.6 %
0497	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 16-QAM, UL Sub)	LTE-TDD	8.40	± 9.6 %
0498	AAE	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 64-QAM, UL Sub)	LTE-TDD	8.68	± 9.6 %
0499	AAC	LTE-TDD (SC-FDMA, 100% RB, 1.4 MHz, 04-QAM, 02 666)	LTE-TDD	7.67	± 9.6 %
0500	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, QF3K, 02 300) LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 16-QAM, UL Sub)	LTE-TDD	8.44	± 9.6 %
0501	AAF	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 10-QAM, UL Sub)	LTE-TDD	8.52	± 9.6 %
0502	AAB	LTE-TDD (SC-FDMA, 100% RB, 3 MHz, 64-QAM, UL Sub)	LTE-TDD	7.72	± 9.6 %
0503	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, QPSK, UL Sub)	LTE-TDD	8.31	± 9.6 %
0504	AAB	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 16-QAM, UL Sub)	LTE-TDD	8.54	± 9.6 %
0505	AAC	LTE-TDD (SC-FDMA, 100% RB, 5 MHz, 64-QAM, UL Sub)	LTE-TDD	7.74	± 9.6 %
0506	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, QPSK, UL Sub)	LTE-TDD	8.36	± 9.6 %
10507	AAC	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 16-QAM, UL Sub)	LTE-TDD	8.55	± 9.6 %
10508	AAF	LTE-TDD (SC-FDMA, 100% RB, 10 MHz, 64-QAM, UL Sub)		7.99	± 9.6 %
10509	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, QPSK, UL Sub)	LTE-TDD		± 9.6 %
10510	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 16-QAM, UL Sub)	LTE-TDD	8.49	
10511	AAF	LTE-TDD (SC-FDMA, 100% RB, 15 MHz, 64-QAM, UL Sub)	LTE-TDD	8.51	± 9.6 %
10512	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, QPSK, UL Sub)	LTE-TDD	7.74	± 9.6 %
10513	AAF	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 16-QAM, UL Sub)	LTE-TDD	8.42	± 9.6 %
10514	AAE	LTE-TDD (SC-FDMA, 100% RB, 20 MHz, 64-QAM, UL Sub)	LTE-TDD	8.45	± 9.6 °
10515	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 99pc dc)	WLAN	1.58	± 9.6 %
10516	AAE	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 99pc dc)	WLAN	1.57	± 9.6 9
10517	AAF	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 99pc dc)	WLAN	1.58	± 9.6 °
10518	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 99pc dc)	WLAN	8.23	± 9.6 °
10519	AAF	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 99pc dc)	WLAN	8.39	± 9.6 °
10520	-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 99pc dc)	WLAN	8.12	± 9.6
10520	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 99pc dc)	WLAN	7.97	± 9.6
10521	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 99pc dc)	WLAN	8.45	± 9.6
	AAB	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 99pc dc)	WLAN	8.08	± 9.6
10523	AAC	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 99pc dc)	WLAN	8.27	± 9.6
10524	AAC	IEEE 802.11ac WiFi (20MHz, MCS0, 99pc dc)	WLAN	8.36	± 9.6
10525	AAC	IEEE 802.11ac WiFi (20MHz, MCS1, 99pc dc)	WLAN	8.42	± 9.6
10526	AAF	IEEE 802.11ac WiFi (20MHz, MCS2, 99pc dc)	WLAN	8.21	± 9.6
10527	AAF	IEEE 802.11ac WiFi (20MHz, MCS3, 99pc dc)	WLAN	8.36	± 9.6
10528	AAF	IEEE 802.11ac WiFi (20MHz, MCS4, 99pc dc)	WLAN	8.36	± 9.6
10529	AAF	IEEE 802.11ac WiFi (20MHz, MCS6, 99pc dc)	WLAN	8.43	± 9.6
10531	AAF	IEEE 802.11ac WiFi (20MHz, MCS7, 99pc dc)	WLAN	8.29	± 9.6
10532	AAF	IEEE 802.11ac WiFi (20MHz, MCS8, 99pc dc)	WLAN	8.38	± 9.6
10533	AAE	IEEE 802.11ac WiFi (40MHz, MCS0, 99pc dc)	WLAN	8.45	± 9.6
10534	AAE	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.45	± 9.6
10535	AAE	IEEE 802.11ac WiFi (40MHz, MCS1, 99pc dc)	WLAN	8.32	± 9.6
10536	AAF	IEEE 802.118C WIFT (40MHz, MCS2, 98pc do)	WLAN	8.44	± 9.6
10537	AAF	IEEE 802.11ac WiFi (40MHz, MCS3, 99pc dc)	WLAN	8.54	± 9.6
10538	AAF	IEEE 802.11ac WiFi (40MHz, MCS4, 99pc dc)	WLAN	8.39	± 9.6
10540	AAA	IEEE 802.11ac WiFi (40MHz, MCS6, 99pc dc)	WLAN	8.46	± 9.6
10541	AAA	IEEE 802.11ac WiFi (40MHz, MCS7, 99pc dc)	WLAN	8.65	± 9.6
10542	AAA	IEEE 802.11ac WiFi (40MHz, MCS8, 99pc dc)	WLAN	8.65	± 9.6
10543	AAC	IEEE 802.11ac WiFi (40MHz, MCS9, 99pc dc)		8.47	± 9.6
10544	AAC	IEEE 802.11ac WiFi (80MHz, MCS0, 99pc dc)	WLAN	0.47	I 5.0

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0546	AAC	IEEE 802.11ac WiFi (80MHz, MCS2, 99pc dc)	WLAN	8.35	± 9.6 %
0547	AAC	IEEE 802.11ac WiFi (80MHz, MCS3, 99pc dc)	WLAN	8.49	± 9.6 %
0548	AAC	IEEE 802.11ac WiFi (80MHz, MCS4, 99pc dc)	WLAN	8.37	± 9.6 %
0550	70.0	IEEE 802.11ac WiFi (80MHz, MCS6, 99pc dc)	WLAN	8.38	± 9.6 %
