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### **ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT**

#### INTENTIONAL RADIATOR CERTIFICATION TO

FCC PART 22 SUBPART H, PART 24 SUBPART E and PART 27 SUBPART B, C & SUBPART L, PART 90S AND INDUSTRY CANADA RSS-130, RSS-132, RSS-133, RSS-139, RSS-195 & RSS-199REQUIREMENT

OF

Acer Incorporated

Applicant: 3390 East Harmony Road Fort Collins, Colorado 80528 United States

**Product Name:** Notebook Computer

acer **Brand Name:** Model No.: N17Q10 Model Difference:

FCC ID: HLZL850GL IC: 1754F-L850GL **Report Number:** E2/2018/10012

**FCC Rule Part:** 2, 22H & 24E & 27B, C & L & 90S

N/A

RSS 130 Issue 1 Oct. 2013, RSS 132 Issue 3 Jan. 2013, RSS 133 Issue 6 Jan. 2013, RSS 139 Issue 3 Jul. 2015,

RSS 195 Issue 2 Apr. 2014, RSS 199 Issue 3 Dec. 2016

**Issue Date:** Feb. 23, 2018

Jan. 19, 2018 ~ Jan. 20, 2018 & Feb. 21, 2018 (Radiated) Date of Test:

Feb. 08, 2018 ~ Feb.09, 2018 (Conducted)

Date of EUT Received: Jan. 02, 2018

We hereby certify that:

IC Rule Part:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26-2015 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits.

The test results of this report relate only to the tested sample identified in this report.

Prepared By:

Allen Tsai / Engineer

Allen Trai

Approved By:

Jim Chang / Manager





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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# **Revision History**

Report Number	Revision	Description	Issue Date
E2/2018/10012	Rev.00	Initial creation of document	Feb. 23, 2018

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# 1. GENERAL PRODUCT INFORMATION

# 1.1. Product Description

#### General:

Octional.					
Product Name:	Notebook Computer				
Brand Name:	acer				
Model No.:	N17Q10				
Model Difference:	N/A				
Product SW/HW version:	N/A / N/A				
	7.7Vdc from Rechargeable Li-ion Battery or 5 / 12 / 20V from AC/DC Adapter				
Power Supply:	Battery:	Model No.: AP17A7J, Supplier: Simplo			
	Adapter: Model No.: PA-1450-80, Supplier: Lite-On				
IMEI:	863212030106113				

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# 1.2. WCDMA / LTE: Cellular Phone Standards Frequency Range

Operating Frequency (MHz	<u>z</u> )		
WCDMA / HSPA+ Band II	1852.4	-	1907.6
WCDMA//HSPA+ Band IV	1712.4	-	1752.6
WCDMA / HSPA+ Band V	826.4	-	846.6

LTE Band	BW (MHz)	Operation (N	n Fr ИНz		LTE Band	BW (MHz)		n Fre	equency
	1.4	1850.7	-	1909.3	_	5	706.5	-	713.5
	3	1851.5	-	1908.5	17	10	709.0	-	711.0
	5	1852.5	-	1907.5		1.4	824.7	-	848.3
2	10	1855.0	-	1905.0		3	825.5	-	847.5
	15	1857.5	-	1902.5	26	5	826.5	-	846.5
	20	1860.0	-	1900.0		10	829.0	-	844.0
	1.4	1710.7	-	1754.3	Ī	15	831.5	-	841.5
	3	1711.5	-	1753.5	26 Part90	1.4	814.7	-	823.3
4	5	1712.5	-	1752.5		3	815.5	-	822.5
4	10	1715.0	-	1780.0		5	816.5	-	821.5
	15	1717.5	-	1747.5		10		819.0	)
	20	1720.0	-	1745.0	30	5	2307.5	-	2312.5
	1.4	824.7	-	848.3	30	10	2	310.	0
5	3	825.5	-	847.5		5	2572.5	-	2617.5
3	5	826.5	-	846.5	38	10	2575.0	-	2615.0
	10	829.0	-	844.0	30	15	2577.5	-	2612.5
	5	2502.5	-	2567.5		20	2580.0	-	2610.0
7	10	2505.0	-	2565.0					
'	15	2507.5	-	2562.5					
	20	2510.0	-	2560.0					
	1.4	699.7	-	715.3					
12	3	700.5	-	714.5					
12	5	701.5	-	713.5					
	10	704.0	-	711.0					
13	5	779.5	-	784.5					
13	10		782						

LTE Band	BW (MHz)	Operation Frequency (MHz)		LTE Band	BW (MHz)	•	Operation Frequency (MHz)		
	5	2498.5	-	2687.5		1.4	1710.7	-	1779.3
41	10	2501.0	-	2685.0		3	1711.5	-	1778.5
41	15	2503.5	-	2682.5	66	5	1712.5	-	1777.5
	20	2506.0	-	2680.0	00	10	1715.0	-	1775.0
						15	1717.5	-	1772.5
						20	1720.0	-	1770.0

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# Type of Emission & Max ERP/EIRP Power Measurement Result::

	ERP / EIRP (dBm)		(W)	Type of Emission
WCDMA Band II	20.61	EIRP	0.115	4M07F9W
HSDPA Band II	20.66	EIRP	0.116	4M07F9W
HSUPA Band II	20.70	EIRP	0.117	4M07F9W
WCDMA Band IV	24.88	EIRP	0.308	4M06F9W
HSDPA Band IV	22.08	EIRP	0.161	4M06F9W
HSUPA Band IV	20.67	EIRP	0.117	4M07F9W
WCDMA Band V	26.40	ERP	0.437	4M07F9W
HSDPA Band V	20.15	ERP	0.104	4M07F9W
HSUPA Band V	19.61	ERP	0.091	4M07F9W

LTE Band	BW (MHz)	Modulation	ERP / (dB		(W)	Type of Emission
	1.4	QPSK	24.24	EIRP	0.265	1M11G7D
	1.4	16QAM	24.34	EIRP	0.272	1M12D7W
	3	QPSK	23.94	EIRP	0.248	2M74G7D
	3	16QAM	24.28	EIRP	0.268	2M73D7W
	5	QPSK	23.54	EIRP	0.226	4M54G7D
2	5	16QAM	24.06	EIRP	0.255	4M53D7W
	10	QPSK	23.60	EIRP	0.229	9M11G7D
	10	16QAM	21.74	EIRP	0.149	9M08D7W
	15	QPSK	23.50	EIRP	0.224	13M6G7D
	15	16QAM	23.83	EIRP	0.242	13M6D7W
	20	QPSK	23.47	EIRP	0.222	18M0G7D
	20	16QAM	23.89	EIRP	0.245	18M1D7W

LTE Band	BW (MHz)	Modulation		/EIRP 3m)	(W)	Type of Emission
	1.4	QPSK	25.40	EIRP	0.347	1M12G7D
	1.4	16QAM	25.61	EIRP	0.364	1M12D7W
	3	QPSK	25.07	EIRP	0.321	2M73G7D
	3	16QAM	25.67	EIRP	0.369	2M73D7W
	5	QPSK	27.67	EIRP	0.585	4M54G7D
4	5	16QAM	27.67	EIRP	0.585	4M53D7W
4	10	QPSK	27.22	EIRP	0.527	9M11G7D
	10	16QAM	27.40	EIRP	0.550	9M08D7W
	15	QPSK	27.35	EIRP	0.543	13M6G7D
	15	16QAM	26.93	EIRP	0.493	13M6D7W
	20	QPSK	27.54	EIRP	0.568	18M1G7D
	20	16QAM	27.79	EIRP	0.601	18M0D7W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
	1.4	QPSK	27.39	ERP	0.548	1M11G7D
	1.4	16QAM	27.73	ERP	0.593	1M12D7W
	3	QPSK	27.63	ERP	0.579	2M73G7D
5	3	16QAM	28.14	ERP	0.652	2M74D7W
3	5	QPSK	27.65	ERP	0.582	4M54G7D
	5	16QAM	28.26	ERP	0.670	4M53D7W
	10	QPSK	27.71	ERP	0.590	9M16G7D
	10	16QAM	28.19	ERP	0.659	9M15D7W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
	5	QPSK	24.00	ERP	0.251	4M55G7D
	5	16QAM	24.01	ERP	0.252	4M54D7W
	10	QPSK	23.73	ERP	0.236	9M10G7D
7	10	16QAM	24.26	ERP	0.267	9M10D7W
<b>'</b>	15	QPSK	23.34	ERP	0.216	13M6G7D
	15	16QAM	23.86	ERP	0.243	13M5D7W
	20	QPSK	24.12	ERP	0.258	18M1G7D
	20	16QAM	24.03	ERP	0.253	18M1D7W

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	DW		EDD	/ EIDD		т (
LTE	BW	Modulation		ERP / EIRP (dBm)		Type of
Band	(MHz)		•			Emission
	1.4	QPSK	23.41	ERP	0.219	1M11G7D
	1.4	16QAM	24.19	ERP	0.262	1M12D7W
	3	QPSK	23.63	ERP	0.231	2M74G7D
12	3	16QAM	24.10	ERP	0.257	2M73D7W
12	5	QPSK	23.48	ERP	0.223	4M52G7D
	5	16QAM	23.95	ERP	0.248	4M53D7W
	10	QPSK	24.09	ERP	0.256	9M16G7D
	10	16QAM	23.77	ERP	0.238	9M11D7W
	1.4	QPSK	27.36	ERP	0.545	1M11G7D
	1.4	16QAM	27.96	ERP	0.625	1M12D7W
	3	QPSK	27.42	ERP	0.552	2M73G7D
	3	16QAM	27.72	ERP	0.592	2M71D7W
26	5	QPSK	27.77	ERP	0.598	4M53G7D
20	5	16QAM	28.25	ERP	0.668	4M52D7W
	10	QPSK	30.66	ERP	1.164	9M12G7D
	10	16QAM	27.79	ERP	0.601	9M14D7W
	15	QPSK	27.45	ERP	0.556	13M5G7D
	15	16QAM	28.08	ERP	0.643	13M5D7W

LTE Band	BW (MHz)	Modulation		ERP / EIRP (dBm)		Type of Emission
2 616.	5	QPSK	26.68	ERP	0.466	4M53G7D
40	5	16QAM	26.17	ERP	0.414	4M53D7W
13	10	QPSK	24.09	ERP	0.256	9M06G7D
	10	16QAM	23.78	ERP	0.239	9M06D7W
	5	QPSK	24.48	ERP	0.281	4M53G7D
17	5	16QAM	25.15	ERP	0.327	4M54D7W
17	10	QPSK	24.59	ERP	0.288	9M07G7D
	10	16QAM	25.16	ERP	0.328	9M06D7W
	1.4	QPSK	26.81	ERP	0.480	1M11G7D
	1.4	16QAM	26.25	ERP	0.422	1M12D7W
	3	QPSK	26.48	ERP	0.445	2M73G7D
26	3	16QAM	26.59	ERP	0.456	2M73D7W
Part90	5	QPSK	26.61	ERP	0.458	4M52G7D
	5	16QAM	26.60	ERP	0.457	4M52D7W
	10	QPSK	26.79	ERP	0.478	9M13G7D
	10	16QAM	26.28	ERP	0.425	9M08D7W

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LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
	5	QPSK	24.38	EIRP	0.274	4M52G7D
30	5	16QAM	24.49	EIRP	0.281	4M52D7W
30	10	QPSK	23.96	EIRP	0.249	9M04G7D
	10	16QAM	22.92	EIRP	0.196	9M02D7W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
מומ	(1411 12)		,,	וווטג		
	5	QPSK	26.18	EIRP	0.415	4M53G7D
	5	16QAM	26.26	EIRP	0.423	4M52D7W
	10	QPSK	25.97	EIRP	0.395	9M03G7D
38	10	16QAM	26.52	EIRP	0.449	9M04D7W
30	15	QPSK	26.08	EIRP	0.406	13M5G7D
	15	16QAM	26.54	EIRP	0.451	13M5D7W
	20	QPSK	26.23	EIRP	0.420	18M0G7D
	20	16QAM	26.51	EIRP	0.448	18M0D7W

LTE Band	BW (MHz)	Modulation		/ EIRP 3m)	(W)	Type of Emission
	5	QPSK	26.43	EIRP	0.440	4M51G7D
	5	16QAM	26.69	EIRP	0.467	4M52D7W
	10	QPSK	26.45	EIRP	0.442	9M04G7D
41	10	16QAM	26.32	EIRP	0.429	9M09D7W
41	15	QPSK	26.93	EIRP	0.493	13M5G7D
	15	16QAM	27.35	EIRP	0.543	13M5D7W
	20	QPSK	27.17	EIRP	0.521	18M0G7D
	20	16QAM	27.65	EIRP	0.582	18M0D7W

LTE Band	BW (MHz)	Modulation	ERP / EIRP (dBm)		(W)	Type of Emission
	1.4	QPSK	25.42	EIRP	0.348	1M12G7D
	1.4	16QAM	24.78	EIRP	0.301	1M11D7W
	3	QPSK	25.49	EIRP	0.354	2M73G7D
	3	16QAM	24.89	EIRP	0.308	2M72D7W
	5	QPSK	24.82	EIRP	0.303	4M52G7D
66	5	16QAM	24.18	EIRP	0.262	4M52D7W
00	10	QPSK	23.78	EIRP	0.239	9M05G7D
	10	16QAM	24.19	EIRP	0.262	9M08D7W
	15	QPSK	22.95	EIRP	0.197	13M5G7D
	15	16QAM	23.19	EIRP	0.208	13M5D7W
	20	QPSK	22.09	EIRP	0.162	18M0G7D
	20	16QAM	23.30	EIRP	0.214	18M0D7W

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# 1.3. Test Methodology of Applied Standards

CC 47 CFR Part 2, 22, 24, 27, Part 90S.

ANSI C63.26-2015

KDB971168 D01 Power Meas license Digital System v03

KDB941225 D01 SAR test for 3G devices v03r01 (SAR Measurement Procedures for 3G Devices, WCDMA / HSPA) was used for EUT and Base station setting.

TS 151 010-1 is used to set, and measure the output power.

RSS Gen Issue 4 Nov. 2015

RSS-130-issue 1 Oct. 2013, RSS-132 Issue 3 Jan. 2013,

RSS-133 Issue 6 Jan. 2013, RSS-139 Issue 3 Jul. 2015,

RSS-195 Issue 2 Apr. 2014. RSS-199 Issue 3 Dec. 2016

Note: All test items have been performed and record as per the above standards.

# 1.4. Test Facility

SGS Taiwan Ltd. Electronics & Communication Laboratory No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333 code 0513)

FCC Registration Numbers are: 735305 / TW 0002

IC Registration Number is: 4620A-5

### 1.5. Special Accessories

No special accessories were used during testing.

### 1.6. Equipment Modifications

There were no modifications incorporated into the EUT.

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### 2. SYSTEM TEST CONFIGURATION

# 2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

#### 2.2. EUT Exercise

The EUT (Transmitter) was operated in the continuous transmission mode employed with the simulator of the Base Station that fixates at test default channels to fix the Tx frequency which was for the purpose of the measurements.

### 2.3. Test Procedure

#### 2.3.1 Conducted Measurement at Antenna Port

According to measurement procured ANSI C63.26-2015, the EUT is placed on a turn table which is 0.8 m above ground plane. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

# 2.3.2 Radiated Emissions (ERP/EIRP)

According to measurement procured ANSI C63.26-2015, The EUT is a placed on as turn table, for emission measurements below 1 GHz is 0.8 m above ground plane, for emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna according to the requirements in Section 8 and 13.

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# 2.4. Measurement Results Explanation Example

#### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.

#### Note:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Following shows an offset computation in physical test.

	RF cable loss (dB)	Attenuation factor(dB)	offset(dB)
Low Band (Below 1GHz)	3.6	10	13.6
High Band (Above 1 GHz)	3.9	10	13.9

## 2.5. Final Amplifier Voltage and Current Information:

Test Mode	DC voltage (V)	DC current (mA)
WCDMA B2		0.541
WCDMA B4		0.536
WCDMA B5		0.536
LTE Band 2		0.753
LTE Band 4		0.872
LTE Band 5		0.720
LTE Band 7		0.862
LTE Band 12	7.7	0.692
LTE Band 13	] '.'	0.741
LTE Band 17		0.684
LTE Band 26		0.701
LTE Band 26 (Part 90S)		0.711
LTE Band 30		0.852
LTE Band 38		0.861
LTE Band 41		0.872
LTE Band 66		0.888

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# 2.6. Configuration of Tested System

Fig. 2-1 Configuration of Tested System (Fixed Channel-Conducted)

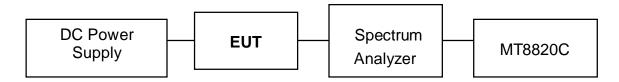


Fig. 2-2 Configuration of Tested System (Fixed Channel-Radiated)

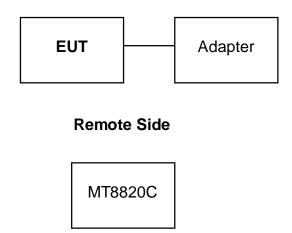


Table 2-1 Equipment Used in

Item	Equipment	Mfr/Brand	Model/ Type No.	Series No.	Data Cable	Power Cord
1.	Universal Radio Communication Tester	Anritsu	MT8820C	6200307563	shielded	Un-shielded

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# 3. SUMMARY OF TEST RESULTS

FCC Rules	IC Rules	Description Of Test	Result
§2.1046(a)	N/A	RF Power Output	Compliant
§2.1046(a) §22.913(a)(5) §24.232(c) §27.50(c)(10) §27.50(d)(4) §27.50(h)(2) §90.635	§4.8 (RSS-Gen Issue 4) §4.4 (RSS-130) §5.4 (RSS-132) §6.4 (RSS-133) §6.5 (RSS-139) §5.5 (RSS-195) §4.4 (RSS-199)	ERP/ EIRP measurement	Compliant
§2.1049(h)	§4.6.1 (RSS-Gen Issue 4) §4.6 (RSS-130) §2.3 (RSS-133) §2.3 (RSS-139) §4.2 (RSS-199)	99% & 26dB Occuupied Bandwidth	Compliant
\$2.1051 \$22.917(a) \$24.238(a) \$27.53(g) \$27.50(c)(5) \$27.53(h) \$27.53(m)(4)(6) \$90.691	§4.9 (RSS-Gen Issue 4) §4.6 (RSS-130) §5.5 (RSS-132) §6.5 (RSS-133) §6.5 (RSS-139) §5.6.2 (RSS-195) §4.5 (RSS-199)	Out of Band Emissions at Antenna Terminals and Band Edge / Emission mask requirements	Compliant
§2.1053 §22.917(a) §24.238(a) §27.53(c)(2),(4) §27.50(c)(5) §27.53(f) §27.53(g) §27.53(h) §27.53(m)(4) §90.691(a)(1)(2)	§4.9 (RSS-Gen Issue 4) §4.6 (RSS-130) §5.5 (RSS-132) §6.5 (RSS-133) §6.6 (RSS-139) §5.6.2 (RSS-195) §4.5 (RSS-199)	Field Strength of Spurious Radiation	Compliant
§24.232(d) §27.53(d) (5) §27.50(i) (B)	§4.4 (RSS-130) §5.4 (RSS-132) §6.4 (RSS-133) §6.5 (RSS-139) §5.5.1 (RSS-195)	Peak to Average Ratio	Compliant
§27.53(f)	§4.6 (RSS-130)	Spurious emission in 1559 -1610MHz Band	Compliant

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### 4. DESCRIPTION OF TEST MODES

### 4.1. The Worst Test Modes and Channel Details

- 1. The EUT has been tested under operating condition.
- 2. Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, X(E1)Y(E2)Z(H) axis and antenna ports. The worst case was found as listed below. Following channel(s) was (were) selected for the final test as listed below:

BAND	ERP/EIRP	RADIATED EMISSION
WCDMA/HSPA Band II	H-plan	H-plan
WCDMA/HSPA Band IV	H-plan	H-plan
WCDMA/HSPA Band V	H-plan	H-plan
LTE Band 2	H-plan	H-plan
LTE Band 4	H-plan	H-plan
LTE Band 5	H-plan	H-plan
LTE Band 7	H-plan	H-plan
LTE Band 12	H-plan	H-plan
LTE Band 13	H-plan	H-plan
LTE Band 17	H-plan	H-plan
LTE Band 26	H-plan	H-plan
LTE Band 26 (Part 90S)	H-plan	H-plan
LTE Band 30	H-plan	H-plan
LTE Bnad 38	H-plan	H-plan
LTE Band 41	H-plan	H-plan
LTE Band 66	H-plan	H-plan

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#### WCDMA/HSPA MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
ERP	4132 to 4233	4132, 4183, 4233	WCDMA/HSPA Band V
EIRP	9262 to 9538 1312 to 1513	9262, 9400, 9583 1312, 1413, 1513	WCDMA/HSPA Band II WCDMA/HSPA Band IV
FREQUENCY STABILITY	4132 to 4233 1312 to 1513 9262 to 9538	4183 1413 9400	WCDMA Band II WCDMA Band IV WCDMA Band V
OCCUPIED BANDWIDTH	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	WCDMA/HSPA Band II WCDMA/HSPA Band IV WCDMA/HSPA Band V
PEAK TO AVERAGE RATIO	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	WCDMA/HSPA Band II WCDMA/HSPA Band IV WCDMA/HSPA Band V
BAND EDGE	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4233 1312, 1513 9262, 9583	WCDMA Band II WCDMA Band IV WCDMA Band V
CONDCUDETED EMISSION	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	WCDMA Band II WCDMA Band IV WCDMA Band V
RADIATED EMISSION	4132 to 4233 1312 to 1513 9262 to 9538	4132, 4183, 4233 1312, 1413, 1513 9262, 9400, 9583	HSUPA Band II WCDMA Band IV WCDMA Band V

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### LTE Band 2 MODE

TEST ITEM AVAILABLE TESTED CHANNEL MODULATION MODE						
TEST ITEM	AVAILABLE CHANNEL	CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE	
	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest	
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest	
EIRP	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest	
LINF	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest	
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest	
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest	
FREQUENCY STABILITY	18650 to 19150	18900	10MHz	QPSK	Full RB	
	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK, 16QAM	Full RB	
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK, 16QAM	Full RB	
OCCUPIED BAND-	18625 to 19175	18625, 18900, 19175	5MHz	QPSK, 16QAM	Full RB	
WIDTH	18650 to 19150	18650, 18900, 19150	10MHz	QPSK, 16QAM	Full RB	
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK, 16QAM	Full RB	
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK, 16QAM	Full RB	
	18607 to 19193	18607, 18900, 19193	1.4MHz	16QAM	Full RB	
	18615 to 19185	18615, 18900, 19185	3MHz	16QAM	Full RB	
PEAK TO AVERAGE	18625 to 19175	18625, 18900, 19175	5MHz	16QAM	Full RB	
RATIO	18650 to 19150	18650, 18900, 19150	10MHz	16QAM	Full RB	
	18675 to 19125	18675, 18900, 19125	15MHz	16QAM	Full RB	
	18700 to 19100	18700, 18900, 19100	20MHz	16QAM	Full RB	
	18607 to 19193	18607, 19193	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB	
	18615 to 19185	18615, 19185	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB	
BAND EDGE	18625 to 19175	18625, 19175	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB	
2 2 2 3 2	18650 to 19150	18650, 19150	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB	
	18675 to 19125	18675, 19125	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB	
	18700 to 19100	18700, 19100	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB	
	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK	1 RB, 0 RB Offest	
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK	1 RB, 0 RB Offest	
CONDCUDETED	18625 to 19175	18625, 18900, 19175	5MHz	QPSK	1 RB, 0 RB Offest	
EMISSION	18650 to 19150	18650, 18900, 19150	10MHz	QPSK	1 RB, 0 RB Offest	
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK	1 RB, 0 RB Offest	
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK	1 RB, 0 RB Offest	
RADIATED EMISSION	18607 to 19193	18607, 18900, 19193	1.4MHz	16QAM	1 RB, 5 RB Offest	

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#### LTE Band 4 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
EIRP	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
EIRP	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20000 to 20350	20175	10MHz	QPSK	Full RB
	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK, 16QAM	Full RB
OCCUPIED BAND-	19965 to 22385	19965, 20175, 22385	3MHz	QPSK, 16QAM	Full RB
OCCUPIED BAND-	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	Full RB
WIDTH	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	Full RB
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	Full RB
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	Full RB
	19957 to 19393	19957, 20175, 19393	1.4MHz	16QAM	Full RB
	19965 to 22385	19965, 20175, 22385	3MHz	16QAM	Full RB
PEAK TO AVERAGE	19975 to 20375	19975, 20175, 20375	5MHz	16QAM	Full RB
RATIO	20000 to 20350	20000, 20175, 20350	10MHz	16QAM	Full RB
	20025 to 20325	20025, 20175, 20325	15MHz	16QAM	Full RB
	20050 to 20300	20050, 20175, 20300	20MHz	16QAM	Full RB
	19957 to 19393	19957, 19393	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	19965 to 22385	19965, 22385	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
	19975 to 20375	19975, 20375	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
BAND EDGE	20000 to 20350	20000, 20350	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	20025 to 20325	20025, 20325	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	20050 to 20300	20050, 20300	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
	19957 to 19393	19957, 20175, 19393	1.4MHz	QPSK	1 RB, 0 RB Offest
	19965 to 22385	19965, 20175, 22385	3MHz	QPSK	1 RB, 0 RB Offest
CONDCUDETED	19975 to 20375	19975, 20175, 20375	5MHz	QPSK	1 RB, 0 RB Offest
EMISSION	20000 to 20350	20000, 20175, 20350	10MHz	QPSK	1 RB, 0 RB Offest
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK	1 RB, 0 RB Offest
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	20050 to 20300	20050, 20175, 20300	20MHz	16QAM	1 RB, 0 RB Offest

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# LTE Band 5 MODE

	AVAILABLE	TESTED	CHANNEL		
TEST ITEM	CHANNEL	CHANNEL	BANDWIDTH	MODULATION	MODE
	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
ERP	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
ENF	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	20450 to 20600	20525	10MHz	QPSK	Full RB
	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK, 16QAM	Full RB
OCCUPIED BAND-	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM	Full RB
WIDTH	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM	Full RB
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	Full RB
	20470 to 20643	20470, 20525, 20643	1.4MHz	16QAM	Full RB
PEAK TO AVERAGE	20415 to 20635	20415, 20525, 20635	3MHz	16QAM	Full RB
RATIO	20425 to 20625	20425, 20525, 20625	5MHz	16QAM	Full RB
	20450 to 20600	20450, 20525, 20600	10MHz	16QAM	Full RB
	20470 to 20643	20470, 20643	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
DAND EDGE	20415 to 20635	20415, 20635	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
BAND EDGE	20425 to 20625	20425, 20625	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	20450 to 20600	20450, 20600	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	20470 to 20643	20470, 20525, 20643	1.4MHz	QPSK	1 RB, 0 RB Offest
CONDCUDETED	20415 to 20635	20415, 20525, 20635	3MHz	QPSK	1 RB, 0 RB Offest
EMISSION	20425 to 20625	20425, 20525, 20625	5MHz	QPSK	1 RB, 0 RB Offest
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	20425 to 20625	20425, 20525, 20625	5MHz	16QAM	1 RB, 0 RB Offest

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### LTE Band 7 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED Channel	CHANNEL BANDWIDTH	MODULATION	MODE
	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
EIRP	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
EIRP	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	20800 to 21400	21100	10MHz	QPSK	Full RB
	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	Full RB
OCCUPIED BAND-	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	Full RB
WIDTH	20850 to 21375	20850, 21100, 21375	15MHz	QPSK, 16QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	Full RB
	20775 to 21425	20775, 21100, 21425	5MHz	16QAM	Full RB
PEAK TO AVERAGE	20800 to 21400	20800, 21100, 21400	10MHz	16QAM	Full RB
RATIO	20850 to 21375	20850, 21100, 21375	15MHz	16QAM	Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	16QAM	Full RB
	20775 to 21425	20775, 21100, 21425	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
BAND EDGE	20800 to 21400	20800, 21100, 21400	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
BAND EDGE	20850 to 21375	20850, 21100, 21375	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
	20775 to 21425	20775, 21100, 21425	5MHz	QPSK	1 RB, 0 RB Offest
CONDCUDETED	20800 to 21400	20800, 21100, 21400	10MHz	QPSK	1 RB, 0 RB Offest
EMISSION	20850 to 21375	20850, 21100, 21375	15MHz	QPSK	1 RB, 0 RB Offest
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	20800 to 21400	20800, 21100, 21400	10MHz	16QAM	1 RB, 49 RB Offest
	20775 to 21425	20775, 21100, 21425	5MHz	QPSK	1 RB/ 0,24 RB Offest 25 RB/ 0 Offset
EMICOLONI MACK	20800 to 21400	20800, 21100, 21400	10MHz	QPSK	1 RB/ 0,49 RB Offest 50 RB/ 0 Offset
EMISSION MASK	20850 to 21375	20850, 21100, 21375	15MHz	QPSK	1 RB/ 0,74 RB Offest 75 RB/ 0 Offset
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK	1 RB/ 0,99 RB Offest 100 RB/ 0 Offset

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#### LTE Band 12 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
EDD	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
ERP	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23060 to 23130	23095	10MHz	QPSK	Full RB
	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK, 16QAM	Full RB
OCCUPIED	23025 to 23165	23025, 23095, 23165	3MHz	QPSK, 16QAM	Full RB
BANDWIDTH	23035 to 23155	23035, 23095, 23155	5MHz	QPSK, 16QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK, 16QAM	Full RB
	23017 to 23173	23017, 23095, 23173	1.4MHz	16QAM	Full RB
PEAK TO AVER-	23025 to 23165	23025, 23095, 23165	3MHz	16QAM	Full RB
AGE RATIO	23035 to 23155	23035, 23095, 23155	5MHz	16QAM	Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	16QAM	Full RB
	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	23025 to 23165	23025, 23095, 23165	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
BAND EDGE	23035 to 23155	23035, 23095, 23155	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	23017 to 23173	23017, 23095, 23173	1.4MHz	QPSK	1 RB, 0 RB Offest
CONDCUDETED	23025 to 23165	23025, 23095, 23165	3MHz	QPSK	1 RB, 0 RB Offest
<b>EMISSION</b>	23035 to 23155	23035, 23095, 23155	5MHz	QPSK	1 RB, 0 RB Offest
	23060 to 23130	23060, 23095, 23130	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	23017 to 23173	23017, 23095, 23173	1.4MHz	16QAM	1 RB, 5 RB Offest

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#### LTE Band 13 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	23205 to 23255	23205, 23230, 23255	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
LIM	23230	23230	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23230	23230	10MHz	QPSK	Full RB
OCCUPIED BAND-	23205 to 23255	23205, 23230, 23255	5MHz	QPSK, 16QAM	Full RB
WIDTH	23230	23230	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE	23205 to 23255	23205, 23230, 23255	5MHz	16QAM	Full RB
RATIO	23230	23230	10MHz	16QAM	Full RB
BAND EDGE	23205 to 23255	23205, 23255	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
DANU EUGE	23230	23230	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
CONDCUDETED	23205 to 23255	23205, 23230, 23255	5MHz	QPSK	1 RB, 0 RB Offest
EMISSION	23230	23230	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	23205 to 23255	23205, 23230, 23255	5MHz	QPSK	1 RB/ 0 RB Offest

#### LTF Band 17 MODE

LIE Band 17 I	NODE				
TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
LINE	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	23780 to 23800	23790	10MHz	QPSK	Full RB
OCCUPIED BAND-	23755 to 23825	23755, 23790, 23825	5MHz	QPSK, 16QAM	Full RB
WIDTH	23780 to 23800	23780, 23790, 23800	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE	23755 to 23825	23755, 23790, 23825	5MHz	16QAM	Full RB
RATIO	23780 to 23800	23780, 23790, 23800	10MHz	16QAM	Full RB
BAND EDGE	23755 to 23825	23755, 23825	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
DAND LDGL	23780 to 23800	23780, 23800	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
CONDCUDETED	23755 to 23825	23755, 23790, 23825	5MHz	QPSK	1 RB, 0 RB Offest
EMISSION	23780 to 23800	23780, 23790, 23800	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	23780 to 23800	23780, 23790, 23800	10MHz	16QAM	1 RB/ 49 RB Offest

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#### LTE Band 26 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
ERP	26815 to 27015	26815, 26915, 27015	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
FREQUENCY STABILITY	26865 to 26965	26915	15MHz	QPSK	Full RB
	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK, 16QAM	Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK, 16QAM	Full RB
OCCUPIED BAND- WIDTH	26815 to 27015	26815, 26915, 27015	5MHz	QPSK, 16QAM	Full RB
NIDI H	26840 to 26990	26840, 26915, 26990	10MHz	QPSK, 16QAM	Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK, 16QAM	Full RB
	26797 to 27033	26797, 26915, 27033	1.4MHz	16QAM	Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	16QAM	Full RB
PEAK TO AVERAGE RATIO	26815 to 27015	26815, 26915, 27015	5MHz	16QAM	Full RB
RATIO	26840 to 26990	26840, 26915, 26990	10MHz	16QAM	Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	16QAM	Full RB
	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	26805 to 27025	26805, 26915, 27025	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
BAND EDGE	26815 to 27015	26815, 26915, 27015	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	26840 to 26990	26840, 26915, 26990	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK	1 RB/ 0,74 RB Offest
	26797 to 27033	26797, 26915, 27033	1.4MHz	QPSK	1 RB, 0 RB Offest
CONDOUDETED	26805 to 27025	26805, 26915, 27025	3MHz	QPSK	1 RB, 0 RB Offest
CONDCUDETED	26815 to 27015	26815, 26915, 27015	5MHz	QPSK	1 RB, 0 RB Offest
EMISSION	26840 to 26990	26840, 26915, 26990	10MHz	QPSK	1 RB, 0 RB Offest
	26865 to 26965	26865, 26915, 26965	15MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	26840 to 26990	26840, 26915, 26990	10MHz	QPSK	1 RB, 0 RB Offest

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#### LTE Band 26 for 90S MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED Channel	CHANNEL BANDWIDTH	MODULATION	MODE
	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
ERP	26705 to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
ERF	26715 to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	26740	26740	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	26697 to 26783	26740	1.4MHz	QPSK	Full RB
	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK, 16QAM	Full RB
OCCUPIED BAND-	26705 to 26775	26705, 26740, 26775	3MHz	QPSK, 16QAM	Full RB
WIDTH	26715 to 26765	26715, 26740, 26765	5MHz	QPSK, 16QAM	Full RB
	26740	26740	10MHz	QPSK, 16QAM	Full RB
	26697 to 26783	26697, 26740, 26783	1.4MHz	16QAM	Full RB
PEAK TO AVERAGE	26705 to 26775	26705, 26740, 26775	3MHz	16QAM	Full RB
RATIO	26715 to 26765	26715, 26740, 26765	5MHz	16QAM	Full RB
	26740	26740	10MHz	16QAM	Full RB
	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	26705 to 26775	26705, 26740, 26775	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
BAND EDGE	26715 to 26765	26715, 26740, 26765	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
	26740	26740	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK	1 RB, 0 RB Offest
CONDCUDETED	26705 to 26775	26705, 26740, 26775	3MHz	QPSK	1 RB, 0 RB Offest
EMISSION	26715 to 26765	26715, 26740, 26765	5MHz	QPSK	1 RB, 0 RB Offest
	26740	26740	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	26697 to 26783	26697, 26740, 26783	1.4MHz	QPSK	1 RB, 0 RB Offest

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### LTE Band 30 MODE

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TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
ERP	27685 to 27735	27685, 27710, 27735	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
ERF	27710	27710	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
FREQUENCY STABILITY	27710	27710	10MHz	QPSK	Full RB
OCCUPIED BAND-	27685 to 27735	27685, 27710, 27735	5MHz	QPSK, 16QAM	Full RB
WIDTH	27710	27710	10MHz	QPSK, 16QAM	Full RB
PEAK TO AVERAGE	27685 to 27735	27685, 27710, 27735	5MHz	16QAM	Full RB
RATIO	27710	27710	10MHz	16QAM	Full RB
BAND EDGE	27685 to 27735	27685, 27710, 27735	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
DANU EUGE	27710	27710	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
CONDCUDETED	27685 to 27735	27685, 27710, 27735	5MHz	QPSK	1 RB, 0 RB Offest
EMISSION	27710	27710	10MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	27685 to 27735	27685, 27710, 27735	5MHz	16QAM	1 RB/ 0 RB Offest

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### LTE Band 38 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
EIRP	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
LIKF	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK	Full RB
	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM	Full RB
OCCUPIED BAND-	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK, 16QAM	Full RB
WIDTH	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK, 16QAM	Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK, 16QAM	Full RB
	37775 to 38225	37775, 38000, 38225	5MHz	16QAM	Full RB
PEAK TO AVERAGE	37800 to 38200	37800 , 38000, 38200	10MHz	16QAM	Full RB
RATIO	37825 to 38175	37825 , 38000, 38175	15MHz	16QAM	Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	16QAM	Full RB
	37775 to 38225	37775, 38000, 38225	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
BAND EDGE	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
BAND EDGE	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
	37775 to 38225	37775, 38000, 38225	5MHz	QPSK	1 RB, 0 RB Offest
CONDCUDETED	37800 to 38200	37800 , 38000, 38200	10MHz	QPSK	1 RB, 0 RB Offest
EMISSION	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK	1 RB, 0 RB Offest
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	37825 to 38175	37825 , 38000, 38175	15MHz	16QAM	1 RB, 74 RB Offest
	37775 to 38225	37775, 38000, 38225	5MHz	QPSK	1 RB/ 0,24 RB Offest 25 RB/ 0 Offset
EMISSION MASK	37800 to 38200	37800 , 38000 , 38200	10MHz	QPSK	1 RB/ 0,49 RB Offest 50 RB/ 0 Offset
EIVIIOGION WASK	37825 to 38175	37825 , 38000, 38175	15MHz	QPSK	1 RB/ 0,74 RB Offest 75 RB/ 0 Offset
	37850 to 38150	37850 , 38000, 38150	20MHz	QPSK	1 RB/ 0,99 RB Offest 100 RB/ 0 Offset

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#### LTE Band 41 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
EIRP	39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
EIRP	39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	39700 to 41540	39700, 40620, 41540	10MHz	QPSK	Full RB
	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	Full RB
OCCUPIED BAND-	39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	Full RB
WIDTH	39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	Full RB
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	Full RB
	39675 to 41565	39675, 40620, 41565	5MHz	16QAM	Full RB
PEAK TO AVERAGE	39700 to 41540	39700, 40620, 41540	10MHz	16QAM	Full RB
RATIO	39725 to 41515	39725, 40620, 41515	15MHz	16QAM	Full RB
	39750 to 41490	39750, 40620, 41490	20MHz	16QAM	Full RB
	39675 to 41565	39675, 41565	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
DAND EDGE	39700 to 41540	39700, 41540	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
BAND EDGE	39725 to 41515	39725, 41515	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	39750 to 41490	39750, 41490	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
	39675 to 41565	39675, 40620, 41565	5MHz	QPSK	1 RB, 0 RB Offest
CONDCUDETED EMIS-	39700 to 41540	39700, 40620, 41540	10MHz	QPSK	1 RB, 0 RB Offest
SION	39725 to 41515	39725, 40620, 41515	15MHz	QPSK	1 RB, 0 RB Offest
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK	1 RB, 0 RB Offest
	39675 to 41565	39675, 40620, 41565	5MHz	QPSK	1 RB/ 0,24 RB Offest 25 RB/ 0 Offset
EMICOLONI MACIK	39700 to 41540	39700, 40620, 41540	10MHz	QPSK	1 RB/ 0,49 RB Offest 50 RB/ 0 Offset
EMISSION MASK	39725 to 41515	39725, 40620, 41515	15MHz	QPSK	1 RB/ 0,74 RB Offest 75 RB/ 0 Offset
	39750 to 41490	39750, 40620, 41490	20MHz	QPSK	1 RB/ 0,99 RB Offest 100 RB/ 0 Offset
RADIATED EMISSION	39750 to 41490	39750, 40620, 41490	20MHz	16QAM	1 RB, 99 RB Offest

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#### LTE Band 66 MODE

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
	131979 to 132665	131979, 132322, 132665	1.4MHz	QPSK, 16QAM	1 RB/ 0,5 RB Offest
EIRP	131987 to 132657	131987, 132322, 132657	3MHz	QPSK, 16QAM	1 RB/ 0,14 RB Offest
	131997 to 132647	131997, 132322, 132647	5MHz	QPSK, 16QAM	1 RB/ 0,24 RB Offest
	132022 to 132622	132022, 132322, 132622	10MHz	QPSK, 16QAM	1 RB/ 0,49 RB Offest
	132047 to 132597	132047, 132322, 132597	15MHz	QPSK, 16QAM	1 RB/ 0,74 RB Offest
	132072 to 132572	132072, 132322, 132572	20MHz	QPSK, 16QAM	1 RB/ 0,99 RB Offest
FREQUENCY STABILITY	18650 to 19150	18900	10MHz	QPSK	Full RB
	131979 to 132665	131979, 132322, 132665	1.4MHz	QPSK, 16QAM	Full RB
	131987 to 132657	131987, 132322, 132657	3MHz	QPSK, 16QAM	Full RB
OCCUPIED BAND- WIDTH	131997 to 132647	131997, 132322, 132647	5MHz	QPSK, 16QAM	Full RB
WIDTH	132022 to 132622	132022, 132322, 132622	10MHz	QPSK, 16QAM	Full RB
	132047 to 132597	132047, 132322, 132597	15MHz	QPSK, 16QAM	Full RB
	132072 to 132572	132072, 132322, 132572	20MHz	QPSK, 16QAM	Full RB
	131979 to 132665	131979, 132322, 132665	1.4MHz	16QAM	Full RB
	131987 to 132657	131987, 132322, 132657	3MHz	16QAM	Full RB
PEAK TO AVERAGE	131997 to 132647	131997, 132322, 132647	5MHz	16QAM	Full RB
RATIO	132022 to 132622	132022, 132322, 132622	10MHz	16QAM	Full RB
	132047 to 132597	132047, 132322, 132597	15MHz	16QAM	Full RB
	132072 to 132572	132072, 132322, 132572	20MHz	16QAM	Full RB
	18607 to 19193	18607, 19193	1.4MHz	QPSK	1 RB/ 0,5 RB Offes Full RB
	18615 to 19185	18615, 19185	3MHz	QPSK	1 RB/ 0,14 RB Offest Full RB
BAND EDGE	18625 to 19175	18625, 19175	5MHz	QPSK	1 RB/ 0,24 RB Offest Full RB
DAND LDGL	18650 to 19150	18650, 19150	10MHz	QPSK	1 RB/ 0,49 RB Offest Full RB
	18675 to 19125	18675, 19125	15MHz	QPSK	1 RB/ 0,74 RB Offest Full RB
	18700 to 19100	18700, 19100	20MHz	QPSK	1 RB/ 0,99 RB Offest Full RB
	18607 to 19193	18607, 18900, 19193	1.4MHz	QPSK	1 RB, 0 RB Offest
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK	1 RB, 0 RB Offest
CONDCUDETED	18625 to 19175	18625, 18900, 19175	5MHz	QPSK	1 RB, 0 RB Offest
EMISSION	18650 to 19150	18650, 18900, 19150	10MHz	QPSK	1 RB, 0 RB Offest
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK	1 RB, 0 RB Offest
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK	1 RB, 0 RB Offest
RADIATED EMISSION	18615 to 19185	18615, 18900, 19185	3MHz	QPSK	1 RB, 0 RB Offest

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# 5. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty
RF Power Output	+/- 1.10 dB
ERP/ EIRP measurement	Vertical Polarization = +/- 4.74dB Horizontal Polarization =+/- 4.62dB
99% Occupied Bandwidth	+/- 5.19 Hz
Out of Band Emissions at Antenna Terminals and Band Edge	+/- 0.70 dB
Peak to Average Ratio	+/- 0.70 dB
Frequency Stability vs. Temperature	+/- 5.19 Hz
Frequency Stability vs. Voltage	+/- 5.19 Hz
Temperature	+/- 0.65 °C
Humidity	+/- 4.6 %
DC / AC Power Source	DC= +/- 0.13%, AC=+/- 0.2%

### Radiated Spurious Emission:

	9kHz – 30MHz: +/- 2.87 dB				
Management up a stainte	30MHz - 180MHz: +/- 3.37dB				
Measurement uncertainty (Polarization : <b>Vertical</b> )	180MHz -417MHz: +/- 3.19dB				
(i dianzation : vortioal)	0.417GHz-1GHz: +/- 3.19dB				
	1GHz - 18GHz: +/- 4.04dB				
	18GHz - 40GHz: +/- 4.04dB				

	9kHz – 30MHz: +/- 2.87 dB
Magaziramantungantaintu	30MHz - 167MHz: +/- 4.22dB
Measurement uncertainty (Polarization : <b>Horizontal</b> )	167MHz -500MHz: +/- 3.44dB
(i cianzation : riorizontal)	0.5GHz-1GHz: +/- 3.39dB
	1GHz - 18GHz: +/- 4.08dB
	18GHz - 40GHz: +/- 4.08dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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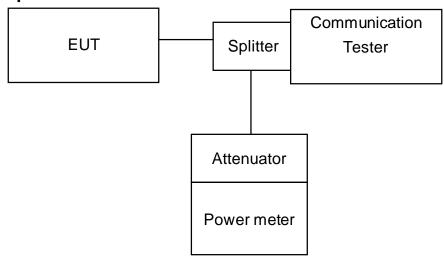
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### 6. RF CONDUCTED OUTPUT POWER MEASUREMENT

# 6.1. Standard Applicable

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals.

