

# Hearing Aid Compatibility (HAC) <u>TEST REPORT</u> <For RF-Emission Measurement>

Applicant Name Razer Inc. Address of Applicant 201 3rd Street, Suite 900, San Francisco, CA 94103, USA EUT Name Smart Phone Brand Name RAZER Marketing Name RAZER PHONE Model No. RZ35-0215 FCC ID RWO-RZ350215 Date of receive Aug. 28, 2017 Date of Test(s) Sep. 15, 2017~ Sep. 29, 2017 Date of Issue Oct. 27, 2017

Standards:

### ANSI C63.19-2011

#### FCC RULE PART(S): 47 CFR PART 20.19(B)

#### HAC CATEGORY: M4 (M Category)

In the configuration tested, the EUT complied with the standards specified above. **Remarks:** 

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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#### Signed on behalf of SGS

Sr. Engineer

Matt Kuo

Mate Kno

Date: Oct. 27, 2017

台灣檢驗科技股份有限公司

**Supervisor** 

John Teh

John Yeh Date: Oct. 27, 2017

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## **Revision History**

Report Number	Revision	Description	Issue Date
E5/2017/10025	Rev.00	Initial creation of document	Oct. 05, 2017
E5/2017/10025	Rev.01	1 <sup>st</sup> modify comment	Oct. 27, 2017

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## 1. Introduction

The purpose of the Hearing Aid Compatibility is to enable measurements of the near electric fields generated by wireless communication devices in the region controlled for use by a hearing aid in accordance with ANSI-C63.19-2011

The purpose of this standard is to establish categories for hearing aids and for WD (wireless communications devices) that can indicate to health care practitioners and hearing aid users which hearing aids are compatible with which WD, and to provide tests that can be used to assess the electromagnetic characteristics of hearing aids and WD and assign them to these categories. The various parameters required, in order to demonstrate compatibility and accessibility are measured. The design of the standard is such that when a hearing aid and WD achieve one of the categories specified, as measured by the methodology of this standard, the indicated performance is realized.

In order to provide for the usability of a hearing aid with a WD, several factors must be coordinated:

a) Radio frequency (RF) measurements of the near-field electric fields emitted by a WD to categorize these emissions for correlation with the RF immunity of a hearing aid.

Hence, the following are measurements made for the WD: RF E-Field emissions

The measurement plane is parallel to, and 1.5cm in front of, the reference plane.

Applications for certification of equipment operation under part 20, that a manufacturer is seeking to certify as hearing aid compatible, as set forth in §20.19 of that part, shall include a statement indication compliance with the test requirements of §20.19 and indicating the appropriate U-rating for the equipment. The manufacturer of the equipment shall be responsible for maintaining the test results.

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## 2. Testing Laboratory

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### 3. Details of Applicant

Applicant Name	Razer Inc.
Applicant Address	201 3rd Street, Suite 900, San Francisco, CA 94103, USA

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## 4. Description of EUT

EUT Name	Smart Phone					
Marketing Name	RAZER PHONE					
Brand Name	RAZER					
Model No.	RZ35-0215					
FCC ID	RWO-RZ350215					
Mode of Operation	GSM GPRS EDGE WCDMA HSDPA HSUPA LTE FDD LTE TDD					
	Bluetooth WLAN802.11 a/b/g	g/n/ac(20M/40M/80M)				
	GSM (DTM multi class B)	1/8.3				
	GPRS (support multi class 12 max)	1/2 (1Dn4UP) 1/2.76 (1Dn3UP) 1/4.1 (1Dn2UP) 1/8.3 (1Dn1UP)				
Duty Cycle	EDGE (support multi class 12 max)	1/2 (1Dn4UP) 1/2.76 (1Dn3UP) 1/4.1 (1Dn2UP) 1/8.3 (1Dn1UP)				
	LTE FDD	1				
	LTE TDD	0.633				
	WCDMA	1				
	WLAN802.11a/b/g/n(20M/40M)/ ac(20M/40M/80M)	1				
	Bluetooth	1				
	GSM850	824 — 849				
TX Frequency Range	GSM1900	1850 — 1910				
(MHz)	WCDMA Band II	1850 — 1910				
	WCDMA Band IV	1710 — 1755				

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	WCDMA Band V	824	_	849
	LTE FDD Band 2	1850	—	1910
	LTE FDD Band 4	1710	—	1755
	LTE FDD Band 5	824	—	849
	LTE FDD Band 7	2500	—	2570
	LTE FDD Band 12	699	_	716
	LTE FDD Band 17	704	_	716
	LTE FDD Band 25	1850	_	1915
	LTE FDD Band 26	814	_	849
	LTE FDD Band 30	2305	_	2315
	LTE TDD Band 38	2570		2620
	LTE TDD Band 41	2496	_	2690
TX Frequency Range	LTE FDD Band 66	1710	—	1780
(MHz)	WLAN802.11 b/g/n(20M)	2412	_	2462
	WLAN802.11 n(40M)	2422	_	2462
	WLAN802.11 a/n(20M)/ac(20M) 5.2G	5180	_	5240
	WLAN802.11 n(40M)/ac(40M) 5.2G	5190	—	5230
	WLAN802.11 ac(80M) 5.2G	5210		
	WLAN802.11 a/n(20M)/ac(20M) 5.3G	5260	_	5320
	WLAN802.11 n(40M)/ac(40M) 5.3G	5270	—	5310
	WLAN802.11 ac(80M) 5.3G	5290		
	WLAN802.11 a/n/ac(20M) 5.6G	5500	_	5720
	WLAN802.11 n/ac(40M) 5.6G	5510	_	5710
	WLAN802.11 ac(80M) 5.6G	5530	_	5690
	WLAN802.11 a/n(20M)/ac(20M) 5.8G	5745	—	5825

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	WLAN802.11 n(40M)/ac(40M) 5.8G	5710	_	5795
(IVI⊓Z)	WLAN802.11 ac(80M) 5.8G	5775		
	Bluetooth	2402	_	2480
	GSM850	128	_	251
	GSM1900	512	_	810
	WCDMA Band II	9262	_	9538
	WCDMA Band IV	1312	_	1513
	WCDMA Band V	4132	—	4233
	LTE FDD Band 2	18607	—	19193
	LTE FDD Band 4	19957	—	20393
	LTE FDD Band 5	20407	—	20643
	LTE FDD Band 7	20775	—	21425
	LTE FDD Band 12	23017	—	23173
	LTE FDD Band 17	23755	—	23825
Channel Number	LTE FDD Band 25	26047	_	26683
(ARFCN)	LTE FDD Band 26	26697	_	27033
	LTE FDD Band 30	27685	—	27735
	LTE TDD Band 38	37775	—	38225
	LTE TDD Band 41	39675	—	41565
	LTE FDD Band 66	131979	—	132665
	WLAN802.11 b/g/n(20M)	1	—	13
	WLAN802.11 n(40M)	3	—	11
	WLAN802.11 a/n(20M)/ac(20M) 5.2G	36		48
	WLAN802.11 n(40M)/ac(40M) 5.2G	38	_	46
	WLAN802.11 ac(80M) 5.2G	42		
	WLAN802.11 a/n(20M)/ac(20M) 5.3G	52	_	64

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	WLAN802.11 n(40M)/ac(40M) 5.3G	54	_	62
	WLAN802.11 ac(80M) 5.3G	58		
	WLAN802.11 a/n/ac(20M) 5.6G	100	—	144
	WLAN802.11 n/ac(40M) 5.6G	102	—	142
Channel Number	WLAN802.11 ac(80M) 5.6G	106	—	138
(ARFCN)	WLAN802.11 a/n(20M)/ac(20M) 5.8G	149	_	165
	WLAN802.11 n(40M)/ac(40M) 5.8G	142	—	159
	WLAN802.11 ac(80M) 5.8G	155		
	Bluetooth	0	_	78

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## 5. Air Interfaces and Bands

Air- Interface	Band (MHZ)	Type Transport	C63.19 tested		Simultaneous Transmitter but not tested	Voice Over Digital Transport OTT capability	Power Reduction		
GSM	850	VO	Yes	Vo	s, WiFi or Bluetooth	No	No		
COM	1900	vO	163	10		No	No		
	П					No	No		
WCDMA	IV	VO	Yes (Note 1.)	Ye	s, WiFi or Bluetooth	No	No		
	V					No	No		
	2					Yes	No		
	4					Yes	No		
	5					Yes	No		
	7			Yes (Note 1.)			Yes	No	
	12				Yes (Note 1.) Yes,		Yes	No	
LTE FDD	17	VU	VD			re	s, WiFi or Bluetooth	Yes	No
	25							Yes	No
	26						Yes	No	
	30					Yes	No		
	66					Yes	No		
	38	VD	Vee	Va		Yes	No		
LTE TDD	41		Yes	re	s, WiFi or Bluetooth	Yes	No		
WiFi	2450	DT	No	Y	es, WWAN or BT	Yes	No		
WiFi	5000	DT	No Yes, WWAN or BT		Yes	No			
Bluetooth	2450	DT	No Yes, WWAN or WiFi		No	No			
VO= CMRS Voi	VO= CMRS Voice Service				Note				
DT= Digital Trar	nsport				1.It applies the low power exemption based on				
VD=CMRS IP V	oice Servic	e and Digita	al Transport		ANSI C63.19-2011				

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### 6. Test Environment

Ambient Temperature	21.7° C
Relative Humidity	<80 %

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### 7. Description of test system

### 7.1 Measurement system Diagram for SPEAG Robotic

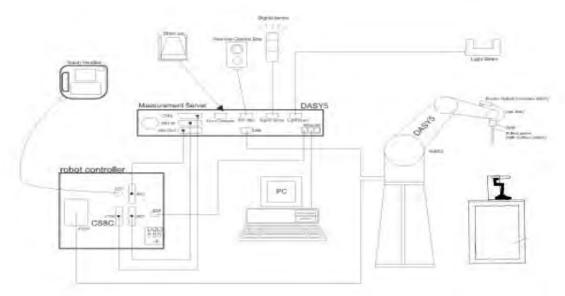


Fig.1 The SPEAG Robotic Diagram

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

- A standard high precision 6-axis robot (Staubli RX family) with controller, teach pendant and software. An arm extension is for accommodating the data acquisition electronics (DAE).
- E Field probe.
- A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.
- The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to the DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.

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- A computer operating Windows 7.
- DASY5 software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The Test Arch phantom.
- The device holder for handheld mobile phones.
- Validation dipole kits allowing to validate the proper functioning of the system.

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### 7.2 E Field Probe

Construction	One dipole parallel, two dipoles normal to probe axis Built-in shielding against static charges PEEK enclosure material	ITE			
Calibration	In air from 100 MHz to 3.0 GHz (absolute accuracy ±6.0%, k=2)				
Frequency	(extended to 20 MHz for MRI), Linearity: ± 0.2 dB (100 MHz to 3 GHz)	ER3DV6 E-Field Probe			
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	Tip diameter: 8 mm Distance from probe tip to dipole centers: 2.5 mm				

### 7.3 Test Arch

Description	Enables easy and well defined	
	positioning of the phone and	
	validation dipoles as well as simple	
	teaching of the robot.	
Dimensions	length: 370 mm	
	width: 370 mm	
	height: 370 mm	Test Arch

### 7.4 Phone Holder

Supports accurate and reliable positioning of any phone Effect on near field <+/- 0.5 dB	
	Phone Holder

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### 8. Test Procedure

	Test Instructions
*	Confirm proper operation of probes and instrumentation
-	Position WD
-	Configure WD TX operation
P	er 5.4.1.2 (1-3)
	+
۲	Initialize field probe-
2	Scau Area
P	er 5.4.1.2 (4-6)
-	
_	*
-	Identify exclusion area.
	Resean or reunalyze open area
	to determine maximum
2	Direct method: Record RF
	Audio Interference Level, in dB(V/m)
ř.	Indirect method: Add the MIF
	to the maximum steady state
	rms field strength and record
	RF Audio Interference Level. in dB(V/m)
P	er 5,4,1,2 (7-9) & 5,4,1,3
	1
-	*
1	Identify and record the category
1.0	er 5.4.1.2 (9-10)

Fig.2 RF emission flow chart

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The following illustrate a typical RF emissions test scan over a wireless communications device (Indirect method):

- 1. Proper operation of the field probe, probe measurement system, other instrumentation, and the positioning system was confirmed.
- 2. WD is positioned in its intended test position, acoustic output point of the device perpendicular to the field probe.
- 3. The WD operation for maximum rated RF output power was configured and confirmed with the base station simulator, at the test channel and other normal operating parameters as intended for the test. The battery was ensured to be fully charged before each test.
- 4. The center sub-grid was centered over the center of the acoustic output (also audio band magnetic output, if applicable). The WD audio output was positioned tangent (as physically possible) to the measurement plane.
- 5. A surface calibration was performed before each setup change to ensure repeatable spacing and proper maintenance of the measurement plane using the HAC Phantom.
- 6. The measurement system measured the field strength at the reference location.
- 7. Measurements at 5mm increments in the  $5 \times 5$  cm region were performed and recorded. A 360° rotation about the azimuth axis at the maximum interpolated position was measured. For the worst-case condition, the peak reading from this rotation was used in re-evaluating the HAC category.
- 8. The system performed a drift evaluation by measuring the field at the reference location.

#### Note.

Per KDB 285076 D01 v04r01 2.d) 1), handsets that that have the ability to support concurrent connections using simultaneous transmissions shall be independently tested for each air interface/band given in ANSI C63.19-2011. At the present time ANSI C63.19 does not provide simultaneous transmission test procedures.

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## 9. System Verification

A dipole antenna meeting the requirements given in ANSI C63.19-2011 was placed in the position normally occupied by the WD.

The length of the dipole was scanned by E-field probes and the maximum values for each were recorded.

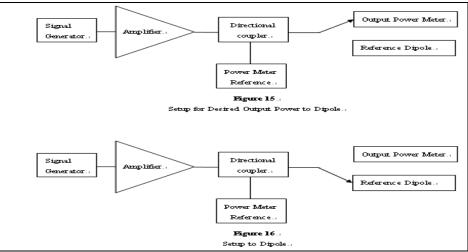


Fig.3 System verification

	For E-Field Scan											
Mode	Frequency (MHz)	Input Power(dBm)	E-Field 1 (V/m)	E-Field 2(V/m)	Target Value(V/m)	Deviation	Measured Date					
CW	835	20	110.5	108.9	108.7	0.92%	Sep.15, 2017					
CW	1880	20	91.43	89.94	91	0.35%	Sep.15, 2017					
CW	2600	20	87.86	82.14	83.3	2.04%	Sep.29, 2017					

Note:

For E-Field, the deviation is [(E-Field 1 + E-Field 2) / 2 - Target value] / Target value x 100%

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## **10. Modulation Interference Factor**

For any specific fixed and repeatable modulated signal, a modulation interference factor (MIF, expressed in dB) may be developed that relates its interference potential 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 and conducted power measurements. It is important to emphasize that the MIF is valid only for a specific repeatable audio-frequency amplitude modulation characteristic. Any change in modulation characteristic requires determination and application of a new MIF

The MIF may be determined using a radiated RF field or a conducted RF signal,

b) Using RF illumination or conducted coupling, apply the specific modulated signal in

question to the measurement system at a level within its confirmed operating dynamic range.

- Measure the steady-state rms level at the output of the fast probe or sensor. C)
- d) Measure the steady-state average level at the weighting output.

e) Without changing the square-law detector or weighting system, and using RF illumination or conducted coupling, substitute for the specific modulated signal a 1 kHz, 80% amplitude modulated carrier at the same frequency and adjust its strength until the level at the weighting output equals the step d) measurement.

f) Without changing the carrier level from step e), remove the 1 kHz modulation and again

measure the steady-state rms level indicated at the output of the fast probe or sensor.

g) The MIF for the specific modulation characteristic is provided by the ratio of the step f)

measurement to the step c) measurement, expressed in dB ( $20 \times \log(\text{step f}))/\text{step c}$ ).

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Based on the KDB285076 D01, the handset can also use the MIF values predetermined by the test equipment manufacturer, and the following table lists the MIF values evaluated by DASY manufacturer (SPEAG), and the test result will be calculated with the MIF parameter automatically.

SPEAG UID	UID version	Communication system	MIF(dB)
10021	DAC (8.1.2017)	GSM-FDD (TDMA, GMSK)	3.63
10011	CAB (8.1.2017)	UMTS-FDD (WCDMA)	-27.23
10170	CAD (8.1.2017)	LTE-FDD (SC-FDMA,1RB, 20MHz,16-QAM)	-9.76
10176	CAE (8.1.2017)	LTE-FDD (SC-FDMA,1RB, 10MHz,16-QAM)	-9.76
10178	CAE (8.1.2017)	LTE-FDD (SC-FDMA,1RB, 5MHz,16-QAM)	-9.76
10182	CAD (8.1.2017)	LTE-FDD (SC-FDMA,1RB, 15MHz,16-QAM)	-9.76
10185	CAD (8.1.2017)	LTE-FDD (SC-FDMA,1RB, 3MHz,16-QAM)	-9.76
10188	CAE (8.1.2017)	LTE-FDD (SC-FDMA,1RB, 1.4MHz,16-QAM)	-9.76
10173	CAD(8.1.2017)	LTE-TDD (SC-FDMA,1RB, 20MHz,16-QAM)	-1.44
10226	CAD(8.1.2017)	LTE-TDD (SC-FDMA,1RB, 1.4MHz,16-QAM)	-1.44
10229	CAD(8.1.2017)	LTE-TDD (SC-FDMA,1RB, 3MHz,16-QAM)	-1.44
10232	CAD(8.1.2017)	LTE-TDD (SC-FDMA,1RB, 5MHz,16-QAM)	-1.44
10235	CAD(8.1.2017)	LTE-TDD (SC-FDMA,1RB, 10MHz,16-QAM)	-1.44
10238	CAD(8.1.2017)	LTE-TDD (SC-FDMA,1RB, 15MHz,16-QAM)	-1.44

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### 11. Measured conducted output power

Band	Channel	Average power(dBm)
	128	32.75
GSM 850 (GMSK)	190	32.75
	251	32.78
	512	30.07
GSM 1900 (GMSK)	661	30.04
(0	810	29.98
	9262	24.45
WCDMA Band II	9400	24.43
	9538	24.45
	1312	24.1
WCDMA Band IV	1412	24.28
	1513	24.29
	4132	23.81
WCDMA Band V	4183	23.82
	4133	23.93

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				FDD E	Band 2			
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1860	18700	22.96	23	0
			0	1880	18900	22.89	23	0
			1900	19100	22.99	23	0	
		4.00	50	1860	18700	22.74	23	0
		1 RB	50	1880	18900	22.82	23	0
				1900 1860	19100 18700	22.86 22.94	23 23	0
			99	1880	18900	22.88	23	0
			00	1900	19100	22.91	23	0
				1860	18700	21.80	22	0-1
	QPSK		0	1880	18900	21.87	22	0-1
				1900	19100	21.98	22	0-1
				1860	18700	21.89	22	0-1
		50 RB	25	1880	18900	21.83	22	0-1
				1900	19100	21.99	22	0-1
				1860	18700	21.88	22	0-1
			50	1880	18900	21.76	22	0-1
		ļļ		1900	19100	21.96	22	0-1
		100RB		1860	18700	21.84	22	0-1
		10	URB	1880	18900	21.85	22	0-1
			1900 1860	19100 18700	21.92 21.98	22 22	0-1 0-1	
		0	1880	18900	21.90	22	0-1	
		Ũ	1900	19100	21.93	22	0-1	
			1860	18700	21.86	22	0-1	
	1 RB	50	1880	18900	21.92	22	0-1	
			1900	19100	21.93	22	0-1	
			1860	18700	21.92	22	0-1	
			99	1880	18900	21.93	22	0-1
			1900	19100	21.97	22	0-1	
				1860	18700	20.79	21	0-2
20	16-QAM		0	1880	18900	20.86	21	0-2
				1900	19100	20.92	21	0-2
		50 RB	25	1860	18700	20.86	21	0-2
			) RB 25	1880 1900	18900 19100	20.90	21 21	0-2
				1900	18700	20.97 20.83	21	0-2
			50	1880	18900	20.74	21	0-2
			00	1900	19100	20.99	21	0-2
				1860	18700	20.78	21	0-2
		10	0RB	1880	18900	20.90	21	0-2
				1900	19100	20.94	21	0-2
				1860	18700	21.93	22	0-1
			0	1880	18900	21.98	22	0-1
				1900	19100	21.90	22	0-1
				1860	18700	21.84	22	0-1
		1 RB	50	1880	18900	21.82	22	0-1
				1900	19100	21.91	22	0-1
			00	1860	18700	21.97	22	0-1
			99	1880	18900	21.92	22	0-1
				1900 1860	19100	21.93	22	0-1
	64-QAM		0	1860	18700 18900	20.92 20.79	21 21	0-2
			0	1900	19100	20.79	21	0-2
				1900	18700	20.86	21	0-2
		50 RB	25	1880	18900	20.86	21	0-2
			20	1900	19100	20.90	21	0-2
				1860	18700	20.99	21	0-2
			50	1880	18900	20.83	21	0-2
				1900	19100	20.74	21	0-2
				1860	18700	20.94	21	0-2
		10	0RB	1880	18900	20.78	21	0-2
				1900	19100	20.90	21	0-2

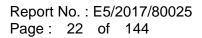
#### LTE FDD Band 2 - conducted power table:

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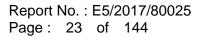
			RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1857.5	18675	22.71	23	0
			0	1880	18900	22.92	23	0
				1902.5	19125	22.79	23	0
				1857.5	18675	22.53	23	0
		1 RB	36	1880	18900	22.75	23	0
				1902.5	19125	22.88	23	0
				1857.5	18675	22.66	23	0
			74	1880	18900	22.79	23	0
				1902.5	19125	22.97	23	0
				1857.5	18675	21.73	22	0-1
	QPSK		0	1880	18900	21.92	22	0-1
				1902.5	19125	21.94	22	0-1
				1857.5	18675	21.69	22	0-1
		36 RB	18	1880	18900	21.87	22	0-1
				1902.5	19125	22.00	22	0-1
				1857.5	18675	21.73	22	0-1
			37	1880	18900	21.78	22	0-1
			1902.5	19125	21.95	22	0-1	
				1857.5	18675	21.66	22	0-1
		75	δRB	1880	18900	21.88	22	0-1
				1902.5	19125	21.91	22	0-1
				1857.5	18675	21.91	22	0-1
			0	1880	18900	21.94	22	0-1
				1902.5	19125	21.98	22	0-1
				1857.5	18675	21.97	22	0-1
		1 RB	36	1880	18900	21.95	22	0-1
				1902.5	19125	21.83	22	0-1
				1857.5	18675	21.91	22	0-1
			74	1880	18900	21.92	22	0-1
				1902.5	19125	22.00	22	0-1
4.5			0	1857.5	18675	20.69	21	0-2
15 1	16-QAM	36 RB		1880	18900	20.86	21	0-2
				1902.5	19125	20.99	21	0-2
			18	1857.5	18675	20.79	21	0-2
				1880	18900	20.78	21	0-2
				1902.5	19125	21.00	21	0-2
			07	1857.5	18675	20.66	21	0-2
			37	1880	18900	20.83	21	0-2
	ŀ			1902.5	19125	20.90	21	0-2
		75	DD	1857.5	18675	20.60	21	0-2
		/5	iRB	1880	18900	20.84	21	0-2
∣				1902.5	19125	20.69	21	0-2
			0	1857.5	18675	21.98 21.91	22 22	0-1
			U	1880 1902.5	18900 19125	21.91	22	0-1 0-1
				1902.5	18675	21.94	22	0-1
		1 RB	36	1880	18900	21.83	22	0-1
			50	1902.5	19125	21.97	22	0-1
						21.95	22	0-1
			74	1857.5 1880	18675 18900	21.94	22	0-1
			, 4	1902.5	19125	21.90	22	0-1
	-			1857.5	18675	20.99	22	0-1
6	64-QAM		0	1880	18900	20.69	21	0-2
			5	1902.5	19125	20.86	21	0-2
				1857.5	18675	20.74	21	0-2
		36 RB	18	1880	18900	20.74	21	0-2
		00 110	10	1902.5	19125	20.82	21	0-2
				1857.5	18675	20.90	21	0-2
			37	1880	18900	20.83	21	0-2
1			37	1902.5	19125	20.66	21	0-2
	ł		<u> </u>	1857.5	18675	20.69	21	0-2
		75	RB	1880	18900	20.60	21	0-2
		10		1902.5	19125	20.84	21	0-2

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1855	18650	22.69	23	0
			0	1880	18900	22.92	23	0
				1905	19150	22.89	23	0
				1855	18650	22.62	23	0
		1 RB	25	1880	18900	22.74	23	0
				1905	19150	22.81	23	0
				1855	18650	22.92	23	0
			49	1880	18900	22.92	23	0
				1905	19150	22.84	23	0
	ODOK		0	1855	18650	21.63	22	0-1
	QPSK		0	1880	18900	21.79	22	0-1
				1905	19150	21.92	22	0-1
			10	1855	18650	21.61	22	0-1
		25 RB	12	1880	18900	21.77	22	0-1
				1905	19150	21.90	22	0-1
			25	1855	18650	21.58	22	0-1
			25	1880	18900	21.74	22	0-1
				1905	19150	21.84	22 22	0-1
		50	)RB	1855	18650	21.59		0-1
		50	JKD	1880	18900	21.79	22 22	0-1 0-1
				1905	19150	21.88	22	
			0	1855 1880	18650 18900	21.98 21.98	22	0-1 0-1
			0	1905	19150	21.96	22	0-1
				1855	18650	21.61	22	0-1
		1 RB	25	1880	18900	21.84	22	0-1
		TIXD	25	1905	19150	21.91	22	0-1
				1855	18650	21.79	22	0-1
			49	1880	18900	21.80	22	0-1
				1905	19150	21.97	22	0-1
				1855	18650	20.65	21	0-2
10	16-QAM		0	1880	18900	20.96	21	0-2
10			Ũ	1905	19150	20.92	21	0-2
		25 RB	12	1855	18650	20.67	21	0-2
				1880	18900	20.82	21	0-2
				1905	19150	20.98	21	0-2
				1855	18650	20.58	21	0-2
			25	1880	18900	20.69	21	0-2
				1905	19150	20.82	21	0-2
				1855	18650	20.56	21	0-2
		50	)RB	1880	18900	20.71	21	0-2
				1905	19150	20.92	21	0-2
				1855	18650	21.91	22	0-1
			0	1880	18900	21.88	22	0-1
				1905	19150	21.91	22	0-1
				1855	18650	21.60	22	0-1
		1 RB	25	1880	18900	21.82	22	0-1
				1905	19150	21.88	22	0-1
				1855	18650	21.77	22	0-1
			49	1880	18900	21.77	22	0-1
				1905	19150	21.96	22	0-1
				1855	18650	20.63	21	0-2
	64-QAM		0	1880	18900	20.93	21	0-2
				1905	19150	20.90	21	0-2
		05 55	40	1855	18650	20.64	21	0-2
		25 RB	12	1880	18900	20.81	21	0-2
				1905	19150	20.96	21	0-2
			05	1855	18650	20.55	21	0-2
			25	1880	18900	20.67	21	0-2
				1905	19150	20.79	21	0-2
			ססו	1855	18650	20.55	21	0-2
		50	)RB	1880	18900	20.69	21	0-2
				1905	19150	20.89	21	0-2

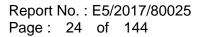
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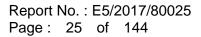
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1852.5	18625	22.59	23	0
			0	1880	18900	22.73	23	0
				1907.5	19175	22.83	23	0
		4.55	10	1852.5	18625	22.58	23	0
	1 RB	12	1880	18900	22.61	23	0	
			1907.5 1852.5	19175 18625	22.89 22.61	23 23	0	
			24	1880	18900	22.01	23	0
				1907.5	19175	22.86	23	0
				1852.5	18625	21.61	22	0-1
	QPSK		0	1880	18900	21.82	22	0-1
				1907.5	19175	21.87	22	0-1
				1852.5	18625	21.59	22	0-1
		12 RB	6	1880	18900	21.78	22	0-1
				1907.5	19175	21.87	22	0-1
			40	1852.5	18625	21.62	22	0-1
			13	1880	18900	21.73	22	0-1
				1907.5 1852.5	19175 18625	21.86 21.67	22 22	0-1 0-1
		25	SRB	1852.5	18625	21.67	22	0-1
				1907.5	19175	21.74	22	0-1
				1852.5	18625	21.97	22	0-1
			0	1880	18900	21.89	22	0-1
				1907.5	19175	21.93	22	0-1
				1852.5	18625	21.61	22	0-1
		1 RB	12	1880	18900	21.90	22	0-1
				1907.5	19175	21.97	22	0-1
				1852.5	18625	21.92	22	0-1
			24	1880	18900	21.95	22	0-1
				1907.5	19175	21.91	22	0-1
5	16-QAM		0	1852.5	18625	20.69	21 21	0-2 0-2
5	10-QAIVI		0	1880 1907.5	18900 19175	20.80 20.89	21	0-2
		12 RB		1852.5	18625	20.74	21	0-2
			6	1880	18900	20.80	21	0-2
				1907.5	19175	20.99	21	0-2
			13	1852.5	18625	20.54	21	0-2
				1880	18900	20.77	21	0-2
				1907.5	19175	20.95	21	0-2
				1852.5	18625	20.61	21	0-2
		25	ōRB	1880	18900	20.76	21	0-2
				1907.5	19175	20.95	21	0-2
			0	1852.5	18625 18900	21.94 21.87	22 22	0-1
			0	1880 1907.5	19175	21.87	22	0-1 0-1
				1852.5	18625	21.60	22	0-1
		1 RB	12	1880	18900	21.88	22	0-1
				1907.5	19175	21.94	22	0-1
				1852.5	18625	21.90	22	0-1
			24	1880	18900	21.92	22	0-1
				1907.5	19175	21.90	22	0-1
				1852.5	18625	20.67	21	0-2
	64-QAM		0	1880	18900	20.77	21	0-2
				1907.5	19175	20.87	21	0-2
		12 RB	e	1852.5	18625	20.71	21	0-2
		12 KB	6	1880	18900	20.79 20.97	21	0-2
				1907.5 1852.5	19175		21 21	0-2
			13	1880	18625 18900	20.51 20.75	21	0-2
			10	1907.5	19175	20.92	21	0-2
			0	1852.5	18625	20.60	21	0-2
		25	SRB	1880	18900	20.74	21	0-2
				1907.5	19175	20.92	21	0-2

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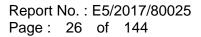
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1851.5	18615	22.54	23	0
			0	1880	18900	22.69	23	0
				1908.5	19185	22.75	23	0
				1851.5	18615	22.65	23	0
		1 RB	7	1880	18900	22.79	23	0
				1908.5	19185	22.79	23	0
				1851.5	18615	22.55	23	0
			14	1880	18900	22.65	23	0
				1908.5	19185	22.76	23	0
	ODOK		0	1851.5	18615	21.57	22	0-1
	QPSK		0	1880	18900	21.68	22	0-1
				1908.5	19185	21.83	22	0-1
		8 RB	4	1851.5	18615	21.53	22	0-1
		OKD	4	1880	18900	21.67	22 22	0-1
				1908.5 1851.5	19185 18615	21.82 21.46	22	0-1 0-1
			7	1851.5	18900	21.46	22	0-1
				1908.5	19185	21.73	22	0-1
			ļ	1851.5	18615	21.50	22	0-1
		15	5RB	1880	18900	21.76	22	0-1
				1908.5	19185	21.69	22	0-1
				1851.5	18615	21.70	22	0-1
			0	1880	18900	21.82	22	0-1
				1908.5	19185	21.96	22	0-1
				1851.5	18615	21.46	22	0-1
		1 RB	7	1880	18900	21.97	22	0-1
				1908.5	19185	21.95	22	0-1
				1851.5	18615	21.98	22	0-1
			14	1880	18900	21.99	22	0-1
				1908.5	19185	21.97	22	0-1
		8 RB		1851.5	18615	20.57	21	0-2
3	16-QAM		0	1880	18900	20.66	21	0-2
				1908.5	19185	20.96	21	0-2
			4	1851.5	18615	20.67	21	0-2
				1880	18900	20.81	21	0-2
				1908.5	19185	20.84	21	0-2
			7	1851.5	18615	20.55	21	0-2
				1880	18900	20.78	21	0-2
				1908.5	19185	20.77	21	0-2
		16	5RB	1851.5 1880	18615 18900	20.62 20.62	21 21	0-2 0-2
				1908.5	19185	20.82	21	0-2
				1851.5	18615	21.67	22	0-2
			0	1880	18900	21.80	22	0-1
			-	1908.5	19185	21.93	22	0-1
				1851.5	18615	21.45	22	0-1
		1 RB	7	1880	18900	21.95	22	0-1
				1908.5	19185	21.92	22	0-1
				1851.5	18615	21.96	22	0-1
			14	1880	18900	21.96	22	0-1
				1908.5	19185	21.96	22	0-1
				1851.5	18615	20.55	21	0-2
	64-QAM		0	1880	18900	20.63	21	0-2
				1908.5	19185	20.94	21	0-2
				1851.5	18615	20.64	21	0-2
		8 RB	4	1880	18900	20.80	21	0-2
				1908.5	19185	20.82	21	0-2
			_	1851.5	18615	20.52	21	0-2
			7	1880	18900	20.76	21	0-2
				1908.5	19185	20.74	21	0-2
		4.0	DD	1851.5	18615	20.61	21	0-2
		18	5RB	1880	18900	20.60	21	0-2
		ļ		1908.5	19185	20.81	21	0-2

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1850.7	18607	22.70	23	0
			0	1880	18900	22.76	23	0
				1909.3	19193	22.93	23	0
				1850.7	18607	22.78	23	0
		1 RB	2	1880	18900	22.87	23	0
				1909.3 1850.7	19193 18607	22.88 22.77	23	0
			5	1850.7	18607	22.77	23 23	0
			5	1909.3	19193	22.82	23	0
				1850.7	18607	22.80	23	0
	QPSK		0	1880	18900	22.90	23	0
				1909.3	19193	22.94	23	0
				1850.7	18607	22.86	23	0
		3 RB	2	1880	18900	22.84	23	0
				1909.3	19193	22.95	23	0
				1850.7	18607	22.73	23	0
			3	1880	18900	22.76	23	0
				1909.3	19193	22.91	23	0
		-		1850.7	18607	21.78	22	0-1
		6	RB	1880	18900	21.77	22	0-1
				1909.3	19193	21.88	22	0-1
			0	1850.7	18607	21.93	22	0-1
			0	1880	18900	21.91	22	0-1
				1909.3	19193 18607	21.98 21.99	22 22	0-1 0-1
		1 RB	2	1850.7 1880	18900	21.99	22	0-1
		TIND	2	1909.3	19193	21.90	22	0-1
				1850.7	18607	21.85	22	0-1
			5	1880	18900	21.75	22	0-1
			Ũ	1909.3	19193	21.94	22	0-1
				1850.7	18607	21.82	22	0-1
1.4	16-QAM		0	1880	18900	21.76	22	0-1
				1909.3	19193	21.94	22	0-1
		3 RB		1850.7	18607	21.83	22	0-1
			2	1880	18900	21.76	22	0-1
				1909.3	19193	21.97	22	0-1
			3	1850.7	18607	21.83	22	0-1
				1880	18900	21.92	22	0-1
				1909.3	19193	21.79	22	0-1
		_		1850.7	18607	20.70	21	0-2
		6	RB	1880	18900	20.73	21	0-2
				1909.3	19193	20.87	21	0-2
			0	1850.7 1880	18607 18900	21.90 21.89	22 22	0-1 0-1
			0	1909.3	19193	21.89	22	0-1
				1909.3	18607	21.95	22	0-1
		1 RB	2	1880	18900	21.98	22	0-1
			_	1909.3	19193	21.92	22	0-1
				1850.7	18607	21.83	22	0-1
			5	1880	18900	21.00	22	0-1
			-	1909.3	19193	21.93	22	0-1
				1850.7	18607	21.80	22	0-1
	64-QAM		0	1880	18900	21.73	22	0-1
				1909.3	19193	21.92	22	0-1
				1850.7	18607	21.80	22	0-1
		3 RB	2	1880	18900	21.75	22	0-1
				1909.3	19193	21.95	22	0-1
				1850.7	18607	21.80	22	0-1
			3	1880	18900	21.90	22	0-1
				1909.3	19193	21.76	22	0-1
		-		1850.7	18607	20.69	21	0-2
		6	RB	1880	18900	20.71	21	0-2
				1909.3	19193	20.84	21	0-2

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				FDD Ba	ind 4			
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Power + Max. Tolerance	MPR Allowed per 3GPP(dB)
				. ,	20050	,	(dDra) 24	,
			0	1720 1732.5	20050 20175	23.35 23.53	24	0
		0	1745	20300	23.55	24	0	
				1720	20050	23.02	24	0
		1 RB	50	1732.5	20175	23.35	24	0
				1745	20300	23.37	24	0
				1720	20050	23.21	24	0
			99	1732.5	20175	23.29	24	0
				1745	20300	23.44	24	0
				1720	20050	22.34	23	0-1
	QPSK		0	1732.5	20175	22.49	23	0-1
				1745	20300	22.59	23	0-1
		50 RB	25	1720	20050	22.23	23	0-1
		30 KB	25	1732.5 1745	20175 20300	22.38 22.52	23 23	0-1
				1745	20300	22.27	23	0-1
			50	1732.5	20030	22.39	23	0-1
			00	1745	20300	22.49	23	0-1
			1720	20050	22.23	23	0-1	
		10	0RB	1732.5	20175	22.34	23	0-1
			1745	20300	22.49	23	0-1	
				1720	20050	22.59	23	0-1
			0	1732.5	20175	22.52	23	0-1
				1745	20300	22.58	23	0-1
				1720	20050	22.35	23	0-1
		1 RB	50	1732.5	20175	22.43	23	0-1
			1745	20300	22.49	23	0-1	
				1720	20050	22.75	23	0-1
			99	1732.5	20175	22.70	23	0-1
				1745 1720	20300	22.81	23 22	0-1 0-2
20	16-QAM		0	1720	20050 20175	21.39 21.50	22	0-2
20	TO GAM		0	1745	20300	21.64	22	0-2
		50 RB	RB 25	1743	20050	21.25	22	0-2
				1732.5	20175	21.42	22	0-2
				1745	20300	21.59	22	0-2
				1720	20050	21.21	22	0-2
			50	1732.5	20175	21.42	22	0-2
				1745	20300	21.48	22	0-2
				1720	20050	21.17	22	0-2
		10	0RB	1732.5	20175	21.35	22	0-2
				1745	20300	21.48	22	0-2
				1720	20050	22.56	23	0-1
			0	1732.5	20175	22.50	23	0-1
				1745 1720	20300 20050	22.55 22.34	23 23	0-1 0-1
		1 RB	50	1720	20050	22.34	23	0-1
			50	1732.5	20175	22.41	23	0-1
				1743	20050	22.73	23	0-1
			99	1732.5	20175	22.67	23	0-1
				1745	20300	22.80	23	0-1
				1720	20050	21.37	22	0-2
	64-QAM		0	1732.5	20175	21.47	22	0-2
				1745	20300	21.62	22	0-2
				1720	20050	21.22	22	0-2
		50 RB	25	1732.5	20175	21.41	22	0-2
				1745	20300	21.57	22	0-2
			50	1720	20050	21.18	22	0-2
			50	1732.5	20175	21.40	22	0-2
			L [	1745	20300	21.45	22	0-2
				1720	20050	21 16	22	0-2
		10	0RB	1720 1732.5	20050 20175	21.16 21.33	22 22	0-2

#### LTE FDD Band 4 - conducted power table:

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1717.5	20025	23.30	24	0
			0	1732.5	20175	23.47	24	0
				1747.5	20325	23.50	24	0
				1717.5	20025	23.17	24	0
		1 RB	36	1732.5	20175	23.21	24	0
				1747.5	20325	23.37	24	0
				1717.5	20025	23.18	24	0
			74	1732.5	20175	23.34	24	0
				1747.5	20325	23.38	24	0
				1717.5	20025	22.26	23	0-1
	QPSK		0	1732.5	20175	22.40	23	0-1
				1747.5	20325	22.55	23	0-1
				1717.5	20025	22.26	23	0-1
		36 RB	18	1732.5	20175	22.30	23	0-1
				1747.5	20325	22.43	23	0-1
				1717.5	20025	22.28	23	0-1
			37	1732.5	20175	22.31	23	0-1
				1747.5	20325	22.54	23	0-1
			•	1717.5	20025	22.20	23	0-1
		75RB		1732.5	20175	22.37	23	0-1
				1747.5	20325	22.45	23	0-1
				1717.5	20025	22.54	23	0-1
			0	1732.5	20175	22.60	23	0-1
		1 RB		1747.5	20325	22.80	23	0-1
				1717.5	20025	22.13	23	0-1
			36	1732.5	20175	22.72	23	0-1
				1747.5	20325	22.47	23	0-1
				1717.5	20025	22.44	23	0-1
			74	1732.5	20175	22.73	23	0-1
				1747.5	20325	22.74	23	0-1
				1717.5	20025	21.24	22	0-2
15	16-QAM		0	1732.5	20175	21.41	22	0-2
-			-	1747.5	20325	21.54	22	0-2
				1717.5	20025	21.27	22	0-2
		36 RB	18	1732.5	20175	21.35	22	0-2
				1747.5	20325	21.43	22	0-2
			37	1717.5	20025	21.28	22	0-2
				1732.5	20175	21.20	22	0-2
			0.	1747.5	20325	21.49	22	0-2
				1717.5	20025	21.23	22	0-2
		7	5RB	1732.5	20025	21.25	22	0-2
				1747.5	20325	21.46	22	0-2
				1747.5	20325	21.40	23	0-2
			0	1732.5	22.58	22.60	23	0-1
			Ŭ	1732.5	22.38	22.80	23	0-1
				1747.5	22.17	22.80	23	0-1
		1 RB	36	1732.5	22.12	22.13	23	0-1
			30		22.1	22.12	23	0-1
				1747.5				
			74	1717.5	22.42	22.44	23	0-1
			14	1732.5	22.7	22.73	23	0-1
				1/4/.5	22.73	22.74	23	0-1
	64 0 4 44			1717.5	21.22	21.24	22	0-2
	64-QAM		0	1732.5	21.38	21.41	22	0-2
				1747.5	21.52	21.54	22	0-2
		20.00	40	1717.5	21.24	21.27	22	0-2
		36 RB	18	1732.5	21.34	21.35	22	0-2
				1747.5	21.41	21.43	22	0-2
				1717.5	21.25	21.28	22	0-2
			37	1732.5	21.29	21.31	22	0-2
				1747.5	21.46	21.49	22	0-2
				1717.5	21.22	21.23	22	0-2
		7	5RB	1732.5	21.35	21.37	22	0-2
				1747.5	21.43	21.46	22	0-2

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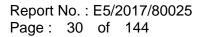
				_			Taiget	
BW(MHz)	Modulation	RB Size	RB Offset	Frequency	Channel	Conducted	Power + Max.	MPR Allowed
()				(MHz)		power (dBm)	Tolerance	per 3GPP(dB)
				1715	20000	23.30	24	0
			0	1732.5	20175	23.34	24	0
			-	1750	20350	23.44	24	0
				1715	20000	23.29	24	0
		1 RB	25	1732.5	20000	23.30	24	0
					20350		24	0
				1750		23.41		1
			40	1715	20000	23.20	24	0
			49	1732.5	20175	23.22	24	0
				1750	20350	23.49	24	0
				1715	20000	22.18	23	0-1
	QPSK		0	1732.5	20175	22.33	23	0-1
				1750	20350	22.50	23	0-1
				1715	20000	22.24	23	0-1
		25 RB	12	1732.5	20175	22.29	23	0-1
				1750	20350	22.53	23	0-1
				1715	20000	22.22	23	0-1
			25	1732.5	20175	22.27	23	0-1
				1750	20350	22.53	23	0-1
				1715	20000	22.20	23	0-1
		50	RB	1732.5	20000	22.34	23	0-1
				1750	20350	22.54	23	0-1
			0	1715	20000	22.60	23	0-1
			0	1732.5	20175	22.37	23	0-1
				1750	20350	22.96	23	0-1 0-1
		4.55		1715	20000	22.19	23	
		1 RB	25	1732.5	20175	22.47	23	0-1
				1750	20350	22.79	23	0-1
				1715	20000	22.22	23	0-1
			49	1732.5	20175	22.37	23	0-1
				1750	20350	22.61	23	0-1
				1715	20000	21.27	22	0-2
10	16-QAM		0	1732.5	20175	21.25	22	0-2
			-	1750	20350	21.42	22	0-2
				1715	20000	21.25	22	0-2
		25 RB	12	1732.5	20000	21.35	22	0-2
		2310						1
			25	1750	20350	21.57	22	0-2
				1715	20000	21.13	22	0-2
				1732.5	20175	21.29	22	0-2
				1750 1715	20350	21.52	22	0-2
					20000	21.24	22	0-2
		50	)RB	1732.5	20175	21.32	22	0-2
				1750	20350	21.52	22	0-2
				1715	20000	22.57	23	0-1
			0	1732.5	20175	22.35	23	0-1
				1750	20350	22.93	23	0-1
				1715	20000	22.18	23	0-1
		1 RB	25	1732.5	20175	22.45	23	0-1
			_0	1750	20350	22.76	23	0-1
				1715		22.20	23	
			49		20000			0-1
			49	1732.5	20175	22.34	23	0-1
				1750	20350	22.60	23	0-1
			-	1715	20000	21.25	22	0-2
	64-QAM		0	1732.5	20175	21.22	22	0-2
				1750	20350	21.40	22	0-2
				1715	20000	21.22	22	0-2
		25 RB	12	1732.5	20175	21.34	22	0-2
				1750	20350	21.55	22	0-2
				1715	20000	21.10	22	0-2
			25	1732.5	20175	21.27	22	0-2
			-	1750	20350	21.49	22	0-2
			1	1715	20000	21.23	22	0-2
		50	RB	1732.5	20000	21.23	22	0-2
		50						
	1	1		1750	20350	21.49	22	0-2