0550	7010	IEEE 802.11ac WiFi (80MHz, MCS7, 99pc dc)	WLAN	8.50	± 9.6 %
0552	AAC	IEEE 802.11ac WiFi (80MHz, MCS8, 99pc dc)	WLAN	8.42	± 9.6 %
	AAC	IEEE 802.11ac WiFi (80MHz, MCS9, 99pc dc)	WLAN	8.45	± 9.6 %
0553	AAC	IEEE 802.11ac WiFi (160MHz, MCS0, 99pc dc)	WLAN	8.48	± 9.6 %
	AAC	IEEE 802.11ac WiFi (160MHz, MCS1, 99pc dc)	WLAN	8.47	± 9.6 %
10555	AAC	IEEE 802.11ac WiFi (160MHz, MCS2, 99pc dc)	WLAN	8.50	± 9.6 %
10556	AAC	IEEE 802.11ac WiFi (160MHz, MCS3, 99pc dc)	WLAN	8.52	± 9.6 %
10557	AAC	IEEE 802.11ac WiFi (160MHz, MCS4, 99pc dc)	WLAN	8.61	± 9.6 %
10558	AAC	IEEE 802.11ac WiFi (160MHz, MCS6, 99pc dc)	WLAN	8.73	± 9.6 %
10560	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 99pc dc)	WLAN	8.56	± 9.6 %
10561	AAC	IEEE 802.11ac WiFi (160MHz, MCS7, 359c dc)	WLAN	8.69	± 9.6 %
10562	AAC	IEEE 802.11ac WiFi (160MHz, MCS8, 99pc dc)	WLAN	8.77	± 9.6 %
10563	AAC	IEEE 802.11ac WiFi (160MHz, MCS9, 39pc dc)	WLAN	8.25	± 9.6 %
10564	AAC	IEEE 802.11g WIFI 2.4 GHz (DSSS-OFDM, 9 Mbps, 99pc dc)	WLAN	8.45	± 9.6 %
10565	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 99pc dc)	WLAN	8.13	± 9.6 %
10566	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 99pc dc)	WLAN	8.00	± 9.6 %
10567	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 99pc dc)	WLAN	8.37	± 9.6 %
10568	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 99pc dc)	WLAN	8.10	± 9.6 %
10569	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 99pc dc)	WLAN	8.30	± 9.6 %
10570	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 99pc dc)		1.99	± 9.6 %
10571	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps, 90pc dc)	WLAN		± 9.6 %
10572	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 2 Mbps, 90pc dc)	WLAN	1.99	± 9.6 %
10573	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 5.5 Mbps, 90pc dc)	WLAN	1.98	± 9.6 %
10574	AAC	IEEE 802.11b WiFi 2.4 GHz (DSSS, 11 Mbps, 90pc dc)	WLAN	1.98	
10575	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10576	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10577	AAC	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10578	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10579	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10580	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
10581	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10582	AAD	IEEE 802.11g WiFi 2.4 GHz (DSSS-OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10583	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps, 90pc dc)	WLAN	8.59	± 9.6 %
10584	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 9 Mbps, 90pc dc)	WLAN	8.60	± 9.6 %
10585	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 12 Mbps, 90pc dc)	WLAN	8.70	± 9.6 %
10586	AAD	IEEE 802.11a/h WiFi 5 GHz (OFDM, 18 Mbps, 90pc dc)	WLAN	8.49	± 9.6 %
10587	-	IEEE 802.11a/h WiFi 5 GHz (OFDM, 24 Mbps, 90pc dc)	WLAN	8.36	± 9.6 %
10588	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 36 Mbps, 90pc dc)	WLAN	8.76	± 9.6 %
	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 48 Mbps, 90pc dc)	WLAN	8.35	± 9.6 %
10589	AAA	IEEE 802.11a/h WiFi 5 GHz (OFDM, 54 Mbps, 90pc dc)	WLAN	8.67	± 9.6 %
10590	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS0, 90pc dc)	WLAN	8.63	± 9.6 %
10591	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS1, 90pc dc)	WLAN	8.79	± 9.6 %
10592	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.64	± 9.6 %
10593	AAA	IEEE 802.11ft (HT Mixed, 20MHz, MCS2, 90pc dc)	WLAN	8.74	± 9.6 %
10594	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS3, 90pc dc)	WLAN	8.74	± 9.6 %
10595	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS4, 90pc dc)	WLAN	8.71	± 9.6 °
10596	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS5, 90pc dc)	WLAN	8.72	± 9.6 °
10597	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS6, 90pc dc)	WLAN	8.50	± 9.6
10598	AAA	IEEE 802.11n (HT Mixed, 20MHz, MCS7, 90pc dc)	WLAN	8.79	± 9.6 °
10599	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS0, 90pc dc)	WLAN	8.88	± 9.6
10600	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS1, 90pc dc)	WLAN	8.82	± 9.6
10601	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS2, 90pc dc)	V-10-00-00-00-00-00-00-00-00-00-00-00-00-	8.82	± 9.6
10602	AAA	IEEE 802.11n (HT Mixed, 40MHz, MCS3, 90pc dc)	WLAN	0.94	1 5.0

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