### 6.2. Test Set-up



**Note:** Measurement setup for testing on Antenna connector

#### 6.3. Measurement Procedure

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading. TS 151 010-1 is reference to conduct the test measurement of output power.

The Procedure of KDB941225 (SAR Measurement Procedures for 3G devices, (WCD-MA/HSPA) was used for EUT and Base station setting. RMC 12.2kps is used for this testing, and KDB 971168 D01 Power Meas License Digital System as the supplemental test methodology to adjust the proper setting obtaining the measurement results

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# 6.4. Measurement Equipment Used

Conduc	Conducted Emission (measured at antenna port) Test Site									
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.					
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018					
Communication Tester	Anritsu	MT8820C	6201107337	06/11/2017	06/10/2018					
Coaxial Cable 30cm	WOKEN	00100A1F1A19 5C	RF01	12/24/2017	12/23/2018					
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018					
DC Block	PASTERNACK	PE8210	RF29	12/24/2017	12/23/2018					
Splitter	RF-LAMBAD	RFLT2W1G18G	RF35	12/24/2017	12/23/2018					
Attenuator	WOKEN	218FS-10	RF23	12/24/2017	12/23/2018					
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018					

#### 6.5. Measurement Result

# **RF Conducted Output Power**

#### WCDMA MODE:

The following tests were completed according to the test requirements outlined in section 5.2 of the 3GPP TS34.121-1 V8.4.0 specification. The EUT supports power Class 3, which has a nominal maximum output power of 24 dBm (+1.7/-3.7). RMC 12.2kps is used for this testing.

#### Results:

	Avg. Power (dBm)					
BNAD II	Channel					
	9262	9400	9538			
WCDMA	23.93	23.88	23.61			
HSDPA	23.80	23.78	23.54			
HSUPA	22.69	22.64	22.29			

	Avg. Power (dBm)					
BNAD IV	Channel					
	1312	1413	1513			
WCDMA	23.77	23.97	23.99			
HSDPA	23.60	23.77	23.84			
HSUPA	22.52	22.73	22.80			

	Avg. Power (dBm)					
BNAD V	Channel					
	4132	4183	4233			
WCDMA	23.55	23.39	23.33			
HSDPA	23.39	23.15	23.23			
HSUPA	22.54	22.74	22.27			

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#### LTE Result:

L	LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
				Conducted power (dBm)						
BW	RB	RB	QPSK			16QAM				
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH		
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)		
			18607	18900	19193	18607	18900	19193		
	1	0	23.19	23.24	22.94	22.39	22.53	22.08		
1.4	1	5	23.24	23.20	22.88	22.66	22.72	22.24		
1.4	3	2	22.92	22.94	22.55	22.33	22.38	21.94		
	6	0	22.20	22.23	21.91	21.23	21.21	20.85		

L	LTE Band 2_Uplink frequency band : 1850 to 1910 MHz									
				Conducted power (dBm)						
BW	DW DD	RB		QPSK			16QAM			
(MHz)	RB Size	Offset	CH	CH	CH	CH	CH	CH		
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)		
			18615	18900	19185	18615	18900	19185		
	1	0	23.18	23.10	22.94	22.34	22.79	22.13		
3	1	14	22.93	23.10	22.83	22.47	22.33	22.71		
3	8	4	22.17	22.16	21.81	21.19	21.30	20.81		
	15	0	22.19	22.15	21.87	21.20	21.19	20.91		

LTE Band 2_Uplink frequency band : 1850 to 1910 MHz										
				Conducted power (dBm)						
BW	RB	RB	QPSK			16QAM				
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH		
(IVI IIZ)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)		
			18625	18900	19175	18625	18900	19175		
	1	0	23.17	23.22	22.94	22.68	22.15	22.24		
5	1	24	23.26	23.00	22.97	22.72	22.57	22.11		
5	12	6	22.89	22.90	22.54	21.97	21.97	21.65		
	25	0	22.19	22.19	21.94	21.26	21.21	20.97		

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LTE Band 2_Uplink frequency band : 1850 to 1910 MHz										
				Conducted power (dBm)						
BW	RB	RB		QPSK			16QAM			
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH		
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)		
			18650	18900	19150	18650	18900	19150		
	1	0	23.42	23.38	22.96	22.81	22.36	22.31		
10	1	49	23.18	23.23	23.09	22.44	22.76	22.07		
10	25	12	22.21	22.28	21.95	21.38	21.28	21.01		
	50	0	22.19	22.19	21.91	21.25	21.25	20.97		

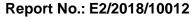
L	LTE Band 2_Uplink frequency band : 1850 to 1910 MHz										
			Conducted power (dBm)								
DW	RB	RB		QPSK			16QAM	1 CH (High) 19125 22.27			
BW (MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
	OIZE	Size Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			18675	18900	19125	18675	18900	19125			
	1	0	23.31	23.22	22.88	22.64	22.07	22.27			
15	1	74	23.08	23.07	22.88	22.41	22.67	22.36			
15	36	19	22.16	22.25	21.91	21.17	21.26	20.87			
	75	0	22.20	22.23	22.00	21.18	21.34	20.95			

L	LTE Band 2_Uplink frequency band : 1850 to 1910 MHz											
				Conducted power (dBm)								
					(dE	Bm)						
BW	RB	RB	QPSK 16QAM									
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH				
			(Low)	(Mid)	(High)	(Low)	(Mid)	(High)				
			18700	18900	19100	18700	18900	19100				
	1	0	23.66	23.37	23.37	22.94	22.92	22.46				
20	1	99	23.31	23.26	23.16	22.72	22.44	22.52				
20	50	25	22.42	22.29	22.00	21.32	21.47	20.97				
	100	0	22.50	22.47	22.18	21.49	21.60	21.13				

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L	LTE Band 4_Uplink frequency band : 1710 to 1755 MHz											
				Conducted power (dBm)								
DW	RB	RB		QPSK			16QAM					
BW (MHz)	Size	Offset	CH	CH	CH	CH	CH	CH				
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)				
			19957	20175	20393	19957	20175	20393				
	1	0	23.23	23.25	23.51	21.98	22.64	22.43				
1.4	1	5	23.16	23.15	23.59	22.22	22.52	22.96				
1.4	3	2	22.48	22.53	22.83	22.14	22.32	22.61				
	6	0	22.17	22.19	22.54	21.14	21.26	21.50				

L	LTE Band 4_Uplink frequency band : 1710 to 1755 MHz										
			Conducted power (dBm)								
BW	RB	RB		QPSK			16QAM	CH (High) 5 20385 22.38 22.92 21.55			
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(101112)	OIZE	Size Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			19965	20175	20385	19965	20175	20385			
	1	0	23.02	23.22	23.46	22.31	22.64	22.38			
3	1	14	23.13	23.20	23.52	22.07	22.43	22.92			
3	8	4	22.15	22.23	22.52	21.20	21.05	21.55			
	15	0	22.16	22.24	22.54	21.18	21.34	21.54			

L	LTE Band 4_Uplink frequency band : 1710 to 1755 MHz											
				Conducted power (dBm)								
BW	RB	RB		QPSK			16QAM					
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH				
(1011 12)	Size	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)				
			19975	20175	20375	19975	20175	20375				
	1	0	23.20	23.24	23.61	22.69	22.55	22.93				
5	1	24	23.37	23.22	23.51	22.47	22.59	22.74				
5	12	6	22.58	22.53	22.90	21.63	21.59	21.82				
	25	0	22.29	22.23	22.61	21.29	21.20	21.57				

L	LTE Band 4_Uplink frequency band : 1710 to 1755 MHz											
				Conducted power (dBm)								
BW	RB	RB		QPSK			16QAM	CH (High) 5 20350 22.45 22.77 21.59				
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH				
(IVI $\square$ Z)	SIZE	e   Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)				
			20000	20175	20350	20000	20175	20350				
	1	0	23.23	23.36	23.48	22.27	22.82	22.45				
10	1	49	23.29	23.24	23.53	22.64	22.50	22.77				
10	25	12	22.33	22.23	22.61	21.40	21.30	21.59				
	50	0	22.32	22.23	22.60	21.42	21.29	21.57				

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L	LTE Band 4_Uplink frequency band : 1710 to 1755 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK			16QAM				
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(IVI TZ)	Size	Size Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			20025	20175	20325	20025	20175	20325			
	1	0	23.12	23.14	23.21	22.81	22.63	22.90			
15	1	74	23.17	23.07	23.31	22.78	22.53	22.90			
15	36	19	22.35	22.24	22.55	21.37	21.29	21.51			
	75	0	22.39	22.27	22.63	21.38	21.32	21.61			

L	LTE Band 4_Uplink frequency band : 1710 to 1755 MHz										
			Conducted power (dBm)								
			(dBm)								
BW	RB	RB	QPSK 16QAM								
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
			(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			20050	20175	20300	20050	20175	20300			
	1	0	23.19	23.40	23.18	22.51	22.50	22.40			
20	1	99	23.15	23.14	23.61	22.63	22.81	22.42			
20	50	25	22.25	22.16	22.32	21.36	21.24	21.37			
	100	0	22.41	22.29	22.53	21.47	21.38	21.53			

	LTE Band 5_Uplink frequency band : 824 to 849 MHz											
				Conducted power (dBm)								
BW	RB	RB		QPSK			16QAM	CH (High) 20643 22.27 22.49 22.08 20.98				
	Size	Offset	CH	CH	CH	СН	CH	СН				
(MHz)	Size	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)				
			20407	20525	20643	20407	20525	20643				
	1	0	23.04	22.81	22.99	22.57	22.41	22.27				
1.4	1	5	23.07	22.81	23.01	22.44	21.88	22.49				
1.4	3	2	22.97	22.79	22.98	22.08	22.05	22.08				
	6	0	22.06	21.83	22.03	21.17	20.75	20.98				

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	LTE Band 5_Uplink frequency band : 824 to 849 MHz										
				Co	nducted p	ower (dE	Bm)				
DW	RB	RB		QPSK			16QAM	CH (High) 5 20635 8 22.38 22.30 2 21.00			
BW (MHz)	Size	Offset	CH	CH	CH	СН	CH	СН			
(IVI 🗆 Z)	Size	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			20415	20525	20635	20415	20525	20635			
	1	0	23.03	22.71	22.77	22.32	21.83	22.38			
3	1	14	22.99	22.68	22.94	22.72	21.93	22.30			
3	8	4	22.02	21.80	21.97	20.99	20.82	21.00			
	15	0	21.99	21.79	22.03	21.09	20.77	21.02			

LTE Band 5_Uplink frequency band : 824 to 849 MHz										
				Co	nducted p	ower (dB	Sm)	CH (High) 20625 22.36		
BW	DD	DD		QPSK			16QAM	CH (High) 20625		
(MHz)	RB Size	RB Offset	CH	CH	CH	СН	CH	CH		
(IVI IIZ)	Size	ize Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)		
			20425	20525	20625	20425	20525	20625		
	1	0	23.00	22.82	22.73	22.16	22.23	22.36		
5	1	24	22.98	22.81	23.05	22.19	22.47	21.77		
5	12	6	22.03	21.79	21.84	21.11	20.93	20.85		
	25	0	22.01	21.81	22.00	20.95	20.86	20.75		

	LTE Band 5_Uplink frequency band : 824 to 849 MHz										
				Co	nducted p	ower (dE	Bm)				
BW	RB	RB		QPSK			16QAM	CH (High) 20600 22.13 22.54 20.95			
(MHz)	Size	Offset	СН	CH	CH	СН	CH	СН			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			20450	20525	20600	20450	20525	20600			
	1	0	23.01	23.07	22.89	22.57	22.32	22.13			
10	1	49	22.96	22.93	23.10	22.14	22.33	22.54			
10	25	12	21.98	21.86	21.79	21.21	21.04	20.95			
	50	0	22.14	21.88	21.99	21.17	20.97	21.11			

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L	LTE Band 7_Uplink frequency band : 2500 to 2570 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK		16QAM					
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			20775	21100	21425	20775	21100	21425			
	1	0	22.69	22.61	22.76	22.40	21.92	21.97			
5	1	24	22.78	22.66	22.86	22.11	22.43	22.33			
5	12	6	21.78	21.62	21.80	20.77	20.68	20.86			
	25	0	21.82	21.63	21.79	20.79	20.63	20.84			

L	LTE Band 7_Uplink frequency band : 2500 to 2570 MHz										
				Conducted power (dBm)							
BW (MHz)	RB			QPSK			16QAM				
	Size	RB Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	oize Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			20800	21100	21400	20800	21100	21400			
	1	0	22.72	22.39	22.84	22.20	21.76	22.32			
10	1	49	22.81	22.77	22.98	22.34	22.19	22.44			
10	25	12	21.83	21.71	21.81	20.94	20.88	20.77			
	50	0	21.82	21.69	21.79	20.87	20.87	20.90			

L	LTE Band 7_Uplink frequency band : 2500 to 2570 MHz										
			Conducted power (dBm)								
BW	RB	RB		QPSK		16QAM					
(MHz)	Size	Offset	CH	CH	CH	CH	CH	СН			
(1011 12)	Size	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			20825	21100	21375	20825	21100	21375			
	1	0	22.53	22.59	22.76	21.84	21.57	22.50			
15	1	74	22.64	22.89	22.88	21.92	22.33	22.06			
15	36	19	21.72	21.71	21.80	20.91	20.77	20.87			
	75	0	21.74	21.68	21.83	20.87	20.78	20.89			

L	LTE Band 7_Uplink frequency band : 2500 to 2570 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK		16QAM					
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	Size	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			20850	21100	21350	20850	21100	21350			
	1	0	22.51	22.52	22.88	22.09	21.51	22.40			
20	1	99	22.70	23.07	22.91	22.12	22.34	22.12			
20	50	25	21.69	21.58	21.83	20.80	20.72	20.87			
	100	0	21.71	21.75	21.89	20.83	20.90	20.93			

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L	LTE Band 12_Uplink frequency band : 699 to 716 MHz										
				Conducted power (dBm)							
BW (MHz)	DD	RB		QPSK			16QAM				
	RB Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	Size	ze Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			23025	23095	23165	23025	23095	23165			
	1	0	23.02	23.00	22.94	22.51	22.30	21.79			
3	1	14	23.16	22.87	22.86	21.98	21.97	22.54			
ა	8	4	22.02	21.93	21.75	21.11	21.06	21.05			
	15	0	22.16	21.93	21.96	21.13	20.97	21.15			

L	LTE Band 12_Uplink frequency band : 699 to 716 MHz										
				Conducted power (dBm)							
D\A/	RB			QPSK			16QAM				
BW (MHz)	Size	RB Offset	CH	CH	CH	CH	CH	CH			
(IVI 🗆 Z)	Size	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			23035	23095	23155	23035	23095	23155			
	1	0	22.97	23.01	22.90	22.53	22.35	22.20			
E	1	24	23.19	22.91	23.03	22.16	22.32	22.44			
5	12	6	22.07	21.91	22.00	21.15	20.97	21.14			
	25	0	22.12	21.97	21.94	20.98	21.02	20.95			

L	LTE Band 12_Uplink frequency band : 699 to 716 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK		16QAM					
	Size	Offset	CH	CH	CH	CH	CH	CH			
(MHz)	Size	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			23060	23095	23130	23060	23095	23130			
	1	0	23.01	23.13	22.91	22.08	22.54	21.71			
10	1	49	22.95	23.18	22.99	22.57	22.66	22.36			
10	25	12	21.98	21.95	22.00	21.20	21.20	20.91			
	50	0	22.11	22.07	22.17	21.14	21.19	21.21			

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L	LTE Band 13_Uplink frequency band : 777 to 787 MHz										
				Conducted power (dBm)							
D\A/	RB	RB		QPSK			16QAM				
	Size	Offset	CH	CH	CH	CH	CH	CH			
(IVI IIZ)	Size	oize Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			23205	23230	23255	23205	23230	23255			
	1	0	22.97	22.86	22.84	22.55	22.05	22.15			
5	1	24	22.83	22.88	22.97	22.29	22.50	22.65			
5	12	6	21.85	21.80	21.94	20.74	20.83	21.11			
	25	0	21.89	21.92	22.03	20.89	20.78	21.07			

	LTE Band 13_Uplink frequency band : 777 to 787 MHz									
			Conducted p	oower (dBm)						
DW		DD.	QPSK	16QAM						
BW		RB RB CH (Mid) 23230	СН	СН						
(MHz)	Size		(Mid)							
			23230	23230						
	1	0	23.01	22.20						
10	1	49	23.08	22.44						
10	25	12	21.91	21.03						
	50	0	22.13	21.14						

L	LTE Band 17_Uplink frequency band : 704 to 716 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK		16QAM					
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(IVI 🗆 Z)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			23755	23790	23825	23755	23790	23825			
	1	0	22.97	22.86	22.84	22.54	22.18	22.34			
5	1	24	22.96	22.97	23.02	21.74	22.42	22.60			
5	12	6	21.90	21.98	21.99	20.87	21.01	21.14			
	25	0	21.89	21.91	21.89	20.99	20.88	20.99			

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L	LTE Band 17_Uplink frequency band : 704 to 716 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK		16QAM					
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			23780	23790	23800	23780	23790	23800			
	1	0	22.91	22.98	23.03	22.07	22.35	22.35			
10	1	49	23.12	23.04	23.03	22.81	22.74	22.51			
10	25	12	21.88	22.00	22.01	20.99	21.04	21.04			
	50	0	21.96	22.17	22.04	21.29	21.17	21.28			

L	LTE Band 26_Uplink frequency band : 824 to 849 MHz										
	DD			Conducted power (dBm)							
		RB		QPSK			16QAM				
	RB Size	Offset	CH	CH	CH	CH	CH	CH			
	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			26697	26865	27033	26697	26865	27033			
	1	0	22.89	22.94	22.93	22.26	22.16	22.05			
1.4	1	5	23.05	22.92	22.93	22.54	22.50	22.52			
1.4	3	2	22.98	22.89	22.96	22.02	22.01	22.02			
	6	0	22.05	21.94	21.88	20.98	21.01	20.94			

L	LTE Band 26_Uplink frequency band : 824 to 849 MHz									
				Conducted power (dBm)						
BW	RB	RB		QPSK			16QAM			
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH		
(IVI IIZ)	Size	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)		
			26705	26865	27025	26705	26865	27025		
	1	0	23.02	22.88	22.73	22.10	22.52	22.12		
3	1	14	23.02	22.85	22.96	22.87	22.06	22.07		
3	8	4	21.95	22.02	21.87	21.02	21.00	20.79		
	15	0	22.05	21.94	21.91	21.06	20.98	20.98		

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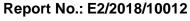
L	LTE Band 26_Uplink frequency band : 824 to 849 MHz										
		RB		Conducted power (dBm)							
BW	RB			QPSK		16QAM					
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			26715	26865	27015	26715	26865	27015			
	1	0	23.04	22.90	22.66	22.68	22.21	21.90			
5	1	24	23.21	22.88	22.93	22.84	22.08	22.13			
3	12	6	22.13	21.94	21.94	21.24	21.02	20.80			
	25	0	22.17	21.94	21.72	21.13	20.99	20.91			

	LTE Band 26_Uplink frequency band : 824 to 849 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK		16QAM					
	Size	Offset	CH	CH	CH	CH	CH	CH			
(MHz)	SIZE	SIZE   Olise	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)		
			26750	26865	26990	26750	26865	26990			
	1	0	23.16	23.02	22.84	22.40	22.57	22.05			
10	1	49	23.03	22.88	23.06	22.45	22.48	22.32			
10	25	12	22.16	22.09	21.80	21.28	21.16	20.92			
	50	0	22.18	22.03	21.96	21.18	21.04	21.11			

L	LTE Band 26_Uplink frequency band : 824 to 849 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK			16QAM				
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			26775	26865	26965	26775	26865	26965			
	1	0	23.11	22.95	22.85	22.27	22.09	22.29			
15	1	74	22.76	22.74	22.94	22.50	22.63	22.36			
15	36	19	22.07	22.07	21.76	21.12	21.10	20.88			
	75	0	22.20	22.18	22.09	21.28	21.27	20.92			

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L	LTE Band 26_Uplink frequency band : 814 to 824 MHz									
				Conducted power (dBm)						
BW	RB	RB		QPSK			16QAM			
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH		
(IVI 🗆 Z)	Size	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)		
			26697	26740	26783	26697	26740	26783		
	1	0	22.95	22.96	23.06	22.24	22.22	22.19		
1.4	1	5	23.08	23.10	22.94	22.47	22.60	22.65		
1.4	3	2	23.13	23.01	23.01	21.94	22.01	22.14		
	6	0	22.18	21.86	21.86	20.88	21.00	21.07		

	LTE Band 26_Uplink frequency band : 814 to 824 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK		16QAM					
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Size   Oliset	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)		
			26705	26740	26775	26705	26740	26775			
	1	0	23.09	22.82	22.79	22.15	22.44	22.08			
2	1	14	22.98	22.76	22.98	22.89	22.06	22.01			
3	8	4	21.96	22.08	21.82	21.17	21.01	20.78			
	15	0	22.21	21.94	22.10	20.97	20.94	20.98			

L	LTE Band 26_Uplink frequency band : 814 to 824 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK		16QAM					
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(IVI IIZ)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			26715	26740	26765	26715	26740	26765			
	1	0	23.11	22.92	22.81	22.82	22.27	21.99			
5	1	24	23.29	22.93	23.04	22.75	22.24	22.04			
5	12	6	22.14	22.11	21.86	21.14	21.13	20.78			
	25	0	22.32	21.85	21.82	21.11	21.07	20.85			

L	LTE Band 26_Uplink frequency band : 814 to 824 MHz									
			Conducted power (dBm)							
BW	RB	RB	QPSK	16QAM						
(MHz)	Size	Offset	CH	CH						
(1011 12)	SIZE	Oliset	(Mid)	(Mid)						
			26740	26740						
	1	0	23.20	22.55						
10	1	49	22.88	22.42						
10	25	12	22.24	21.07						
	50	0	22.13	21.10						

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L.	LTE Band 30_Uplink frequency band : 2305 to 2315 MHz									
				Conducted power (dBm)						
BW	RB	RB		QPSK		16QAM				
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH		
(1011 12)	SIZE	Size Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)		
			27685	27710	27735	27685	27710	27735		
	1	0	23.24	23.32	23.26	22.55	22.28	22.4		
_	1	24	23.25	23.18	23.12	22.37	22.4	22.21		
5	12	6	22.31	22.24	22.2	21.47	21.21	21.25		
	25	0	22.46	22.21	22.17	21.35	21.26	21.28		

L	LTE Band 30_Uplink frequency band : 2305 to 2315 MHz									
			Conducted power (dBm)							
BW	RB	RB	QPSK	16QAM						
(MHz)	Size	Offset	СН	СН						
(1011 12)	) Size	Size	SIZE	SIZE	SIZE	Ullset	(Mid)	(Mid)		
			27710	27710						
	1	0	23.44	22.50						
10	1	49	23.33	22.57						
10	25	12	22.32	21.31						
	50	0	22.31	21.41						

L'	LTE Band 38_Uplink frequency band : 2570 to 2620 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK			16QAM				
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			37775	38000	38225	37775	38000	38225			
	1	0	22.98	22.98	23.11	22.01	22.00	22.10			
5	1	24	22.94	22.99	23.13	21.97	22.02	22.12			
5	12	6	22.06	22.06	22.20	21.08	21.03	21.13			
	25	0	22.06	22.07	22.19	21.13	21.09	21.24			

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L	LTE Band 38_Uplink frequency band : 2570 to 2620 MHz										
		DD DD		Con	ducted p	ower (d	Bm)				
BW	RB			QPSK		16QAM					
(MHz)	Size	RB Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			37800	38000	38200	37800	38000	38200			
	1	0	23.07	23.06	23.16	22.05	21.98	22.09			
10	1	49	23.00	23.08	23.16	21.96	22.05	22.13			
10	25	12	22.10	22.07	22.20	21.12	21.16	21.24			
	50	0	22.07	22.02	22.12	21.05	21.06	21.10			

L.	LTE Band 38_Uplink frequency band : 2570 to 2620 MHz											
			Conducted power (dBm)									
DW	DD	RB		QPSK			16QAM	CH (High) 38175 22.01				
BW (MHz)	RB Size	Offset	CH	CH	CH	CH	CH	CH				
(1011 12)		Size Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)				
			37825	38000	38175	37825	38000	38175				
	1	0	23.09	23.10	23.15	22.00	21.94	22.01				
15	1	74	23.03	23.07	23.17	21.93	21.97	22.11				
15	36	19	22.06	22.03	22.13	21.08	21.07	21.15				
	75	0	22.02	22.03	22.09	21.04	21.01	21.09				

L'	LTE Band 38_Uplink frequency band : 2570 to 2620 MHz										
				Con	ducted p	ower (d	Bm)				
BW	RB	RB		QPSK			16QAM				
(MHz)	Size	Offset	CH	CH	CH	CH	СН	CH			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			37850	38000	38150	37850	38000	38150			
	1	0	23.09	23.02	23.02	22.02	21.98	22.06			
20	1	99	23.02	23.04	23.09	21.94	22.00	22.21			
20	50	25	22.03	21.98	22.08	20.94	20.96	21.13			
	100	0	22.03	22.00	22.14	21.01	21.01	21.18			

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L	LTE Band 41_Uplink frequency band : 2496 to 2690 MHz										
				Conducted power (dBm)							
DW	RB	RB		QPSK		16QAM					
BW (MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			39675	40620	41565	39675	40620	41565			
	1	0	22.81	22.93	22.77	21.80	21.95	21.75			
5	1	24	22.72	22.94	22.77	21.78	21.96	21.84			
3	12	6	21.83	22.03	21.84	20.80	20.99	20.81			
	25	0	21.83	22.04	21.85	20.83	21.03	20.85			

L.	LTE Band 41_Uplink frequency band : 2496 to 2690 MHz											
			Conducted power (dBm)									
BW (MHz)	DD	RB		QPSK			16QAM	CH (High) 41540				
	RB Size	Offset	CH	CH	CH	CH	CH	CH				
(1011 12)	SIZE	Size Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)				
			39700	40620	41540	39700	40620	41540				
	1	0	22.85	23.02	22.72	21.85	21.93	21.69				
10	1	49	22.82	22.94	22.83	21.79	21.93	21.81				
10	25	12	21.92	22.01	21.86	20.97	21.05	20.89				
	50	0	21.89	21.96	21.80	20.84	21.01	20.83				

L'	LTE Band 41_Uplink frequency band : 2496 to 2690 MHz										
				Con	ducted p	ower (d	Bm)				
	RB	RB		QPSK			16QAM	AM CH id) (High) 520 41515 87 21.61			
	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	OIZE	Size Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			39725	40620	41515	39725	40620	41515			
	1	0	22.89	23.01	22.73	21.82	21.87	21.61			
15	1	74	22.89	23.01	22.87	21.82	21.93	21.81			
15	36	19	21.89	22.00	21.74	20.89	21.01	20.77			
	75	0	21.84	21.98	21.77	20.91	20.98	20.66			

L	LTE Band 41_Uplink frequency band : 2496 to 2690 MHz										
				Con	ducted p	ower (d	Bm)				
BW	RB	RB		QPSK			16QAM	M CH (High) 41490 21.74 21.77 20.75			
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	oize Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			39750	40620	41490	39750	40620	41490			
	1	0	22.84	23.00	22.77	21.85	21.93	21.74			
20	1	99	22.89	23.06	22.76	21.89	22.03	21.77			
20	50	25	21.88	21.96	21.71	20.81	20.95	20.75			
	100	0	21.93	21.99	21.83	20.92	20.97	20.76			

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L.	LTE Band 66_Uplink frequency band : 1709 to 1780 MHz										
				Conducted power (dBm)							
BW	RB	RB		QPSK			16QAM	CH (High) 15 1E+05 9 22.89 8 22.66 3 22.24			
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			1E+05	1E+05	1E+05	1E+05	1E+05	1E+05			
	1	0	23.02	23.3	23.21	22.65	22.39	22.89			
1.4	1	5	23.18	23.27	22.9	22.82	22.18	22.66			
1.4	3	2	22.88	22.61	22.91	22.1	22.33	22.24			
	6	0	22.07	22.03	22.23	20.82	20.91	21.03			

L	LTE Band 66_Uplink frequency band : 1709 to 1780 MHz										
				Con	ducted p	ower (d	Bm)				
BW	RB	RB		QPSK			16QAM	CH (High) 5 1E+05 22.95			
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			1E+05	1E+05	1E+05	1E+05	1E+05	1E+05			
	1	0	22.81	22.78	22.85	22.41	22.38	22.95			
3	1	14	22.92	23.24	23.45	22.27	22.41	22.92			
3	8	4	21.8	21.8	22.12	20.42	20.69	21.14			
	15	0	22.03	22.01	22.32	20.86	20.97	21.17			

L <sup>-</sup>	LTE Band 66_Uplink frequency band : 1709 to 1780 MHz											
				Conducted power (dBm)								
BW	RB	RB		QPSK			16QAM	CH (High) 5 1E+05 22.93 22.61 20.85				
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH				
(IVI IIZ)	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)				
			1E+05	1E+05	1E+05	1E+05	1E+05	1E+05				
	1	0	22.91	22.98	23.36	22.71	21.77	22.93				
5	1	24	23.04	23.14	23.15	21.93	22.33	22.61				
5	12	6	21.96	21.95	22.07	20.93	20.89	20.85				
	25	0	22.11	22.07	22.25	20.96	20.89	21.1				

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L	LTE Band 66_Uplink frequency band : 1709 to 1780 MHz										
				Con	ducted p	ower (d	Bm)				
	RB	RB		QPSK			16QAM				
	Size	Offset	CH	CH	CH	CH	CH	CH			
	SIZE	Oliset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			1E+05	1E+05	1E+05	1E+05	1E+05	1E+05			
	1	0	23.23	23.12	23.2	22.46	22.14	22.34			
10	1	49	22.92	23.35	23.15	22.75	22.8	22.99			
10	25	12	22.01	22.01	22.18	21.03	20.96	21.07			
	50	0	22.1	22.16	22.31	21.1	21.09	21.3			

L.	LTE Band 66_Uplink frequency band : 1709 to 1780 MHz										
				Con	ducted p	ower (d	Bm)  16QAM  CH CH (Mid) (High)  1E+05 1E+05  22.34 22.62				
BW (MHz)	DD	RB		QPSK			16QAM	СН			
	RB Size	Offset	CH	CH	CH	CH	CH	CH			
(1011 12)	SIZE	Size Offset	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)			
			1E+05	1E+05	1E+05	1E+05	1E+05	1E+05			
	1	0	23.14	23.27	23.21	22.51	22.34	22.62			
15	1	74	23.18	23.36	23.45	22.26	22.81	22.86			
15	36	19	22.13	22.1	22.38	20.94	21.01	21.27			
	75	0	22.18	22.23	22.44	21.23	21.23	21.46			

L	ГЕ Ваг	nd 66_U	plink fre	equency	band:	1709 to	1780 MI	Ηz
			Conducted power (dBm)					
			(dBm)  QPSK 16QAM					
BW	RB	RB						
(MHz)	Size	Offset	CH	CH	CH	CH	CH	CH
			(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
			1E+05	1E+05	1E+05	1E+05	1E+05	1E+05
	1	0	23.25	23.22	23.49	22.59	21.75	22.6
20	1	99	23.25	23.5	23.29	22.94	22.62	22.82
20	50	25	22.14	22.15	22.36	20.93	21.11	21.15
	100	0	22.36	22.37	22.54	21.27	21.37	21.52

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#### **HSDPA Release 6 MODE:**

The following 4 Sub-Tests were completed according to the test requirements outlined in section 5.2A of the 3GPP TS34.121-1 V8.4.0 specification. All TX RMS power requirements for Power Class 3 were met according to table 5.2AA.5 and 5.2B.5 All UE channels and power ratio's are set according to table C10.1.4 & C11.1.3 in the 3GPP TS34.121-1 V8.4.0. RMC 12.2kps is used for this testing.

## **HSDPA SUB-TEST Setting**

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH(FOR HSDPA)

Sub-test	βc	βa	βα ( <b>SF</b> )	βα/βα	βнs (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)	RMC (Kbps)
1	2/15	15/15	64	2/15	4/15	0.0	0.0	12.2
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0	12.2
3	15/15	8/15	64	15/8	30/15	1.5	0.5	12.2
4	15/15	4/15	64	15/4	30/15	1.5	0.5	12.2

Note: The recommended HSDPA MPRs are implemented as per following sub-tests.

Mode	Sub	Channel			Power Class 3	Comments
	test	9262	9400	00 9538 Limitation (dBm)		
	1	23.8	23.78	23.54	20.3dBm - 25.7dBm	Pass
HSDPA II	2	23.78	23.75	23.47	20.3dBm - 25.7dBm	Pass
H APUGN	3	23.8	23.75	23.4	19.8dBm - 25.7dBm	Pass
	4	23.76	23.72	23.41	19.8dBm - 25.7dBm	Pass

Mode	Sub	Avg	. Power (d Channel	Bm)	Power Class 3	Comments
	test	1312	1413	1513	Limitation (dBm)	
	1	23.6	23.77	23.84	20.3dBm - 25.7dBm	Pass
HSDPA IV	2	23.59	23.78	23.85	20.3dBm - 25.7dBm	Pass
NOUPA IV	3	23.6	23.78	23.82	19.8dBm - 25.7dBm	Pass
	4	23.59	23.78	23.83	19.8dBm - 25.7dBm	Pass

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### HSPA (HSDPA & HSUPA) Release 6 MODE

The following 5 Sub-Tests were completed according to the test requirements outlined in section 5.2A of the 3GPP TS34.121-1 V8.4.0 specification. All TX RMS power requirements for Power Class 3 were met according to table 5.2AA.5 and 5.2B.5 All UE channels and power ratio's are set according to table C11.1.3 in the 3GPP TS34.121-1 V8.4.0. RMC 12.2kps is used for this testing **HSPA SUB-TEST Setting** 

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH(FOR HSUPA)

Sub- test	βε	βa	βa (SF)	βс∕βа	βнs	βес	βed	β <sub>ed</sub> (SF)	β <sub>ed</sub> (Code s)	CM (dB)	MPR (dB)	AG Index	E-TFCI	RMC (Kbps
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/22 5	1309/225	4	1	1.0	0.0	20	75	12.2
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67	12.2
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed}$ 1: 47/15 $\beta_{ed}$ 2: 47/15	4 4	2	2.0	1.0	15	92	12.2
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71	12.2
5	15/15 (Note 4)	15/15 (Note 4)	64	15/15 (Note 4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81	12.2

Note: The recommended HSUPA MPRs are implemented as per following sub-tests.

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#### Results:

Mode	Sub test	Avg	. Power (d Channel	Bm)	Power Class 3 Limitation (dBm)	Comments
	เยรเ	9262	9400	9538	Limitation (ubm)	
	1	22.69	22.64	22.29	18.8dBm - 25.7dBm	Pass
	2	20.51	20.47	20.15	16.8dBm - 25.7dBm	Pass
HSUPA II	3	21.15	21.21	20.89	17.8dBm – 25.7dBm	Pass
	4	20.78	20.72	20.45	16.8dBm - 25.7dBm	Pass
	5	22.7	22.7	22.4	18.8dBm – 25.7dBm	Pass
	Sub	Avg	. Power (d	Bm)	Power Class 3	
Mode	test		Channel		Limitation (dBm)	Comments
	เยรเ	1312	1413	1513	Limitation (ubm)	
	1	22.52	22.73	22.8	20.3dBm - 25.7dBm	Pass
	2	20.3	20.51	20.6	20.3dBm – 25.7dBm	Pass
HSDPA IV	3	21.1	21.25	21.28	19.8dBm - 25.7dBm	Pass
	4	20.61	20.78	20.94	19.8dBm – 25.7dBm	Pass
	5	22.6	22.8	22.84	19.8dBm – 25.7dBm	Pass
	Sub	Avg	. Power (d	Bm)	Power Class 3	
Mode	test		Channel			Comments
	เธอเ	4132	4183	4233	Limitation (dBm)	
	1	22.54	22.74	22.27	18.8dBm – 25.7dBm	Pass
	2	20.31	20.56	20.11	16.8dBm – 25.7dBm	Pass
HSUPA V	3	21.04	21.35	20.75	17.8dBm – 25.7dBm	Pass
	4	20.55	20.84	20.42	16.8dBm - 25.7dBm	Pass
	5	22.5	22.8	22.4	18.8dBm - 25.7dBm	Pass

### WCDMA/HSDPA/HSUPA band II, IV, V

The EUT output power was controlled by simulator. Set Communication Tester MT8820C function key "UE Power Control" and enter max rated power 24dBm. The EUT is going to be set to max output power to 24dBm. Then record the read (see page 15 for measurement data). The min. power was measures by a function key "minimum power" then record the read. It is -52.3dBm. The power variation can be 0.1dB step by setting.

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# 7. EFFECTIVE RADIATED POWER AND EQUIVALENT ISOTROPIC RADIATED POWER MEASUREMENT

## 7.1. Standard Applicable

According to FCC §2.1046

FCC 22.913(a) Mobile station is limited to 7W ERP.

FCC 24.232(b) Mobile and portable stations are limited to 2 W EIRP.

FCC 27.50(a)(3) Mobile and portable stations (hand-held devices) are limited to 250 mW/5MHz EIRP.

FCC 27.50(c)(10) Portable stations (hand-held devices) are limited to 3 watts ERP.

FCC 27.50(d)(4) Fixed, mobile, and portable (hand-held) stations are limited to 1W EIRP.

FCC 27, 50(h)(2) Mobile and other user stations. Mobile stations are limited to 2 W EIRP

FCC 90.635(b) Mobile station is limited to 100W ERP

According to RSS-130 §4.4

It shall not exceed 5 W for portable equipment or for indoor fixed subscriber equipment.

According to RSS-132, section 5.4.

The equivalent isotropically radiated power (e.i.r.p.) for mobile equipment shall not exceed 11.5 watts.

According to RSS-133 §6.4

The peak e.i.r.p. for transmitters operating in the band 1850-1910 MHz shall not exceed the limits 2W given in SRSP-510.

According to RSS 139 §6.4

The average equivalent isotropically radiated power (e.i.r.p.) for fixed, mobile and portable transmitters in the 1710-1755 MHz shall not exceed 1 watt.

According to RSS-199 §4.4

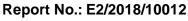
For mobile subscriber equipment, the e.i.r.p. shall not exceed 2 watts.

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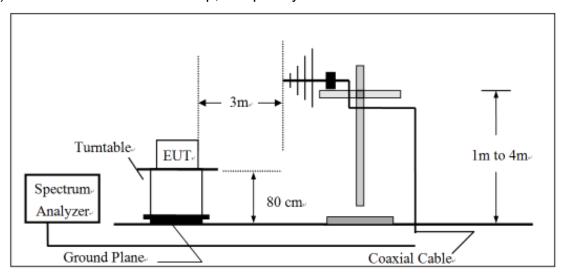




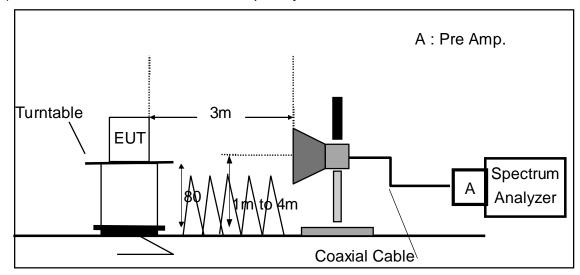
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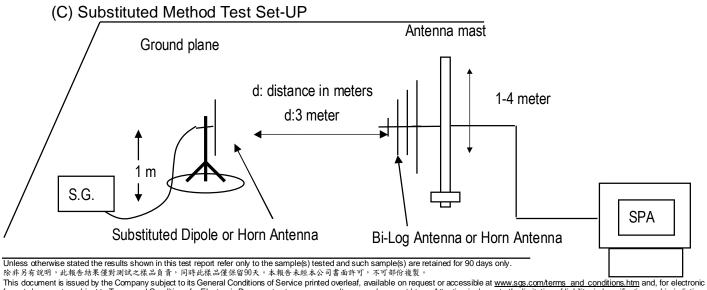
#### 7.2. Test SET-UP

(A) Radiated Power Test Set-Up, Frequency Below1000MHz



(B) Radiated Power Test Set-UP Frequency Over 1 GHz





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#### 7.3. Measurement Procedure

- The testing follows the Measurement Procedure of FCC KDB 971168 D01
- 2. The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.
- 3. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calcu-
- 4. The testing follows the Measurement Procedure of FCC KDB 971168 D01
- 5. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power
- 6. ERP = S.G. output (dBm) + Antenna Gain (dBd) Cable Loss (dB)
- 7. EIRP = S.G. output (dBm) + Antenna Gain (dBi) Cable Loss (dB)
- 8. Spectrum setting:
  - (1) Detector = Peak, marker the highest value of the detector by maximum hold, set RBW wide enough to capture the entire signal of emission, and VBW > =3xRBW.
  - (2) KDB 971168 D01 is adopted, and the procedure as lists under item 4, Measurement of the Average Power over the Fundamental Signal Bandwidth, is followed to set correspondingly for the acquisition of proper measurement data.

Set frequency = nominal signal center frequency;

Set span = 2 X occupied BW;

Set RBW ≈ 1~5% of the span, not to exceed 1 MHz

Set  $VBW = 3 \times RBW$ ;

Select average power (RMS) detector

Set sweep time and number of measurement points to achieve a minimum of 1 millisecond/pt integration time (ex. Point = 601points, then sweet time =  $601*10^{-3}$  = 6s.

Activate trace averaging routine over a minimum of 10 sweeps;

Activate marker/span pair and set span = signal or channel bandwidth;

Activate the band/interval power marker function;

Record the band power level;

Record adjusted value as the average signal power level. Then activate the occupied bandwidth measurement function.

The proper adjustment due to limitation of spectrum capability is given compensated to spectrum with conversion factor of 10\*log (TBW/RBW), where TBW is the transmission of UE exceeding the maximum BW UE can extends, and RBW is the resolution BW in UE.