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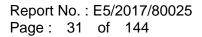
							raigei	
BW(MHz)	Modulation	RB Size	RB Offset	Frequency	Channel	Conducted	Power + Max.	MPR Allowed
BVV (IVII 12)	woodlation	TED 0120	IND ONSOL	(MHz)	Onanner	power (dBm)	Tolerance	per 3GPP(dB)
				1712.5	19975	23.18	24	0
			0	1732.5	20175	23.29	24	0
			0	1752.5	20175	23.43	24	0
				1712.5	19975	23.17	24	0
		1 RB	12					
		IKD	12	1732.5	20175	23.34	24	0
				1752.5	20375	23.31	24	0
				1712.5	19975	23.13	24	0
			24	1732.5	20175	23.21	24	0
				1752.5	20375	23.54	24	0
				1712.5	19975	22.11	23	0-1
	QPSK		0	1732.5	20175	22.31	23	0-1
				1752.5	20375	22.44	23	0-1
				1712.5	19975	22.21	23	0-1
		12 RB	6	1732.5	20175	22.34	23	0-1
				1752.5	20375	22.53	23	0-1
				1712.5	19975	22.14	23	0-1
			13	1732.5	20175	22.27	23	0-1
				1752.5	20375	22.47	23	0-1
				1712.5	19975	22.17	23	0-1
		25	SRB	1732.5				-
		20			20175	22.23	23	0-1
				1752.5	20375	22.51	23	0-1
				1712.5	19975	22.32	23	0-1
			0	1732.5	20175	22.90	23	0-1
				1752.5	20375	22.55	23	0-1 0-1
				1712.5	19975	22.30	23	0-1
		1 RB	12	1732.5	20175	22.75	23	0-1
				1752.5	20375	22.88	23	0-1
				1712.5	19975	22.10	23	0-1
			24	1732.5	20175	22.50	23	0-1
				1752.5	20375	22.64	23	0-1
				1712.5	19975	21.26	22	0-2
5	16-QAM		0	1732.5	20175	21.43	22	0-2
5	10 67410		0	1752.5	20375	21.43	22	0-2
		12 00	6	1712.5	19975	21.27	22	0-2
		12 RB	0	1732.5	20175	21.32	22	0-2
				1752.5	20375	21.53	22	0-2
			13	1712.5	19975	21.22	22	0-2
				1732.5	20175	21.16	22	0-2
				1752.5	20375	21.40	22	0-2
			•		19975	21.18	22	0-2
		25	ōRB	1732.5	20175	21.34	22	0-2
				1752.5	20375	21.50	22	0-2
				1712.5	19975	22.29	23	0-1
			0	1732.5	20175	22.88	23	0-1
				1752.5	20375	22.52	23	0-1
				1712.5	19975	22.29	23	0-1
		1 RB	12	1732.5	20175	22.73	23	0-1
				1752.5	20175	22.85	23	0-1
				1752.5	19975		23	
			24	1712.5		22.08		0-1
			24	1750 5	20175	22.47	23	0-1
				1752.5	20375	22.63	23	0-1
				1712.5	19975	21.24	22	0-2
	64-QAM		0	1732.5	20175	21.40	22	0-2
				1752.5	20375	21.41	22	0-2
				1712.5	19975	21.24	22	0-2
		12 RB	6	1732.5	20175	21.31	22	0-2
				1752.5	20375	21.51	22	0-2
				1712.5	19975	21.19	22	0-2
			13	1732.5	20175	21.14	22	0-2
				1752.5	20375	21.37	22	0-2
				1712.5	19975	21.17	22	0-2
		25	SRB	1732.5	20175	21.32	22	0-2
		2.		1752.5	20175	21.32	22	0-2
				1752.0	20010	21.47		0-2

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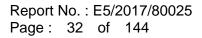
							raigei	
BW(MHz)	Modulation	RB Size	RB Offset	Frequency	Channel	Conducted	Power + Max.	MPR Allowed
BVV (IVII IZ)	Wouldtion	KD SIZE	KB Oliset	(MHz)	Channel	power (dBm)	Tolerance	per 3GPP(dB)
				1711 5	10005	00.40		
				1711.5	19965	23.16	24	0
			0	1732.5	20175	23.26	24	0
				1753.5	20385	23.32	24	0
				1711.5	19965	23.26	24	0
		1 RB	7	1732.5	20175	23.34	24	0
				1753.5	20385	23.41	24	0
				1711.5	19965	23.19	24	0
			4.4					
			14	1732.5	20175	23.19	24	0
				1753.5	20385	23.29	24	0
				1711.5	19965	22.19	23	0-1
	QPSK		0	1732.5	20175	22.33	23	0-1
				1753.5	20385	22.44	23	0-1
				1711.5	19965	22.20	23	0-1
		8 RB	4					
		8 KB	4	1732.5	20175	22.25	23	0-1
				1753.5	20385	22.45	23	0-1
				1711.5	19965	22.15	23	0-1
			7	1732.5	20175	22.25	23	0-1
				1753.5	20385	22.42	23	0-1
	1			1711.5	19965	22.16	23	0-1
	1	، L						
	1	15	ōRB	1732.5	20175	22.26	23	0-1
			-	1753.5	20385	22.42	23	0-1
				1711.5	19965	22.65	23	0-1
			0	1732.5	20175	22.42	23	0-1
				1753.5	20385	22.44	23	0-1
		1 00		1711.5	19965	22.52	23	0-1
			7					
		1 RB	7	1732.5	20175	22.58	23	0-1
				1753.5	20385	22.99	23	0-1
				1711.5	19965	22.58	23	0-1
			14	1732.5	20175	22.66	23	0-1
				1753.5	20385	22.66	23	0-1
				1711.5	19965	21.31	22	0-2
2	10 0444		0					
3	16-QAM	~	0	1732.5	20175	21.39	22	0-2
				1753.5	20385	21.51	22	0-2
		8 RB		1711.5	19965	21.21	22	0-2
			4	1732.5	20175	21.35	22	0-2
				1753.5	20385	21.46	22	0-2
				1711.5	19965	21.15	22	0-2
			7					
			7	1732.5	20175	21.15	22	0-2
				1753.5	20385	21.52	22	0-2
				1711.5	19965	21.19	22	0-2
		15	5RB	1732.5	20175	21.45	22	0-2
				1753.5	20385	21.38	22	0-2
				1711.5	19965	22.62	23	0-1
			0					
			0	1732.5	20175	22.40	23	0-1
				1753.5	20385	22.41	23	0-1
				1711.5	19965	22.51	23	0-1
		1 RB	7	1732.5	20175	22.56	23	0-1
				1753.5	20385	22.96	23	0-1
				1711.5	19965	22.56	23	0-1
			14				23	0-1
			14	1732.5	20175	22.63		
	1			1753.5	20385	22.65	23	0-1
	1			1711.5	19965	21.29	22	0-2
	16-QAM		0	1732.5	20175	21.36	22	0-2
	1			1753.5	20385	21.49	22	0-2
				1711.5	19965	21.18	22	0-2
		8 RB		1732.5				
			8 4	1/32.5	20175	21.34	22	0-2
		8 RB	4		00007		<u> </u>	0.0
		8 RB	4	1753.5	20385	21.44	22	0-2
		8 RB	4		20385 19965	21.44 21.12	22 22	0-2
		8 RB	4	1753.5				
		8 RB		1753.5 1711.5 1732.5	19965 20175	21.12 21.13	22 22	0-2 0-2
		8 RB		1753.5 1711.5 1732.5 1753.5	19965 20175 20385	21.12 21.13 21.49	22 22 22	0-2 0-2 0-2
			7	1753.5 1711.5 1732.5 1753.5 1711.5	19965 20175 20385 19965	21.12 21.13 21.49 21.18	22 22 22 22 22	0-2 0-2 0-2 0-2
				1753.5 1711.5 1732.5 1753.5	19965 20175 20385	21.12 21.13 21.49	22 22 22	0-2 0-2 0-2

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							laiget	
BW(MHz)	Modulation	RB Size	RB Offset	Frequency	Channel	Conducted	Power + Max.	MPR Allowed
	wouldton	IND SIZE	IND Oliset	(MHz)	Channel	power (dBm)	Tolerance	per 3GPP(dB)
				1710.7	10057	22.11		0
			0		19957	23.11	24	
			0	1732.5	20175	23.22	24	0
				1754.3	20393	23.33	24	0
				1710.7	19957	23.10	24	0
		1 RB	2	1732.5	20175	23.28	24	0
			Γ	1754.3	20393	23.35	24	0
				1710.7	19957	23.07	24	0
			5	1732.5	20175	23.22	24	0
			-	1754.3	20393	23.29	24	0
	0001/		0	1710.7	19957	23.15	24	0
	QPSK		0	1732.5	20175	23.20	24	0
				1754.3	20393	23.34	24	0
				1710.7	19957	23.12	24	0
		3 RB	2	1732.5	20175	23.22	24	0
				1754.3	20393	23.41	24	0
				1710.7	19957	23.13	24	0
			3	1732.5	20175	23.18	24	0
			0					0
			1	1754.3	20393	23.38	24	
		-		1710.7	19957	22.06	23	0-1
		6	RB	1732.5	20175	22.24	23	0-1
				1754.3	20393	22.38	23	0-1
				1710.7	19957	21.97	23	0-1
			0	1732.5	20175	22.64	23	0-1
				1754.3	20393	22.59	23	
				1710.7	19957	22.63	23	
		1 RB	2					0-1 0-1 0-1 0-1 0-1 0-1 0-1
		IKD	2	1732.5	20175	22.48	23	
				1754.3	20393	22.88	23	
				1710.7	19957	22.31	23	
			5	1732.5	20175	22.34	23	0-1
				1754.3	20393	22.31	23	0-1
				1710.7	19957	22.17	23	0-1
1.4	16-QAM		0	1732.5	20175	22.19	23	0-1
				1754.3	20393	22.46	23	0-1
				1710.7	19957	22.24	23	0-1
		3 RB	2	1732.5	20175	22.24	23	0-1
			3	1754.3	20393	22.37	23	0-1
				1710.7	19957	22.06	23	0-1
				1732.5	20175	22.27	23	0-1
				1754.3	20393	22.51	23	0-1
				1710.7	19957	21.15	22	0-2
		6	6RB		20175	21.23	22	0-2
				1732.5 1754.3	20393	21.61	22	0-2
				1710.7	19957	21.94	23	0-1
			0	1732.5	20175	22.62	23	0-1
			, j	1754.3	20393	22.56	23	0-1
		4.00	c	1710.7	19957	22.62	23	0-1
		1 RB	2	1732.5	20175	22.46	23	0-1
				1754.3	20393	22.85	23	0-1
				1710.7	19957	22.29	23	0-1
			5	1732.5	20175	22.31	23	0-1
				1754.3	20393	22.30	23	0-1
				1710.7	19957	22.15	23	0-1
	64-QAM		0	1732.5	20175	22.16	23	0-1
	5. S(/ III)		, j	1754.3		22.44		
					20393		23	0-1
		0.00	c	1710.7	19957	22.21	23	0-1
		3 RB	2	1732.5	20175	22.27	23	0-1
				1754.3	20393	22.35	23	0-1
				1710.7	19957	22.03	23	0-1
			3	1732.5	20175	22.25	23	0-1
				1754.3	20393	22.48	23	0-1
				1710.7	19957	21.14	23	0-2
		6	RB	1732.5		21.14	22	
		0			20175			0-2
		1		1754.3	20393	21.58	22	0-2

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				FDD	Band 5			
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				829	20450	22.48	23	0
			0	836.5	20525	22.58	23	0
				844	20600	22.99	23	0
		1 RB	25	829 836.5	20450 20525	22.59 22.65	23 23	0
		T ND	20	844	20600	22.96	23	0
				829	20450	22.76	23	0
			49	836.5	20525	22.69	23	0
				844	20600	22.86	23	0
	QPSK		0	829 836.5	20450 20525	21.65 21.74	22 22	0-1
			Ū	844	20600	21.86	22	0-1
				829	20450	21.67	22	0-1
		25 RB	12	836.5	20525	21.75	22	0-1
				844	20600	21.93	22	0-1
			25	829 836.5	20450 20525	21.69 21.72	22 22	0-1 0-1
			25	844	20525	21.72	22	0-1
			I	829	20000	21.59	22	0-1
		50	)RB	836.5	20525	21.68	22	0-1 0-1
				844	20600	21.87	22	0-1
			0	829	20450	21.80	22	0-1
			0	836.5 844	20525 20600	21.85 21.92	22 22	0-1
				829	20000	21.53	22	0-1
		1 RB	25	836.5	20525	21.92	22	0-1
				844	20600	21.91	22	0-1
				829	20450	21.58	22	0-1
			49	836.5	20525	21.98	22	0-1
				844 829	20600 20450	21.96 20.67	22 21	0-1 0-2
10	16-QAM		0	836.5	20450	20.87	21	0-2
			-	844	20600	20.83	21	0-2
				829	20450	20.65	21	0-2
		25 RB	12	836.5	20525	20.65	21	0-2
				844	20600	20.94	21	0-2
			25	829 836.5	20450 20525	20.65 20.73	21 21	0-2
			20	844	20600	20.91	21	0-2
				829	20450	20.63	21	0-2
		50	0RB	836.5	20525	20.75	21	0-2
				844	20600	20.99	21	0-2
			0	829 836.5	20450 20525	21.76 21.84	22 22	0-1 0-1
			5	844	20525	21.84	22	0-1
				829	20450	21.49	22	0-1
		1 RB	25	836.5	20525	21.88	22	0-1
				844	20600	21.87	22	0-1
			49	829	20450	21.57	22	0-1
			49	836.5 844	20525 20600	21.96 21.92	22 22	0-1 0-1
				829	20000	20.63	21	0-2
	64-QAM		0	836.5	20525	20.68	21	0-2
				844	20600	20.82	21	0-2
			10	829	20450	20.63	21	0-2
		25 RB	12	836.5	20525 20600	20.61	21	0-2
				844 829	20600	20.90 20.61	21 21	0-2
			25	836.5	20525	20.72	21	0-2
				844	20600	20.89	21	0-2
				829	20450	20.59	21	0-2
		50	0RB	836.5	20525	20.71	21	0-2
		L		844	20600	20.95	21	0-2

### LTE FDD Band 5 - conducted power table:

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
				826.5	20425	22.54	23	0	
			0	836.5	20525	22.73	23	0	
				846.5	20625	22.78	23	0	
				826.5	20425	22.58	23	0	
		1 RB	12	836.5	20525	22.62	23	0	
				846.5	20625	22.90	23	0	
				826.5	20425	22.60	23	0	
			24	836.5	20525	22.88	23	0	
				846.5	20625	22.73	23	0	
				826.5	20425	21.51	22	0-1	
	QPSK		0	836.5	20525	21.71	22	0-1	
				846.5	20625	21.91	22	0-1	
				826.5	20425	21.70	22	0-1	
		12 RB	6	836.5	20525	21.65	22	0-1	
			-	846.5	20625	21.90	22	0-1	
				826.5	20425	21.63	22	0-1	
			13	836.5	20525	21.75	22	0-1	
			10	846.5	20625	21.90	22	0-1	
				826.5	20025	21.66	22	0-1	
		21	5RB	836.5	20425	21.00	22	0-1	
		23							
				846.5	20625	21.91	22	0-1	
			0	826.5	20425	21.49	22	0-1	
			0	836.5	20525	21.91	22	0-1	
		1 RB		846.5	20625	21.94	22	0-1	
					826.5	20425	21.97	22	0-1
			12	836.5	20525	21.93	22	0-1	
				846.5	20625	21.99	22	0-1	
				826.5	20425	21.52	22	0-1	
			24	836.5	20525	21.93	22	0-1	
				846.5	20625	21.73	22	0-1	
				826.5	20425	20.59	21	0-2	
5	16-QAM		0	836.5	20525	20.75	21	0-2	
				846.5	20625	20.98	21	0-2	
				826.5	20425	20.65	21	0-2	
		12 RB	6	836.5	20525	20.72	21	0-2	
				846.5	20625	20.93	21	0-2	
				826.5	20425	20.67	21	0-2	
			13	836.5	20525	20.87	21	0-2	
				846.5	20625	20.89	21	0-2	
			•	826.5	20425	20.75	21	0-2	
		25	5RB	836.5	20525	20.65	21	0-2	
		-		846.5	20625	20.95	21	0-2	
				826.5	20425	21.45	22	0-1	
			0	836.5	20525	21.90	22	0-1	
				846.5	20625	21.92	22	0-1	
				826.5	20025	21.93	22	0-1	
		1 RB	12	836.5	20425	21.89	22	0-1	
				846.5	20525	21.95	22	0-1	
				826.5	20625	21.95	22	0-1	
			24				22	0-1	
			24	836.5	20525	21.91			
				846.5	20625	21.69	22	0-1	
	64 0 4 14			826.5	20425	20.55	21	0-2	
	64-QAM		0	836.5	20525	20.71	21	0-2	
				846.5	20625	20.97	21	0-2	
		40.00		826.5	20425	20.63	21	0-2	
		12 RB	6	836.5	20525	20.68	21	0-2	
				846.5	20625	20.89	21	0-2	
				826.5	20425	20.63	21	0-2	
			13	836.5	20525	20.86	21	0-2	
				846.5	20625	20.87	21	0-2	
				826.5	20425	20.71	21	0-2	
		25	5RB	836.5	20525	20.61	21	0-2	
		1		846.5	20625	20.91	21	0-2	

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
				825.5	20415	22.51	23	0	
			0	836.5	20525	22.59	23	0	
				847.5	20635	22.86	23	0	
				825.5	20415	22.62	23	0	
		1 RB	7	836.5	20525	22.72	23	0	
				847.5	20635	22.94	23	0	
				825.5	20415	22.63	23	0	
			14	836.5	20525	22.83	23	0	
				847.5	20635	22.72	23	0	
				825.5	20415	21.53	22	0-1	
	QPSK		0	836.5	20525	21.74	22	0-1	
				847.5	20635	21.95	22	0-1	
				825.5	20415	21.60	22	0-1	
		8 RB	4	836.5	20525	21.65	22	0-1	
		0110		847.5	20635	21.00	22	0-1	
				825.5	20035	21.61	22	0-1	
			7	836.5	20525	21.84	22	0-1	
							22	0-1	
			1	847.5	20635	21.92			
		<u>،</u> ا		825.5	20415	21.57	22	0-1	
		1:	5RB	836.5	20525	21.71	22	0-1	
	-		1	847.5	20635	21.84	22	0-1	
			-	825.5	20415	21.69	22	0-1	
			0	836.5	20525	21.97	22	0-1	
		1 RB			847.5	20635	21.96	22	0-1
						825.5	20415	21.73	22
			7	836.5	20525	21.96	22	0-1	
				847.5	20635	21.95	22	0-1	
				825.5	20415	21.90	22	0-1	
			14	836.5	20525	21.96	22	0-1	
				847.5	20635	21.98	22	0-1	
				825.5	20415	20.66	21	0-2	
3	16-QAM		0	836.5	20525	20.83	21	0-2	
				847.5	20635	20.91	21	0-2	
		8 RB		825.5	20415	20.57	21	0-2	
			4	836.5	20525	20.71	21	0-2	
				847.5	20635	20.91	21	0-2	
				825.5	20415	20.69	21	0-2	
			7	836.5	20525	20.78	21	0-2	
				847.5	20635	20.98	21	0-2	
				825.5	20035	20.64	21	0-2	
		14	5RB	836.5	20525	20.77	21	0-2	
				847.5	20525	20.77	21	0-2	
				825.5	20635	20.87	21	0-2	
			0			21.65	22	0-1	
			0	836.5 847.5	20525	21.96	22	0-1	
					20635				
		1 00	-	825.5	20415	21.69	22	0-1	
		1 RB	7	836.5	20525	21.92	22	0-1	
				847.5	20635	21.91	22	0-1	
				825.5	20415	21.89	22	0-1	
			14	836.5	20525	21.94	22	0-1	
				847.5	20635	21.94	22	0-1	
				825.5	20415	20.62	21	0-2	
	64-QAM		0	836.5	20525	20.79	21	0-2	
				847.5	20635	20.90	21	0-2	
				825.5	20415	20.55	21	0-2	
		8 RB	4	836.5	20525	20.67	21	0-2	
				847.5	20635	20.87	21	0-2	
				825.5	20415	20.65	21	0-2	
			7	836.5	20525	20.77	21	0-2	
				847.5	20635	20.96	21	0-2	
				825.5	20035	20.60	21	0-2	
				020.0	20110	20.00		~ ~ ~	
		14	5RB	836.5	20525	20.73	21	0-2	

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				824.7	20407	22.42	23	0
			0	836.5	20525	22.61	23	0
				848.3	20643	22.80	23	0
				824.7	20407	22.49	23	0
		1 RB	2	836.5	20525	22.63	23	0
				848.3	20643	22.80	23	0
			_	824.7	20407	22.49	23	0
			5	836.5	20525	22.68	23	0
				848.3	20643	22.70	23	0
	ODOK		0	824.7	20407	22.51	23	0
	QPSK		0	836.5	20525	22.63	23	0
				848.3	20643	22.75	23	0
		3 RB	2	824.7	20407	22.52	23	0
		JKD	2	836.5	20525	22.65	23	0
				848.3 824.7	20643 20407	22.87 22.51	23 23	0
			3	836.5	20407	22.64	23	0
			5	848.3	20525	22.80	23	0
				824.7	20043	21.41	23	0-1
		6	RB	836.5	20525	21.65	22	0-1
		Š		848.3	20643	21.77	22	0-1
				824.7	20407	21.51	22	0-1
			0	836.5	20525	21.54	22	0-1
		1 RB	-	848.3	20643	21.96	22	0-1
				824.7	20407	21.45	22	0-1
			2	836.5	20525	21.94	22	0-1
				848.3	20643	21.96	22	0-1
				824.7	20407	21.45	22	0-1
			5	836.5	20525	21.84	22	0-1
				848.3	20643	21.97	22	0-1
				824.7	20407	21.50	22	0-1
1.4	16-QAM		0	836.5	20525	21.71	22	0-1
				848.3	20643	21.82	22	0-1
				824.7	20407	21.62	22	0-1
		3 RB	2	836.5	20525	21.64	22	0-1
				848.3	20643	21.91	22	0-1
				824.7	20407	21.53	22	0-1
			3	836.5	20525	21.69	22	0-1
				848.3	20643	21.81	22	0-1
			RB	824.7	20407	20.51	21	0-2
		0	KD	836.5	20525	20.64	21	0-2
				848.3	20643	20.91	21 22	0-2
			0	824.7 836.5	20407 20525	21.47 21.53	22	0-1
			0	848.3	20525	21.55	22	0-1
				824.7	20043	21.94	22	0-1
		1 RB	2	836.5	20407	21.41	22	0-1
			-	848.3	20525	21.90	22	0-1
				824.7	20043	21.44	22	0-1
			5	836.5	20525	21.82	22	0-1
				848.3	20643	21.93	22	0-1
				824.7	20407	21.46	22	0-1
	64-QAM		0	836.5	20525	21.67	22	0-1
				848.3	20643	21.81	22	0-1
				824.7	20407	21.60	22	0-1
		3 RB	2	836.5	20525	21.60	22	0-1
				848.3	20643	21.87	22	0-1
				824.7	20407	21.49	22	0-1
			3	836.5	20525	21.68	22	0-1
				848.3	20643	21.79	22	0-1
				824.7	20407	20.47	21	0-2
		6	RB	836.5	20525	20.60	21	0-2
				848.3	20643	20.87	21	0-2

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				FDD	Band 7				
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
				2510	20850	22.87	23.5	0	
			S SIZE         RB Onset         (MHz)           0         2510         2560           2510         2560         2560           2510         2560         2560           99         2535         2560           2510         2560         2560           0         2535         2560           250         2560         2560           250         2560         2560           250         2560         2510           0         2535         2560           250         2510         2535           2500         2510         2535           2560         2510         2535           2560         2510         2535           2560         2535         2560           2510         2535         2560           0         2535         2560           2510         2535         2560           2510         2535         2560           2510         2535         2560           2510         2535         2560           2510         2535         2560           2510         2535         2560	21100	22.96	23.5	0		
		1 RB       0         1 RB       50         50 RB       25         50 RB       25         100RB       0         1 RB       50         1 RB       50         50 RB       25         50 RB       25         1 RB       50         50 RB       25         50 RB       25         1 RB       50         100RB       0         1 RB       50         1 RB       50         0 1 00       50         1 RB       50         0 0       50         1 00       50         0 0       50         0 0       50         0 0       50         0 0       50         0 0       50         0 0       50         0 0       50         0 0       0		2560	21350	22.88	23.5	0	
				2510	20850	22.69	23.5	0	
			50	2535	21100	22.76	23.5	0	
			0           50           99           0           8           50           99           0           RB           25           50           100RB           0           RB           50           99           0           RB           50           99           0           RB           50           100RB           0           RB           50           100RB           0           RB           50           99           0           RB           25           50           100RB           0           RB           50           99           99	2560	21350	22.61	23.5	0	
				2510	20850	22.95	23.5	0	
			99	Prequency (MHz)         Channel 200000 (dBm)         Power + Max. Tolerance (dBm)           2510         20850         22.87         23.5           2535         21100         22.96         23.5           2560         21350         22.88         23.5           25510         20850         22.69         23.5           2550         211350         22.61         23.5           2550         21350         22.61         23.5           2550         21350         22.54         23.5           2510         20850         21.25         22.5           2510         20850         21.25         22.5           2510         20850         21.42         22.5           2510         20850         21.42         22.5           2510         20850         21.43         22.5           2510         20850         21.43         22.5           2510         20850         21.44         22.5           2510         20850         21.41         22.5           2510         20850         21.59         22.5           2510         20850         21.59         22.5           2510         20850	0				
			S120       RB Offset         0       0         RB       50         99       0         0       25         0       25         50       0         100RB       0         0       0 <td></td> <td></td> <td></td> <td></td> <td></td>						
	QPSK		0						
		50 00							
		50 RB	25						
				2535         21100         21.47         22.5           2560         21350         21.20         22.5           2510         20850         21.43         22.5           2535         21100         21.44         22.5           2535         21100         21.44         22.5           2535         21100         21.44         22.5           2510         20850         21.40         22.5           2535         21100         21.41         22.5           2560         21350         21.14         22.5           2510         20850         21.59         22.5           2550         21350         21.14         22.5           2510         20850         21.59         22.5           2550         21350         21.51         22.5           2560         21350         21.51         22.5           2510         20850         21.56         22.5           2560         21350         21.08         22.5           2510         20850         21.98         22.5           2510         20850         21.98         22.5           2510         20850         21.98					
			50						
			50						
								-	
		10	2510         20850         21.40           100RB         2535         21100         21.41           2560         21350         21.14           2560         20850         21.59           0         2535         21100         21.59           2560         21350         21.59           0         2535         21100         21.75           2560         21350         21.51           2510         20850         21.56						
		10						-	
			0						
			0						
		1 RB	50						
			00						
			99					-	
								per 3GPP(dB)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0.1           0.2           0.2           0.2           0.2           0.2           0.2           0.2<	
20	16-QAM	50 RB	0					0-2	
				2560	21350	20.77	21.5	0-2	
					2510	20850	20.96	21.5	0-2
			50 RB 25	2535	21100	20.91	21.5	0-2	
									-
				2510	20850	20.90	21.5	0-2	
			50						
		10	0RB						
			0						
			U					0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1	
		1 PP	50						
		I KD	50						
			ga		04400	04.00	00.5	0.4	
			33						
	16-QAM		0						
			5						
		50 RB	25						
			•						
			-						
			50						
		10	0RB	2535	21100	20.90	21.5	0-2	
		100	100RB	2560	21350	20.69	21.5	0-2	

## LTE FDD Band 7 - conducted power table:

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)			
				2507.5	20825	22.82		0			
			0		21100	22.83		APP + MIAX.         per 3GPP(dB)           ance (dBm)         per 3GPP(dB)           23.5         0           23.5         0           23.5         0           23.5         0           23.5         0           23.5         0           23.5         0           23.5         0           23.5         0           23.5         0           23.5         0           23.5         0           23.5         0           23.5         0           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1           22.5         0-1     <			
						22.73					
						22.85					
		1 RB	RB Offset         2           0         2           36         2           74         2           0         2           74         2           0         2           18         2           37         2           75RB         2           0         2           36         2           75RB         2           0         2           18         2           36         2           74         2           0         2           36         2           74         2           0         2           37         2           37         2           37         2           37         2           37         2           36         2           36         2           36         2           36         2           36         2           36         2           36         2           36         2           36         2			22.80					
						22.61					
						22.91					
			74			22.86					
						22.57		per 3GPP(dB)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2			
			0           36           74           0           37           75RB           0           36           74           0           37           75RB           0           36           74           0           36           74           0           36           74           0           36           37           75RB           0           36           74           0           36           74           0           36           74           0			21.85					
	QPSK		0								
	di on		Ű								
		36 RB	18								
		30 10	10								
							$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
			27								
			37								
								Minic Allowed per 3GPP(dB)           23.5         0           22.5         0           22.5         0           22.5         0           22.5         0           22.5         0           22.5         0           22.5         0           22.5         0           22.5         0           22.5         0           22.5         0           22.5         0			
					(MHz)         Chainlei           2507.5         20825           2535         21100           262.5         21375           2507.5         20825           2535         21100           2562.5         21375           2507.5         20825           2535         21100           2562.5         21375           2507.5         20825           2535         21100           2562.5         21375           2507.5         20825           2535         21100           2562.5         21375           2507.5         20825           2535         21100           2562.5         21375           2507.5         20825           2535         21100           2562.5         21375           2507.5         20825           2535         21100           2562.5         21375           2507.5         20825           2535         21100           2562.5         21375           2507.5         20825           2535         21100           2562.5         21375						
		75	окв								
			0	2535	21100	21.92	22.5	0-1			
				2562.5	21375	21.53	22.5	0-1			
				2507.5	20825	21.49	22.5	0-1			
		1 RB	36	2535	21100	21.62	22.5	0-1			
				2562.5	21375	21.40	22.5	0-1			
				2507.5	20825	21.68	22.5	0-1			
			74		21100			0-1			
15	16-QAM		0								
			ů					per 3GPP(dB)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1			
		36 RB	18								
		00110	10								
								0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1           0.2         0.2           0.2         0.2           0.2         0.2           0.2         0.2           0.2         0.2           0.2         0.2           0.1         0.1           0.1         0.1           0.1         0.1           0.1         0.1			
			27								
			57								
								0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1 <t< td=""></t<>			
		73	ORB					0           0           0           0           0.1           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.1           0.1           0.1           0.1           0.1           0.1           0.1			
			0					0 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-			
				2562.5		21.51					
				2507.5		21.45					
		1 RB	36	2535	21100	21.58	22.5	0-1			
				2562.5	21375	21.36	22.5	0-1			
				2507.5	20825	21.67	22.5	0-1			
			74	2535		21.42	22.5	0-1			
				2562.5	21375						
						20.81					
	64-QAM		0			20.97					
			RB         2562.5         21375         21.73         22.5         0           18         2507.5         20825         21.99         22.5         0           2507.5         20825         21.94         22.5         0           2507.5         20825         21.94         22.5         0           2507.5         20825         21.94         22.5         0           2507.5         20825         21.94         22.5         0           2507.5         20825         21.88         22.5         0           2507.5         20825         21.63         22.5         0           2507.5         20825         21.63         22.5         0           2507.5         20825         21.63         22.5         0           2507.5         20825         21.63         22.5         0           2507.5         20825         21.49         22.5         0           2507.5         20825         21.49         22.5         0           2507.5         20825         21.68         22.5         0           2507.5         20825         21.80         22.5         0           2507.5         20825 <td></td> <td></td> <td></td> <td></td> <td></td>								
		36 RB									
		0010	10								
			27								
			3/								
			L								
		75	ъКВ								
		1		2562.5	21375	20.71	21.5	0-2			

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				2505	20800	22.57	23.5	0
			0	2535	21100	22.60	23.5	0
				2565	21400	22.49	23.5	0
				2505	20800	22.54	23.5	0
		1 RB	25	2535	21100	22.86	23.5	0
				2565	21400	22.36	23.5	0
				2505	20800	22.65	23.5	0
			49	2535	21100	22.57	23.5	0
				2565	21400	22.37		0
				2505	20800	21.56		
	QPSK		0	2535	21100	21.64		
			-	2565	21400	21.37		
				2505	20800	21.62		
		25 RB	12	2535	21100	21.72		
				2565	21400	21.37		
				2505	20800	21.61		
			25	2535	21100	21.66		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
			20	2565	21400	21.00		
				2505	20800	21.59		
		50	RB	2535	20800	21.59		
		50		2535				
					21400	21.38	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
			0	2505	20800 21100	21.91		
			0	2535		21.96		
				2565	21400	21.60		
		4.00	25	2505	20800	21.43		
		1 RB	25	2535	21100	21.83		
				2565	21400	21.53		
				2505	20800	21.65		
			49	2535	21100	21.50		
				2565	21400	21.23	22.5	0-1
				2505	20800	20.57	21.5	0-2
10	16-QAM		0	2535	21100	20.64	21.5	0-2
				2565	21400	20.38	21.5	0-2
				2505	20800	20.70	21.5	0-2
		25 RB	12	2535	21100	20.66	21.5	0-2
				2565	21400	20.38		
				2505	20800	20.65		
			25	2535	21100	20.59		
				2565	21400	20.42		
				2505	20800	20.63		
		50	RB	2535	21100	20.05		
				2565	21400	20.30		0 0 0 0 0 0 0-1 0-1 0-1 0-1 0-
				2505	20800	20.40	21.5	
			0	2505	20800	21.87	22.5	
			5	2555			22.5	
					21400	21.58		per 3GPP(dB)           0 <t< td=""></t<>
		1 RB	25	2505	20800	21.39	22.5	
		IKB	20	2535	21100	21.79	22.5	
				2565	21400	21.49	22.5	
			40	2505	20800	21.64	22.5	
			49	2535	21100	21.48	22.5	
				2565	21400	21.18	22.5	÷ .
			<i>.</i>	2505	20800	20.51	21.5	
	64-QAM		0	2535	21100	20.62	21.5	
				2565	21400	20.36	21.5	
				2505	20800	20.68	21.5	
		25 RB	12	2535	21100	20.62	21.5	0-2
				2565	21400	20.34	21.5	0-2
				2505	20800	20.61	21.5	0-2
			25	2535	21100	20.58	21.5	
				2565	21400	20.40	21.5	
				2505	20800	20.59	21.5	
1						20.00	20	~ ~ ~
		50	RB	2535	21100	20.54	21.5	0-2

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
				2502.5	20775	22.71	23.5	0	
			0	2535	21100	22.68	23.5	Max. per (dBm)         MPR Allowed per 3GPP(dB)           1.5         0	
				2567.5	21425	22.60	23.5	0	
				2502.5	20775	22.79	23.5	0	
		1 RB	12	2535	21100	22.80	23.5	0	
				2567.5	21425	22.38	23.5	0	
				2502.5	20775	22.75	23.5	0	
			24	2535	21100	22.82	23.5	0	
				2567.5	21425	22.53	23.5	per 3GPP(dB)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2	
				2502.5	20775	21.73	22.5	0-1	
	QPSK		0	2535	21100			0-1	
				2567.5	21425			0-1	
				2502.5	20775				
		12 RB	6	2535	21100				
			ů	2567.5	21425	Conducted power (dBm)         Power + Max. Tolerance (dBm)         Mirr Allo per 3GPP           75         22.71         23.5         0           00         22.68         23.5         0           25         22.60         23.5         0           00         22.80         23.5         0           00         22.80         23.5         0           00         22.80         23.5         0           00         22.82         23.5         0           00         22.82         23.5         0           00         22.82         23.5         0           00         21.93         22.5         0-1           00         21.93         22.5         0-1           25         21.53         22.5         0-1           00         21.93         22.5         0-1           01         21.84         22.5         0-1           00         21.85         22.5         0-1           125         21.56         22.5         0-1           125         21.57         22.5         0-1           125         21.74         22.5         0-1           125			
				2502.5	20775				
			13	2535	21100				
				2567.5	21425				
			1	2507.5	20775				
		21	NB Oliset       0       12       24       0       6       13       RB       0       12       24       0       6       13       24       0       6       12       24       0       6       12       24       0       12       24       0       12       24       13						
		23		2535	21100				
		1	1	2567.5	21425				
			<u> </u>	2502.5	20775				
			0	2535	21100				
				2567.5	21425				
				2502.5	20775	21.84		0-1	
		1 RB	12	2535	21100	21.92	22.5	0-1	
				2567.5	21425	21.35	22.5	0-1	
				2502.5	20775	21.57	22.5	0-1	
			24	2535	21100	21.60	22.5	0-1	
				2567.5	21425	21.37	22.5	0-1	
				2502.5	20775	20.86	21.5	0-2	
5	16-QAM		0	2535	21100			0           0	
				2567.5	21425	20.53			
					2502.5	20775			0           0
		12 RB	6	2535	21100				
			-	2567.5	21425			per 3GPP(dB)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2<	
				2502.5	20775				
			13	2535	21100				
				2567.5	21425			0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1 <t< td=""></t<>	
				2502.5	20775				
		24	5RB	2535	21100				
		2.		2567.5	21100			0 0 0-1 0-1 0-1 0-1 0-1 0-1 0-1	
			0	2502.5	20775				
			U	2535	21100				
				2567.5	21425				
				2502.5	20775				
		1 RB	12	2535	21100				
				2567.5	21425				
				2502.5	20775				
			24	2535	21100	21.58	22.5	0-1	
				2567.5	21425	21.32	22.5	0-1	
				2502.5	20775	20.80	21.5	0-2	
	64-QAM		0	2535	21100	20.89	21.5	0-2	
				2567.5	21425	20.51	21.5	0-2	
				2502.5	20775			0-2	
		12 RB	6	2535	21100			0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1	
			-	2567.5	21425				
				2502.5	20775				
						20.10			
			13		21100	20 00	21.5	0-2	
			13	2535	21100	20.90	21.5		
			13	2535 2567.5	21425	20.51	21.5	0-2	
			13 5RB	2535				0-2 0-2	

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	-			FDD	Band 12			-
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	
				704	23060	22.55	23	0
			0	707.5	23095	22.65	23	0
		1 RB 25 RB		711	23130	22.98	23	0
				704	23060	22.91	23	0
		25 RB 5 1 RB 25 RB	25	707.5	23095	22.85	23	0
				711	23130	22.76	23	0
				704	23060	22.93	23	0
			49		23095	22.84	23	
					23130	22.95	23	
	0.001/				23060	21.83	22	
	QPSK		0		23095	21.74	22	
					23130	21.79	22	
		25 DD	10		23060	21.88	22	
		20 KD	12		23095 23130	21.92 21.87	22 22	
			0         707.5           711         704           25         711           704         707.5           711         704           49         707.5           711         704           49         707.5           711         704           0         707.5           711         704           3         12           704         707.5           711         704           25         707.5           711         704           25         707.5           711         704           50RB         707.5           711         704           49         707.5           711         704           49         707.5           711         704           3         12           704         707.5           711         704           3         12           704         707.5           711         704           50RB         701           704         707.5           711         704		23130	21.82	22	
			25		23060	21.85	22	
			20		23095	21.85	22	
					23060	21.80	22	
		50	RB		23095	21.81	22	
					23130	21.77	22	
ľ					23060	21.99	22	
			0		23095	21.83	22	
			-		23130	21.93	22	
					23060	21.99	22	
		1 RB	25		23095	21.98	22	
					23130	21.70	22	0-1
					23060	21.90	22	0-1
			49		23095	21.87	22	0-1
				711	23130	21.91	22	0-1
				704	23060	20.71	21	0           0
10	16-QAM		0	707.5	23095	20.75	21	0-2
		25 RB		711	23130	20.84	21	0-2
				704	23060	20.78	21	0-2
			25 RB	25 RB 12		23095	20.90	21
					23130	20.87	21	
			05		23060	20.82	21	
			25		23095	20.90	21	
					23130	20.89	21	
			חח		23060	20.80	21	
		50	JKB		23095	20.97	21	
					23130	20.78	21	
			0		23060 23095	21.95	22 22	
			0		23095	21.81 21.89	22	
					23130	21.89	22	
		1 RB	25	704	23060	21.95	22	
			20	707.5	23095	21.66	22	
				704	23060	21.87	22	
			49	707.5	23095	21.83	22	
				711	23130	21.86	22	
				704	23060	20.65	21	0           0
	64-QAM		0	707.5	23095	20.73	21	
				711	23130	20.82	21	
				704	23060	20.76	21	
		25 RB	12	707.5	23095	20.86	21	
				711	23130	20.83	21	
				704	23060	20.78	21	
			25	707.5	23095	20.89	21	0-2
				711	23130	20.87	21	0-2
				704	23060	20.76	21	0-2
		50	RB	707.5	23095	20.93	21	0-2
		506		711	23130	20.74	21	0-2

### LTE FDD Band 12 - conducted power table:

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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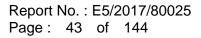
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				701.5	23035	22.69	23	0
			0	707.5	23095	22.74	23	0
				713.5	23155	22.69	23	0
				701.5	23035	22.69	23	0
		1 RB	12	707.5	23095	22.84	23	0
				713.5	23155	22.76	23	0
				701.5	23035	22.71	23	0
			24	707.5	23095	22.79	23	0
				713.5	23155	22.88	23	0
				701.5	23035	21.64	22	0-1
	QPSK		0	707.5	23095	21.72	22	0-1
				713.5	23155	21.85	22	0-1
				701.5	23035	21.76	22	0-1
		12 RB	6	707.5	23095	21.86	22	0-1
				713.5	23155	21.87	22	0-1
				701.5	23035	21.80	22	0-1
			13	707.5	23095	21.77	22	0-1
				713.5	23155	21.84	22	0-1
				701.5	23035	21.74	22	0-1
		25	5RB	707.5	23095	21.83	22	0-1
				713.5	23155	21.87	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
				701.5	23035	21.78	22	0-1
			0	707.5	23095	21.87		
				713.5	23155	21.75	22	0-1
				701.5	23035	21.85	22	0-1
		1 RB	12	707.5	23095	21.93	22	0-1
				713.5	23155	21.95	22	0-1
				701.5	23035	21.98	22	0-1
			24	707.5	23095	21.93	22	0-1
				713.5	23155	22.00	22	0-1
				701.5	23035	20.70	21	0-2
5	16-QAM		0	707.5	23095	20.77	21	0-2
				713.5	23155	20.94	21	0-2
				701.5	23035	20.84	21	0-2
		12 RB	6	707.5	23095	20.90	21	0-2
						20.86		
						20.77	21	0-2
			13			20.84	21	0-2
								0-2
		25	5RB					
			-	713.5	23155	20.88	21	0-2
								0-1
			0	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	0-1			
					23035         22.69         23         0           23095         22.84         23         0           23035         22.76         23         0           23035         22.71         23         0           23035         22.79         23         0           23035         21.64         22         0-1           23035         21.72         22         0-1           23035         21.76         22         0-1           23035         21.76         22         0-1           23035         21.86         22         0-1           23035         21.86         22         0-1           23035         21.80         22         0-1           23035         21.81         22         0-1           23035         21.81         22         0-1           23035         21.83         22         0-1           23035         21.87         22         0-1           23035         21.87         22         0-1           23035         21.87         22         0-1           23035         21.87         22         0-1           23035			
		1 RB	12					
			24					
	64-QAM		0					
		10.55						
		12 RB	6					
				713.5				
				701.5				
			13	707.5				
				713.5				
				701.5				
		25	5RB	707.5				
				713.5	23155	20.84	21	0-2