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## 7.4. Measurement Equipment Used

7.4. Measurement Ed	EIRP MEASUREM	IENT EQUIPME	NT List 966 Ch	namber	
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
EMI Test Receiver	R&S	ESU 40	100363	04/18/2017	04/17/2018
Broadband Antenna	TESEQ	CBL 6112D	35240	11/03/2017	11/02/2018
Broadband Antenna	TESEQ	CBL 6112D	35243	11/09/2017	11/08/2018
Horn Antenna	ETS-Lindgren	3117	00143272	12/15/2017	12/16/2018
Horn Antenna	ETS-Lindgren	3117	143279	11/14/2017	11/13/2018
Horn Antenna	Schwarzbeck	BBHA9170	184	12/11/2017	12/10/2018
Horn Antenna	Schwarzbeck	BBHA9170	185	08/01/2017	07/31/2018
Pre Amplifier	EMC Instruments	EMC330	980096	12/24/2017	12/23/2018
Pre Amplifier	EMC Instruments	EMC0011830	980199	12/24/2017	12/23/2018
Pre Amplifier	R&S	SCU-18	10204	12/24/2017	12/23/2018
Pre Amplifier	R&S	SCU-26	100780	12/24/2017	12/23/2018
Pre Amplifier	EMC Instruments	EMC184045B	980135	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	RG 214/U	966Rx 9K-30M	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	RG 214/U SUCOFLEX 104	966Rx 30M-3G	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Rx 1G-18G	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	mini 141-12 SUCOFLEX 104	966Rx 18G-40G	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	SUCOFLEX 104	966Tx 30M-18G	12/24/2017	12/23/2018
Coaxial Cable	Huber+Suhner	SUCOFLEX 102	966Tx 18G-40G	12/24/2017	12/23/2018
Attenuator	WOKEN	218FS-10	RF27	12/24/2017	12/23/2018
Communication Tester	Anritsu	MT8820C	6201107337	06/11/2017	06/10/2018
Site NSA	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
Site VSWR	SGS	966 Chamber C	SAC-C	03/02/2017	03/01/2018
DC Power Supply	HOLA	DP-3003	D7070035	05/04/2017	05/03/2018
Controller	MF	MF-7802	N/A	N.C.R.	N.C.R.
Antenna Master	MF	N/A	N/A	N.C.R.	N.C.R.
Turn Table	MF	N/A	N/A	N.C.R.	N.C.R.
Test Software	World-Pallas	Dr. E	V 3.0 Lite	N.C.R.	N.C.R.

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# 7.5. Measurement Result: (Peak) –using option of peak measurement **FCC EIRP Measurement**

easureme	nτ							
			Part24		_			
	EUT				<i>l</i> leasurem			
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
	4050.4	0000	V	17.79	9.58	-6.86	20.51	33.01
	1852.4	9262	Н	16.80	9.58	-6.86	19.52	33.01
WCDMA	1880.0	9400	V	16.82	9.69	-6.91	19.60	33.01
Band II	1000.0	9400	Н	17.83	9.69	-6.91	20.61	33.01
	1907.6	9538	V	15.72	9.81	-6.96	18.57	33.01
	1907.0	3000	Н	17.76	9.81	-6.96	20.61	33.01
Remark:	The RBW,V	BW of	SPA for fre	equency	RBW= 5M	Hz, VE	8W= 8M	lHz
	Part24							
	EUT			N	<i>l</i> leasurem	ent		
Operation	Fundamental		Antenna	S.G.	Antenna	Cable	FIDD	,
Band	Frequency	СН	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1852.4	9262	V	17.94	9.58	-6.86	20.66	33.01
	1002.4	9202	Н	16.47	9.58	-6.86	19.19	33.01
HSDPA	1880.0	9400	V	16.94	9.70	-6.91	19.73	33.01
Band II	1000.0	J+00	Н	17.81	9.70	-6.91	20.60	33.01
	1907.6	9538	V	15.76	9.81	-6.96	18.61	33.01
			Н	17.72	9.81	-6.96	20.57	33.01
Remark:	The RBW,V	BW of	SPA for fre	equency	RBW= 5M	Hz , VE	8W= 8M	lHz
			Part24					
	EUT			N	<i>l</i> leasurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	CII	Pol.	Output	Gain	Loss	LINE	LIIIII
	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1852.4	9262	V	17.98	9.58	-6.86	20.70	33.01
	1002.4	9202	Н	16.46	9.58	-6.86	19.18	33.01
HSUPA	1880.0	9400	V	17.05	9.70	-6.91	19.84	33.01
Band II	1000.0	3 <del>4</del> 00	Н	17.76	9.69	-6.91	20.54	33.01
	1907.6	9538	V	15.76	9.81	-6.96	18.61	33.01
			Н	17.80	9.81	-6.96	20.65	33.01
Remark:	The RBW,V	BW of	SPA for fre	equency	RBW=5M	Hz, VE	8W= 8M	lHz

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			Part27					
	EUT			N	/leasurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1710 /	1312	V	9.30	8.99	-6.58	11.71	30.00
	1712.4	1312	Н	21.95	8.99	-6.58	24.36	30.00
WCDMA	1732.6	1413	V	22.17	9.08	-6.62	24.63	30.00
Band IV	17 32.0	1413	Н	22.42	9.08	-6.62	24.88	30.00
	1752.6	1513	V	19.09	9.16	-6.66	21.59	30.00
			Н	21.07	9.16	-6.66	23.57	30.00
Remark:	The RBW,V	BW of	SPA for fre	equency	RBW= 5M	Hz , VE	3W= 8N	lHz
			Part27					
	EUT			N	<i>l</i> leasurem	ent		
Operation	Fundamental		Antenna	S.G.	Antenna	Cable	FIDD	1 : :4
Band	Frequency	СН	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1712.4	1312	V	16.84	8.99	-6.59	19.24	30.00
	17 12.4	1312	Н	19.48	8.99	-6.59	21.88	30.00
HSDPA	1732.6	1413	V	17.55	9.07	-6.62	20.00	30.00
Band IV	17 32.0	1413	Н	19.62	9.08	-6.62	22.08	30.00
	1752.6	1513	V	14.27	9.16	-6.66	16.77	30.00
			Н	13.62	9.16	-6.66	16.12	30.00
Remark:	The RBW,V	BW of	SPA for fre	equency	RBW= 5M	Hz , VE	8W= 8N	lHz
			Part27					
	EUT			N	<i>l</i> leasurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	G	Pol.	Output	Gain	Loss	LIKP	LIIIII
	MHz		V/H	dBm	dBi	dB	dBm	dBm
	1712.4	1312	V	7.30	8.99	-6.58	9.71	30.00
	11 12.4	1012	Н	17.96	8.99	-6.58	20.37	30.00
HSUPA	1732.6	1413	V	10.10	9.07	-6.62	12.55	30.00
Band IV	11 32.0	1413	Н	18.22	9.08	-6.63	20.67	30.00
Dalla IV	1752.6	1513	V	1.06	9.17	-6.67	3.56	30.00
	1/52.6	1010	Н	17.19	9.16	-6.66	19.69	30.00
Remark:	The RBW,V	BW of	SPA for fre	equency	RBW=5M	Hz, VE	3W= 8N	lHz

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			Part	22				
	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
	000.4	4132	V	22.82	5.13	-4.19	23.76	38.45
	826.4	4132	Н	24.64	5.13	-4.19	25.58	38.45
WCDMA	836.6	4183	V	22.70	5.10	-4.22	23.58	38.45
Band V	030.0	4100	Н	25.52	5.10	-4.22	26.40	38.45
	846.6	4233	V	20.35	5.06	-4.26	21.15	38.45
	040.0	4255	Н	24.34	5.06	-4.26	25.14	38.45
Remark:	The RB	W,VBW	of SPA for	frequency	RBW=300 k	KHz, VBV	V=1MHz	
			Part	22				
	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	5	Pol.	Output	Gain	Loss	ERP	LIIIII
	MHz		V/H	dBm	dBd	dB	dBm	dBm
	826.4	4132	V	9.34	5.13	-4.18	10.29	38.45
	020.4	4102	Н	18.63	5.13	-4.19	19.57	38.45
HSDPA	836.6	4183	V	10.74	5.10	-4.22	11.62	38.45
Band V	000.0	+100	Н	19.28	5.10	-4.23	20.15	38.45
	846.6	4233	V	11.42	5.06	-4.26	12.22	38.45
			Н	17.97	5.06	-4.26	18.77	38.45
Remark:	The RB	W,VBW	of SPA for	frequency	RBW=300 k	(Hz, VBV	V=1MHz	
			Part	22				
	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	<u> </u>	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBd	dB	dBm	dBm
	826.4	4132	V	14.18	5.13	-4.18	15.13	38.45
	020.1	1102	Н	18.23	5.13	-4.19	19.17	38.45
HSUPA	836.6	4183	V	11.41	5.10	-4.22	12.29	38.45
Band V	000.0	1100	Н	18.74	5.10	-4.23	19.61	38.45
	846.6	4233	V	10.33	5.06	-4.26	11.13	38.45
			Н	17.94	5.06	-4.26	18.74	38.45
Remark:	The RB	W,VBW	of SPA for	frequency	RBW=300 k	(Hz, VBV	V=1MHz	

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	EUT				Measuren	nent		
Operation	Fundamental		Antenna	S.G.	Antenna	Cable		
Band	Frequency	СН	Pol.	Output	Gain	Loss	EIRP	Limit
	M Hz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1050.7	10007	V	16.74	9.57	-6.86	19.45	33.01
LTE	1850.7	18607	Н	19.88	9.57	-6.86	22.60	33.01
BAND 2	1000 0	10000	V	9.68	9.69	-6.91	12.46	33.01
BW: 1.4M	1880.0	18900	Н	20.27	9.70	-6.91	23.05	33.01
QPSK	1909.3	19193	V	7.94	9.82	-6.97	10.79	33.01
RB: 1,0	1909.3	19193	Н	21.07	9.82	-6.97	23.92	33.01
LTE	1850.7	18607	V	-0.52	9.57	-6.86	2.20	33.01
	1050.7	10007	Н	16.85	9.58	-6.86	19.57	33.01
BAND 2 BW: 1.4M QPSK	1880.0	18900	V	9.78	9.70	-6.91	12.56	33.01
			Н	18.52	9.70	-6.91	21.31	33.01
RB: 1,5	1909.3	19193	V	15.40	9.83	-6.97	18.25	33.01
ND. 1,5	1909.3	19193	Н	21.39	9.82	-6.97	24.24	33.01
LTE	1850.7	18607	V	-0.91	9.57	-6.86	1.80	33.01
BAND 2	1030.7	10007	Н	17.25	9.57	-6.86	19.97	33.01
BW: 1.4M	1880.0	18900	V	12.47	9.69	-6.91	15.25	33.01
16QAM	1000.0	10300	Н	18.84	9.70	-6.91	21.63	33.01
RB: 1,0	1909.3	19193	V	8.18	9.82	-6.97	11.04	33.01
ND. 1,0	1909.5	19195	Н	21.24	9.82	-6.97	24.09	33.01
LTE	1850.7	18607	V	14.05	9.58	-6.86	16.77	33.01
BAND 2	1030.7	10007	Н	17.29	9.58	-6.86	20.01	33.01
BW: 1.4M	1880.0	18900	V	9.98	9.70	-6.91	12.76	33.01
16QAM	1000.0	10300	Н	18.89	9.70	-6.91	21.67	33.01
RB: 1,5	1909.3	19193	V	16.93	9.82	-6.97	19.78	33.01
ND. 1,0	1303.0	10100	Н	21.48	9.82	-6.97	24.34	33.01
Remark:	( 1 )The R	BW,VBW	of SPA for fr	equency F	RBW= 8MH	z , VBW=	8MHz	

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	EUT				Measuren	nent		
Operation	Fundamental	OII.	Antenna	S.G.	Antenna	Cable	FIDD	1 !!4
Band	Frequency	СН	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1851.5	18615	V	-1.82	9.57	-6.86	0.89	33.01
BAND 2	1031.3	10013	Н	16.82	9.57	-6.86	19.53	33.01
BW: 3M	1880.0	18900	V	16.67	9.69	-6.91	19.45	33.01
QPSK	1000.0	10900	Н	18.55	9.69	-6.91	21.34	33.01
RB: 1,0	1908.5	19185	V	7.83	9.81	-6.96	10.68	33.01
ND. 1,0	1900.5	19103	Н	20.54	9.81	-6.96	23.39	33.01
LTE	1851.5	18615	V	1.20	9.58	-6.86	3.92	33.01
BAND 2	1001.0	10013	Н	16.70	9.58	-6.86	19.43	33.01
	1880.0	18900	V	9.67	9.70	-6.92	12.46	33.01
BW: 3M QPSK	1000.0	10900	Н	18.61	9.70	-6.92	21.39	33.01
RB: 1,14	1908.5	19185	V	7.25	9.82	-6.97	10.10	33.01
ND. 1,14	1900.5	19103	Н	21.09	9.82	-6.97	23.94	33.01
LTE	1851.5	18615	V	-1.69	9.58	-6.86	1.03	33.01
BAND 2	1031.3	10013	Н	17.16	9.57	-6.86	19.88	33.01
BW: 3M	1880.0	18900	V	9.46	9.69	-6.91	12.24	33.01
16QAM	1000.0	10900	Н	18.48	9.69	-6.91	21.26	33.01
RB: 1,0	1908.5	19185	V	8.16	9.81	-6.96	11.01	33.01
ND. 1,0	1900.5	19103	Н	20.65	9.81	-6.96	23.50	33.01
LTE	1851.5	18615	V	10.41	9.58	-6.86	13.14	33.01
BAND 2	1031.3	10013	Н	17.06	9.58	-6.86	19.78	33.01
BW: 3M	1880.0	18900	V	9.74	9.71	-6.92	12.52	33.01
16QAM	1000.0	10300	Н	18.84	9.70	-6.91	21.63	33.01
RB: 1,14	1908.5	19185	V	7.66	9.82	-6.97	10.52	33.01
IND. 1,14	1900.5	13100	Н	21.43	9.82	-6.97	24.28	33.01
Remark:	( 1 )The F	RBW,VBW	of SPA for f	requency l	RBW= 8MH	z, VBW=	8MHz	

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	EUT				Measurem	nent		
Operation	Fundamental	OII.	Antenna	S.G.	Antenna	Cable	FIDD	1 !!4
Band	Frequency	СН	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1852.5	18625	V	-1.71	9.57	-6.86	1.01	33.01
BAND 2	1002.0	10023	Н	16.54	9.57	-6.86	19.26	33.01
BW: 5M	1880.0	18900	V	9.21	9.69	-6.91	11.99	33.01
QPSK	1000.0	10900	Н	18.30	9.69	-6.91	21.08	33.01
RB: 1,0	1907.5	19175	V	8.12	9.80	-6.96	10.96	33.01
ND. 1,0	1907.5	19173	Н	19.86	9.80	-6.96	22.71	33.01
LTE	1852.5	18625	V	2.03	9.59	-6.86	4.76	33.01
	1032.3	10023	Н	16.40	9.59	-6.86	19.13	33.01
BAND 2 BW: 5M QPSK	1880.0	18900	V	9.17	9.70	-6.92	11.95	33.01
	1000.0	10900	Н	18.16	9.71	-6.92	20.95	33.01
	1907.5	19175	V	7.10	9.82	-6.97	9.96	33.01
RB: 1,24	1907.5	19173	Н	20.69	9.82	-6.97	23.54	33.01
LTE	1852.5	18625	V	-1.64	9.57	-6.86	1.08	33.01
BAND 2	1032.3	10023	Н	16.94	9.57	-6.86	19.65	33.01
BW: 5M	1880.0	18900	V	15.12	9.68	-6.91	17.90	33.01
16QAM	1000.0	10300	Н	18.43	9.69	-6.91	21.21	33.01
RB: 1,0	1907.5	19175	V	8.24	9.80	-6.96	11.09	33.01
110. 1,0	1907.5	13173	Н	20.02	9.81	-6.96	22.87	33.01
LTE	1852.5	18625	V	13.00	9.60	-6.87	15.72	33.01
BAND 2	1032.3	10023	Н	17.06	9.59	-6.86	19.79	33.01
BW: 5M	1880.0	18900	V	9.47	9.71	-6.92	12.26	33.01
16QAM	1000.0	10000	Н	18.71	9.71	-6.92	21.50	33.01
RB: 1,24	1907.5	19175 -	V	15.06	9.82	-6.97	17.91	33.01
110. 1,27	1507.5	13113	Н	21.20	9.82	-6.97	24.06	33.01
Remark:	(1)The R	BW, VBW	of SPA for f	requency l	RBW= 8MH	z, VBW=	8MHz	

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	FILT		I					
	EUT	T			Measuren			
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency		Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1855.0	18650	V	-1.19	9.58	-6.86	1.53	33.01
BAND 2	1000.0	10000	Н	16.56	9.57	-6.86	19.27	33.01
BW: 10M	1880.0	18900	V	14.03	9.68	-6.90	16.81	33.01
QPSK	1000.0	10300	Н	17.88	9.68	-6.90	20.65	33.01
RB: 1,0	1905.0	19150	V	6.97	9.78	-6.95	9.81	33.01
ND. 1,0	1300.0	19150	Н	18.83	9.78	-6.95	21.66	33.01
LTE	1855.0	18650	V	14.11	9.61	-6.87	16.84	33.01
BAND 2	1000.0	10000	Н	16.53	9.61	-6.87	19.27	33.01
BW: 10M	1880.0	18900	V	8.43	9.72	-6.92	11.22	33.01
	1000.0		Н	18.22	9.72	-6.92	21.02	33.01
QPSK RB: 1,49	1905.0	19150	V	11.31	9.82	-6.97	14.17	33.01
ND. 1,49	1900.0	19150	Н	20.74	9.82	-6.97	23.60	33.01
LTE	1855.0	18650	V	-0.72	9.58	-6.86	2.00	33.01
BAND 2	1000.0	10000	Н	17.39	9.57	-6.86	20.10	33.01
BW: 10M	1880.0	18900	V	15.90	9.68	-6.91	18.67	33.01
16QAM	1000.0	10300	Н	17.34	9.68	-6.91	20.12	33.01
RB: 1,0	1905.0	19150	V	7.18	9.78	-6.95	10.01	33.01
KD. 1,0	1905.0	19100	Н	18.91	9.78	-6.95	21.74	33.01
LTE	1855.0	18650	V	11.00	9.58	-6.86	13.72	33.01
BAND 2	1000.0	10050	Н	17.10	9.57	-6.86	19.82	33.01
BW: 10M	1880.0	18900	V	7.83	9.68	-6.90	10.61	33.01
	1000.0	10300	Н	17.17	9.68	-6.90	19.95	33.01
16QAM	1005.0	40450	V	16.92	9.78	-6.95	19.76	33.01
RB: 1,49	1905.0	19150	Н	18.88	9.79	-6.95	21.71	33.01
Remark:	(1)The R	BW,VBW	of SPA for f	requency f	RBW= 8MH	z , VBW=	8MHz	

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	EUT				Measurem	nent			
Operation	Fundamental	011	Antenna	S.G.	Antenna	Cable	FIDD	1	
Band	Frequency	СН	Pol.	Output	Gain	Loss	EIRP	Limit	
	M Hz		V/H	dBm	dBi	dB	dBm	dBm	
LTE	1857.5	18675	V	-1.10	9.57	-6.86	1.62	33.01	
BAND 2	1037.3	10073	Н	16.42	9.57	-6.86	19.14	33.01	
BW: 15M	1880.0	18900	V	10.42	9.67	-6.90	13.19	33.01	
QPSK	1000.0	10300	Н	17.11	9.67	-6.90	19.88	33.01	
RB: 1,0	1902.5	19125	V	3.57	9.76	-6.94	6.39	33.01	
ND. 1,0	1302.5	13123	Н	18.28	9.76	-6.94	21.10	33.01	
LTE	1857.5	18675	V	14.34	9.63	-6.88	17.09	33.01	
BAND 2	1037.3	10073	Н	16.01	9.63	-6.88	18.76	33.01	
BW: 15M	1880.0	18900	V	6.77	9.72	-6.92	9.57	33.01	
QPSK	1000.0	18900	Н	18.26	9.73	-6.93	21.06	33.01	
RB: 1,74	1902.5	19125	V	13.71	9.82	-6.97	16.56	33.01	
ND. 1,74	1302.5	13123	Н	20.65	9.82	-6.97	23.50	33.01	
LTE	1857.5	18675	V	-0.54	9.58	-6.86	2.18	33.01	
BAND 2	1037.3	10073	Н	16.88	9.58	-6.86	19.59	33.01	
BW: 15M	1880.0	18900	V	8.83	9.67	-6.90	11.60	33.01	
16QAM	1000.0	10300	Н	16.21	9.67	-6.90	18.98	33.01	
RB: 1,0	1902.5	19125	V	3.85	9.76	-6.94	6.67	33.01	
ND. 1,0	1302.3	19125	Н	18.39	9.76	-6.94	21.21	33.01	
LTE	1857.5	18675	V	10.48	9.63	-6.88	13.23	33.01	
BAND 2	1037.3	10073	Н	16.10	9.63	-6.88	18.85	33.01	
BW: 15M	1880.0	18900	V	7.14	9.73	-6.93	9.94	33.01	
16QAM	1000.0	10300	Н	18.59	9.73	-6.93	21.39	33.01	
RB: 1,74	1902.5	19125 -	V	11.96	9.82	-6.97	14.81	33.01	
1\D. 1,14	1302.3	19123	Н	20.97	9.82	-6.97	23.83	33.01	
Remark:	: (1)The RBW,VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz								

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	EUT				Measuren	nent			
Operation	Fundamental	OII	Antenna	S.G.	Antenna	Cable	FIDD	1 !!4	
Band	Frequency	CH	Pol.	Output	Gain	Loss	EIRP	Limit	
	M Hz		V/H	dBm	dBi	dB	dBm	dBm	
LTE	1860.0	18700	V	-1.09	9.57	-6.86	1.63	33.01	
BAND 2	1000.0	10700	Н	16.39	9.58	-6.86	19.11	33.01	
BW: 20M	1880.0	18900	V	15.19	9.66	-6.89	17.95	33.01	
QPSK	1000.0	10900	Н	16.60	9.66	-6.90	19.36	33.01	
RB: 1,0	1900.0	19100	V	2.63	9.75	-6.93	5.45	33.01	
ND. 1,0	1900.0	19100	Н	18.47	9.74	-6.93	21.28	33.01	
LTE	1860.0	18700	V	11.16	9.65	-6.89	13.92	33.01	
BAND 2	1000.0	10700	Н	16.22	9.65	-6.89	18.98	33.01	
BW: 20M	1880.0	18900	V	4.52	9.74	-6.93	7.33	33.01	
QPSK	1000.0		Н	18.19	9.74	-6.93	21.00	33.01	
RB: 1,99	1900.0	19100	V	7.27	9.82	-6.97	10.12	33.01	
ND. 1,33	1900.0	19100	Н	20.62	9.82	-6.97	23.47	33.01	
LTE	1860.0	18700	V	-0.82	9.58	-6.86	1.89	33.01	
BAND 2	1000.0	10700	Н	16.91	9.57	-6.86	19.63	33.01	
BW: 20M	1880.0	18900	V	13.16	9.66	-6.89	15.92	33.01	
16QAM	1000.0	10300	Н	16.25	9.66	-6.90	19.02	33.01	
RB: 1,0	1900.0	19100	V	3.10	9.74	-6.93	5.91	33.01	
1\D. 1,0	1300.0	13100	Н	18.94	9.74	-6.93	21.75	33.01	
LTE	1860.0	18700	V	6.26	9.65	-6.89	9.02	33.01	
BAND 2	1000.0	10700	Н	16.16	9.65	-6.89	18.92	33.01	
BW: 20M	1880.0	18900	V	4.98	9.73	-6.93	7.79	33.01	
16QAM	1000.0	10000	Н	18.71	9.74	-6.93	21.52	33.01	
RB: 1,99	1900.0	19100	V	16.33	9.82	-6.97	19.18	33.01	
ND. 1,33	1500.0	13100	Н	21.04	9.82	-6.97	23.89	33.01	
Remark:									

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	EUT				Measurem	nent		
Operation	Fundamental		Antenna	S.G.	Antenna	Cable		
Band	Frequency	CH	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE		40057	V	23.00	8.98	-6.58	25.40	30.00
LTE	1710.7	19957	Н	22.77	8.98	-6.58	25.17	30.00
BAND 4	4720 E	00475	V	21.82	9.07	-6.62	24.27	30.00
BW: 1.4M	1732.5	20175	Н	22.71	9.07	-6.62	25.16	30.00
QPSK	175/1 2	20202	V	20.76	9.17	-6.67	23.26	30.00
RB: 1,0	1754.3	20393	Н	21.60	9.16	-6.67	24.09	30.00
LTE	1710.7	19957	V	22.76	8.99	-6.58	25.17	30.00
BAND 4	1710.7	19901	Н	22.66	8.99	-6.58	25.07	30.00
BW: 1.4M	1732.5	20175	V	20.28	9.08	-6.63	22.73	30.00
QPSK	1732.3		Н	22.64	9.08	-6.63	25.09	30.00
RB: 1,5	1754.3	20393	V	20.59	9.17	-6.67	23.09	30.00
110. 1,0	1754.5	20090	Н	21.39	9.17	-6.67	23.89	30.00
LTE	1710.7	19957	V	22.52	8.98	-6.58	24.92	30.00
BAND 4	1710.7	19901	Н	22.39	8.98	-6.58	24.79	30.00
BW: 1.4M	1732.5	20175	V	20.81	9.07	-6.62	23.26	30.00
16QAM	1732.3	20173	Н	23.05	9.07	-6.62	25.50	30.00
RB: 1,0	1754.3	20393	V	20.27	9.17	-6.67	22.77	30.00
ND. 1,0	1704.0	20000	Н	21.14	9.17	-6.67	23.64	30.00
LTE	1710.7	19957	V	22.13	8.99	-6.58	24.54	30.00
	1710.7	19901	Н	22.24	8.99	-6.58	24.65	30.00
BAND 4 - BW: 1.4M 16QAM - RB: 1,5	1732.5	20175	V	20.90	9.08	-6.63	23.35	30.00
	1102.0	20110	Н	23.16	9.08	-6.63	25.61	30.00
	1754.3	20393	V	20.28	9.17	-6.67	22.78	30.00
I\υ. 1,0	1704.0	20000	Н	20.89	9.17	-6.67	23.39	30.00
Remark:	(1)The	RBW,VB	W of SPA fo	r frequency	RBW= 8M	Hz , VBW	/= 8MHz	

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	EUT			1	Measurem		1	
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1711.5	19965	V	22.55	8.98	-6.58	24.95	30.00
BAND 4	1711.0	13300	Н	22.65	8.98	-6.58	25.05	30.00
BW: 3M	1732.5	20175	V	20.62	9.07	-6.62	23.07	30.00
QPSK	1702.0	20173	Н	22.28	9.07	-6.62	24.73	30.00
RB: 1,0	1753.5	20385	V	21.55	9.16	-6.67	24.04	30.00
170. 1,0	1755.5	20303	Н	22.04	9.16	-6.66	24.54	30.00
LTE	1711.5	10065	V	22.38	8.99	-6.59	24.78	30.00
BAND 4	1711.5	19900	Н	22.46	8.99	-6.58	24.87	30.00
BW: 3M QPSK	1732.5	20175	V	20.64	9.08	-6.63	23.09	30.00
	1732.3		Н	22.62	9.08	-6.63	25.07	30.00
	1753.5	20205	V	20.71	9.17	-6.67	23.21	30.00
RB: 1,14	1733.3	20300	Н	21.66	9.17	-6.67	24.16	30.00
I TE	1711 5	10065	V	22.17	8.98	-6.58	24.57	30.00
LTE	1711.5	19900	Н	22.15	8.98	-6.58	24.55	30.00
BAND 4	1720 E	20175	V	20.89	9.07	-6.62	23.34	30.00
BW: 3M	1732.5	20175	Н	22.93	9.07	-6.62	25.38	30.00
16QAM	47F2 F	20205	V	20.31	9.16	-6.66	22.81	30.00
RB: 1,0	1753.5	20385	Н	21.29	9.16	-6.66	23.79	30.00
LTE	4744 E	10005	V	21.87	8.99	-6.59	24.27	30.00
LTE	1711.5	19905	V         22.38         8.99         -6.59           H         22.46         8.99         -6.58           20175         V         20.64         9.08         -6.63           H         22.62         9.08         -6.63           20385         V         20.71         9.17         -6.67           19965         V         22.17         8.98         -6.58           19965         V         22.15         8.98         -6.58           20175         V         20.89         9.07         -6.62           20385         V         20.31         9.16         -6.66           19965         V         21.87         8.99         -6.59           H         21.95         8.99         -6.58           20175         V         21.10         9.08         -6.63	24.36	30.00			
BAND 4	4720 F	00475	V	21.10	9.08	-6.63	23.55	30.00
BW: 3M	1732.5	201/5	Н	23.22	9.08	-6.63	25.67	30.00
16QAM	4750 5	V	20.41	9.17	-6.67	22.91	30.00	
RB: 1,14	1753.5	20385	Н	21.34	9.17	-6.67	23.84	30.00
Remark:	(1)The	RBW,VB	W of SPA fo	r frequency	RBW= 8M	Hz , VBW	/= 8MHz	

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	FUT				Моссином			
Operation	EUT	l	Antonno	0.0	Measurem	I		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency		Pol.	Output	Gain	Loss	-ID	-ID
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1712.5	19975	V	14.63	8.98	-6.58	17.03	30.00
BAND 4			Н	25.27	8.98	-6.58	27.67	30.00
BW: 5M	1732.5	20175	V	17.43	9.07	-6.62	19.88	30.00
QPSK			Н	24.34	9.07	-6.62	26.79	30.00
RB: 1,0	1752.5	20375	V	17.45	9.15	-6.66	19.94	30.00
, .		200.0	Н	24.07	9.15	-6.66	26.56	30.00
LTE	1712.5	19975	V	17.64	9.00	-6.59	20.05	30.00
BAND 4	17 12.0	10070	Н	25.12	9.00	-6.59	27.53	30.00
BW: 5M QPSK	1732.5	20175	V	17.74	9.09	-6.63	20.20	30.00
	1702.0		Н	24.58	9.09	-6.63	27.04	30.00
RB: 1,24	1752.5	20375	V	16.76	9.17	-6.67	19.26	30.00
ND. 1,24	1752.5	20010	Н	23.43	9.17	-6.67	25.93	30.00
LTE	1712.5	19975	V	17.47	8.98	-6.58	19.87	30.00
BAND 4	1712.5	19913	Н	24.77	8.98	-6.58	27.17	30.00
BW: 5M	1732.5	20175	V	18.03	9.07	-6.62	20.48	30.00
16QAM	1732.3	20173	Н	24.94	9.07	-6.62	27.39	30.00
RB: 1,0	1752.5	20375	V	16.95	9.15	-6.66	19.44	30.00
KD. 1,0	1752.5	20373	Н	23.56	9.15	-6.66	26.05	30.00
LTE	1710 5	10075	V	17.12	9.00	-6.59	19.53	30.00
LTE	1712.5	19975	Н	24.62	9.00	-6.59	27.03	30.00
BAND 4	1720 E	20475	V	18.10	9.08	-6.63	20.55	30.00
BW: 5M	1732.5	20175	Н	25.21	9.09	-6.63	27.67	30.00
16QAM	4750.5	00075	V	16.38	9.17	-6.67	18.88	30.00
RB: 1,24	1752.5	20375	Н	23.09	9.17	-6.67	25.59	30.00
Remark:	(1)The	RBW,VB	W of SPA fo	r frequency	RBW= 8M	Hz , VBW	/= 8MHz	

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	FILE				1.5			
	EUT				Measurem			
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	<u> </u>	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1715.0	20000	V	17.88	8.98	-6.58	20.28	30.00
BAND 4	1710.0	20000	Н	24.72	8.98	-6.58	27.12	30.00
BW: 10M	1732.0	20175	V	17.38	9.06	-6.62	19.82	30.00
QPSK	1702.0	20170	Н	24.03	9.06	-6.62	26.47	30.00
RB: 1,0	1750.0	20350	V	18.16	9.13	-6.65	20.64	30.00
ND. 1,0	1750.0	20000	Н	24.14	9.13	-6.65	26.62	30.00
LTE	1715.0	20000	V	17.21	9.02	-6.60	19.63	30.00
BAND 4	1713.0	20000	Н	24.80	9.02	-6.60	27.22	30.00
BW: 10M QPSK	1732.0	20175	V	18.12	9.09	-6.63	20.58	30.00
	1732.0	20173	Н	24.30	9.09	-6.63	26.76	30.00
RB: 1,49	1750.0	20350	V	17.01	9.17	-6.67	19.51	30.00
11D. 1,43	1750.0	20330	Н	23.11	9.17	-6.67	25.61	30.00
LTE	1715.0	20000	V	17.61	8.98	-6.58	20.01	30.00
BAND 4	1713.0	20000	Н	24.34	8.98	-6.58	26.74	30.00
BW: 10M	1732.0	20175	V	18.06	9.06	-6.62	20.50	30.00
16QAM	1752.0	20173	Н	24.74	9.06	-6.62	27.18	30.00
RB: 1,0	1750.0	20350	V	17.71	9.13	-6.65	20.19	30.00
ND. 1,0	1750.0	20330	Н	23.81	9.13	-6.65	26.29	30.00
LTE	1715.0	20000	V	16.85	9.02	-6.60	19.27	30.00
	1713.0	20000	Н	24.72	9.02	-6.60	27.14	30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00
BAND 4 BW: 10M	1732.0	20175	V	18.73	9.09	-6.63	21.19	30.00
	1732.0	20173	Н	24.93	9.10	-6.63	27.40	30.00
16QAM	1750.0	20350	V	16.56	9.17	-6.67	19.06	30.00
RB: 1,49	1750.0	20350	Н	22.90	9.17	-6.67	25.40	30.00
Remark:	(1)The	RBW,VB	W of SPA fo	r frequency	RBW= 8M	Hz , VBW	/= 8MHz	

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_	EUT	T		T	Measurem		Γ	
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	<b>U</b>	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1717.5	20025	V	17.73	8.98	-6.58	20.13	30.00
BAND 4	1717.5	20023	Н	24.94	8.99	-6.58	27.35	30.00
BW: 15M	1732.5	20175	V	16.93	9.05	-6.61	19.37	30.00
QPSK	1752.5	20173	Н	24.18	9.05	-6.61	26.62	30.00
	1747.5	20325	V	17.93	9.11	-6.64	20.40	30.00
RB: 1,0	1747.5	20323	Н	24.36	9.11	-6.64	26.83	30.00
LTE	1717.5	20025	V	17.17	9.04	-6.61	19.60	30.00
BAND 4	1717.5	20025	Н	24.51	9.04	-6.61	26.94	30.00
BW: 15M QPSK	1732.5	20175	V	17.80	9.10	-6.64	20.26	30.00
	1732.3		Н	24.43	9.11	-6.64	26.90	30.00
	1747.5	20225	V	16.95	9.17	-6.67	19.45	30.00
RB: 1,74	1747.5	20325	Н	23.22	9.17	-6.67	25.72	30.00
I TE	1717 5	20025	V	17.41	8.98	-6.58	19.81	30.00
LTE	1717.5	20025	Н	24.49	8.99	-6.58	26.90	30.00
BAND 4	1720 E	20175	V	17.35	9.05	-6.61	19.79	30.00
BW: 15M	1732.5	20175	Н	24.49	9.05	-6.61	26.93	30.00
16QAM	4747 E	20225	V	18.15	9.11	-6.64	20.62	30.00
RB: 1,0	1747.5	20325	Н	24.36	9.11	-6.64	26.83	30.00
LTE	4747 E	20025	V	17.11	9.04	-6.61	19.54	30.00
LTE	1717.5	20025	Н	24.76	9.04	-6.61	27.19	30.00
BAND 4	4720 E	20475	V	17.96	9.11	-6.64	20.43	30.00
BW: 15M	1732.5	20175	Н	24.52	9.10	-6.64	26.98	30.00
16QAM	4747 -	20205	V	16.52	9.17	-6.67	19.02	30.00
RB: 1,74	1747.5	20325	Н	22.86	9.17	-6.67	25.36	30.00
Remark:	(1)The	RBW,VB	W of SPA fo	r frequency	RBW= 8M	Hz , VBW	/= 8MHz	

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	EUT			1	Measurem		1	
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1720.0	20050	V	18.18	8.99	-6.58	20.59	30.00
BAND 4	1720.0	20000	Н	25.13	8.99	-6.58	27.54	30.00
BW: 20M	1732.5	20175	V	17.53	9.04	-6.61	19.96	30.00
QPSK	1732.3	20173	Н	24.45	9.04	-6.61	26.88	30.00
RB: 1,0	1745.0	20300	V	17.88	9.09	-6.63	20.34	30.00
ND. 1,0	1745.0	20300	Н	24.50	9.09	-6.63	26.96	30.00
LTE	1720.0	20050	V	17.48	9.06	-6.62	19.92	30.00
BAND 4	1720.0	20030	Н	24.02	9.06	-6.62	26.46	30.00
BW: 20M QPSK	1732.5	20175	V	18.35	9.11	-6.64	20.82	30.00
	1732.3	20173	Н	24.55	9.11	-6.64	27.02	30.00
	1745.0	20300	V	17.42	9.17	-6.67	19.92	30.00
RB: 1,99	1745.0	20300	Н	23.32	9.17	-6.67	25.82	30.00
LTE	1720.0	20050	V	17.79	8.99	-6.58	20.20	30.00
	1720.0	20030	Н	24.55	8.99	-6.58	26.96	30.00
BAND 4 BW: 20M	1732.5	20175	V	17.80	9.04	-6.61	20.23	30.00
	1732.3	20175	Н	24.76	9.04	-6.61	27.19	30.00
16QAM	1745 0	20200	V	18.62	9.09	-6.63	21.08	30.00
RB: 1,0	1745.0	20300	Н	25.33	9.09	-6.63	27.79	30.00
I TF	1700.0	20050	V	17.91	9.06	-6.62	20.35	30.00
LTE	1720.0	20050	Н	24.50	9.06	-6.62	26.94	30.00
BAND 4	1720 5	20175	V	18.33	9.11	-6.64	20.80	30.00
BW: 20M 16QAM RB: 1,99	1732.5	20175	Н	24.71	9.11	-6.64	27.18	30.00
	4745.0	20200	V	17.03	9.17	-6.67	19.53	30.00
	1745.0	20300	Н	23.19	9.17	-6.67	25.69	30.00
Remark:	(1)The	RBW,VB	W of SPA fo	r frequency	/ RBW= 8M	Hz , VBW	/= 8MHz	

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Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
ITE	004.7	20407	V	21.34	5.14	-4.18	22.30	38.45
LTE	824.7	20407	Н	25.49	5.14	-4.18	26.45	38.45
BAND 5 BW: 1.4M	836.5	20525	V	23.42	5.10	-4.22	24.30	38.45
QPSK	030.5	20020	Н	26.51	5.10	-4.22	27.39	38.45
	848.3	20643	V	23.91	5.06	-4.26	24.71	38.45
RB: 1,0	040.3	20043	Н	26.57	5.06	-4.26	27.37	38.45
LTE	824.7	20407	V	21.98	5.13	-4.18	22.93	38.45
	024.7	20407	Н	25.07	5.14	-4.18	26.03	38.45
BAND 5	836.5	20525	V	23.28	5.10	-4.22	24.16	38.45
BW: 1.4M QPSK	000.0	20020	Τ	26.33	5.09	-4.23	27.19	38.45
RB: 1,5	848.3	20643	V	23.60	5.05	-4.27	24.38	38.45
ND. 1,3	040.3	20043	Н	26.21	5.06	-4.26	27.01	38.45
LTE	824.7	20407	V	20.90	5.14	-4.18	21.86	38.45
BAND 5	024.7	20407	Н	24.86	5.14	-4.18	25.82	38.45
BW: 1.4M	836.5	20525	V	24.08	5.10	-4.22	24.96	38.45
16QAM	030.3	20020	Н	26.85	5.10	-4.22	27.73	38.45
RB: 1,0	848.3	20643	V	23.98	5.06	-4.26	24.78	38.45
110. 1,0	040.3	20043	Н	26.66	5.06	-4.26	27.46	38.45
LTE	824.7	20407	V	20.76	5.13	-4.18	21.71	38.45
BAND 5	024.7	20407	Н	24.65	5.14	-4.18	25.61	38.45
	836.5	20525	V	24.04	5.10	-4.23	24.91	38.45
BW: 1.4M 16QAM	030.3	20020	Н	26.85	5.09	-4.23	27.71	38.45
RB: 1,5	848.3	20643	V	24.14	5.06	-4.27	24.93	38.45
ND. 1,3	040.3	20043	Н	26.77	5.06	-4.27	27.56	38.45

vitor trequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Magauram	ont.		
Operation	Fundamental		Antenna	S.G.	Measurem		I	
Operation		CH			Antenna	Cable	ERP	Limit
Band	Frequency		Pol.	Output	Gain	Loss	dD.	dD.
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	825.5	20415	V	22.55	5.14	-4.18	23.51	38.45
BAND 5			Н	25.73	5.14	-4.17	26.70	38.45
BW: 3M	836.5	20525	V	23.58	5.10	-4.22	24.46	38.45
QPSK			Н	26.75	5.10	-4.22	27.63	38.45
RB: 1,0	847.5	20635	V	22.12	5.06	-4.26	22.92	38.45
110. 1,0	011.0	2000	Н	24.80	5.06	-4.26	25.60	38.45
LTE	825.5	20415	V	22.25	5.13	-4.18	23.20	38.45
BAND 5	020.0	20110	Н	25.25	5.13	-4.18	26.20	38.45
BW: 3M QPSK	836.5	20525	V	23.56	5.09	-4.23	24.42	38.45
	000.0		Н	26.59	5.09	-4.23	27.45	38.45
	847.5	20635	V	23.57	5.06	-4.26	24.37	38.45
RB: 1,14	047.5	20033	Н	26.21	5.06	-4.26	27.01	38.45
LTE	925 5	20415	V	22.63	5.14	-4.18	23.59	38.45
	825.5	20413	Н	26.28	5.14	-4.17	27.25	38.45
BAND 5	020 5	20525	V	23.84	5.10	-4.22	24.72	38.45
BW: 3M	836.5	20525	Н	27.26	5.10	-4.22	28.14	38.45
16QAM	0.47. 5	20025	V	22.07	5.06	-4.26	22.87	38.45
RB: 1,0	847.5	20635	Н	24.82	5.07	-4.26	25.63	38.45
1 TC	005.5	00445	V	21.73	5.13	-4.19	22.67	38.45
LTE	825.5	20415	Н	26.11	5.14	-4.18	27.07	38.45
BAND 5	020.5	00505	V	23.93	5.09	-4.23	24.79	38.45
BW: 3M	836.5	20525	Н	27.09	5.09	-4.23	27.95	38.45
16QAM		00007	V	23.93	5.06	-4.27	24.72	38.45
RB: 1,14	847.5	20635	Н	26.63	5.06	-4.26	27.43	38.45
Remark:	for frequency R	RBW= 8N	1Hz , VBW=	= 8MHz				

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	EUT				Measurem		1	ī
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	826.5	20425	V	22.13	5.14	-4.18	23.09	38.45
BAND 5	020.0	20720	Н	25.41	5.14	-4.18	26.37	38.45
BW: 5M	836.5	20525	V	23.82	5.10	-4.22	24.70	38.45
QPSK	030.3	20020	Η	26.77	5.10	-4.22	27.65	38.45
	846.5	20625	V	21.31	5.07	-4.25	22.13	38.45
RB: 1,0	040.5	20023	Н	24.04	5.07	-4.25	24.86	38.45
LTE	826.5	20425	V	22.12	5.12	-4.20	23.04	38.45
	020.5	20423	Н	25.16	5.12	-4.20	26.08	38.45
BAND 5 BW: 5M QPSK	026 5	20525	V	23.45	5.09	-4.23	24.31	38.45
	836.5		Н	26.46	5.09	-4.23	27.32	38.45
	016 5	20625	V	23.47	5.06	-4.26	24.27	38.45
RB: 1,24	846.5	20625	Н	26.12	5.06	-4.27	26.91	38.45
I TE	996 5	20425	V	21.86	5.14	-4.18	22.82	38.45
LTE	826.5	20425	Н	24.95	5.14	-4.18	25.91	38.45
BAND 5	926 5	20525	V	24.40	5.10	-4.22	25.28	38.45
BW: 5M	836.5	20525	Н	27.38	5.10	-4.22	28.26	38.45
16QAM	046 5	20625	V	21.20	5.07	-4.25	22.02	38.45
RB: 1,0	846.5	20625	Н	24.01	5.07	-4.25	24.83	38.45
LTE	996 5	20425	V	21.81	5.12	-4.19	22.74	38.45
LTE	826.5	20425	Н	24.89	5.12	-4.20	25.81	38.45
BAND 5	926 E	20525	V	24.01	5.09	-4.23	24.87	38.45
BW: 5M	836.5	20525	Н	26.93	5.09	-4.23	27.79	38.45
16QAM		20005	V	24.02	5.06	-4.26	24.82	38.45
RB: 1,24	846.5	20625	Н	26.73	5.06	-4.26	27.53	38.45
Remark:	for frequency R	BW= 8N	1Hz , VBW=	8MHz			•	

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	FUT				M	4				
• "	EUT	Ι	<b>A</b> 4	0.0	Measurem		I	Ι		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit		
Band	Frequency		Pol.	Output	Gain	Loss				
	MHz		V/H	dBm	dBd	dB	dBm	dBm		
LTE	829.0	20450	V	22.13	5.14	-4.18	23.09	38.45		
BAND 5	020.0	20100	Н	25.38	5.14	-4.18	26.34	38.45		
BW: 10M	836.5	20525	V	23.57	5.11	-4.21	24.47	38.45		
QPSK	000.0	20020	Н	26.58	5.11	-4.21	27.48	38.45		
RB: 1,0	844.0	20600	V	23.47	5.09	-4.24	24.32	38.45		
ועט. ו,ט	044.0	20000	Τ	26.43	5.09	-4.24	27.28	38.45		
LTE	829.0	20450	V	24.27	5.11	-4.21	25.17	38.45		
BAND 5	029.0	20430	Н	26.81	5.11	-4.21	27.71	38.45		
	926 E	20525	V	22.69	5.08	-4.24	23.53	38.45		
BW: 10M QPSK	836.5	20525	Н	25.57	5.08	-4.24	26.41	38.45		
	044.0	20600	V	23.80	5.06	-4.26	24.60	38.45		
RB: 1,49	844.0	20600	Н	26.18	5.06	-4.26	26.98	38.45		
I TE	920.0	20450	V	21.74	5.14	-4.18	22.70	38.45		
LTE	829.0	20450	Н	24.97	5.14	-4.18	25.93	38.45		
BAND 5	020.5	00505	V	23.51	5.11	-4.21	24.41	38.45		
BW: 10M	836.5	20525	Н	26.57	5.11	-4.21	27.47	38.45		
16QAM	044.0	00000	V	23.51	5.09	-4.24	24.36	38.45		
RB: 1,0	844.0	20600	Н	26.45	5.09	-4.24	27.30	38.45		
	000.0	00450	V	24.27	5.11	-4.21	25.17	38.45		
LTE	829.0	20450	Н	27.29	5.11	-4.21	28.19	38.45		
BAND 5 BW: 10M 16QAM RB: 1,49	000.5	00505	V	22.64	5.08	-4.24	23.48	38.45		
	836.5	20525	Н	25.50	5.08	-4.24	26.34	38.45		
		00000	V	24.28	5.06	-4.26	25.08	38.45		
	844.0	20600	Н	26.66	5.06	-4.26	27.46	38.45		
Remark:										

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FUT	<u> </u>				M	1				
EUT			A 4	0.0	Measurem					
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit		
Band	Frequency		Pol.	Output	Gain	Loss				
	MHz		V/H	dBm	dBi	dB	dBm	dBm		
LTE	2502.5	20775	V	17.92	10.70	-7.83	20.79	33.01		
BAND 7			Н	20.89	10.70	-7.83	23.76	33.01		
BW: 5M	2535.0	21100	V	15.29	10.74	-7.87	18.16	33.01		
QPSK	2000.0	21100	Н	19.86	10.74	-7.87	22.73	33.01		
RB: 1,0	2567.5	21425	V	14.23	10.78	-7.90	17.11	33.01		
110. 1,0	2007.0	21720	Н	19.64	10.78	-7.90	22.52	33.01		
LTE	2502.5	20775	V	18.20	10.71	-7.83	21.08	33.01		
BAND 7	2502.5	20113	Н	21.13	10.71	-7.84	24.00	33.01		
BW: 5M		21100	V	15.57	10.75	-7.87	18.45	33.01		
QPSK —	2555.0	21100	Н	19.62	10.74	-7.87	22.49	33.01		
RB: 1,24	2567.5	21425	V	14.36	10.78	-7.91	17.23	33.01		
ND. 1,24	2307.3	21423	Н	19.73	10.78	-7.91	22.60	33.01		
LTE	2502.5	20775	V	17.79	10.70	-7.83	20.66	33.01		
BAND 7	2502.5	20773	Н	20.69	10.70	-7.83	23.56	33.01		
BW: 5M	2525.0	21100	V	15.72	10.74	-7.87	18.59	33.01		
	2535.0	21100	Н	20.07	10.74	-7.87	22.94	33.01		
16QAM	2567.5	24425	V	14.22	10.78	-7.90	17.10	33.01		
RB: 1,0	2567.5	21425	Н	19.43	10.78	-7.90	22.31	33.01		
LTC	2502.5	20775	V	18.40	10.71	-7.84	21.27	33.01		
LTE	2502.5	20775	Н	21.14	10.71	-7.84	24.01	33.01		
BAND 7 BW: 5M 2535.0	24400	V	15.75	10.74	-7.87	18.62	33.01			
		21100	Н	19.77	10.74	-7.87	22.64	33.01		
16QAM RB: 1,24 2567.5	0567.5	04.405	V	14.07	10.78	-7.91	16.94	33.01		
	21425	Н	19.47	10.78	-7.91	22.34	33.01			
Remark: A for frequency RBW= 8MHz, VBW= 8MHz										

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FUT	T				Magauram	- m1				
EUT	Fundamental		Antonno	S C	Measurem					
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit		
Band	Frequency		Pol.	Output	Gain	Loss	dD <sub>100</sub>	dDm		
	MHz		V/H	dBm	dBi	dB	dBm	dBm		
LTE	2505.0	20800	V	17.41	10.70	-7.83	20.28	33.01		
BAND 7			H	20.86	10.70	-7.83	23.73	33.01		
BW: 10M	2535.0	21100	V	15.21	10.74	-7.86	18.09	33.01		
QPSK			Н	20.12	10.74	-7.86	23.00	33.01		
RB: 1,0	2565.0	21400	V	13.61	10.77	-7.90	16.48	33.01		
, -			Н	19.63	10.77	-7.90	22.50	33.01		
LTE	2505.0	20800	V	17.61	10.71	-7.84	20.48	33.01		
BAND 7	2000.0	20000	Н	20.73	10.71	-7.84	23.60	33.01		
BW: 10M	2535.0	21100	V	15.35	10.75	-7.87	18.23	33.01		
QPSK —	2000.0	21100	Н	19.84	10.75	-7.87	22.72	33.01		
RB: 1,49	2565.0	21400	V	13.88	10.78	-7.91	16.75	33.01		
ND. 1,49	2303.0	21400	Н	19.64	10.78	-7.91	22.51	33.01		
LTC	2505.0	20000	V	17.35	10.70	-7.83	20.22	33.01		
LTE	2505.0	20800	Н	20.53	10.70	-7.83	23.40	33.01		
BAND 7	2525.0	21100	V	15.26	10.74	-7.86	18.14	33.01		
BW: 10M	2535.0	21100	Н	20.16	10.74	-7.86	23.04	33.01		
16QAM	0505.0	04.400	V	13.81	10.77	-7.90	16.68	33.01		
RB: 1,0	2565.0	21400	Н	19.66	10.77	-7.90	22.53	33.01		
1 TF	0505.0	00000	V	18.68	10.71	-7.84	21.55	33.01		
LTE	2505.0	20800	Н	21.39	10.71	-7.84	24.26	33.01		
BAND 7 BW: 10M 2535.0	04400	V	15.83	10.75	-7.87	18.71	33.01			
	2535.0	21100	Н	20.28	10.75	-7.87	23.16	33.01		
16QAM RB: 1,49	0.50-0	04400	V	13.87	10.78	-7.91	16.74	33.01		
	2565.0	21400	H	19.59	10.78	-7.91	22.46	33.01		
Remark:										

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EUT					Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	СП	Pol.	Output	Gain	Loss	LIKP	LIIIII
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2507.5	20825	V	17.79	10.70	-7.83	20.66	33.01
BAND 7	2507.5	20023	Ή	20.47	10.70	-7.83	23.34	33.01
BW: 15M	2535.0	21100	V	15.53	10.73	-7.86	18.40	33.01
QPSK	2555.0	21100	Н	19.87	10.73	-7.86	22.74	33.01
	2562.5	21375	V	14.14	10.77	-7.89	17.02	33.01
RB: 1,0	2502.5	21373	Н	19.07	10.77	-7.89	21.95	33.01
I TE	2507.5	20825	V	17.41	10.72	-7.85	20.28	33.01
LTE	2507.5	20023	Н	20.40	10.72	-7.85	23.27	33.01
BAND 7	2525.0	21100	V	15.55	10.75	-7.88	18.42	33.01
BW: 15M QPSK	2535.0	21100	Н	19.49	10.75	-7.88	22.36	33.01
QPSK -	2562.5	01275	V	14.19	10.78	-7.91	17.06	33.01
RB: 1,74	2562.5	21375	Н	19.51	10.78	-7.91	22.38	33.01
I TE	2507.5	20025	V	17.59	10.70	-7.83	20.46	33.01
LTE	2507.5	20825	Н	20.81	10.70	-7.83	23.68	33.01
BAND 7	2525.0	21100	V	15.62	10.73	-7.86	18.49	33.01
BW: 15M	2535.0	21100	Н	20.29	10.73	-7.86	23.16	33.01
16QAM RB: 1,0	2562.5	21275	V	14.74	10.77	-7.89	17.62	33.01
KD. 1,U	2562.5	21375	Н	19.92	10.77	-7.89	22.80	33.01
LTE	2507.5	20825	V	17.90	10.72	-7.85	20.77	33.01
	2507.5	20023	Н	20.99	10.72	-7.85	23.86	33.01
BAND 7 BW: 15M 16QAM RB: 1,74	2525.0	21100	V	15.80	10.75	-7.88	18.67	33.01
	2535.0	21100	Н	19.86	10.75	-7.88	22.73	33.01
	0500 5	04075	V	14.11	10.78	-7.91	16.98	33.01
	2562.5	21375	Н	19.49	10.78	-7.91	22.36	33.01

remark · A IOI ITEQUELICY ROVV- OIVINZ , VOVV OIVII IZ

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EUT					Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	СП	Pol.	Output	Gain	Loss	LIKP	LIIIII
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2510.0	20850	V	17.77	10.70	-7.83	20.64	33.01
BAND 7	2510.0	20030	Ή	21.06	10.70	-7.83	23.93	33.01
BW: 20M	2535.0	21100	V	15.73	10.73	-7.86	18.60	33.01
QPSK	2555.0	21100	Н	20.71	10.73	-7.86	23.58	33.01
	2560.0	21350	V	14.23	10.76	-7.89	17.10	33.01
RB: 1,0	2500.0	21330	Н	19.55	10.76	-7.89	22.42	33.01
I TE	2510.0	20050	V	16.18	10.72	-7.85	19.05	33.01
LTE BAND 7	2510.0	20850	Н	21.25	10.72	-7.85	24.12	33.01
BW: 20M QPSK	2525.0	21100	V	15.28	10.75	-7.88	18.15	33.01
	2535.0	21100	Н	19.71	10.75	-7.88	22.58	33.01
	2560.0	21250	V	14.27	10.78	-7.91	17.14	33.01
RB: 1,99	2560.0	21350	Н	19.71	10.78	-7.91	22.58	33.01
LTE	2510.0	20850	V	17.73	10.70	-7.83	20.60	33.01
BAND 7	2510.0	20000	Н	20.83	10.70	-7.83	23.70	33.01
BW: 20M	2535.0	21100	V	15.64	10.73	-7.86	18.51	33.01
16QAM	2555.0	21100	Н	20.71	10.73	-7.86	23.58	33.01
RB: 1,0	2560.0	21350	٧	14.81	10.76	-7.89	17.68	33.01
KD. 1,0	2500.0	21330	Η	20.21	10.76	-7.89	23.08	33.01
LTE	2510.0	20850	V	16.25	10.72	-7.85	19.12	33.01
	2310.0	20000	Н	21.16	10.72	-7.85	24.03	33.01
BAND 7 BW: 20M 16QAM RB: 1,99	2535.0	21100	V	15.85	10.75	-7.88	18.72	33.01
	2000.0	21100	Н	20.33	10.75	-7.88	23.20	33.01
	2560.0	21250	V	14.08	10.78	-7.91	16.95	33.01
	2000.0	560.0 21350	Н	19.49	10.78	-7.91	22.36	33.01

remark · A lor frequency RDW-· 01/11/1/2 , VIDVV OIVII IZ

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	EUT				Measuren	nent		
Operation	Fundamental	CI	Antenna	S.G.	Antenna	Cable	EDD	l imit
Band	Frequency	СН	Pol.	Output	Gain	Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	600.7	22017	V	19.65	5.06	-3.82	20.89	34.77
LTE	699.7	23017	Н	18.40	5.05	-3.82	19.63	34.77
BAND 12	707.5	22005	V	20.86	5.07	-3.84	22.09	34.77
BW: 1.4M QPSK	707.5	23095	Н	20.42	5.07	-3.84	21.65	34.77
RB: 1,0	715.3	23173	V	21.59	5.09	-3.87	22.81	34.77
KD. 1,0	110.0	23173	Н	22.19	5.09	-3.87	23.41	34.77
LTE	699.7	23017	V	20.05	5.06	-3.82	21.29	34.77
BAND 12	099.7	23017	Н	18.95	5.06	-3.82	20.19	34.77
BW: 1.4M QPSK	707.5	23095	V	20.72	5.08	-3.85	21.95	34.77
	101.5		Н	20.32	5.08	-3.84	21.56	34.77
	715.3	22472	V	21.63	5.09	-3.87	22.85	34.77
RB: 1,5		23173	Н	22.17	5.09	-3.87	23.39	34.77
I TE	600.7	22017	V	19.67	5.05	-3.82	20.90	34.77
LTE	699.7	23017	Н	18.42	5.05	-3.82	19.65	34.77
BAND 12	707.5	23095	V	21.03	5.07	-3.84	22.26	34.77
BW: 1.4M	107.5	23093	Н	20.64	5.07	-3.84	21.87	34.77
16QAM	715.2	23173	V	21.67	5.09	-3.86	22.90	34.77
RB: 1,0	715.3	23173	Н	22.29	5.09	-3.86	23.52	34.77
I TE	600.7	22017	V	20.07	5.06	-3.82	21.31	34.77
LTE	699.7	23017	Н	18.87	5.05	-3.82	20.10	34.77
BAND 12	707.5	23005	V	20.90	5.08	-3.84	22.14	34.77
BW: 1.4M	707.5	23095	Н	20.65	5.08	-3.84	21.89	34.77
16QAM	715.2	22472	V	22.31	5.09	-3.87	23.53	34.77
RB: 1,5	715.3	23173	Н	22.97	5.09	-3.87	24.19	34.77

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	nent		
Operation	Fundamental	CII	Antenna	S.G.	Antenna	Cable	EDD	Limit
Band	Frequency	СН	Pol.	Output	Gain	Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	700.5	23025	V	20.07	5.06	-3.82	21.31	34.77
BAND 12	700.5	23023	Н	18.91	5.05	-3.82	20.14	34.77
BW: 3M	707.5	23095	V	21.36	5.07	-3.84	22.59	34.77
QPSK	101.3	23093	Н	20.66	5.07	-3.84	21.89	34.77
RB: 1,0	714.5	23165	V	22.01	5.09	-3.86	23.24	34.77
110. 1,0	7 14.5	23103	Н	20.84	5.09	-3.86	22.07	34.77
LTE	700.5	23025	V	21.35	5.06	-3.83	22.58	34.77
BAND 12	700.5	23023	Н	20.21	5.06	-3.82	21.45	34.77
BW: 3M QPSK	707.5	23095	V	21.05	5.08	-3.85	22.28	34.77
	101.0		Н	20.67	5.08	-3.85	21.90	34.77
RB: 1,14	714.5	23165	V	21.94	5.09	-3.86	23.17	34.77
110. 1,14			Н	22.41	5.09	-3.87	23.63	34.77
LTE	700.5	23025	V	20.03	5.06	-3.82	21.27	34.77
BAND 12	700.5	23023	Н	18.86	5.05	-3.82	20.09	34.77
BW: 3M	707.5	23095	V	21.82	5.07	-3.84	23.05	34.77
16QAM	101.5	23093	Н	21.13	5.07	-3.84	22.36	34.77
RB: 1,0	714.5	23165	V	20.45	5.09	-3.86	21.68	34.77
KD. 1,0	7 14.5	23 103	Н	20.73	5.09	-3.86	21.96	34.77
LTE	700.5	23025	V	20.95	5.06	-3.82	22.19	34.77
BAND 12	100.5	23023	Н	19.82	5.06	-3.83	21.05	34.77
	707.5	23095	V	21.29	5.08	-3.85	22.52	34.77
BW: 3M 16QAM	101.3	23033	Н	20.88	5.08	-3.85	22.11	34.77
	71/15	22165	V	22.36	5.09	-3.87	23.58	34.77
RB: 1,14	714.5	23165	Н	22.88	5.09	-3.87	24.10	34.77

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	nent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	<b>U</b>	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	701.5	23035	V	19.91	5.06	-3.82	21.15	34.77
BAND 12	701.5	20000	Н	19.77	5.07	-3.83	21.01	34.77
BW: 5M	707.5	23095	V	21.79	5.07	-3.84	23.02	34.77
QPSK	707.5	20000	Н	20.97	5.07	-3.84	22.20	34.77
RB: 1,0	713.5	23155	V	20.35	5.08	-3.85	21.58	34.77
110. 1,0	710.0	20100	Н	20.58	5.08	-3.85	21.81	34.77
LTE	701.5	23035	V	22.24	5.07	-3.83	23.48	34.77
BAND 12	701.5	23033	Н	21.39	5.07	-3.83	22.63	34.77
BW: 5M QPSK	707.5	23095	V	21.08	5.08	-3.85	22.31	34.77
	101.5	23093	Н	20.80	5.08	-3.85	22.03	34.77
	713.5	23155	V	21.72	5.09	-3.87	22.94	34.77
RB: 1,24			Н	22.17	5.09	-3.87	23.39	34.77
LTE	701.5	23035	V	19.92	5.06	-3.82	21.16	34.77
BAND 12	701.5	23033	Н	18.69	5.05	-3.82	21.01       34.         23.02       34.         21.58       34.         21.81       34.         23.48       34.         22.63       34.         22.31       34.         22.94       34.         23.39       34.         21.16       34.         19.92       34.         23.50       34.         21.94       34.         21.73       34.         21.73       34.         22.96       34.         22.41       34.         23.32       34.	34.77
BW: 5M	707.5	23095	V	22.27	5.07	-3.84	23.50	34.77
16QAM	101.5	23093	Н	21.42	5.07	-3.84	22.65	34.77
RB: 1,0	713.5	23155	V	20.71	5.08	-3.85	21.94	34.77
KD. 1,0	113.3	23 133	Н	20.50	5.08	-3.85	21.73	34.77
I TE	701.5	22025	V	22.71	5.07	-3.83	23.95	34.77
LTE BAND 12	701.5	23035	Н	21.72	5.07	-3.83	22.96	34.77
	707.5	23095	V	21.18	5.08	-3.85	22.41	34.77
BW: 5M	707.5	23093	Н	20.81	5.08	-3.85	22.04	34.77
16QAM	712.5	22155	V	22.10	5.09	-3.87	23.32	34.77
RB: 1,24	713.5	23155	Н	22.40	5.09	-3.87	23.62	34.77

Remark: (1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	nent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss	LIXI	Lilling
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	704.0	23060	V	21.52	5.08	-3.85	22.75	34.77
BAND 12	704.0	23000	Н	21.29	5.08	-3.85	22.52	34.77
BW: 10M	707.5	23095	V	21.93	5.07	-3.83	23.17	34.77
QPSK	101.5	23093	Н	21.24	5.07	-3.83	22.48	34.77
RB: 1,0	711.0	23130	V	21.47	5.08	-3.85	22.70	34.77
ND. 1,0	711.0	23130	Н	21.34	5.08	-3.85	22.57	34.77
LTE	704.0	23060	V	22.43	5.09	-3.86	23.66	34.77
BAND 12	704.0	23000	Н	22.80	5.09	-3.86	24.03	34.77
BW: 10M QPSK	707.5	23095	V	20.21	5.08	-3.86	21.43	34.77
	101.5	23093	Н	20.63	5.08	-3.86	21.85	34.77
	711.0	23130	V	22.52	5.09	-3.86	23.75	34.77
RB: 1,49			Н	22.86	5.09	-3.86	24.09	34.77
LTE	704.0	23060	V	21.63	5.08	-3.85	22.86	34.77
BAND 12	704.0	23000	Н	21.38	5.08	-3.85	22.61	34.77
BW: 10M	707.5	23095	V	22.25	5.07	-3.83	23.49	34.77
16QAM	101.5	23093	Н	21.49	5.07	-3.83	22.73	34.77
RB: 1,0	711.0	23130	V	21.60	5.08	-3.85	22.83	34.77
ND. 1,0	711.0	23130	Н	21.29	5.08	-3.85	22.52	34.77
LTE	704.0	23060	V	22.10	5.09	-3.86	23.33	34.77
BAND 12	704.0	23000	Н	22.48	5.09	-3.86	23.71	34.77
	707.5	23095	V	20.41	5.08	-3.86	21.63	34.77
BW: 10M 16QAM	101.5	23033	Н	20.29	5.09	-3.86	21.52	34.77
	711.0	22120	V	22.10	5.09	-3.86	23.33	34.77
RB: 1,49	711.0	23130	Н	22.54	5.09	-3.86	23.77	34.77

Remark: (1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent					
Operation	Fundamental	1	Antenna	S.G.	Antenna	Cable					
Band	Frequency	СН	Pol.	Output	Gain	Loss	ERP	Limit			
	M Hz		V/H	dBm	dBd	dB	dBm	dBm			
LTE	770 5	02005	V	22.97	5.19	-4.03	24.13	34.77			
LTE	779.5	23205	Н	23.36	5.19	-4.04	24.51	34.77			
BAND 13 BW: 5M	700.0	22220	V	23.90	5.20	-4.05	25.05	34.77			
QPSK	782.0	23230	Н	23.91	5.20	-4.05	25.06	34.77			
RB: 1,0	784.5	23255	V	24.64	5.20	-4.05	25.79	34.77			
170. 1,0	704.5	23233	Н	25.54	5.20	-4.06	26.68	34.77			
LTE	779.5	23205	V	24.16	5.20	-4.05	25.31	34.77			
BAND 13	119.5	23203	Н	24.67	5.20	-4.06	25.81	34.77			
BW: 5M QPSK	782.0	23230	V	24.24	5.20	-4.06	25.38	34.77			
	702.0	23230	Н	24.38	5.20	-4.07	25.51	34.77			
RB: 1,24	784.5	23255	V	22.92	5.20	-4.07	24.05	34.77			
ND. 1,24	704.5	20200	Н	22.46	5.20	-4.07	23.59	34.77			
LTE	779.5	23205	V	22.40	5.19	-4.04	23.55	34.77			
BAND 13	119.5	23203	Н	22.85	5.19	-4.04	24.00	34.77			
BW: 5M	782.0	23230	V	23.60	5.20	-4.05	24.75	34.77			
16QAM	702.0	23230	Н	24.12	5.20	-4.05	25.27	34.77			
RB: 1,0	784.5	23255	V	25.03	5.20	-4.06	26.17	34.77			
110. 1,0	704.5	20200	Н	24.72	5.20	-4.06	25.86	34.77			
LTE	779.5	23205	V	24.60	5.20	-4.05	25.75	34.77			
	113.5	20200	Н	24.95	5.20	-4.06	26.09	34.77			
BAND 13 BW: 5M 16QAM RB: 1,24	782.0	23230	V	23.83	5.20	-4.06	24.97	34.77			
	102.0	20200	Н	23.92	5.20	-4.07	25.05	34.77			
	784.5	23255 -	V	22.31	5.20	-4.07	23.44	34.77			
ND. 1,24	704.5		Н	21.87	5.20	-4.08	22.99	34.77			
Remark:	(1)The RBW,VBW										

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	EUT				Measurem	nent		m dBm  9 34.77  9 34.77  9 34.77  9 34.77  9 34.77				
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit				
LTE BAND 13 BW: 10M	MHz		V/H	dBm	dBd	dB	dBm	dBm				
QPSK	782.0	23230	V	22.94	5.19	-4.04	24.09	34.77				
RB: 1,0	702.0	23230	Н	22.44	5.19	-4.04	23.59	34.77				
QPSK	782.0	23230	V	22.92	5.20	-4.07	24.05	34.77				
RB: 1,49	702.0	23230	Н	22.53	5.20	-4.07	23.66	34.77				
16QAM	782.0	23230	V	22.63	5.19	-4.04	23.78	34.77				
RB: 1,0	702.0	23230	Н	22.56	5.19	-4.04	23.71	34.77				
16QAM	782.0	.0 23230		22.53	5.20	-4.07	23.66	34.77				
RB: 1,49	702.0	23230	Н	22.13	5.20	-4.08	23.25	34.77				
Remark: PA for frequency RBW= 8MHz , VBW= 8MHz												

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	EUT				Measure	ment			
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit	
	MHz		V/H	dBm	dBd	dB	dBm	dBm	
	706 F	23755	V	22.07	5.07	-3.84	23.30	24.77	
LTE	706.5	23/33	Н	22.47	5.07	-3.83	23.71	24.77	
BAND 17 BW: 5M	710.0	23790	V	20.61	5.08	-3.84	21.85	24.77	
QPSK	7 10.0	23/90	Н	21.59	5.08	-3.84	22.83	24.77	
RB: 1,0	712 5	22025	V	19.92	5.08	-3.85	21.15	24.77	
	713.5	23825	Н	21.30	5.08	-3.85	22.53	24.77	
	706.5	23755	V	20.58	5.08	-3.85	21.81	24.77	
LTE	700.5	23/33	Н	21.76	5.08	-3.85	22.99	24.77	
BAND 17	710.0	23790	V	19.75	5.08	-3.86	20.97	24.77	
BW: 5M QPSK RB: 1,24	7 10.0	23730	Н	21.34	5.09	-3.86	22.57	24.77	
	713.5	22025	V	21.11	5.09	-3.87	22.33	24.77	
	7 13.5	23023	Н	23.26	5.09	-3.87	24.48	24.77	
	706.5	22755	V	21.81	5.07	-3.83	23.05	24.77	
LTE	700.5	23825 23755	Н	23.04	5.07	-3.83	24.28	24.77	
BAND 17	710.0	23790	V	20.61	5.08	-3.85	21.84	24.77	
BW: 5M 16QAM	710.0	23/90	Н	21.82	5.08	-3.84	23.06	24.77	
RB: 1,0	713.5	23825	V	19.84	5.08	-3.85	21.07	24.77	
	7 15.5	23025	Н	21.85	5.08	-3.85	23.08	24.77	
	706 5	22755	V	20.61	5.08	-3.85	21.84	24.77	
LTE	706.5	23755	Н	21.93	5.08	-3.85	23.16	24.77	
BAND 17	710.0	23790	V	19.74	5.08	-3.86	20.96	24.77	
BW: 5M 16QAM	7 10.0	23/30	Н	21.72	5.09	-3.86	22.95	24.77	
RB: 1,24	712 5	22025	V	21.18	5.09	-3.87	22.40	24.77	
	713.5	23825	Н	23.93	5.09	-3.87	25.15	24.77	
Remark: 'A for frequency RBW= 8MHz, VBW= 8MHz									

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	EUT				Measure	ment		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
	700.0	22700	V	21.90	5.07	-3.83	23.14	24.77
LTE	709.0	23780	Н	21.80	5.07	-3.84	23.03	24.77
BAND 17 BW: 10M	710.0	23790	V	21.41	5.07	-3.84	22.64	24.77
QPSK	7 10.0	23/90	Н	21.86	5.07	-3.84	23.09	24.77
RB: 1,0	711.0	23800	V	20.93	5.07	-3.84	22.16	24.77
	711.0	23000	Н	21.50	5.07	-3.84	22.73	24.77
	709.0	23780	V	20.14	5.09	-3.86	21.37	24.77
LTE	709.0	23700	Н	21.75	5.09	-3.86	22.98	24.77
BAND 17 BW: 10M QPSK RB: 1,49	710.0	23790	V	20.82	5.09	-3.86	22.05	24.77
	7 10.0	23/90	Н	22.63	5.09	-3.86	23.86	24.77
	711.0	23800	V	21.52	5.09	-3.87	22.74	24.77
	711.0	23000	Н	23.37	5.09	-3.87	24.59	24.77
	709.0	23780	V	22.39	5.07	-3.83	23.63	24.77
LTE	709.0	23700	Н	22.70	5.07	-3.83	23.94	24.77
BAND 17 BW: 10M	710.0	23790	V	21.88	5.07	-3.84	23.11	24.77
16QAM	7 10.0	23790	Н	22.32	5.07	-3.84	23.55	24.77
RB: 1,0	711.0	23800	V	21.26	5.07	-3.84	22.49	24.77
	711.0	23000	Н	21.88	5.07	-3.84	23.11	24.77
	709.0	23780	V	20.23	5.09	-3.86	21.46	24.77
LTE	709.0	23700	Н	21.87	5.09	-3.86	23.10	24.77
BAND 17 BW: 10M	710.0	23790	V	20.89	5.09	-3.86	22.12	24.77
16QAM	7 10.0	20190	Н	22.83	5.09	-3.87	24.05	24.77
RB: 1,49	711.0	23800	V	22.04	5.09	-3.87	23.26	24.77
	7 11.0	23000	Н	23.94	5.09	-3.87	25.16	24.77
Remark:	'A for frequency RI	3W= 8MHz	z , VBW= 8M	IHz				

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	EUT			Γ	Measurem	1	1	
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	<u> </u>	Pol.	Output	Gain	Loss		
	M Hz		V/H	dBm	dBi	dB	dBm	dBm
LTE	824.7	26797	V	21.70	5.14	-4.18	22.66	38.50
BAND 26	021.1	20101	Н	25.42	5.14	-4.18	26.38	38.50
BW: 1.4M	836.5	26915	V	23.10	5.10	-4.22	23.98	38.50
QPSK	030.5	20313	Н	26.48	5.10	-4.22	27.36	38.50
RB: 1,0	848.3	27033	V	22.60	5.06	-4.26	23.40	38.50
ND. 1,0	040.5	27033	Н	26.06	5.06	-4.26	26.86	38.50
LTE	824.7	26797	V	21.29	5.14	-4.18	22.25	38.50
BAND 26	024.7	20131	Н	25.21	5.13	-4.18	26.16	38.50
BW: 1.4M QPSK	836.5	26915 -	V	22.77	5.09	-4.23	23.63	38.50
	030.3		Н	26.32	5.09	-4.23	27.18	38.50
RB: 1,5	848.3	27033	V	22.19	5.05	-4.27	22.97	38.50
110. 1,0	040.5	27033	Н	25.66	5.06	-4.26	26.46	38.50
LTE	824.7	26797	V	20.86	5.14	-4.18	21.82	38.50
BAND 26	024.7	20131	Н	24.89	5.14	-4.18	25.85	38.50
BW: 1.4M	836.5	26915	V	23.47	5.10	-4.22	24.35	38.50
16QAM	030.5	20913	Н	27.10	5.09	-4.23	27.96	38.50
RB: 1,0	848.3	27033	V	22.68	5.06	-4.26	23.48	38.50
110. 1,0	040.5	27033	Н	26.21	5.06	-4.26	27.01	38.50
LTE	824.7	26797	V	20.73	5.13	-4.18	21.68	38.50
BAND 26	024.1	20131	97       V       21.70       5.14       -4.18         15       V       23.10       5.10       -4.22         15       H       26.48       5.10       -4.22         33       V       22.60       5.06       -4.26         97       V       21.29       5.14       -4.18         97       H       25.21       5.13       -4.18         15       H       26.32       5.09       -4.23         15       H       26.32       5.09       -4.23         33       V       22.19       5.05       -4.27         33       H       25.66       5.06       -4.26         97       V       20.86       5.14       -4.18         15       H       27.10       5.09       -4.23         33       V       22.68       5.06       -4.26         97       V       20.73       5.13       -4.18         97       V       20.73       5.13       -4.18         97       V       20.73       5.13       -4.26         97       V       20.73       5.13       -4.26         97       H       24.78 <td>25.73</td> <td>38.50</td>			25.73	38.50	
BW: 1.4M	926 5	26915	V	23.40	5.09	-4.23	24.26	38.50
	836.5	20313	Н	26.84	5.09	-4.23	22.66       38         26.38       38         23.98       38         27.36       38         23.40       38         26.86       38         22.25       38         26.16       38         23.63       38         27.18       38         22.97       38         26.46       38         21.82       38         24.35       38         27.96       38         23.48       38         27.01       38         25.73       38         24.26       38         27.70       38         23.39       38         26.96       38	38.50
16QAM RB: 1,5	040.2 07022	V	22.59	5.06	-4.26	23.39	38.50	
IND. 1,0	848.3	27033	Н	26.16	5.06	-4.26	26.96	38.50
Remark:	(1)The RBW,VBV	of SPA	for frequen	cy RBW=	8MHz, VBV	V= 8MH	<u></u>	

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	EUT			Γ	Measurem	1		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	J	Pol.	Output	Gain	Loss		
	M Hz		V/H	dBm	dBi	dB	dBm	dBm
LTE	825.5	26805	V	21.23	5.13	-4.18	22.18	38.50
BAND 26	020.0	20000	Н	25.33	5.14	-4.18	26.29	38.50
BW: 3M	836.5	26915	V	22.41	5.10	-4.22	23.29	38.50
QPSK	030.5	20313	Н	26.54	5.10	-4.22	27.42	38.50
RB: 1,0	847.5	27025	V	22.69	5.06	-4.26	23.49	38.50
17.0. 1,0	047.5	21023	Н	24.40	5.06	-4.26	25.20	38.50
LTE	825.5	26805	V	20.99	5.13	-4.19	21.93	38.50
BAND 26	020.0	20003	Н	25.27	5.13	-4.19	26.21	38.50
BW: 3M	836.5	26915 -	V	22.32	5.09	-4.23	23.18	38.50
QPSK -	030.3		Н	26.30	5.09	-4.23	27.16	38.50
RB: 1,14	847.5	27025	V	22.59	5.06	-4.26	23.39	38.50
110. 1,14	047.5	21023	Н	25.76	5.06	-4.26	26.56	38.50
LTE	825.5	26805	V	20.69	5.14	-4.18	21.65	38.50
BAND 26	025.5	20003	Н	24.92	5.14	-4.18	25.88	38.50
BW: 3M	836.5	26015	V	22.83	5.10	-4.22	23.71	38.50
16QAM	030.3	20313	Н	26.84	5.10	-4.22	27.72	38.50
RB: 1,0	847.5	27025	V	20.95	5.06	-4.26	21.75	38.50
110. 1,0	047.5	21023	Н	24.18	5.07	-4.26	24.99	38.50
LTE	825.5	26805	V	20.37	5.13	-4.19	21.31	38.50
BAND 26	020.0	20003	Pol.         Out           V/H         dE           05         V         21           H         25           H         26           25         V         22           H         24           05         V         20           H         25           H         25           H         24           15         V         20           H         24           15         V         20           H         24           05         V         20           H         24           05         V         20           H         24           05         V         20           H         24           V         20           H         24           V         22           H         24           V         22           H         24           V         22           H         24           V         22           H         24           Y         22           Y	24.55	5.13	-4.19	25.49	38.50
BW: 3M	836.5	26015	26805 V H 26915 V H 27025 H 26805 H 26915 H	22.79	5.09	-4.23	23.65	38.50
16QAM	030.3	20313	Н	26.61	5.09	-4.23	27.47	38.50
RB: 1,14	847.5 27025 -	V	22.84	5.06	-4.26	23.64	38.50	
IND. 1,14	047.3	21023	Н	25.98	5.06	-4.26	26.78	38.50
Remark:	(1)The RBW,VBV	of SPA	for frequen	cy RBW=	8MHz, VBV	V= 8MH	<u></u>	

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	EUT			Γ	Measurem			
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	ļ	Pol.	Output	Gain	Loss		
	M Hz		V/H	dBm	dBi	dB	dBm	dBm
LTE	826.5	26815	V	21.17	5.14	-4.18	22.13	38.50
BAND 26	020.0	200.0	Н	25.43	5.14	-4.18	26.39	38.50
BW: 5M	836.5	26915	V	22.70	5.10	-4.22	23.58	38.50
QPSK	030.5	20313	Н	26.89	5.10	-4.22	27.77	38.50
RB: 1,0	846.5	27015	V	20.23	5.07	-4.25	21.05	38.50
110. 1,0	040.5	27013	Н	24.22	5.07	-4.25	25.04	38.50
LTE	826.5	26815	V	20.96	5.12	-4.19	21.89	38.50
BAND 26	020.0	20010	Н	25.45	5.12	-4.20	26.37	38.50
BW: 5M	836.5	26815 - 26915 - 27015 -	V	22.22	5.09	-4.23	23.08	38.50
QPSK	030.3		Н	26.58	5.09	-4.24	27.43	38.50
RB: 1,24	846.5	27015	V	22.49	5.06	-4.26	23.29	38.50
110. 1,27	040.5	27013	Н	26.18	5.06	-4.27	26.97	38.50
LTE	826.5	26815	V	20.81	5.14	-4.18	21.77	38.50
BAND 26	020.5	20013	Н	25.06	5.14	-4.18	26.02	38.50
BW: 5M	836.5	26915	V	22.93	5.10	-4.22	23.81	38.50
16QAM	030.3	20913	Н	27.37	5.10	-4.22	28.25	38.50
RB: 1,0	846.5	27015	V	20.06	5.07	-4.25	20.88	38.50
110. 1,0	040.5	27013	Н	24.00	5.07	-4.25	24.82	38.50
LTE	826.5	26815	V	20.51	5.12	-4.19	21.44	38.50
BAND 26	020.0	20013	Н	24.91	5.12	-4.19	25.84	38.50
BW: 5M	836.5	26915	V	22.63	5.09	-4.23	23.49	38.50
16QAM	030.3	20313	Н	26.97	5.09	-4.23	27.83	38.50
RB: 1,24	846.5 27015 –	V	22.84	5.06	-4.26	23.64	38.50	
110. 1,2 <del>4</del>	040.3	27013	Н	26.65	5.06	-4.26	27.45	38.50
Remark:	(1)The RBW,VBV	V of SPA	for frequen	cy RBW=	8MHz, VBV	V= 8MH:	<u></u>	

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	EUT				Measuren	nent		
Operation	Fundamental	<u> </u>	Antenna	S.G.	Antenna	Cable		
Band	Frequency	СН	Pol.	Output	Gain	Loss	ERP	Limit
	M Hz		V/H	dBm	dBi	dB	dBm	dBm
	000.0	00040	V	23.59	5.13	-4.18	24.54	38.50
LTE	829.0	26840	Н	29.70	5.14	-4.18	30.66	38.50
BAND 26	000 5	00045	V	20.94	5.11	-4.21	21.84	38.50
BW: 10M	836.5	26915	Н	25.76	5.11	-4.21	26.66	38.50
QPSK	944.0	26000	V	22.22	5.09	-4.24	23.07	38.50
RB: 1,0	844.0	26990	Н	26.62	5.08	-4.24	27.46	38.50
LTE	829.0	26840	V	23.53	5.11	-4.21	24.43	38.50
BAND 26	029.0	20040	Н	26.28	5.11	-4.21	27.18	38.50
BW: 10M	836.5	26915	V	22.12	5.08	-4.24	22.96	38.50
QPSK -	030.5		Н	26.43	5.08	-4.24	27.27	38.50
RB: 1,49	844.0	26990	V	22.58	5.06	-4.26	23.38	38.50
ND. 1,40	044.0	20990	Н	26.53	5.06	-4.26	27.33	38.50
LTE	829.0	26840	V	22.87	5.13	-4.18	23.82	38.50
BAND 26	029.0	20040	Н	24.48	5.14	-4.18	25.44	38.50
BW: 10M	836.5	26915	V	20.77	5.11	-4.21	21.67	38.50
16QAM	030.3	20913	Н	25.57	5.11	-4.21	26.47	38.50
RB: 1,0	844.0	26990	V	22.57	5.09	-4.24	23.42	38.50
110. 1,0	044.0	20330	Н	26.94	5.09	-4.24	27.79	38.50
LTE	829.0	26840	V	23.57	5.11	-4.21	24.47	38.50
BAND 26	023.0	20040	Н	26.51	5.11	-4.21	27.41	38.50
BW: 10M	836.5	26915	V	21.82	5.08	-4.24	22.66	38.50
16QAM	030.3	20313	Н	26.10	5.08	-4.24	26.94	38.50
RB: 1,49	844.0	26990 -	V	22.91	5.06	-4.26	23.71	38.50
יים. ו,דט	074.0	20330	Н	26.69	5.06	-4.26	27.49	38.50
Remark:	(1)The RBW,VBV	V of SPA	for frequen	cy RBW=	8MHz, VBV	V= 8MH	<u></u>	

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	EUT				Measuren	nent		
Operation	Fundamental		Antenna	S.G.	Antenna	Cable		
Band	Frequency	СН	Pol.	Output	Gain	Loss	ERP	Limit
	M Hz		V/H	dBm	dBi	dB	dBm	dBm
1.75	024.5	00005	V	23.47	5.13	-4.18	24.42	38.50
LTE	831.5	26865	Н	24.82	5.14	-4.18	25.78	38.50
BAND 26 BW: 15M	926 5	26045	V	23.22	5.12	-4.20	24.14	38.50
QPSK	836.5	26915	Н	24.94	5.12	-4.20	25.86	38.50
RB: 1,0	841.5	26965	V	24.38	5.10	-4.22	25.26	38.50
ND. 1,0	041.5	20903	Н	26.57	5.10	-4.22	27.45	38.50
LTE	831.5	26865	V	23.77	5.09	-4.23	24.63	38.50
BAND 26	031.3	20003	Н	26.51	5.09	-4.23	27.37	38.50
BW: 15M	836.5	26015	V	21.30	5.08	-4.25	22.13	38.50
QPSK -	030.5	26915	Н	24.87	5.07	-4.25	25.69	38.50
RB: 1,74	841.5	26965	V	22.41	5.06	-4.26	23.21	38.50
110. 1,74	041.5	20303	Н	26.33	5.06	-4.26	27.13	38.50
LTE	831.5	26865	V	23.04	5.13	-4.18	23.99	38.50
BAND 26	001.0	20003	Н	24.42	5.14	-4.18	25.38	38.50
BW: 15M	836.5	26915	V	22.88	5.12	-4.20	23.80	38.50
16QAM	030.5	20913	Н	24.59	5.12	-4.20	25.51	38.50
RB: 1,0	841.5	26965	V	24.77	5.10	-4.22	25.65	38.50
110. 1,0	041.5	20303	Н	27.20	5.10	-4.22	28.08	38.50
LTE	831.5	26865	V	24.44	5.09	-4.23	25.30	38.50
BAND 26	001.0	20003	Н	27.18	5.09	-4.23	28.04	38.50
BW: 15M	836.5	26915	V	21.43	5.08	-4.25	22.26	38.50
16QAM	000.0	20010	Н	24.95	5.08	-4.25	25.69     38       23.21     38       27.13     38       23.99     38       25.38     38       25.51     38       25.65     38       25.30     38       25.30     38       25.78     38       25.78     38       23.29     38	38.50
RB: 1,74	841.5	26965 -	V	22.49	5.06	-4.26	23.29	38.50
110. 1,17	041.5	20303	Н	26.62	5.06	-4.26	27.42	38.50
Remark:	(1)The RBW,VBV	V of SPA	for frequen	cy RBW=	8MHz, VBV	V= 8MH:	Z	