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				700.5	23025	22.49	23	0
			0	707.5	23095	22.68	23	0
				714.5	23165	22.77	23	0
				700.5	23025	22.66	23	0
		1 RB	0       3     7       14     0       3     4       7     15RB       0     3       3     7       15RB     0       3     7       14     0       3     7       14     0       3     7       14     0       3     7       15RB     0       3     7       15RB     14	707.5	23095	22.72	23	0
				714.5	23165	22.89	23	0
				700.5	23025	22.61	23	0
			14	707.5	23095	22.68	23	0
				714.5	23165	22.70	23	0
				700.5	23025	21.55	22	per 3GPP(dB) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	QPSK		0	707.5	23095	21.77	22	0-1
				714.5	23165	21.72	22	0-1
				700.5	23025	21.70	22	0-1
		8 RB	4	707.5	23095		22	0-1
		-		714.5				
				700.5				
			7	707.5				
				714.5				
			I	700.5				
		15RB		707.5				
				707.5				
			r					
			0	700.5				
			0	707.5				
				714.5				
			_	700.5				
		1 RB	7	707.5				
				714.5	23165			0-1
				700.5	23025	21.83	22	0-1
			14	707.5	23095	21.98	22	0-1
				714.5	23165	21.90	22	0-1
				700.5	23025	20.62	21	0           0
3	16-QAM		0	707.5	23095	20.85	21	0-2
				714.5	23165	20.78	21	0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0.1           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2
				700.5	23025		21	0-2
		8 RB	4	707.5	23095		21	0           0
		-		714.5				
				700.5				
			7	707.5				
				714.5				
		14	SRB					
			0					
			0					
		4 00	-					
		1 RB						
			14					0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2
				714.5	23165	21.85	22	
				700.5		20.56	21	
	64-QAM		0	707.5	23095	20.83	21	0-2
				714.5	23165	20.76	21	0-2
				700.5	23025	Prime         power (dBm)         POWER + Max. Tolerance (dBm)         per 3GPP(dB)           23025         22.49         23         0           23095         22.68         23         0           23025         22.66         23         0           23025         22.61         23         0           23025         22.61         23         0           23025         22.63         23         0           23025         22.155         22         0-1           23025         21.77         22         0-1           23025         21.70         22         0-1           23025         21.71         22         0-1           23025         21.71         22         0-1           23025         21.71         22         0-1           23025         21.71         22         0-1           23025         21.65         22         0-1           2305         21.74         22         0-1           2305         21.86         22         0-1           2305         21.81         22         0-1           2305         21.82         22         0-1		
		8 RB	15RB         707.5         23095         20.82         21           714.5         23165         20.75         21           700.5         23025         21.55         22           707.5         23095         21.96         22           714.5         23165         21.96         22           700.5         23025         21.87         22           7         707.5         23095         21.87         22           7         707.5         23095         21.88         22           7         707.5         23095         21.88         22           7         707.5         23095         21.88         22           14         707.5         23095         21.94         22           14         707.5         23095         21.94         22           14         707.5         23095         20.83         21           0         707.5         23095         20.83         21           14         707.5         23095         20.82         21           14         707.5         23095         20.82         21           14         707.5         23095         20.82	0-2				
			7					
				714.5				
			I	700.5				
				100.0	20020	20.01	<u>د</u> ا	0-2
		14	5RB	707.5	23005	20.78	21	0-2

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				699.7	23017	22.60	23	0
			0	707.5	23095	22.68	23	0
				715.3	23173	22.66	23	0
				699.7	23017	22.66	23	0
		1 RB	2	707.5	23095	22.82	23	0
				715.3	23173	22.82	23	
			_	699.7	23017	22.57	23	-
			5	707.5	23095	22.77	23	
			<ul> <li>0</li> <li>2</li> <li>5</li> <li>0</li> <li>2</li> <li>3</li> <li>6RB</li> <li>0</li> <li>2</li> <li>3</li> <li>6RB</li> <li>0</li> <li>2</li> <li>5</li> <li>0</li> <li>5</li> <li>0</li> <li>5</li> <li>0</li> <li>1</li> <li>2</li> <li>5</li> <li>0</li> <li>5</li> <li>0</li> <li>1</li> <li>5</li> <li>0</li> <li>1</li> <l< td=""><td>715.3</td><td>23173</td><td>22.67</td><td>23</td><td></td></l<></ul>	715.3	23173	22.67	23	
	QPSK		0	699.7	23017 23095	22.65	23 23	
	QFSK		0	707.5 715.3	23095	22.81 22.74	23	
				699.7	23173	22.66	23	
		3 RB	2	707.5	23095	22.82	23	
		OILD	-	715.3	23173	22.84	23	
				699.7	23017	22.64	23	
			3	707.5	23095	22.78	23	
			-	715.3	23173	22.82	23	
			•	699.7	23017	21.68	22	0-1
		6	RB	707.5	23095	21.78	22	0-1
				715.3	23173	21.76	22	0-1
				699.7	23017	21.94	22	0-1
			0	707.5	23095	21.87	22	0-1
				715.3	23173	21.63	22	0-1
				699.7	23017	21.87	22	0-1
		1 RB	2	707.5	23095	21.98	22	0-1
				715.3	23173	21.93	22	0-1
				699.7	23017	21.96		
			5	707.5	23095	21.92		
				715.3	23173	21.95		
	40.0414		0	699.7	23017	21.64		
1.4	16-QAM		0	707.5	23095	21.84		
				715.3 699.7	23173 23017	21.79 21.66		
		3 RB	2	707.5	23017	21.87		
		310	2	715.3	23095	21.87		
				699.7	23017	21.52		
			3	707.5	23095	21.81		0           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1
			-	715.3	23173	21.59		
				699.7	23017	20.66	21	
		6	RB	707.5	23095	20.84	21	0-2
				715.3	23173	20.76	21	0-2
				699.7	23017	21.90	22	
			0	707.5	23095	21.85	22	
				715.3	23173	21.59	22	
		4.55		699.7	23017	21.83	22	
		1 RB	2	707.5	23095	21.94		
				715.3	23173	21.89		
			F	699.7	23017	21.93		
			5	707.5	23095	21.88		
				715.3	23173	21.90		
	64-QAM		0	699.7 707.5	23017 23095	21.58		
	04-0/10		0	707.5	23095	21.82 21.77		
				699.7	23017	21.64		
		3 RB	2	707.5	23095	21.83		
			-	715.3	23033	21.83	76 $22$ $0-1$ $94$ $22$ $0-1$ $87$ $22$ $0-1$ $87$ $22$ $0-1$ $98$ $22$ $0-1$ $98$ $22$ $0-1$ $98$ $22$ $0-1$ $98$ $22$ $0-1$ $99$ $22$ $0-1$ $96$ $22$ $0-1$ $95$ $22$ $0-1$ $95$ $22$ $0-1$ $96$ $22$ $0-1$ $96$ $22$ $0-1$ $96$ $22$ $0-1$ $84$ $22$ $0-1$ $87$ $22$ $0-1$ $87$ $22$ $0-1$ $87$ $22$ $0-1$ $81$ $22$ $0-1$ $81$ $22$ $0-1$ $84$ $21$ $0-2$ $90$ $22$ $0-1$ $83$ $22$ $0-1$ $84$ $22$ $0-1$ $90$	
				699.7	23017	21.48		
			3	707.5	23095	21.80		
				715.3	23173	21.57		
				699.7	23017	20.62		
		6	RB	707.5	23095	20.80		0-2
				715.3	23173	20.72	21	0-2

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				FDD	Band 17			
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				709	23780	22.74	23	0
			0	710	23790	22.89	23	0
				711	23800	22.98	23	0
				709	23780	22.80	23	0
		1 RB	25	710	23790	22.65	23	0
				711	23800	22.91	23	
		1 RB 25 RB 50 1 RB 25 RB		709	23780	22.97	23	
			49	710	23790	22.90	23	
				711	23800	22.78	23	
				709	23780	21.85	22	
	QPSK		0	710	23790	21.77	22	
				711	23800	21.81	22	-
				709	23780	21.82	22	
		25 RB	12	710	23790	21.93	22	
				711	23800	21.78	22	Max. dBm) 0 0 0 0 0 0 0 0 0
				709	23780	21.88	22	
			25	710	23790	21.92	22	
				711	23800	21.96	22	
				709	23780	21.86	22	
		50	)RB	710	23790	21.80	22	
				711	23800	21.75	22	per 3GPP(dB)           0 <t< td=""></t<>
				709	23780	21.76	22	0           0
			0	710	23790	21.89	22	
				711	23800	21.76	22	
		4.00	05	709	23780	21.75	22	-
		1 RB	25	710	23790	21.94	22	
				711	23800	21.78	22	
			10	709	23780	21.95	22	
			49	710	23790	21.92	22	
				711	23800	21.93	22	-
10	10 0 0 0		0	709	23780	20.77	21	0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2 0-2
10	16-QAM		0	710	23790	20.85	21	
		25 RB		711	23800	20.81	21	
			3 12	709	23780	20.83	21	
				710	23790	20.91	21	
				711	23800	20.86	21	
			25	709 710	23780	20.86 20.99	21 21	
			25	710	23790 23800	20.99	21	
				709			21	
		50	RB	709	23780 23790	20.83 20.99	21	
		50		710	23790	20.99	21	
				709	23780	20.84	21	
			0	709	23780	21.72	22	
			5	710	23790	21.87	22	
				709	23780	21.72	22	
		1 RB	25	710	23790	21.90	22	
			20	710	23790	21.90	22	-
				709	23780	21.92	22	per 3GPP(dB)           0 <t< td=""></t<>
			49	710	23790	21.88	22	
				710	23800	21.88	22	
				709	23780	20.71	21	
	64-QAM		0	710	23790	20.83	21	
	5. 50 101		J	710	23800	20.79	21	
				709	23780	20.81	21	
		25 RB	12	710	23790	20.87	21	
		20110		710	23800	20.82	21	
				709	23780	20.82	21	
			25	710	23790	20.98	21	
			20	710	23790	20.98	21	
				709	23780	20.74	21	
		50	RB	710	23780	20.79	21	
		50R						

# LTE FDD Band 17 - conducted power table:

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				706.5	23755	22.50	23	0
			0 1 RB 12 24 0 2 RB 6 13 25RB 0 1 RB 12 24 0 1 RB 12 24 0 1 Q 1 Q 1 Q 1 Q 1 Q 1 Q 1 Q 1 Q	710	23790	22.63	23	0
				713.5	23825	22.52	23	0
				706.5	23755	22.64	23	-
		1 RB	0 12 24 0 6 13 25RB 0 12 24 0 12 24 0 12 24 0 13 25RB 0 12 24 0 13 25RB 0 12 24 0 12 24 0 12 24 0 12 24 0 13 25 12 13 25 12 13 25 12 13 25 12 13 12 24 0 13 25 13 13 25 13 13 25 13 13 25 13 13 25 13 13 25 13 13 25 13 13 25 13 13 25 13 13 25 13 13 25 13 13 25 13 13 13 25 13 13 13 13 13 13 13 13 13 13	710	23790	22.72	23	
				713.5	23825	22.40		
				706.5	23755	22.43		
			24	710	23790	22.64		per 3GPP(dB) 0 0
				713.5	23825	22.93		
	QPSK		0	706.5	23755	21.66		
	QPSK		0	710	23790 23825	21.67 21.72		
				713.5				
		12 DB	6	706.5	23755	21.66		
			0	710 713.5	23790 23825	21.64 21.77		
					23755	21.77	23       23         23       23         22       22         21       22         21       21         21       21         21       21         21       21         21       21         21       21         21       21         21       21         21       21         21       21         21       21         21       22	
				23790	21.67			
			15	713.5	23790	21.07		
		<b> </b>	1	713.5	23755	21.66		
		25	RB	708.5	23755	21.60		
		2		713.5	23790	21.02		
				713.5	23755	21.92		
			0	710	23790	21.32		
			Ũ	713.5	23825	21.63		
				706.5	23755	21.03		-
		1 RB	12	710	23790	21.95		
			12	713.5	23825	21.98		
				706.5	23755	21.90		
			24	710	23790	21.95		per 3GPP(dB)           0 <t< td=""></t<>
			21	713.5	23825	21.33		
				706.5	23755	20.71		
5	16-QAM		0	710	23790	20.75		1
-			-	713.5	23825	20.78		0           0           0           0           0           0           0           0           0           0           0           0           0           0           0.1           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2
				706.5	23755	20.60		1
		12 RB	6	710	23790	20.69		per 3GPP(dB)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0.1           0.2           0.2           0.2           0.2           0.2           0.2           0.2<
			_	713.5	23825	20.75		
				706.5	23755	20.57		
			13	710	23790	20.64		
				713.5	23825	20.76		
				706.5	23755	20.62		
		25	SRB	710	23790	20.68		
				713.5	23825	20.75		
				706.5	23755	21.88		
			0	710	23790	21.74	22	0-1
				713.5	23825	21.59	22	0-1
				706.5	23755	21.70	22	0-1
		1 RB	12	710	23790	21.91	22	0-1
				713.5	23825	21.94	22	0-1
				706.5	23755	21.88	22	0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1
			24	710	23790	21.91	22	
				713.5	23825	21.72	22	0-1
				706.5	23755	20.65	21	
	64-QAM		0	710	23790	20.73	21	
				713.5	23825	20.76	21	0-2
				706.5	23755	20.58	21	
		12 RB	6	710	23790	20.65	21	
				713.5	23825	20.71	21	
			l .	706.5	23755	20.53	21	
			13	710	23790	20.63	21	
				713.5	23825	20.74	21	
				706.5	23755	20.58	21	
		25	ōRB	710	23790	20.64	21	
				713.5	23825	20.71	21	0-2

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			-	FDD	Band 25							
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)					
				1860	26140	22.78	23	0				
			0	1882.5	26365	22.64	23	0				
				1905	26590	22.99	23	per 3GPP(0B)           0 <t< td=""></t<>				
				1860	26140	22.37	23					
		1 RB	50	1882.5	26365	22.35	23	0				
				1905	26590	22.55	23	per 3GPP(dB)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2				
				1860	26140	22.52	23	0				
			99	1882.5	26365	22.51	23	0				
				1905	26590	22.75	23	0				
				1860	26140	21.46	22	0-1				
	QPSK		0	1882.5	26365	21.56	22	0-1				
				1905	26590	21.85	22	0-1				
				1860	26140	21.48	22	0-1				
		50 RB	25	1882.5	26365	21.47	22	0-1				
				1905	26590	21.83	22	per 3GPP(dB)           0 <t< td=""></t<>				
				1860	26140	21.51	22	0-1				
			50	1882.5	26365	21.38	22	per 3GPP(dB)           0 <t< td=""></t<>				
				1905	26590	21.75	22	0-1				
			-	1860	26140	21.53	22	0-1				
		10	0RB	1882.5	26365	21.49	22	0-1				
				1905	26590	21.90	22	per 3GPP(dB)           0 <t< td=""></t<>				
				1860	26140	21.92	22					
			0	1882.5	26365	21.62	22					
			Ű	1905	26590	21.92	22					
				1860	26140	21.89	22					
		1 RB	50	1882.5	26365	21.45	22					
			50				22					
				1905	26590	21.90						
				1860	26140	21.79	22					
			99	1882.5	26365	22.00	22					
				1905	26590	21.98	22					
				1860	26140	20.41	21	0           0				
20	16-QAM		0	1882.5	26365	20.48	21					
				1905	26590	20.88	21					
			25	1860	26140	20.55	21					
		50 RB		1882.5	26365	20.47	21					
				1905	26590	20.79	21	0-2				
				1860	26140	20.44	21	0-2				
			50	1882.5	26365	20.45	21	0-2				
				1905	26590	20.88	21	0-2				
				1860	26140	20.56	21	0-2				
		10	0RB	1882.5	26365	20.50	21	0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1				
				1905	26590	20.92	21	0-2				
				1860	26140	21.88	22	0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1				
			0	1882.5	26365	21.60	22					
				1905	26590	21.89	22					
				1860	26140	21.85	22					
		1 RB	50	1882.5	26365	21.41	22					
			-	1905	26590	21.86	22					
				1860	26140	21.78	22					
			99	1882.5	26365	21.99	22					
				1905	26590	21.93	22					
				1860	26140	20.35	22					
	64-QAM		0	1882.5	26365	20.35	21					
				1905	26590	20.46	21					
					26590							
		50 00	25	1860		20.52	21					
		50 RB	25	1882.5	26365	20.46	21					
				1905	26590	20.75	21					
				1860	26140	20.40	21					
			50	1882.5	26365	20.44	21					
				1905	26590	20.86	21					
				1860	26140	20.52	21					
		10	0RB	1882.5	26365	20.46	21	0-2				
		1		1905	26590	20.88	21	0-2				

# LTE FDD Band 25 - conducted power table:

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

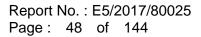
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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
				1857.5	26115	22.58	23	0	
			0	1882.5	26365	22.50	23	0	
				1907.5	26615	22.86	23	0	
				1857.5	26115	22.51	23	0	
		1 RB	36	1882.5	26365	22.44	23	0	
				1907.5	26615	22.66	23	0	
				1857.5	26115	22.47	23	0	
			74	1882.5	26365	22.43	23	0	
				1907.5	26615	22.71	23	<pre>C. per 3GPP(dB)</pre>	
				1857.5	26115	21.55	22	0-1	
	QPSK		0	1882.5	26365	21.52	22	0-1	
				1907.5	26615	21.81	22	0-1	
				1857.5	26115	21.56	22	0-1	
		36 RB	18	1882.5	26365	21.46	22	0-1	
				1907.5	26615	21.76	22	0-1	
				1857.5	26115	21.49	22	0-1	
			37	1882.5	26365	21.39	22	0-1	
				1907.5	26615	21.78	22	0-1	
				1857.5	26115	21.52	22	0-1	
		75	SRB	1882.5	26365	21.44	22		
				1907.5	26615	21.86	22		
				1857.5	26115	21.93	22		
			0	1882.5	26365	21.74	22	0-1	
				1907.5	26615	21.91	22		
				1857.5	26115	21.97	22		
		1 RB	36	1882.5	26365	21.78	22		
				1907.5	26615	21.88	22		
				1857.5	26115	21.67	22		
			74	1882.5	26365	21.94	22		
				1907.5	26615	21.87	22		
				1857.5	26115	20.51	21		
15	16-QAM		0	1882.5	26365	20.56	21		
			-	1907.5	26615	20.91	21		
				1857.5	26115	20.60	21		
		36 RB	18	1882.5	26365	20.54	21		
				1907.5	26615	20.85	21		
				1857.5	26115	20.57	21		
			37	1882.5	26365	20.42	21	0           0           0           0           0           0           0           0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2	
			0.	1907.5	26615	20.83	21		
				1857.5	26115	20.68	21		
		75	SRB	1882.5	26365	20.49	21		
			-	1907.5	26615	20.40	21	0 0 0 0-1 0-1 0-1 0-1 0-1 0-1 0	
				1857.5	26115	21.89	22		
			0	1882.5	26365	21.72	22		
			-	1907.5	26615	21.88	22		
				1857.5	26115	21.93	22		
		1 RB	36	1882.5	26365	21.93	22		
				1907.5	26615	21.84	22		
				1057.5	00115	01.00	22	0.4	
			74	1857.5 1882.5	26115	21.66	22		
				1907.5	26615	21.82	22		
				1857.5	26015	21.82	22		
	64-QAM		0	1857.5	26115	20.45	21		
			0				21		
				1907.5 1857.5	26615	20.87			
		36 RB	18	1857.5	26115	20.57	21		
		30 KD	IÖ	1882.5	26365	20.53	21		
				1907.5	26615	20.81	21		
			27	1857.5	26115	20.53	21		
			37	1882.5	26365	20.41	21		
				1907.5	26615	20.81	21		
		1		1857.5	26115	20.64	21		
			5RB	1882.5	26365	20.45	21		

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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1855	26090	22.78	23	0
			0	1882.5	26365	22.69	23	0
					26640	22.79	23	0
				1855	26090	22.36		0
		1 RB	25	1882.5	26365			0
				1910	26640	22.59	23	0
								0
			49	1882.5	26365	22.59	23	0
				1910	26640	22.72	23	0
					26090			0-1
	QPSK		0					
		25 RB	12	1882.5	26365	21.46	22	0-1
				1910	26640	21.73	22	0-1
				1855	26090	21.50	22	0-1
			25	1882.5	26365	21.39	22	0-1
				1910	26640	21.79	22	0-1
				1855	26090	21.46	22	0-1
		50	)RB	1882.5	26365	21.47	22	0-1
				1910	26640	21.85	22	0-1
				1855	26090	21.84	22	0-1
			0	1882.5	26365	21.89	22	0-1
				1910	26640	21.94	22	0-1
				1855	26090	21.55	22	0-1
	1 RB	25	1882.5	26365	21.54	22	0-1	
				1910	26640	21.99	22	0-1
				1855	26090	21.97	22	0-1
			49			21.76	22	0-1
				1910	26640	21.97	22	0-1
				1855	26090	20.53	21	0-2
10	16-QAM		0					0-2
				1910	26640	20.82	21	0-2
				1855	26090	20.54	21	0-2
		25 RB	12					0-2
			25					
			-					
		50	ORB					
			0			26365         21.45         22         0-1           26640         21.77         22         0-1           26090         21.44         22         0-1           26640         21.73         22         0-1           26640         21.73         22         0-1           26640         21.73         22         0-1           26640         21.79         22         0-1           26640         21.84         22         0-1           26640         21.85         22         0-1           26640         21.85         22         0-1           26640         21.84         22         0-1           26640         21.94         22         0-1           26640         21.94         22         0-1           26640         21.97         22         0-1           26640         21.97         22         0-1           26640         21.97         22         0-1           26640         20.82         21         0-2           26640         20.82         21         0-2           26640         20.87         21         0-2           26640		
			5					
		1 RB	25					
			_0					
			49					
	64-QAM		0         1882.5         26365         22.69         23           1855         26090         22.36         23           25         1882.5         26365         22.31         23           1910         26640         22.59         23         1           1855         26090         22.62         23         1           1910         26640         22.72         23         1           1855         26090         21.43         22         1           1855         26090         21.43         22         1           1855         26090         21.44         22         1           1855         26090         21.44         22         1           12         1882.5         26365         21.46         22         1           12         1882.5         26365         21.44         22         1           12         1882.5         26365         21.47         22         1           1485         26090         21.46         22         1         1           1885         26090         21.84         22         1         1           1885         26090 <t< td=""><td></td></t<>					
			5					
		25 PB	12					
		25 RB	12					
			25					
			20					
								0-2 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
		F	ססו					
		50	JKD					
		[		1910	20040	20.81	∠1	0-2

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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
				1852.5	26065	22.47	23	0	
			0	1882.5	26365	22.29	23	0	
				1912.5	26665	22.71	23	0	
				1852.5	26065	22.37	23	0	
		1 RB	12	1882.5	26365	22.38	23	0	
				1912.5	26665	22.65	23	0	
				1852.5	26065	22.45	23	0	
			24	1882.5	26365	22.35	23	0	
				1912.5	26665	22.60	23	0	
				1852.5	26065	21.50	22	0-1	
	QPSK		0	1882.5	26365	21.42	22	0-1	
				1912.5	26665	21.80	22	0-1	
				1852.5	26065	21.44	22	0-1	
		12 RB	6	1882.5		21.41	22	0-1	
				1912.5			22	0-1	
				1852.5	26065	21.46	22	0-1	
			13	1882.5	M12.5       26665       22.60       23         M25.5       26065       21.50       22         M25.5       26365       21.42       22         M25.5       26065       21.42       22         M25.5       26065       21.44       22         M25.5       26065       21.44       22         M25.5       26065       21.76       22         M25.5       26065       21.76       22         M25.5       26065       21.76       22         M25.5       26065       21.76       22         M25.5       26065       21.70       22         M25.5       26065       21.51       22         M25.5       26065       21.78       22         M25.5       26065       21.86       22         M25.5       26065       21.86       22         M25.5       26065       21.86       22         M25.5       26065       21.92       22         M352.5       26065       21.92       22         M352.5       26065       21.92       22         M352.5       26065       21.94       22         M352.5	0-1			
				1912.5			Power + Max. Tolerance (dBm)         per 3GPP(d)           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           23         0           22         0.1           22         0.1           22         0.1           22         0.1           22         0.1           22         0.1           22         0.1           22         0.1           22         0.1           22         0.1           22         0.1           22         0.1           22         0.1           22         0.1 <tr< td=""></tr<>		
			•	1852.5					
		25	5RB	1882.5					
				1912.5					
				1852.5					
			0	1882.5					
			° °	1912.5					
		1 RB	12						
		TIXD	12						
			24						
			24						
-	40.0444		0	1852.5					
5	16-QAM		0	1882.5					
				1912.5					
		40.00		1852.5				0           0	
		12 RB	6	1882.5					
				1912.5					
				1852.5				0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0.1           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2 </td	
			13	1882.5	26365	20.44	21         0-2           21         0-2           21         0-2           21         0-2           21         0-2           21         0-2           21         0-2           21         0-2           21         0-2           21         0-2		
				1912.5	26665	20.74	21	0-2	
				1852.5	26065	20.50	21	0-2	
		25	5RB	1882.5	26365	20.38	21	0-2	
				1912.5	26665	20.79	21	0-2	
				1852.5	26065	21.65	22	0-1	
			0	1882.5	26365	21.84	22	22       0-1 $22$ 0-1 $21$ 0-2 $21$ 0-2 $21$ 0-2 $21$ 0-2 $21$ 0-2 $21$ 0-2 $21$ 0-1 $22$ 0-1 $22$ 0-1 $22$ 0-1 $22$ 0-1 $22$ 0-1	
				1912.5	26665	21.60	22		
				1852.5	26065	21.27	22	0-1	
		1 RB	12	1882.5					
				1912.5					
				1852.5					
			24	1882.5					
				1912.5					
				1852.5					
	64-QAM		0	1882.5					
			, v	1912.5					
		12 DD	e	1852.5					
		12 RB	6	1882.5	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				
				1912.5					
				1852.5					
			13	1882.5					
				1912.5					
				1852.5	26065		21	0-2	
		25	5RB	1882.5	26365	20.34	21	0-2	
				1912.5	26665	20.75	21	0-2	

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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1851.5	26055	22.47	23	0
			0	1882.5	26365	22.45	23	0
				1913.5	26675	22.75	23	0
				1851.5	26055	22.47	23	0
		1 RB	7	1882.5	26365	22.38	23	0
				1913.5	26675	22.63	23	0
				1851.5	26055	22.41	23	0
			14	1882.5	26365	22.32	23	0
				1913.5	26675	22.65	23	0
				1851.5	26055	21.49	22	0-1
	QPSK		0	1882.5	26365	21.32	22	0-1
				1913.5	26675	21.70	22	0-1
				1851.5	26055	21.43	22	0-1
		8 RB	4				22	0-1
				1913.5			22	0-1
					1851.5       26055       22.47       23         1882.5       26365       22.45       23         1913.5       26675       22.75       23         1882.5       26365       22.38       23         1851.5       26055       22.47       23         1851.5       26675       22.63       23         1851.5       26675       22.65       23         1851.5       26675       22.65       23         1913.5       26675       21.49       22       0         1882.5       26365       21.32       22       0         1882.5       26365       21.32       22       0         1882.5       26365       21.38       22       0         1913.5       26675       21.70       22       0         1851.5       26055       21.38       22       0         1882.5       26365       21.37       22       0       0         1851.5       26055       21.33       22       0       0         1851.5       26675       21.95       22       0       0         1851.5       26655       21.88       22       0		0-1	
			7	1882.5	(MH2)         power (dBm)         Tolerance (dBm)         per           1851.5         26055         22.47         23         1           1882.5         26365         22.47         23         1           1851.5         26675         22.75         23         1           1851.5         26665         22.38         23         1           1851.5         26665         22.32         23         1           1851.5         26665         22.32         23         1           1851.5         26675         22.65         23         1           1851.5         26675         21.49         22         1           1882.5         26365         21.32         22         1           1882.5         266675         21.75         22         1           1882.5         26365         21.33         22         1           1882.5         26365         21.36         22         1           1882.5         26365         21.33         22         1           1882.5         26365         21.33         22         1           1851.5         26055         21.36         22         1 <td>0-1</td>		0-1	
		1913.5 26675 21.77 22	0-1					
		<u> </u>						
		15	SRB					
			-					
			0					
			0					
		4 00	-					
		1 RB	7					
			14					
				1913.5	26675	21.77	22	0-1
				1851.5	26055	20.37	21	0-2
3	16-QAM		0	1882.5	26365	20.55	21	0-2
				1913.5	26675	20.82	21	0-2
				1851.5	26055	20.58	21	0-2
		8 RB	4	1882.5	26365	20.50	21	0-2
				1913.5	26675	20.77	21	0-2
				1851.5	26055	20.58	21	0-2
			7	1882.5	26365	20.42	21	0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1
				1913.5	26675	20.77	21	0-2
						20.46		
		15	SRB	1882.5			20.50         21         0-2           20.77         21         0-2           20.58         21         0-2           20.42         21         0-2           20.77         21         0-2           20.42         21         0-2           20.42         21         0-2           20.46         21         0-2	
			0					
			Ì			26365         20.55         21         0-2           26675         20.82         21         0-2           26055         20.58         21         0-2           26365         20.50         21         0-2           26365         20.50         21         0-2           26365         20.50         21         0-2           26675         20.77         21         0-2           26365         20.42         21         0-2           26675         20.77         21         0-2           26675         20.77         21         0-2           26655         20.46         21         0-2           26365         20.40         21         0-2           26675         20.54         21         0-2           26675         20.54         21         0-2           26655         21.35         22         0-1           26655         21.35         22         0-1		
		1 RB	7					
			· '					
			14					
			14					
		L						
	64-QAM		0					
				1913.5	26675	20.78	21	
				1851.5	26055	20.55	21	
		8 RB	4	1882.5	26365	20.49	21	
				1913.5	26675	20.73	21	0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1
				1851.5	26055	20.54	21	0-2
			7	1882.5	26365	20.41	21	0-2
				1913.5	26675	20.75	21	0-2
				1851.5	26055	20.42	21	
		15	SRB	1882.5	26365	20.36	21	
		1		1913.5	26675	20.50	21	

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BW (Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1850.7	26047	22.69	23	0
			0	1882.5	26365	22.80	23	0
				1914.3	26683	22.81	23	0
				1850.7	26047	22.69	23	0
		1 RB	2	1882.5	26365	22.91	23	0
				1914.3	26683	22.87	23	0
			_	1850.7	26047	22.62	23	0
			5	1882.5	26365	22.75		-
				1914.3 1850.7	26683	22.76		
	QPSK		0	1850.7	26047 26365	21.70 21.83		
	QF SK		0	1914.3	26683	21.85		
				1850.7	26047	21.73		
		3 RB	2	1882.5	26365	21.86		
		OND	-	1914.3	26683	21.92		
				1850.7	26047	21.72		
		3 1882.5 26365 21.85 22		0-1				
				1914.3	1914.3 26683 21.84 22			
				1850.7	26047	20.59	22	0-1
		6	RB	1882.5	26365	20.82	22	0-1
				1914.3	26683	20.97	22	0-1
				1850.7	26047	20.91	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
			0	1882.5	26365	20.71		
				1914.3	26683	21.17		
			1850.7	26047	20.63			
		1 RB	2	1882.5	26365	21.01		
				1914.3	26683	20.92		
			-	1850.7	26047	20.69		
			5	1882.5	26365	20.94		
				1914.3	26683	21.30		
1.4	16-QAM		0	1850.7 1882.5	26047 26365	20.74 20.93		
1.4	10-QAM		0	1914.3	26683	20.89		
				1850.7	26047	20.86		
		3 RB	2	1882.5	26365	20.95		
		01.2	-	1914.3	26683	20.91		
				1850.7	26047	20.68		
			3	1882.5	26365	20.91		
				1914.3	26683	20.96	21	0-2
				1850.7	26047	20.82	21	0-2
		6	RB	1882.5	26365	20.93	21	0-2
				1914.3	26683	20.94	21	0-2
				1850.7	26047	20.87		0-1
			0	1882.5	26365	20.69		
				1914.3	26683	21.14		
				1850.7	26047	20.59	22	0-1
		1 RB	2	1882.5	26365	20.97	22	0-1
				1914.3	26683	20.88	22	0-1
			F	1850.7	26047	20.68	22	0-1
			5	1882.5	26365	20.93	22	0-1
				1914.3	26683	21.25	22	0-1
	64-QAM		0	1850.7	26047	20.68	21	0-2
			0	1882.5 1914.3	26365 26683	20.91 20.85	21 21	0-2 0-2
				1850.7	26047	20.83	21	0-2
		3 RB	2	1882.5	26365	20.83	21	0-2
		0110	-	1914.3	26683	20.94	21	0-2
				1850.7	26047	20.64	21	0-2
			3	1882.5	26365	20.90	21	0-2
			-	1914.3	26683	20.94	21	0-2
				1850.7	26047	20.78	21	0-2
		6RB		1882.5	26365	20.89	21	0-2
				1914.3	26683	20.90	21	0-2

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				FDD	Band 26					
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)			
				822.5	26825	22.63	23	0		
			0	831.5	26865	22.57	23			
				841.5	26965	22.98	23			
		4.00		822.5	26825	22.80	23			
		1 RB	36	831.5	26865	22.69	23			
				841.5 822.5	26965 26825	22.88 22.84	23 23			
			74	831.5	26865	22.73	23			
			74	841.5	26965	22.73	23			
				822.5	26825	21.70	22			
	QPSK		0	831.5	26865	21.69	22	0-1		
				841.5	26965	21.80	22	0-1		
				822.5	26825	21.88	22	0-1		
		36 RB	18	831.5	26865	21.83	22	0-1		
				841.5	26965	21.96	22	0-1		
				822.5	26825	21.89	22	per 3GPP(db)           0 <t< td=""></t<>		
			37	831.5	26865	21.76	22	per 3GPP(dB)           0 <t< td=""></t<>		
				841.5	26965	21.91	22	per 3GPP(dB)           0 <t< td=""></t<>		
		70	חח	822.5	26825	21.81	22			
		75	SRB	831.5 841.5	26865 26965	21.77 21.86	22 22			
				822.5	26825	21.99	22			
			0	831.5	26865	21.39	22			
			Ũ	841.5	26965	21.92	22			
				822.5	26825	21.91	22			
		1 RB	36	831.5	26865	21.92	22			
				841.5	26965	21.99	22			
				822.5	26825	21.95	22	0-1		
			74	831.5	26865	21.94	22	0-1		
				841.5	26965	21.98	22	0-1		
				822.5	26825	20.82	21	0-2		
15	16-QAM		0	831.5	26865	20.71	21			
				841.5	26965	20.79	21	0           0		
			40	822.5	26825	20.86	21			
		36 RB	18	831.5	26865	20.77	21	0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1		
				841.5 822.5	26965 26825	20.94	21 21			
			37	831.5	26865	20.86 20.77	21			
			57	841.5	26965	20.98	21			
				822.5	26825	20.38	21			
		75	RB	831.5	26865	20.76	21			
				841.5	26965	20.90	21	0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1		
				822.5	26825	21.95	22			
			0	831.5	26865	21.76	22	0-1		
				841.5	26965	21.89	22			
				822.5	26825	21.87	22			
		1 RB	36	831.5	26865	21.88	22			
				841.5	26965	21.95	22			
			74	822.5	26825	21.94	22			
			74	831.5	26865	21.93	22			
				841.5	26965	21.93	22			
	64-0AM		0	822.5	26825	20.76	21			
	64-QAM		U	831.5 841.5	26865	20.69	21	0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2		
				841.5	26965 26825	20.75 20.83	21 21			
		36 RB	18	822.5	26825	20.83	21			
		00 10	10	841.5	26965	20.76	21	1		
				822.5	26965	20.90	21			
			37	831.5	26865	20.76	21			
				841.5	26965	20.96	21			
				822.5	26825	20.75	21			
		75	RB	831.5	26865	20.72	21			
				841.5	26965	20.86	21	0-2		

## LTE FDD Band 26 - conducted power table:

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				820	26750	22.67	23	0
			0	831.5	26865	22.67	23	0
				844	26990	22.88	23	0
				820	26750	22.79	23	0
		1 RB	25	831.5	26865	22.63	23	
				844	26990	22.89	23	
			10	820	26750	22.75	23	
			49	831.5	26865	22.67	23	
				844	26990	22.82	23	
	ODSK		0	820	26750	21.78	22	
	QPSK		0	831.5	26865	21.62	22	
				844	26990	21.99	22	
			10	820	26750	21.74	22	
		25 RB	12	831.5	26865	21.69	22	
				844	26990	21.98	22	
			25	820	26750	21.76	22	
			25	831.5	26865	21.82	22	
				844	26990	22.00	22	
		E1	RB	820	26750	21.70	22	
		50		831.5 844	26865	21.78	22	
					26990	21.41 21.38	22 22	
			0	820	26750 26865			
			0	831.5 844		21.57	22 22	
					26990	21.67		
		1 RB	25	820	26750	21.47	22	
		IKD	25	831.5	26865	21.18	22	
				844	26990	21.99	22	
			49	820	26750 26865	21.39	22	
			49	831.5		21.58	22 22	
				844	26990	21.42	22	
10	16-QAM		0	820	26750	20.61 20.60	21	
10	10-QAIN		0	831.5 844	26865 26990	20.00	21	
				820	26990	20.60	21	
		25 RB	12	831.5	26865	20.65	21	
		23 110	12	844	26990	20.03	21	
				820	26750	20.93	21	
			25	831.5	26865	20.72	21	0 0 0
			20	844	26990	20.91	21	
				820	26750	20.67	21	0           0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           <
		50	RB	831.5	26865	20.67	21	
				844	26990	20.99	21	
				820	26750	20.33	22	
			0	831.5	26865	21.55	22	
			-	844	26990	21.64	22	
				820	26750	21.43	22	
		1 RB	25	831.5	26865	21.14	22	
			-	844	26990	21.95	22	
				820	26750	21.38	22	
			49	831.5	26865	21.57	22	
				844	26990	21.37	22	
				820	26750	20.55	21	
	64-QAM		0	831.5	26865	20.58	21	
				844	26990	20.73	21	
				820	26750	20.57	21	
		25 RB	12	831.5	26865	20.64	21	
				844	26990	20.89	21	
				820	26750	20.63	21	
			25	831.5	26865	20.71	21	
				844	26990	20.89	21	
				820	26750	20.63	21	
		50	RB	831.5	26865	20.63	21	
1				844	26990	20.95	21	0-2

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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)			
				816.5	26715	22.51	23	0			
			0	831.5	26865	22.57	23	0			
				846.5	27015	22.92	23	0			
				816.5	26715	22.45	23	0			
		1 RB	12	831.5	26865	22.69	23	0			
				846.5	27015	22.71	23	0			
				816.5	26715	22.52	23	0			
			24	831.5	26865	22.54	23	0			
				846.5	27015	22.78	23	0			
				816.5	26715	21.53	22	0-1			
	QPSK		0	831.5	26865	21.67	22	0-1			
				846.5	27015	21.95	22	0-1			
				816.5	26715						
		12 RB	6	831.5	26865						
			-	846.5	27015						
				816.5	26715						
			13	831.5	26865						
			-	846.5	27015		Tolerance (dBm)         per 3GPP(d)           22.51         23         0           22.57         23         0           22.92         23         0           22.45         23         0           22.69         23         0           22.52         23         0           22.54         23         0           22.52         23         0           22.54         23         0           22.54         23         0           21.67         22         0-1           21.68         22         0-1           21.85         22         0-1           21.85         22         0-1           21.81         22         0-1           21.85         22         0-1           21.85         22         0-1           21.85         22         0-1           21.82         22         0-1           21.83         22         0-1           21.84         22         0-1           21.85         22         0-1           21.84         22         0-1           21.85         21         0-2				
				816.5	26715						
		25	5RB	831.5	26865						
				846.5	27015						
				816.5	26715						
			0	831.5	26865						
			Ű	846.5	27015						
				816.5	26715						
		1 RB	12	831.5	26865						
		TRB	12	846.5	27015						
				816.5							
			24		26715	-					
			24	831.5	26865						
				846.5	27015						
F	16-QAM		0	816.5	26715						
5	16-QAIVI		0	831.5	26865						
				846.5	27015						
		40.00	6	816.5	26715			-			
		12 RB	6	831.5	26865						
				846.5	27015						
			40	816.5	26715						
			13	831.5	26865						
				846.5	27015						
				816.5	26715						
		25	5RB	831.5	26865						
		ļ	1	846.5	27015						
			_	816.5	26715						
			0	831.5	26865						
				846.5	27015						
				816.5	26715						
		1 RB	12	831.5	26865						
				846.5	27015						
				816.5	26715						
			24	831.5	26865						
				846.5	27015	21.42	22	0-1			
				816.5	26715						
	64-QAM		0	831.5	26865						
				846.5	27015	20.95	21	0-2			
				816.5	26715	20.54	21	0-2			
		12 RB	6	831.5	26865	20.78	21	0-2			
				846.5	27015	20.85	21	0-2			
				816.5	26715	20.54	21	0-2			
			13	831.5	26865	20.79	21	0-2			
				846.5	27015	20.83	21	0-2			
				816.5	26715	20.52	21	0-2			
		25	5RB	831.5	26865	20.71	21	0-2			
		25									

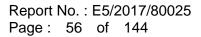
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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
				815.5	26705	22.27	23	0	
			0	831.5	26865	22.35	23	0	
				847.5	27025	22.93	23	0	
				815.5	26705	22.41	23	0	
		1 RB	7	831.5	26865	22.64	23	0	
				847.5	27025	22.84	23	0	
				815.5	26705	22.40	23	0	
			14	831.5	26865	22.41	23	0	
				847.5		22.62		0	
				815.5		21.33	22	0-1	
	QPSK		0	831.5	26865	21.55	22	0-1	
				847.5	27025		22	0-1	
				815.5				0-1	
		8 RB	4	831.5				0-1	
			-	847.5				0-1	
				815.5	S         26705         22.27         23           5         26865         22.35         23           5         27025         22.93         23           5         26865         22.64         23           5         26865         22.64         23           5         26705         22.64         23           5         26705         22.62         23           5         26705         21.33         22         0           5         26705         21.33         22         0           5         26705         21.33         22         0           5         26705         21.34         22         0           5         26705         21.34         22         0           5         26705         21.34         22         0           5         26865         21.67         22         0           5         26705         21.28         22         0           5         26865         21.46         22         0           5         27025         21.77         22         0           5         26705         21.88		0-1		
			7	831.5	power (dsm)         Tolerance (dBm)         Per 3           26705         22.27         23           26865         22.35         23           26705         22.41         23           26705         22.41         23           26705         22.41         23           26705         22.40         23           26865         22.41         23           26865         22.41         23           26705         21.33         22           26705         21.33         22           26705         21.34         22           26705         21.34         22           26705         21.81         22           26705         21.84         22           26705         21.82         22           26705         21.29         22           26705         21.29         22           26705         21.77         22           26705         21.88         22           27025         21.75         22           26705         21.88         22           26705         21.88         22           26705         21.82         22<		0-1		
				847.5	.5         26865         21.46         22         0           .5         27025         21.77         22         0           .5         26705         21.29         22         0           .5         26865         21.55         22         0           .5         26865         21.55         22         0           .5         26705         21.71         22         0           .5         26705         21.75         22         0           .5         26705         21.75         22         0           .5         26865         21.88         22         0           .5         26865         21.88         22         0           .5         26705         21.48         22         0           .5         26705         21.88         22         0           .5         27025         21.86         22         0           .5         27025         21.86         22         0           .5         26705         21.82         22         0			0-1	
			1	815.5				0-1	
		14	5RB	831.5				0-1	
				847.5				0-1	
			0	815.5				0-1	
			0	831.5				0-1	
				847.5					
				815.5					
		1 RB	7	831.5					
				847.5		21.86		0-1	
				815.5	26705	21.82	22	0-1	
			14	831.5	26865	21.67	22	0-1	
				847.5	27025	21.87	22	0-1	
				815.5	26705	20.40	21	0-2	
3	16-QAM		0	831.5	26865	20.56	21	0-2	
				847.5	27025	20.91	21	0-2	
				815.5	26705	20.38	21	0-2	
		8 RB	4	831.5	26865	20.57	21	0-2	
				847.5	27025	20.87	21	0-2	
				815.5	26705	20.19	21	0-2	
			7	831.5			21		
				847.5			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
				815.5					
		1!	5RB	831.5					
				847.5					
		I		815.5					
			0	831.5					
			5	847.5					
		1		815.5					
		1 RB	7					0-1	
		IKD	'	831.5					
				847.5				0-1	
			14	815.5				0-1	
			14	831.5				0-1	
		L		847.5				0-1	
			-	815.5				0-2	
	64-QAM		0	831.5				0-2	
				847.5				0-2	
				815.5				0-2	
		8 RB	4	831.5		20.56		0-2	
				847.5	27025	20.83	21	0-2	
				815.5	26705	20.15	21	0-2	
			7	831.5	26865	20.47	21	0-2	
				847.5	27025	20.82	21	0-2	
			-	815.5	26705	20.29	21	0-2	
		15	5RB	831.5	26865	20.56	21	0-2	
		1		847.5	27025	20.61	21	0-2	