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	EUT	<b>.</b>			Measurem			
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	814.7	26697	V	23.02	5.17	-4.14	24.05	50.00
BAND 26	014.7	20037	Н	25.20	5.17	-4.14	26.23	50.00
BW: 1.4M	819.0	26740	V	24.20	5.14	-4.17	25.17	50.00
QPSK	019.0	20740	Н	25.72	5.14	-4.17	26.69	50.00
RB: 1,0	823.3	26783	V	24.20	5.14	-4.17	25.17	50.00
110. 1,0	023.3	20703	Н	25.84	5.14	-4.17	26.81	50.00
LTE	814.7	26697	V	23.50	5.17	-4.15	24.52	50.00
BAND 26	014.7	20091	Н	25.08	5.17	-4.15	26.10	50.00
BW: 1.4M	819.0	26740	V	23.90	5.14	-4.18	24.86	50.00
QPSK - RB: 1,5	019.0	20740	Н	25.44	5.14	-4.18	26.40	50.00
	823.3	26783	V	23.90	5.14	-4.18	24.86	50.00
ND. 1,3	023.3	20703	Н	25.54	5.14	-4.18	26.50	50.00
LTE	814.7	26697	V	22.72	5.17	-4.14	23.75	50.00
BAND 26	014.7	20097	Н	24.33	5.17	-4.14	25.36	50.00
BW: 1.4M	819.0	26740	V	23.66	5.14	-4.18	24.62	50.00
	019.0	20740	Н	25.20	5.14	-4.17	26.17	50.00
16QAM RB: 1,0	823.3	26783	V	23.63	5.14	-4.17	24.60	50.00
KD. 1,0	023.3	20703	Н	25.28	5.14	-4.17	26.25	50.00
LTE	01/17	26607	V	23.43	5.17	-4.15	24.45	50.00
LTE	814.7	26697	Н	25.03	5.17	-4.15	26.05	50.00
BAND 26	910.0	26740	V	23.33	5.14	-4.18	24.29	50.00
BW: 1.4M	819.0	26740	Н	24.84	5.14	-4.18	25.80	50.00
16QAM	000.0	26792	V	23.29	5.14	-4.18	24.25	50.00
RB: 1,5	823.3	26783	Н	24.93	5.14	-4.18	25.89	50.00
Remark:	(1)The RBW,V	BW of SI	PA for frequ	ency RBV	V= 8M Hz , `	VBW= 8	MHz	

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	•							
	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss	LIXI	Lillic
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	815.5	26705	V	22.88	5.17	-4.14	23.91	50.00
BAND 26	013.3	20703	Н	25.39	5.17	-4.14	26.42	50.00
BW: 3M	819.0	26740	V	23.19	5.16	-4.15	24.20	50.00
	019.0	20740	Н	24.93	5.16	-4.15	25.94	50.00
QPSK RB: 1,0	822.5	26775	V	23.65	5.15	-4.17	24.63	50.00
KD. 1,0	022.5	20773	Н	25.27	5.15	-4.17	26.25	50.00
LTE	815.5	26705	V	23.46	5.16	-4.15	24.47	50.00
BAND 26	010.0	20703	Н	25.19	5.16	-4.15	26.20	50.00
	940.0	26740	V	23.32	5.15	-4.16	24.31	50.00
BW: 3M QPSK	819.0	20740	Н	24.98	5.15	-4.16	25.97	50.00
	822.5	26775	V	23.86	5.14	-4.18	24.82	50.00
RB: 1,14	022.5	20773	Н	25.52	5.14	-4.18	26.48	50.00
LTE	015 5	26705	V	22.57	5.17	-4.14	23.60	50.00
BAND 26	815.5	20703	Н	24.40	5.17	-4.14	25.43	50.00
	940.0	26740	V	23.51	5.16	-4.15	24.52	50.00
BW: 3M	819.0	20740	Н	25.08	5.16	-4.15	26.09	50.00
16QAM	922.5	26775	V	23.90	5.15	-4.17	24.88	50.00
RB: 1,0	822.5	26775	Н	25.59	5.15	-4.17	26.57	50.00
LTE	015 5	26705	V	23.80	5.16	-4.15	24.81	50.00
LTE	815.5	26705	Н	25.58	5.16	-4.15	26.59	50.00
BAND 26	910.0	26740	V	23.80	5.15	-4.16	24.79	50.00
BW: 3M	819.0	26740	Н	25.43	5.15	-4.16	26.42	50.00
16QAM	922 E	<b>1677</b> 5	V	23.14	5.14	-4.18	24.10	50.00
RB: 1,14	822.5	26775	Н	24.79	5.14	-4.18	25.75	50.00
Remark:	(1)The RBW,V	BW of SF	PA for frequ	ency RBV	V= 8MHz , `	VBW= 8	MHz	

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	EUT	<b>.</b>			Measurem			
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	816.5	26715	<b>\</b>	22.87	5.17	-4.14	23.90	50.00
BAND 26	010.5	207 10	Н	24.84	5.17	-4.14	25.87	50.00
BW: 5M	819.0	26740	<b>V</b>	23.38	5.16	-4.15	24.39	50.00
QPSK	019.0	20740	Н	25.15	5.16	-4.15	26.16	50.00
RB: 1,0	821.5	26765	V	23.10	5.15	-4.16	24.09	50.00
ND. 1,0	021.5	20703	Н	24.88	5.15	-4.16	25.87	50.00
LTE	916 5	26715	V	23.06	5.16	-4.16	24.06	50.00
	816.5	207 13	Н	24.88	5.15	-4.16	25.87	50.00
BAND 26	940.0	26740	V	23.57	5.15	-4.17	24.55	50.00
BW: 5M QPSK	819.0	26740	Н	25.25	5.15	-4.17	26.23	50.00
	821.5	26765	V	23.99	5.14	-4.18	24.95	50.00
RB: 1,24	021.3	26765	Н	25.65	5.14	-4.18	26.61	50.00
LTE	04C E	00745	V	22.61	5.17	-4.14	23.64	50.00
LTE	816.5	26715	Н	24.56	5.17	-4.14	25.59	50.00
BAND 26	040.0	26740	V	23.74	5.16	-4.15	24.75	50.00
BW: 5M	819.0	26740	Н	25.52	5.16	-4.15	26.53	50.00
16QAM	004 5	20705	V	23.51	5.15	-4.16	24.50	50.00
RB: 1,0	821.5	26765	Н	24.90	5.15	-4.16	25.89	50.00
1.70	040 5	00745	V	23.56	5.16	-4.16	24.56	50.00
LTE	816.5	26715	Н	25.37	5.16	-4.16	26.37	50.00
BAND 26	940.0	06740	V	23.93	5.15	-4.17	24.91	50.00
BW: 5M	819.0	26740	Н	25.6	5.15	-4.16	26.59	50.00
16QAM	004.5	00705	V	23.44	5.14	-4.18	24.40	50.00
RB: 1,24	821.5	26765	Н	25.63	5.14	-4.17	26.60	50.00
Remark:	(1)The RBW,V	BW of SI	PA for frequ	ency RBV	V= 8M Hz , '	VBW= 8	MHz	

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	EUT				Measuren	nent				
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit		
Band	Frequency	011	Pol.	Output	Gain	Loss	LIXI	Lillit		
LTE BAND 26	MHz		V/H	dBm	dBi	dB	dBm	dBm		
BW: 10M	IVIIIZ		<b>V</b> /11	u Dili	"	uБ	abili	abili		
QPSK	819.0	26740	V	23.61	5.17	-4.14	24.64	50.00		
RB: 1,0	019.0	20740	Н	25.33	5.17	-4.14	26.36	50.00		
QPSK	819.0	26740	V	24.36	5.14	-4.18	25.32	50.00		
RB: 1,49	019.0	20740	Н	25.83	5.14	-4.18	26.79	50.00		
16QAM	819.0	26740	V	23.28	5.17	-4.15	24.30	50.00		
RB: 1,0	019.0	20740	Н	24.66	5.17	-4.14	25.69	50.00		
16QAM	819.0	26740 -	V	23.88	5.14	-4.17	24.85	50.00		
RB: 1,49	019.0	20740	Н	25.32	5.14	-4.18	26.28	50.00		
Remark:										

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	EUT	1	_	T			1	T
Operation	Fundamental	СН	Antenna			Cable	EIRP	Limit
Band	Frequency		Pol.	Output	Gain	Loss		
	M Hz		V/H	dBm	dBd	dB	dBm	dBm
LTE	2307.5	27685	V	16.54	10.51	-7.59	19.46	23.99
BAND 30	2001.0	21000	Н	21.33	10.51	-7.59	24.25	23.99
BW: 5M	2310.0	27710	V	21.27	10.51	-7.59	24.19	23.99
QPSK	2310.0	21110	Н	21.46	10.51	-7.59	24.38	23.99
RB: 1,0	2312.5	27735	V	16.13	10.51	-7.59	19.05	23.99
ND. 1,0	2312.3	21133	Н	20.75	10.51	-7.59	23.67	23.99
LTE	2307.5	27685	V	16.24	10.51	-7.59	19.16	23.99
BAND 30	2507.5	27005	Н	20.90	10.51	-7.59	23.82	23.99
BW: 5M	2310.0	27710	V	19.16	10.51	-7.60	22.07	23.99
QPSK	2310.0	27710 - 27735 -	Н	20.31	10.51	-7.60	23.22	23.99
RB: 1,24	2312.5	27735	V	16.01	10.52	-7.60	18.93	23.99
ND. 1,24	2312.3	21133	Н	20.18	10.51	-7.60	23.09	23.99
LTE	2307.5	27685	V	16.64	10.51	-7.59	19.56	23.99
BAND 30	2307.3	27003	Н	21.57	10.51	-7.59	24.49	23.99
BW: 5M	2310.0	27710	V	19.87	10.51	-7.59	22.79	23.99
16QAM	2310.0	27710	Н	21.35	10.51	-7.59	24.27	23.99
RB: 1,0	2312.5	27735	V	16.22	10.51	-7.59	19.14	23.99
ND. 1,0	2312.3	21133	Н	20.73	10.51	-7.59	23.65	23.99
LTE	2307.5	27685	V	16.08	10.51	-7.59	19.00	23.99
BAND 30	2307.3	27003	Н	Pol.OutputGainV/HdBmdBdV16.5410.51H21.3310.51V21.2710.51H21.4610.51V16.1310.51H20.7510.51V16.2410.51H20.9010.51V19.1610.51H20.3110.51V16.0110.52H20.1810.51V16.6410.51H21.5710.51V19.8710.51H21.3510.51V16.2210.51H20.7310.51V16.0810.51H20.8710.51V18.8810.51H20.0910.51V15.7710.51H19.8710.51	-7.59	23.79	23.99	
BW: 5M	2310.0	27710	V	18.88	10.51	-7.60	21.79	23.99
16QAM	2310.0	21110	Н	20.09	10.51	-7.60	23.00	23.99
RB: 1,24	2312.5	27735	V	15.77	10.51	-7.60	18.68	23.99
1\D. 1,2 <del>1</del>	2012.0	21133	Н	19.87	10.51	-7.60	22.78	23.99
Remark:	PA for frequency RB	W= 5MH	z , VBW= 5	MHz				

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	EUT				Measurem	nent			
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit	
Band	Frequency	011	Pol.	Output	Gain	Loss	LIIXF		
LTE BAND 30 BW: 10M	MHz		V/H	dBm	dBd	dB	dBm	dBm	
QPSK	2310.0	27710	V	19.85	10.51	-7.59	22.77	23.99	
RB: 1,0	2310.0	2//10	Н	21.04	10.51	-7.59	23.96	23.99	
QPSK	2310.0	27710	V	18.72	10.51	-7.60	21.63	23.99	
RB: 1,49	2310.0	27710	Н	20.03	10.51	-7.60	22.94	23.99	
16QAM	2310.0	27710	V	19.63	10.51	-7.59	22.55	23.99	
RB: 1,0	2310.0	27710	Н	19.78	10.51	-7.59	22.70	23.99	
16QAM	2310.0	27710	V	18.78	10.51	-7.60	21.69	23.99	
RB: 1,49	2310.0	21110	Н	20.01	10.51	-7.60	22.92	23.99	
Remark:	Remark: PA for frequency RBW= 5MHz , VBW= 5MHz								

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	Сп	Pol.	Output	Gain	Loss	LIKP	LIIIII
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2572.5	27775	V	15.53	10.78	-7.91	18.40	33.00
BAND 38	2372.3	37775	Н	22.40	10.78	-7.91	25.27	33.00
BW: 5M	2595.0	38000	V	14.75	10.81	-7.93	17.63	33.00
QPSK	2595.0	30000	Н	22.67	10.81	-7.93	25.55	33.00
RB: 1,0	2617.5	38225	V	14.48	10.84	-7.96	17.36	33.00
110. 1,0	2017.5	30223	Н	22.97	10.84	-7.96	25.85	33.00
LTE	2572.5	37775	V	14.24	10.79	-7.91	17.12	33.00
BAND 38	2312.3	31113	Н	22.34	10.79	-7.91	25.22	33.00
BW: 5M	2595.0	38000	V	15.04	10.82	-7.94	17.92	33.00
QPSK - RB: 1,24	2595.0	30000	Н	22.58	10.82	-7.94	25.46	33.00
	2617.5	38225	V	15.65	10.84	-7.96	18.53	33.00
110. 1,24	2017.5	30223	Н	23.30	10.84	-7.96	26.18	33.00
LTE	2572.5	37775	V	14.10	10.78	-7.91	16.97	33.00
BAND 38	2312.3	31113	Н	22.10	10.78	-7.91	24.97	33.00
BW: 5M	2595.0	38000	V	14.42	10.81	-7.93	17.30	33.00
16QAM	2393.0	30000	Н	22.22	10.81	-7.93	25.10	33.00
RB: 1,0	2617.5	38225	V	14.84	10.84	-7.95	17.73	33.00
110. 1,0	2017.5	30223	Н	23.11	10.84	-7.96	25.99	33.00
LTE	2572.5	37775	V	13.95	10.79	-7.91	16.83	33.00
		31113	Н	21.97	10.79	-7.91	24.85	33.00
BAND 38 BW: 5M 16QAM	2595.0	38000	V	14.83	10.82	-7.94	17.71	33.00
		30000	Н	22.28	10.82	-7.94	25.16	33.00
RB: 1,24	2617.5 38225 -	V	15.75	10.84	-7.96	18.63	33.00	
. I,ZT		30223	Н	23.38	10.84	-7.96	26.26	33.00

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	СП	Pol.	Output	Gain	Loss	LIKP	LIIIII
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2575.0	37800	V	14.18	10.79	-7.91	17.06	33.00
BAND 38	2575.0	37000	Н	22.49	10.79	-7.91	25.37	33.00
BW: 10M	2595.0	38000	V	14.78	10.81	-7.93	17.66	33.00
QPSK	2090.0	30000	Н	23.05	10.81	-7.93	25.93	33.00
RB: 1,0	2615.0	38200	V	14.43	10.83	-7.95	17.31	33.00
110. 1,0	2015.0	30200	Н	22.54	10.83	-7.95	25.42	33.00
LTE	2575.0	37800	V	13.83	10.80	-7.92	16.71	33.00
BAND 38	2373.0	37000	Н	22.24	10.80	-7.92	25.12	33.00
BW: 10M	2595.0	38000	V	15.21	10.82	-7.94	18.09	33.00
QPSK - RB: 1,49	2595.0	30000	Н	22.60	10.82	-7.94	25.48	33.00
	2615.0	38200	V	15.61	10.84	-7.96	18.49	33.00
110. 1,43	2015.0	30200	Η	23.09	10.84	-7.96	25.97	33.00
LTE	2575.0	37800	V	14.10	10.78	-7.91	16.97	33.00
BAND 38	2373.0	37000	Н	22.11	10.78	-7.91	24.98	33.00
BW: 10M	2595.0	38000	V	14.19	10.81	-7.93	17.07	33.00
16QAM	2595.0	30000	Н	22.36	10.81	-7.93	25.24	33.00
RB: 1,0	2615.0	38200	<b>V</b>	14.79	10.83	-7.95	17.67	33.00
110. 1,0	2015.0	30200	Н	22.76	10.83	-7.95	25.64	33.00
LTE	2575.0	37800	V	14.26	10.80	-7.92	17.14	33.00
	2010.0	37000	Н	22.12	10.80	-7.92	25.00	33.00
BAND 38 BW: 10M 16QAM	2595.0	38000	V	15.21	10.82	-7.94	18.09	33.00
	2030.0	30000	Н	22.42	10.82	-7.94	25.30	33.00
RB: 1,49	2615.0	2615.0 38200	V	16.19	10.84	-7.96	19.07	33.00
110. 1,70	2010.0	30200	Н	23.64	10.84	-7.96	26.52	33.00

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	СП	Pol.	Output	Gain	Loss	LIKP	LIIIII
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2577.5	37825	V	14.74	10.79	-7.91	17.62	33.00
BAND 38	2511.5	37023	Н	22.39	10.78	-7.91	25.26	33.00
BW: 15M	2595.0	38000	V	14.66	10.81	-7.93	17.54	33.00
QPSK	2595.0	30000	Н	22.69	10.81	-7.93	25.57	33.00
RB: 1,0	2612.5	38175	V	15.25	10.83	-7.95	18.13	33.00
110. 1,0	2012.5	30173	Н	22.69	10.83	-7.95	25.57	33.00
LTE	2577.5	37825	V	14.01	10.80	-7.92	16.89	33.00
BAND 38	2311.3	37023	Н	22.54	10.80	-7.92	25.42	33.00
BW: 15M	2595.0	38000	V	15.42	10.82	-7.94	18.30	33.00
QPSK - RB: 1,74	2595.0	30000	Н	22.73	10.82	-7.94	25.61	33.00
	2612.5	38175	V	15.87	10.84	-7.96	18.75	33.00
11D. 1,7 <del>1</del>	2012.5	30173	Η	23.20	10.84	-7.96	26.08	33.00
LTE	2577.5	37825	V	14.38	10.79	-7.91	17.26	33.00
BAND 38	2311.3	37023	Н	23.10	10.79	-7.91	25.98	33.00
BW: 15M	2595.0	38000	V	14.28	10.81	-7.93	17.16	33.00
16QAM	2393.0	30000	Н	22.53	10.81	-7.93	25.41	33.00
RB: 1,0	2612.5	38175	V	15.47	10.83	-7.95	18.35	33.00
110. 1,0	2012.5	30173	Н	23.11	10.83	-7.95	25.99	33.00
LTE	2577.5	37825	V	13.63	10.80	-7.92	16.51	33.00
	2011.0	37023	Η	22.72	10.80	-7.92	25.60	33.00
BAND 38 BW: 15M 16QAM	2595.0	38000	V	15.40	10.82	-7.94	18.28	33.00
	2090.0	30000	Н	22.76	10.82	-7.94	25.64	33.00
RB: 1,74	2612.5	2.5 20175	V	16.20	10.84	-7.96	19.08	33.00
110. 1,14	2012.3	38175	Н	23.66	10.84	-7.96	26.54	33.00

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	EUT				Measurem	ent		
Operation	Fundamental		Antenna	S.G.	Antenna	Cable		
Band	Frequency	СН	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
1 TC	2500.0	27050	V	14.42	10.79	-7.91	17.30	33.00
LTE	2580.0	37850	Н	22.83	10.79	-7.91	25.71	33.00
BAND 38 BW: 20M	2505.0	20000	V	13.98	10.80	-7.93	16.85	33.00
QPSK	2595.0	38000	Н	22.82	10.80	-7.92	25.70	33.00
RB: 1,0	2610.0	38150	V	15.21	10.82	-7.94	18.09	33.00
ND. 1,0	2010.0	30130	Н	22.97	10.82	-7.94	25.85	33.00
LTE	2580.0	37850	V	14.45	10.81	-7.93	17.33	33.00
BAND 38	2300.0	37030	Н	23.31	10.81	-7.93	26.19	33.00
BW: 20M	2595.0	38000	V	15.13	10.82	-7.94	18.01	33.00
QPSK	2595.0	30000	Н	23.01	10.83	-7.94	25.90	33.00
RB: 1,99	2610.0	38150	V	15.71	10.84	-7.96	18.59	33.00
110. 1,55	2010.0	30130	Η	23.35	10.84	-7.96	26.23	33.00
LTE	2580.0	37850	V	14.25	10.79	-7.91	17.13	33.00
BAND 38	2300.0	37030	Н	23.25	10.79	-7.91	26.13	33.00
BW: 20M	2595.0	38000	V	13.72	10.80	-7.92	16.60	33.00
16QAM	2595.0	30000	Н	22.58	10.80	-7.93	25.45	33.00
RB: 1,0	2610.0	38150	V	15.29	10.82	-7.94	18.17	33.00
110. 1,0	2010.0	30130	Н	22.86	10.82	-7.94	25.74	33.00
LTE	2580.0	37850	V	14.20	10.81	-7.93	17.08	33.00
BAND 38	2000.0	37030	Н	22.72	10.81	-7.93	25.60	33.00
BW: 20M	2595.0	38000	V	15.42	10.83	-7.94	18.31	33.00
16QAM	2333.0	30000	Н	23.16	10.82	-7.94	26.04	33.00
RB: 1,99	2610.0	38150	V	16.04	10.84	-7.96	18.92	33.00
ועט. ו,טט	2010.0	30130	Н	23.63	10.84	-7.96	26.51	33.00
Remark:	PA for frequency RE	8W = 8MH	z , VBW= 8	MHz				

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	EUT				Measuren	nent		
Operation	Fundamental	CII	Antenna	S.G.	Antenna	Cable	CIDD	1 ! !4
Band	Frequency	CH	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2400 5	20675	V	22.84	10.70	-7.83	25.71	33.00
LTE BAND 41	2498.5	39675	Н	18.24	10.70	-7.83	21.11	33.00
BW: 5M	2502.0	40620	V	21.45	10.81	-7.93	24.33	33.00
	2593.0	40020	Н	17.80	10.81	-7.93	20.68	33.00
QPSK	2687.5	11565	V	19.78	10.92	-8.03	22.67	33.00
RB: 1,0	2007.3	41565	Н	14.50	10.92	-8.03	17.39	33.00
LTE	2498.5	39675	V	23.56	10.70	-7.83	26.43	33.00
BAND 41	2490.5	39075	Н	18.81	10.70	-7.83	21.68	33.00
	2593.0	40620	V	21.74	10.81	-7.93	24.62	33.00
BW: 5M QPSK	2595.0	40020	Н	18.31	10.81	-7.93	21.19	33.00
RB: 1,24	2687.5	41565	V	20.50	10.93	-8.03	23.40	33.00
ND. 1,24	2007.3	4 1505	Н	14.92	10.93	-8.03	17.82	33.00
LTE	2498.5	39675	V	23.28	10.70	-7.83	26.15	33.00
BAND 41	2430.3	39073	Н	18.22	10.70	-7.83	21.09	33.00
BW: 5M	2593.0	40620	V	22.31	10.81	-7.93	25.19	33.00
16QAM	2555.0	40020	Н	18.11	10.81	-7.93	20.99	33.00
RB: 1,0	2687.5	41565	V	20.48	10.92	-8.03	23.37	33.00
ND. 1,0	2007.3	4 1505	Н	15.34	10.92	-8.03	18.23	33.00
LTE	2498.5	39675	V	23.82	10.70	-7.83	26.69	33.00
BAND 41	2430.3	39073	Н	18.72	10.70	-7.83	21.59	33.00
BW: 5M	2593.0	40620	V	22.17	10.81	-7.93	25.05	33.00
16QAM	2535.0	40020	Н	18.04	10.81	-7.93	20.92	33.00
RB: 1,24	2687.5	41565	V	20.75	10.93	-8.03	23.65	33.00
110. 1,24	2007.5	4 1303	Н	15.15	10.93	-8.03	18.05	33.00
Remark:	A for frequency RE	8W= 8MI	Hz , VBW=	8MHz			-	

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	EUT				Measuren	nent		
Operation	Fundamental	011	Antenna	S.G.	Antenna	Cable	EIDD	1 ' . '4
Band	Frequency	CH	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2504.0	39700	V	22.88	10.70	-7.83	25.75	33.00
BAND 41	2501.0	39700	Н	18.61	10.70	-7.83	21.48	33.00
BW: 10M	2593.0	40620	V	21.12	10.81	-7.93	24.00	33.00
QPSK	2090.0	40020	Н	18.34	10.81	-7.93	21.22	33.00
RB: 1,0	2685.0	41540	V	19.57	10.92	-8.02	22.47	33.00
ND. 1,0	2005.0	41540	Н	14.53	10.92	-8.02	17.43	33.00
LTE	2501.0	39700	V	23.58	10.71	-7.84	26.45	33.00
BAND 41	2301.0	39700	Н	19.22	10.71	-7.84	22.09	33.00
BW: 10M	2593.0	40620	V	21.53	10.82	-7.94	24.41	33.00
QPSK - RB: 1,49	2090.0	40020	Н	18.07	10.82	-7.94	20.95	33.00 33.00 33.00 33.00 33.00 33.00 33.00
	2685.0	41540	V	20.05	10.93	-8.03	22.95	33.00
110. 1,43	2005.0	41340	Н	14.95	10.93	-8.03	17.85	33.00
LTE	2501.0	39700	V	22.39	10.70	-7.83	25.26	33.00
BAND 41	2301.0	33700	Н	18.25	10.70	-7.83	21.12	33.00
BW: 10M	2593.0	40620	V	21.49	10.81	-7.93	24.37	33.00
16QAM	2090.0	40020	Н	18.54	10.81	-7.93	21.42	33.00
RB: 1,0	2685.0	41540	V	19.62	10.92	-8.02	22.52	33.00
110. 1,0	2005.0	41340	Н	14.57	10.92	-8.02	17.47	33.00
LTE	2501.0	39700	V	23.45	10.71	-7.84	26.32	33.00
BAND 41	2301.0	33700	Н	19.23	10.71	-7.84	22.10	33.00
BW: 10M	2593.0	40620	V	21.76	10.82	-7.94	24.64	33.00
16QAM	2000.0	70020	Н	18.58	10.82	-7.94	21.46	33.00
RB: 1,49	2685.0	41540	V	19.87	10.93	-8.03	22.77	33.00
ו יחיו ו' <del>לד</del> ל	2000.0	T 10 <del>1</del> 0	Н	14.17	10.93	-8.03	17.07	33.00
Remark:	A for frequency RE	3W= 8MI	Hz , VBW=	8MHz				

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	EUT				Measuren	nent		
Operation	Fundamental		Antenna	S.G.	Antenna	Cable	FIDD	1 514
Band	Frequency	CH	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2502 F	20725	V	23.00	10.70	-7.83	25.87	33.00
LTE BAND 41	2503.5	39725	Н	17.80	10.70	-7.83	20.67	33.00
	2502.0	40620	V	21.90	10.80	-7.92	24.78	33.00
BW: 15M	2593.0	40620	Н	18.06	10.81	-7.93	20.94	33.00
QPSK	2602 E	11515	V	20.50	10.91	-8.02	23.39	33.00
RB: 1,0	2682.5	41515	Н	13.89	10.91	-8.02	16.78	33.00
LTE	2503.5	20725	V	24.06	10.71	-7.84	26.93	33.00
BAND 41	2505.5	39725	Н	18.84	10.71	-7.84	21.71	33.00
BW: 15M QPSK	2593.0	40620	V	21.65	10.82	-7.94	24.53	33.00
	2093.0	40020	Н	17.77	10.82	-7.94	20.65	33.00
	2682.5	41515	V	20.24	10.93	-8.03	23.14	33.00
RB: 1,74	2002.5	41313	Н	14.11	10.93	-8.03	17.01	33.00
LTE	2503.5	39725	V	22.80	10.70	-7.83	25.67	33.00
BAND 41	2505.5	39723	Н	17.73	10.70	-7.83	20.60	33.00
BW: 15M	2593.0	40620	V	21.59	10.80	-7.92	24.47	33.00
16QAM	2595.0	40020	Н	18.47	10.80	-7.93	21.34	33.00
RB: 1,0	2682.5	41515	V	20.60	10.91	-8.02	23.49	33.00
ND. 1,0	2002.3	41313	Н	14.10	10.91	-8.02	16.99	33.00
LTE	2503.5	39725	V	24.48	10.71	-7.84	27.35	33.00
BAND 41	2303.3	39123	Н	18.95	10.71	-7.84	21.82	33.00
BW: 15M	2593.0	40620	V	21.68	10.82	-7.94	24.56	33.00
16QAM	2030.0	+0020	Н	18.29	10.82	-7.94	21.17	33.00
RB: 1,74	2682.5	41515	V	19.51	10.93	-8.03	22.41	33.00
ND. 1,14	2002.0	41313	Н	13.47	10.93	-8.03	16.37	33.00
Remark:	A for frequency RE	8W= 8MI	Hz , VBW=	8MHz			-	

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	EUT				Measuren	nent		
Operation	Fundamental		Antenna	S.G.	Antenna	Cable	FIDD	1 514
Band	Frequency	CH	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2506.0	20750	V	22.99	10.70	-7.83	25.86	33.00
LTE BAND 41	2506.0	39750	Н	18.31	10.70	-7.83	21.18	33.00
	2502.0	40620	V	21.92	10.80	-7.92	24.80	33.00
BW: 20M	2593.0	40620	Н	18.46	10.80	-7.92	21.34	33.00
QPSK	2690 O	41400	V	21.36	10.90	-8.01	24.25	33.00
RB: 1,0	2680.0	41490	Н	14.86	10.91	-8.01	17.76	33.00
LTE	2506.0	39750	V	24.30	10.72	-7.85	27.17	33.00
BAND 41	2500.0	39750	Н	18.93	10.72	-7.85	21.80	33.00
BW: 20M QPSK RB: 1,99	2593.0	40620	V	21.65	10.82	-7.94	24.53	33.00
	2093.0	40020	Н	18.06	10.82	-7.94	20.94	33.00
	2680.0	41490	V	20.34	10.93	-8.03	23.24	33.00
KD. 1,99	2000.0	4 1490	Н	14.30	10.93	-8.03	17.20	33.00
LTE	2506.0	39750	V	22.64	10.70	-7.83	25.51	33.00
BAND 41	2500.0	39730	Н	17.96	10.70	-7.83	20.83	33.00
BW: 20M	2593.0	40620	V	21.88	10.80	-7.92	24.76	33.00
16QAM	2595.0	40020	Н	18.62	10.80	-7.92	21.50	33.00
RB: 1,0	2680.0	41490	V	21.79	10.91	-8.01	24.69	33.00
ND. 1,0	2000.0	4 1430	Н	15.39	10.91	-8.01	18.29	33.00
LTE	2506.0	39750	V	24.78	10.72	-7.85	27.65	33.00
BAND 41	2300.0	39730	Н	19.04	10.72	-7.85	21.91	33.00
BW: 20M	2593.0	40620	V	22.07	10.82	-7.94	24.95	33.00
16QAM	2535.0	40020	Н	18.18	10.82	-7.94	21.06	33.00
RB: 1,99	2680.0	41490	V	19.52	10.93	-8.03	22.42	33.00
. I,33	2000.0	4 1430	Н	14.13	10.93	-8.03	17.03	33.00
Remark:	A for frequency RE	8W= 8MI	Hz , VBW=	8MHz			-	

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	Сп	Pol.	Output	Gain	Loss	LIKP	
	M Hz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1710 7	121070	V	22.95	9.00	-6.59	25.36	30.00
BAND 66	1710.7	131979	Н	22.43	9.00	-6.59	24.84	30.00
BW: 1.4M	1745.0	132322	V	22.94	9.13	-6.65	25.42	30.00
QPSK	1745.0	132322	Н	21.70	9.13	-6.65	24.18	30.00
RB: 1,0	1779.3	132665	V	22.09	9.25	-6.71	24.63	30.00
ND. 1,0	1779.5	132003	Н	20.63	9.25	-6.71	23.17	30.00
LTE	1710.7	131979	V	22.90	9.01	-6.59	25.32	30.00
BAND 66	1710.7	131313	Н	22.40	9.01	-6.59	24.82	30.00
BW: 1.4M	1745.0	132322	V	22.80	9.13	-6.65	25.28	30.00
QPSK -	1745.0	132322	Н	21.61	9.13	-6.65	24.09	30.00
RB: 1,5	1779.3	132665	V	21.93	9.26	-6.71	24.48	30.00
ND. 1,0	1779.5	132003	Н	20.53	9.26	-6.71	23.08	30.00
LTE	1710.7	131979	V	22.37	9.00	-6.59	24.78	30.00
BAND 66	1710.7	131313	Н	21.73	9.00	-6.59	24.14	30.00
BW: 1.4M	1745.0	132322	V	22.13	9.13	-6.65	24.61	30.00
16QAM	1745.0	102022	Н	20.93	9.13	-6.65	23.41	30.00
RB: 1,0	1779.3	132665	V	21.34	9.25	-6.71	23.88	30.00
ND. 1,0	1779.5	132003	Н	19.84	9.25	-6.71	22.38	30.00
LTE	1710.7	131979	V	22.34	9.01	-6.59	24.76	30.00
	1710.7	101919	Н	21.69	9.00	-6.59	24.10	30.00
BAND 66 BW: 1.4M	1745.0	132322	V	22.15	9.13	-6.65	24.63	30.00
16QAM	1740.0	102022	Н	20.90	9.13	-6.65	23.38	30.00
RB: 1,5	1779.3 13266	132665	V	21.22	9.26	-6.71	23.77	30.00
IND. 1,0	1113.0	102000	Н	19.83	9.26	-6.71	22.38	30.00

PA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	СП	Pol.	Output	Gain	Loss	LIKP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1711 5	121007	V	23.09	8.98	-6.58	25.49	30.00
BAND 66	1711.5	131901	Н	22.69	8.98	-6.58	25.09	30.00
BW: 3M	1745.0	120200	V	22.85	9.12	-6.65	25.32	30.00
QPSK	1745.0	132322	Н	22.24	9.12	-6.65	24.71	30.00
RB: 1,0	1778.5	132657	V	22.86	9.26	-6.71	25.41	30.00
170. 1,0	1770.5	132037	Н	20.35	9.26	-6.71	22.90	30.00
LTE	1711.5	131087	V	22.89	8.99	-6.59	25.29	30.00
BAND 66	1711.5	131987 - 132322 - 132657 - 131987 - 132322 - 132657 - 131987 - 13297 -	Н	22.43	8.99	-6.59	24.83	30.00
	1745.0	120200	V	22.48	9.14	-6.65	24.97	30.00
BW: 3M QPSK	1745.0	132322	Н	20.82	9.13	-6.65	23.30	30.00
RB: 1,14	1778.5	132657	V	22.49	9.27	-6.72	25.04	30.00
110. 1,14	1770.5	132037	Н	20.30	9.27	-6.72	22.85	30.00
LTE	1711.5	131097	V	22.49	8.98	-6.58	24.89	30.00
BAND 66	1711.5	131901	Н	21.95	8.98	-6.58	24.35	30.00
BW: 3M	1745.0	133333	V	22.21	9.12	-6.65	24.68	30.00
16QAM	1745.0	132322	Н	20.71	9.12	-6.65	23.18	30.00
RB: 1,0	1778.5	132657	V	22.04	9.26	-6.71	24.59	30.00
110. 1,0	1770.5	132037	Н	19.63	9.26	-6.71	22.18	30.00
LTE	1711.5	131097	V	22.28	8.99	-6.59	24.68	30.00
BAND 66	1711.5	131901	Н	21.65	8.99	-6.59	24.05	30.00
BW: 3M	1745.0	132322	V	21.90	9.13	-6.65	24.38	30.00
16QAM	1740.0	132322	Н	20.28	9.13	-6.65	22.76	30.00
RB: 1,14	1778.5	132657	V	22.25	9.28	-6.72	24.81	30.00
110. 1,14	1770.5	132037	Н	20.05	9.28	-6.72	22.61	30.00

PA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	611	Pol.	Output	Gain	Loss	LINF	LIIIIII
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1712.5	131997	V	22.08	8.98	-6.58	24.48	30.00
BAND 66	1712.5	131991	Н	22.42	8.98	-6.58	24.82	30.00
BW: 5M	1745.0	132322	V	21.76	9.12	-6.65	24.23	30.00
QPSK	1745.0	132322	Н	21.71	9.12	-6.65	24.18	30.00
RB: 1,0	1777.5	132647	V	18.75	9.26	-6.71	21.30	30.00
110. 1,0	1777.5	132047	Н	20.62	9.26	-6.71	23.17	30.00
LTE	1712.5	131997	V	21.87	9.00	-6.59	24.28	30.00
BAND 66	1712.5	131991	Н	22.12	9.00	-6.59	24.53	30.00
	1745.0	132322	V	21.12	9.14	-6.65	23.61	30.00
BW: 5M QPSK RB: 1,24	1745.0	132322	Н	20.95	9.14	-6.65	23.44	30.00
	1777.5	132647	V	17.59	9.27	-6.72	20.14	30.00
ND. 1,24	1777.5	132047	Н	19.92	9.27	-6.72	22.47	30.00
LTE	1712.5	131997	V	21.39	8.98	-6.58	23.79	30.00
BAND 66	1712.5	131991	Н	21.78	8.98	-6.58	24.18	30.00
BW: 5M	1745.0	132322	V	21.29	9.12	-6.65	23.76	30.00
16QAM	1745.0	132322	Н	21.09	9.12	-6.65	23.56	30.00
RB: 1,0	1777.5	132647	V	18.06	9.26	-6.71	20.61	30.00
11D. 1,0	1777.5	102047	Н	19.52	9.26	-6.71	22.07	30.00
LTE	1712.5	131997	V	21.12	9.00	-6.59	23.53	30.00
BAND 66	1712.5	131331	Н	21.45	9.00	-6.59	23.86	30.00
	1745.0	132322	V	20.55	9.14	-6.65	23.04	30.00
BW: 5M 16QAM	1745.0	102022	Н	20.19	9.14	-6.65	22.68	30.00
RB: 1,24	1777.5 132647	V	17.46	9.28	-6.72	20.02	30.00	
ו ער. ו,4 <del>1</del>	1111.3	132041	Н	19.58	9.27	-6.72	22.13	30.00

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	6	Pol.	Output	Gain	Loss	LIKP	Limit
	M Hz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1715.0	132022	V	19.04	8.98	-6.58	21.44	30.00
BAND 66	1715.0	132022	Н	16.32	8.98	-6.58	18.72	30.00
BW: 10M	1745.0	132322	V	20.05	9.11	-6.64	22.52	30.00
QPSK	1745.0	132322	Н	16.67	9.11	-6.64	19.14	30.00
RB: 1,0	1775.0	132622	V	21.24	9.24	-6.70	23.78	30.00
ND. 1,0	1775.0	132022	Н	16.90	9.24	-6.70	19.44	30.00
LTE	1715.0	132022	V	17.73	9.02	-6.60	20.15	30.00
BAND 66	1713.0	132022	Н	15.35	9.02	-6.60	17.77	30.00
BW: 10M QPSK	1745.0	132322	V	19.51	9.15	-6.66	22.00	30.00
	1745.0	132322	Н	15.68	9.15	-6.66	18.17	30.00
RB: 1,49	1775.0	132622	V	19.91	9.27	-6.72	22.46	30.00
110. 1,40	1775.0	132022	Н	17.08	9.27	-6.72	19.63	30.00
LTE	1715.0	132022	V	20.17	8.98	-6.58	22.57	30.00
BAND 66	1713.0	132022	Н	18.14	8.98	-6.58	20.54	30.00
BW: 10M	1745.0	132322	V	20.34	9.11	-6.64	22.81	30.00
16QAM	1745.0	132322	Н	17.60	9.11	-6.64	20.07	30.00
RB: 1,0	1775.0	132622	V	21.65	9.24	-6.70	24.19	30.00
110. 1,0	1775.0	102022	Н	17.87	9.24	-6.70	20.41	30.00
LTE	1715.0	132022	V	17.16	9.02	-6.60	19.58	30.00
	1713.0	132022	Н	15.39	9.02	-6.60	17.81	30.00
BAND 66 BW: 10M 16QAM	1745.0	132322	V	19.75	9.15	-6.66	22.24	30.00
	1740.0	132322	Н	15.73	9.15	-6.66	18.22	30.00
RB: 1,49	1775.0 120000	132622	V	19.84	9.28	-6.72	22.40	30.00
11D. 1,43	1775.0	132022	Н	16.92	9.27	-6.72	19.47	30.00

PA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	l Cu	Pol.	Output	Gain	Loss	LIKP	LIIIII
	M Hz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1717.5	132047	V	19.42	8.99	-6.58	21.83	30.00
	1717.5	132047	Н	17.14	8.98	-6.58	19.54	30.00
BAND 66 BW: 15M	1745 0	120200	V	19.87	9.09	-6.63	22.33	30.00
QPSK	1745.0	132322	Н	17.85	9.10	-6.64	20.31	30.00
RB: 1,0	1772.5	132597	V	20.03	9.22	-6.69	22.56	30.00
ND. 1,0	1772.5	132391	Н	16.12	9.22	-6.69	18.65	30.00
LTE	1717.5	132047	V	17.83	9.04	-6.61	20.26	30.00
BAND 66	1717.5	132047	Н	15.90	9.04	-6.61	18.33	30.00
	1745.0	132322	V	18.76	9.16	-6.66	21.26	30.00
BW: 15M QPSK	1745.0	132322	Н	15.87	9.16	-6.66	18.37	30.00
RB: 1,74	1772.5	132597	V	20.40	9.27	-6.72	22.95	30.00
ND. 1,14	1772.5	132391	Н	17.12	9.27	-6.72	19.67	30.00
LTE	1717.5	132047	V	18.91	8.99	-6.58	21.32	30.00
BAND 66	1717.5	132047	Н	17.08	8.98	-6.58	19.48	30.00
BW: 15M	1745 0	120200	V	19.83	9.10	-6.64	22.29	30.00
16QAM	1745.0	132322	Н	18.21	9.10	-6.64	20.67	30.00
RB: 1,0	1772.5	132597	V	20.66	9.22	-6.69	23.19	30.00
ND. 1,0	1772.5	132331	Н	16.43	9.22	-6.69	18.96	30.00
LTE	1717.5	132047	V	19.16	9.04	-6.61	21.59	30.00
BAND 66	1717.5	132047	Н	16.38	9.04	-6.61	18.81	30.00
	1745.0	132322	V	18.56	9.16	-6.66	21.06	30.00
BW: 15M 16QAM	1740.0	132322	Н	15.97	9.16	-6.66	18.47	30.00
RB: 1,74	1772.5	132597	V	18.89	9.27	-6.72	21.44	30.00
1\D. 1,14	1112.0	132331	Н	16.62	9.27	-6.72	19.17	30.00

PA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	nent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	СП	Pol.	Output	Gain	Loss		Lillill
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1720.0	132072	V	18.68	8.99	-6.58	21.09	30.00
BAND 66	1720.0	132072	Н	17.73	8.99	-6.58	20.14	30.00
BW: 20M	1745.0	132322	V	19.11	9.09	-6.63	21.57	30.00
QPSK	1745.0	132322	Н	16.93	9.09	-6.63	19.39	30.00
RB: 1,0	1770.0	132572	V	19.57	9.20	-6.68	22.09	30.00
110. 1,0	1770.0	132372	Н	15.30	9.20	-6.68	17.82	30.00
LTE	1720.0	132072	V	17.79	9.06	-6.62	20.23	30.00
BAND 66	1720.0	132072	Н	16.77	9.06	-6.62	19.21	30.00
BW: 20M QPSK RB: 1,99	1745.0	132322	V	18.83	9.17	-6.67	21.33	30.00
	1745.0	132322	Н	15.67	9.17	-6.67	18.17	30.00
	1770.0	132572	V	19.15	9.27	-6.72	21.70	30.00
ND. 1,33	1770.0	132372	Н	17.12	9.27	-6.72	19.67	30.00
LTE	1720.0	132072	V	19.23	8.99	-6.58	21.64	30.00
BAND 66	1720.0	132072	Н	17.46	8.99	-6.58	19.87	30.00
BW: 20M	1745.0	132322	V	20.84	9.09	-6.63	23.30	30.00
16QAM	1745.0	132322	Н	18.00	9.09	-6.63	20.46	30.00
RB: 1,0	1770.0	132572	V	20.53	9.20	-6.68	23.05	30.00
110. 1,0	1770.0	132372	Н	15.76	9.20	-6.68	18.28	30.00
I TE	1720.0	122072	V	19.82	9.06	-6.62	22.26	30.00
LTE BAND 66	1720.0	132072	Н	17.52	9.05	-6.61	19.96	30.00
	1745.0	132322	V	19.51	9.17	-6.67	22.01	30.00
BW: 20M 16QAM	1740.0	132322	Н	16.12	9.17	-6.67	18.62	30.00
RB: 1,99	1770.0 1220	132572	V	19.57	9.27	-6.72	22.12	30.00
נטוו ,טא	1770.0	132572	Н	16.44	9.27	-6.72	18.99	30.00
Remark:	PA for frequency RB	W= 8MHz	, VBW= 8N	Hz				

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## **IC EIRP Measurement**

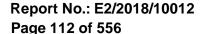
			RSS	3 133							
	EUT				Measur	ement					
Operation Band	Fundamental Frequency CH		Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit			
	MHz		V/H dBm dBd dB dBm dBm								
	1852.4	9262	V	14.5	9.58	-6.86	17.22	33.01			
	1032.4	9202	Н	13.53	9.58	-6.86	16.25	33.01			
WCDMA	1880.0	9400	V	13.3	9.69	-6.91	16.08	33.01			
Band II	1860.0	9400	Н	14.65	9.69	-6.91	17.43	33.01			
	1907.6	9538	V	12.5	9.81	-6.96	15.35	33.01			
	0.7061	9536	Н	14.52	9.81	-6.96	17.37	33.01			
Remark:	The R	BW,VB	W of SPA fo	r frequenc	y RBW= 5l	MHz , VBV	V= 8MHz	•			

			RSS	3 133						
	EUT				Measur	ement				
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit		
	MHz		V/H	dBm	dBd	dB	dBm	dBm		
	1852.4	9262	V	14.13	9.58	-6.86	16.85	33.01		
		9202	Н	12.93	9.58	-6.86	15.65	33.01		
HSDPA	1880.0	9400	V	13.89	9.7	-6.91	16.68	33.01		
Band II	1000.0	3400	Ι	14.28	9.7	-6.91	17.07	33.01		
	1907.6	9538	V	11.89	9.81	-6.96	14.74	33.01		
	1907.0	9530	Н	13.98	9.81	-6.96	16.83	33.01		
Remark:	The RBW,VBW of SPA for frequency RBW= 5MHz , VBW= 8MHz									

			RSS	3 133				
	EUT				Measur	ement		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
	1852.4	9262	V	14.77	9.58	-6.86	17.49	33.01
	1002.4	9202	Н	12.74	9.58	-6.86	15.46	33.01
HSUPA	1880.0	9400	V	13.65	9.7	-6.91	16.44	33.01
Band II	1000.0	3400	Η	14.55	9.69	-6.91	17.33	33.01
	1907.6	9538	٧	12.73	9.81	-6.96	15.58	33.01
	0.7061	9030	Н	13.88	9.81	-6.96	16.73	33.01
Remark:	The R	BW,VB	W of SPA fo	r frequenc	y RBW= 5	MHz , VBV	V= 8MHz	

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**RSS 139 EUT** Measurement **Fundamental** Antenna Operation **Antenna** S.G. Cable CH **EIRP** Limit **Band** Frequency Pol. Output Gain Loss MHz V/H dBm dBd dB dBm dBm ٧ 5.87 8.99 -6.588.28 30.00 1712.4 1312 Н 18.06 8.99 -6.5820.47 30.00 **WCDMA** ٧ 18.22 9.08 -6.6220.68 30.00 1732.6 1413 Band IV Н 19.31 9.08 -6.6221.77 30.00 ٧ 16.09 9.16 -6.66 18.59 30.00 1752.6 1513 Н 17.64 9.16 -6.66 20.14 30.00 The RBW, VBW of SPA for frequency RBW = 5MHz, VBW = 8MHz Remark:

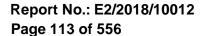
			RSS	3 139				
	EUT				Measur	ement		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Limit		
	MHz		V/H	dBm	dBd	dB	dBm	dBm
	1712.4	1312	V	13.00	8.99	-6.59	15.40	30.00
	1712.4	1312	Н	16.10	8.99	-6.59	18.50	30.00
HSDPA	1732.6	1413	V	14.33	9.07	-6.62	16.78	30.00
Band IV	1732.0	1413	Η	16.59	9.08	-6.62	19.05	30.00
	1752.6	1512	<b>V</b>	10.52	9.16	-6.66	13.02	30.00
	1732.0	1513	Η	10.43	9.16	-6.66	12.93	30.00
Remark:	The R	BW,VB	W of SPA fo	r frequenc	y RBW= 5	MHz , VBV	V= 8MHz	

			RSS	3139				
	EUT				Measur	ement		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
	1712.4	1312	V	3.32	8.99	-6.58	5.73	30.00
	1712.4	1312	Н	14.09	8.99	-6.58	16.50	30.00
HSUPA	1732.6	1413	<b>V</b>	7.01	9.07	-6.62	9.46	30.00
Band IV	1732.0	1413	Ι	15.21	9.08	-6.63	17.66	30.00
	1752.6	1513	V	-2.22	9.17	-6.67	0.28	30.00
	1752.0	1515	Η	13.67	9.16	-6.66	16.17	30.00
Remark:	The R	BW,VB	W of SPA fo	r frequenc	y RBW= 5I	MHz , VBV	V= 8MHz	

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**RSS 132 EUT** Measurement Operation **Fundamental Antenna** S.G. **Antenna** Cable CH **EIRP** Limit **Band** Frequency Pol. Output Gain Loss MHz V/H dBm dBd dB dBm dBm ٧ 19.64 5.13 -4.1920.58 38.45 826.4 4132 21.49 Н 5.13 -4.1922.43 38.45 ٧ **WCDMA** 18.97 5.1 -4.2219.85 38.45 836.6 4183 Band V Η 22.07 -4.2222.95 38.45 5.1 ٧ -4.26 17.05 5.06 17.85 38.45 846.6 4233 Н 20.77 5.06 -4.26 21.57 38.45 The RBW, VBW of SPA for frequency RBW = 5MHz, VBW = 8MHz Remark:

			RSS	3 132				
	EUT				Measur	ement		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
	826.4	4132	V	5.95	5.13	-4.18	6.9	38.45
	020.4	4132	Н	15.05	5.13	-4.19	15.99	38.45
HSDPA	836.6	4183	<b>V</b>	6.81	5.1	-4.22	7.69	38.45
Band V	030.0	4103	Η	15.89	5.1	-4.23	16.76	38.45
	0.46.6	4000	V	7.43	5.06	-4.26	8.23	38.45
	846.6	4233	Н	14.31	5.06	-4.26	15.11	38.45
Remark:	The R	BW,VB	W of SPA fo	r frequenc	y RBW= 5	MHz , VBV	V= 8MHz	

			RSS	3 132				
	EUT				Measur	ement		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
	826.4	4132	V	10.85	5.13	-4.18	11.8	38.45
	820.4	4132	Н	15.04	5.13	-4.19	15.98	38.45
HSUPA	836.6	4183	٧	8.25	5.1	-4.22	9.13	38.45
Band V	030.0	4103	Н	14.82	5.1	-4.23	15.69	38.45
	846.6	4233	V	7.27	5.06	-4.26	8.07	38.45
	040.0	4233	Η	14.91	5.06	-4.26	15.71	38.45
Remark:	The R	BW,VB	W of SPA fo	r frequenc	y RBW= 5	MHz , VBV	V= 8MHz	

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			RSS 133					
	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1850.7	18607	V	13.45	9.57	-6.86	16.16	33.01
BAND 2	1030.7	10007	Н	16.34	9.57	-6.86	19.05	33.01
BW: 1.4M	1880.0	18900	V	6.16	9.69	-6.91	8.94	33.01
QPSK	1000.0	10300	Н	16.70	9.70	-6.91	19.49	33.01
RB: 1,0	1909.3	19193	V	4.71	9.82	-6.97	7.56	33.01
110. 1,0	1303.3	13133	Н	17.50	9.82	-6.97	20.35	33.01
LTE	1850.7	18607	V	-3.99	9.57	-6.86	-1.28	33.01
BAND 2	1030.7	10007	Н	12.97	9.58	-6.86	15.69	33.01
BW: 1.4M	1880.0	18900	V	5.86	9.70	-6.91	8.65	33.01
QPSK	1000.0	10300	Н	14.96	9.70	-6.91	17.75	33.01
RB: 1,5	1909.3	19193	V	12.39	9.83	-6.97	15.25	33.01
110. 1,0	1303.3	13133	Н	18.04	9.82	-6.97	20.89	33.01
LTE	1850.7	18607	V	-3.94	9.57	-6.86	-1.23	33.01
BAND 2	1030.7	10007	Н	13.95	9.57	-6.86	16.66	33.01
BW: 1.4M	1880.0	18900	V	8.75	9.69	-6.91	11.53	33.01
16QAM	1000.0	10300	Н	15.79	9.70	-6.91	18.58	33.01
RB: 1,0	1909.3	19193	V	4.97	9.82	-6.97	7.82	33.01
110. 1,0	1909.5	19193	Н	17.64	9.82	-6.97	20.49	33.01
I TE	1850.7	18607	V	10.11	9.58	-6.86	12.83	33.01
LTE BAND 2	1030.7	10007	Н	13.82	9.58	-6.86	16.54	33.01
BW: 1.4M	1880.0	18900	V	6.30	9.70	-6.91	9.09	33.01
16QAM	1000.0	10300	Н	15.59	9.70	-6.91	18.38	33.01
RB: 1,5	1909.3	19193	V	13.70	9.82	-6.97	16.55	33.01
110.1,0	1303.0	19190	Н	18.00	9.82	-6.97	20.85	33.01

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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			RSS 133					
	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1851.5	18615	V	-5.07	9.57	-6.86	-2.36	33.01
BAND 2	1001.0	10013	Н	13.52	9.57	-6.86	16.23	33.01
BW: 3M	1880.0	18900	٧	13.08	9.69	-6.91	15.86	33.01
QPSK	1000.0	10900	Н	14.91	9.69	-6.91	17.69	33.01
RB: 1,0	1908.5	19185	V	4.33	9.81	-6.96	7.18	33.01
ND. 1,0	1900.5	19103	Н	17.10	9.81	-6.96	19.95	33.01
	1851.5	18615	V	-2.70	9.58	-6.86	0.02	33.01
LTE BAND 2	1001.0	10013	Н	13.28	9.58	-6.86	16.00	33.01
BW: 3M	1880.0	19000	V	5.69	9.70	-6.92	8.47	33.01
QPSK	1000.0	18615 - 18900 - 19185 -	Н	15.40	9.70	-6.92	18.18	33.01
RB: 1,14	1908.5	10195	V	4.10	9.82	-6.97	6.95	33.01
110. 1,14	1900.5	19100	Н	18.08	9.82	-6.97	20.93	33.01
	1851.5	18615	V	-4.70	9.58	-6.86	-1.98	33.01
LTE BAND 2	1001.0	10013	Н	13.91	9.57	-6.86	16.62	33.01
BW: 3M	1880.0	18900	V	6.29	9.69	-6.91	9.07	33.01
16QAM	1000.0	10300	Н	15.31	9.69	-6.91	18.09	33.01
RB: 1,0	1908.5	19185	V	4.66	9.81	-6.96	7.51	33.01
ND. 1,0	1900.5	19103	Н	16.84	9.81	-6.96	19.69	33.01
	1851.5	18615	V	6.67	9.58	-6.86	9.39	33.01
LTE BAND 2	1001.0	10013	Н	13.58	9.58	-6.86	16.30	33.01
BW: 3M	1880.0	18900	V	6.48	9.71	-6.92	9.27	33.01
16QAM	1000.0	10300	Н	15.71	9.70	-6.91	18.50	33.01
RB: 1,14	1908.5	19185	V	4.58	9.82	-6.97	7.43	33.01
110. 1,17	1900.0	19100	Н	17.77	9.82	-6.97	20.62	33.01

Remark:

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz

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			RSS 133					
	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1852.5	18625	V	-5.26	9.57	-6.86	-2.55	33.01
BAND 2	1002.0	10023	Н	12.57	9.57	-6.86	15.28	33.01
BW: 5M	1880.0	18900	V	5.34	9.69	-6.91	8.12	33.01
QPSK	1000.0	10900	Н	15.26	9.69	-6.91	18.04	33.01
RB: 1,0	1907.5	19175	V	4.13	9.80	-6.96	6.97	33.01
110. 1,0	1907.5	19173	Н	15.87	9.80	-6.96	18.71	33.01
LTE	1852.5	18625	V	-1.00	9.59	-6.86	1.73	33.01
BAND 2	1002.0	10023	Н	13.14	9.59	-6.86	15.87	33.01
BW: 5M	1880.0	18900	V	6.14	9.70	-6.92	8.92	33.01
QPSK	1000.0	10900	Н	14.71	9.71	-6.92	17.50	33.01
RB: 1,24	1907.5	19175	V	3.72	9.82	-6.97	6.57	33.01
11D. 1,2 <del>1</del>	1907.5	19173	Н	17.45	9.82	-6.97	20.30	33.01
LTE	1852.5	18625	V	-4.95	9.57	-6.86	-2.24	33.01
LTE BAND 2	1002.0	10023	Н	12.98	9.57	-6.86	15.69	33.01
BW: 5M	1880.0	18900	V	11.86	9.68	-6.91	14.63	33.01
16QAM	1000.0	10300	Н	15.17	9.69	-6.91	17.95	33.01
RB: 1,0	1907.5	19175	V	4.65	9.80	-6.96	7.49	33.01
110. 1,0	1907.5	13173	Н	16.63	9.81	-6.96	19.48	33.01
I TE	1852.5	18625	V	9.04	9.60	-6.87	11.77	33.01
LTE BAND 2	1002.0	10023	Н	13.96	9.59	-6.86	16.69	33.01
BW: 5M	1880.0	18900	V	5.54	9.71	-6.92	8.33	33.01
16QAM	1000.0	10300	Н	15.28	9.71	-6.92	18.07	33.01
RB: 1,24	1907.5	19175	V	11.22	9.82	-6.97	14.07	33.01
1\D. 1,£T	1007.0	13113	Н	17.28	9.82	-6.97	20.13	33.01

(1) The RBW, VBW of SPA for frequency RBW=8MHz, VBW=8MHz Remark:

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			RSS 133					
	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1855.0	18650	V	-4.31	9.58	-6.86	-1.59	33.01
BAND 2	1033.0	10030	Н	13.42	9.57	-6.86	16.13	33.01
BW: 10M	1880.0	18900	V	10.59	9.68	-6.90	13.37	33.01
QPSK	1000.0	10300	Н	13.93	9.68	-6.90	16.71	33.01
RB: 1,0	1905.0	19150	٧	3.29	9.78	-6.95	6.12	33.01
17.0. 1,0	1905.0	19150	Н	14.95	9.78	-6.95	17.78	33.01
LTC	1855.0	18650	V	11.02	9.61	-6.87	13.76	33.01
LTE BAND 2	1033.0	10030	Н	12.60	9.61	-6.87	15.34	33.01
	1880.0	18900	V	4.55	9.72	-6.92	7.35	33.01
BW: 10M QPSK	1000.0	10300	Н	14.81	9.72	-6.92	17.61	33.01
RB: 1,49	1905.0	19150	V	7.47	9.82	-6.97	10.32	33.01
ND. 1,40	1900.0	19130	Н	17.62	9.82	-6.97	20.47	33.01
LTE	1855.0	18650	<b>V</b>	-4.20	9.58	-6.86	-1.48	33.01
LTE BAND 2	1033.0	10030	Н	13.45	9.57	-6.86	16.16	33.01
BW: 10M	1880.0	18900	V	12.59	9.68	-6.91	15.36	33.01
16QAM	1000.0	10300	Н	13.37	9.68	-6.91	16.14	33.01
RB: 1,0	1905.0	19150	V	3.48	9.78	-6.95	6.31	33.01
17.5. 1,0	1900.0	19130	Н	14.97	9.78	-6.95	17.80	33.01
LTE	1855.0	18650	V	7.26	9.58	-6.86	9.98	33.01
LTE BAND 2	1033.0	10030	Н	13.69	9.57	-6.86	16.40	33.01
BW: 10M	1880.0	18900	V	4.48	9.68	-6.90	7.26	33.01
16QAM	1000.0	10300	Н	13.97	9.68	-6.90	16.75	33.01
RB: 1,49	1905.0	19150	V	13.00	9.78	-6.95	15.83	33.01
110. 1,70	1900.0	19100	Н	15.00	9.79	-6.95	17.84	33.01

Remark:

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz

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			RSS 133					
	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1857.5	18675	V	-4.71	9.57	-6.86	-2.00	33.01
BAND 2	1037.3	10075	Н	13.32	9.57	-6.86	16.03	33.01
BW: 15M	1880.0	18900	V	7.42	9.67	-6.90	10.19	33.01
QPSK	1000.0	10300	Н	14.02	9.67	-6.90	16.79	33.01
RB: 1,0	1902.5	19125	V	0.48	9.76	-6.94	3.30	33.01
110. 1,0	1902.5	19125	Н	14.36	9.76	-6.94	17.18	33.01
LTE	1857.5	18675	V	10.88	9.63	-6.88	13.63	33.01
BAND 2	1037.3	10075	Н	12.65	9.63	-6.88	15.40	33.01
BW: 15M	1880.0	18900	V	3.66	9.72	-6.92	6.46	33.01
QPSK -	1000.0	10300	Н	14.94	9.73	-6.93	17.74	33.01
RB: 1,74	1902.5	19125	V	9.89	9.82	-6.97	12.74	33.01
11D. 1,7 T	1902.5	19120	Н	17.46	9.82	-6.97	20.31	33.01
LTE	1857.5	18675	V	-3.64	9.58	-6.86	-0.92	33.01
BAND 2	1037.3	10073	Н	13.39	9.58	-6.86	16.11	33.01
BW: 15M	1880.0	18900	V	5.59	9.67	-6.90	8.36	33.01
16QAM	1000.0	10300	Н	12.97	9.67	-6.90	15.74	33.01
RB: 1,0	1902.5	19125	V	-0.08	9.76	-6.94	2.74	33.01
110. 1,0	1902.5	19120	Н	14.65	9.76	-6.94	17.47	33.01
LTE	1857.5	18675	V	6.79	9.63	-6.88	9.54	33.01
LTE BAND 2	1007.0	10073	Н	12.66	9.63	-6.88	15.41	33.01
BW: 15M	1880.0	18900	V	3.64	9.73	-6.93	6.44	33.01
16QAM	1000.0	10300	Н	15.54	9.73	-6.93	18.34	33.01
RB: 1,74	1902.5	19125	V	8.11	9.82	-6.97	10.96	33.01
110. 1,17	1002.0	10120	Τ	17.58	9.82	-6.97	20.43	33.01

Remark:

(1) The RBW, VBW of SPA for frequency RBW=8MHz, VBW=8MHz

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			RSS 133					
	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1860.0	18700	V	-4.18	9.57	-6.86	-1.47	33.01
BAND 2	1000.0	10700	Н	12.55	9.58	-6.86	15.27	33.01
BW: 20M	1880.0	18900	V	11.51	9.66	-6.89	14.28	33.01
QPSK	1000.0	10900	Н	12.97	9.66	-6.90	15.73	33.01
RB: 1,0	1900.0	19100	V	-1.15	9.75	-6.93	1.67	33.01
ND. 1,0	1900.0	19100	Н	15.41	9.74	-6.93	18.22	33.01
LTE	1860.0	18700	>	7.48	9.65	-6.89	10.24	33.01
BAND 2	1000.0	10700	Н	12.89	9.65	-6.89	15.65	33.01
BW: 20M	1880.0	18900	V	0.76	9.74	-6.93	3.57	33.01
QPSK	1000.0	10300	Н	14.71	9.74	-6.93	17.52	33.01
RB: 1,99	1900.0	19100	V	3.39	9.82	-6.97	6.24	33.01
110. 1,00	1900.0	13100	Н	17.37	9.82	-6.97	20.22	33.01
LTE	1860.0	18700	V	-4.69	9.58	-6.86	-1.97	33.01
BAND 2	1000.0	10700	Н	13.20	9.57	-6.86	15.91	33.01
BW: 20M	1880.0	18900	V	9.92	9.66	-6.89	12.69	33.01
16QAM	1000.0	10300	Н	12.52	9.66	-6.90	15.28	33.01
RB: 1,0	1900.0	19100	V	-0.53	9.74	-6.93	2.28	33.01
110. 1,0	1900.0	13100	Н	15.69	9.74	-6.93	18.50	33.01
LTE	1860.0	18700	V	2.43	9.65	-6.89	5.19	33.01
LTE BAND 2	1000.0	10700	Н	12.91	9.65	-6.89	15.67	33.01
BW: 15M	1880.0	18900	V	1.75	9.73	-6.93	4.55	33.01
16QAM	1000.0	10300	Н	14.80	9.74	-6.93	17.61	33.01
RB: 1,99	1900.0	19100	V	13.06	9.82	-6.97	15.91	33.01
115. 1,00	1000.0	10100	Н	17.22	9.82	-6.97	20.07	33.01

Remark:

(1) The RBW, VBW of SPA for frequency RBW=8MHz, VBW=8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	GII	Pol.	Output	Gain	Loss	LIIXF	LIIIIIL
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1710.7	19957	V	19.61	8.98	-6.58	22.01	30.00
BAND 4	17 10.7	13331	Н	19.77	8.98	-6.58	22.17	30.00
BW: 1.4M	1732.5	20175	V	18.19	9.07	-6.62	20.64	30.00
QPSK	1702.0	20173	Н	18.89	9.07	-6.62	21.34	30.00
RB: 1,0	1754.3	20393	V	16.97	9.17	-6.67	19.47	30.00
ND. 1,0	17.54.5	20090	Н	18.20	9.16	-6.67	20.69	30.00
LTE BAND 4 BW: 1.4M QPSK	1710.7	19957	V	19.10	8.99	-6.58	21.51	30.00
	17 10.7	19957	Н	18.91	8.99	-6.58	21.32	30.00
	1732.5	20175	V	16.89	9.08	-6.63	19.34	30.00
	17 32.3	20173	Н	18.65	9.08	-6.63	21.10	30.00
RB: 1,5	1754.3	20393	V	16.73	9.17	-6.67	19.23	30.00
ND. 1,5	1704.3	20393	Н	17.58	9.17	-6.67	20.08	30.00
LTE	1710.7	19957	V	19.42	8.98	-6.58	21.82	30.00
BAND 4	17 10.7	19901	Н	18.88	8.98	-6.58	21.28	30.00
BW: 1.4M	1732.5	20175	V	17.39	9.07	-6.62	19.84	30.00
16QAM	17 32.3	20173	Н	19.24	9.07	-6.62	21.69	30.00
·	1754.3	20393	V	16.49	9.17	-6.67	18.99	30.00
RB: 1,0	1704.0	20393	Н	17.24	9.17	-6.67	19.74	30.00
LTE	1710.7	19957	V	18.41	8.99	-6.58	20.82	30.00
	17 10.7	19901	Η	18.33	8.99	-6.58	20.74	30.00
BAND 4 BW: 1.4M 16QAM RB: 1,5	1732.5	20175	V	17.16	9.08	-6.63	19.61	30.00
	17 32.0	20173	Н	19.21	9.08	-6.63	21.66	30.00
	1754.3	20393	V	16.95	9.17	-6.67	19.45	30.00
הט. ו,ט	17 J4.J	20030	Н	17.60	9.17	-6.67	20.10	30.00

<sup>3</sup>A for frequency RBW= 8MHz , VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency		Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1711.5	19965	V	18.56	8.98	-6.58	20.96	30.00
BAND 4	1711.0	10000	Н	19.18	8.98	-6.58	21.58	30.00
BW: 3M	1732.5	20175	V	16.71	9.07	-6.62	19.16	30.00
QPSK	1702.0	20170	Н	18.50	9.07	-6.62	20.95	30.00
RB: 1,0	1753.5	20385	V	17.76	9.16	-6.67	20.25	30.00
110. 1,0	17 00.0	20303	Н	18.54	9.16	-6.66	21.04	30.00
LTE	1711.5	19965	V	19.06	8.99	-6.59	21.46	30.00
	0.11.11	19900	Н	18.73	8.99	-6.58	21.14	30.00
BAND 4 BW: 3M	1720 E	20175	V	17.28	9.08	-6.63	19.73	30.00
	1732.5	20173	Н	19.02	9.08	-6.63	21.47	30.00
QPSK	17E2 E	20385	V	17.00	9.17	-6.67	19.50	30.00
RB: 1,14	1753.5	20303	Н	18.14	9.17	-6.67	20.64	30.00
LTE	1711.5	19965	V	18.42	8.98	-6.58	20.82	30.00
BAND 4	17 11.5	19905	Н	18.98	8.98	-6.58	21.38	30.00
	1720 5	20175	V	17.31	9.07	-6.62	19.76	30.00
BW: 3M	1732.5	20173	Н	18.96	9.07	-6.62	21.41	30.00
16QAM	17E2 E	20205	V	16.76	9.16	-6.66	19.26	30.00
RB: 1,0	1753.5	20385	Н	17.95	9.16	-6.66	20.45	30.00
LTE	1711 5	10065	V	18.85	8.99	-6.59	21.25	30.00
LTE DAND 4	1711.5	19965	Н	18.38	8.99	-6.58	20.79	30.00
BAND 4 BW: 3M 16QAM	1720 5	20175	V	17.51	9.08	-6.63	19.96	30.00
	1732.5	20175	Н	19.54	9.08	-6.63	21.99	30.00
	1752 5	20202	V	17.28	9.17	-6.67	19.78	30.00
RB: 1,14	1753.5	20385	Н	17.94	9.17	-6.67	20.44	30.00

<sup>3</sup>A for frequency RBW= 8MHz , VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1712.5	19975	V	10.87	8.98	-6.58	13.27	30.00
BAND 4	17 12.5	13373	Н	21.79	8.98	-6.58	24.19	30.00
BW: 5M	1732.5	20175	V	13.48	9.07	-6.62	15.93	30.00
QPSK	17 02.0	20173	Н	20.61	9.07	-6.62	23.06	30.00
RB: 1,0	1752.5	20375	V	14.34	9.15	-6.66	16.83	30.00
ND. 1,0	17 52.5	20373	Н	20.24	9.15	-6.66	22.73	30.00
LTE	1712.5	19975	V	13.98	9.00	-6.59	16.39	30.00
BAND 4 BW: 5M QPSK	17 12.5	19975	Н	21.91	9.00	-6.59	24.32	30.00
	1732.5	20175	V	13.93	9.09	-6.63	16.39	30.00
	1732.3	20175	Н	20.67	9.09	-6.63	23.13	30.00
•	1752.5	20375	V	13.20	9.17	-6.67	15.70	30.00
RB: 1,24	1752.5	20373	Н	20.10	9.17	-6.67	22.60	30.00
LTE	1712.5	19975	V	14.14	8.98	-6.58	16.54	30.00
BAND 4	17 12.5	19975	Н	21.60	8.98	-6.58	24.00	30.00
BW: 5M	1732.5	20175	V	14.39	9.07	-6.62	16.84	30.00
	1732.3	20175	Н	21.67	9.07	-6.62	24.12	30.00
16QAM RB: 1,0	1752.5	20375	V	13.41	9.15	-6.66	15.90	30.00
ND. 1,0	1752.5	20373	Н	20.23	9.15	-6.66	22.72	30.00
LTE	1710 5	10075	V	13.16	9.00	-6.59	15.57	30.00
LTE DAND 4	1712.5	19975	Н	21.47	9.00	-6.59	23.88	30.00
BAND 4 BW: 5M 16QAM	1720 5	20175	V	14.87	9.08	-6.63	17.32	30.00
	1732.5	20175	Н	21.77	9.09	-6.63	24.23	30.00
	1750 5	20275	V	12.44	9.17	-6.67	14.94	30.00
RB: 1,24	1752.5	20375	Н	19.28	9.17	-6.67	21.78	30.00

<sup>3</sup>A for frequency RBW= 8MHz , VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency		Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1715.0	20000	V	14.25	8.98	-6.58	16.65	30.00
BAND 4	17 10.0	20000	Н	21.21	8.98	-6.58	23.61	30.00
BW: 10M	1732.0	20175	V	13.74	9.06	-6.62	16.18	30.00
QPSK	17 32.0	20173	Н	20.93	9.06	-6.62	23.37	30.00
RB: 1,0	1750.0	20350	V	14.24	9.13	-6.65	16.72	30.00
ND. 1,0	17 50.0	20330	Н	20.18	9.13	-6.65	22.66	30.00
LTE	1715.0	20000	V	13.52	9.02	-6.60	15.94	30.00
	17 15.0	20000	Н	21.32	9.02	-6.60	23.74	30.00
BAND 4 BW: 10M QPSK	1722.0	20175	V	15.12	9.09	-6.63	17.58	30.00
	1732.0		Н	20.61	9.09	-6.63	23.07	30.00
·	1750.0	20250	V	14.00	9.17	-6.67	16.50	30.00
RB: 1,49	1750.0	20350	Н	19.90	9.17	-6.67	22.40	30.00
LTE	1715.0	20000	V	14.09	8.98	-6.58	16.49	30.00
BAND 4	17 15.0	20000	Н	20.67	8.98	-6.58	23.07	30.00
BW: 10M	1732.0	20175	V	14.88	9.06	-6.62	17.32	30.00
16QAM	17 32.0	20175	Н	21.42	9.06	-6.62	23.86	30.00
	1750.0	20250	V	14.43	9.13	-6.65	16.91	30.00
RB: 1,0	1750.0	20350	Н	20.68	9.13	-6.65	23.16	30.00
LTE	1715.0	20000	V	13.00	9.02	-6.60	15.42	30.00
LTE DAND 4	17 15.0	20000	Н	21.51	9.02	-6.60	23.93	30.00
BAND 4 BW: 10M 16QAM	1722.0	20175	V	15.64	9.09	-6.63	18.10	30.00
	1732.0	20173	Н	20.99	9.10	-6.63	23.46	30.00
	1750 0	20250	V	12.63	9.17	-6.67	15.13	30.00
RB: 1,49	1750.0	20350	Н	19.82	9.17	-6.67	22.32	30.00

<sup>3</sup>A for frequency RBW= 8MHz , VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СП	Antenna	S.G.	Antenna	Cable	EIDD	l insi4
Band	Frequency	СН	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1717.5	20025	V	14.03	8.98	-6.58	16.43	30.00
BAND 4	17 17.3	20025	Н	21.31	8.99	-6.58	23.72	30.00
BW: 15M	1732.5	20175	V	13.77	9.05	-6.61	16.21	30.00
QPSK	1732.3	20173	Н	20.34	9.05	-6.61	22.78	30.00
RB: 1,0	1747.5	20325	V	14.14	9.11	-6.64	16.61	30.00
ND. 1,0	1747.3	20323	Н	21.29	9.11	-6.64	23.76	30.00
LTE	1717.5	20025	V	13.93	9.04	-6.61	16.36	30.00
BAND 4 BW: 15M QPSK	17 17.5	20025	Η	21.29	9.04	-6.61	23.72	30.00
	1732.5	20175 -	V	14.60	9.10	-6.64	17.06	30.00
	1732.3		Н	20.66	9.11	-6.64	23.13	30.00
•	1747.5	20325	V	13.49	9.17	-6.67	15.99	30.00
RB: 1,74	1747.5	20323	Н	19.72	9.17	-6.67	22.22	30.00
LTE	1717.5	20025	V	14.09	8.98	-6.58	16.49	30.00
BAND 4	17 17.3	20025	Н	21.29	8.99	-6.58	23.70	30.00
BW: 15M	1732.5	20175	V	14.25	9.05	-6.61	16.69	30.00
16QAM	1732.5	20175	Η	21.16	9.05	-6.61	23.60	30.00
	1747.5	20325	V	14.72	9.11	-6.64	17.19	30.00
RB: 1,0	1747.5	20323	Н	21.07	9.11	-6.64	23.54	30.00
LTE	1717 5	20025	V	13.94	9.04	-6.61	16.37	30.00
LTE	1717.5	20025	Н	21.10	9.04	-6.61	23.53	30.00
BAND 4 BW: 15M 16QAM	1720 5	20175	V	14.87	9.11	-6.64	17.34	30.00
	1732.5	20175	Н	20.69	9.10	-6.64	23.15	30.00
	17/17 5	20325	V	13.25	9.17	-6.67	15.75	30.00
RB: 1,74	1747.5	20020	Н	19.83	9.17	-6.67	22.33	30.00

<sup>3</sup>A for frequency RBW= 8MHz , VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTC	1700.0	20050	V	14.56	8.99	-6.58	16.97	30.00
LTE DAND 4	1720.0	20050	Н	21.46	8.99	-6.58	23.87	30.00
BAND 4 BW: 20M	1732.5	20175	V	13.63	9.04	-6.61	16.06	30.00
QPSK	1732.3	20173	Н	20.70	9.04	-6.61	23.13	30.00
RB: 1,0	1745.0	20300	V	14.53	9.09	-6.63	16.99	30.00
ND. 1,0	1745.0	20300	Н	20.98	9.09	-6.63	23.44	30.00
LTE	1720.0	20050	V	13.52	9.06	-6.62	15.96	30.00
BAND 4 BW: 20M QPSK	1720.0	20030	Н	20.73	9.06	-6.62	23.17	30.00
	1732.5	20175	V	14.59	9.11	-6.64	17.06	30.00
	1732.3	20175	Н	21.48	9.11	-6.64	23.95	30.00
RB: 1,99	1745.0	20300	V	13.83	9.17	-6.67	16.33	30.00
ND. 1,33	1745.0	20300	Н	19.53	9.17	-6.67	22.03	30.00
LTE	1720.0	20050	V	14.14	8.99	-6.58	16.55	30.00
BAND 4	1720.0	20000	Н	21.35	8.99	-6.58	23.76	30.00
BW: 20M	1732.5	20175	V	14.33	9.04	-6.61	16.76	30.00
16QAM	1732.3	20173	Н	20.82	9.04	-6.61	23.25	30.00
RB: 1,0	1745.0	20300	V	15.10	9.09	-6.63	17.56	30.00
110. 1,0	1745.0	20300	Н	22.22	9.09	-6.63	24.68	30.00
LTE	1720.0	20050	V	14.82	9.06	-6.62	17.26	30.00
	1720.0	20000	Н	20.58	9.06	-6.62	23.02	30.00
BAND 4 BW: 20M	1732.5 2	20175	V	14.74	9.11	-6.64	17.21	30.00
	17 02.0	20113	Н	21.08	9.11	-6.64	23.55	30.00
16QAM RB: 1,99	1745.0	20300	V	13.17	9.17	-6.67	15.67	30.00
IND. 1,33	1740.0	20300	Н	20.04	9.17	-6.67	22.54	30.00

Remark: <sup>3</sup>A for frequency RBW= 8MHz , VBW= 8MHz

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	EUT				Measurem	nent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	004.7	20407	V	17.89	5.14	-4.18	18.85	40.66
LTE	824.7	20407	Н	22.07	5.14	-4.18	23.03	40.66
BAND 5 BW: 1.4M	836.5	20525	V	20.09	5.10	-4.22	20.97	40.66
QPSK	030.3	20020	Н	23.04	5.10	-4.22	23.92	40.66
RB: 1,0	848.3	20643	V	20.53	5.06	-4.26	21.33	40.66
ND. 1,0	040.3	20043	Η	22.76	5.06	-4.26	23.56	40.66
LTE	824.7	20407	<b>\</b>	18.95	5.13	-4.18	19.90	40.66
BAND 5	024.7	20407	Η	21.55	5.14	-4.18	22.51	40.66
BW: 1.4M QPSK	836.5	20525	V	19.43	5.10	-4.22	20.31	40.66
			Н	22.70	5.09	-4.23	23.56	40.66
RB: 1,5	848.3	20643	<b>\</b>	19.95	5.05	-4.27	20.73	40.66
ND. 1,3	040.5	20043	Η	23.19	5.06	-4.26	23.99	40.66
LTE	824.7	20407	V	17.80	5.14	-4.18	18.76	40.66
BAND 5	024.7	20407	Н	20.92	5.14	-4.18	21.88	40.66
BW: 1.4M	836.5	20525	V	20.70	5.10	-4.22	21.58	40.66
16QAM	030.3	20020	Н	23.75	5.10	-4.22	24.63	40.66
RB: 1,0	848.3	20643	V	20.12	5.06	-4.26	20.92	40.66
110. 1,0	040.5	20043	Н	23.38	5.06	-4.26	24.18	40.66
LTE	824.7	20407	V	17.41	5.13	-4.18	18.36	40.66
BAND 5	024.7	20407	Н	21.14	5.14	-4.18	22.10	40.66
BW: 1.4M	836.5	20525	V	20.93	5.10	-4.23	21.80	40.66
	000.0	20020	Н	23.27	5.09	-4.23	24.13	40.66
16QAM RB: 1,5	848.3 2	20643	V	20.63	5.06	-4.27	21.42	40.66
יטוו. ו,ט	U <del>T</del> U.U	20040	Н	22.90	5.06	-4.27	23.69	40.66

Remark: A for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	nent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	99E E	20445	V	19.05	5.14	-4.18	20.01	40.66
LTE	825.5	20415	Н	22.28	5.14	-4.17	23.25	40.66
BAND 5 BW: 3M	836.5	20525	V	20.09	5.10	-4.22	20.97	40.66
QPSK	030.3	20020	Н	23.52	5.10	-4.22	24.40	40.66
RB: 1,0	847.5	20635	V	18.99	5.06	-4.26	19.79	40.66
ND. 1,0	047.3	20033	Η	21.13	5.06	-4.26	21.93	40.66
LTE	825.5	20/15	V	19.17	5.13	-4.18	20.12	40.66
	020.0	20415	Н	21.37	5.13	-4.18	22.32	40.66
BAND 5 BW: 3M QPSK	836.5	20525	V	19.60	5.09	-4.23	20.46	40.66
	030.3		Н	23.16	5.09	-4.23	24.02	40.66
	847.5	20635	V	19.66	5.06	-4.26	20.46	40.66
RB: 1,14	047.5	20000	Η	22.80	5.06	-4.26	23.60	40.66
LTE	825.5	20415	V	19.24	5.14	-4.18	20.20	40.66
BAND 5	023.3	20413	Н	22.63	5.14	-4.17	23.60	40.66
BW: 3M	836.5	20525	V	20.55	5.10	-4.22	21.43	40.66
16QAM	030.3	20020	Н	23.49	5.10	-4.22	24.37	40.66
RB: 1,0	847.5	20635	V	18.76	5.06	-4.26	19.56	40.66
ND. 1,0	047.5	20033	Н	21.15	5.07	-4.26	21.96	40.66
I TE	925 5	20415	V	17.98	5.13	-4.19	18.92	40.66
LTE BAND 5	825.5	20 <del>4</del> 13	Н	23.03	5.14	-4.18	23.99	40.66
BAND 5 BW: 3M 16QAM RB: 1,14	836.5	20525	V	20.23	5.09	-4.23	21.09	40.66
	000.0	20020	Н	24.07	5.09	-4.23	24.93	40.66
	847.5 2	20635	V	20.06	5.06	-4.27	20.85	40.66
110. 1,14	U <del>1</del> 1.J	20000	Н	23.30	5.06	-4.26	24.10	40.66

Remark: A for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	906 E	20425	V	18.85	5.14	-4.18	19.81	40.66
LTE	826.5	20425	Н	22.24	5.14	-4.18	23.20	40.66
BAND 5	836.5	20525	V	20.82	5.10	-4.22	21.70	40.66
BW: 5M QPSK	0.00.0	20020	Н	23.26	5.10	-4.22	24.14	40.66
RB: 1,0	846.5	20625	V	17.36	5.07	-4.25	18.18	40.66
ND. 1,U	040.0	20023	Н	20.74	5.07	-4.25	21.56	40.66
LTE	826.5	20425	V	18.49	5.12	-4.20	19.41	40.66
BAND 5	020.5	20425	Η	21.32	5.12	-4.20	22.24	40.66
BW: 5M QPSK	836.5	20525	V	19.91	5.09	-4.23	20.77	40.66
	030.3	20525	Н	22.55	5.09	-4.23	23.41	40.66
RB: 1,24	846.5	20625	V	19.97	5.06	-4.26	20.77	40.66
110. 1,24	040.5	20023	Н	22.99	5.06	-4.27	23.78	40.66
LTE	826.5	20425	V	18.23	5.14	-4.18	19.19	40.66
BAND 5	020.5	20720	Н	21.80	5.14	-4.18	22.76	40.66
BW: 5M	836.5	20525	V	20.47	5.10	-4.22	21.35	40.66
16QAM	000.0	20020	Н	23.66	5.10	-4.22	24.54	40.66
RB: 1,0	846.5	20625	V	17.61	5.07	-4.25	18.43	40.66
110. 1,0	040.5	20023	Н	20.05	5.07	-4.25	20.87	40.66
LTE	826.5	20425	V	18.32	5.12	-4.19	19.25	40.66
	020.5	20423	Н	21.30	5.12	-4.20	22.22	40.66
BAND 5 BW: 5M 16QAM RB: 1,24	836.5	20525	V	20.90	5.09	-4.23	21.76	40.66
	000.0	20020	Н	23.80	5.09	-4.23	24.66	40.66
	846.5 2	20625	V	20.46	5.06	-4.26	21.26	40.66
1\D. 1,24	U <del>1</del> U.J	20023	Η	23.12	5.06	-4.26	23.92	40.66

Remark: A for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	nent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	920.0	20450	V	18.37	5.14	-4.18	19.33	40.66
LTE	829.0	20450	Н	21.85	5.14	-4.18	22.81	40.66
BAND 5 BW: 10M	836.5	20525	V	20.38	5.11	-4.21	21.28	40.66
QPSK	0.00.0	20020	Н	23.16	5.11	-4.21	24.06	40.66
	944 0	20600	V	19.70	5.09	-4.24	20.55	40.66
RB: 1,0	844.0	20600	Н	23.11	5.09	-4.24	23.96	40.66
LTE	920.0	20450	V	21.21	5.11	-4.21	22.11	40.66
LTE DAND 5	829.0	20450	Н	23.79	5.11	-4.21	24.69	40.66
BAND 5	836.5	20525	V	19.06	5.08	-4.24	19.90	40.66
BW: 10M QPSK	0.00.0	20020	Н	21.96	5.08	-4.24	22.80	dBm  40.66
	944 0	20600	V	20.56	5.06	-4.26	21.36	40.66
RB: 1,49	844.0		Н	23.04	5.06	-4.26	23.84	40.66
LTE	829.0	20450	V	17.76	5.14	-4.18	18.72	40.66
BAND 5	029.0	20430	Н	21.55	5.14	-4.18	22.51	40.66
BW: 10M	836.5	20525	V	19.62	5.11	-4.21	20.52	40.66
16QAM	030.3	20020	Н	23.27	5.11	-4.21	24.17	40.66
RB: 1,0	844.0	20600	V	20.11	5.09	-4.24	20.96	40.66
ND. 1,0	044.0	20000	Н	22.57	5.09	-4.24	23.42	40.66
LTE	829.0	20450	V	20.52	5.11	-4.21	21.42	40.66
	029.0	20430	Н	23.64	5.11	-4.21	24.54	40.66
BAND 5 BW: 10M 16QAM RB: 1,49	836.5	20525	V	19.44	5.08	-4.24	20.28	40.66
	030.3	20020	Н	22.20	5.08	-4.24	23.04	40.66
	944.0	20600	V	21.15	5.06	-4.26	21.95	40.66
1,43	844.0	20000	Н	23.48	5.06	-4.26	24.28	40.66