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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				814.7	26697	22.41	23	0
			0	831.5	26865	22.60	23	0
				848.3	27033	22.77	23	
				814.7	26697	22.47	23	
		1 RB	2	831.5	26865	22.64	23	
		1110	-	848.3	27033	22.92	23	
				814.7	26697	22.44	23	
			5	831.5	26865	22.56	23	
			5					
				848.3	27033	22.81	23	
	ODOK		0	814.7	26697	21.50	22	
	QPSK		0	831.5	26865	21.64	22	
				848.3	27033	21.90	22	
				814.7	26697	21.52	22	
		3 RB	2	831.5	26865	21.61	22	
				848.3	27033	21.84	22	0-1
				814.7	26697	21.53	22	0-1
				22	0-1			
	848.3 27033 21.84 22	22	0-1					
ľ				814.7	26697	20.41	22	0-1
		6	RB	831.5	26865	20.62	22	0-1
				848.3	27033	20.85	22	0-1
				814.7	26697	20.75	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
			0	831.5	26865			
			-	848.3	27033			
				814.7	26697			
		1 RB	2	831.5	26865			
		TRE	2	848.3	27033			
			-	814.7	26697			
			5	831.5	26865			
				848.3	27033			
				814.7	26697			
1.4	16-QAM		0	831.5	26865			
				848.3	27033	20.73	21	
				814.7	26697	20.52	21	0-2
		3 RB	2	831.5	26865	20.75	21	0-2
				848.3	27033	20.96	21	0-2
				814.7	26697	20.37	21	0           0           0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2      0-2 <tr td=""></tr>
			3	831.5	26865	20.66	21	0-2
				848.3	27033	20.99	21	0-2
			-	814.7	26697	19.52	21	0-2
		6	RB	831.5	26865	19.69	21	
				848.3	27033	19.84	21	
				814.7	26697	20.71	22	
			0	831.5	26865	21.16	22	
			-	848.3	27033	21.28	22	
				814.7	26697	20.40	22	
		1 RB	2	831.5	26865	20.40	22	
			2	848.3	27033	20.98	22	-
			5	814.7	26697	20.82	22	
			э	831.5	26865	20.53	22	
				848.3	27033	21.32	22	0-1           0-1           0-1           0-1           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2
			_	814.7	26697	20.48	21	
	64-QAM		0	831.5	26865	20.68	21	
				848.3	27033	20.69	21	
				814.7	26697	20.49	21	
		3 RB	2	831.5	26865	20.74	21	0-2
				848.3	27033	20.92	21	0-2
				814.7	26697	20.33	21	0-2
			3	831.5	26865	20.65	21	0-2
				848.3	27033	20.97	21	
			•	814.7	26697	19.48	21	
		6	RB		26865	19.65	21	
		0	RD .	831.5	20000		21	

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				FDD	Band 30			
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
			0	2310	27710	22.80	23	0
		1 RB	25	2310	27710	22.71	23	0
			49	2310	27710	22.98	23	0
	QPSK		0	2310	27710	21.75	22	0-1
		25 RB	12	2310	27710	21.88	22	0-1
			25	2310	27710	21.84	22	0-1
		50	ORB	2310	27710	21.80	22	0-1
			0	2310	27710	21.56	22	0-1
		1 RB	25	2310	27710	21.89	22	0-1
			49	2310	27710	21.98	22	0-1
10	16-QAM		0	2310	27710	20.68	21	0-2
		25 RB	12	2310	27710	20.86	21	0-2
			25	2310	27710	20.79	21	0-2
		50	ORB	2310	27710	20.78	21	0-2
			0	2310	27710	21.50	22	0-1
		1 RB	25	2310	27710	21.87	22	0-1
			49	2310	27710	21.95	22	0-1
	64-QAM		0	2310	27710	20.64	21	0-2
		25 RB	12	2310	27710	20.82	21	0-2
			25	2310	27710	20.75	21	0-2
		50	ORB	2310	27710	20.77	21	0-2

#### LTE FDD Band 30 - conducted power table:

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				2307.5	27685	22.88	23	0
			0	2310	27710	22.72	23	0
				2312.5	27735	22.75	23	0
				2307.5	27685	22.68	23	0
		1 RB	12	2310	27710	22.81	23	
				2312.5	27735	22.91	23	
				2307.5	27685	22.89	23	
			24	2310	27710	22.92	23	
				2312.5	27735	22.88	23	-
	ODOK		0	2307.5	27685	21.87	22	
	QPSK		0	2310	27710	21.92	22	-
				2312.5	27735	21.80	22 22	
		12 RB	6	2307.5	27685	21.89		-
		12 KD	0	2310 2312.5	27710 27735	21.98 21.93	22 22	
				2312.5	27685	21.93	22	
			13	2307.5	27085	21.01	22	
			10	2310	27735	21.94	22	
				2312.5	27685	21.92	22	
		2!	5RB	2307.5	27085	21.00	22	
		-	SILE .	2312.5	27735	21.86	22	
				2307.5	27685	21.79	22	
			0	2310	27710	21.80	22	
			_	2312.5	27735	21.81	22	
				2307.5	27685	21.56	22	
		1 RB	12	2310	27710	21.78	22	
				2312.5	27735	21.77	22	0-1
				2307.5	27685	21.77	22	0-1
			24	2310	27710	21.99	22	0-1
				2312.5	27735	21.52	22	0-1
				2307.5	27685	20.88	21	0-2
5	16-QAM		0	2310	27710	20.90	21	0-2
				2312.5	27735	20.76	21	0-2
				2307.5	27685	20.92	21	0-2
		12 RB	6	2310	27710	20.92	21	0-2
				2312.5	27735	20.89	21	
				2307.5	27685	20.80	21	per 3GPP(dB)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2<
			13	2310	27710	20.96	21	
				2312.5	27735	20.89	21	
				2307.5	27685	20.83	21	
		28	5RB	2310	27710	20.87	21	
				2312.5	27735	20.96	21	
			0	2307.5	27685	21.73	22	
			U	2310 2312.5	27710	21.78 21.78	22 22	
				2312.5	27735 27685	21.78	22	
		1 RB	12	2307.5	27685	21.52	22	
			14	0010 5	07707	04 70	22	
				2312.5 2307.5	27735 27685	21.73 21.76	22	
			24	2307.5	27003	21.98	22	
				2312.5	27735	21.30	22	
				2307.5	27685	20.83	21	
	64-QAM		0	2310	27710	20.87	21	
				2312.5	27735	20.72	21	
				2307.5	27685	20.91	21	
		12 RB	6	2310	27710	20.91	21	0           0           0           0           0           0           0           0           0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1
				2312.5	27735	20.85	21	
				2307.5	27685	20.76	21	
			13	2310	27710	20.95	21	1
				2312.5	27735	20.87	21	
				2307.5	27685	20.81	21	
		25	5RB	2310	27710	20.83	21	
				2312.5	27735	20.92	21	0-2

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				TC	D Band 38			
BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				2580	37850	23.00	24	0
			0	2595	38000	23.13	24	0
				2610	38150	23.55	24	
		1 RB	50	2580 2595	37850 38000	22.90 23.00	24 24	
		TIND	50	2610	38150	23.00	24 24	-
				2580	37850	22.90	24	
			99	2595	38000	23.34	24	0
				2610	38150	23.25	24	0
				2580	37850	22.01	23	0-1
	QPSK		0	2595	38000	22.26	23	0-1
				2610	38150	22.34	23	
		50 RB	25	2580	37850	22.02	23	
		50 KD	25	2595 2610	38000 38150	22.09 22.36	<u>23</u> 23	
				2580	37850	22.07	23	
			50	2595	38000	22.13	23	
				2610	38150	22.24	23	0-1
				2580	37850	22.06	23	0-1
		10	0RB	2595	38000	22.17	23	0-1
			-	2610	38150	22.36	23	0-1
				2580	37850	22.31	23	
			0	2595	38000	22.48	23	
			2610	38150	22.55 22.12	23	-	
	1 RB	50	2580 2595	37850 38000	22.12	23 23		
	IND	50					-	
		99						
			2610	38150	22.33	23	0-1	
				2580	37850	21.14	22	0-2
20	16-QAM		0	2595	38000	21.28	22	0-2
				2610	38150	21.37	22	0-2
			05					
		50 RB	25					
			50					0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-1
			00					
				2580	37850	21.14	22	0 0-1 0-1 0-1 0-1 0-1 0-1 0-1 0-
		10	0RB	2595	38000	21.16	22	0-2
				2610	38150	21.33	22	0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1           0-1
				2580	37850	22.25	23	-
			0					
		1 RB	50					
		IND	50					
				0500	07050	00.44		
			$\begin{array}{c c c c c c c c c c c c c c c c c c c $					
	64-QAM		0		38000			
			0-					
		50 RB	25	2595	38000	21.22	22	0           0           0           0           0-1           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-2           0-1           0-1           0-1           0-1           0-1           0-1           0-1
				2610	38150	21.34	22	
			50	2580	37850	21.05	22	
			50	2595	38000 38150	21.15 21.25	22 22	
			1	2610 2580	38150	21.25	22	
		10	0RB	2595	38000	21.12	22	
				2610	38150	21.29	22	

## LTE TDD Band 38 - conducted power table:

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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15         18-QAM         0         2577.5         37825         23.03         24         0           2612.5         38175         23.22         24         0         0         2612.5         38175         23.22         24         0           36         2597.5         37825         23.02         244         0         0           2612.5         38175         23.27         244         0         0           2577.5         37825         22.99         244         0         0           2612.5         38175         23.27         244         0         0           2612.5         38175         23.16         244         0         0           2612.5         38175         22.28         23         0.1         0         2695         38000         22.18         23         0.1           2612.5         38175         22.20         23         0.1         2612.5         38175         22.31         0.1           2612.5         38175         22.02         23         0.1         2612.5         38175         22.30         0.1           2612.5         38175         22.30         2.3         0.1         2612	BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
Participant         2812.5         38175         23.22         24         0           2896         38000         23.10         24         0         0           2895         38000         23.10         24         0         0           2895         38000         23.10         24         0         0           2895         38000         23.15         24         0         0           2895         38000         22.15         24         0         0           2812.5         38175         22.16         24         0         0           2812.5         38175         22.31         23         0.1         0           2812.5         38175         22.31         23         0.1         0         286         38000         22.22         23         0.1           36 R8         18         2577.5         37825         22.00         23         0.1         23         0.1           2812.5         38175         22.31         23         0.1         23         0.1         23         0.1         23         0.1         23         0.1         23         0.1         23         0.1         23         <					2577.5	37825	23.03		0
15         16-QAM         1 </td <td></td> <td></td> <td></td> <td>0</td> <td>2595</td> <td>38000</td> <td>23.19</td> <td>24</td> <td>0</td>				0	2595	38000	23.19	24	0
15         16-QAM         1         1         1         1         1         1         1         1         1         1         1         2         2         2         2         2         2         2         1         2         2         1         2         2         1 </td <td></td> <td></td> <td></td> <td></td> <td>2612.5</td> <td>38175</td> <td>23.22</td> <td></td> <td>0</td>					2612.5	38175	23.22		0
Perform         2612.5         38175         22.29         24         0           2677.5         38175         22.99         24         0           2612.5         38175         22.99         24         0           2612.5         38175         22.16         24         0           2612.5         38000         22.16         24         0           2595         38000         22.16         23         0-1           2595         38000         22.26         23         0-1           2595         38000         22.18         23         0-1           2612.5         38175         22.26         23         0-1           2612.6         38175         22.30         23         0-1           36 RB         18         2595         38000         22.22         23         0-1           2612.6         38175         22.30         23         0-1         2612.6         38175         22.28         23         0-1           2612.6         38175         22.20         23         0-1         2612.6         38175         22.30         0-1           2617.5         37825         38000         22.00					2577.5	37825	23.02	24	-
PSK         2577.5         3782.5         22.99         24         0           2695.5         38000         23.15         24         0           2617.5         37825         23.16         24         0           2617.5         37825         23.16         24         0           36 RB         1         2595         38000         22.24         23         0-1           2517.5         37825         22.06         23         0-1         2517.5         37825         22.30         0-1           2517.5         37825         22.01         23         0-1         23.3         0-1           2517.5         37825         22.02         23         0-1         25.5         38000         22.22         23         0-1           2617.5         37825         22.02         23         0-1         2612.5         38175         22.30         0-1           2612.5         38175         22.28         23         0-1         2612.5         38175         22.30         0-1           2612.5         38175         22.30         0-1         2612.5         38175         22.30         0-1           2617.5         37825			1 RB	36					
Image: here is a serie in the image is series a serie in the image is series a serie in the image is a									
Porsk         2612.6         3817.5         22.16         24         0           257.5         37825         21.97         23         0.1           36 RB         18         257.5         37825         22.09         23         0.1           257.5         37825         22.09         23         0.1         23         0.1           36 RB         18         2577.5         37825         22.09         23         0.1           37         2595         38000         22.21         23         0.1           37         2595         38000         22.22         23         0.1           2577.5         37825         22.02         23         0.1           2577.5         37825         22.07         23         0.1           2577.5         37825         22.07         23         0.1           2612.5         38175         22.30         23         0.1           2612.5         38175         22.30         23         0.1           2612.5         38175         22.30         23         0.1           2612.5         38175         22.30         23         0.1           2612.5         <									
15         16-QAM         0         2577.5         37825         21.97         23         0.1           36 RB         18         2512.5         38000         22.26         23         0.1           2577.5         37825         22.09         23         0.1         2577.5         37825         22.09         23         0.1           37         2577.5         37825         22.01         23         0.1         23         0.1           37         2567.5         38175         22.29         23         0.1         23         0.1         25         257.5         37825         22.05         23         0.1         25         25         38000         22.22         23         0.1         25         23         0.1         25         22.30         23         0.1         25         23         0.1         25         23         0.1         25         23         0.1         25         23         0.1         25         23         0.1         25         23         0.1         25         23         0.1         25         23         0.1         25         23         0.1         25         23         0.1         25         23         0				74					
15         16-QAM         0         2595         33000         22.24         23         0-1           36 RB         18         2577.6         37825         22.09         23         0-1           2577.5         37825         22.09         23         0-1           37         2555         38000         22.18         23         0-1           37         2555         38000         22.02         23         0-1           37         2555         38000         22.02         23         0-1           2577.5         37825         22.02         23         0-1           2577.5         37825         22.00         23         0-1           2612.5         38175         22.29         23         0-1           2612.5         38175         22.30         23         0-1           2612.5         38175         22.28         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38100 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td></t<>									-
15         16-QAM         16-QAM         0         2612.5         3817.5         22.2.6         23         0.1           16-QAM         18         2575.5         3782.5         22.09         23         0.1           2575.5         3782.5         22.01         23         0.1         23         0.1           2577.5         3782.5         22.02         23         0.1         24         0.1         24         0.1         25         25         38000         22.22         23         0.1         25         25         38000         22.05         23         0.1         25         25         38175         22.23         0.1         25         0.1         26         25         38175         22.30         23         0.1         26         25         38175         22.30         23         0.1         26         25         38000         22.05         38000         22.03         0.1         26         25         38000         22.43         23         0.1         26         25         38000         22.29         23         0.1         26         25         38000         22.29         22         0.2         0.2         0.2         0.2         0.2		0.001/							
15         16-OAM         18         2577.5         37825         22.09         23         0-1           16         2695         38000         22.11         23         0-1           277.5         37825         22.02         23         0-1           37         2595         38000         22.22         23         0-1           2577.5         37825         22.02         23         0-1           2612.5         38175         22.29         23         0-1           2577.5         37825         22.07         23         0-1           2577.5         37825         22.07         23         0-1           2612.5         38175         22.30         23         0-1           2612.5         38175         22.30         23         0-1           2612.5         38175         22.30         0-1         257           2677.6         37825         22.41         23         0-1           2612.5         38175         22.30         0-1         257           2612.5         38175         22.29         23         0-1           2612.5         38175         22.39         23         0-1		QPSK		0					
15         16-QAM         36 RB         18         2595         38000         2218         23         0-1           37         2595         38000         2222         23         0-1           37         2595         38000         2222         23         0-1           2612.5         38175         22.22         23         0-1           75RB         2595         38000         22.07         23         0-1           2597.5         37825         22.05         23         0-1           2597.5         37825         22.02         23         0-1           2677.5         37825         22.03         23         0-1           2677.5         37825         22.11         23         0-1           2677.5         37825         22.11         23         0-1           2612.5         38175         22.41         23         0-1           2612.5         38175         22.41         23         0-1           2612.5         38175         22.41         23         0-1           2612.5         38175         22.3         0-1         20         22         0-2         22         0-2         22<									
15         16-QAM         2612.6         38175         2231         23         0.1           37         2595         3000         22.02         23         0.1           37         2595         30000         22.22         23         0.1           2877.5         37825         22.05         23         0.1           2877.5         37825         22.05         23         0.1           2877.5         37825         22.05         23         0.1           2877.5         37825         22.06         23         0.1           2812.5         38175         22.30         23         0.1           2812.5         38175         22.66         23         0.1           2812.5         38175         22.41         23         0.1           2817.5         37825         22.11         23         0.1           2817.5         37825         22.41         23         0.1           2817.5         37825         22.41         23         0.1           2817.5         37825         2.11         2.3         0.1           2817.5         37825         2.100         22         0.2			26 DD	10					
15         16-QAM         36 RB         2577.5         37825         22.02         23         0-1           2612.5         38175         22.23         0.1         2612.5         38175         22.23         0.1           75RB         2595         38000         22.07         23         0.1         2595         38000         22.07         23         0.1           2595         38000         22.07         23         0.1         2595         38000         22.07         23         0.1           257.5         37825         22.28         23         0.1         2612.5         38175         22.30         23         0.1           2612.5         38175         22.241         23         0.1         2612.5         38175         22.41         23         0.1           2612.5         38175         22.241         23         0.1         2612.5         38175         22.241         23         0.1           74         2595         38000         22.19         23         0.1         2612.5         38175         22.39         0.2         0.2         0.2         0.2         0.2         0.2         0.2         0.2         0.2         0.2			30 KB	18					
15         16-QAM         36         2595         38000         22.22         23         0-1           75RB         2577.5         37825         22.06         23         0-1           2595         38000         22.07         23         0-1           2612.5         38175         22.30         23         0-1           2612.5         38175         22.30         23         0-1           2612.5         38175         22.30         23         0-1           2617.5         37825         22.243         23         0-1           2617.5         37825         22.11         23         0-1           2617.5         37825         22.43         23         0-1           2617.5         37825         22.41         23         0-1           2617.5         37825         22.41         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38175         21.22         22         0-2           2612.5         38175         21.22         0-2         0-2									-
15         16-QAM         2612.5         38175         22.29         23         0-1           175RB         2597.5         37825         22.06         23         0-1           2612.5         38175         22.30         23         0-1           2617.5         37825         22.28         23         0-1           2617.5         37825         22.28         23         0-1           2612.5         38175         22.36         23         0-1           2612.5         38175         22.43         23         0-1           2612.5         38175         22.41         23         0-1           2612.5         38175         22.41         23         0-1           2612.5         38175         22.241         23         0-1           2612.5         38175         22.39         23         0-1           2612.5         38175         22.29         22         0-2           2612.5         38175         21.32         22.9         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.33         22         0-2           261				27					
15         16-QAM         2577.5         37825         22.06         23         0-1           15         16-QAM         0         2595         38000         22.07         23         0-1           15         18-QAM         0         2595         38000         22.30         23         0-1           16-QAM         0         2595         38000         22.43         23         0-1           2617.5         37825         22.43         23         0-1         23         0-1           2617.5         37825         22.41         23         0-1         2577.5         37825         22.41         23         0-1           15         36         2577.5         37825         22.41         23         0-1         257.5         37825         22.41         23         0-1           16-QAM         0         2595         38000         22.24         23         0-1         257.5         37825         22.41         23         0-1           16-QAM         0         2595         38000         21.22         20-2         2612.5         38175         21.22         0-2         2612.5         38175         21.22         0-2         2612.5 </td <td></td> <td></td> <td></td> <td>31</td> <td></td> <td></td> <td></td> <td></td> <td></td>				31					
15         75RB         2595         38000         22.07         23         0-1           2612.5         38175         22.30         23         0-1           2612.5         38175         22.28         23         0-1           2595         38000         22.43         23         0-1           2612.5         38175         22.26         23         0-1           2612.5         38175         22.266         23         0-1           2612.5         38175         22.41         23         0-1           2612.5         38175         22.41         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38175         22.29         23         0-1           2612.5         38175         22.29         22         0-2           2612.5         38175         21.22         20         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175				L					
15         16-QAM         0         2612.5         38175         22.30         23         0-1           15         18-QAM         0         2595         38000         22.43         23         0-1           16-QAM         36         2595         38000         22.43         23         0-1           17         2612.5         38175         22.66         23         0-1           2612.5         38175         22.43         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38175         22.39         23         0-1           2612.5         38175         21.22         20         22         0-2           2612.5         38175         21.22         20         2         0-2           2612.5         38175         21.33         22         0-2         2           2612.5         38175         21.33         22 <td< td=""><td></td><td></td><td>71</td><td>SRB  </td><td></td><td></td><td></td><td></td><td></td></td<>			71	SRB					
15         1         1         RB         0         2577.5         37825         22.28         23         0-1           1         RB         36         2595         38000         22.43         23         0-1           2612.5         38175         22.56         23         0-1         23         0-1           2612.5         38175         22.41         23         0-1         2612.5         38175         22.41         23         0-1           16-QAM         2677.5         37825         22.41         23         0-1         2612.5         38175         22.29         23         0-1           16-QAM         2595         38000         22.29         23         0-1         2612.5         38175         22.29         0.2			13						
15         16-QAM         0         2595         38000         22.43         23         0-1           174         2612.5         38175         22.66         23         0-1           2577.5         37825         22.11         23         0-1           2612.5         38175         22.41         23         0-1           2612.5         38175         22.241         23         0-1           2612.5         38175         22.39         23         0-1           2612.5         38175         22.39         23         0-1           2612.5         38175         21.32         22         0-2           2612.5         38175         21.22         20         0-2           2612.5         38175         21.22         20         0-2           2612.5         38175         21.32         0-2         0-2           2612.5         38175         21.32         0-2         0-2           2612.5         38175         21.32         0-2         0-2           2612.5         38175         21.32         0-2         0-2           2577.5         37825         20.92         0-2         0-2 <t< td=""><td>F</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	F								
15         16-QAM         2612.5         38175         22.56         23         0-1           15         16-QAM         36         2595         38000         22.19         23         0-1           15         16-QAM         74         2595         38000         22.24         23         0-1           74         2595         38000         22.29         23         0-1           74         2595         38000         22.29         23         0-1           74         2595         38000         22.29         23         0-1           2617.5         37825         21.00         22         0-2         0-2         2612.5         38175         22.29         0-2         0-2         0-2         2612.5         38175         21.30         02         0-2				0					
15         1 RB         36         2577.5         37825         22.11         23         0-1           15         16-QAM         74         2595         38000         22.19         23         0-1           15         16-QAM         74         2597.5         37825         22.24         23         0-1           15         16-QAM         74         2595         38000         22.29         23         0-1           2612.5         38175         22.39         23         0-1         2612.5         38175         22.39         0.2           2612.5         38175         21.00         22         0-2         2655         38000         21.22         20         0.2				Ŭ					-
15         1 RB         36         2595         38000         22.19         23         0-1           2612.5         38175         22.241         23         0-1           74         2595         38000         22.29         23         0-1           2612.5         38175         22.24         23         0-1           2612.5         38175         22.29         23         0-1           2612.5         38175         22.29         23         0-1           2612.5         38175         21.22         0-2         0-2           2612.5         38175         21.22         22         0-2           36 RB         18         2597.5         37825         21.00         22         0-2           36 RB         18         2595         38000         21.10         22         0-2           37         2577.5         37825         20.93         22         0-2           36         2596         38000         21.19         22         0-2           2577.5         37825         21.07         22         0-2           2596         38000         21.19         22         0-2           75R									
15         16-QAM         2612.5         38175         22.41         23         0-1           74         2595         38000         22.29         23         0-1           2612.5         38175         22.39         23         0-1           2612.5         38175         22.39         23         0-1           2612.5         38175         22.39         23         0-1           2612.5         38175         22.39         23         0-1           2612.5         38175         22.39         23         0-1           2612.5         38175         22.39         23         0-2           2612.5         38175         21.22         22         0-2           2612.5         38175         21.22         0-2         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.30         21.11         22         0-2           2612.5         38175         21.31         22         0-2         0-2 <td></td> <td></td> <td>1 RB</td> <td>36</td> <td></td> <td></td> <td></td> <td></td> <td></td>			1 RB	36					
15         16-QAM 74			TRB	00					
15         16-QAM         74         2595         38000         22.29         23         0-1           15         16-QAM         2672.5         38175         22.39         23         0-1           36 RB         2577.5         37825         21.00         22         0-2         0-2           2612.5         38175         21.22         22         0-2         0-2           2612.5         38175         21.22         22         0-2           2612.5         38175         21.22         0-2         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.33         22         0-2           36 RB         18         2595         38000         21.19         22         0-2           37         2595         38000         21.19         22         0-2           2612.5         38175         21.07         22         0-2           2612.5         38175         22.31         23         0-1           2612.5         38175         22.32         23         0-1           2612.5         38175         22.33         23         0-1									
15         16-QAM         2612.5         38175         22.39         23         0-1           15         16-QAM         0         2595         38000         21.22         22         0-2           2612.5         38175         21.22         22         0-2         0-2         2612.5         38175         21.22         22         0-2           2612.5         38175         21.22         22         0-2<				74					-
15         16-QAM         0         2577.5         37825         21.00         22         0-2           2595         38000         21.22         22         0-2           2677.5         37825         21.11         22         0-2           2677.5         37825         21.11         22         0-2           2677.5         37825         21.11         22         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.33         22         0-2           2612.5         38175         21.19         22         0-2           2612.5         38175         21.31         22         0-2           2577.5         37825         21.07         22         0-2           2587.5         38000         22.119         22         0-2           2612.5         38175         22.31         23         0-1           2612.5         38175         22.37         23         0-1           2612.5									
15         16-QAM         0         2595         38000         21.22         22         0-2           2612.5         38175         21.22         22         0-2           2677.5         37825         21.11         22         0-2           2677.5         37825         21.11         22         0-2           2677.5         37825         21.33         22         0-2           2677.5         37825         20.93         22         0-2           2677.5         37825         21.19         22         0-2           2612.5         38175         21.26         22         0-2           2612.5         38175         21.26         22         0-2           2612.5         38175         21.26         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38175         22.33         0-1         2612.5         38175         22.33         0-1           2612.5         38175         22.37         23         0-1         2612.5         38175         22.33         0-1           2612.5         38175         22.37         23         0-1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
64-QAM         0         2612.5         38175         21.22         22         0-2           1 RB         2595         38000         21.20         22         0-2           36 RB         18         2595         38000         21.20         22         0-2           37         2595         38000         21.33         22         0-2           37         2595         38000         21.19         22         0-2           2612.5         38175         21.33         22         0-2           2577.5         37825         20.93         22         0-2           2612.5         38175         21.26         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38175         22.37         23         0-1           2612.5         38175         22.53         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1           2595         38000         22.15         23         0-1           2612.5         38175         22.37	15	16-QAM		0					
36 RB         18         2577.5         37825         21.11         22         0-2           2612.5         38000         21.20         22         0-2           37         2577.5         37825         20.93         22         0-2           37         2595         38000         21.19         22         0-2           2612.5         38175         21.33         22         0-2           2595         38000         21.19         22         0-2           2577.5         37825         21.07         22         0-2           2612.5         38175         21.31         22         0-2           2595         38000         21.19         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38175         22.33         0-1         2595           2612.5         38175         22.33         0-1         2517.5         37825         22.07         23         0-1           2612.5         38175         22.37         23         0-1         2517.5         37825         22.07         23         0-1           2612.5         38175         22.37	-			-					
36 RB         18         2595         38000         21.20         22         0-2           37         2612.5         38175         21.33         22         0-2           37         2595         38000         21.19         22         0-2           2612.5         38175         21.26         22         0-2           2612.5         38175         21.26         22         0-2           2612.5         38175         21.26         22         0-2           2612.5         38175         21.26         22         0-2           75RB         2595         38000         21.19         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38175         22.33         0-1           2612.5         38175         22.33         0-1           2612.5         38175         22.33         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175									
64-QAM         0         2612.5         38175         21.33         22         0-2           37         2597.5         37825         20.93         22         0-2           2612.5         38000         21.19         22         0-2           2612.5         38175         21.26         22         0-2           2612.5         38175         21.26         22         0-2           2612.5         38175         21.07         22         0-2           75RB         2595         38000         21.19         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38175         22.53         23         0-1           2612.5         38175         22.53         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.33         0-1         2612.5         38175         22.34         0-1           2612.5         38175         22.34         23         0-1         2612.5         38175         21.18 <t< td=""><td></td><td></td><td>36 RB</td><td>18</td><td></td><td></td><td></td><td></td><td></td></t<>			36 RB	18					
64-QAM         0         2577.5         37825         20.93         22         0-2           1 RB         36 RB         18         2595.38000         21.19         22         0-2           2612.5         38175         21.26         22         0-2           75RB         2595.38000         21.19         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38000         21.19         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38175         22.33         0-1           2612.5         38175         22.57         37825         22.07         23         0-1           2612.5         38175         22.37         23         0-1         2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1         2612.5         38000         22.15         23         0-1           2612.5         38175         22.37         23         0-1         2575.5         37825         20.92         0-2           2612.5         38175 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>22</td> <td>0-2</td>								22	0-2
64-QAM         0         2612.5         38175         21.26         22         0-2           75RB         2577.5         37825         21.07         22         0-2           2612.5         38000         21.19         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38175         22.22         23         0-1           2612.5         38175         22.53         23         0-1           2612.5         38175         22.53         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.33         0-1         2612.5         38175         22.33         0-1           74         2595         38000         22.28         23         0-1         2612.5         38175         22.34         23         0-1           36 RB         18         2577.5         37825         21.19         22         0-2         2612.5         38175         <					2577.5	37825	20.93	22	0-2
64-QAM         0         2577.5         37825         21.07         22         0-2           75RB         2595         38000         21.19         22         0-2           2612.5         38175         21.31         22         0-2           2612.5         38175         22.22         23         0-1           2612.5         38175         22.53         23         0-1           2612.5         38175         22.53         23         0-1           2612.5         38175         22.53         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.33         0-1         2612.5         38175         22.3         0-1           74         2595         38000         22.28         23         0-1         2612.5         38175         22.3         0-2           36 RB         18         2577.5         37825         20.95         22         0-2           2612.5         38175         21				37	2595	38000	21.19	22	0-2
64-QAM         75RB         2595         38000         21.19         22         0-2           64-QAM         0         2595         38000         22.131         22         0-2           74         2595         38000         22.41         23         0-1           2612.5         38175         22.33         0-1         0.1         0.1         0.1           2612.5         38000         22.41         23         0-1         0.1 <td></td> <td></td> <td></td> <td></td> <td>2612.5</td> <td>38175</td> <td>21.26</td> <td>22</td> <td>0-2</td>					2612.5	38175	21.26	22	0-2
64-QAM         0         2612.5         38175         21.31         22         0-2           64-QAM         0         2595         38000         22.41         23         0-1           74         2577.5         37825         22.22         23         0-1           2612.5         38175         22.53         23         0-1           2612.5         38175         22.53         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.37         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         21.18         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.18         22         0-2           36 RB         18         2595         38000         21.19					2577.5	37825	21.07		0-2
64-QAM         0         2577.5         37825         22.22         23         0-1           74         2595         38000         22.41         23         0-1           2612.5         38175         22.53         23         0-1           74         2577.5         37825         22.07         23         0-1           74         2577.5         37825         22.07         23         0-1           74         2577.5         37825         22.37         23         0-1           74         2595         38000         22.15         23         0-1           74         2595         38000         22.28         23         0-1           74         2595         38000         22.28         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         21.19         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         3817			75	5RB					
64-QAM         0         2595         38000         22.41         23         0-1           74         2677.5         37825         22.07         23         0-1           74         2595         38000         22.15         23         0-1           74         2595         38000         22.28         23         0-1           74         2595         38000         22.28         23         0-1           74         2595         38000         22.28         23         0-1           74         2595         38000         22.28         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         21.18         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.29         22         0-2           36 RB         18         2595         38000         21.19         22         0-2           2595         38000         21.19         22         0-2         2         0-2									
64-QAM         0         2612.5         38175         22.53         23         0-1           74         2595         38000         22.15         23         0-1           2612.5         38175         22.37         23         0-1           74         2595         38000         22.15         23         0-1           2612.5         38175         22.37         23         0-1           74         2595         38000         22.28         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         21.19         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         38175         21.29         22         0-2           37         2595         38000         21.19         22 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
64-QAM         1 RB         36         2577.5         37825         22.07         23         0-1           74         2595         38000         22.15         23         0-1           74         2595         38000         22.237         23         0-1           74         2595         38000         22.237         23         0-1           74         2595         38000         22.28         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         21.19         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         38175         21.29				0					
64-QAM         1 RB         36         2595         38000         22.15         23         0-1           74         2577.5         37825         22.37         23         0-1           74         2595         38000         22.15         23         0-1           74         2595         38000         22.23         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38000         22.28         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         21.19         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.10         22         0-2           2612.5         38175         21.29         22         0-2           36 RB         18         2595         38000         21.19         22         0-2           37         2595         38000         21.19         22         0-2           37         2595									
64-QAM         2612.5         38175         22.37         23         0-1           74         2577.5         37825         22.23         23         0-1           2612.5         38000         22.28         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         21.19         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         38175         21.29         22         0-2           36 RB         18         2595         38000         21.19         22         0-2           37         2595         38000         21.18         22         0-2           37         2595         38000         21.18         22			4.55	00					
64-QAM         2577.5         37825         22.23         23         0-1           64-QAM         74         2595         38000         22.28         23         0-1           2612.5         38175         22.34         23         0-1           2612.5         38175         22.34         23         0-1           36 RB         18         2577.5         37825         20.95         22         0-2           2612.5         38175         21.18         22         0-2         0-2           2612.5         38175         21.18         22         0-2         0-2           2612.5         38175         21.19         22         0-2         0-2           2612.5         38175         21.10         22         0-2         0-2           2612.5         38175         21.29         22         0-2         0-2           36 RB         18         2595         38000         21.19         22         0-2           37         2595         38000         21.18         22         0-2           2577.5         37825         20.89         22         0-2           2612.5         38175         21.24			1 RB	36					
64-QAM         74         2595         38000         22.28         23         0-1           64-QAM         2612.5         38175         22.34         23         0-1           36 RB         2595         38000         21.19         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.19         22         0-2           2612.5         38175         21.10         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         38175         21.29         22         0-2           36 RB         18         2595         38000         21.19         22         0-2           2612.5         38175         21.29         22         0-2           37         2577.5         37825         20.89         22         0-2           2595         38000         21.18         22         0-2           2612.5         38175         21.24         22         0-2           2595         38000         21.18									
64-QAM         2612.5         38175         22.34         23         0-1           36 RB         18         2577.5         37825         20.95         22         0-2           36 RB         18         2577.5         37825         21.19         22         0-2           2612.5         38175         21.18         22         0-2         0-2           2612.5         38175         21.18         22         0-2         0-2           2612.5         38175         21.18         22         0-2         0-2           2612.5         38175         21.19         22         0-2         0-2           2612.5         38175         21.29         22         0-2         0-2           2612.5         38175         21.29         22         0-2         0-2           2612.5         38175         21.29         22         0-2           36         2595         38000         21.18         22         0-2           37         2595         38000         21.18         22         0-2           2612.5         38175         21.24         22         0-2           2612.5         38175         21.24				74					
64-QAM         0         2577.5         37825         20.95         22         0-2           36 RB         18         2577.5         37825         21.19         22         0-2           36 RB         18         2595         38000         21.19         22         0-2           2612.5         38175         21.18         22         0-2         0-2           2612.5         38175         21.19         22         0-2         0-2           2612.5         38175         21.19         22         0-2         0-2           2612.5         38175         21.29         22         0-2           36 RB         18         2595         38000         21.19         22         0-2           37         2595         38000         21.18         22         0-2           37         2595         38000         21.18         22         0-2           2612.5         38175         21.24         22         0-2           2612.5         38175         21.24         22         0-2           2577.5         37825         21.05         22         0-2				74					
64-QAM         0         2595         38000         21.19         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.18         22         0-2           2577.5         37825         21.10         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         38175         21.29         22         0-2           37         2597.5         37825         20.89         22         0-2           2612.5         38175         21.18         22         0-2           2577.5         37825         20.89         22         0-2           2612.5         38175         21.24         22         0-2           2612.5         38175         21.24         22         0-2           2577.5         37825         21.05         22         0-2									
2612.5         38175         21.18         22         0-2           36 RB         18         2577.5         37825         21.10         22         0-2           2612.5         38000         21.19         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         38175         21.29         22         0-2           2612.5         38175         21.29         22         0-2           37         2577.5         37825         20.89         22         0-2           2612.5         38175         21.18         22         0-2           2612.5         38175         21.24         22         0-2           2612.5         37825         21.05         22         0-2		64 0 4 14		0					
36 RB         18         2577.5         37825         21.10         22         0-2           2612.5         38000         21.19         22         0-2           2612.5         38175         21.29         22         0-2           37         2577.5         37825         20.89         22         0-2           37         2595         38000         21.18         22         0-2           2612.5         38175         21.24         22         0-2           2612.5         38175         21.24         22         0-2           2612.5         38175         21.24         22         0-2		04-QAIVI		U					
36 RB         18         2595         38000         21.19         22         0-2           2612.5         38175         21.29         22         0-2           37         2595         38000         21.18         22         0-2           2612.5         38175         21.29         22         0-2           37         2595         38000         21.18         22         0-2           2612.5         38175         21.24         22         0-2           2577.5         37825         21.05         22         0-2									
2612.5         38175         21.29         22         0-2           37         2577.5         37825         20.89         22         0-2           2612.5         38000         21.18         22         0-2           2612.5         38175         21.24         22         0-2           2612.5         38175         21.24         22         0-2           2577.5         37825         21.05         22         0-2			36 00	10					
2577.5         37825         20.89         22         0-2           37         2595         38000         21.18         22         0-2           2612.5         38175         21.24         22         0-2           2577.5         37825         21.05         22         0-2			30 KD	10					
37         2595         38000         21.18         22         0-2           2612.5         38175         21.24         22         0-2           2577.5         37825         21.05         22         0-2									
2612.5         38175         21.24         22         0-2           2577.5         37825         21.05         22         0-2				37					
2577.5 37825 21.05 22 0-2				31					
				L					
10KB 1 2645 1 24000 2116 22 00 00 00 00 00 00 00 00 00 00 00 00			71	SRB	2577.5	37825	21.05	22	0-2
75RB 2595 38000 21.15 22 0-2 2612.5 38175 21.27 22 0-2			13						

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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)		
				2575	37800	22.93	24	0		
			0	2595	38000	23.11	24	0		
				2615	38200	23.17	24	0		
				2575	37800	22.92	24	0		
		1 RB	25	2595	38000	23.00	24	0		
				2615	38200	23.13	24	0		
				2575	37800	22.90	24	0		
			49	2595	38000	23.15	24	0		
				2615	38200	23.29	24	0		
	0.501/			2575	37800	21.97	23	0-1		
	QPSK		0	2595	38000	22.12	23	0-1		
				2615	38200	22.36	23	0-1		
			10	2575	37800	22.02	23	0-1		
		25 RB	12	2595	38000	22.16	23	0-1		
				2615	38200	22.29	23	0-1		
			25	2575	37800	21.94	23	0-1		
			20	2595 2615	38000 38200	22.18 22.36	23 23	0-1 0-1		
				2575	38200	22.36	23	0-1		
		50	ORB	2575	38000	22.03	23	0-1		
		50		2615	38200	22.09	23	0-1		
				2575	37800	22.30	23	0-1		
			0	2595	38000	22.43	23	0-1		
			Ũ	2615	38200	22.58	23	0-1		
		1 RB	1 RB	1 RB		2575	37800	22.25	23	0-1
					25	2595	38000	22.26	23	0-1
			_	2615	38200	22.51	23	0-1		
				2575	37800	22.16	23	0-1		
			49	2595	38000	22.26	23	0-1		
				2615	38200	22.50	23	0-1		
				2575	37800	21.06	22	0-2		
10	16-QAM		0	2595	38000	21.21	22	0-2		
				2615	38200	21.40	22	0-2		
		25 RB		2575	37800	21.06	22	0-2		
			25 RB	12	2595	38000	21.19	22	0-2	
					2615	38200	21.34	22	0-2	
			e –	2575	37800	20.98	22	0-2		
			25	2595	38000	21.26	22	0-2		
				2615	38200	21.39	22	0-2		
		-		2575	37800	21.05	22	0-2		
		50	ORB	2595	38000	21.10	22	0-2		
				2615	38200	21.29	22	0-2		
			0	2575	37800	22.10	23	0-1		
			0	2595	38000	22.41	23	0-1		
				2615	38200	22.55	23	0-1		
		1 RB	25	2575	37800	22.21	23	0-1 0-1		
		IKD	20	2595 2615	38000 38200	22.22 22.47	23 23	0-1		
				2575	38200	22.47	23	0-1		
			49		37800			0-1		
				2595 2615	38200	22.25	23	0-1		
				2575	37800	21.01	23	0-1		
	64-QAM		0	2595	38000	21.18	22	0-2		
				2615	38200	21.36	22	0-2		
				2575	37800	21.00	22	0-2		
		25 RB	12	2595	38000	21.18	22	0-2		
				2615	38200	21.30	22	0-2		
				2575	37800	20.94	22	0-2		
			25	2595	38000	21.25	22	0-2		
				2615	38200	21.37	22	0-2		
				2575	37800	21.03	22	0-2		
		50	ORB	2595	38000	21.06	22	0-2		
		1		2615	38200	21.25	22	0-2		

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BW(Mhz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)		
				2572.5	37775	22.88	24	0		
			0	2595	38000	23.09	24	0		
				2617.5	38225	23.19	24	0		
				2572.5	37775	22.81	24	0		
		1 RB	12	2595	38000	22.98	24	0		
				2617.5	38225	23.25	24	0		
				2572.5	37775	22.89	24	0		
			24	2595	38000	23.09	24	0		
				2617.5	38225	23.09	24	0		
				2572.5	37775	21.89	23	0-1		
	QPSK		0	2595	38000	22.13	23	0-1		
				2617.5	38225	22.32	23	0-1		
				2572.5	37775	21.92	23	0-1		
		12 RB	6	2595	38000	22.15	23	0-1		
				2617.5	38225	22.40	23	0-1		
			10	2572.5	37775	21.88	23	0-1		
			13	2595	38000	22.09	23	0-1		
			I	2617.5	38225	22.36	23	0-1		
			DD	2572.5	37775	21.95	23	0-1		
		25	5RB	2595	38000	22.09	23	0-1		
				2617.5	38225	22.33	23	0-1		
			0	2572.5	37775	22.12	23	0-1 0-1		
			0	2595 2617.5	38000	22.27 22.43	23 23	0-1		
							38225	-		1
		1 RB	12	2572.5 2595	<u>37775</u> 38000	22.08 22.24	<u>23</u> 23	0-1 0-1		
		IKD	12	2617.5	38225	22.24	23	0-1		
				2572.5	37775	22.51	23	0-1		
			24	2595	38000	22.32	23	0-1		
			24	2617.5	38225	22.52	23	0-1		
				2572.5	37775	20.96	22	0-2		
5	16-QAM		0	2595	38000	21.10	22	0-2		
0			Ŭ	2617.5	38225	21.30	22	0-2		
				2572.5	37775	21.06	22	0-2		
		12 RB	6	2595	38000	21.22	22	0-2		
					2617.5	38225	21.42	22	0-2	
				2572.5	37775	20.95	22	0-2		
			13	2595	38000	21.11	22	0-2		
				2617.5	38225	21.31	22	0-2		
				2572.5	37775	21.00	22	0-2		
		25	5RB	2595	38000	21.13	22	0-2		
				2617.5	38225	21.44	22	0-2		
				2572.5	37775	22.06	23	0-1		
			0	2595	38000	22.25	23	0-1		
				2617.5	38225	22.40	23	0-1		
				2572.5	37775	22.04	23	0-1		
		1 RB	12	2595	38000	22.20	23	0-1		
				2617.5	38225	22.47	23	0-1		
				2572.5	37775	22.10	23	0-1		
			24	2595	38000	22.31	23	0-1		
				2617.5	38225	22.48	23	0-1		
	64 0 4 14		0	2572.5	37775	20.91	22	0-2		
	64-QAM		0	2595	38000	21.07	22	0-2		
				2617.5	38225	21.26	22	0-2		
		12 RB	6	2572.5	37775	21.05	22	0-2		
			0	2595	38000	21.21	22	0-2		
				2617.5 2572.5	<u>38225</u> 37775	21.38 20.91	<u>22</u> 22	0-2		
			13	2572.5	38000	20.91	22	0-2		
			10	2617.5	38225	21.29	22	0-2		
			·	2572.5	37775	20.98	22	0-2		
		25	5RB	2595	38000	21.09	22	0-2		
		20		2617.5	38225	21.40	22	0-2		