Remark: A for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	1 ::4
Band	Frequency	СП	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2502.5	20775	V	14.48	10.70	-7.83	17.35	33.01
BAND 7	2002.0	20113	Н	17.51	10.70	-7.83	20.38	33.01
BW: 5M	2535.0	21100	V	12.00	10.74	-7.87	14.87	33.01
QPSK	2000.0	21100	Н	16.84	10.74	-7.87	19.71	33.01
RB: 1,0	2567.5	21425	V	10.96	10.78	-7.90	13.84	33.01
ND. 1,0	2507.5	21423	Н	16.29	10.78	-7.90	19.17	33.01
LTE	2502.5	20775	V	14.57	10.71	-7.83	17.45	33.01
BAND 7	2502.5	20113	Η	17.24	10.71	-7.84	20.11	33.01
BW: 5M QPSK	2535.0	21100	V	12.00	10.75	-7.87	14.88	33.01
	2555.0	21100	Н	16.35	10.74	-7.87	19.22	33.01
RB: 1,24	2567.5	21425	V	10.82	10.78	-7.91	13.69	33.01
ND. 1,24	2307.3	21423	Н	16.61	10.78	-7.91	19.48	33.01
LTE	2502.5	20775	V	14.42	10.70	-7.83	17.29	33.01
BAND 7	2302.3	20113	Н	17.38	10.70	-7.83	20.25	33.01
BW: 5M	2535.0	21100	V	12.57	10.74	-7.87	15.44	33.01
16QAM	2000.0	21100	Н	16.19	10.74	-7.87	19.06	33.01
RB: 1,0	2567.5	21425	V	10.70	10.78	-7.90	13.58	33.01
Kb. 1,0	2307.3	21423	Н	15.61	10.78	-7.90	18.49	33.01
LTE	2502.5	20775	V	14.41	10.71	-7.84	17.28	33.01
	2002.0	20113	Н	17.91	10.71	-7.84	20.78	33.01
BAND 7 BW: 5M 16QAM RB: 1,24	2535.0	21100	V	11.87	10.74	-7.87	14.74	33.01
	2000.0	21100	Н	16.40	10.74	-7.87	19.27	33.01
	2567.5	21425	V	10.12	10.78	-7.91	12.99	33.01
ND. 1,24	2507.5	Z 1420	Н	16.47	10.78	-7.91	19.34	33.01

Remark: A for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	1 ::4
Band	Frequency	СП	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2505.0	20800	<b>\</b>	14.39	10.70	-7.83	17.26	33.01
BAND 7	2505.0	20000	Н	17.07	10.70	-7.83	19.94	33.01
BW: 10M	2535.0	21100	V	11.37	10.74	-7.86	14.25	33.01
QPSK	2000.0	21100	Н	16.95	10.74	-7.86	19.83	33.01
RB: 1,0	2565.0	21400	V	9.65	10.77	-7.90	12.52	33.01
ND. 1,0	2505.0	21400	Η	16.27	10.77	-7.90	19.14	33.01
LTE	2505.0	20800	V	14.09	10.71	-7.84	16.96	33.01
BAND 7	2505.0	20000	Τ	17.25	10.71	-7.84	20.12	33.01
BW: 10M QPSK	2535.0	21100	V	12.24	10.75	-7.87	15.12	33.01
	2555.0	21100	Η	16.45	10.75	-7.87	19.33	33.01
RB: 1,49	2565.0	21400	V	10.05	10.78	-7.91	12.92	33.01
ND. 1,49	2303.0	21400	Н	16.57	10.78	-7.91	19.44	33.01
LTE	2505.0	20800	<b>\</b>	14.14	10.70	-7.83	17.01	33.01
BAND 7	2303.0	20000	Η	17.22	10.70	-7.83	20.09	33.01
BW: 10M	2535.0	21100	V	11.28	10.74	-7.86	14.16	33.01
16QAM	2000.0	21100	Η	17.11	10.74	-7.86	19.99	33.01
RB: 1,0	2565.0	21400	<b>V</b>	10.68	10.77	-7.90	13.55	33.01
Kb. 1,0	2303.0	21400	Η	16.40	10.77	-7.90	19.27	33.01
LTE	2505.0	20800	V	15.67	10.71	-7.84	18.54	33.01
	2000.0	20000	Н	17.57	10.71	-7.84	20.44	33.01
BAND 7 BW: 10M 16QAM RB: 1,49	2535.0	21100	V	12.80	10.75	-7.87	15.68	33.01
	2000.0	21100	Η	16.73	10.75	-7.87	19.61	33.01
	2565.0	21400 -	V	10.84	10.78	-7.91	13.71	33.01
KD. 1,49	2505.0		Н	15.97	10.78	-7.91	18.84	33.01

Remark: A for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	СП	Pol.	Output	Gain	Loss	LIKE	Lillill
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2507.5	20825	V	13.91	10.70	-7.83	16.78	33.01
BAND 7	2001.0	20025	Н	16.74	10.70	-7.83	19.61	33.01
BW: 15M	2535.0	21100	V	12.01	10.73	-7.86	14.88	33.01
QPSK	2000.0	21100	Н	16.66	10.73	-7.86	19.53	33.01
RB: 1,0	2562.5	21375	V	10.38	10.77	-7.89	13.26	33.01
ND. 1,0	2002.0	21373	Η	15.11	10.77	-7.89	17.99	33.01
LTE	2507.5	20825	V	14.05	10.72	-7.85	16.92	33.01
BAND 7	2507.5	20023	Τ	16.48	10.72	-7.85	19.35	33.01
BW: 15M QPSK	2535.0	21100	V	12.39	10.75	-7.88	15.26	33.01
	2555.0	20825 21100 21375	Η	15.91	10.75	-7.88	18.78	33.01
RB: 1,74	2562.5	21375	V	10.59	10.78	-7.91	13.46	33.01
ND. 1,74	2502.5	21373	Η	15.63	10.78	-7.91	18.50	33.01
LTE	2507.5	20825	V	14.48	10.70	-7.83	17.35	33.01
BAND 7	2507.5	20023	Н	17.62	10.70	-7.83	20.49	33.01
BW: 15M	2535.0	21100	V	11.85	10.73	-7.86	14.72	33.01
16QAM	2000.0	21100	Н	16.88	10.73	-7.86	19.75	33.01
· ·	2562.5	21375	V	11.36	10.77	-7.89	14.24	33.01
RB: 1,0	2002.0	213/3	Н	16.86	10.77	-7.89	19.74	33.01
LTE	2507.5	20025	V	14.85	10.72	-7.85	17.72	33.01
	2507.5	20825	Н	17.51	10.72	-7.85	20.38	33.01
BAND 7 - BW: 15M 16QAM -	2535.0	21100	V	11.85	10.75	-7.88	14.72	33.01
	2000.0	21100	Н	16.80	10.75	-7.88	19.67	33.01
	2562 5	21375	V	10.57	10.78	-7.91	13.44	33.01
RB: 1,74	2562.5	213/3	Н	16.03	10.78	-7.91	18.90	33.01

Remark: A for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	1 ::4
Band	Frequency	СП	Pol.	Output	Gain	Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2510.0	20850	V	14.48	10.70	-7.83	17.35	33.01
BAND 7	2010.0	20000	Н	17.83	10.70	-7.83	20.70	33.01
BW: 20M	2535.0	21100	V	12.31	10.73	-7.86	15.18	33.01
QPSK	2000.0	21100	Н	17.51	10.73	-7.86	20.38	33.01
RB: 1,0	2560.0	21350	V	11.08	10.76	-7.89	13.95	33.01
ND. 1,0	2500.0	21000	Н	15.86	10.76	-7.89	18.73	33.01
LTE	2510.0	20850	V	12.98	10.72	-7.85	15.85	33.01
BAND 7	2510.0	20000	Н	18.05	10.72	-7.85	20.92	33.01
BW: 20M QPSK	2535.0	21100	V	11.60	10.75	-7.88	14.47	33.01
	2000.0	21100	Н	16.03	10.75	-7.88	18.90	33.01
RB: 1,99	2560.0	21100	V	10.73	10.78	-7.91	13.60	33.01
ND. 1,99	2500.0	21330	Н	15.88	10.78	-7.91	18.75	33.01
LTE	2510.0	20850	V	14.19	10.70	-7.83	17.06	33.01
BAND 7	2010.0	20000	Н	17.42	10.70	-7.83	20.29	33.01
BW: 20M	2535.0	21100	V	12.35	10.73	-7.86	15.22	33.01
16QAM	2000.0	21100	Н	16.87	10.73	-7.86	19.74	33.01
RB: 1,0	2560.0	21350	V	11.37	10.76	-7.89	14.24	33.01
ND. 1,0	2500.0	21330	Н	17.06	10.76	-7.89	19.93	33.01
LTE	2510.0	20850	V	12.85	10.72	-7.85	15.72	33.01
	2310.0	20030	Н	17.83	10.72	-7.85	20.70	33.01
BAND 7 BW: 20M 16QAM RB: 1,99	2535.0	21100	V	12.34	10.75	-7.88	15.21	33.01
	2000.0	21100	Н	16.45	10.75	-7.88	19.32	33.01
	2560.0	21350 -	V	11.02	10.78	-7.91	13.89	33.01
ND. 1,99	2000.0	21330	Н	16.33	10.78	-7.91	19.20	33.01

Remark: A for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss	L1(1	Lillin
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	699.7	23017	V	16.25	5.06	-3.82	17.49	36.99
BAND 12	033.1	23017	Н	14.41	5.05	-3.82	15.64	36.99
BW: 1.4M	707.5	23095	V	17.60	5.07	-3.84	18.83	36.99
QPSK	101.5	20030	Н	16.44	5.07	-3.84	17.67	36.99
RB: 1,0	715.3	23173	V	17.89	5.09	-3.87	19.11	36.99
110. 1,0	710.0	23173	Н	18.24	5.09	-3.87	19.46	36.99
LTE	699.7	23017	V	16.98	5.06	-3.82	18.22	36.99
BAND 12	099.1	23017	Н	15.19	5.06	-3.82	16.43	36.99
BW: 1.4M	707.5	23095	V	16.87	5.08	-3.85	18.10	36.99
QPSK	101.5		Н	17.16	5.08	-3.84	18.40	36.99
RB: 1,5	715.3	5.3 23173	V	18.06	5.09	-3.87	19.28	36.99
ND. 1,5			Н	19.02	5.09	-3.87	20.24	36.99
LTE	699.7	23017	V	15.91	5.05	-3.82	17.14	36.99
BAND 12	033.1	23017	Н	15.38	5.05	-3.82	16.61	36.99
BW: 1.4M	707.5	23095	V	17.83	5.07	-3.84	19.06	36.99
16QAM	101.5	23093	Н	16.94	5.07	-3.84	18.17	36.99
RB: 1,0	715.3	23173	V	17.78	5.09	-3.86	19.01	36.99
ND. 1,0	715.5	23173	Н	19.12	5.09	-3.86	20.35	36.99
LTE	699.7	23017	V	16.95	5.06	-3.82	18.19	36.99
	099.1	23017	Н	15.24	5.05	-3.82	16.47	36.99
BAND 12 BW: 1.4M 16QAM RB: 1,5	707.5	23095	V	17.81	5.08	-3.84	19.05	36.99
	101.5	23033	Н	16.69	5.08	-3.84	17.93	36.99
	715.3	23173	V	18.88	5.09	-3.87	20.10	36.99
170. 1,0	110.0	23173	Н	19.46	5.09	-3.87	20.68	36.99

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	700.5	23025	V	16.53	5.06	-3.82	17.77	36.99
BAND 12	700.5	23023	Н	15.78	5.05	-3.82	17.01	36.99
BW: 3M	707.5	23095	V	17.57	5.07	-3.84	18.80	36.99
QPSK	707.5	23093	Н	16.91	5.07	-3.84	18.14	36.99
RB: 1,0	714.5	23165	V	18.02	5.09	-3.86	19.25	36.99
ND. 1,0	714.5	23103	Н	17.03	5.09	-3.86	18.26	36.99
LTE	700.5	23025	V	17.47	5.06	-3.83	18.70	36.99
BAND 12	700.5	23023	Н	16.36	5.06	-3.82	17.60	36.99
BW: 3M QPSK	707.5	23095	V	17.45	5.08	-3.85	18.68	36.99
	101.5	23093	Н	17.60	5.08	-3.85	18.83	36.99
RB: 1,14	714.5	23165	V	18.41	5.09	-3.86	19.64	36.99
IXD. 1,14			Н	18.84	5.09	-3.87	20.06	36.99
LTE	700.5	23025	V	16.37	5.06	-3.82	17.61	36.99
BAND 12	700.5	20020	Н	15.16	5.05	-3.82	16.39	36.99
BW: 3M	707.5	23095	V	18.81	5.07	-3.84	20.04	36.99
16QAM	101.5	23033	Н	17.23	5.07	-3.84	18.46	36.99
RB: 1,0	714.5	23165	V	16.79	5.09	-3.86	18.02	36.99
110. 1,0	714.5	20100	Н	17.20	5.09	-3.86	18.43	36.99
LTE	700.5	23025	V	17.61	5.06	-3.82	18.85	36.99
	700.5	23023	Н	16.41	5.06	-3.83	17.64	36.99
BAND 12 - BW: 3M 16QAM - RB: 1,14	707.5	23095	V	17.32	5.08	-3.85	18.55	36.99
	101.0	20000	Н	16.98	5.08	-3.85	18.21	36.99
	714.5	23165	V	18.64	5.09	-3.87	19.86	36.99
110. 1,14	717.5	20100	Н	19.14	5.09	-3.87	20.36	36.99

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	FRD	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss	LIXI	Liiiit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	701.5	23035	V	16.19	5.06	-3.82	17.43	
BAND 12	701.0	20000	Н	15.79	5.07	-3.83	17.03	
BW: 5M	707.5	23095	V	18.51	5.07	-3.84	19.74	
QPSK	101.5	20000	Н	17.26	5.07	-3.84	18.49	
RB: 1,0	713.5	23155	V	16.47	5.08	-3.85	17.70	
110. 1,0	7 10.0	20100	Н	17.11	5.08	-3.85	18.34	36.99
LTE	701.5	23035	V	18.38	5.07	-3.83	19.62	36.99
BAND 12	701.5	23033	Н	17.41	5.07	-3.83	18.65	36.99
BW: 5M QPSK	707.5	23095	V	17.09	5.08	-3.85	18.32	36.99
	101.5	23033	Н	17.00	5.08	-3.85	18.23	36.99
RB: 1,24	713.5	23155	V	18.43	5.09	-3.87	19.65	36.99
ND. 1,24	7 10.0	23133	Н	18.30	5.09	-3.87	19.52	36.99
LTE	701.5	23035	V	16.71	5.06	-3.82	17.95	36.99
BAND 12	701.5	23033	Н	15.21	5.05	-3.82	16.44	17.43       36.99         17.03       36.99         19.74       36.99         18.49       36.99         17.70       36.99         18.34       36.99         18.65       36.99         18.23       36.99         19.65       36.99         19.52       36.99         19.53       36.99         19.55       36.99         19.58       36.99         17.82       36.99         19.87       36.99         19.87       36.99         19.64       36.99         19.64       36.99
BW: 5M	707.5	23095	V	18.32	5.07	-3.84	19.55	36.99
16QAM	101.5	23033	Н	18.35	5.07	-3.84	19.58	36.99
RB: 1,0	713.5	23155	V	17.39	5.08	-3.85	18.62	36.99
ND. 1,0	7 13.5	23133	Н	16.59	5.08	-3.85	17.82	36.99
LTE	701.5	23035	V	18.80	5.07	-3.83	20.04	36.99
BAND 12	701.5	23033	Н	18.63	5.07	-3.83	19.87	36.99
	707.5	23095	V	17.79	5.08	-3.85	19.02	36.99
BW: 5M 16QAM -	C. 101	23093	Н	17.61	5.08	-3.85	18.84	36.99
	713.5	22155	V	18.42	5.09	-3.87	19.64	36.99
RB: 1,24	1 13.3	23155	Н	18.78	5.09	-3.87	20.00	36.99

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	704.0	23060	V	17.82	5.08	-3.85	19.05	36.99
BAND 12	704.0	23000	Н	17.85	5.08	-3.85	19.08	36.99
BW: 10M	707.5	23095	V	18.49	5.07	-3.83	19.73	36.99
QPSK	101.5	23093	Н	17.40	5.07	-3.83	18.64	36.99
RB: 1,0	711.0	23130	V	18.04	5.08	-3.85	19.27	36.99
KD. 1,0	711.0	23130	Н	18.33	5.08	-3.85	19.56	36.99
LTE	704.0	23060	V	18.44	5.09	-3.86	19.67	36.99
BAND 12	704.0	23000	Н	19.73	5.09	-3.86	20.96     36.       18.34     36.       18.66     36.	36.99
	707.5	23095	V	17.12	5.08	-3.86	18.34	36.99
BW: 10M QPSK	101.5	23093	Н	17.44	5.08	-3.86	18.66	36.99
RB: 1,49	711.0	23130	V	19.01	5.09	-3.86	20.24	36.99
KD. 1,49	711.0	23130	Н	19.60	5.09	-3.86	20.83	36.99
LTE	704.0	23060	V	18.12	5.08	-3.85	19.35	36.99
BAND 12	704.0	23000	Н	18.34	5.08	-3.85	19.57	36.99
BW: 10M	707.5	23095	V	18.46	5.07	-3.83	19.70	36.99
16QAM	101.5	23033	Н	18.39	5.07	-3.83	19.63	36.99
RB: 1,0	711.0	23130	V	17.86	5.08	-3.85	19.09	36.99
ND. 1,0	711.0	23130	Н	17.84	5.08	-3.85	19.07	36.99
LTE	704.0	23060	V	18.92	5.09	-3.86	20.15	36.99
	704.0	23000	Н	19.05	5.09	-3.86	20.28	36.99
BAND 12 - BW: 10M 16QAM - RB: 1,49	707.5	23095	V	16.96	5.08	-3.86	18.18	36.99
	6.101	23093	Н	16.93	5.09	-3.86	18.16	36.99
	711.0	23130	V	18.85	5.09	-3.86	20.08	36.99
ND. 1,49	711.0	23130	Н	18.80	5.09	-3.86	20.03	36.99

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	ERP	Limit
Band	Frequency	OII	Pol.	Output	Gain	Loss	LIVI	Lillit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	779.5	23205	V	19.73	5.19	-4.03	20.89	34.77
BAND 13	113.5	20200	Н	19.39	5.19	-4.04	20.54	34.77
BW: 5M	782.0	23230	V	20.61	5.20	-4.05	21.76	34.77
QPSK	102.0	20200	Н	20.68	5.20	-4.05	21.83	34.77
RB: 1,0	784.5	23255	V	21.19	5.20	-4.05	22.34	34.77
110. 1,0	704.0	20200	Н	22.19	5.20	-4.06	23.33	34.77
LTE	779.5	23205	V	21.14	5.20	-4.05	22.29	34.77
BAND 13	115.5	20200	Н	21.14	5.20	-4.06	22.28	34.77
BW: 5M QPSK	782.0	23230	V	20.44	5.20	-4.06	21.58	34.77
	102.0	23255 23205 23230 23255 23205	Н	20.63	5.20	-4.07	21.76	34.77
RB: 1,24	784.5	23255	V	19.74	5.20	-4.07	20.87	34.77
110. 1,21	704.5	20200	Н	18.86	5.20	-4.07	19.99	34.77
LTE	779.5	23205	V	18.86	5.19	-4.04	20.01	34.77
BAND 13	113.5	20200	Н	19.39	5.19	-4.04	20.54	34.77
BW: 5M	782.0	23230	V	19.88	5.20	-4.05	21.03	34.77
16QAM	102.0	20200	Н	21.10	5.20	-4.05	22.25	34.77
RB: 1,0	784.5	23255	V	21.61	5.20	-4.06	22.75	34.77
110. 1,0	704.5	20200	Н	21.64	5.20	-4.06	22.78	34.77
ITE	779.5	23205	V	20.68	5.20	-4.05	21.83	34.77
LTE BAND 13	113.0	20200	Н	21.33	5.20	-4.06	22.47	34.77
BAND 13 BW: 5M 16QAM RB: 1,24	782.0	23230	V	20.27	5.20	-4.06	21.41	34.77
	102.0	20200	Н	20.22	5.20	-4.07	21.35	34.77
	784.5	34.5 23255	V	18.40	5.20	-4.07	19.53	34.77
130. 1,21	704.0	20200	Н	18.58	5.20	-4.08	19.70	34.77

Remark: (1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
LTE BAND 13 BW: 10M	MHz		V/H	dBm	dBd	dB	dBm	dBm
QPSK	782.0	23230	V	19.79	5.19	-4.04	20.94	34.77
RB: 1,0	702.0	23230	Н	18.61	5.19	-4.04	19.76	34.77
QPSK	782.0	23230	V	19.51	5.20	-4.07	20.64	34.77
RB: 1,49	702.0	23230	Н	18.72	5.20	-4.07	19.85	34.77
16QAM	782.0	23230	V	19.29	5.19	-4.04	20.44	34.77
RB: 1,0	702.0	23230	Н	18.75	5.19	-4.04	19.90	34.77
16QAM	782.0	23230	V	19.47	5.20	-4.07	20.60	34.77
RB: 1,49	102.0	23230	Н	18.65	5.20	-4.08	19.77	34.77

Remark: 3PA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurer	ment		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
	706.5	23755	V	18.40	5.07	-3.84	19.63	24.77
LTE	700.5	23733	Н	18.91	5.07	-3.83	20.15	24.77
BAND 17 BW: 5M	710.0	23790	V	16.87	5.08	-3.84	18.11	24.77
QPSK	7 10.0	23190	Н	17.73	5.08	-3.84	18.97	24.77
RB: 1,0	713.5	23825	V	16.20	5.08	-3.85	17.43	24.77
	7 15.5	23023	Н	17.96	5.08	-3.85	19.19	24.77
	706.5	23755	V	16.71	5.08	-3.85	17.94	24.77
LTE	700.5	23/33	Н	17.85	5.08	-3.85	19.08	24.77
BAND 17	710.0	23790	V	16.47	5.08	-3.86	17.69	24.77
BW: 5M QPSK	7 10.0	23/90	Н	18.27	5.09	-3.86	19.50	24.77
RB: 1,24	713.5	23825	V	17.94	5.09	-3.87	19.16	24.77
	7 15.5	23023	Н	19.71	5.09	-3.87	20.93	24.77
	706.5	5 23755	V	18.33	5.07	-3.83	19.57	24.77
LTE	700.5	23/33	Н	19.92	5.07	-3.83	21.16	24.77
BAND 17 BW: 5M	710.0	23790	V	17.05	5.08	-3.85	18.28	24.77
16QAM	7 10.0	23/90	Н	18.64	5.08	-3.84	19.88	24.77
RB: 1,0	713.5	23825	V	16.22	5.08	-3.85	17.45	24.77
	7 15.5	23025	Н	18.44	5.08	-3.85	19.67	24.77
	706.5	23755	V	17.10	5.08	-3.85	18.33	24.77
LTE	7 00.5	23133	Н	18.54	5.08	-3.85	19.77	24.77
BAND 17 BW: 5M 16QAM RB: 1,24	710.0	23790	V	16.70	5.08	-3.86	17.92	24.77
	7 10.0	23130	Н	18.68	5.09	-3.86	19.91	24.77
	713.5	23825	V	18.07	5.09	-3.87	19.29	24.77
	7 10.0	20020	Н	20.04	5.09	-3.87	21.26	24.77

<sup>3</sup>A for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	Measurement							
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
LTE	709.0	23780	V	18.56	5.07	-3.83	19.80	24.77
			Н	18.61	5.07	-3.84	19.84	24.77
BAND 17 BW: 10M	710.0	23790	V	17.45	5.07	-3.84	18.68	24.77
QPSK	7 10.0		Н	18.68	5.07	-3.84	19.91	24.77
RB: 1,0	711.0	23800	V	17.86	5.07	-3.84	19.09	24.77
	711.0	23000	Н	17.99	5.07	-3.84	19.22	24.77
	709.0	23780	V	16.92	5.09	-3.86	18.15	24.77
LTE			Н	17.98	5.09	-3.86	19.21	24.77
BAND 17 BW: 10M	710.0	23790	V	17.02	5.09	-3.86	18.25	24.77
QPSK			Н	18.92	5.09	-3.86	20.15	24.77
RB: 1,49	711.0	23800	V	17.99	5.09	-3.87	19.21	24.77
			Н	19.54	5.09	-3.87	20.76	24.77
	709.0	23780	V	19.09	5.07	-3.83	20.33	24.77
LTE			Н	19.56	5.07	-3.83	20.80	24.77
BAND 17 BW: 10M	710.0	23790	V	18.14	5.07	-3.84	19.37	24.77
16QAM			Н	18.97	5.07	-3.84	20.20	24.77
RB: 1,0	711.0	23800	V	17.34	5.07	-3.84	18.57	24.77
			Н	18.58	5.07	-3.84	19.81	24.77
LTE BAND 17 BW: 10M 16QAM RB: 1,49	709.0	23780	V	16.89	5.09	-3.86	18.12	24.77
			Н	18.05	5.09	-3.86	19.28	24.77
	710.0	23790	V	17.47	5.09	-3.86	18.70	24.77
			Н	19.31	5.09	-3.87	20.53	24.77
	711.0	23800	V	18.11	5.09	-3.87	19.33	24.77
		23000	Н	20.61	5.09	-3.87	21.83	24.77

<sup>3</sup>A for frequency RBW= 8MHz, VBW= 8MHz Remark:

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EUT			Measurement						
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit	
	MHz		V/H	dBm	dBi	dB	dBm	dBm	
	824.7	26797	V	17.78	5.14	-4.18	18.74	38.50	
LTE			Н	22.07	5.14	-4.18	23.03	38.50	
BAND 26 BW: 1.4M	836.5	20045	V	19.64	5.10	-4.22	20.52	38.50	
QPSK	030.3	26915	Н	23.09	5.10	-4.22	23.97	38.50	
RB: 1,0	0.40.2	27033	V	18.87	5.06	-4.26	19.67	38.50	
110. 1,0	848.3		Н	23.03	5.06	-4.26	23.83	38.50	
LTE	824.7	26797	V	17.47	5.14	-4.18	18.43	38.50	
LTE BAND 26			Н	21.41	5.13	-4.18	22.36	38.50	
BW: 1.4M	836.5	26915	V	19.08	5.09	-4.23	19.94	38.50	
QPSK			Н	22.84	5.09	-4.23	23.70	38.50	
RB: 1,5	848.3	27033	V	18.81	5.05	-4.27	19.59	38.50	
110. 1,0			Н	21.67	5.06	-4.26	22.47	38.50	
LTE	824.7	26797	V	16.93	5.14	-4.18	17.89	38.50	
BAND 26			Н	21.17	5.14	-4.18	22.13	38.50	
BW: 1.4M	836.5	26915	V	19.51	5.10	-4.22	20.39	38.50	
16QAM			Н	23.47	5.09	-4.23	24.33	38.50	
RB: 1,0	848.3	27033	V	18.94	5.06	-4.26	19.74	38.50	
113. 1,0		21000	Н	23.05	5.06	-4.26	23.85	38.50	
LTE	824.7	26797	V	17.64	5.13	-4.18	18.59	38.50	
BAND 26			Н	21.13	5.13	-4.18	22.08	38.50	
BW: 1.4M	836.5	26915	V	19.52	5.09	-4.23	20.38	38.50	
16QAM		20010	Н	22.86	5.09	-4.23	23.72	38.50	
RB: 1,5	848.3	27033	V	18.91	5.06	-4.26	19.71	38.50	
יט. ו,ט		21000	Н	23.10	5.06	-4.26	23.90	38.50	

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	Measurement							
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
	825.5	26805	V	17.44	5.13	-4.18	18.39	38.50
LTE			Н	21.47	5.14	-4.18	22.43	38.50
BAND 26	000.5	00045	V	19.35	5.10	-4.22	20.23	38.50
BW: 3M QPSK	836.5	26915	Н	22.69	5.10	-4.22	23.57	38.50
RB: 1,0	847.5	27025	V	19.25	5.06	-4.26	20.05	38.50
ND. 1,0	047.3	27023	Н	20.52	5.06	-4.26	21.32	38.50
LTE	825.5	26805	V	17.26	5.13	-4.19	18.20	38.50
LTE			Н	21.98	5.13	-4.19	22.92	38.50
BAND 26 BW: 3M	836.5	26915	V	18.39	5.09	-4.23	19.25	38.50
QPSK			Н	23.15	5.09	-4.23	24.01	38.50
RB: 1,14	847.5	27025	V	19.40	5.06	-4.26	20.20	38.50
ND. 1, 14			Н	22.56	5.06	-4.26	23.36	38.50
LTE	825.5	26805	V	17.35	5.14	-4.18	18.31	38.50
BAND 26			Н	21.23	5.14	-4.18	22.19	38.50
BW: 3M	836.5	26915	V	19.12	5.10	-4.22	20.00	38.50
16QAM			Н	23.05	5.10	-4.22	23.93	38.50
RB: 1,0	847.5	27025	V	17.90	5.06	-4.26	18.70	38.50
110. 1,0			Н	20.87	5.07	-4.26	21.68	38.50
LTE	825.5	26805	V	16.97	5.13	-4.19	17.91	38.50
LTE BAND 26 BW: 3M 16QAM RB: 1,14			Н	20.75	5.13	-4.19	21.69	38.50
	836.5	26915	V	18.92	5.09	-4.23	19.78	38.50
			Н	22.95	5.09	-4.23	23.81	38.50
	847.5	27025	V	19.56	5.06	-4.26	20.36	38.50
			Н	22.08	5.06	-4.26	22.88	38.50

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	Measurement							
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
	826.5	26815	V	17.64	5.14	-4.18	18.60	38.50
LTE			Н	21.51	5.14	-4.18	22.47	38.50
BAND 26	020 5	00045	V	19.31	5.10	-4.22	20.19	38.50
BW: 5M	836.5	26915	Н	23.55	5.10	-4.22	24.43	38.50
QPSK RB: 1,0	9.46 E	27015	V	16.31	5.07	-4.25	17.13	38.50
ND. 1,0	846.5	27015	Н	20.85	5.07	-4.25	21.67	38.50
LTE	826.5	26815	V	17.88	5.12	-4.19	18.81	38.50
LTE			Н	21.60	5.12	-4.20	22.52	38.50
BAND 26 BW: 5M	836.5	26915	V	19.04	5.09	-4.23	19.90	38.50
QPSK			Н	23.12	5.09	-4.24	23.97	38.50
RB: 1,24	846.5	27015	V	18.54	5.06	-4.26	19.34	38.50
ND. 1,24			Н	22.43	5.06	-4.27	23.22	38.50
LTE	826.5	26815	V	16.90	5.14	-4.18	17.86	38.50
LTE BAND 26			Н	21.71	5.14	-4.18	22.67	38.50
BW: 5M	836.5	26915	V	19.44	5.10	-4.22	20.32	38.50
16QAM			Н	23.46	5.10	-4.22	24.34	38.50
RB: 1,0	846.5	27015	V	16.44	5.07	-4.25	17.26	38.50
110. 1,0			Н	20.71	5.07	-4.25	21.53	38.50
LTE	826.5	26815	V	17.20	5.12	-4.19	18.13	38.50
LTE			Н	21.73	5.12	-4.19	22.66	38.50
BAND 26 BW: 5M	836.5	26915	V	19.26	5.09	-4.23	20.12	38.50
16QAM			Н	23.83	5.09	-4.23	24.69	38.50
RB: 1,24	846.5	27015	V	19.07	5.06	-4.26	19.87	38.50
			Н	23.41	5.06	-4.26	24.21	38.50

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
	000.0	00040	V	19.85	5.13	-4.18	20.80	38.50
LTE	829.0	26840	Н	26.69	5.14	-4.18	27.65	38.50
BAND 26 BW: 10M	836.5	26915	V	17.48	5.11	-4.21	18.38	38.50
QPSK	030.3	20913	Н	22.15	5.11	-4.21	23.05	38.50
RB: 1,0	844.0	26990	V	19.05	5.09	-4.24	19.90	38.50
110. 1,0	044.0	20990	Н	22.78	5.08	-4.24	23.62	38.50
LTE	829.0	26840	V	20.36	5.11	-4.21	21.26	38.50
LTE BAND 26	029.0		Н	22.58	5.11	-4.21	23.48	38.50
BW: 10M	836.5	26915	V	18.92	5.08	-4.24	19.76	38.50
QPSK	030.5		Н	23.06	5.08	-4.24	23.90	38.50
RB: 1,49	844.0	26840 - 26915 - 26990 - 26840 -	V	18.90	5.06	-4.26	19.70	38.50
110. 1, 10	044.0	20330	Н	23.31	5.06	-4.26	24.11	38.50
LTE	829.0	26840	V	19.87	5.13	-4.18	20.82	38.50
BAND 26	023.0	20040	Н	21.48	5.14	-4.18	22.44	38.50
BW: 10M	836.5	26915	V	17.27	5.11	-4.21	18.17	38.50
16QAM	030.5	20313	Н	21.91	5.11	-4.21	22.81	38.50
RB: 1,0	844.0	26990	V	18.65	5.09	-4.24	19.50	38.50
113. 1,0	044.0	20330	Н	23.58	5.09	-4.24	24.43	38.50
LTE	829.0	26840	V	20.46	5.11	-4.21	21.36	38.50
BAND 26	020.0	20070	Н	23.38	5.11	-4.21	24.28	38.50
BW: 10M	836.5	26915	V	18.68	5.08	-4.24	19.52	38.50
16QAM	000.0	20010	Н	22.34	5.08	-4.24	21.26 23.48 19.76 23.90 19.70 24.11 20.82 22.44 18.17 22.81 19.50 <b>24.43</b> 21.36 24.28	38.50
RB: 1,49	844.0	26990	V	19.84	5.06	-4.26	20.64	38.50
110. 1, 10	υ <del>τ1</del> .υ	20330	Н	23.22	5.06	-4.26	24.02	38.50

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
		00005	V	20.18	5.13	-4.18	21.13	38.50
LTE	831.5	26865	Н	21.40	5.14	-4.18	22.36	38.50
BAND 26	020 5	00045	V	20.10	5.12	-4.20	21.02	38.50
BW: 15M	836.5	26915	Н	21.93	5.12	-4.20	22.85	38.50
QPSK RB: 1,0	0/15	26065	V	21.18	5.10	-4.22	22.06	38.50
ND. 1,0	841.5	26965	Н	22.92	5.10	-4.22	23.80	38.50
LTE	831.5	26865	V	20.41	5.09	-4.23	21.27	38.50
LTE	031.3	20000	Н	23.08	5.09	-4.23	23.94	38.50
BAND 26 BW: 15M	836.5	26015	V	17.58	5.08	-4.25	18.41	38.50
QPSK	030.3	20915	Н	21.01	5.07	-4.25	21.83	38.50
RB: 1,74	841.5	26915 <del>-</del> 26965 <del>-</del>	V	19.35	5.06	-4.26	20.15	38.50
ND. 1,74	041.5		Н	22.92	5.06	-4.26	23.72	38.50
LTE	831.5	26865	V	19.35	5.13	-4.18	20.30	38.50
LTE BAND 26	031.3	20003	Н	20.50	5.14	-4.18	21.46	38.50
BW: 15M	836.5	26915	V	19.36	5.12	-4.20	20.28	38.50
16QAM	030.3	20915	Н	21.38	5.12	-4.20	22.30	38.50
RB: 1,0	841.5	26965	V	21.24	5.10	-4.22	22.12	38.50
110. 1,0	041.5	20905	Н	23.57	5.10	-4.22	24.45	38.50
LTE	831.5	26865	V	21.29	5.09	-4.23	22.15	38.50
LTE BAND 26	031.3	20003	Н	23.48	5.09	-4.23	24.34	38.50
	836.5	26915	V	18.05	5.08	-4.25	18.88	38.50
BW: 15M 16QAM RB: 1,74	030.3	20313	Н	21.75	5.08	-4.25	22.58	38.50
	841.5	26965	V	19.12	5.06	-4.26	19.92	38.50
110. 1,17	041.0	20300	Н	22.71	5.06	-4.26	23.51	38.50

(1) The RBW, VBW of SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
	MHz		V/H	dBm	dBd	dB	dBm	dBm
1.TE	706.5	23755	V	12.57	10.51	-7.59	15.49	24.77
LTE	700.5	23733	Н	17.87	10.51	-7.59	20.79	24.77
BAND 30 BW: 5M	710.0	23790	V	17.31	10.51	-7.59	20.23	24.77
QPSK	7 10.0	23130	Н	18.34	10.51	-7.59	21.26	24.77
RB: 1,0	713.5	23825	V	13.00	10.51	-7.59	15.92	24.77
11.5.1,0	710.0	20020	Н	17.49	10.51	-7.59	20.41	24.77
LTE	706.5	23755	V	12.97	10.51	-7.59	15.89	24.77
BAND 30	700.5	20100	Н	17.29	10.51	-7.59	20.21	24.77
	710.0	23790	V	16.16	10.51	-7.60	19.07	24.77
BW: 5M QPSK	7 10.0	23130	Н	17.00	10.51	-7.60	19.91	24.77
RB: 1,24	713.5	23825	V	12.09	10.52	-7.60	15.01	24.77
110. 1,21	7 10.0	23023	Н	16.58	10.51	-7.60	19.49	24.77
LTE	706.5	23755	V	13.61	10.51	-7.59	16.53	24.77
BAND 30	700.5	20100	Н	18.35	10.51	-7.59	21.27	24.77
BW: 5M	710.0	23790	V	16.48	10.51	-7.59	19.40	24.77
16QAM	7 10.0	23130	Н	18.05	10.51	-7.59	20.97	24.77
RB: 1,0	713.5	23825	V	12.95	10.51	-7.59	15.87	24.77
11.5.1,0	7 10.0	20020	Н	17.36	10.51	-7.59	20.28	24.77
LTE	706.5	23755	V	12.62	10.51	-7.59	15.54	24.77
LTE BAND 30	100.5	20100	Н	17.25	10.51	-7.59	20.17	24.77
	710.0	23790	V	14.95	10.51	-7.60	17.86	24.77
BW: 5M 16QAM RB: 1,24	7 10.0	20130	Н	16.24	10.51	-7.60	19.15	24.77
	713.5	23825	V	11.86	10.51	-7.60	14.77	24.77
110. 1,21	7 10.0	20020	Н	16.50	10.51	-7.60	19.41	24.77

Remark: 3PA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit
LTE BAND 30 BW: 10M	MHz		V/H	dBm	dBd	dB	dBm	dBm
QPSK	2310.0	27710	V	16.23	10.51	-7.59	19.15	34.77
RB: 1,0	2310.0	27710	Н	17.43	10.51	-7.59	20.35	34.77
QPSK	2310.0	27710	V	14.78	10.51	-7.60	17.69	34.77
RB: 1,49	2310.0	27710	Н	16.53	10.51	-7.60	19.44	34.77
16QAM	2310.0	27710	V	16.46	10.51	-7.59	19.38	34.77
RB: 1,0	2310.0	2//10	Н	16.22	10.51	-7.59	19.14	34.77
16QAM	2210.0	27710	V	15.09	10.51	-7.60	18.00	34.77
RB: 1,49	2310.0	21110	Н	16.85	10.51	-7.60	19.76	34.77

3PA for frequency RBW= 8MHz , VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	J	Pol.	Output	Gain	Loss	\.	
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2572.5	37775	V	12.33	10.78	-7.91	15.20	33.00
BAND 38	2012.0	01110	Н	18.47	10.78	-7.91	21.34	33.00
BW: 5M	2595.0	38000	V	10.92	10.81	-7.93	13.80	33.00
QPSK	2000.0	30000	Н	19.12	10.81	-7.93	22.00	33.00
RB: 1,0	2617.5	38225	V	10.81	10.84	-7.96	13.69	33.00
110.1,0	2017.3	30223	Н	19.47	10.84	-7.96	22.35	33.00
LTE	2572.5	37775	V	10.84	10.79	-7.91	13.72	33.00
BAND 38	2012.0	31113	Н	19.13	10.79	-7.91	22.01	33.00
BW: 5M QPSK	2595.0	38000	V	11.74	10.82	-7.94	14.62	33.00
	2393.0	30000	Н	19.57	10.82	-7.94	22.45	33.00
RB: 1,24	2617.5	38225	V	12.02	10.84	-7.96	14.90	33.00
110. 1,21	2017.3	30223	Н	19.50	10.84	-7.96	22.38	33.00
I TE	2572.5	37775	٧	10.92	10.78	-7.91	13.79	33.00
LTE BAND 38	2372.3	31113	Н	18.74	10.78	-7.91	21.61	33.00
BW: 5M	2595.0	38000	V	11.02	10.81	-7.93	13.90	33.00
16QAM	2393.0	30000	Н	19.12	10.81	-7.93	22.00	33.00
RB: 1,0	2617.5	38225	V	11.62	10.84	-7.95	14.51	33.00
110. 1,0	2017.3	30223	Н	19.90	10.84	-7.96	22.78	33.00
LTE	2572.5	37775	V	10.47	10.79	-7.91	13.35	33.00
LTE	2312.3	31113	Н	18.42	10.79	-7.91	21.30	33.00
BAND 38 BW: 5M 16QAM RB: 1,24	2595.0	38000	V	11.02	10.82	-7.94	13.90	33.00
	2030.0	30000	Н	18.91	10.82	-7.94	21.79	33.00
	2617.5	38225	V	12.63	10.84	-7.96	15.51	33.00
11D. 1,27	2017.3	30223	Н	19.40	10.84	-7.96	22.28	33.00

Remark: PA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	J	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2575.0	37800	V	10.95	10.79	-7.91	13.83	33.00
BAND 38	237 5.0	37000	Н	18.63	10.79	-7.91	21.51	33.00
BW: 10M	2595.0	38000	V	10.79	10.81	-7.93	13.67	33.00
QPSK	2000.0	30000	Н	19.61	10.81	-7.93	22.49	33.00
RB: 1,0	2615.0	38200	V	10.51	10.83	-7.95	13.39	33.00
110. 1,0	2015.0	30200	Н	19.03	10.83	-7.95	21.91	33.00
LTE	2575.0	37800	V	10.61	10.80	-7.92	13.49	33.00
LTE	237 3.0	37000	Н	18.31	10.80	-7.92	21.19	33.00
BAND 38	2595.0	38000	V	11.51	10.82	-7.94	14.39	33.00
BW: 10M QPSK	2090.0	30000	Н	18.91	10.82	-7.94	21.79	33.00
RB: 1,49	2615.0	39300	V	12.15	10.84	-7.96	15.03	33.00
110. 1,40	2015.0	30200	Н	19.35	10.84	-7.96	22.23	33.00
LTE	2575.0	38200 · 37800 ·	V	10.11	10.78	-7.91	12.98	33.00
LTE BAND 38	2373.0	37000	Н	18.35	10.78	-7.91	21.22	33.00
BW: 10M	2595.0	38000	V	10.58	10.81	-7.93	13.46	33.00
16QAM	2090.0	30000	Н	18.38	10.81	-7.93	21.26	33.00
RB: 1,0	2615.0	38200	V	11.67	10.83	-7.95	14.55	33.00
110. 1,0	2015.0	30200	Н	18.80	10.83	-7.95	21.68	33.00
1.75	2575.0	27000	V	11.22	10.80	-7.92	14.10	33.00
LTE	2575.0	37800	Н	18.19	10.80	-7.92	21.07	33.00
BAND 38 BW: 10M 16QAM RB: 1,49	2505.0	38000	V	11.64	10.82	-7.94	14.52	33.00
	2595.0	30000	Н	19.05	10.82	-7.94	21.93	33.00
	2615.0	20200	V	13.01	10.84	-7.96	15.89	33.00
1\U. 1, <del>1</del> 0	2615.0	38200	Н	19.90	10.84	-7.96	22.78	33.00