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						TDD Band 41			
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
				2506 2549.5	39750 40185	23.97 23.99	24 24	0	
			0	2593	40620	23.85	24	0	
				2636.5	41055	23.86	24	0	
				2680 2506	41490 39750	23.28 23.78	24 24	0	
				2549.5	40185	23.62	24	0	
		1 RB	50	2593	40620	23.61	24	0	
				2636.5	41055	23.57	24	0	
				2680 2506	41490 39750	23.38 23.67	24 24	0	
				2549.5	40185	23.49	24	0	
			99	2593	40620	23.60	24	0	
				2636.5	41055	23.58	24	0	
				2680 2506	41490 39750	22.39 22.92	24	0-1	
				2549.5	40185	22.88	23	0-1	
	QPSK		0	2593	40620	22.68	23	0-1	
				2636.5 2680	41055 41490	22.74 22.45	23 23	0-1	
				2506	39750	22.45	23	0-1	
				2549.5	40185	22.74	23	0-1	
		50 RB	25	2593	40620	22.74	23	0-1	
				2636.5	41055	22.76	23	0-1	
				2680 2506	41490 39750	22.58 22.73	23 23	0-1 0-1	
				2549.5	40185	22.64	23	0-1	
			50	2593	40620	22.58	23	0-1	
				2636.5	41055	22.63	23	0-1	
			l	2680 2506	41490 39750	22.60	23 23	0-1	
				2506	40185	22.00	23	0-1	
		10	0RB	2593	40620	22.68	23	0-1	
				2636.5	41055	22.75	23	0-1	
	<u> </u>		r –	2680 2506	41490 39750	22.68 22.97	23	0-1 0-1	
				2506	39750 40185	22.97	23	0-1	
			0	2593	40620	22.85	23	0-1	
				2636.5	41055	22.85	23	0-1	
				2680	41490	22.28	23	0-1	
				2506 2549.5	39750 40185	22.78 22.62	23 23	0-1 0-1	
		1 RB	50	2593	40620	22.61	23	0-1	
				2636.5	41055	22.57	23	0-1	
				2680	41490	22.38	23	0-1	
				2506 2549.5	39750 40185	22.67	23	0-1	
			99	2593	40620	22.60	23	0-1	
				2636.5	41055	22.58	23	0-1	
				2680	41490	21.39	23	0-1	
				2506 2549.5	39750 40185	21.92	22	0-2	
20	16-QAM		0	2593	40185	21.68	22	0-2	
-				2636.5	41055	21.74	22	0-2	
				2680	41490	21.45	22	0-2	
				2506 2549.5	39750 40185	21.90 21.74	22	0-2 0-2	
		50 RB	25 50	25	2593	40620	21.74	22	0-2
					2636.5	41055	21.76	22	0-2
				2680 2506	41490 39750	21.58 21.73	22	0-2	
				2506	40185	21.64	22	0-2 0-2	
				2593	40620	21.58	22	0-2	
				2636.5	41055	21.63	22	0-2	
				2680	41490	21.60	22	0-2	
				2506 2549.5	39750 40185	21.88 21.74	22 22	0-2 0-2	
		10	0RB	2593	40183	21.68	22	0-2	
				2636.5	41055	21.75	22	0-2	
	L		1	2680	41490	21.68	22	0-2	
				2506 2549.5	39750 40185	22.91 22.97	23	0-1	
			0	2593	40620	22.82	23	0-1	
				2636.5	41055	22.81	23	0-1	
			L	2680	41490	22.24	23	0-1	
				2506 2549.5	39750 40185	22.74 22.61	23	0-1	
		1 RB	50	2549.5	40185	22.60	23	0-1	
				2636.5	41055	22.52	23	0-1	
				2680	41490	22.33	23	0-1	
				2506 2549.5	39750 40185	22.64 22.45	23 23	0-1 0-1	
			99	2549.5	40185	22.45	23	0-1	
				2636.5	41055	22.57	23	0-1	
			ļ	2680	41490	21.35	23	0-1	
				2506 2549.5	39750 40185	21.88 21.87	22	0-2	
	64-QAM		0	2549.5	40185	21.87 21.66	22	0-2	
				2636.5	41055	21.72	22	0-2	
				2680	41490	21.41	22	0-2	
				2506	39750	21.86	22	0-2	
		50 RB	25	2549.5 2593	40185 40620	21.70 21.70	22 22	0-2 0-2	
				2636.5	41055	21.75	22	0-2	
				2680	41490	21.56	22	0-2	
				2506	39750	21.71	22	0-2	
			50	2549.5 2593	40185 40620	21.60 21.54	22	0-2	
			30	2636.5	40620	21.59	22	0-2	
				2680	41490	21.56	22	0-2	
			-	2506	39750	21.87	22	0-2	
		100RB		2549.5 2593	40185 40620	21.72	22	0-2 0-2	
				2593	40620	21.66 21.71	22	0-2	
				2680	41490	21.64	22	0-2	
		_							

### LTE TDD Band 41 - conducted power table:

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				2503.5	39725	23.83	24	0
			0	2548.3	40173	23.71	24	0
			0	2593 2637.8	40620 41068	23.56 23.52	24 24	0
				2682.5	41515	23.52	24	0
				2503.5	39725	23.61	24	0
		4.00		2548.3	40173	23.44	24	0
		1 RB	36	2593 2637.8	40620 41068	23.41 23.41	24 24	0
				2682.5	41515	23.32	24	ő
				2503.5	39725	23.54	24	0
			74	2548.3	40173	23.41	24	0
			74	2593 2637.8	40620 41068	23.38 23.41	24 24	0
				2682.5	41515	23.19	24	0
				2503.5	39725	22.69	23	0-1
	QPSK		0	2548.3	40173	22.61	23	0-1
	QF 3K		0	2593 2637.8	40620 41068	22.47 22.58	23 23	0-1
				2682.5	41515	22.51	23	0-1
				2503.5	39725	22.63	23	0-1
		36 RB	18	2548.3 2593	40173 40620	22.54 22.45	23 23	0-1 0-1
			10	2637.8	41068	22.43	23	0-1
				2682.5	41515	22.41	23	0-1
				2503.5	39725	22.61	23	0-1
			37	2548.3 2593	40173 40620	22.42 22.44	23	0-1
			31	2593 2637.8	40620	22.44	23	0-1
				2682.5	41515	22.27	23	0-1
				2503.5	39725	22.70	23	0-1
		70	SRB	2548.3	40173	22.52	23	0-1
		'		2593 2637.8	40620 41068	22.42 22.44	23	0-1
				2682.5	41515	22.44	23	0-1
1				2503.5	39725	22.60	23	0-1
			0	2548.3	40173	22.35	23	0-1
			0	2593 2637.8	40620 41068	22.99 22.64	23	0-1 0-1
		l		2682.5	41515	22.36	23	0-1
				2503.5	39725	22.36	23	0-1
		1 RB	36	2548.3 2593	40173	22.14 22.13	23	0-1
		TRB	30	2637.8	40620 41068	22.13	23	0-1
				2682.5	41515	22.06	23	0-1
				2503.5	39725	22.33	23	0-1
			74	2548.3 2593	40173 40620	22.10 22.10	23 23	0-1 0-1
			14	2637.8	41068	22.01	23	0-1
				2682.5	41515	21.89	23	0-1
				2503.5 2548.3	39725 40173	21.69 21.54	22 22	0-2
15	16-QAM	л	0	2548.3	40173	21.54	22	0-2
			-	2637.8	41068	21.56	22	0-2
				2682.5	41515	21.45	22	0-2
				2503.5 2548.3	39725 40173	21.62 21.59	22 22	0-2 0-2
		36 RB	18	2593	40620	21.59	22	0-2
		3010		2637.8	41068	21.50	22	0-2
				2682.5	41515	21.34	22	0-2
				2503.5 2548.3	39725 40173	21.55 21.50	22 22	0-2
			37	2593	40620	21.36	22	0-2
				2637.8	41068	21.37	22	0-2
				2682.5	41515	21.31	22	0-2
				2503.5 2548.3	39725 40173	21.68 21.61	22 22	0-2 0-2
		75	5RB	2593	40620	21.52	22	0-2
		l		2637.8	41068	21.52	22	0-2
		I		2682.5 2503.5	41515 39725	21.47 22.54	22 23	0-2
			1	2503.5	40173	22.33	23	0-1
		l	0	2593	40620	22.96	23	0-1
		l	1	2637.8	41068	22.60	23	0-1
				2682.5 2503.5	41515 39725	22.32 22.32	23	0-1
		l	1	2503.5	40173	22.32	23	0-1
		1 RB	36	2593	40620	22.12	23	0-1
			1	2637.8	41068 41515	22.07	23	0-1
				2682.5 2503.5	41515 39725	22.01 22.30	23 23	0-1 0-1
		l	1	2548.3	40173	22.06	23	0-1
			74	2593	40620	22.09	23	0-1
			1	2637.8	41068	22.00	23	0-1
		<u> </u>	<u> </u>	2682.5 2503.5	41515 39725	21.85 21.65	23 22	0-1 0-2
		l	1	2548.3	40173	21.53	22	0-2
	64-QAM		0	2593	40620	21.50	22	0-2
		l	1	2637.8 2682.5	41068 41515	21.54 21.41	22 22	0-2 0-2
		l		2503.5	39725	21.58	22	0-2
		l	1	2548.3	40173	21.55	22	0-2
		36 RB	18	2593	40620	21.47	22	0-2
			1	2637.8 2682.5	41068 41515	21.49 21.32	22	0-2
		l		2503.5	39725	21.52	22	0-2
		l		2548.3	40173	21.46	22	0-2
			37	2593	40620	21.32	22	0-2
			1	2637.8 2682.5	41068 41515	21.33 21.27	22 22	0-2
		<u> </u>		2503.5	39725	21.27	22	0-2
		l		2548.3	40173	21.59	22	0-2
		75RB		2593	40620	21.50	22	0-2
				2637.8 2682.5	41068 41515	21.48 21.43	22 22	0-2 0-2
				2002.0	1,010	21.40		J*2

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W(MHz)	Modulation	RB Size	RB Offset	Frequency	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)			
(WI 12)	Woodlation	110 0126	IND ONSER	(MHz) 2501	39700	23.63	24	0			
				2547	40160	23.84	24	0			
			0	2593	40620	23.71	24	0			
				2639 2685	41080 41540	23.66 23.82	24 24	0			
				2501	39700	23.47	24 24	0			
				2547	40160	23.33	24	0			
		1 RB	25	2593	40620	23.28	24	0			
				2639 2685	41080 41540	23.54 23.15	24 24	0			
				2501	39700	23.40	24	0			
				2547	40160	23.31	24	0			
			49	2593	40620	23.19	24	0			
				2639 2685	41080 41540	23.47 23.54	24 24	0			
				2501	39700	22.67	24	0-1			
				2547	40160	22.42	23	0-1			
	QPSK		0	2593	40620	22.39	23	0-1			
				2639 2685	41080	22.42	23	0-1 0-1			
				2501	41540 39700	22.50 22.57	23	0-1			
				2547	40160	22.43	23	0-1			
		25 RB	12	2593	40620	22.42	23	0-1			
				2639	41080	22.40	23	0-1			
				2685 2501	41540 39700	22.28 22.46	23	0-1 0-1			
				2547	40160	22.38	23	0-1			
			25	2593	40620	22.27	23	0-1			
				2639	41080	22.31	23	0-1			
		<u> </u>	I	2685 2501	41540 39700	22.41 22.62	23 23	0-1 0-1			
		1		2501	40160	22.62	23	0-1			
		50	RB	2593	40620	22.36	23	0-1			
		1		2639	41080	22.40	23	0-1			
				2685 2501	41540 39700	22.39 22.87	23 23	0-1 0-1			
				2501 2547	39700 40160	22.87	23 23	0-1			
			0	2593	40100	22.72	23	0-1			
				2639	41080	22.70	23	0-1			
				2685	41540	22.98	23	0-1			
				2501 2547	39700 40160	22.79	23	0-1 0-1			
		1 RB	25	2593	40620	22.57	23	0-1			
				2639	41080	22.53	23	0-1			
				2685	41540	22.42	23	0-1			
				2501	39700	22.65	23	0-1			
			49	2547 2593	40160 40620	22.99 22.54	23	0-1 0-1			
			10	2639	41080	22.51	23	0-1			
				2685	41540	22.79	23	0-1			
				2501 2547	39700 40160	21.61 21.49	22 22	0-2			
10	16-QAM		0	2593	40100	21.49	22	0-2			
			-	2639	41080	21.41	22	0-2			
				2685	41540	21.54	22	0-2			
				2501	39700	21.68	22	0-2			
		25 RB	12	2547 2593	40160 40620	21.42 21.38	22 22	0-2 0-2			
		20110	12	2639	41080	21.46	22	0-2			
			25		2685	41540	21.33	22	0-2		
							2501	39700	21.61	22	0-2
				2547 2593	40160 40620	21.37 21.28	22 22	0-2 0-2			
			25	2639	41080	21.20	22	0-2			
			1	2685	41540	21.36	22	0-2			
				2501	39700	21.54	22	0-2			
		F	RB	2547 2593	40160 40620	21.42 21.36	22 22	0-2 0-2			
		50		2593	40620 41080	21.36	22	0-2			
				2685	41540	21.43	22	0-2			
				2501	39700	22.81	23	0-1			
			0	2547 2593	40160	22.69	23	0-1 0-1			
			U	2593	40620 41080	22.69 22.66	23	0-1			
				2685	41540	22.94	23	0-1			
				2501	39700	22.75	23	0-1			
		1 RB	25	2547	40160	22.66	23	0-1			
		1 KD	25	2593 2639	40620 41080	22.56	23	0-1			
				2685	41540	22.37	23	0-1			
				2501	39700	22.62	23	0-1			
			49	2547	40160	22.95	23	0-1 0-1			
			+9	2593 2639	40620 41080	22.53 22.50	23	0-1			
				2685	41540	22.75	23	0-1			
				2501	39700	21.57	22	0-2			
	64 0 444		0	2547	40160	21.48	22	0-2			
	64-QAM		U	2593 2639	40620 41080	21.43 21.39	22 22	0-2 0-2			
				2685	41540	21.59	22	0-2			
				2501	39700	21.64	22	0-2			
		05.00	40	2547	40160	21.38	22	0-2			
		25 RB	12	2593 2639	40620 41080	21.34 21.45	22 22	0-2 0-2			
				2639 2685	41080 41540	21.45 21.31	22	0-2			
				2501	39700	21.59	22	0-2			
			-	2547	40160	21.33	22	0-2			
			25	2593	40620	21.24	22	0-2			
				2639 2685	41080 41540	21.27 21.32	22 22	0-2 0-2			
				2501	39700	21.53	22	0-2			
				2547	40160	21.40	22	0-2			
		50RB									
		50	RB	2593 2639	40620 41080	21.34 21.44	22 22	0-2			

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N         P	BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
1         1         0         200 (1)									Ŷ
1         1         0         200 1         1         2         200 1         1         2         200 1         1         2         200 1         1         1         2         200 1         1         1         2 <th2< th=""> <th2< th=""> <th2< th=""></th2<></th2<></th2<>				0					
1         1         1         2 <th2< th="">         2         <th2< th=""> <th2< th=""></th2<></th2<></th2<>				0					
1         1         1         1         1         1         1         1         1         1           1         1         1         1         1         1         2						41565	23.72	24	
1         1         1         1         2         200									
1122234002222300222230022230000222300002223000022230002223000223000022300002230000223000022300002200000220000022000002200000220000022000002200000220000022000002200000220000022000002 <td></td> <td></td> <td>1 00</td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td>			1 00	12					
1 Port Part Part Part Part Part Part Part Pa			TRD	12					
112201200 200<									
1         1         2         201 201 201 201 201 201 201 201 201 201						39675			
1         1         2000         1000         2000         1000         1000           005K         1         2007         1000         2000         1000         1000           2007         1000         2000         1000         1000         1000         1000           2007         1000         2000         2000         2000         1000         1000           2007         1000         2000         2000         2000         1000         1000           2000         1000         2000         2000         2000         1000         1000           2000         1000         2000         2000         2000         1000         1000           2000         1000         2000         2000         2000         1000         1000           2000         1000         2000         2000         2000         1000         1000           2000         1000         2000         2000         2000         1000         1000           2000         1000         2000         2000         2000         1000         1000           2000         1000         2000         2000         1000         1000									
<form><form><form><form><form><form></form></form></form></form></form></form>				24					
1         Provide         281.9         282.9         282.9         282.9         0.0           12 NP         12 NP         282.1         4001         22.0         0.0         0.0           282.1         4001         22.0         0.0         0.0         0.0           12 NP         12 NP         22.0         0.0         0.0         0.0           14 NP         282.1         4001         22.0         0.0         0.0         0.0           10 NP         282.1         4001         22.0         0.0 <td></td> <td colspan="2"></td> <td></td> <td></td> <td></td> <td>23.45</td> <td></td> <td></td>							23.45		
5         0         200         400         220         23         0         0           1         1         2002         100         200         0         0         0           1         2002         100         200         0         0         0         0           1         2002         100         200         0         0         0         0           2         2003         100         220         0         0         0         0           1         2         2003         100         220         0         0         0         0           2         2         2         0 <td></td> <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> <td>23</td> <td>0-1</td>								23	0-1
1         1         2         1         2         0         0           1         1         2         2         2         2         0         0           1         1         2         2         2         2         0         0         0           1         1         2         2         2         2         0         0         0           1         1         1         1         1         0									
1         1         2         2         2         2         0         0           1         12.88         0         2         22.92         23         0         0           1         2         2         2         2         2         0         0         0           1         2         2         2         2         2         0         0         0           1         2         2         2         2         0         0         0         0           1         2         2         2         2         2         0 <td< td=""><td></td><td colspan="2">QPSK</td><td>0</td><td></td><td></td><td></td><td></td><td></td></td<>		QPSK		0					
1         Partial         Par									
1         1									
1         1         28.0         21.0         23.0         0.01           1         201.1         416.0         22.0         23.0         0.01           2         201.1         416.0         22.0         23.0         0.01           2         201.1         416.0         22.0         23.0         0.01           2         201.1         416.0         22.0         23.0         0.01           2         2         20.0         23.0         0.01         0.01           2         2         20.0         23.0         0.01         0.01           2         2         20.0         0.01         0.01         0.01         0.01           2         2         20.0         20.0         0.01					2547.8	40148			
5         10         201. 900				6		40620	22.62	23	0-1
1         1         288         3075         2292         23         0-1           2403         1030         2207         23         0         0           2403         1030         2207         23         0         0           2403         1030         2207         23         0         0           2403         1030         2207         23         0         0           2403         1030         2207         23         0         0           2403         1030         2207         23         0         0           2403         1030         2207         23         0         0           2403         1030         2207         23         0         0           2403         1030         2207         23         0         0           2803         1030         2207         23         0         0           2803         1030         2207         23         0         0           2803         1030         2207         23         0         0           2804         200         2100         2207         0         0         0									
5         13         2013         4048         22.67         23         6-1           2003         4050         22.72         23         60         61           2003         4050         22.72         23         61         61           2003         4050         22.72         23         61         61           2004         4103         22.72         23         61         61           2004         4103         22.72         23         61         61           2004         4103         22.97         23         61         61           2004         2005         22.97         23         61         61           2004         4103         22.97         23         61         61           2004         4103         22.97         23         61         61           2004         4103         22.97         23         61         61           2004         4103         22.91         23         61         61           2004         4103         22.91         23         61         61           2004         4103         22.91         23         61 <t< td=""><td></td><td colspan="2"></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
1         13         280         4000         2272         23         0-1           24013         1013         2202         23         0         0           2880         9955         2202         23         0         0           2880         9955         2202         23         0         0           2880         9955         2202         23         0         0           2880         9955         2202         23         0         0           2880         9955         2202         23         0         0           2880         9955         2202         23         0         0           2881         9855         2291         23         0         0           2881         9855         2291         23         0         0           2881         9855         2291         23         0         0           2897         1985         2292         23         0         0           2897         1985         2293         23         0         0           2897         1985         2297         23         0         0         0 <td< td=""><td></td><td colspan="2"></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
5         10         2003         1003         2209         23         0-1           2819         1056         22(2)         23         0         0           2819         1056         22(2)         23         0         0           2819         1055         22(2)         23         0         0           2819         1055         22(4)         23         0         0           2819         1055         22(4)         23         0         0           2818         1055         22(5)         23         0         0           2818         1055         22(5)         23         0         0           2819         1055         22(5)         23         0         0           2817         1016         22(2)         23         0         0           2818         1055         22(8)         23         0         0           241         2418         22(8)         23         0         0           241         2418         22(8)         23         0         0           242         22(8)         23         0         0         0				13			22.72		
5         16-04         2007         20         0         0           16         2803         4103         2207         23         0         0           2807         4103         2207         23         0         0           2807         4103         2204         23         0         0           2807         4108         2207         23         0         0           2807         4105         2217         23         0         0           2807         4105         2274         23         0         0           2807         4105         2274         23         0         0           2807         4105         2274         23         0         0           2807         4003         2208         23         0         0           16         2807         4000         2275         23         0         0           16         2807         209         23         0         0         0           16         2807         209         23         0         0         0           2807         209         209         20         0					2640.3	41093	22.69	23	0-1
5         10-04         2283         40148         2272         23         0-1           283         4020         2207         23         0-1         0           280         2025         4020         2207         23         0-1           280         2808         2219         23         0-1           280         2807         2201         23         0-1           280         2807         2201         23         0-1           280         2807         2201         23         0-1           280         2807         2201         23         0-1           280         2807         2201         23         0-1           280         2807         2201         23         0-1           280         2807         2203         23         0-1           280         2807         2203         23         0-1           280         2807         220         23         0-1           280         2807         220         0         2           280         2807         220         0         2           280         2807         2103         22					2687.5	41565	22.62	23	0-1
5         1288         289         4600         2267         23         0-1           2643         4003         2264         23         0-1           2643         4003         2264         23         0-1           2647         4008         229         23         0-1           2847         4016         229         23         0-1           2847         4016         229         23         0-1           2847         4018         2291         23         0-1           2847         4018         2291         23         0-1           2847         4018         2291         23         0-1           2847         4018         2291         23         0-1           210         2403         4000         220         23         0-1           244         238         230         0-1         0-1         0-1           244         238         220         23         0-1         0-1           244         238         2307         23         0-1         0-1           244         238         3075         2197         23         0-1			_						
5         10-04         2003         41093         22.64         23         0-1           2607.3         307.4         22.90         23         0.1           2007.3         307.4         22.90         23         0.1           2807.4         4050         22.90         23         0.1           2807.4         1056         22.74         23         0.1           2807.4         1058         22.74         23         0.1           2807.4         1058         22.74         23         0.1           2807.4         1058         22.94         23         0.1           2807.4         1058         22.94         23         0.1           2807.4         1058         22.98         23         0.1           2807.4         1058         22.98         23         0.1           2807.4         1058         22.99         23         0.1           2807.4         1058         22.99         23         0.1           2807.4         1058         22.97         0.2         0.2           2808         1058         22.97         0.2         0.2           2808         1059         2				5PR					
5         10-04         2246         23         0-1           16         2485         3075         2219         23         0-1           2803         3075         2219         23         0-1           2803         3075         2219         23         0-1           2803         3075         2219         23         0-1           2803         3075         2219         23         0-1           2803         3075         2219         23         0-1           2803         3075         2239         23         0-1           2803         3075         2239         23         0-1           2803         3075         2239         23         0-1           2803         3075         2239         23         0-1           2803         3075         2109         23         0-1           2803         3075         2109         23         0-1           2803         3075         2109         23         0-1           2803         3075         2169         23         0-1           2803         3075         2169         23         0-1			23						
5         16-04         22.91         23         0-1           16         0         257.3         0.03         0.01           2807.4         1953         22.72         23         0-1           2807.5         1955         22.74         23         0-1           2807.5         1955         22.74         23         0-1           2807.5         1955         22.74         23         0-1           2807.5         1956         22.91         23         0-1           2807.5         1956         22.92         23         0-1           2807.5         1956         22.98         23         0-1           2807.5         1956         22.98         23         0-1           2807.5         1956         22.98         23         0-1           2807.5         1956         22.99         23         0-1           2807.5         1956         21.97         23         0-1           2807.5         1956         21.97         22         0-2           2807.5         1956         21.97         22         0-2           2807.5         1956         21.97         22         0-2 <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			1						
5         16-0M									
5         16-QM         14-03         4405         2274         23         0-1           18         12         2865         3867         2291         23         0-1           2485         3867         2291         23         0-1         0-1           2485         3867         2293         23         0-1           2485         3867         2293         23         0-1           2875         3455         2293         23         0-1           2875         3455         2293         23         0-1           2875         3455         2293         23         0-1           2875         3455         2293         23         0-1           2875         3455         2293         23         0-1           2875         3455         2265         23         0-1           2875         3455         2197         22         0-2           2875         3957         2191         22         0-2           2875         3957         2194         22         0-2           2875         3957         2194         22         0-2           2875         3957 <td></td> <td></td> <td> </td> <td>1</td> <td>2547.8</td> <td>40148</td> <td></td> <td>23</td> <td>0-1</td>				1	2547.8	40148		23	0-1
5         16-044         2         2         4150         2211         23         0-1           18         1         2886         39876         2231         0.1           2846         39876         223         0.1         0.1           2847         40148         223         0.1         0.1           2847         40148         2249         23         0.1           2848         39875         2238         23         0.1           2848         39875         2238         23         0.1           2848         39875         2238         23         0.1           2848         39875         2238         23         0.1           2953         4000         2173         22         0.2           2953         4000         2173         22         0.2           2953         4000         2170         22         0.2           2953         4020         2170         22         0.2           2953         4020         2177         22         0.2           2954         40140         2177         22         0.2           2954         40140         2			1	0		40620			
5         16-0M         1         2         2         0-1           6         1         2         2         2         0         0-1           10         1         2         2         2         2         0         0-1           2         2         0         0         0         0         0         0           2         2         0         0         0         0         0         0           2         2         2         0 <t< td=""><td></td><td></td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td></td></t<>			1	1					
5         188         1         2873         4048         2242         23         0-1           2803         4020         2282         23         0-1           2803         4020         2282         23         0-1           2803         4020         2283         0-1         0-1           2803         4020         2283         0-1         0-1           2803         4020         2273         0-3         0-1           2803         4020         2273         0-3         0-1           2803         4020         2273         0-3         0-1           2803         4050         2279         0-2         0-2           2803         4050         2177         0-2         0-2           2803         4050         2177         0-2         0-2           2803         4050         2177         0-2         0-2           2803         4050         2177         0-2         0-2           2803         4050         2147         0-2         0-2           2803         4050         2147         0-2         0-2           2803         4050         2146							22.74		
5         188         1         283         4080         2282         23         0-1           2897.5         4109         2282         23         0-1           2897.5         4109         2282         23         0-1           2897.5         4109         2283         23         0-1           2897.5         4109         2273         23         0-1           2897.5         4109         2273         23         0-1           2897.5         4109         2273         23         0-1           2897.5         4109         2279         23         0-1           2897.5         4109         2179         22         0-2           2897.5         4109         2179         22         0-2           2897.5         4109         2179         22         0-2           2897.5         4109         2179         22         0-2           2897.5         4109         2179         22         0-2           2897.5         4109         2179         22         0-2           2897.5         4109         2179         22         0-2           2897.5         4109         2				1					
5         16-QAM         2877.5         41565         22.93         23.3         0-1           268.5         39675         22.83         23.3         0-1           269.7         41060         22.73         23.3         0-1           269.7         41060         22.75         23.3         0-1           269.7         41060         22.75         23.3         0-1           269.7         41080         22.75         23.3         0.1           269.7         41080         22.75         23.3         0.1           269.7         405.0         21.97         22.2         0.2           269.7         405.0         21.70         22.2         0.2           269.7         4169.5         21.97         22.2         0.2           269.7         4169.5         21.97         22.2         0.2           269.7         4169.5         21.67         22.2         0.2           287.5         4169.5         21.67         22.2         0.2           287.6         4169.5         21.67         22.2         0.2           287.6         4169.5         21.77         22.2         0.2           287.8 <td></td> <td></td> <td rowspan="4">1 RB</td> <td>12</td> <td></td> <td>40620</td> <td></td> <td></td> <td></td>			1 RB	12		40620			
5         16.04M         248.5         3967         22.39         23         0-1           26         265.7         40480         22.88         23         0-1           26         40620         22.79         23         0-1           260.7         40620         22.79         23         0-1           260.7         40620         22.79         23         0-1           260.7         40620         22.79         23         0-1           260.7         40620         21.70         22         0-2           260.7         40620         21.70         22         0-2           260.7         41695         21.67         22         0-2           260.7         41695         21.67         22         0-2           260.7         41695         21.67         22         0-2           260.7         41695         21.67         22         0-2           260.7         41695         21.67         22         0-2           260.7         41695         21.67         22         0-2           260.7         41695         21.67         22         0-2           260.7         41695<						41093	22.82	23	0-1
5         16-0AM         2247         4014         2288         23         0-1           5         16-0AM         1         2003         41003         22179         23         0-1           2005         41093         22179         23         0-1         0.1           2005         41093         22179         23         0-1           2005         41093         22179         22         0-2           2607         41093         21109         22         0-2           2607         41093         2109         22         0-2           2607         41083         2109         22         0-2           2607         41083         2107         22         0-2           2607         41083         2177         22         0-2           2607         41083         2177         22         0-2           2607         41083         2178         22         0-2           2607         41083         2177         22         0-2           2607         41083         2177         22         0-2           2607         41083         2177         22         0-2      2									
5         16-QM         24         293         4003         2273         23         0-1           2687.5         4103         2273         23         0-1           2687.5         3967.5         2167         23         0-1           2687.5         3967.5         2167         22         0-2           2687.5         41665         2179         22         0-2           2897.5         41665         2152         22         0-2           2897.5         41665         2169         22         0-2           2897.5         41665         2169         22         0-2           2897.5         4168         21.17         22         0-2           2803.5         30675         2168         22         0-2           2803.5         4053         2167         22         0-2           2803.5         30675         2168         22         0-2           13         2803         4053         2177         22         0-2           2803.5         30675         2168         22         0-2           2803.5         30675         2168         22         0-2           2803.5									
5         16:04M         9         22473         23         0-1           5         16:04M         1         2485.5         38075         2.197         22         0.2           25         16:04M         1         2485.5         38075         2.197         22         0.2           2617.4         40148         2178         22         0.2         0.2           2617.4         40148         2179         22         0.2         0.2           2805.5         38075         2194         22         0.2         0.2           2805.5         38075         2194         22         0.2         0.2           2807.5         41060         22         0.2         0.2         0.2           2807.5         41060         22         0.2         0.2         0.2           2807.5         41060         2177         22         0.2         0.2           2807.5         30675         2184         22         0.2         0.2           2807.5         41063         2177         22         0.2         0.2           2807.5         30675         2285         233         0.1         0.2				24					
5         16-QAM         2887.5         41965         22.087.5         23.09         0-2           5         16-QAM         0         2647.3         40148         21.779         22         0-2           25         3697.5         11962         21.70         22         0.2         0.2           2547.3         40163         21.70         22         0.2         0.2           2498.5         3987.5         21.94         22.2         0.2         0.2           2498.5         3987.5         21.94         22.2         0.2         0.2           2498.5         3987.5         21.98         22         0.2         0.2           2640.3         4003         21.68         22         0.2         0.2           2498.5         3987.5         21.84         22         0.2         0.2           249.6         3987.5         21.88         22         0.2         0.2           249.8         3987.5         21.88         22         0.2         0.2           249.8         3987.5         21.88         22         0.2         0.2           249.8         3987.5         21.88         22         0.2         0.2									
5         16:QAM         2         227.8         40148         2.17.8         2.2         0.2           280.3         4050.0         21.70         22.0         0.2           280.4         280.5         38075         21.93         22.0         0.2           280.5         38075         21.94         22.0         0.2           280.5         38075         21.94         22.0         0.2           280.7         41965         216.2         22.0         0.2           280.7         41963         21.17         22.0         0.2           280.8         39075         21.84         22.0         0.2           280.7         41965         21.65         22.0         0.2           280.8         39075         21.84         22.0         0.2           280.7         41965         21.65         22.0         0.2           280.7         41965         21.65         22.0         0.2           280.7         41965         21.75         22.0         0.2           280.7         41965         21.75         22.0         0.2           280.7         41965         21.75         22.0         0.2									
5         16-QAM         0         2583         40620         2170         22         0-2           2687.5         41955         2152         22         0-2           2687.5         41955         2152         22         0-2           2687.5         41955         2119         22         0-2           2687.8         40148         2177         22         0-2           2697.8         40148         2177         22         0-2           2697.8         40163         2160         22         0-2           2697.6         41963         2160         22         0-2           2697.6         41963         2160         22         0-2           2697.7         41963         2167         22         0-2           2697.8         40164         2177         22         0-2           2697.8         40164         2176         22         0-2           2697.8         40163         2167         22         0-2           2697.5         41955         2158         22         0-2           2697.5         41955         2255         23         0-1           2697.5         4195									
64-QAM									
44                287.5             41565             2152             2194             22             0-2	5	16-QAM		0	2593				
64-QAM         2498.5         39876         21.94         22         0-2           12 R8         6         2843.3         40620         21.69         22         0-2           2687.5         411665         21.68         22         0-2           2687.5         411665         21.62         22         0-2           2687.5         41166         21.73         22         0-2           264.6         39675         21.84         22         0-2           2868.6         41662         21.53         22         0-2           2868.6         41662         21.53         22         0-2           2868.6         41660         21.73         22         0-2           2868.7         41033         21.76         22         0-2           287.8         40148         21.78         22         0-2           287.8         40103         21.76         22         0-2           288.7         39876         22.86         23         0-1           289.7         40403         22.85         23         0-1           289.7         40403         22.87         23         0-1           289.7			12 RB						
12 RB 24 R3               24 7.8          40146          21 7.7          22          0-2            2840.3          1033          21 68          22          0-2            2840.3          1035          21 62          22          0-2            2448.5          39375          21 62          22          0-2            2438.5          39375          21 62          0-2          0-2            2438.5          39375          21 67          22          0-2            2588          2587.5          11 66          21 67          0-2            2448.5          39675          21 66          0-2          0-2            248.5          34052          21 75          22          0-2            249.5          34052          21 75          22          0-1            249.7          40148          21 75          22          0-1            249									
64-QAM 188               240,3             41093             21,68             22             0-2									
64-QAM 1 RB               287.5             41965             21.62             22             0.2				6					
64-QAM         18         2498.5         39675         21.84         22         0-2           13         2593         40620         21.73         22         0-2           2693.5         41665         21.53         22         0-2           287.5         41665         21.53         22         0-2           287.5         41665         21.53         22         0-2           2547.8         40148         21.76         22         0-2           2547.8         40165         21.75         22         0-2           2640.3         41083         21.76         22         0-2           2640.3         41083         21.76         22         0-2           2697.5         41565         22.86         23         0-1           2697.5         41565         22.74         23         0-1           2697.5         41565         22.77         23         0-1           2697.5         41565         22.77         23         0-1           2697.5         41665         22.93         23         0-1           2697.5         41565         22.93         23         0-1           2697.5									
64-QAM         13         2547.8 2593         40/020         21.73         22         0.2           2840.3         41/03         21.67         22         0.2           2840.4         41/03         21.67         22         0.2           2847.5         41/565         21.53         22         0.2           2878         40/03         21.76         22         0.2           2878         40/03         21.76         22         0.2           2878         40/03         21.76         22         0.2           2875         41/565         21.58         22         0.2           2875         41/565         21.76         22         0.2           2875         41/565         21.58         23         0.1           2875         41/565         22.85         23         0.1           2875         41/565         22.70         23         0.1           2875         41/565         22.77         23         0.1           2875         41/565         22.93         23         0.1           2840.5         39075         22.89         23         0.1           24         2893						41565	21.62		
64-QAM         13         2593 2694.3 2897.5         41565 21.67         22 22         0-2 0-2           25RB         2894.3         41083         21.67         22         0-2           26RB         2897.5         41565         21.53         22         0-2           2547.8         40148         21.78         22         0-2           2547.8         40148         21.78         22         0-2           2640.3         41093         21.76         22         0-2           2640.3         41093         21.76         22         0-2           2640.3         41093         21.76         22         0-2           2640.3         41093         22.74         23         0-1           2593         40620         22.74         23         0-1           2697.5         41565         22.77         23         0-1           2697.5         41565         22.93         23         0-1           2697.5         41565         22.93         23         0-1           2697.5         41565         22.93         23         0-1           2697.5         41565         22.93         0-2         0-2      <							40148		
64-OAM         64-OAM         12 887.5         41565         21.53         22         0-2           84-OAM         12 887.5         41048         21.78         22         0-2           2588         2593         40620         21.75         22         0-2           2640.3         41033         21.76         22         0-2           2640.3         41055         22.85         23         0-1           2637.5         41656         22.85         23         0-1           2533         40620         22.74         23         0-1           2640.3         41093         22.74         23         0-1           2640.3         41665         22.89         23         0-1           2647.8         40148         22.33         0.1         0           2647.5         41665         22.87         23         0-1           2647.5         41665         22.93         23         0.1           2647.5         41665         22.93         23         0.1           2640.3         41093         22.77         23         0.1           2640.3         41093         22.77         23         0.1				13	2593				
64-QAM         9875         21.86         22         0-2           84-0AM         2587.8         40148         21.75         22         0-2           2593         40620         21.75         22         0-2           2593         40620         21.75         22         0-2           2640.3         41093         21.76         22         0-2           2687.5         41565         22.85         23         0-1           2593         40620         22.92         23         0-1           2593         40048         22.85         23         0-1           2640.3         41093         22.77         23         0-1           267.5         41565         22.70         23         0-1           2687.5         41593         22.77         23         0-1           2640.3         41093         22.77         23         0-1           2640.3         41093         22.77         23         0-1           2640.3         41093         22.77         23         0-1           2640.3         41093         22.78         23         0-1           2640.3         41093         22.83									
64-QAM         12 RB         257.8         40/148         21.78         22         0-2           12 RB         2593         40620         21.75         22         0-2           2640.3         41093         21.76         22         0-2           2687.5         41565         22.85         23         0-1           2587.8         40148         22.85         23         0-1           2587.5         41565         22.92         23         0-1           2587.5         40148         22.87         23         0-1           2583         40620         22.92         23         0-1           2587.5         41565         22.67         23         0-1           2587.5         41565         22.87         23         0-1           259.3         40620         22.81         23         0-1           2547.8         40148         22.84         23         0-1           2640.3         41093         22.77         23         0-1           2640.3         40193         22.78         23         0-1           2640.3         40193         22.77         23         0-1           2649.5 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
64-QAM         258B         2593         40620         21.75         22         0-2           84-QAM         1785         21.06         22         0-2           18B         128         2403.5         319675         22.85         23.3         0-1           2540.3         40148         22.88         23.3         0-1           2540.3         40193         22.74         23.3         0-1           2640.5         410620         22.82         23.3         0-1           2640.3         41093         22.74         23.3         0-1           2640.5         41665         22.70         23.3         0-1           2640.5         41093         22.77         23.3         0-1           2640.3         41093         22.77         23.3         0-1           2640.3         41093         22.77         23.3         0-1           2640.3         41093         22.77         23.3         0-1           2647.5         41665         22.90         23.3         0-1           2647.5         40148         22.89         23.3         0-1           2647.5         41656         22.61         23.3									
64-QAM         0         2403         41093         21.76         22         0-2           84-QAM         1         2687.5         314565         22.85         23         0-1           1         2583         30675         22.85         23         0-1           2593         40620         22.92         23         0-1           2687.5         31565         22.87         23         0-1           2640.3         41093         22.74         23         0-1           2640.3         41052         22.87         23         0-1           2640.3         40180         22.93         23         0-1           2547.8         40148         22.93         23         0-1           2640.3         41093         22.77         23         0-1           2647.8         40148         22.83         23         0-1           2647.4         40148         22.83         23         0-1           2647.5         41565         22.93         23         0-1           2647.4         40148         22.72         23         0-1           2647.5         41565         22.80         23         0-1			2	5RB			21.75		
64-QAM         1         2887.5         41665         21.88         22         0-2           84-QAM         1         2498.5         39675         22.85         23         0-1           1         2593         40620         22.82         23         0-1           2640.3         41093         22.92         23         0-1           2687.5         41665         22.70         23         0-1           2687.5         41665         22.70         23         0-1           2687.5         41665         22.70         23         0-1           2687.5         41665         22.93         23         0-1           269.3         40620         22.81         23         0-1           2687.5         41565         22.90         23         0-1           2687.5         41565         22.90         23         0-1           2687.5         41565         22.90         23         0-1           2640.3         40193         22.77         23         0-1           2647.8         40148         21.77         23         0-1           2647.5         41565         22.40         2         0-2			-						
64-QAM         0 257.8 40020 2293 2274 2293 2274 229 223 0-1 2295.3 0-1 2295.3 2267.5 2267.5 2267.7 223 0-1 2298.5 2298.5 2298.5 2298.5 2298.5 2298.7 2298.4 2298.4 2298.4 2298.4 2298.4 2298.4 2298.4 2298.4 2293 223 0.1 2293.4 0.1 2293.4 0.1 2293.4 0.1 2293.4 0.1 2293.4 0.1 2293.4 0.1 2293.4 0.1 2293.4 0.1 229.0 23.4 0.1 229.4 0.1 229.4 0.1 229.4 0.1 229.4 0.1 229.4 0.1 229.4 0.1 229.4 0.2					2687.5	41565	21.58	22	0-2
64-QAM         0         2593         40620         22.92         23         0-1           1 RB         1         2260.3         41093         22.74         23         0-1           2867.5         41965         22.07         23         0-1           2867.5         41965         22.87         23         0-1           2867.5         40620         22.81         23         0-1           2543.3         40620         22.81         23         0-1           2667.5         41665         22.93         23         0-1           2667.5         41665         22.93         23         0-1           2667.5         41665         22.93         23         0-1           2667.5         41665         22.93         23         0-1           2640.3         40193         22.77         23         0-1           2640.3         4050         22.78         23         0-1           2640.3         41093         22.78         23         0-1           2647.5         41655         21.93         22         0-2           2647.5         41655         21.93         22         0-2									
64-QAM         1         2260.3         41093         22.74         23         0-1           1 RB         12         2287.5         31565         22.87         23         0-1           1 RB         12         2593.5         0.148         22.93         23         0-1           2494.5         3967.5         22.87         23         0-1         0.1           2494.5         3967.5         22.81         23         0-1           2494.5         3967.5         22.90         23         0-1           2494.5         3967.5         22.90         23         0-1           2449.5         3967.5         22.90         23         0-1           257.8         40193         22.77         23         0-1           2547.8         40193         22.72         23         0-1           2547.8         40193         22.77         23         0-1           2640.3         41093         22.77         23         0-1           2547.8         40148         21.77         22         0-2           2547.8         40193         21.67         22         0-2           2547.8         40184         21.7				~					
64-QAM         1         287.5         41665         22.70         23         0-1           84-QAM         12         2498.5         39675         22.87         23         0-1           2547.8         40148         22.93         23         0-1           2563         40020         22.81         23         0-1           2687.5         41665         22.93         23         0-1           2687.5         34565         22.93         23         0-1           244         2495.5         39675         22.93         23         0-1           244         2563         40620         22.77         23         0-1           249.5         39675         22.90         23         0-1           249.5         39675         22.93         23         0-1           249.5         39675         21.93         23         0-1           249.5         39675         21.93         23         0-1           249.5         39675         21.93         22         0-2           2547.8         40148         21.77         22         0-2           2540.3         41093         21.67         22			1	U		40020	22.92		
64-QAM         0         2498.5         3967.5         22.87         23         0-1           78.8         12         2547.8         40148         22.93         2.3         0-1           2547.8         40148         22.93         2.3         0-1           2640.3         41093         22.77         2.3         0-1           2687.5         41565         22.90         2.3         0-1           2488.5         39675         22.90         2.3         0-1           2498.5         39675         22.90         2.3         0-1           2640.3         40193         22.77         2.3         0-1           287.8         40148         22.81         2.3         0-1           2867.5         41565         22.60         2.3         0-1           2867.5         41565         2.2.61         2.3         0-1           2867.5         41565         2.1.33         2.2         0-2           2547.8         40148         21.77         2.2         0-2           2547.8         40184         21.73         2.2         0-2           2640.3         4109.3         21.67         2.2         0-2			1	1					
64-QAM         1         2         2         2         2         0-1           84-QAM         1         12         2         593         40620         22.81         23         0-1           2         2         593         40620         22.81         23         0-1           2         2         7         23         0-1         2         2         0-1           2         2         7         23         0-1         2         0         1           2         2         2         23         0-1         <					2498.5	39675			
64-QAM         64-QAM<					2547.8	40148	22.93	23	0-1
64-QAM         2887.5         41665         22.93         23         0-1           2498.5         39675         22.90         23         0-1           249.4         239         0.1         0.1           249.5         39675         22.90         23         0.1           259.3         40620         22.72         23         0.1           269.3         40620         22.72         23         0.1           2687.5         41565         22.61         23         0.1           2687.5         41565         22.61         23         0.1           2687.5         41565         22.61         23         0.1           2687.5         41565         22.61         23         0.1           2687.5         41565         22.61         23         0.2           2547.8         40148         21.77         22         0.2           2640.3         41093         21.67         22         0.2           2847.5         39675         21.90         22         0.2           2498.5         39675         21.90         22         0.2           2687.5         41565         22         0.2			1 RB	12	0040.0		00.77	23	0-1
64-QAM         2489.5         39675         22.90         23         0-1           249         2547.8         40148         22.84         23         0-1           2640.3         40620         22.72         23         0-1           2640.3         40193         22.78         23         0-1           2847.8         40193         22.72         23         0-1           2847.8         41903         22.72         23         0-1           2847.8         41903         22.61         23         0-1           2847.8         40148         21.77         22         0-2           247.8         40148         21.77         22         0-2           260.3         40193         21.67         22         0-2           2640.3         40193         21.67         22         0-2           267.5         41565         21.48         22         0-2           2640.3         40193         21.67         22         0-2           2640.3         41093         21.67         22         0-2           2649.5         39675         21.80         22         0-2           2647.5         41655 </td <td></td> <td></td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> <td>23</td> <td>U-1 0-1</td>			1	1				23	U-1 0-1
64-QAM         24         25478         40148         22.84         23         0-1           64-QAM         2533         40620         22.72         23         0-1           2640.3         41093         22.76         23         0-1           2640.4         41093         22.76         23         0-1           2640.5         41665         22.61         23         0-1           2687.5         41666         22.61         23         0-1           2687.5         41083         21.77         22         0-2           2547.8         40148         21.77         22         0-2           2687.5         41665         21.48         22         0-2           2687.5         41685         21.48         22         0-2           2687.5         41685         21.48         22         0-2           2687.5         41685         21.49         22         0-2           2687.5         40620         21.67         22         0-2           2687.5         40620         21.67         22         0-2           2687.5         41655         21.82         22         0-2           2687.5 </td <td></td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
64-QAM         24         2593         40620         22.72         23         0-1           2640.3         41093         22.78         23         0-1           2867.5         41695         22.61         23         0-1           2867.5         41695         22.61         23         0-2           2867.5         41695         22.61         23         0-2           2540.3         40620         21.68         22         0-2           2640.3         41093         21.67         22         0-2           2640.3         41093         21.67         22         0-2           2647.5         41565         21.48         22         0-2           2647.5         41565         21.49         22         0-2           2647.5         41565         21.49         22         0-2           2640.3         41093         21.67         22         0-2           2687.5         41565         21.80         22         0-2           2640.3         41093         21.67         22         0-2           2687.5         340520         21.80         22         0-2           2640.3         41093<				1					
64-QAM         2887.5         41565         22.61         23         0-1           64-QAM         2         2498.5         39675         21.93         22         0-2           2547.8         40148         21.77         22         0-2           2563         40620         21.68         22         0-2           2640.3         41093         21.67         22         0-2           2647.5         41565         21.49         22         0-2           2647.5         41565         21.49         22         0-2           2647.5         40560         21.67         22         0-2           2647.5         40565         21.49         22         0-2           2647.5         40565         21.90         22         0-2           2647.5         40565         21.60         22         0-2           2647.8         40148         21.73         22         0-2           2647.5         34505         21.80         22         0-2           2647.5         39675         21.82         22         0-2           2547.8         40148         21.63         22         0-2           2547.8 </td <td></td> <td></td> <td> </td> <td>24</td> <td>2593</td> <td>40620</td> <td>22.72</td> <td>23</td> <td>0-1</td>				24	2593	40620	22.72	23	0-1
64-QAM         2498.5         39675         21.93         22         0-2           64-QAM         2547.8         40148         21.77         22         0-2           2640.3         41093         21.67         22         0-2           2687.5         41565         21.48         22         0-2           2687.5         41565         21.48         22         0-2           2687.5         41565         21.48         22         0-2           2498.5         39675         21.90         22         0-2           2498.5         39675         21.90         22         0-2           2498.5         39675         21.90         22         0-2           2547.8         40148         21.73         22         0-2           2640.3         41093         21.67         22         0-2           2647.8         40148         21.73         22         0-2           2687.5         41565         21.69         22         0-2           2687.5         40148         21.69         22         0-2           2547.8         40149         21.69         22         0-2           2640.3         4			1	1					
64-QAM         0 2547.8             40148             21.77             22             0.2			L						
64-QAM         0         2593         40620         21.68         22         0-2           2640.3         41093         21.67         22         0-2           2887.5         41565         21.48         22         0-2           2887.5         41565         21.48         22         0-2           2887.5         40148         21.73         22         0-2           2540.3         40620         21.65         222         0-2           2887.5         41665         21.60         22         0-2           2849.5         39675         21.60         22         0-2           2847.5         41665         21.60         22         0-2           2847.5         341665         21.60         22         0-2           2847.5         341665         21.82         22         0-2           2495.5         39675         21.82         22         0-2           2593         40620         21.63         22         0-2           2647.5         41665         21.49         22         0-2           2487.5         39675         21.85         22         0-2           2487.8         40148 </td <td></td> <td></td> <td> </td> <td>1</td> <td>2498.5</td> <td></td> <td>21.93</td> <td></td> <td></td>				1	2498.5		21.93		
2840.3         41093         21.67         22         0-2           2875.5         41565         21.48         222         0-2           2498.5         39675         21.90         22         0-2           2587.5         40148         21.73         22         0-2           269.7         40148         21.73         22         0-2           269.7         40620         21.65         22         0-2           2687.5         41565         21.67         22         0-2           2687.5         41565         21.60         22         0-2           2687.5         41565         21.80         22         0-2           2887.5         4050         22         0-2         0-2           2887.5         40148         21.63         22         0-2           2840.3         401903         21.63         22         0-2           2847.8         40148         21.63         22         0-2           2847.5         41655         21.49         22         0-2           2847.5         40148         21.76         22         0-2           2547.8         40148         21.73         22 <td></td> <td>64-QAM</td> <td>1</td> <td>0</td> <td></td> <td></td> <td>21.77</td> <td></td> <td></td>		64-QAM	1	0			21.77		
12 RB         6         2887.5         41665         21.48         22         0-2           2495.5         39675         21.90         22         0-2           2547.8         40148         21.73         22         0-2           2549.5         39675         21.90         22         0-2           2647.8         40148         21.73         22         0-2           2640.3         41093         21.67         22         0-2           2647.5         314565         21.80         22         0-2           2409.5         39675         21.82         22         0-2           2409.5         39675         21.82         22         0-2           2547.8         40148         21.66         22         0-2           2547.8         40148         21.66         22         0-2           2647.5         340520         21.63         22         0-2           2647.5         341665         21.49         22         0-2           2487.5         39675         21.85         22         0-2           2547.8         40148         21.76         22         0-2           2498.5         3967			1	Ŭ					
12 R8         6         2498.5         39675         21.90         22         0-2           2547.8         40148         21.73         22         0.2           2547.8         40193         21.65         22         0.2           2640.3         41093         21.67         22         0.2           2687.5         41665         21.60         22         0.2           2687.5         41665         21.60         22         0.2           2498.5         39675         21.82         22         0.2           2547.8         40148         21.68         22         0.2           2498.5         39675         21.82         22         0.2           2547.8         40148         21.63         22         0.2           2640.3         41093         21.63         22         0.2           2647.5         41565         21.49         22         0.2           2647.5         41565         21.49         22         0.2           2647.5         41565         21.49         22         0.2           2547.8         40148         21.75         22         0.2           2547.8         40148 </td <td></td> <td></td> <td> </td> <td></td> <td>2687.5</td> <td>41565</td> <td>21.48</td> <td>22</td> <td>0-2</td>					2687.5	41565	21.48	22	0-2
12 RB         6         2593 2640.3         40620 41093         21.65         22         0-2           2640.3         41093         21.67         222         0-2           2687.5         41565         21.60         22         0-2           26887.5         41565         21.60         22         0-2           2498.5         39675         21.82         22         0-2           2587.8         40148         21.68         22         0-2           2640.3         40193         21.63         22         0-2           2640.4         11903         21.63         22         0-2           2640.3         40193         21.63         22         0-2           2847.8         40193         21.63         22         0-2           2847.5         41565         21.49         22         0-2           2847.5         41565         21.49         22         0-2           2588         2587.8         40148         21.76         22         0-2           2594.3         40620         21.73         22         0-2					2498.5		21.90		0-2
2460.3         41093         21.67         22         0.2           2687.5         41565         21.60         22         0.2           13         2593.4         40148         21.68         22         0.2           13         2593.4         40620         21.69         22         0.2           2647.5         41093         21.63         22         0.2           2647.5         41056         21.89         22         0.2           2647.5         41656         21.49         22         0.2           2647.5         41656         21.49         22         0.2           2647.5         41656         21.49         22         0.2           2647.5         41656         21.49         22         0.2           2484.5         39675         21.85         22         0.2           2588         2593         40620         21.73         22         0.2           2593         40620         21.73         22         0.2			40.00	~					
2687.5         41565         21.60         22         0-2           2495.5         39675         21.82         22         0-2           13         2593         40620         21.69         22         0-2           2547.8         40148         21.68         22         0-2           2547.8         401620         21.69         22         0-2           2540.3         41093         21.63         22         0-2           2647.5         41565         21.49         22         0-2           2687.5         41565         21.49         22         0-2           2687.5         41565         21.89         22         0-2           2687.5         41565         21.85         22         0-2           258B         2547.8         40148         21.76         22         0-2           258B         2593         40620         21.73         22         0-2				6			21.65		
2498.5         39675         21.82         22         0-2           13         2547.8         40148         21.68         22         0-2           13         2593         40620         21.69         22         0-2           2647.8         40620         21.69         22         0-2           2640.3         41003         21.63         22         0-2           2687.5         41565         21.49         22         0-2           2498.5         39675         21.85         22         0-2           2498.5         39675         21.85         22         0-2           258B         2547.8         40148         21.76         22         0-2           2593         40620         21.73         22         0-2         0-2				1					
2587.8         40148         21.68         22         0-2           13         2593         40620         21.69         22         0-2           2640.3         41903         21.63         22         0-2           2687.5         41565         21.49         22         0-2           2687.5         41565         21.49         22         0-2           2588         2547.8         40148         21.76         22         0-2           2588         2693.3         40620         21.73         22         0-2							21.82		
13         2593         40620         21.69         22         0-2           2640.3         41093         21.63         22         0-2           2887.5         41585         21.49         22         0-2           2897.5         41585         21.49         22         0-2           2498.5         39675         21.85         22         0-2           2587.8         40148         21.76         22         0-2           2588         2593.3         40620         21.73         22         0-2			1	1	2547.8	40148	21.68	22	0-2
2687.5         41565         21.49         22         0-2           2495.5         39675         21.85         22         0-2           2547.8         40148         21.76         22         0-2           2588         2593         40620         21.73         22         0-2           2540.3         41903         21.72         22         0-2				13	2593	40620	21.69		0-2
2498.5         39675         21.85         22         0-2           2547.8         40148         21.76         22         0-2           2588         2593         40620         21.73         22         0-2           2640.3         41093         21.72         22         0-2				1			21.63		
2567.8         40148         21.76         22         0-2           2593         40620         21.73         22         0-2           2640.3         41093         21.72         22         0-2									
25RB         2593         40620         21.73         22         0-2           2640.3         41093         21.72         22         0-2			1						
<u>2640.3</u> 41093 21.72 22 0-2			2	5RB					
					2640.3	41093	21.72	22	0-2
							21.54	22	0-2

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					Band 66			
BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
			0	1720 1745	132072 132322	24.13 24.06	24.5 24.5	0
				1770	132572	24.14	24.5	0
				1720	132072		24.5	0
		1 RB	50	1745				
				1770 1720				
			99	1745				0
				1770	132572	23.79	24.5	0
				1720	132072	22.96	23.5	0-1
	QPSK		0	1745				
				1770 1720				
		50 RB	25	1720				
				1770	132572	22.87	23.5	0-1
				1720	132072	22.92	23.5	0-1
			50	1745	132322	22.85	23.5	
				1770				
		10	0RB	1720 1745				
		10	OND	1745				
				1720	132072	23.13	23.5	0-1
			0	1745	132322	23.19	23.5	0-1
				1770	$\begin{tabular}{ c c c c c c c } \hline Target \\ Power (dBm) & Target \\ Power + Max. \\ Tolerance (dBm) & MPR Allowed per \\ 3GPP(dB) & \\\hline 132072 & 24.13 & 24.5 & 0 \\ 132322 & 24.06 & 24.5 & 0 \\ 132572 & 24.14 & 24.5 & 0 \\ 132572 & 24.14 & 24.5 & 0 \\ 132072 & 23.85 & 24.5 & 0 \\ 132322 & 23.80 & 24.5 & 0 \\ 132572 & 23.90 & 24.5 & 0 \\ 132072 & 23.77 & 24.5 & 0 \\ 132072 & 23.77 & 24.5 & 0 \\ 132072 & 23.79 & 24.5 & 0 \\ 132272 & 23.84 & 24.5 & 0 \\ 132572 & 23.79 & 24.5 & 0 \\ 132072 & 22.96 & 23.5 & 0-1 \\ 132322 & 22.99 & 23.5 & 0-1 \\ 132572 & 22.97 & 23.5 & 0-1 \\ 132572 & 22.97 & 23.5 & 0-1 \\ 132572 & 22.97 & 23.5 & 0-1 \\ 132072 & 22.92 & 23.5 & 0-1 \\ 132072 & 22.92 & 23.5 & 0-1 \\ 132072 & 22.92 & 23.5 & 0-1 \\ 132072 & 22.92 & 23.5 & 0-1 \\ 132072 & 22.85 & 23.5 & 0-1 \\ 132072 & 22.87 & 23.5 & 0-1 \\ 132072 & 22.97 & 23.5 & 0-1 \\ 132072 & 22.97 & 23.5 & 0-1 \\ 132072 & 22.97 & 23.5 & 0-1 \\ 132072 & 23.01 & 23.5 & 0-1 \\ 132072 & 23.01 & 23.5 & 0-1 \\ 132072 & 23.01 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 132072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 23.13 & 23.5 & 0-1 \\ 23072 & 2301 & 23.5 & 0-1 \\ 23072 & 2301 & 23072 & 2301 & 23072 \\ 2301 & 23072 & 2301 & 23072 & 23072 & 23072 & 23072 & 23072 & 23072 & 23072 & 23072$			
		1 RB	50	1720		Conducted power (dBm)         Target Power (dBm)         MPR Allowed per 3GPP(dB)           2072         24.13         24.5         0           2322         24.06         24.5         0           2572         24.14         24.5         0           2322         23.80         24.5         0           2322         23.80         24.5         0           2322         23.84         24.5         0           2322         23.84         24.5         0           2322         23.84         24.5         0           2322         23.84         24.5         0           2322         23.84         24.5         0           2322         23.84         24.5         0           2322         23.84         24.5         0           2322         23.84         23.5         0-1           2322         22.97         23.5         0-1           2322         22.97         23.5         0-1           2322         23.5         0-1         2322           23.6         0.1         23.5         0-1           2322         23.5         0-1         23.5         0-1		
		IKD	50	1745 1770				
				1720				3GPP(dB)           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0           0.1           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2           0.2
			99	1745				
				1770	132572	23.20	23.5	0-1
				1720				
20	16-QAM		0	1745 1770				
			25	1720				
		50 RB		1745				
				1770	132572	21.85	22.5	0-2
				1720				
			50	1745				
				1770 1720				
		10	0RB	1745				
				1770				
				1720	132072		23.5	0-1
			0	1745		-		
				1770 1720				
		1 RB	50	1720				
				1770				
				1720	132072	23.13	23.5	0-1
			99	1745				
	64-QAM			1770				
			0	1720 1745				
			5	1745				
				1720				
		50 RB	25	1745	132322			0-2
				1770				
			50	1720				
			50	1745 1770				
				1770				
		10	0RB	1745				
				1770				

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
				1717.5	132047	23.96	24.5	0	
			0	1745	132322	24.06	24.5	0	
				1772.5	132597	24.13	24.5	0	
				1717.5	132047	23.77	24.5	0	
		1 RB	36	1745	132322	23.89	24.5	0	
				1772.5	132597	23.82	24.5	0	
			74	1717.5	132047	23.83	24.5	0	
			74	1745 1772.5	132322 132597	23.89 23.79	24.5 24.5	0	
				1717.5	132047	22.88	23.5	0-1	
	QPSK		0	1745	132322	23.00	23.5	0-1	
	GIOR		0	1745	132597	22.90	23.5	0-1	
				1717.5	132047	22.81	23.5	0-1	
		36 RB	18	1745	132322	22.89	23.5	0-1	
				1772.5	132597	22.85	23.5	0-1	
				1717.5	132047	22.86	23.5	0-1	
			37	1745	132322	22.84	23.5	0-1	
				1772.5	132597	22.79	23.5	0-1	
				1717.5	132047	22.79	23.5	0-1	
		75RB		1745	132322	22.88	23.5	0-1	
				1772.5	132597	22.87	23.5	0-1	
				1717.5	132047	23.45	23.5	0-1	
			0	1745	132322	23.49	23.5	0-1	
					1772.5	132597	23.42	23.5	0-1
				1717.5	132047	23.27	23.5	0-1	
		1 RB	36	1745	132322	23.05	23.5	0-1	
				1772.5	132597	23.27	23.5	0-1	
				1717.5	132047	23.40	23.5	0-1	
			74	1745	132322	23.14	23.5	0-1	
				1772.5	132597	23.26	23.5	0-1	
				1717.5	132047	21.87	22.5	0-2	
15	16-QAM	-	0	1745	132322	21.96	22.5	0-2	
				1772.5	132597	21.96	22.5	0-2	
				1717.5	132047	21.97	22.5	0-2	
		36 RB	18	1745	132322	21.90	22.5	0-2	
				1772.5	132597	21.86	22.5	0-2	
				1717.5	132047	21.88	22.5	0-2	
			37	1745	132322	21.85	22.5	0-2	
				1772.5	132597	21.76	22.5	0-2	
				1717.5	132047	21.78	22.5	0-2	
		75	SRB	1745	132322	21.99	22.5	0-2	
			-	1772.5	132597	21.85	22.5	0-2	
			0	1717.5	132047	23.45	23.5	0-1	
			U	1745	132322	23.49	23.5	0-1	
				1772.5	132597	23.42	23.5	0-1	
		1 RB	36	1717.5	132047	23.27	23.5	0-1	
		IND	30	1745 1772.5	132322 132597	23.05 23.27	23.5 23.5	0-1	
				-				-	
			74	<u>1717.5</u> 1745	132047 132322	23.40 23.14	23.5 23.5	0-1	
			/4	1745	132322	23.14	23.5	0-1	
				1717.5	132597	23.26	23.5	0-1	
	64-QAM		0	1717.5	132322	21.87	22.5	0-2	
			Ū	1745	132597	21.96	22.5	0-2	
				1717.5	132047	21.90	22.5	0-2	
		36 RB	18	1745	132322	21.97	22.5	0-2	
		00110	10	1745	132597	21.86	22.5	0-2	
				1717.5	132047	21.88	22.5	0-2	
			37	1745	132322	21.85	22.5	0-2	
			01	1745	132597	21.76	22.5	0-2	
				1717.5	132047	21.78	22.5	0-2	
	-		75RB		132322	21.78	22.5	0-2	
	7				132597	21.85	22.5	0-2	

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)						
				1715	132022	23.86	24.5	0						
			0	1745	132322	23.99	24.5	0						
				1775	132622	23.83	24.5	0						
				1715	132022	23.76	24.5	0						
		1 RB	25	1745	132322	23.89	24.5	0						
				1775	132622	23.75	24.5	0						
				1715	132022	23.86	24.5	0						
			49	1745	132322	23.71	24.5	0						
				1775	132622	23.74	24.5	0						
	QPSK		0	1715	132022	22.89	23.5	0-1						
	QPSK		0	1745 1775	132322	22.97	23.5	0-1						
				1715	132622 132022	22.87 22.84	23.5 23.5	0-1						
		25 RB	12	1715	132022	22.84	23.5	0-1						
		2310	12	1745	132622	22.94	23.5	0-1						
				1715	132022	22.85	23.5	0-1						
			25	1745	132322	22.82	23.5	0-1						
			20	1775	132622	22.79	23.5	0-1						
				1715	132022	22.84	23.5	0-1						
		50	RB	1745	132322	22.89	23.5	0-1						
				1775	132622	22.82	23.5	0-1						
				1715	132022	23.15	23.5	0-1						
			0	1745	132322	23.41	23.5	0-1						
			-	1775	132622	23.44	23.5	0-1						
				1715	132022	23.29	23.5	0-1						
		1 RB	25	1745	132322	23.16	23.5	0-1						
				1775	132622	23.10	23.5	0-1						
				1715	132022	23.02	23.5	0-1						
			49	1745	132322	22.82	23.5	0-1						
				1775	132622	22.99	23.5	0-1						
				1715	132022	21.86	22.5	0-2						
10	16-QAM		0	1745	132322	21.98	22.5	0-2						
				1775	132622	21.95	22.5	0-2						
			05 DD		05.00					1715	132022	21.83	22.5	0-2
		25 RB	12	1745	132322	21.98	22.5	0-2						
				1775	132622	21.85	22.5	0-2						
			05	1715	132022	21.77	22.5	0-2						
			25	1745	132322	21.81	22.5	0-2						
				1775	132622	21.88	22.5	0-2						
		=	RB	1715	132022	21.87	22.5	0-2						
		50	NND .	1745	132322	21.90	22.5	0-2						
				1775 1715	132622 132022	21.85 23.39	22.5 23.5	0-2						
			0	1715	132322	23.47	23.5	0-1						
			5	1745	132622	23.39	23.5	0-1						
				1715	132022	23.23	23.5	0-1						
		1 RB	25	1745	132322	23.01	23.5	0-1						
				1775	132622	23.23	23.5	0-1						
				1715	132022	23.39	23.5	0-1						
			49	1745	132322	23.13	23.5	0-1						
				1775	132622	23.21	23.5	0-1						
				1715	132022	21.82	22.5	0-2						
	64-QAM		0	1745	132322	21.93	22.5	0-2						
				1775	132622	21.92	22.5	0-2						
			12	1715	132022	21.96	22.5	0-2						
		25 RB		1745	132322	21.89	22.5	0-2						
				1775	132622	21.82	22.5	0-2						
				1715	132022	21.84	22.5	0-2						
			25	1745	132322	21.84	22.5	0-2						
				1775	132622	21.74	22.5	0-2						
				1715	132022	21.76	22.5	0-2						
		50	)RB	1745	132322	21.95	22.5	0-2						
				1775	132622	21.81	22.5	0-2						

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5         16-QAM         0         177125         131997         23.83         124.5         0           17775         132647         23.80         24.5         0         0           1777.5         132647         23.80         24.5         0         0           1775.5         132647         23.80         24.5         0         0           1712.5         131997         23.81         24.5         0         0           1712.5         131997         23.81         24.5         0         0           1712.5         131997         23.81         24.5         0         0           1712.5         131997         22.80         23.5         0-1         0           1712.5         131997         22.83         23.5         0-1         0           1712.5         131997         22.83         23.5         0-1         0         1717.5         132647         22.83         23.5         0-1           1717.5         132647         22.74         23.5         0-1         1717.5         132647         22.74         23.5         0-1           1717.5         132647         22.74         23.5         0-1 <td< th=""><th>BW(MHz)</th><th>Modulation</th><th>RB Size</th><th>RB Offset</th><th>Frequency (MHz)</th><th>Channel</th><th>Conducted power (dBm)</th><th>Target Power + Max. Tolerance (dBm)</th><th>MPR Allowed per 3GPP(dB)</th></td<>	BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)	
5         16-QAM         1 <td></td> <td></td> <td></td> <td></td> <td>1712.5</td> <td>131997</td> <td>23.83</td> <td></td> <td>0</td>					1712.5	131997	23.83		0	
5         16-QAM         0         1712.5         131997         23.91         24.5         0           0PSK         12         1745         132022         23.80         24.5         0           24         1712.5         132047         23.57         24.5         0           24         1745.5         132047         23.83         24.5         0           1777.5         132047         23.88         24.5         0         0           1777.5         132047         22.80         23.5         0-1         0           1712.5         131997         22.80         23.5         0-1         0         1712.5         132047         22.75         23.5         0-1           113         1745         132322         22.92         23.5         0-1         1         1         1777.5         132647         22.76         23.5         0-1         1         1         1777.5         132647         22.78         23.5         0-1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1				0	1745	132322	23.88	24.5	0	
5         16-QAM         12         1745         132322         23.80         24.5         0           0PSK         1775         132647         23.57         24.5         0           1745         132647         23.83         24.5         0           1745         132647         23.83         24.5         0           1775         132647         23.83         24.5         0           1712.5         131997         22.80         23.5         0.1           1777.5         132647         22.75         23.5         0.1           1777.5         132647         22.83         23.5         0.1           1712.5         131997         22.83         23.5         0.1           1712.5         132647         22.78         23.5         0.1           13         1745         13222         22.83         23.5         0.1           13         1745         13222         23.48         23.5         0.1           1777.5         132647         22.79         23.5         0.1         1           1777.5         132647         22.35         0.1         1         1777.5         132647         22.48					1777.5	132647	23.80	24.5	0	
5         16-QAM         1775         132647         2357         24.5         0           24         1742.5         131997         23.83         24.5         0           1777.5         132047         23.83         24.5         0           1777.5         132047         23.85         24.6         0           1777.5         132047         22.80         23.5         0-1           1772.5         132047         22.82         23.5         0-1           1772.5         132047         22.83         23.5         0-1           1777.5         132047         22.83         23.5         0-1           1777.5         132047         22.78         23.5         0-1           13         1775.5         132047         22.78         23.5         0-1           13         1775.5         132047         22.78         23.5         0-1           11         1775.5         132047         22.78         23.5         0-1           1775.5         132047         22.78         23.5         0-1           1777.5         132047         22.78         23.5         0-1           1777.5         132047         2					1712.5	131997	23.91	24.5	0	
5         16-QAM         1745         131997         23.81         24.5         0           9PSK         12 RB         0         1776.5         13202         23.83         24.5         0           1712.5         132047         22.80         23.5         0.1         1           0         1746.5         132022         22.87         23.5         0.1           1777.5         132047         22.20         23.5         0.1           1777.5         132047         22.23         23.5         0.1           1777.5         132047         22.23         23.5         0.1           13         1745         132027         22.83         23.5         0.1           13         1745         132227         22.83         23.5         0.1           13         1745         132247         22.83         23.5         0.1           1777.5         132047         22.42         23.5         0.1         1           1777.5         13247         23.42         23.5         0.1         1           1777.5         13247         21.42         23.5         0.1         1           1777.5         13247			1 RB	12	1745	132322	23.80	24.5	0	
5         16-QAM         1         24         1745         132322         22.83         24.5         0           0         1777.5         132847         22.80         23.5         0.1           1778.5         132827         22.80         23.5         0.1           1771.5         132827         22.83         23.5         0.1           1772.5         132827         22.83         23.5         0.1           1772.5         132847         22.83         23.5         0.1           1772.5         132847         22.83         23.5         0.1           13         1745         132927         22.83         23.5         0.1           13         1746         132322         22.83         23.5         0.1           13         1746         132322         22.83         23.5         0.1           1477.5         132847         22.83         23.5         0.1           1777.5         132847         22.83         23.5         0.1           1777.5         132847         23.32         23.5         0.1           1777.5         132847         23.83         0.1         1.1           178					1777.5	132647	23.57	24.5	0	
OPSK         1777.5         132847         23.58         24.5         0           1712.5         131907         22.80         23.5         0.1           177.5         132647         22.87         23.5         0.1           177.5         132647         22.83         23.5         0.1           177.5         132647         22.83         23.5         0.1           177.5         132647         22.83         23.5         0.1           13         174.5         132822         22.83         23.5         0.1           13         174.5         131997         22.76         23.5         0.1           177.7         132647         22.78         23.5         0.1           177.7         132647         22.73         23.5         0.1           177.7         132647         23.32         23.5         0.1           177.7         132647         23.32         23.5         0.1           177.7         132647         23.32         23.5         0.1           177.7         132647         23.32         23.5         0.1           177.7         132647         23.22         23.5         0.1					1712.5	131997	23.81	24.5	0	
5         16-0AM         177.5         132847         23.58         24.5         0           1712.5         133997         22.80         23.5         0-11           177.5         132847         22.83         23.5         0-11           177.5         132847         22.83         23.5         0-11           177.5         132847         22.83         23.5         0-11           177.5         132847         22.83         23.5         0-11           177.5         132847         22.83         23.5         0-11           1712.5         131997         22.83         23.5         0-11           1712.5         131997         22.78         23.5         0-11           1712.5         131997         22.78         23.5         0-11           177.5         132847         22.30         23.5         0-11           177.5         132847         23.32         23.5         0-11           177.5         132847         23.32         23.5         0-11           177.5         132847         22.30         23.5         0-11           177.5         132847         22.98         23.5         0-1 <t< td=""><td></td><td></td><td></td><td>24</td><td>1745</td><td>132322</td><td>23.83</td><td>24.5</td><td>0</td></t<>				24	1745	132322	23.83	24.5	0	
9 PSK         0         1712.5         131997         22.80         23.5         0-1           177.5         132322         22.87         23.5         0-1           177.5         133907         22.83         23.5         0-1           1712.5         133907         22.83         23.5         0-1           1712.5         133907         22.83         23.5         0-1           1712.5         133907         22.83         23.5         0-1           1712.5         131907         22.83         23.5         0-1           1717.5         132.647         22.76         23.5         0-1           1717.5         132.647         22.78         23.5         0-1           1777.5         132.647         22.74         23.5         0-1           1777.5         132.647         22.76         23.5         0-1           1777.5         132.647         22.76         23.5         0-1           1777.5         132.647         22.78         23.5         0-1           1777.5         132.647         22.74         23.5         0-1           1775         132.647         22.88         23.5         0-1					1777.5	132647		24.5	0	
5         16-QAM         0         1745         132847         2287         23.5         0-1           12 RB         6         1777.5         132847         2283         23.5         0-1           13         1745         132822         22.83         23.5         0-1           13         1745         132827         22.83         23.5         0-1           13         1745         132827         22.83         23.5         0-1           1777.5         132847         22.78         23.5         0-1           1777.5         132847         22.83         23.5         0-1           1777.5         132847         23.35         0-1         1           1777.5         132847         23.35         0-1         1           1777.5         132847         23.32         23.5         0-1           1777.5         132847         23.32         23.5         0-1           1777.5         132847         23.22         23.5         0-1           1777.5         132847         23.22         0.0         23.5         0-1           1777.5         132847         21.87         22.5         0-2         177.7					1712.5	131997		23.5	0-1	
5         16-OAM         177.5         132847         22.75         23.5         0-1           12 RB         6         1712.5         133097         22.83         23.5         0-1           177.5         133097         22.83         23.5         0-1           177.5         133047         22.73         23.5         0-1           177.5         132847         22.73         23.5         0-1           177.5         132847         22.73         23.5         0-1           177.5         132847         22.73         23.5         0-1           177.5         132847         22.73         23.5         0-1           177.5         132847         22.74         23.5         0-1           177.5         132847         22.74         23.5         0-1           177.5         132847         22.74         23.5         0-1           177.5         132847         22.74         23.5         0-1           177.5         132847         22.88         23.5         0-1           177.5         132847         22.89         23.5         0-1           177.5         132847         22.89         23.5         <		QPSK		0						
5         16-QAM         1745         131997         22.83         23.5         0-1           1745         132322         22.92         23.5         0-1           13         1745         132322         22.83         23.5         0-1           13         1745         13222         22.83         23.5         0-1           177.5         13247         22.83         23.5         0-1           177.5         13247         22.83         23.5         0-1           177.5         13247         22.83         23.5         0-1           177.5         132647         22.78         23.5         0-1           177.5         132647         23.32         23.5         0-1           177.5         132647         23.32         23.5         0-1           177.5         132647         23.32         23.5         0-1           177.5         132647         22.30         23.5         0-1           177.5         132647         22.89         23.5         0-1           177.5         132647         22.89         23.5         0-1           177.5         132647         21.87         22.5         0-2					1777.5				0-1	
5         16-QAM         12 RB         6         1745         13222         22.92         23.5         0-1           13         1775         132847         22.83         23.5         0-1           13         17745         132822         22.83         23.5         0-1           25RB         17745         1328247         22.76         23.5         0-1           1777.5         132847         22.74         23.5         0-1           1777.5         132847         22.74         23.5         0-1           1777.5         132847         23.5         0-1         1           1777.5         132847         23.2         23.5         0-1           1777.5         132847         23.2         23.5         0-1           1777.5         132847         23.2         23.5         0-1           1777.5         132847         22.86         23.5         0-1           178         13297         21.41         23.5         0-1           177.5         132847         22.89         23.5         0-1           177.5         132847         22.89         23.5         0-1           1777.5         132847 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>										
5         16-QAM         0         177.5         132847         22.83         23.5         0-1           13         1712.5         131997         22.75         23.5         0-1           13         177.5         132627         22.83         23.5         0-1           177.5         132647         22.79         23.5         0-1           177.5         132647         22.74         23.5         0-1           177.5         132647         22.74         23.5         0-1           177.5         132647         22.74         23.5         0-1           177.5         132647         23.32         23.5         0-1           177.5         132647         22.308         23.5         0-1           177.5         132647         22.80         23.5         0-1           177.5         132647         22.80         23.5         0-1           177.5         132647         22.80         23.5         0-1           177.5         132647         22.80         23.5         0-1           177.5         132647         21.87         22.5         0-2           177.5         132647         21.74         2			12 RB	6						
5         16-QAM         1 <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>				-						
5         13         1745         132322         22.83         23.5         0-1           25RB         1717.5         132847         22.78         23.5         0-1           1745         132322         22.86         23.5         0-1           1775         132847         22.78         23.5         0-1           1777.5         132847         22.74         23.5         0-1           1777.5         132847         23.32         23.5         0-1           1777.5         132847         23.32         23.5         0-1           1777.5         132847         22.86         23.5         0-1           1777.5         132847         22.86         23.5         0-1           1777.5         132847         22.86         23.5         0-1           1777.5         132847         22.86         23.5         0-1           1777.5         132847         21.87         22.5         0-2           1777.5         132847         21.87         22.5         0-2           1777.5         132847         21.44         22.5         0-2           1777.5         132847         21.87         22.5         0-2									-	
5         16-QAM         177.5         132647         22.79         23.5         0-1           25RB         1712.5         131997         22.78         23.5         0-1           174.5         13222         22.86         23.5         0-1           177.5         132847         22.74         23.5         0-1           177.5         132847         22.74         23.5         0-1           177.5         132847         23.35         0-1         1           177.5         13222         23.42         23.5         0-1           177.5         13222         23.82         0-1         1           177.5         132647         22.66         23.5         0-1           177.5         132647         22.88         23.5         0-1           177.5         132647         22.89         23.5         0-1           1777.5         132647         22.89         23.5         0-1           1777.5         132647         22.89         23.5         0-2           1777.5         132647         21.85         22.5         0-2           177.5         132647         21.86         22.5         0-2				13					-	
5         16-QAM         1712.5         131997         22.78         23.5         0-1           1745         132322         22.86         23.5         0-1           1777.5         132647         22.74         23.5         0-1           1777.5         132647         22.33         23.5         0-1           1777.5         132647         23.32         23.5         0-1           1775.5         132647         23.32         23.5         0-1           1712.5         131997         22.18         23.5         0-1           1717.5         132647         23.66         23.5         0-1           1717.5         132647         22.86         23.5         0-1           1717.5         132647         22.86         23.5         0-1           1717.5         132647         22.80         23.5         0-1           1717.5         132647         21.87         22.5         0-2           1717.5         132647         21.87         22.5         0-2           1777.5         132647         21.82         22.5         0-2           177.5         132647         21.80         22.5         0-2				15						
5         16-QAM         25RB         1745         132322         22.86         23.5         0-1           1777.5         132847         22.74         23.5         0-1           1712.5         131997         23.03         23.5         0-1           1775.5         132822         23.42         23.5         0-1           1777.5         132647         22.36         0-1           1777.5         132647         22.86         23.5         0-1           12         1745         13222         23.08         23.5         0-1           12         1745         132247         22.98         23.5         0-1           1777.5         132647         22.98         23.5         0-1           1777.5         132647         22.89         23.5         0-1           1777.5         132647         22.89         23.5         0-1           1777.5         132647         22.89         23.5         0-2           1777.5         132647         21.85         22.5         0-2           1777.5         132647         21.85         22.5         0-2           1777.5         132647         21.85         22.5			<b>├</b> ───						-	
5         16-QAM         177.5         132647         22.74         23.5         0-1           1712.5         131997         23.03         23.5         0-1           1777.5         132647         23.32         23.5         0-1           1777.5         132647         23.32         23.5         0-1           1777.5         132647         23.32         23.5         0-1           1712.5         131997         23.14         23.5         0-1           1712.5         132647         22.86         23.5         0-1           1717.5         132647         22.98         23.5         0-1           1717.5         132647         22.98         23.5         0-1           1777.5         132647         22.98         23.5         0-1           1777.5         132647         21.87         22.5         0-2           1777.5         132647         21.82         22.5         0-2           1777.5         132647         21.82         22.5         0-2           1777.5         132647         21.82         22.5         0-2           1777.5         132647         21.82         22.5         0-2 <tr< td=""><td></td><td></td><td>21</td><td>DB</td><td></td><td></td><td></td><td></td><td>-</td></tr<>			21	DB					-	
$ 16-\text{QAM} \\ 16-\text{QAM} \\ 16-\text{QAM} \\ 16-\text{QAM} \\ 16-\text{QAM} \\ 16-\text{QAM} \\ 12  \begin{array}{cccccccccccccccccccccccccccccccccc$			2							
5         16-QAM         0         1745         132322         23.42         23.5         0-1           1772.5         132647         23.32         23.5         0-1           1712.5         131997         23.14         23.5         0-1           1717.5         132322         23.08         23.5         0-1           1717.5         132322         23.08         23.5         0-1           1717.5         132647         22.66         23.5         0-1           1717.5         132647         22.89         23.5         0-1           1717.5         132647         22.89         23.5         0-1           1717.5         132647         21.87         22.5         0-2           1717.5         132647         21.74         22.5         0-2           1777.5         132647         21.82         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2				-					-	
$5 \ 16-QAM \ \left  1 \text{ RB} \right  12 \ \left  \begin{array}{cccccccccccccccccccccccccccccccccccc$										
$1 \text{RB} = \begin{bmatrix} 1712.5 & 131997 & 23.14 & 23.5 & 0.1 \\ 1745 & 132322 & 23.08 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.66 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.98 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.98 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.98 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.89 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.89 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.89 & 23.5 & 0.2 \\ 1771.5 & 132647 & 21.87 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.85 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.85 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.91 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.89 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.89 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.89 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.89 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.89 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.86 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.86 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.80 & 23.5 & 0.1 \\ 1777.5 & 132647 & 21.99 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.9 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.9 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.9 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.9 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.9 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.9 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.9 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.9 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.9 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.6 & 2.5 & 0.2 \\ 1771.5 & 131997 & 23.10 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.6 & 2.5 & 0.2 \\ 1771.5 & 131997 & 23.10 & 23.5 & 0.1 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1771.5 & 132647 & 21.88 & 22.5 & 0.2 \\ 1771.5 & 132647 & 2$				0	-				-	
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$										
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						1712.5	131997	23.14	23.5	0-1
5         16-QAM         24         1712.5         131997         22.98         23.5         0-1           5         16-QAM         1775.5         132647         22.89         23.5         0-1           1777.5         132647         22.89         23.5         0-1           1777.5         132647         22.89         23.5         0-2           1775.5         132822         21.85         22.5         0-2           1775.5         132847         21.74         22.5         0-2           1777.5         132847         21.74         22.5         0-2           1777.5         132847         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1775.5         132647         21.80         22.5         0-2           1775.5         132647         21.85         22.5         0-2           1775.5         132647         21.82         20.5         0-1           1775.5         132647         22.97 </td <td></td> <td></td> <td>1 RB</td> <td>12</td> <td>1745</td> <td>132322</td> <td>23.08</td> <td>23.5</td> <td>0-1</td>			1 RB	12	1745	132322	23.08	23.5	0-1	
5         16-QAM         24         1712.5         131997         22.98         23.5         0-1           5         16-QAM         1775.5         132647         22.89         23.5         0-1           1777.5         132647         22.89         23.5         0-1           1777.5         132647         22.89         23.5         0-2           1775.5         132822         21.85         22.5         0-2           1775.5         132847         21.74         22.5         0-2           1777.5         132847         21.74         22.5         0-2           1777.5         132847         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1775.5         132647         21.80         22.5         0-2           1775.5         132647         21.85         22.5         0-2           1775.5         132647         21.82         20.5         0-1           1775.5         132647         22.97 </td <td></td> <td></td> <td></td> <td></td> <td>1777.5</td> <td>132647</td> <td>22.66</td> <td>23.5</td> <td>0-1</td>					1777.5	132647	22.66	23.5	0-1	
5         16-QAM         24         1745         132322         22.98         23.5         0-1           5         16-QAM         0         1712.5         131997         22.5         0-2           177.5         13247         22.89         23.5         0-1           12.85         131997         22.5         0-2           177.5         13247         21.74         22.5         0-2           177.5         13247         21.74         22.5         0-2           177.5         13247         21.82         22.5         0-2           177.5         13247         21.80         22.5         0-2           177.5         13247         21.80         22.5         0-2           13         1745         132322         21.89         22.5         0-2           13         1745         132322         21.89         22.5         0-2           177.5         13247         21.85         22.5         0-2           177.5         13247         21.78         22.5         0-2           177.5         13247         21.82         22.5         0-1           177.5         13247         22.97 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>131997</td><td>22.98</td><td></td><td>0-1</td></t<>						131997	22.98		0-1	
5         16-QAM         1777.5         132647         22.89         23.5         0-1           16-QAM         0         1772.5         132922         21.85         22.5         0-2           1772.5         132922         21.85         22.5         0-2           1777.5         132647         21.74         22.5         0-2           1777.5         132627         21.81         22.5         0-2           1777.5         132627         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           1771.5         132647         21.80         22.5         0-2           1777.5         132647         21.85         22.5         0-2           25RB         1712.5         13222         21.85         22.5         0-2           1777.5         132647         21.85         22.5         0-2           1777.5         132647         23.80         23.5         0-1           1777.5         132647         23.29<				24						
5         16-QAM         0         1712.5         131997         21.87         22.5         0-2           17475         132322         21.85         22.5         0-2           1777.5         132647         21.74         22.5         0-2           1712.5         131997         21.82         22.5         0-2           1712.5         131997         21.82         22.5         0-2           1712.5         131997         21.82         22.5         0-2           1712.5         131997         21.77         22.5         0-2           1712.5         131997         21.85         22.5         0-2           1712.5         131997         21.86         22.5         0-2           1717.5         132647         21.88         22.5         0-2           1777.5         132647         21.78         22.5         0-2           1777.5         132647         21.78         22.5         0-2           1777.5         132647         21.85         23.5         0-1           177.5         132647         22.97         23.5         0-1           177.5         132647         22.97         23.5         0-1									-	
5         16-QAM         0         1745         132322         21.85         22.5         0-2           1777.5         132847         21.74         22.5         0-2           1772.5         132847         21.74         22.5         0-2           1772.5         132847         21.82         22.5         0-2           1775.5         132847         21.80         22.5         0-2           1777.5         132647         21.80         22.5         0-2           13         1745         132322         21.89         22.5         0-2           13         1745         132647         21.82         22.5         0-2           13         1745         132322         21.89         22.5         0-2           25RB         1745         132322         21.88         22.5         0-2           1777.5         132647         21.78         22.5         0-2           1777.5         132647         21.78         22.5         0-2           1777.5         132647         21.78         22.5         0-1           1777.5         132647         23.5         0-1         1           1777.5         132647<									-	
$16-\text{QAM} = \begin{bmatrix} 1 & 1777.5 & 132647 & 21.74 & 22.5 & 0.2 \\ 1775.5 & 132997 & 21.82 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.82 & 22.5 & 0.2 \\ 1745 & 132322 & 21.91 & 22.5 & 0.2 \\ 1745 & 132322 & 21.89 & 22.5 & 0.2 \\ 1745 & 13222 & 21.89 & 22.5 & 0.2 \\ 1745 & 13222 & 1.88 & 22.5 & 0.2 \\ 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1745 & 132322 & 23.40 & 23.5 & 0.1 \\ 1775 & 132647 & 23.29 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.29 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.29 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.62 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.62 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.62 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.84 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.84 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.84 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.84 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.84 & 23.5 & 0.2 \\ 1777.5 & 132647 & 22.84 & 23.5 & 0.2 \\ 1777.5 & 132647 & 22.84 & 23.5 & 0.2 \\ 1777.5 & 132647 & 22.84 & 23.5 & 0.2 \\ 1777.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1774.5 & 131997 & 21.76 & 22.5 & 0.2 \\ 1774.5 & 131997 & 21.78 & 22.5 & 0.2 \\ 1774.5 & 131997 & 21.78 & 22.5 & 0.2 \\ 1774.5 & 131997 & 21.78 & 22.5 & 0.2 \\ 1774.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1774.5 & 131997 & 21.84 & 2$	5	16-QAM		0					-	
16-QAM \$ \$ 12RB\$ = \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Ũ			Ŭ						
$16-QAM $ $ 12 \ RB$ = $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $ $$										
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$16-QAM = \begin{bmatrix} 1712.5 & 131997 & 21.77 & 22.5 & 0.2 \\ 13 & 1775 & 132322 & 21.89 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.85 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.86 & 22.5 & 0.2 \\ 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1745 & 132322 & 23.40 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.29 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.29 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.29 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.29 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.97 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.97 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.97 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.97 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.97 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.97 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.97 & 23.5 & 0.1 \\ 1777.5 & 132647 & 22.84 & 23.5 & 0.1 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.73 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.73 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.73 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1777.5 & 1$					0					
$16-QAM = 12 RB = 13 \begin{array}{ c c c c c c c c c c c c c c c c c c c$										
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$16-QAM \begin{array}{ c c c c c c c c c c c c c c c c c c c$				13						
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$16-QAM = \begin{array}{ c c c c c c c c c c c c c c c c c c c$										
$16-QAM = \begin{bmatrix} 1 & 1712.5 & 131997 & 22.97 & 23.5 & 0.1 \\ 1 & 1745 & 132322 & 23.40 & 23.5 & 0.1 \\ 1777.5 & 132647 & 23.29 & 23.5 & 0.1 \\ 1712.5 & 131997 & 23.10 & 23.5 & 0.1 \\ 1712.5 & 131997 & 23.10 & 23.5 & 0.1 \\ 1712.5 & 131997 & 22.97 & 23.5 & 0.1 \\ 1712.5 & 132647 & 22.62 & 23.5 & 0.1 \\ 1712.5 & 131997 & 22.97 & 23.5 & 0.1 \\ 1712.5 & 132022 & 22.97 & 23.5 & 0.1 \\ 1712.5 & 132647 & 22.84 & 23.5 & 0.1 \\ 1712.5 & 131997 & 21.82 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.82 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.70 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.76 & 22.5 & 0.2 \\ 13 & 1745 & 132322 & 21.88 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.83 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1717.5 & 132647 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ 1712.5 & 131997 & 21.84 & 22.5 & 0.$			2	SRB						
$16\text{-QAM} = \begin{bmatrix} 0 & \frac{1745}{177.5} & \frac{132322}{12.84} & \frac{23.40}{23.5} & \frac{23.5}{0.1} \\ 1 \text{ RB} & \frac{1712.5}{177.5} & \frac{132647}{13297} & \frac{23.29}{23.5} & \frac{23.5}{0.1} \\ 1777.5 & \frac{132647}{12322} & \frac{23.04}{23.5} & \frac{23.5}{0.1} \\ 1777.5 & \frac{132647}{122.62} & \frac{23.5}{23.5} & \frac{0.1}{0.1} \\ 1777.5 & \frac{132647}{122.97} & \frac{22.97}{23.5} & \frac{0.1}{0.1} \\ 1777.5 & \frac{132647}{122.97} & \frac{22.97}{23.5} & \frac{0.1}{0.1} \\ 1777.5 & \frac{132647}{122.97} & \frac{22.97}{23.5} & \frac{0.1}{0.1} \\ 1777.5 & \frac{132647}{122.84} & \frac{22.5}{2.5} & \frac{0.2}{0.2} \\ 1777.5 & \frac{132647}{132322} & \frac{21.82}{22.5} & \frac{22.5}{0.2} \\ 1777.5 & \frac{132647}{132322} & \frac{21.82}{21.90} & \frac{22.5}{2.5} & \frac{0.2}{0.2} \\ 1777.5 & \frac{132647}{132322} & \frac{21.90}{21.81} & \frac{22.5}{2.5} & \frac{0.2}{0.2} \\ 1777.5 & \frac{132647}{132647} & \frac{21.76}{21.73} & \frac{22.5}{0.2} \\ 13 & \frac{1745}{177.5} & \frac{132647}{132322} & \frac{21.88}{22.5} & \frac{0.2}{0.2} \\ 1777.5 & \frac{132647}{132322} & \frac{21.88}{22.5} & \frac{0.2}{0.2} \\ 1777.5 & \frac{132647}{132322} & \frac{21.84}{21.76} & \frac{22.5}{0.2} & \frac{0.2}{0.2} \\ 1777.5 & \frac{132647}{132322} & \frac{21.84}{22.5} & \frac{0.2}{0.2} \\ 1777.5 & \frac{132647}{132322} & \frac{21.84}{21.84} & \frac{22.5}{0.2} & \frac{0.2}{0.2} \\ 1712.5 & \frac{131997}{13197} & \frac{21.84}{21.84} & \frac{22.5}{0.2} & \frac{0.2}{0.2} \\ 1712.5 & \frac{131997}{13197} & \frac{21.84}{21.84} & \frac{22.5}{0.2} & \frac{0.2}{0.2} \\ 1745 & \frac{132322}{21.84} & \frac{21.84}{22.5} & \frac{0.2}{0.2} \\ 1745 & \frac{132322}{21.84} & \frac{22.5}{0.2} & \frac{0.2}{0.2} \\ 1745 & \frac{132322}{21.84} & \frac{22.5}{2.5} & \frac{0.2}{0.2} \\ 1745 & \frac{132322}{22.5} & \frac{0.2}{0.2} \\ 1745 & \frac{132322}{22.5} & \frac{0.2}{0.2} \\ 1745$			ļ							
$1 \text{RB} \begin{array}{ c c c c c c c c c c c c c c c c c c c$										
$1 \text{ RB} \begin{array}{ c c c c c c c c c c c c c c c c c c c$				0					-	
$1 \text{ RB} \begin{array}{ c c c c c c c c c c c c c c c c c c c$										
$16\text{-QAM} \begin{array}{ c c c c c c c c c c c c c c c c c c c$					1712.5	131997	23.10	23.5	0-1	
$16\text{-QAM} \begin{array}{ c c c c c c c c c c c c c c c c c c c$			1 RB	12	1745	132322	23.04	23.5	0-1	
$16\text{-QAM} \begin{array}{ c c c c c c c c c c c c c c c c c c c$					1777.5	132647	22.62	23.5	0-1	
$16\text{-QAM} \begin{array}{ c c c c c c c c c c c c c c c c c c c$						131997			0-1	
16-QAM         1777.5         132647         22.84         23.5         0-1           16-QAM         0         1771.5         131997         21.82         22.5         0-2           1745         132322         21.82         22.5         0-2           1777.5         132647         21.70         22.5         0-2           1777.5         132647         21.70         22.5         0-2           1777.5         132647         21.70         22.5         0-2           1777.5         132647         21.70         22.5         0-2           1777.5         132647         21.70         22.5         0-2           1777.5         132647         21.70         22.5         0-2           1777.5         132647         21.76         22.5         0-2           13         1745         132322         21.84         22.5         0-2           13         1745         132322         21.88         22.5         0-2           13         1745         132322         21.84         22.5         0-2           13         1745         132322         21.84         22.5         0-2           1745         13				24	1745	132322	22.97	23.5	0-1	
$16\text{-QAM} \begin{array}{ c c c c c c c c } & 1712.5 & 131997 & 21.82 & 22.5 & 0.2 \\ \hline & 1745 & 132322 & 21.82 & 22.5 & 0.2 \\ \hline & 1745 & 132322 & 21.82 & 22.5 & 0.2 \\ \hline & 1777.5 & 132647 & 21.70 & 22.5 & 0.2 \\ \hline & 1712.5 & 131997 & 21.81 & 22.5 & 0.2 \\ \hline & 1745 & 132322 & 21.90 & 22.5 & 0.2 \\ \hline & 1777.5 & 132647 & 21.76 & 22.5 & 0.2 \\ \hline & 1775 & 132647 & 21.73 & 22.5 & 0.2 \\ \hline & 1712.5 & 131997 & 21.73 & 22.5 & 0.2 \\ \hline & 1775 & 132647 & 21.88 & 22.5 & 0.2 \\ \hline & 1775 & 132647 & 21.88 & 22.5 & 0.2 \\ \hline & 1777.5 & 132647 & 21.83 & 22.5 & 0.2 \\ \hline & 1777.5 & 132647 & 21.84 & 22.5 & 0.2 \\ \hline & 1712.5 & 131997 & 21.84 & 22.5 & 0.2 \\ \hline & 1745 & 132322 & 21.84 & 22.5 & 0.2 \\ \hline \end{array}$										
16-QAM         0         1745         132322         21.82         22.5         0-2           1777.5         132647         21.70         22.5         0-2           1712.5         131997         21.81         22.5         0-2           1745         132322         21.90         22.5         0-2           1712.5         13297         21.81         22.5         0-2           1777.5         132647         21.76         22.5         0-2           1777.5         132647         21.76         22.5         0-2           13         1745         132322         21.88         22.5         0-2           13         1745         132322         21.88         22.5         0-2           13         1745         132322         21.84         22.5         0-2           1777.5         132647         21.83         22.5         0-2           13         1745         132322         21.84         22.5         0-2           1717.5         132647         21.84         22.5         0-2           25RB         1745         132322         21.84         22.5         0-2			<u> </u>	1					-	
$12 \text{ RB} \begin{array}{ c c c c c c c c c c c c c c c c c c c$		16-QAM		0						
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										
12 RB         6         1745         132322         21.90         22.5         0-2           1777.5         132647         21.76         22.5         0-2           13         1712.5         131997         21.73         22.5         0-2           13         1745         132322         21.88         22.5         0-2           1777.5         132647         21.83         22.5         0-2           1777.5         132647         21.83         22.5         0-2           1777.5         132647         21.84         22.5         0-2           25RB         1745         132322         21.84         22.5         0-2										
1777.5         132647         21.76         22.5         0-2           13         1712.5         131997         21.73         22.5         0-2           13         1745         132322         21.88         22.5         0-2           1777.5         132647         21.83         22.5         0-2           1777.5         132647         21.84         22.5         0-2           1712.5         131997         21.84         22.5         0-2           25RB         1745         132322         21.84         22.5         0-2			12 RB	6	-				-	
1712.5         131997         21.73         22.5         0-2           13         1745         132322         21.88         22.5         0-2           177.5         132647         21.83         22.5         0-2           1777.5         132647         21.84         22.5         0-2           1712.5         131997         21.84         22.5         0-2           25RB         1745         132322         21.84         22.5         0-2			12110							
13         1745         132322         21.88         22.5         0-2           1777.5         132647         21.83         22.5         0-2           1771.5         132647         21.83         22.5         0-2           25RB         1745         132322         21.84         22.5         0-2										
1777.5         132647         21.83         22.5         0-2           1712.5         131997         21.84         22.5         0-2           25RB         1745         132322         21.84         22.5         0-2				10						
1712.5         131997         21.84         22.5         0-2           25RB         1745         132322         21.84         22.5         0-2				13						
25RB 1745 132322 21.84 22.5 0-2			L							
							-			
1777.5 132647 21.74 22.5 0-2			25	5RB						
					1777.5	132647	21.74	22.5	0-2	

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
3		1 RB		1711.5	131987	23.90	24.5	0
			0	1745	132322	23.87	24.5	0
	QPSK			1778.5	132657	24.03	24.5	0
				1711.5	131987	23.97	24.5	0
			7	1745	132322	23.86	24.5	0
				1778.5	132657	23.75	24.5	0
			14	1711.5	131987	23.85	24.5	0
				1745	132322	23.76	24.5	0
				1778.5	132657	23.74	24.5	0
		8 RB	0	1711.5	131987	22.85	23.5	0-1
				1745	132322	22.80	23.5	0-1
				1778.5	132657	22.78	23.5	0-1
			4	1711.5	131987	22.86	23.5	0-1
				1745	132322	22.82	23.5	0-1
				1778.5	132657	22.72	23.5	0-1
			7	1711.5	131987	22.81	23.5	0-1
				1745	132322	22.80	23.5	0-1
				1778.5	132657	22.74	23.5	0-1
		15RB		1711.5	131987	22.81	23.5	0-1
				1745	132322	22.79	23.5	0-1
				1778.5	132657	22.79	23.5	0-1
	16-QAM	1 RB	0	1711.5	131987	23.04	23.5	0-1
				1745	132322	23.04	23.5	0-1
				1778.5	132657	22.87	23.5	0-1
			7	1711.5	131987	23.02	23.5	0-1
				1745	132322	23.33	23.5	0-1
				1778.5	132657	22.99	23.5	0-1
			14	1711.5	131987	23.01	23.5	0-1
				1745	132322	22.86	23.5	0-1
				1778.5	132657	23.02	23.5	0-1
		8 RB	0	1711.5	131987	21.87	22.5	0-2
				1745	132322	21.95	22.5	0-2
				1778.5	132657	21.84	22.5	0-2
			4	1711.5	131987	21.93	22.5	0-2
				1745	132322	22.07	22.5	0-2
			-	1778.5	132657	21.67	22.5	0-2
			7	1711.5	131987	21.82	22.5	0-2
			7	1745	132322	21.96	22.5	0-2
				1778.5	132657	21.90	22.5	0-2
		15RB		1711.5	131987	21.88	22.5	0-2
				1745	132322	21.93	22.5	0-2
				1778.5	132657	21.66	22.5	0-2
		1 RB	0	1711.5	131987	22.98	23.5	0-1 0-1
				1745	132322	23.02	23.5	-
				1778.5	132657	22.84	23.5	0-1
	1		7	1711.5 1745	131987	22.98	23.5	0-1
	64-QAM		· ·		132322	23.29	23.5	0-1
			14	1778.5 1711.5	132657 131987	22.95 23.00	23.5 23.5	0-1
								-
				1745 1778.5	132322	22.85 22.97	23.5 23.5	0-1 0-1
					132657			-
		8 RB	0	1711.5 1745	131987	21.82 21.92	22.5 22.5	0-2
				1745	132322 132657	21.92	22.5	0-2
				1778.5			22.5	0-2
			4	-	131987	21.92	-	÷ –
				1745	132322	22.06	22.5	0-2
				1778.5	132657	21.63	22.5	0-2
			7	1711.5	131987	21.78	22.5	0-2
				1745	132322	21.95	22.5	0-2
				1778.5 1711.5	132657	21.88	22.5 22.5	0-2
		15RB		1/11.5	131987	21.86	22.D	0-2
		40		1745	132322	21.89	22.5	0-2

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BW(MHz)	Modulation	RB Size	RB Offset	Frequency (MHz)	Channel	Conducted power (dBm)	Target Power + Max. Tolerance (dBm)	MPR Allowed per 3GPP(dB)
				1710.7	131979	23.65	24.5	0
			0	1745	132322	23.75	24.5	0
				1779.3	132665	23.60	24.5	0
				1710.7	131979	23.81	24.5	0
		1 RB	2	1745	132322	23.83	24.5	0
				1779.3	132665	23.68	24.5	0
				1710.7	131979	23.66	24.5	0
			5	1745	132322	23.67	24.5	0
				1779.3	132665	23.65	24.5	0
				1710.7	131979	23.80	24.5	0
	QPSK		0	1745	132322	23.75	24.5	0
				1779.3	132665	23.71	24.5	0
				1710.7	131979	23.81	24.5	0
		3 RB	2	1745	132322	23.91	24.5	0
				1779.3	132665	23.84	24.5	0
				1710.7	131979	23.70	24.5	0
			3	1745	132322	23.79	24.5	0
				1779.3	132665	23.70	24.5	0
				1710.7	131979	22.79	23.5	0-1
		6	RB	1745	132322	22.74	23.5	0-1
		-		1779.3	132665	22.67	23.5	0-1
				1710.7	131979	22.80	23.5	0-1
			0	1745	132322	22.66	23.5	0-1
			Ū	1779.3	132665	22.60	23.5	0-1
						-		0-1
		1 RB	2	1710.7	131979	23.15	23.5	
		TRB	2	1745	132322	23.21	23.5	0-1
				1779.3	132665	22.93	23.5	0-1
				1710.7	131979	22.71	23.5	0-1
			5	1745	132322	22.91	23.5	0-1
				1779.3	132665	22.78	23.5	0-1
		N		1710.7	131979	22.83	23.5	0-1
1.4	16-QAM		0	1745	132322	22.85	23.5	0-1
				1779.3	132665	22.77	23.5	0-1
				1710.7	131979	22.91	23.5	0-1
		3 RB	2	1745	132322	22.84	23.5	0-1
				1779.3	132665	22.73	23.5	0-1
				1710.7	131979	22.66	23.5	0-1
			3	1745	132322	22.80	23.5	0-1
			Ű	1779.3	132665	22.77	23.5	0-1
				1710.7	131979	21.73	22.5	0-2
		6	RB	1745	132322	21.73	22.5	0-2
		0		1745	132322	21.90	22.5	0-2
			1					0-2
			0	1710.7	131979	22.74	23.5	-
			0	1745	132322	22.64	23.5	0-1
				1779.3	132665	22.58	23.5	0-1
		4.55		1710.7	131979	23.11	23.5	0-1
		1 RB	2	1745	132322	23.17	23.5	0-1
				1779.3	132665	22.89	23.5	0-1
				1710.7	131979	22.70	23.5	0-1
			5	1745	132322	22.90	23.5	0-1
				1779.3	132665	22.73	23.5	0-1
				1710.7	131979	22.78	23.5	0-1
	64-QAM		0	1745	132322	22.82	23.5	0-1
				1779.3	132665	22.73	23.5	0-1
				1710.7	131979	22.90	23.5	0-1
		3 RB	2	1745	132322	22.83	23.5	0-1
			_	1779.3	132665	22.69	23.5	0-1
				1710.7	131979	22.69	23.5	0-1
			3	1745	132322	22.02	23.5	0-1
			3					0-1
				1779.3	132665	22.75	23.5	÷ :
		-	<b>D</b> D	1710.7	131979	21.71	22.5	0-2
		6RB		1745	132322	21.86	22.5	0-2
		1		1779.3	132665	21.80	22.5	0-2

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# 12. Justification of held to ear modes tested

# I. Analysis of RF air interface technologies

a. OTT data services are outside the current definition of a managed CMRS service and are currently not required to be evaluated.

b. Based on ANSI. C63.19-2011. An RF air interface technology of a device is exempt from testing when its average antenna input power plus its MIF is ≤17 dBm for any of its operating modes. If a device supports multiple RF air interfaces, each RF air interface shall be evaluated individually.

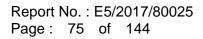
The MIF plus the worst case average power for all modes are investigated below to determine the testing requirements for this device.

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Air interference	Maximum power(dB)	MIF(dB)	Power + MIF (dB)	ANSI C63.19 2011 test required
GSM850	32.78	3.63	36.41	Yes
GSM1900	30.07	3.63	33.7	Yes
WCDMA B2	24.45	-27.23	-2.78	No
WCDMA B4	23.49	-27.23	-2.94	No
WCDMA B5	23.93	-27.23	-3.3	No
LTE FDD	24.5	-9.76	14.74	No
LTE TDD	24	-1.44	22.56	Yes

## II. Low power exemption

# We used the predetermined MIF to evaluate the low power exemption.

# Based on ANSI. C63.19 2011, RF emission testing for WCDMA /LTE FDD is exempted.

# Based on ANSI. C63.19 2011, WCDMA / LTE FDD that is exempted from testing shall be rated as M4.

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# 13. ANSI C63.19-2011 performance and categories

The measurements were performed to ensure compliance to the ANSI C63.19-2011 standard,

Category	E-Field Emissions dB(V/m) < 960MHz
M1	50-55
M2	45-50
M3	40-45
M4	<40

Category	E-Field Emissions dB(V/m) > 960MHz
M1	40-45
M2	35-40
M3	30-35
M4	<30

WD RF audio interference level categories in logarithmic units

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# 14. Instruments List

Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration
Schmid & Partner Engineering AG	E-Field Probe	ER3DV6	2306	Mar.20,2017	Mar.19,2018
		CD835V3	1052	Mar.20,2017	Mar.19,2018
Schmid & Partner Engineering AG	System Validation Dipole	CD1880V3	1044	Mar.20,2017	Mar.19,2018
		CD2600V3	1010	Nov,17,2016	Nov,16,2017
Schmid & Partner Engineering AG	Data acquisition Electronics	DAE4	547	Mar.22,2017	Mar.21,2018
Schmid & Partner	Software	DASY52	N/A	Calibration	Calibration
Engineering AG	Soliwale	52.8.8	IN/A	not required	not required
Agilant	Dialactria Draha Kit	85070D	US01440168	Calibration	Calibration
Agilent	Dielectric Probe Kit			not required	not required
Agilent	Dual-directional coupler	778D	MY52180302	Apr.13,2017	Apr.12,2018
Agilent	RF Signal Generator	N5181A	MY50144143	Mar.01,2017	Feb.28,2018
Schmid & Partner Engineering AG	Test Arch SD HAC	P01	1047	Calibration not required	Calibration not required
Agilent	Power Meter	E4417A	MY52240003	Jan.20,2017	Jan.19,2018
Agilant	Power Sensor	E9301H	MY52200003	Oct.17,2016	Oct.16,2017
Agilent	ruwei Jeiisui		MY52200004	Oct.17,2016	Oct.16,2017

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Manufacturer	Device	Туре	Serial number	Date of last calibration	Date of next calibration
Anritsu	Radio Communication Test	MT8820C	6201061049	Apr.08,2017	Apr.07,2018

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# **15. Summary of Results**

### E-Field

E-Field Emission	Channel	Modulation Interference Factor	Conducted Power (dBm)	Power Drift(dB)	Audio Interference Level dB(V/m)	RESULT	Excl Blocks per 4.3.1.2.2
	128	3.63	32.75	0.07	39.41	M4	689
GSM 850	190	3.63	32.75	-0.04	35.97	M4	689
	251	3.63	32.78	0.07	35.54	M4	689
E-Field Emission	Channel	Modulation Interference Factor	Conducted Power (dBm)	Power Drift(dB)	Audio Interference Level dB(V/m)	RESULT	Excl Blocks per 4.3.1.2.2
	512	3.63	30.07	-0.16	26.95	M4	123
GSM 1900	661	3.63	30.04	-0.08	25.38	M4	123
	810	3.63	29.98	-0.13	22.93	M4	123
E-Field Emission	Channel	Modulation Interference Factor	Conducted Power (dBm)	Power Drift(dB)	Audio Interference Level dB(V/m)	RESULT	Excl Blocks per 4.3.1.2.2
	37850	-1.44	22.31	-0.19	17.33	M4	123
LTE B38	38000	-1.44	22.48	0.12	17.01	M4	123
	38150	-1.44	22.55	-0.10	17.15	M4	123
E-Field Emission	Channel	Modulation Interference Factor	Conducted Power (dBm)	Power Drift(dB)	Audio Interference Level dB(V/m)	RESULT	Excl Blocks per 4.3.1.2.2
	39750	-1.44	22.97	0.11	18.45	M4	123
	40185	-1.44	22.99	-0.17	18.48	M4	123
LTE B41	40620	-1.44	22.85	-0.13	17.88	M4	123
	41055	-1.44	22.85	0.15	17.62	M4	123
	41490	-1.44	22.28	0.07	17.43	M4	123

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# 16. Measurement Data

Date: 2017/9/15

# HAC RF-EMISSION GSM 850 CH 128

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz

Medium parameters used:  $\sigma = 0$  S/m,  $\varepsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: RF Section

**DASY5** Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ; •
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373) •

Device E-Field measurement /E Scan: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 40.04 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.91 dBV/m

### Emission category: M4

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
32.51 dBV/m	34.69 dBV/m	34.7 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
32.69 dBV/m	34.91 dBV/m	34.94 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
32.97 dBV/m	35.11 dBV/m	35.13 dBV/m

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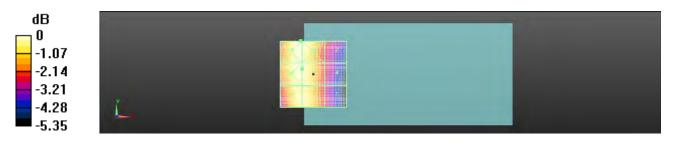
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 35.13 dBV/m E Category: M4 Location: -9.5, 25, 8.7 mm



0 dB = 57.07 V/m = 35.13 dBV/m

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Date: 2017/9/15

# HAC RF-EMISSION\_GSM 850\_CH 190

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz

Medium parameters used:  $\sigma = 0$  S/m,  $\varepsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: RF Section

**DASY5** Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface) •
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ; •
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Device E-Field measurement /E Scan: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 45.48 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.97 dBV/m

### Emission category: M4

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
33.38 dBV/m	35.81 dBV/m	35.83 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
33.52 dBV/m	35.97 dBV/m	36.02 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
33.84 dBV/m	36.16 dBV/m	36.19 dBV/m

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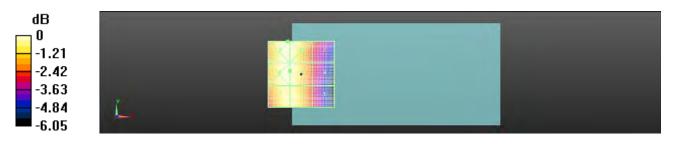
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 36.19 dBV/m E Category: M4 Location: -10, 25, 8.7 mm



0 dB = 64.52 V/m = 36.19 dBV/m

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Date: 2017/9/15

# HAC RF-EMISSION\_GSM 850\_CH 251

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz

Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ;
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Device E-Field measurement /E Scan:** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 41.82 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.54 dBV/m

### **Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
32.57 dBV/m	35.34 dBV/m	35.4 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
32.75 dBV/m	35.54 dBV/m	35.65 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
33.11 dBV/m	35.76 dBV/m	35.82 dBV/m

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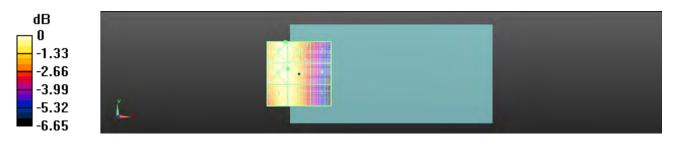
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 35.82 dBV/m E Category: M4 Location: -10.5, 25, 8.7 mm



0 dB = 61.82 V/m = 35.82 dBV/m

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Date: 2017/9/15

# HAC RF-EMISSION GSM 1900 CH 512

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz

Medium parameters used:  $\sigma = 0$  S/m,  $\varepsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: RF Section

**DASY5** Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface) •
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ; •
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Device E-Field measurement /E Scan: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.293 V/m; Power Drift = -0.16 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.95 dBV/m

### Emission category: M4

MIF scaled E-field

		Grid 3 <b>M4</b>
26.91 dBV/m	28.3 dBV/m	27.98 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
22.51 dBV/m	21.85 dBV/m	22.95 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
22.77 dBV/m	26.81 dBV/m	26.95 dBV/m

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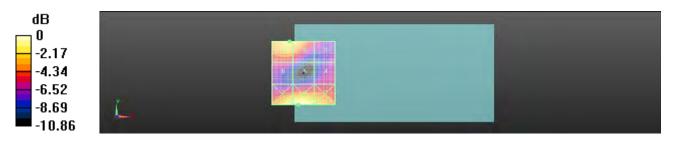
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 28.30 dBV/m E Category: M4 Location: -4, -25, 8.7 mm



0 dB = 26.00 V/m = 28.30 dBV/m

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Date: 2017/9/15

# HAC RF-EMISSION GSM 1900 CH 661

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz

Medium parameters used:  $\sigma = 0$  S/m,  $\varepsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: RF Section

**DASY5** Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface) •
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ; •
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Device E-Field measurement /E Scan: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.564 V/m; Power Drift = -0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.38 dBV/m

### Emission category: M4

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
24.88 dBV/m	26.64 dBV/m	26.5 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
22.1 dBV/m	21.36 dBV/m	21.01 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
21.72 dBV/m	25.17 dBV/m	25.38 dBV/m

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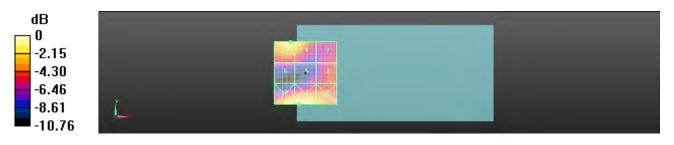
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 26.64 dBV/m E Category: M4 Location: -5, -25, 8.7 mm



0 dB = 21.48 V/m = 26.64 dBV/m

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Date: 2017/9/15

# HAC RF-EMISSION\_GSM 1900\_CH 810

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz

Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ;
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Device E-Field measurement /E Scan:** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.963 V/m; Power Drift = -0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 22.93 dBV/m

### **Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
22.72 dBV/m	24.47 dBV/m	24.34 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
21.94 dBV/m	20.28 dBV/m	18.32 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
21.12 dBV/m	22.67 dBV/m	22.93 dBV/m

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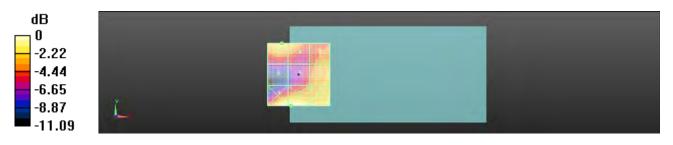
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 24.47 dBV/m E Category: M4 Location: -6, -25, 8.7 mm



0 dB = 16.73 V/m = 24.47 dBV/m

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Report No. : E5/2017/80025 Page: 92 of 144

Date: 2017/9/29

# HAC-RF-Emission\_LTE Band 38 (20M)\_CH 37850\_16QAM\_1-0

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2580 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\varepsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

**DASY5** Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface) •
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ; •
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Device E-Field measurement /E Scan: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.668 V/m; Power Drift = -0.19 dB

Applied MIF = -1.44 dB

RF audio interference level = 17.33 dBV/m

### Emission category: M4

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
20.52 dBV/m	20.43 dBV/m	20.77 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
17.33 dBV/m	16.87 dBV/m	17.12 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
15.77 dBV/m	16.02 dBV/m	16.69 dBV/m

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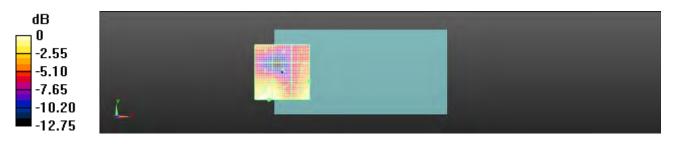
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 20.77 dBV/m E Category: M4 Location: -12, -25, 8.7 mm



0 dB = 10.92 V/m = 20.77 dBV/m

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Report No. : E5/2017/80025 Page : 94 of 144

Date: 2017/9/29

# HAC-RF-Emission\_LTE Band 38 (20M)\_CH 38000\_16QAM\_1-0

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2595 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ;
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Device E-Field measurement /E Scan:** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.143 V/m; Power Drift = 0.12 dB

Applied MIF = -1.44 dB

RF audio interference level = 17.01 dBV/m

### **Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
20.36 dBV/m	19.91 dBV/m	20.25 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
17.01 dBV/m	16.27 dBV/m	16.6 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
15.67 dBV/m	15.58 dBV/m	16.05 dBV/m

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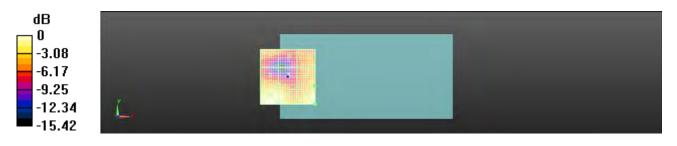
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 20.36 dBV/m E Category: M4 Location: 25, -25, 8.7 mm



0 dB = 10.42 V/m = 20.36 dBV/m

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Report No. : E5/2017/80025 Page : 96 of 144

Date: 2017/9/29

# HAC-RF-Emission\_LTE Band 38 (20M)\_CH 38150\_16QAM\_1-0

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2610 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ;
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Device E-Field measurement /E Scan:** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.756 V/m; Power Drift = -0.10 dB

Applied MIF = -1.44 dB

RF audio interference level = 17.15 dBV/m

### **Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
20.03 dBV/m	19.32 dBV/m	19.72 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
16.67 dBV/m	16.56 dBV/m	17.15 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
15.01 dBV/m	14.51 dBV/m	15.38 dBV/m

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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 20.03 dBV/m E Category: M4 Location: 25, -25, 8.7 mm



0 dB = 10.03 V/m = 20.03 dBV/m

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Date: 2017/9/29

# HAC-RF-Emission\_LTE Band 41 (20M)\_CH 39750\_16QAM\_1-0

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\varepsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

**DASY5** Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface) •
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ; •
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Device E-Field measurement /E Scan: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.017 V/m; Power Drift = 0.11 dB

Applied MIF = -1.44 dB

RF audio interference level = 18.45 dBV/m

#### Emission category: M4

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
21.16 dBV/m	21.22 dBV/m	21.55 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
17.65 dBV/m	17.8 dBV/m	18.45 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
16.01 dBV/m	16.42 dBV/m	17.16 dBV/m

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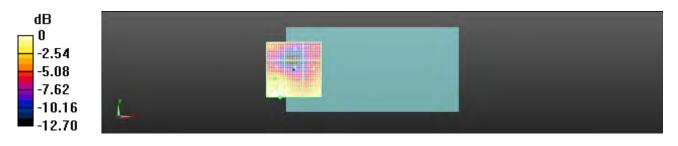
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 21.55 dBV/m E Category: M4 Location: -12.5, -25, 8.7 mm



0 dB = 11.96 V/m = 21.55 dBV/m

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Date: 2017/9/29

# HAC-RF-Emission\_LTE Band 41 (20M)\_CH 40185\_16QAM\_1-0

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ;
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Device E-Field measurement /E Scan:** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.396 V/m; Power Drift = -0.17 dB

Applied MIF = -1.44 dB

RF audio interference level = 18.48 dBV/m

### **Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
21.39 dBV/m	21.9 dBV/m	22.1 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
18.48 dBV/m	17.25 dBV/m	17.68 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
17.31 dBV/m	17.33 dBV/m	17.79 dBV/m

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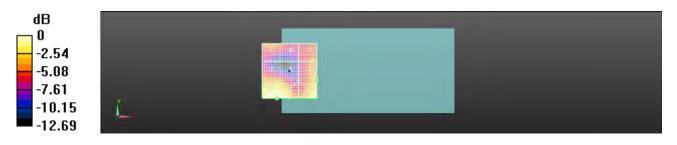
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 22.10 dBV/m E Category: M4 Location: -11.5, -25, 8.7 mm



0 dB = 12.73 V/m = 22.10 dBV/m

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Date: 2017/9/29

# HAC-RF-Emission\_LTE Band 41 (20M)\_CH 40620\_16QAM\_1-0

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\varepsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

**DASY5** Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface) •
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ; •
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Device E-Field measurement /E Scan: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 6.312 V/m; Power Drift = -0.13 dB

Applied MIF = -1.44 dB

RF audio interference level = 17.88 dBV/m

### Emission category: M4

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
21.29 dBV/m	20.92 dBV/m	21.32 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
17.85 dBV/m	17.51 dBV/m	17.88 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
16.31 dBV/m	16.24 dBV/m	16.97 dBV/m

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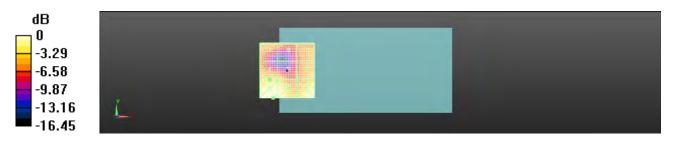
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 21.32 dBV/m E Category: M4 Location: -13, -25, 8.7 mm



0 dB = 11.64 V/m = 21.32 dBV/m

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Date: 2017/9/29

# HAC-RF-Emission\_LTE Band 41 (20M)\_CH 41055\_16QAM\_1-0

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\varepsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

**DASY5** Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface) •
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ; •
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Device E-Field measurement /E Scan: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 5.160 V/m; Power Drift = 0.15 dB

Applied MIF = -1.44 dB

RF audio interference level = 17.62 dBV/m

### Emission category: M4

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
20.09 dBV/m	20.12 dBV/m	20.59 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
16.55 dBV/m	17.01 dBV/m	17.62 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
15.45 dBV/m	15.87 dBV/m	16.13 dBV/m

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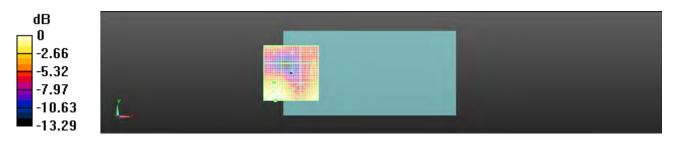
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 20.59 dBV/m E Category: M4 Location: -14.5, -25, 8.7 mm



0 dB = 10.71 V/m = 20.59 dBV/m

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Date: 2017/9/29

# HAC-RF-Emission\_LTE Band 41 (20M)\_CH 41490\_16QAM\_1-0

Communication System: UID 10173 - CAB, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ;
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

**Device E-Field measurement /E Scan:** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 4.436 V/m; Power Drift = 0.07 dB

Applied MIF = -1.44 dB

RF audio interference level = 17.43 dBV/m

### **Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
19.58 dBV/m	19.93 dBV/m	20.42 dBV/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
16.23 dBV/m	16.8 dBV/m	17.43 dBV/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
14.92 dBV/m	14.37 dBV/m	14.71 dBV/m

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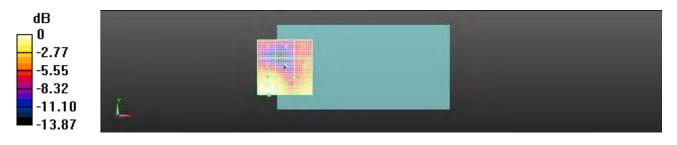
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Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
М3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Total = 20.42 dBV/m E Category: M4 Location: -14.5, -25, 8.7 mm



0 dB = 10.49 V/m = 20.42 dBV/m

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# **17. System Verification**

Date: 2017/9/15

### Dipole CD835\_SN:1052

Communication System: CW; Frequency: 835 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

DASY5 Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ;
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

Dipole E-Field measurement: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 107.4 V/m; Power Drift = 0.00 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 108.9 V/m

### Near-field category: M4 (AWF 0 dB)

PMF scaled E-field

Grid 1 <b>M4</b>	Grid 2 <b>M4</b>	Grid 3 <b>M4</b>
103.7 V/m	108.9 V/m	102.2 V/m
Grid 4 <b>M4</b>	Grid 5 <b>M4</b>	Grid 6 <b>M4</b>
62.44 V/m	62.63 V/m	60.59 V/m
Grid 7 <b>M4</b>	Grid 8 <b>M4</b>	Grid 9 <b>M4</b>
110.4 V/m	110.5 V/m	110.0 V/m

### Cursor:

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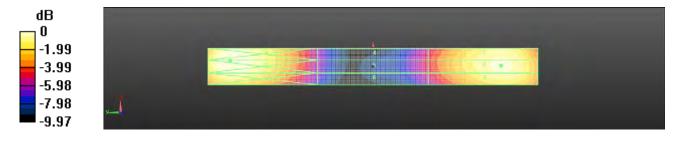
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Total = 110.5 V/m E Category: M4 Location: 3, 78, 9.7 mm



0 dB = 110.5 V/m = 40.86 dBV/m

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Date: 2017/9/15

# Dipole CD1880\_SN:1044

Communication System: CW; Frequency: 1880 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

# DASY5 Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ;
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

# **Dipole E-Field measurement:** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

# Device Reference Point: 0, 0, -6.3 mm

Reference Value = 159.3 V/m; Power Drift = -0.02 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 89.94 V/m

# Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 <b>M3</b>	Grid 2 <b>M3</b>	Grid 3 <b>M3</b>
90.06 V/m	91.43 V/m	90.04 V/m
Grid 4 <b>M3</b>	Grid 5 <b>M3</b>	Grid 6 <b>M3</b>
69.98 V/m	70.52 V/m	69.25 V/m
Grid 7 <b>M3</b>	Grid 8 <b>M3</b>	Grid 9 <b>M3</b>
88.80 V/m	89.94 V/m	88.25 V/m

# Cursor:

Total = 91.43 V/m E Category: M3 Location: 0, -32.5, 9.7 mm

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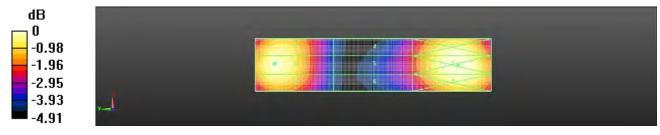
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0 dB = 91.43 V/m = 39.22 dBV/m

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Date: 2017/9/29

# Dipole CD2600\_SN:1010

Communication System: CW; Frequency: 2600 MHz Medium parameters used:  $\sigma = 0$  S/m,  $\varepsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup> Phantom section: RF Section

# **DASY5** Configuration:

- Probe: ER3DV6 SN2306; ConvF(1, 1, 1); Calibrated: 2017/3/20; •
- Sensor-Surface: (Fix Surface) •
- Electronics: DAE4 Sn547; Calibrated: 2017/3/22
- Phantom: HAC Test Arch; ;
- DASY52 52.8.8(1258); SEMCAD X 14.6.10(7373)

# Dipole E-Field measurement: Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 73.29 V/m; Power Drift = -0.01 dB

PMR not calibrated. PMF = 1.000 is applied.

E-field emissions = 82.14 V/m

# Near-field category: M3 (AWF 0 dB)

PMF scaled E-field

Grid 1 <b>M3</b>	Grid 2 <b>M3</b>	Grid 3 <b>M3</b>
81.69 V/m	87.83 V/m	87.86 V/m
Grid 4 <b>M3</b>	Grid 5 <b>M3</b>	Grid 6 <b>M3</b>
77.98 V/m	82.14 V/m	82.14 V/m
Grid 7 <b>M3</b>	Grid 8 <b>M3</b>	Grid 9 <b>M3</b>
75.99 V/m	80.22 V/m	80.30 V/m

# Cursor:

Total = 87.86 V/m E Category: M3 Location: -4, -23, 9.7 mm

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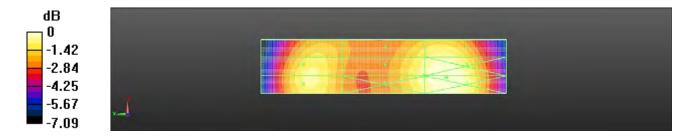
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0 dB = 87.86 V/m = 38.88 dBV/m

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# **18. DAE & Probe Calibration Certificate**

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condited by the Sweet Accredit he Swiss Accreditation Servic luitilateral Agreement for the r	e is one of the signatories	to the EA	a: SCS 0108
lient SGS - TW (Aud			DAE4-547_Mar17
CALIBRATION	CERTIFICATE		
Object	DAE4 - SD 000 D	04 BM - SN: 547	
Calibration procedure(s)	QA CAL-06.v29 Calibration proceed	lure for the data acquisition electr	onics (DAE)
Galibration date	March 22, 2017		
The measurements and the unc All calibrations have been condu	ertainties with confidence pri Icled in the closed laboratory	inal standards, which realize the physical units obability are given on the following pages and / factify, environment temperature (22 + 31°C)	are part of the contribute.
The measurements and the uno All calibrations have been condu Calibration Equipment used (MM	ertaintips with confidence princed in the closed laboratory	obability are given on the following pages and / factility: environment temperature (22 ± 31°C)	aro part of the cartificato. and humidity < 70%,
The measurements and the uno All calibrations have been condu- Calibration Equipment used (M8 Primary Standards	ertainties with confidence pri Icled in the closed laboratory	obability are given on the following pages and	are part of the contribute.
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Calibration Laboratory of Schmid & Partner Engineeting AG Zevahaustrasse 43, 6004 Zurich, Switzerland



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Accreditation No.: SCS 0108

Accentied by the Swise Accendition Service (SAS) The Swise Accenditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration serviceates

### Glossary

DAE Connector angle

data acquisition electronics 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 following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
  - DC Voltage Measurement Linearity: Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this measurement.
  - Common mode sensitivity; Influence of a positive or negative common mode voltage on the differential measurement.
  - Channel separation: Influence of a voltage on the neighbor channels not subject to an input voltage.
  - AD Converter Values with inputs shorted, Values on the internal AD converter corresponding to zero input voltage
  - Input Offset Measurement: Output voltage and statistical results over a large number of zero voltage measurements.
  - Input Offset Current: Typical value for information; Maximum channel input offset current, not considering the input resistance.
  - Input resistance: Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
  - Low Battery Alarm Voltage: Typical value for information. Below this voltage, a bettery alarm signal is generated.
  - Power consumption: Typical value for information. Supply currents in various operating modes.

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### DC Voltage Measurement

A/D - Converter Resolution nominal High Range: 1LSB = 6.1µV. full range = -100...+300 mV Low Range: 1LSB = 61nV. full range = -1......+3mV DASY measurement parameters: Auto Zero Time: 3 sec. Measuring time: 3 sec.

<b>Calibration Factors</b>	X	Y	z
High Bange	403.189 / 0.02% (k=2)	403.093±0.02% (k=2)	402.739 ± 0.02% (k=2)
Low Range	3.95348 ± 1.50% (k=2)	3.90456 ± 1.50% (k=2)	3.96243 ± 1.50% (k=2)

**Connector Angle** 

Connector Angle to be used in DASY system	91.0 °±1 =
and the second sec	

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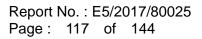
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### Appendix (Additional assessments outside the scope of SCS0108)

### 1. DC Voltage Linearity

High Range	Reading (µV)	Difference (µV)	Error (%)
Channel X + Input	200031.23	0,59	0.00
Channel X + Input	20005,44	2.04	0.01
Channel X - Input	-20000.97	4,91	-0.02
Channel Y + Input	200029.80	-1.03	-0.00
Channel Y + Input	20000.30	-3.03	-0.02
Channel Y - Input	-20007.73	-1.72	0.01
Channel Z + Input	200030.21	-0.96	-0.00
Channel Z + Input	20003.13	-0.21	-0.00
Channel Z - Input	-20005.14	0.81	-0.00

Low Range	Reading (µV)	Difference (µV)	Error (%)
Channel X + Input	2000.02	-0.08	-0.00
Channel X + Input	200 18	0.36	0.18
Channel X - Input	-200.†6	0.00	-0.00
Channel Y + Input	2000.10	0.06	0.00
Channel Y + Input	199.43	-0,40	-0.20
Channel Y - Input	-200.77	-0.70	0:35
Channel Z + Input	2000,19	0.28	0.01
Channel Z + Input	198.82	-1,00	-0.50
Channel Z - Input	-201,46	-1.37	0.68

### 2. Common mode sensitivity

DASY measurement parameters. Auto Zero Time: 3 sec; Measuring time: 3 sec

	Common mode Input Voltage (mV)	High Range Average Reading (µV)	Low Range Average Reading (µV)
Channel X	200	-2.09	-5.00
	- 200	6.80	4,50
Channel V	200	-0.57	4.21
	- 200	0,37	-0.41
Channel Z	200	5.07	4.93
	+ 200	+7,67	-8.12

### 3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec: Measuring time: 3 sec

	Input Voltage (mV)	Channel X (µV)	Channel Y (µV)	Channel Z (µV)
Channel X	200	-	2.65	-2.08
Channel Y	200	10,56		3.60
Channel Z	200	4.55	7.85	

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### 4. AD-Converter Values with inputs shorted

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

High Range (LSB)	Low Range (LSB)
16364	15364
16476	16801
16077	16468
	16364

### 5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec Inout 10MD.

	Average (µV)	min. Offset (µV)	max. Offset (µV)	Std. Deviation (µV)
Channel X	-0.53	-1.14	0.26	0.31
Channel Y	-1.03	-2.43	-0.21	0.32
Channel Z	-1.56	-2.31	-0.62	0.35

### 6. Input Offset Current

Nominal Input circuitry offset current on all channels: <251A

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

### 8. Low Battery Alarm Voltage (Typical values for information)

Typical values	Alarm Level (VDC)
Supply (+ Vcc)	+7.9
Supply (- Vcc)	-7,6

### 9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Voc)	+0.01	+6	#14
Supply (- Voc)	-0.01	B	-9

Certificate No: DAE4-547\_Mar1

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CALIBRATION	CERTIFICATE		
Objeci.	ER3DV6 - SN:230	6	
Calibration procedure(s)	QA CAL-02.v8, Q/ Calibration proced evaluations in air	A CAL-25.v6 lure for E-field probes optimized f	or close near field
Calibration date:	November 23, 201	6	
		lacility environment temperature (22 ± 3)°C (	and humidity < 70%.
Calibration Equipment used (M8	STE critical for calibration)		
Calibration Equipment used (M&	STE entical for calibration)	Cel Date (Certilicate No.)	Scheduled Calibration
Calibration Equipment used (M8 Primary Standards Power meter NRP	STE critical for calibration)	Cal Date (Certilicate No.) 06-Apr 16 (No. 217-02288/02289)	Scheduled Calibration
Calibration Equipment used (M8 Primary Standards Power meter NRP Power sensor NRP-291	TE entical for calibration)	Cel Date (Certilicate No.)	Scheduled Calibration
Calibration Equipment used (M8 Primary Standards Power meter NRP Power sensor NRP-291 Power sensor NRP-291	TE entical for calibration) ID SN: 104778 SN: 103244	Cal Dale (Certilicate No.) 06-Apr-16 (No. 217-02268/02289) 06-Apr-16 (No. 217-02288)	Scheduled Calibration Apr-17 Apr-17
Calibration Equipment used (M8 Primary Standards Power meter NRP Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Altenuator	TE entical for calibration) ID SN: 104778 SN: 103244 SN: 103245	Cal Date (Certilicate No.) 06-Apr-16 (No. 217-02288/02289) 06-Apr-16 (No. 217-02288) 06-Apr-16 (No. 217-02289)	Scheduled Calibration Apr-17 Apr-17 Apr-17
Calibration Equipment used (M8 Primary Standards Power meter NRP Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Attenuator Reference Probe ER3DV6	TE entical for calibration) ID SN: 104778 SN: 103244 SN: 103245 SN: 103245 SN: 55277 (20x)	Cal Date (Certificate No.) 06-Apr-16 (No. 217-02268/02289) 06-Apr-16 (No. 217-02288) 06-Apr-16 (No. 217-02289) 05-Apr-16 (No. 217-02293)	Scheduled Calibration Apr-17 Apr-17 Apr-17 Apr-17
Calibration Equipment used (M8 Primary Standards Power meter NRP Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Attenuator Reference Probe ER3DV6 DAE4	TE critical for calibration) ID SN: 104778 SN: 103244 SN: 103245 SN: 55277 (20x) SN: 2328	Cal Date (Certilicate No.) 06-Apr-16 (No. 217-02288/02289) 06-Apr-16 (No. 217-02288) 06-Apr-16 (No. 217-02289) 05-Apr-16 (No. 217-0229) 14-Oct-16 (No. ER3-2328_Oct16)	Scheduled Calibration Apr-17 Apr-17 Apr-17 Apr-17 Oct-17 Oct-17
Primary Standards Primary Standards Power meter NRP Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Attenuator Reference Probe ER3DV6 DAE4 Secondary Standards Power meter E4419B	TE entical for calibration) ID SN: 104778 SN: 103244 SN: 103245 SN: 55277 (20x) SN: 2328 SN: 2328 SN: 789 ID SN: GB41283874	Cel Dale (Certilicate No.) 06-Apr-16 (No. 217-02288/02289) 06-Apr-16 (No. 217-02288/02289) 06-Apr-16 (No. 217-02289) 05-Apr-16 (No. 217-02293) 14-Oct-16 (No. ER3-2328_Oct16) 11-Nov-16 (No. DAE4-789_Nov16) Check Date (in house) D6-Apr-16 (in house check Jun-16)	Scheduled Calibration Apr-17 Apr-17 Apr-17 Apr-17 Dol-17 Dol-17 Nov-17 Scheduled Check In house check Jun-18
Calibration Equipment used (M8 Primary Standards Power meter NRP Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Attenuator Reference 20 dB Attenuator Reference 20 dB Attenuator Reference Probe ER3DV6 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A	ID         SN: 104778           SN: 103244         SN: 103245           SN: 103245         SN: 55277 (20x)           SN: 2328         SN: 2328           SN: 6841283874         SN: 9841283874           SN: 9841283874         SN: MY41498087	Cal Dale (Certilicate No.) 06-Apr-16 (No. 217-02288/002289) 06-Apr-16 (No. 217-02288) 06-Apr-16 (No. 217-02289) 05-Apr-16 (No. 217-0229) 14-Oct-16 (No. 217-0229) 14-Oct-16 (No. 217-0229) 14-Oct-16 (No. DAE4-789_Nov16) 06-Apr-16 (in house) 06-Apr-16 (in house check Jun-16) 06-Apr-16 (in house check Jun-16)	Scheduled Calibration Apr-17 Apr-17 Apr-17 Apr-17 Dot-17 Dot-17 Nov-17 Scheduled Check In house check: Jun-18 In house check: Jun-18
Calibration Equipment used (M8 Primary Standards Power meter NRP Power sensor NRP-291 Reference 20 B Alternutor Reference Probe ER3DV6 DAE4 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A	TE critical for calibration) ID SN: 104778 SN: 103244 SN: 103245 SN: 5227 (20x) SN: 5228 SN: 789 ID SN: GB41283874 SN: MY41498087 SN: 000110210	Cal Date (Certilicale No.) 06-Ap=16 (No. 217-02288/02289) 06-Ap=15 (No. 217-02288) 05-Ap=15 (No. 217-02289) 05-Ap=15 (No. 217-0229) 14-Oct-16 (No. ER3-2328_Cot15) 11-Nov-16 (No. ER3-2328_Cot16) 11-Nov-16 (No. ER3-2328_Cot16) 06-Apr-16 (in house) 06-Apr-16 (in house check Jun-16) 06-Apr-16 (in house check Jun-16)	Scheduled Calibration Apr-17 Apr-17 Apr-17 Apr-17 Dol-17 Nov-17 Nov-17 Scheduled Check In house check: Jun-18 In house check: Jun-18 In house check: Jun-18
Calibration Equipment used (M8 Primasy Standards Power meter NRP Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Attenuator Reference Probe ER3DV6 DAE4 Secondary Standards Power meter E44198 Power sensor E4412A Power sensor E4412A RF generator NP 8648C	ID         SN: 104778           SN: 103244         SN: 103245           SN: 103245         SN: 55277 (20x)           SN: 2328         SN: 2328           SN: 6841283874         SN: 9841283874           SN: 9841283874         SN: MY41498087	Cal Dale (Certilicate No.) 06-Apr-16 (No. 217-02288/002289) 06-Apr-16 (No. 217-02288) 06-Apr-16 (No. 217-02289) 05-Apr-16 (No. 217-0229) 14-Oct-16 (No. 217-0229) 14-Oct-16 (No. 217-0229) 14-Oct-16 (No. DAE4-789_Nov16) 06-Apr-16 (in house) 06-Apr-16 (in house check Jun-16) 06-Apr-16 (in house check Jun-16)	Scheduled Calibration Apr-17 Apr-17 Apr-17 Apr-17 Dot-17 Dot-17 Nov-17 Scheduled Check In house check: Jun-18 In house check: Jun-18
Calibration Equipment used (M8 Primary Standards Power meter NRP Power sensor NRP-291 Power sensor NRP-291 Reference 20 dB Altenuator Reference Probe ER3DV6 DAE4 Secondary Standards Power meter E44198 Power sensor E4412A RF generator HP 8648C	ID           SN: 104778           SN: 103244           SN: 103245           SN: 2328           SN: 2328           SN: 2328           SN: 6B41283874           SN: 000110210           SN: US3642U01700           SN: US3700686	Cal Date (Certilicate No.)           06-Ap<16 (No. 217-02288/002289)	Scheduled Calibration Apr-17 Apr-17 Apr-17 Apr-17 Dot-17 Dot-17 Nov-17 Scheduled Check In house check: Jun-18 In house check: Jun-18
Calibration Equipment used (M8 Primary Standards Power meter NRP Power sensor NRP-291 Reference 20 dB Alternutor Reference Proba ER3DV6 DAE4 Secondary Standerds Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator NP 8648C Notwork Analyzor NP 8753E	ID           SN: 104778           SN: 103244           SN: 103245           SN: 55277 (20x)           SN: 789           ID           SN: GB41283874           SN: MY41498087           SN: 000110210           SN: US3642001700	Cal Date (Certilicate No.) 06-Apr-16 (No. 217-02288/02289) 06-Apr-16 (No. 217-02288) 06-Apr-16 (No. 217-02289) 05-Apr-16 (No. 217-02293) 14-Oct-16 (No. 217-02293) 14-Oct-16 (No. 2F3-2328_Oct16) 11-Nov-16 (No. DAE4-789_Nov16) Check Date (in house) 06-Apr-16 (in house check Jun-16) 06-Apr-16 (in house check Jun-16) 06-Apr-16 (in house check Jun-16) 06-Apr-16 (in house check Jun-16)	Scheduled Calibration Apr-17 Apr-17 Apr-17 Apr-17 Oct-17 Oct-17 Nov-17 Nov-17 Scheduled Check In house check Jun-18 In house check: Jun-18 In house check: Jun-18 In house check: Jun-18
Calibration Equipment used (M8	TE entical for calibration) ID SN: 104778 SN: 103244 SN: 103245 SN: 53277 (20x) SN: 2328 SN: 789 ID SN: GB41283874 SN: MY41498087 SN: 000110210 SN: US37300686 Name	Cal Dale (Certilicate No.)           06-Ap=16 (No. 217-02288/02289)           06-Ap=16 (No. 217-02288)           06-Ap=16 (No. 217-02289)           05-Ap=16 (No. 217-02289)           05-Ap=16 (No. 217-02293)           14-Oct-16 (No. ER3-2328_Oct16)           11-Nov-16 (No. ER3-2328_Oct16)           06-Ap=16 (No. DAE4-789_Nov16)           06-Ap=16 (in house)           06-Ap=16 (in house)           06-Ap=16 (in house)           06-Ap=16 (in house check Jun-16)           06-Ap=16 (in house check Jun-16)           06-Ap=16 (in house check Jun-16)           06-Ap=10 (in house check Jun-16)           06-Ap=10 (in house check Jun-16)           07-Ap=99 (in house check Jun-16)           18 Oct 01 (in house check Au-16)           Function	Scheduled Calibration Apr-17 Apr-17 Apr-17 Dol-17 Dol-17 Nov-17 Scheduled Check In house check: Jun-18 In house check: Oct-17 Signature

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



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Schweizerischer Kalibrierdienst Service sulsse d'étalormage Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

Accteduted by the Swess Accreditation Service (SAS) The Swiss Accreditation Service is one of the signatories to the EA Multiläteral 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
Polarization $\phi$	φ rotation around probe axis
Polarization 9	B rotation around an axis that is in the plane normal to probe axis (at measurement center)
Connector Angle	i.e., 8 = 0 is normal to probe axis 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 3.0, November 2013

### Methods Applied and Interpretation of Parameters:

- NORMX, y, z: Assessed for E-field polarization 9 = 0 for XY sensors and 8 = 90 for Z sensor (f < 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide).
- NORM(I)x, y, z = NORMx, y, z \* Irequency\_response (see Frequency Response Chart).
- 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
- 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 NORMs (no uncertainty required).

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ER3DV6 - SN:2306

November 23, 2016

# Probe ER3DV6

# SN:2306

Manufactured: Calibrated: December 17, 2002 November 23, 2016

Calibrated for DASY/EASY Systems (Note: non-compatible with DASY2 system!)

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EB3DV0 - SN:2306

### November 23, 2016

# DASY/EASY - Parameters of Probe: ER3DV6 - SN:2306

### **Basic Calibration Parameters**

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (µV/(V/m) <sup>2</sup> )	1.05	1.08	1.19	± 10.1 %
DCP (mV) <sup>8</sup>	102.1	101.9	104.6	

### Modulation Calibration Parameters

ulo	Communication System Name		A dB	B dBõV	c	D dB	VR mV	Unc <sup>±</sup> (k=2)
0	CW	X	0.0	0.0	1.0	0,00	153.2	±3.3 %
Sec. 19. 1		Y	0.0	0.0	5.0		166.4	11
		Z	0.0	0.0	1.0	1	156.4	
10010- CAA	SAR Validation (Square, 100ms, 10ms)	×	0.33	.50,6	4,6	10.00	36.4	±2.7 %
		Y	0.34	49.4	4.6		37.8	
		Z	0.42	50.7	4.4	1.00	36.9	1.0.00
10021- DAC	GSM-FDD (TDMA, GMSK)	×	2.39	69.1	15.0	9,39	131.5	±2.5 %
1000		Y	3.16	76.0	19.5		139.0	
		2	2.56	68.9	15.1		130.6	
10295- AAB	CDMA2000, RC1, SO3, 1/8th Rate 25 fr.	x	5.49	70.5	26.8	12.49	80.8	14%
		Y	5.73	72.3	28.6		87.7	
		Z	6.01	72.1	27.0		84.7	

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%.

\* Numerical linearization parameter; uncertainty not required, © Uncertainty is determined using the max, deviation from linear response applying rectangular distribution and is expressed for the square of the field value.

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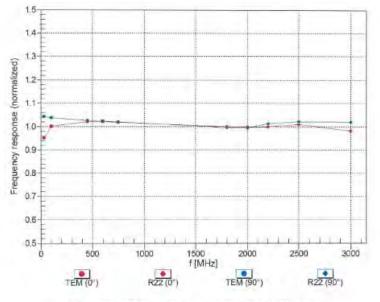
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ER3DV6 - SN:2306

November 23, 2016

### Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



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

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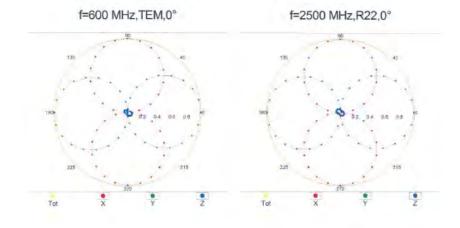
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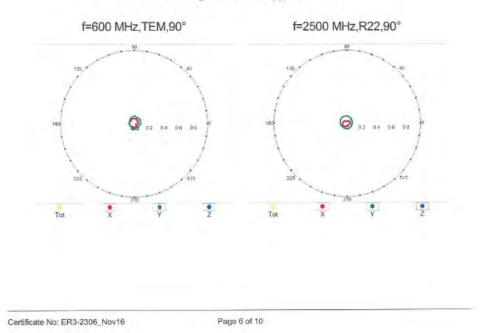
ER3DV6 - SN:2306

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Receiving Pattern (\$), 9 = 0°

Receiving Pattern ( $\phi$ ),  $\vartheta$  = 90°



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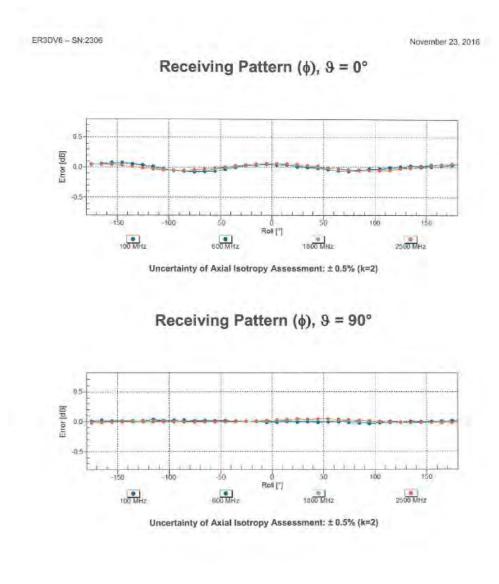
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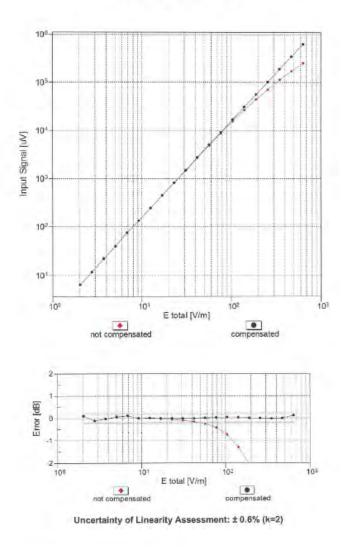
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November 23, 2016



Dynamic Range f(E-field) (TEM cell , f = 900 MHz)

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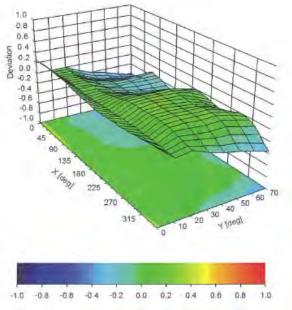


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# Deviation from Isotropy in Air Error ( $\phi$ , $\vartheta$ ), f = 900 MHz



Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

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ER3DV6 - SN.2306

November 23, 2016

## DASY/EASY - Parameters of Probe: ER3DV6 - SN:2306

### Other Probe Parameters

Sensor Arrangement	Rectangular
Connector Angle (°)	134.7
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	10 mm
Tip Diameter	8 mm
Probe Tip to Sensor X Calibration Point	2.5 mm
Probe Tip to Sensor Y Calibration Point	2.5 mm
Probe Tip to Sensor Z Calibration Point	2.5 mm

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# **19. Uncertainty Budget**

Error Description	Uncert. value	Prob. Dist.	Div.	(c <sub>i</sub> ) E	$\binom{(c_i)}{\mathbf{H}}$	Std. Unc. E	Std. Unc H
Measurement System							
Probe Calibration	$\pm 5.1\%$	N	1	1	1	$\pm 5.1\%$	±5.1%
Axial Isotropy	$\pm 4.7\%$	R	$\sqrt{3}$	1	1	$\pm 2.7\%$	$\pm 2.7\%$
Sensor Displacement	$\pm 16.5 \%$	R	$\sqrt{3}$	1	0.145	$\pm 9.5 \%$	$\pm 1.4\%$
Boundary Effects	$\pm 2.4\%$	R	$\sqrt{3}$	1	1	±1.4%	±1.4%
Phantom Boundary Effect	$\pm 7.2\%$	R	$\sqrt{3}$	1	0	±4.1%	±0.0%
Linearity	$\pm 4.7\%$	R	$\sqrt{3}$	1	1	$\pm 2.7\%$	$\pm 2.7 \%$
Scaling with PMR calibration	$\pm 10.0\%$	R	$\sqrt{3}$	1	1 -	±5.8%	±5.8%
System Detection Limit	$\pm 1.0\%$	R	$\sqrt{3}$	1	1	$\pm 0.6\%$	$\pm 0.6\%$
Readout Electronics	±0.3%	N	1	1	1	±0.3%	$\pm 0.3 \%$
Response Time	$\pm 0.8\%$	R	$\sqrt{3}$	1	1	$\pm 0.5\%$	±0.5%
Integration Time	$\pm 2.6\%$	R	$\sqrt{3}$	1	1	±1.5%	±1.5%
RF Ambient Conditions	$\pm 3.0\%$	R	$\sqrt{3}$	1	1	$\pm 1.7\%$	$\pm 1.7\%$
RF Reflections	$\pm 12.0\%$	R	$\sqrt{3}$	1	1	$\pm 6.9\%$	$\pm 6.9\%$
Probe Positioner	$\pm 1.2\%$	R	$\sqrt{3}$	1	0.67	±0.7%	$\pm 0.5 \%$
Probe Positioning	$\pm 4.7\%$	R	$\sqrt{3}$	1	0.67	$\pm 2.7\%$	±1.8%
Extrap. and Interpolation	$\pm 1.0\%$	R	$\sqrt{3}$	1	1	$\pm 0.6\%$	$\pm 0.6\%$
Test Sample Related	-		1.2.2.	(T			
Device Positioning Vertical	$\pm 4.7\%$	R	$\sqrt{3}$	1	0.67	$\pm 2.7\%$	±1.8%
Device Positioning Lateral	$\pm 1.0\%$	R	$\sqrt{3}$	1	1 -	$\pm 0.6\%$	$\pm 0.6\%$
Device Holder and Phantom	$\pm 2.4\%$	R	$\sqrt{3}$	1	1	±1.4%	$\pm 1.4\%$
Power Drift	$\pm 5.0\%$	R	$\sqrt{3}$	1	1	$\pm 2.9\%$	$\pm 2.9\%$
Phantom and Setup Related		1	155		-		
Phantom Thickness	$\pm 2.4\%$	R	$\sqrt{3}$	1	0.67	$\pm 1.4\%$	$\pm 0.9\%$
Combined Std. Uncertainty				14.2		$\pm 16.3\%$	$\pm 12.3\%$
Expanded Std. Uncertainty o	n Power n Field	1.0	1.000	1.1.1	-	$\pm 32.6\%$ $\pm 16.3\%$	$\pm 24.6\%$ $\pm 12.3\%$

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# 20. System Validation from Original Equipment Supplier

e Swiss Accreditation Service	a is one of the signatories	to the EA	creditation No.; SCS 0108
ultilateral Agreement for the n	ecognition of calibration e	certificates	
SGS-TW (Aude	n)	Certificate No:	CD835V3-1052_Mar17
ALIBRATION	CERTIFICATI	E C	
Dejact	CD835V3 - SN:	1052	
Calification procedure(e)	QA CAL-20.v6 Calibration proce	dure for dipoles in air	
Calibration date:	March 20, 2017		
		onal standards, which realize the physical uni robability are given on the following pagas an	
The managements and the unc	ertainlies with confidence p .cood in the closed laborate		d are part of the coefficies
The measurements and the unc All calibrations have been condu Calibration Equipment used (MS	ertainlies with confidence p .cood in the closed laborate	sobability are given on the following pages an ny facility: anvecomment temperature (22 $_{\rm B}$ S)*C	d are part of the coefficies
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Certificate No: CD835V3-1052\_Mar17

Page 1 of 5

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Calibration Laboratory of Schmid & Partner Engineering AG Zeughaisstrasse 43, 8004 Zunch, Switzerland



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### References

- [1] ANSI-063.19-2011
  - American National Standard, Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids.

Mathods 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 america (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.
- Anierina 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 like reflections. It is verified before the mounting of the dipole under the Test Arch phantom, that its arms are perfactly 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 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 (upper surface of the dipole) and the matching grid reference point (upper divide sension of the probe) considering the probe sensor offset. The vertical distance to the probe is essential for the accuracy.
- Faed Point Impedance and Return Loss: These parameters are measured using a HP 8753E 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-Netr distribution: E field is measured in the x-y-plane with an isotropic ERSD-field probe with 100 mW forward power to the antenna teed 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 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 6) 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 arms.

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

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### Measurement Conditions

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

DASY Version	DASY5	V52.8.8
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	109.4 V/m = 40.78 dBV/m
Maximum measured above low end	100 mW input power	107.9 V/m = 40.66 dBV/m
Averaged maximum above arm	100 mW input power	108.7 V/m ± 12.8 % (k=2)

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

### Antenna Parameters

Frequency	Return Loss	Impedance
800 MHz	15.6 dB	41.2 Ω - 12.5 jΩ
835 MHz	28.6 dB	51.0 Ω + 3.6 jΩ
900 MHz	17.1 dB	52.8 Ω - 14.3 jΩ
950 MHz	20.3 dB	49.8 Ω + 9.7 jΩ
960 MHz	15.0 dB	60.8 Ω + 16.8 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.

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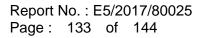
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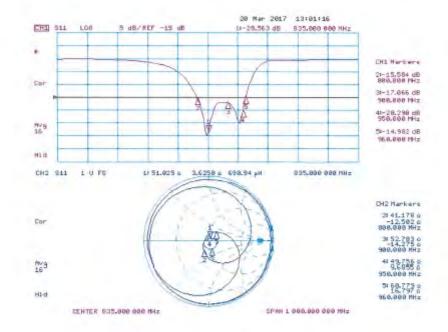
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### Impedance Measurement Plot





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### **DASY5 E-field Result**

Test Laboratory: SPEAG Lab2

Date: 17.03.2017

### DUT: HAC-Dipole 835 MHz; Type: CD835V3; Serial: CD835V3 - SN: 1052

Communication System: UID 0 – CW ; Frequency: 835 MHz Medium parameters used:  $\sigma = 0$  S/m, s. = 1; p = 1000 kg/m<sup>3</sup> Phantom section: RE Section Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: ER3DV6 SN2336; ConvF(1, 1, 1); Calibrated: 30.12.2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 02.09.2016
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070

MIE scaled E-field

DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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

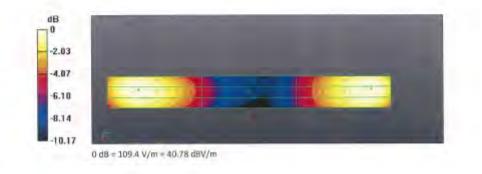
Reference Value = 108.8 V/m; Power Drift = -0.01 dB

Applied MIF = 0.00 dB

RF audio interference level = 40.78 dBV/m

Emission category: M3

and because it	IT PRESE LET		
Grid 1 M3	Grid 2 M3	Grid 3 M3	
40.35 dBV/m	40.66 dBV/m	40.6 dBV/m	
	Grid S M4 35.98 dBV/m	Grid 6 M4 35.9 dBV/m	
Grid 7 M3 40.46 dBV/m	Grid 8 M3 40.78 dBV/m	Grid 9 M3 40.74 dBV/m	



Certificate No: CD835V3-1052\_Mar17

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Calibration Laboratory of Schweizerischer Kallbrierdienst S Schmid & Partner Service suisse d'étalonnage C ac-MR/ Servizio svizzero di teratura Engineering AG S Zeughausstrasse 43, 8004 Zurich, Switzerland Switz Calibration Service Accredited by the Swiss Accreditation Service (SAS) Accreditation No.: SCS 0108 The Swiss Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates SGS-TW (Auden) Certificate No: CD1880V3-1044\_Mar17 CALIBRATION CERTIFICATE CD1880V3 - SN: 1044 Object. QA CAL-20.v6 Cambiation procedure(e) Calibration procedure for dipoles in air March 20, 2017 Calibration date This calibration certificate documents the tradeability 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 conclused in the closed laboratory facility: environment temperature (22 ± 3)°C and humidity = 70%. Calibration Equipment used (M&TE citical for calibration) Primary Standards ID # Cal Date (Certificate No.) Schedulad Calibration Power meter NRP SN: 104778 05-Apr-16 (No. 217-02288/02299) Apr-17 Power sensor NRP-Z91 SN: 103244 DG-Apr-16 (No. 217-02288) Aph-17 Power sensor NRP-Z91 SN: 103245 05-Apr-16 (No. 217-02289) Api-17 Reference 20 dB Attenuator SN 5058 (20k) 05-Apr-18 (No 217-02292) Api-17 SN: 5047.2705327 05-Apr-16 (No. 217-02295) Apr-17 Type-N mismatch combination Probe ER3DV6 SN: 2336 30-Dec-16 (No. ER3-2336\_Dec16) Dep-17 Probe H3DV6 SN: 6065 30-Dec-16 (No. H3-6065\_Dec16) Dec-17 DAE4 SN: 781 02-Sep-16 (No. DAE4-781 Sep16) Sep-17 Secondary Standards ID # Scheduled Check Check Date (In house) Power moter Agilent 44198 SN: GB42420191 09-Oct-09 (in house check Sep-14) In house check: Oct-17 Power sensor HP E4412A SN-US30485102 05-Jan-10 (in house check Sep-14) In house check: Oct-17 SN: US37296597 Power sensor HP 8482A 69-Oct-09 (in house check Sep-14) In house check: Oct-17 RF generator R&S SMT-06 SN: 832283/011 27-Aug-12 (in house check Oci-15) In house check: Oct-17 Network Analyzer HP 6753E SN: US37390585 18-Oct-01 (in house check Oct-16) In house check: Oct-17 Signature Function Name Calibrated by: Johannes Kurikka Laboratory Technician -la Katja Pokovic Fectroical Manager Approved by: Issued; March 20, 2017 This dailbration certificate shall not be reproduced except in full without written approval of the laboratory.

Certificate No: CD1890V3-1044\_Mar17 Page 1 of 5

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Calibration Laboratory of Schmid & Partner Engineering AG Zeughausstrasse 43, 5004 Zurich, Switzerrand



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Accremited by the Swise Accremitation Senate (SAS) The Swise Accreditation Service is one of the signatories to the EA Multilateral Agreement for the recognition of calibration certificates

### References

[1]

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 formal to the other axis. 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 is power is adjusted to the same level.
- Anterina 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 foor. 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 Tast Arch phantom, that its arms are periodicity in a time. It is installed on the HAC dipole positioner with its arms parallel below the detective reference wire and able to move classically in vertical direction without changing its relative position to the top center of the Tast Arch phantom. The vertical distance to the probe is adjusted after the position to the top center of the Tast Arch phantom. The vertical distance to the probe is adjusted after tipele mounting with a DASYS surface Check job. Before the measurement, the distance between phantom surface and probe to the sveliced. 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 diptele) and the matching gind reference point (upper levice) considering the probe sensor offset. The vertical distance to the probe is essential for the accurrecy.
- Fault Point Impedance and Return Loss: These parameters are measured using a HP 8753E 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 ER3D-field probe with 100 mW torward power to the antenna leed 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 mittal top of the clipole arms. Assuming the dipole arms are available near the end of the dipole arms. Assuming the dipole arms are available near the end of the dipole arms. Assuming the dipole arms are participly 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 imported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the overage factor k=2, which for a normal distribution corresponde to a coverage probability of approximately 95%.

Certineate No: CD1860V3-1044\_Mar17

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Page 2 of 5

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### Measurement Conditions

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

DASY Version	DASY5	V52.8.8
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	92.0 V/m = 39.28 dBV/m
Maximum measured above low end	100 mW input power	89.9 V/m = 39.08 dBV/m
Averaged maximum above arm	100 mW input power	91.0 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	54.7 Ω + 5.2 jΩ
1880 MHz	20.0 dB	58.9 Ω + 6.3 jΩ
1900 MHz	20.3 dB	60.3 Ω + 2.6 jΩ
1950 MHz	26.7 dB	53.2 Ω - 3.5 jΩ
2000 MHz	21.7 dB	46.1 Ω + 6.9 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: CD1880V3-1044\_Mar17

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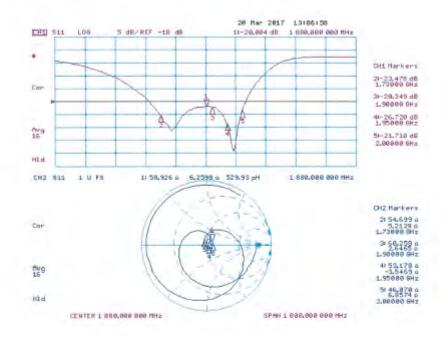
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Report No. : E5/2017/80025 Page : 138 of 144



### Impedance Measurement Plot



Certificate No: CD1880V3-1044\_Mar17

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### **DASY5 E-field Result**

Test Laboratory: SPEAG Lab2

Date: 17.03.2017

# DUT: HAC Dipole 1880 MHz; Type: CD1880V3; Serial: CD1880V3 - SN: 1044

Communication System: UID 0 - CW ; Frequency: 1880 MHz Medium parameters used:  $\sigma$  = 0 S/m,  $\epsilon_r$  = 1; p = 1000 kg/m^3

Phantom section: RF Section

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

DASY52 Configuration:

- Probe: ER3DV6 5N2336; ConvF(1, 1, 1); Calibrated: 30.12.2016;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 02.09,2016
   Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 162.5 V/m; Power Drift = -0.03 dB

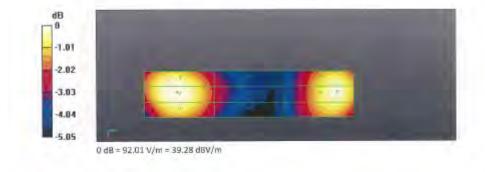
Applied MIF = 0.00 dB

RF audio interference level = 39.28 dBV/m

Emission category: M2

MIF scaled E-field

	Grid 2 M2 39.28 dBV/m	Grid 3 M2 39.21 dBV/m
	Grid 5 MZ 37.07 dBV/m	Grid 5 M2 36.98 dBV/m
Grid 7 M2 38.8 dBV/m	Grid 8 M2 39.08 dBV/m	Grid 9 MZ 39.01 dBV/m



Contificate No: CD1880V3-1044\_Mar17

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Genificate No: CD260(V3-1010\_Nov16 Page 1 #15

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### Report No. : E5/2017/80025 Page : 141 of 144

Celibration Laboratory of Schmid & Pattner Engineering AG Zeoghecensus 43, 804 Zurich, Switzer



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ometitation No.: SCS 0108

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#### References

(1) ANS C63 19-2011

American National Standard, Mathods of Measurement of Compatibility between Workess Communicatione Devices and Hearing Alds.

### Methods Applied and Interpretation of Parameters:

- Coordinate System: y-axis is in the direction of the dipula artis: a tasks is from the basis of the antennal (manifed on the table) towards its feed point between the two dipole arms, was is in roumal to the other axis in concidence with the atmidents [1], the measurement planes (probe sensor center) are selected to be at a distance of 15 mm above (be too metal edge of the cigate arms.
- Mnacurement Combiners: Further defails are available from the harduopies at the send of the contribute. An fourtes stated in the certificate are valid at the frequency indicated. The forward power to the dipole connected is set with a catalogies 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 physition using the matching lapole positioner with the atms brousonal and the teering cable coming from the libor. The measurements are performed in a shallded room with absorbers around the statup to requese the reflections. In its worked tarkets the mounting of the dipole under the Test Arch pharlom, that its arms are perfectly in a time. It is installed on the HAC dipole positioner with its arms prefiel before the dipole concerner with and the term with a dipole tarket the move disalight or reducing the dipole product and the term with the arms prefield before the move final concerner with indipole move disalights relative positions. It is now a disalight to relate a dipole to the HAC dipole positioner with its arms prefield before the reducting of the dipole term with the arms are perfectly in a time. It is installed on the HAC dipole positioner with its arms prefield before the reducting of the dipole term and the term with order and probe the reduction of the HAC dipole positions. The vertical distance to the probe is not active position to the HAC dipole position to the term and the state and probe tips verified. The perper measurement distance to the probe between phartom sufface and probe tips verified. The perper measurement distance point (upper surface of the tips) and the matching grid reference point (tips at the phartom phartom terms) distance to the probe terms point (upper surface of the tips) and the matching grid reference point (tips at the phartom terms) and the matching grid reference point (tips at the phartom terms) and the matching grid reference point (tips at the phartom terms) are the phartom to the rest at the distance to the probe terms and probe terms and probe terms and probe terms and the matching grid reference point (tips at the phartom terms) are the phartom terms at the distance terms and the matching grid reference pairs (tips at the distance) of the tips at the phartom terms at the distance point (tips at th
- Feed Point invitedance and Hattam Loss: These parameters are measured uning a HP 8753E Vactor Network. Analyzer: The impedance is specified at the SMA connector of the dipole. The influence of reflections was allocating by applying the averaging function while moving the dipole in the air, at least 70cm away from any obstacles.
- E-field distribution: E-hard is maintained in the x-y-plane with an isotropic EPOD-field probe with 100 mW forward power to the amount lead port. If accordance with (1), the scan area is 20mm wide, its length exceeds the dipole arm length (160 or 90mm). The sense center is 15 mm (in z) above the metaning of the dipole arms. Two 3D makima are available near the and of the dipole arms. Assuming the dipole arms are periodicity in one line (in available near the indi of the dipole arms. Assuming the dipole arms are periodicity in one line (in available near the indi of the dipole arms. Assuming the dipole arms are periodicity in one line (in a single of these two maxime in subgrid 2 and subgrid 8) is differentiated to compensate for phy non-parallelity to the measurement plane as well as the sense diplacament. The E-field value stated as asthration value represents the maximum of the interpolated 3D-E field, in the plane above the dipole subtrace.

The reported uncontainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor x=2, which for a normal distribution corresponds to a coverage probability of approximately ec-

Certificate No. CD0600V3-1010\_Nov10

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### Measurement Conditions

DASY Version	DASY5	V52.0.B
Phantom	HAC Test Aich	1
Distance Dipole Top - Probe Center	. 12:0°00	
Scen resolution	ds. dy = 5 mm	
Frequency	2600 MHz + 1 MHz	
Input power drift	-e 0.05 dB	

#### Maximum Field values at 2500 MHz

E-field 15 mm above dipole surface	condition	interpolated maximum
Maxmum measured above high and	100 mW input power	#3.6 V/m = 38.45 dBV/m
Maximum measured above low end	TOO NWW Input power	82.9 V/m = 38.37 dBV/m
Averaged maximum above arm	100 mW input power	63.3 V/m ± 12.8 % (k=2)

Appendix (Additional assessments outside the scope of SCS 0108)

### Antenna Parameters

Frequency	Return Loss	Impedance
2450 MHz	24.7 dB	45,437-31/0
2550 MHz	32,0 dB	51.851 + 1.8 (2
2000 MHz	26.6 dĤ	54.7 (1 - 0.0 jk)
2650 MHz	26.5 dfl	53,3 (1 - 3 6 (i)
2750 MHz	16.6.08	45.9 (7 - 10.3 (12

### 3.2 Antenna Design and Handling

The calibration dipole hits a sympatric geometry with a liulit-in two stub metching retwork, which leads to the

annanced bandwidth The dipole is built of standard samingid coastal cable. The internal matching line is open anded. The antonina is internal to reach for INC contain.

The space of paint for DC signals. Do not apply force to dipute sime, as they are lable to bend. The sorderod connactions near the testipoint may be damaged. After excessive mechanical stress or overheating, check the impedance characteristics to ensure that the intermal matching network is not affected.

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

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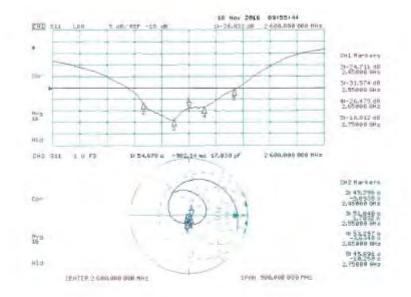
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### Impedance Measurement Plot



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### DASY5 E-field Result

Date: 17.11.2016

Test Laboratory: SPEAU Lab2 DUT; IIAC Dipole 2000 MID; Type: CD2600V3; Serial: CD2600V3 - SN: 1010 Communication System: UID 0 - CW : Programcy 2600 MHz Medium parameters used: o = 0.5/m, n = 1; p = 1000 kg/m<sup>2</sup>

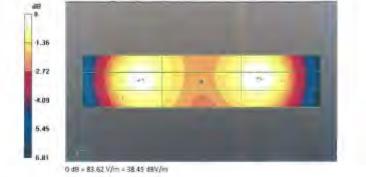
Plantum section: RF Section Measurement Standard: DASYS (JEEE/JEEC/ANS) C63.19-2011) DASY52 Configuration

- Probe: EF3DV5 5N4013; Com+(1, 1, 1); Calibrated: 21.06.2016;
- Sensor Surface: (Fix Surface) Electronics: DAE4 Sn781: Calibrated: 02.09.2016 .
- Phantom: HACTest Arch with AMCC; Type: SD HAC P01 BA: Senat 1070
- DASYS2 52.8.8(1258); 5EMCAD x 14.6.10(7372)

Dipole E-Field measurement @ 2600MHz - with EF\_4013/E-Scan - 2600MHz d=15mm/Hearing Aid Compatibility Test (411181x1): Interpolated graf. dx=0.5000 mm. dy=0.5000 m Device Reference Peant, 0, 0, -6,3 mm Reference Value = 65.52 V/m. Power Drift = -0.111 dB

PMR nor calibrated. PMF = 1.000 is upplied. E-field emissions = 83.62 Vim Near-field category: M3 (AWF 0 dB)





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# End of 1<sup>st</sup> part of report

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製

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