Remark: PA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	J	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2577.5	37825	V	11.68	10.79	-7.91	14.56	33.00
BAND 38	2011.0	37023	Н	19.11	10.78	-7.91	21.98	33.00
BW: 15M	2595.0	38000	V	11.02	10.81	-7.93	13.90	33.00
QPSK	2000.0	30000	Н	19.45	10.81	-7.93	22.33	33.00
RB: 1,0	2612.5	38175	V	11.60	10.83	-7.95	14.48	33.00
110. 1,0	2012.3	30173	Н	18.81	10.83	-7.95	21.69	33.00
LTE	2577.5	37825	V	10.74	10.80	-7.92	13.62	33.00
BAND 38	2011.0	37023	Н	18.80	10.80	-7.92	21.68	33.00
BW: 15M QPSK	2595.0	38000	V	12.17	10.82	-7.94	15.05	33.00
	2393.0	30000	Н	19.20	10.82	-7.94	22.08	33.00
RB: 1,74	2612.5	38175	V	12.31	10.84	-7.96	15.19	33.00
110. 1,11	2012.3	30173	Н	20.10	10.84	-7.96	22.98	33.00
LTE	2577.5	37825	V	10.42	10.79	-7.91	13.30	33.00
BAND 38	2311.3	37023	Н	19.16	10.79	-7.91	22.04	33.00
BW: 15M	2595.0	38000	V	10.50	10.81	-7.93	13.38	33.00
16QAM	2000.0	30000	Н	19.25	10.81	-7.93	22.13	33.00
RB: 1,0	2612.5	38175	V	11.89	10.83	-7.95	14.77	33.00
110. 1,0	2012.3	30173	Н	19.95	10.83	-7.95	22.83	33.00
I TE	2577.5	37825	V	10.50	10.80	-7.92	13.38	33.00
LTE	2311.3	31023	Н	19.07	10.80	-7.92	21.95	33.00
BAND 38 BW: 15M 16QAM RB: 1,74	2595.0	38000	V	11.41	10.82	-7.94	14.29	33.00
	2030.0	30000	Н	19.04	10.82	-7.94	21.92	33.00
	2612.5	38175	V	13.03	10.84	-7.96	15.91	33.00
110. 1,17	2612.5	38175	Н	20.21	10.84	-7.96	23.09	33.00

Remark: PA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	0	Pol.	Output	Gain	Loss	LIIXI	
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2580.0	37850	V	10.62	10.79	-7.91	13.50	33.00
BAND 38	2500.0	37000	Н	19.36	10.79	-7.91	22.24	33.00
BW: 20M	2595.0	38000	V	10.76	10.80	-7.93	13.63	33.00
QPSK	2000.0	30000	Н	19.45	10.80	-7.92	22.33	33.00
RB: 1,0	2610.0	38150	V	11.74	10.82	-7.94	14.62	33.00
110. 1,0	2010.0	30130	Н	19.64	10.82	-7.94	22.52	33.00
LTE	2580.0	37850	V	11.26	10.81	-7.93	14.14	33.00
LTE BAND 38	2300.0	37030	Н	20.13	10.81	-7.93	23.01	33.00
BW: 20M QPSK	2595.0	37850 <b>-</b> 38000 <b>-</b> 38150 <b>-</b>	٧	11.14	10.82	-7.94	14.02	33.00
	2393.0	30000	Н	19.97	10.83	-7.94	22.86	33.00
RB: 1,99	2610.0	38150	V	12.34	10.84	-7.96	15.22	33.00
110. 1,00	2010.0	30130	Н	20.05	10.84	-7.96	22.93	33.00
LTE	2580.0	37850	V	11.23	10.79	-7.91	14.11	33.00
BAND 38	2300.0	37030	Н	19.33	10.79	-7.91	22.21	33.00
BW: 20M	2595.0	38000	V	9.93	10.80	-7.92	12.81	33.00
16QAM	2393.0	30000	Н	19.05	10.80	-7.93	21.92	33.00
RB: 1,0	2610.0	38150	V	12.10	10.82	-7.94	14.98	33.00
110. 1,0	2010.0	30130	Н	18.95	10.82	-7.94	21.83	33.00
LTE	2580.0	37850	V	10.31	10.81	-7.93	13.19	33.00
LTE	2500.0	37850	Н	19.24	10.81	-7.93	22.12	33.00
BAND 38 BW: 20M 16QAM RB: 1,99	2595.0	38000	V	11.68	10.83	-7.94	14.57	33.00
	2030.0	30000	Н	19.45	10.82	-7.94	22.33	33.00
	2610.0	20150	V	12.42	10.84	-7.96	15.30	33.00
ועט. ו,טט	2610.0	38150	Н	19.78	10.84	-7.96	22.66	33.00

Remark: PA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measuren	nent		
Operation Band	Fundamental	СН	Antenna Pol.	S.G.	Antenna Gain	Cable	EIRP	Limit
Dallu	Frequency		V/H	Output dBm		Loss	dBm	dBm
	MHz				<b>dBi</b>	<b>dB</b>		
LTE	2498.5	39675	V H	18.93 14.30	10.70 10.70	-7.83 -7.83	21.80 17.17	33.00 33.00
BAND 41			V	17.74	10.70	-7.93	20.62	33.00
BW: 5M	2593.0	40620	H	14.06	10.81	-7.93 -7.93	16.94	33.00
QPSK			V	16.66	10.01	-8.03	19.55	33.00
RB: 1,0	2687.5	39675 -	H	11.19	10.92	-8.03	14.08	33.00
			V	19.99	10.70	-7.83	22.86	33.00
LTE	2498.5	39675	H	15.65	10.70	-7.83	18.52	33.00
BAND 41			V	17.82	10.81	-7.93	20.70	33.00
BW: 5M	2593.0	40620	H	14.85	10.81	-7.93	17.73	33.00
QPSK		44-0-	V	17.39	10.93	-8.03	20.29	33.00
RB: 1,24	2687.5	41565	Н	11.54	10.93	-8.03	14.44	33.00
	0400 5	20075	V	19.96	10.70	-7.83	22.83	33.00
LTE DAND 44	2498.5	39075	Н	14.26	10.70	-7.83	17.13	33.00
BAND 41	0500.0	40000	V	19.03	10.81	-7.93	21.91	33.00
BW: 5M	2593.0	40020	Н	14.16	10.81	-7.93	17.04	33.00
16QAM	0607 F	11ECE	V	17.35	10.92	-8.03	20.24	33.00
RB: 1,0	2687.5	41000	Н	11.65	10.92	-8.03	14.54	33.00
LTE	2409.5	20675	V	20.07	10.70	-7.83	22.94	33.00
LTE	2498.5	39073	Н	14.78	10.70	-7.83	17.65	33.00
BAND 41 - BW: 5M 16QAM - RB: 1,24	2593.0	40620	V	18.96	10.81	-7.93	21.84	33.00
	2030.U	40020	Н	15.01	10.81	-7.93	17.89	33.00
	2687.5	41565	V	17.32	10.93	-8.03	20.22	33.00
110. 1,24	2001.J	41303	Н	11.59	10.93	-8.03	14.49	33.00

Remark: PA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measuren	nent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2504.0	20700	V	18.98	10.70	-7.83	21.85	33.00
LTE	2501.0	39700	Н	15.33	10.70	-7.83	18.20	33.00
BAND 41	2593.0	40620	V	17.13	10.81	-7.93	20.01	33.00
BW: 10M QPSK	2090.0	40020	Н	15.16	10.81	-7.93	18.04	33.00
RB: 1,0	2685.0	41540	V	16.44	10.92	-8.02	19.34	33.00
ND. 1,0	2000.0	41540	Н	11.24	10.92	-8.02	14.14	33.00
LTE	2501.0	39700	V	20.41	10.71	-7.84	23.28	33.00
BAND 41	2501.0	39700	Н	16.07	10.71	-7.84	18.94	33.00
BW: 10M	2593.0	40620	V	17.64	10.82	-7.94	20.52	33.00
QPSK -	2333.0	40020	Н	14.14	10.82	-7.94	17.02	33.00
RB: 1,49	2685.0	11510	V	16.75	10.93	-8.03	19.65	33.00
110. 1,43	2003.0	41540	Н	11.58	10.93	-8.03	14.48	33.00
LTE	2501.0	39700	V	18.58	10.70	-7.83	21.45	33.00
BAND 41	2301.0	33700	Н	14.93	10.70	-7.83	17.80	33.00
BW: 10M	2593.0	40620	V	18.13	10.81	-7.93	21.01	33.00
16QAM	2000.0	40020	Н	15.23	10.81	-7.93	18.11	33.00
RB: 1,0	2685.0	41540	V	16.60	10.92	-8.02	19.50	33.00
IND. 1,0	2003.0	41340	Н	10.92	10.92	-8.02	13.82	33.00
LTE	2501.0	39700	V	19.51	10.71	-7.84	22.38	33.00
	2001.0	00100	Н	16.10	10.71	-7.84	18.97	33.00
BAND 41 - BW: 10M 16QAM - RB: 1,49	2593.0	40620	V	18.49	10.82	-7.94	21.37	33.00
	2000.0	70020	Н	15.23	10.82	-7.94	18.11	33.00
	2685.0	41540	V	16.82	10.93	-8.03	19.72	33.00
ו עד, ו	2000.0	71070	Н	10.78	10.93	-8.03	13.68	33.00

Remark: PA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measuren	nent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss	LIIXI	
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2503.5	39725	V	19.05	10.70	-7.83	21.92	33.00
BAND 41	2000.0	03120	Н	14.07	10.70	-7.83	16.94	33.00
BW: 15M	2593.0	40620	V	18.02	10.80	-7.92	20.90	33.00
QPSK	2000.0	40020	Н	15.04	10.81	-7.93	17.92	33.00
RB: 1,0	2682.5	41515	V	17.41	10.91	-8.02	20.30	33.00
110. 1,0	2002.3	41313	Н	10.26	10.91	-8.02	13.15	33.00
LTE	2503.5	30725	V	20.72	10.71	-7.84	23.59	33.00
BAND 41	2000.0	39123	Н	15.10	10.71	-7.84	17.97	33.00
BW: 15M QPSK	2593.0	40620	V	18.10	10.82	-7.94	20.98	33.00
	2090.0	40020	Н	13.84	10.82	-7.94	16.72	33.00
	2692 E	11515	V	17.02	10.93	-8.03	19.92	33.00
RB: 1,74	2682.5	39725 - 40620 - 41515 - 39725 -	Н	11.08	10.93	-8.03	13.98	33.00
LTE	2503.5	30725	V	19.39	10.70	-7.83	22.26	33.00
BAND 41	2000.0	39123	Н	14.08	10.70	-7.83	16.95	33.00
	2593.0	40620	V	18.20	10.80	-7.92	21.08	33.00
BW: 15M	2090.0	40020	Н	14.87	10.80	-7.93	17.74	33.00
16QAM	2692 E	11515	V	16.83	10.91	-8.02	19.72	33.00
RB: 1,0	2682.5	41515	Н	10.94	10.91	-8.02	13.83	33.00
LTC	2502.5	20725	V	20.82	10.71	-7.84	23.69	33.00
LTE	2503.5	39725	Н	15.68	10.71	-7.84	18.55	33.00
BAND 41 - BW: 15M 16QAM -	2502.0	10600	V	18.17	10.82	-7.94	21.05	33.00
	2593.0	40620	Н	15.04	10.82	-7.94	17.92	33.00
	2692 E	11515	V	15.69	10.93	-8.03	18.59	33.00
RB: 1,74	2682.5	41515	Н	10.43	10.93	-8.03	13.33	33.00

Remark: PA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measuren	nent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	2506.0	20750	V	19.74	10.70	-7.83	22.61	33.00
LTE DAND 44	2506.0	39750	Н	14.84	10.70	-7.83	17.71	33.00
BAND 41	2502.0	40600	V	18.58	10.80	-7.92	21.46	33.00
BW: 20M	2593.0	40620	Н	15.29	10.80	-7.92	18.17	33.00
QPSK	2690.0	44400	V	18.27	10.90	-8.01	21.16	33.00
RB: 1,0	2680.0	41490	Н	11.52	10.91	-8.01	14.42	33.00
LTE	2506.0	20750	V	20.80	10.72	-7.85	23.67	33.00
BAND 41	2506.0	39730	Н	15.54	10.72	-7.85	18.41	33.00
	2593.0	39750 - 40620 - 41490 -	V	18.50	10.82	-7.94	21.38	33.00
BW: 20M QPSK	2595.0	40020	Н	14.19	10.82	-7.94	17.07	33.00
RB: 1,99	2680.0	41400	V	17.23	10.93	-8.03	20.13	33.00
ND. 1,99	2000.0	41490	Н	10.46	10.93	-8.03	13.36	33.00
LTE	2506.0	39750	V	18.96	10.70	-7.83	21.83	33.00
BAND 41	2300.0	39730	Н	14.27	10.70	-7.83	17.14	33.00
BW: 20M	2593.0	40620	V	18.66	10.80	-7.92	21.54	33.00
16QAM	2090.0	40020	Н	14.76	10.80	-7.92	17.64	33.00
RB: 1,0	2680.0	41490	V	18.29	10.91	-8.01	21.19	33.00
IND. 1,0	2000.0	41430	Н	11.84	10.91	-8.01	14.74	33.00
LTE	2506.0	39750	V	21.39	10.72	-7.85	24.26	33.00
	2000.0	09100	Н	15.74	10.72	-7.85	18.61	33.00
BAND 41 - BW: 20M 16QAM - RB: 1,99	2593.0	40620	V	18.63	10.82	-7.94	21.51	33.00
	2000.0	+0020	Н	14.22	10.82	-7.94	17.10	33.00
	2680.0	41490	V	16.02	10.93	-8.03	18.92	33.00
נערו יחירו	2000.0	41430	Н	10.29	10.93	-8.03	13.19	33.00

Remark: PA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	CII	Pol.	Output	Gain	Loss	LIIXI	Lillin
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1710.7	19957	V	19.88	9.00	-6.59	22.29	30.00
BAND 66	17 10.7	19901	Н	19.25	9.00	-6.59	21.66	30.00
BW: 1.4M	1732.5	20175	V	19.33	9.13	-6.65	21.81	30.00
QPSK	1702.0	20170	Н	18.45	9.13	-6.65	20.93	30.00
RB: 1,0	1754.3	20393	V	18.97	9.25	-6.71	21.51	30.00
11D. 1,0	1704.0	20000	Н	17.46	9.25	-6.71	20.00	30.00
LTE	1710.7	19957	V	19.19	9.01	-6.59	21.61	30.00
BAND 66	17 10.7	15557	Н	18.69	9.01	-6.59	21.11	30.00
BW: 1.4M	1732.5	20175	V	19.15	9.13	-6.65	21.63	30.00
QPSK	1752.5	20173	Н	18.26	9.13	-6.65	20.74	30.00
RB: 1,5	1754.3	20393	V	18.40	9.26	-6.71	20.95	30.00
ND. 1,5	1754.5	20000	Н	16.77	9.26	-6.71	19.32	30.00
LTE	1710.7	19957	V	18.99	9.00	-6.59	21.40	30.00
BAND 66	17 10.7	19951	Н	18.20	9.00	-6.59	20.61	30.00
BW: 1.4M	1732.5	20175	V	18.32	9.13	-6.65	20.80	30.00
16QAM	1752.5	20173	Н	17.16	9.13	-6.65	19.64	30.00
RB: 1,0	1754.3	20393	V	17.84	9.25	-6.71	20.38	30.00
ND. 1,0	1754.5	20000	Н	16.23	9.25	-6.71	18.77	30.00
LTE	1710.7	19957	V	19.33	9.01	-6.59	21.75	30.00
BAND 66	11 10.1	10001	Н	17.87	9.00	-6.59	20.28	30.00
BW: 1.4M	1732.5	20175	V	18.86	9.13	-6.65	21.34	30.00
16QAM	1102.0	20170	Н	17.78	9.13	-6.65	20.26	30.00
RB: 1,5	1754.3	20393	V	17.35	9.26	-6.71	19.90	30.00
ואט. ו,ט	17.54.5	20090	Н	16.55	9.26	-6.71	19.10	30.00

SPA for frequency RBW= 8MHz , VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1711.5	19965	V	19.29	8.98	-6.58	21.69	30.00
BAND 66	1711.5	19900	Н	19.05	8.98	-6.58	21.45	30.00
BW: 3M	1732.5	20175	V	19.61	9.12	-6.65	22.08	30.00
QPSK	1732.3	20173	Н	19.09	9.12	-6.65	21.56	30.00
RB: 1,0	1753.5	20385	V	19.24	9.26	-6.71	21.79	30.00
110. 1,0	1730.5	20000	Н	16.93	9.26	-6.71	19.48	30.00
LTE	1711.5	19965	V	19.16	8.99	-6.59	21.56	30.00
BAND 66	1711.5	13303	Н	19.15	8.99	-6.59	21.55	30.00
BW: 3M	1732.5	20175	V	19.45	9.14	-6.65	21.94	30.00
QPSK	1702.0	20170	Н	16.97	9.13	-6.65	19.45	30.00
RB: 1,14	1753.5	20385	V	18.60	9.27	-6.72	21.15	30.00
110. 1,14	1700.0	20000	Н	16.94	9.27	-6.72	19.49	30.00
LTE	1711.5	19965	V	19.15	8.98	-6.58	21.55	30.00
BAND 66	1711.0	10000	Н	18.62	8.98	-6.58	21.02	30.00
BW: 3M	1732.5	20175	V	18.36	9.12	-6.65	20.83	30.00
16QAM	1702.0	20170	Н	17.69	9.12	-6.65	20.16	30.00
RB: 1,0	1753.5	20385	V	18.46	9.26	-6.71	21.01	30.00
110. 1,0	1730.5	20000	Н	16.54	9.26	-6.71	19.09	30.00
LTE	1711.5	19965	V	19.11	8.99	-6.59	21.51	30.00
BAND 66	17 11.5	10000	Н	18.11	8.99	-6.59	20.51	30.00
BW: 3M	1732.5	20175	V	18.54	9.13	-6.65	21.02	30.00
16QAM	1702.0	20110	Н	16.88	9.13	-6.65	19.36	30.00
RB: 1,14	1753.5	20385	V	18.67	9.28	-6.72	21.23	30.00
110. 1,14	1700.0	20000	Н	16.41	9.28	-6.72	18.97	30.00

Remark: SPA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation Band	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1712.5	19975	V	18.20	8.98	-6.58	20.60	30.00
BAND 66	17 12.3	19973	Н	19.11	8.98	-6.58	21.51	30.00
BW: 5M	1732.5	20175	V	18.62	9.12	-6.65	21.09	30.00
QPSK	1732.3	20173	Н	18.01	9.12	-6.65	20.48	30.00
RB: 1,0	1752.5	20375	V	15.73	9.26	-6.71	18.28	30.00
ND. 1,0	1732.3	20070	Н	16.68	9.26	-6.71	19.23	30.00
LTE	1712.5	19975	V	18.03	9.00	-6.59	20.44	30.00
BAND 66	17 12.5	19970	Н	18.17	9.00	-6.59	20.58	30.00
BW: 5M	1732.5	20175	V	17.42	9.14	-6.65	19.91	30.00
QPSK	1702.0	20170	Н	17.04	9.14	-6.65	19.53	30.00
RB: 1,24	1752.5	20375	V	13.97	9.27	-6.72	16.52	30.00
110. 1,24	1702.0	20070	Н	16.28	9.27	-6.72	18.83	30.00
LTE	1712.5	19975	V	17.80	8.98	-6.58	20.20	30.00
BAND 66	17 12.0	10070	Н	18.53	8.98	-6.58	20.93	30.00
BW: 5M	1732.5	20175	V	18.17	9.12	-6.65	20.64	30.00
16QAM	1702.0	20170	Н	17.86	9.12	-6.65	20.33	30.00
RB: 1,0	1752.5	20375	V	14.36	9.26	-6.71	16.91	30.00
ND. 1,0	1732.3	20070	Н	16.28	9.26	-6.71	18.83	30.00
LTE	1712.5	19975	V	18.08	9.00	-6.59	20.49	30.00
BAND 66	17 12.0	10070	Н	18.34	9.00	-6.59	20.75	30.00
BW: 5M	1732.5	20175	V	16.56	9.14	-6.65	19.05	30.00
16QAM	1702.0	20173	Н	16.21	9.14	-6.65	18.70	30.00
RB: 1,24	1752.5	20375	V	13.75	9.28	-6.72	16.31	30.00
110. 1,24	1702.0	20010	Н	16.14	9.27	-6.72	18.69	30.00

SPA for frequency RBW= 8MHz , VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	СП	Pol.	Output	Gain	Loss	LIKP	LIIIII
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1715.0	20000	V	15.71	8.98	-6.58	18.11	30.00
BAND 66	17 13.0	20000	Н	12.98	8.98	-6.58	15.38	30.00
BW: 10M	1732.0	20175	V	16.62	9.11	-6.64	19.09	30.00
QPSK	1702.0	20170	Н	13.14	9.11	-6.64	15.61	30.00
RB: 1,0	1750.0	20350	V	17.90	9.24	-6.70	20.44	30.00
ND. 1,0	17 50.0	20000	Н	13.78	9.24	-6.70	16.32	30.00
LTE	1715.0	20000	V	13.76	9.02	-6.60	16.18	30.00
BAND 66	17 15.0	20000	Н	11.42	9.02	-6.60	13.84	30.00
	1732 በ	20175	V	15.74	9.15	-6.66	18.23	30.00
BW: 10M 1732.0 QPSK	1752.0	20173	Н	12.01	9.15	-6.66	14.50	30.00
RB: 1,49	1750.0	20350	V	16.32	9.27	-6.72	18.87	30.00
ND. 1,43	17 50.0	20000	Н	13.09	9.27	-6.72	15.64	30.00
LTE	1715.0	20000	V	16.43	8.98	-6.58	18.83	30.00
BAND 66	17 10.0	20000	Н	14.44	8.98	-6.58	16.84	30.00
BW: 10M	1732.0	20175	V	16.64	9.11	-6.64	19.11	30.00
16QAM	1702.0	20170	Н	13.86	9.11	-6.64	16.33	30.00
RB: 1,0	1750.0	20350	V	18.42	9.24	-6.70	20.96	30.00
110. 1,0	17 50.0	20000	Н	14.10	9.24	-6.70	16.64	30.00
LTE	1715.0	20000	V	13.92	9.02	-6.60	16.34	30.00
BAND 66	17 13.0	20000	Н	12.31	9.02	-6.60	14.73	30.00
BW: 10M	1732.0	20175	V	16.10	9.15	-6.66	18.59	30.00
16QAM	1102.0	20173	Н	11.98	9.15	-6.66	14.47	30.00
RB: 1,49	1750.0	20350	V	16.83	9.28	-6.72	19.39	30.00
ND. 1,43	1750.0	20000	Н	13.37	9.27	-6.72	15.92	30.00

Remark: SPA for frequency RBW= 8MHz, VBW= 8MHz

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	011	Pol.	Output	Gain	Loss	LIIXI	Liiiit
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1717.5	20025	V	15.72	8.99	-6.58	18.13	30.00
BAND 66	17 17.0	20020	Н	13.16	8.98	-6.58	15.56	30.00
BW: 15M	1732.5	20175	V	16.54	9.09	-6.63	19.00	30.00
QPSK	1702.0	20170	Н	14.31	9.10	-6.64	16.77	30.00
RB: 1,0	1747.5	20325	V	16.18	9.22	-6.69	18.71	30.00
ND. 1,0	1141.5	20020	Н	12.51	9.22	-6.69	15.04	30.00
LTE	1717.5	20025	V	14.66	9.04	-6.61	17.09	30.00
BAND 66	1717.5	20023	Н	12.89	9.04	-6.61	15.32	30.00
	1732 5	20175	V	15.37	9.16	-6.66	17.87	30.00
_	BW: 15M 1732.5 QPSK	20175	Н	12.85	9.16	-6.66	15.35	30.00
RB: 1,74	1747.5	20325	V	16.86	9.27	-6.72	19.41	30.00
11D. 1,74	1141.5	20020	Н	13.78	9.27	-6.72	16.33	30.00
LTE	1717.5	20025	V	15.14	8.99	-6.58	17.55	30.00
BAND 66	1717.5	20023	Н	13.82	8.98	-6.58	16.22	30.00
BW: 15M	1732.5	20175	V	16.20	9.10	-6.64	18.66	30.00
16QAM	1732.3	20173	Н	14.51	9.10	-6.64	16.97	30.00
RB: 1,0	1747.5	20325	V	16.79	9.22	-6.69	19.32	30.00
110. 1,0	1141.5	20020	Н	12.64	9.22	-6.69	15.17	30.00
LTE	1717.5	20025	V	15.78	9.04	-6.61	18.21	30.00
BAND 66	1717.5	20023	Н	13.09	9.04	-6.61	15.52	30.00
BW: 15M	1732.5	20175	V	14.69	9.16	-6.66	17.19	30.00
16QAM	1102.0	20173	Н	12.25	9.16	-6.66	14.75	30.00
RB: 1,74	1747.5	20325	V	15.68	9.27	-6.72	18.23	30.00
1\D. 1,14	1141.5	20020	Н	12.91	9.27	-6.72	15.46	30.00

SPA for frequency RBW= 8MHz, VBW= 8MHz Remark:

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	EUT				Measurem	ent		
Operation	Fundamental	СН	Antenna	S.G.	Antenna	Cable	EIRP	Limit
Band	Frequency	<b>-</b>	Pol.	Output	Gain	Loss		
	MHz		V/H	dBm	dBi	dB	dBm	dBm
LTE	1720.0	20050	V	15.15	8.99	-6.58	17.56	30.00
BAND 66	1720.0	20000	Н	14.28	8.99	-6.58	16.69	30.00
BW: 20M	1732.5	20175	V	15.95	9.09	-6.63	18.41	30.00
QPSK	1702.0	20173	Н	13.75	9.09	-6.63	16.21	30.00
RB: 1,0	1745.0	20300	V	15.58	9.20	-6.68	18.10	30.00
ND. 1,0	1745.0	20300	Н	11.65	9.20	-6.68	14.17	30.00
LTE	1720.0	20050	V	14.26	9.06	-6.62	16.70	30.00
BAND 66	1720.0	20030	Н	13.69	9.06	-6.62	16.13	30.00
BW: 20M	1732.5	20175	V	15.35	9.17	-6.67	17.85	30.00
QPSK	1732.3	20173	Н	12.48	9.17	-6.67	14.98	30.00
RB: 1,99	1745.0	20300	V	16.10	9.27	-6.72	18.65	30.00
ND. 1,99	1745.0	20300	Н	13.83	9.27	-6.72	16.38	30.00
LTE	1720.0	20050	V	16.06	8.99	-6.58	18.47	30.00
BAND 66	1720.0	20030	Н	14.17	8.99	-6.58	16.58	30.00
BW: 20M	1732.5	20175	V	17.68	9.09	-6.63	20.14	30.00
16QAM	1732.3	20173	Н	14.27	9.09	-6.63	16.73	30.00
RB: 1,0	1745.0	20300	V	16.72	9.20	-6.68	19.24	30.00
ND. 1,0	1745.0	20300	Н	12.41	9.20	-6.68	14.93	30.00
LTE	1720.0	20050	V	16.53	9.06	-6.62	18.97	30.00
BAND 66	1720.0	20000	Н	14.40	9.05	-6.61	16.84	30.00
BW: 20M	1732.5	20175	V	16.39	9.17	-6.67	18.89	30.00
16QAM	1102.0	20173	Н	12.29	9.17	-6.67	14.79	30.00
RB: 1,99	1745.0	20300	V	15.90	9.27	-6.72	18.45	30.00
110. 1,99	1745.0	20300	Н	12.94	9.27	-6.72	15.49	30.00

Remark: SPA for frequency RBW= 8MHz, VBW= 8MHz

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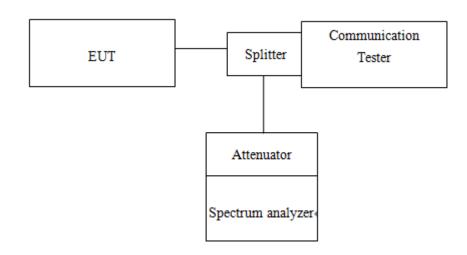
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## 8. OCCUPIED BANDWIDTH MEASUREMENT

# 8.1. Standard Applicable

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power.

## 8.2. Test Set-up



### 8.3. Measurement Procedure

### 99% &26dB Bandwidth with detector peak

The EUT's output RF connector was connected with a short cable to the spectrum analyzer. RBW was set to about 1% of emission BW, VBW= 3 times RBW, -26dBc display line was placed on the screen (or 26dB bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace. Then set RBW to 99% bandwidth, RBW= 1%, VBW= 3 RBW, with span > 2 \* Signal BW, set % Power = 99%.

## 99% Bandwidth with detector sample

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW was set to about 1% ~ 5% of emission BW, VBW= 3 times RBW, -20dBc display line was placed on the screen (or 20dB bandwidth). Set RBW to 99% bandwidth, RBW= 1% ~ 5%, VBW= 3 RBW, with span > 2 \* Signal BW, set % Power = 99%.

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# 8.4. Measurement Equipment Used

Conduc	ted Emission	(measured at a	ntenna port)	Test Site	
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Communication Tester	Anritsu	MT8820C	6201107337	06/11/2017	06/10/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A19 5C	RF01	12/24/2017	12/23/2018
Temperature Chamber	TERCHY	MHK-120LK	1020582	06/13/2017	06/12/2018
DC Block	PASTERNACK	PE8210	RF29	12/24/2017	12/23/2018
Splitter	RF-LAMBAD	RFLT2W1G18G	RF35	12/24/2017	12/23/2018
Attenuator	WOKEN	218FS-10	RF23	12/24/2017	12/23/2018
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

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## 8.5. Measurement Result

Eroa		99%	6 <b>ВW (М</b> Н	lz)	26 dB BW (MHz)			
Freq. (MHz)	СН	WCDMA II	HSDPA II	HSUPA II	WCDMA II	HSDPA II	HSUPA II	
1852.40	9262	4.0695	4.0626	4.0663	4.5910	4.6300	4.6030	
1880.00	9400	4.0683	4.0571	4.0656	4.5800	4.5790	4.6250	
1907.60	9538	4.0721	4.0676	4.0544	4.6060	4.5820	4.5980	

Freq.		99%	<b>6 ВW (М</b> Н	lz)	26 dB BW (MHz)			
(MHz)	СН	WCDMA	HSDPA	HSUPA	WCDMA	HSDPA	HSUPA	
(1411-12)		IV	IV	IV	IV	IV	IV	
1712.40	1312	4.0604	4.0552	4.0546	4.6110	4.6010	4.5970	
1732.60	1413	4.0629	4.0615	4.0634	4.5990	4.6000	4.5930	
1752.60	1513	4.0640	4.0601	4.0688	4.5920	4.5760	4.6290	

Ī	Eroa		99%	<b>6 ВW (М</b> Н	lz)	26 dB BW (MHz)			
	Freq. (MHz)	СН	WCDMA	HSDPA	HSUPA	WCDMA	HSDPA	HSUPA	
	(1411 12)		V	V	V	V	V	V	
	826.40	4132	4.0596	4.0515	4.0667	4.5870	4.6130	4.5890	
	836.60	4183	4.0717	4.0705	4.0726	4.6280	4.5920	4.5920	
	846.60	4233	4.0299	4.0383	4.0361	4.6140	4.5960	4.5910	

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L7	TE BAΝ[	2 Chanr	nel bandwi	dth: 1.4M	Hz		L	TE BAN	ID 2 Char	nel bandw	vidth: 3MF	Нz
Freq.	011	99% B\	V (MHz)	26 dB B	W (MHz)		Freq.		99% B\	N (MHz)	26 dB B	W (MHz)
(MHz)	СН	QPSK	16QAM	QPSK	16QAM		(MHz)	СН	QPSK	16QAM	QPSK	16QAM
1850.7	18607	1.1076	1.1155	1.3334	1.3374		1851.5	18615	2.7258	2.7335	3.0538	3.0817
1880.0	18900	1.1125	1.1130	1.3322	1.3208		1880.0	18900	2.7357	2.7308	3.0721	3.0874
1909.3	19193	1.1051	1.1194	1.3220	1.3228		1908.5	19185	2.7331	2.7223	3.0555	3.0742
L	TE BAN	ID 2 Char	inel bandw				L	TE BANI	D 2 Chan	nel bandw	idth: 10M	Hz
Freq.	СН	99% B\	V (MHz)	26 dB B	W (MHz)		Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)
(MHz)	011	QPSK	16QAM	QPSK	16QAM		(MHz)	011	QPSK	16QAM	QPSK	16QAM
1852.5	18625	4.5268	4.5282	5.0741	5.1034		1855.0	18650	9.0722	9.0801	10.586	10.549
1880.0	18900	4.5216	4.5248	5.1150	5.0843		1880.0	18900	9.1086	9.0725	10.552	10.631
1907.5	19175	4.5405	4.5309	5.1147	5.0985		1905.0	19150	9.0710	9.0677	10.555	10.572
L	TE BANI		nel bandw					TE BANI		nel bandw		
Freq.	СН		V (MHz)		W (MHz)		Freq.	СН		N (MHz)		W (MHz)
(MHz)		QPSK	16QAM	QPSK	16QAM		(MHz)		QPSK	16QAM	QPSK	16QAM
1857.5	18675	13.529	13.517	15.556	15.725		1860.0	18700	17.931	17.980	19.696	20.071
1880.0	18900	13.560	13.557	15.629	15.507		1880.0	18900	18.035	18.050	20.216	19.983
1902.5	19125	13.531	13.547	15.647	15.813	l	1900.0	19100	17.968	18.006	19.924	20.049
L7	TE BANΩ	O 4 Chanr	nel bandwi	dth: 1.4M	Hz		L	TE BAN	ID 4 Char	nel bandw	vidth: 3MF	Ηz
Freq.	011	99% B\	V (MHz)	26 dB B	W (MHz)		Freq.	011	99% B\	N (MHz)	26 dB B	W (MHz)
(MHz)	СН	QPSK	16QAM	QPSK	16QAM		(MHz)	СН	QPSK	16QAM	QPSK	16QAM
1710.7	19957	1.1113	1.1171	1.3220	1.3243		1711.5	19965	2.7179	2.7228	3.0550	3.0610
1732.5	20175	1.1158	1.1150	1.3327	1.3328		1732.5	20175	2.7268	2.7203	3.0553	3.0560
1754.3	20393	1.1166	1.1173	1.3313	1.3268		1753.5	20385	2.7307	2.7258	3.0558	3.0689
L	TE BAN		inel bandw				L	TE BANI		nel bandw	T	
Freq.	СН	99% B\	V (MHz)	26 dB B	W (MHz)		Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)
(MHz)	011	QPSK	16QAM	QPSK	16QAM		(MHz)	011	QPSK	16QAM	QPSK	16QAM
1712.5	19957	4.5344	4.5196	5.0893	5.0765		1715.0	20000	9.0979	9.0777	10.587	10.487
1732.5	20175	4.5157	4.5240	5.0883	5.0526		1732.5	20175	9.1120	9.0834	10.573	10.546
1752.5	20375	4.5364	4.5269	5.0748	5.0445		1750.0	20350	9.0984	9.0390	10.580	10.521
		2.4.01										
	TE BANI		nel bandw					TE BANI		nel bandw		
Freq.	СН		V (MHz)		W (MHz)		Freq.	СН		W (MHz)		W (MHz)
(MHz)		QPSK	16QAM	QPSK	16QAM		(MHz)		QPSK	16QAM	QPSK	16QAM
1717.5	20025	13.521	13.525	15.708	15.566		1720.0	20050	18.058	18.022	19.942	20.041
1732.5	20175	13.586	13.569	15.780	15.759	_	1732.5	20175	18.062	18.019	20.318	19.945
1747.5	20325	13.491	13.501	15.552	15.502	<u> </u>	1745.0	20300	17.951	17.930	19.722	19.839

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L	TE BANI	5 Chanr	nel bandwi	dth: 1.4M	Hz	L	TE BAN	ID 5 Char	nel bandw	/idth: 3MF	Ηz
Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)	Freq.	CII	99% B\	V (MHz)	26 dB B	W (MHz)
(MHz)	СП	QPSK	16QAM	QPSK	16QAM	(MHz)	СН	QPSK	16QAM	QPSK	16QAM
824.7	20407	1.1143	1.1238	1.3263	1.3838	825.5	20415	2.7210	2.7354	3.0579	3.0897
836.5	20525	1.1093	1.1106	1.3274	1.3249	836.5	20525	2.7285	2.7272	3.0631	3.0509
848.3	20643	1.1096	1.1166	1.3312	1.3162	847.5	20635	2.7137	2.7303	3.0601	3.0655
L	TE BAN	ID 5 Char	nel bandw	idth: 5Mł	Ηz	L'	TE BANI	D 5 Chan	nel bandw	idth: 10M	Hz
Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)	Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)
(MHz)	G	QPSK	16QAM	QPSK	16QAM	(MHz)	СП	QPSK	16QAM	QPSK	16QAM
826.5	20425	4.5062	4.5189	5.1096	5.0565	829.0	20450	9.0488	9.0192	10.575	10.428
836.5	20525	4.5410	4.5310	5.0996	5.0846	836.5	20525	9.1635	9.1470	10.745	10.654
846.5	20625	4.5183	4.5241	5.0685	5.0057	844.0	20600	8.9999	9.0031	10.469	10.353
								D 7 01			1
-	IE BAN		nel bandw				IE BANI		nel bandw		
Freq.	СН		N (MHz)		W (MHz)	Freq.	СН		W (MHz)		W (MHz)
(MHz)		QPSK	16QAM	QPSK	16QAM	(MHz)		QPSK	16QAM	QPSK	16QAM
2502.5	20775	4.5386	4.5218	5.1229	5.0754	2505.0	20800	9.1003	9.1034	10.518	10.620
2535.0	21100	4.5344	4.5185	5.1201	5.0741	2535.0	21100	9.0434	9.0673	10.543	10.574
2567.5	21425	4.5490	4.5355	5.1248	5.1136	2565.0	21400	9.0760	9.0846	10.522	10.612
	TE BANI	7 Chan	nal handw	idth: 15M	Ц¬	1.	TE BANI	7 Chan	nal handw	idth: 20M	Hэ
	TE BANI		nel bandw				TE BANI		nel bandw		
Freq.	TE BANI CH	99% B\	N (MHz)	26 dB B	W (MHz)	Freq.	TE BANI CH	99% B\	N (MHz)	26 dB B	W (MHz)
Freq. (MHz)	СН	99% B\ QPSK	N (MHz) 16QAM	26 dB B QPSK	W (MHz) 16QAM	Freq. (MHz)	СН	99% B\ QPSK	N (MHz) 16QAM	26 dB B	W (MHz) 16QAM
Freq. (MHz) 2507.5	CH 20825	99% B\ QPSK 13.546	N (MHz) 16QAM 13.548	26 dB B QPSK 15.928	W (MHz) 16QAM <b>15.619</b>	Freq. (MHz) 2510.0	CH 20850	99% B\ QPSK 18.054	W (MHz) 16QAM <b>18.065</b>	26 dB B QPSK 20.169	W (MHz) 16QAM <b>20.290</b>
Freq. (MHz) 2507.5 2535.0	CH 20825 21100	99% BV QPSK 13.546 13.527	N (MHz) 16QAM 13.548 13.527	26 dB B QPSK 15.928 <b>15.955</b>	W (MHz) 16QAM 15.619 15.548	Freq. (MHz) 2510.0 2535.0	CH 20850 21100	99% B\ QPSK 18.054 17.974	W (MHz) 16QAM 18.065 17.951	26 dB B QPSK 20.169 20.042	W (MHz) 16QAM 20.290 20.151
Freq. (MHz) 2507.5	CH 20825	99% B\ QPSK 13.546	N (MHz) 16QAM 13.548	26 dB B QPSK 15.928	W (MHz) 16QAM <b>15.619</b>	Freq. (MHz) 2510.0	CH 20850	99% B\ QPSK 18.054	W (MHz) 16QAM <b>18.065</b>	26 dB B QPSK 20.169	W (MHz) 16QAM <b>20.290</b>
Freq. (MHz) 2507.5 2535.0 2562.5	CH 20825 21100 21375	99% BV QPSK 13.546 13.527 <b>13.560</b>	N (MHz) 16QAM 13.548 13.527	26 dB B QPSK 15.928 <b>15.955</b> 15.559	W (MHz) 16QAM 15.619 15.548 15.492	Freq. (MHz) 2510.0 2535.0 2560.0	CH 20850 21100 21350	99% BV QPSK 18.054 17.974 <b>18.076</b>	W (MHz) 16QAM 18.065 17.951	26 dB B QPSK 20.169 20.042 <b>20.230</b>	W (MHz) 16QAM <b>20.290</b> 20.151 20.223
Freq. (MHz) 2507.5 2535.0 2562.5	CH 20825 21100 21375 E BAND	99% B\ QPSK 13.546 13.527 13.560	N (MHz) 16QAM 13.548 13.527 13.540	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4M	W (MHz) 16QAM 15.619 15.548 15.492	Freq. (MHz) 2510.0 2535.0 2560.0	CH 20850 21100 21350 TE BANI	99% B\ QPSK 18.054 17.974 18.076	16QAM 18.065 17.951 18.034	26 dB B QPSK 20.169 20.042 <b>20.230</b> width: 3M	W (MHz) 16QAM <b>20.290</b> 20.151 20.223
Freq. (MHz) 2507.5 2535.0 2562.5	CH 20825 21100 21375	99% B\ QPSK 13.546 13.527 13.560	W (MHz) 16QAM 13.548 13.527 13.540 nel bandw	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4M	W (MHz) 16QAM 15.619 15.548 15.492 MHz W (MHz)	Freq. (MHz) 2510.0 2535.0 2560.0	CH 20850 21100 21350	99% B\ QPSK 18.054 17.974 18.076	W (MHz) 16QAM 18.065 17.951 18.034	26 dB B QPSK 20.169 20.042 <b>20.230</b> width: 3M	W (MHz) 16QAM 20.290 20.151 20.223
Freq. (MHz) 2507.5 2535.0 2562.5 LT Freq.	CH 20825 21100 21375 E BAND	99% B\ QPSK 13.546 13.527 13.560 12 Chan 99% B\	N (MHz) 16QAM 13.548 13.527 13.540 nel bandw N (MHz)	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4N 26 dB B	W (MHz) 16QAM <b>15.619</b> 15.548 15.492	Freq. (MHz) 2510.0 2535.0 2560.0 L	CH 20850 21100 21350 TE BANI	99% B\ QPSK 18.054 17.974 18.076 D 12 Cha 99% B\	N (MHz) 16QAM 18.065 17.951 18.034 nnel bando N (MHz)	26 dB B QPSK 20.169 20.042 20.230 width: 3M 26 dB B	W (MHz) 16QAM 20.290 20.151 20.223  Hz W (MHz)
Freq. (MHz) 2507.5 2535.0 2562.5 LT Freq. (MHz)	CH 20825 21100 21375 E BAND CH	99% B\ QPSK 13.546 13.527 13.560 12 Chan 99% B\ QPSK	N (MHz) 16QAM 13.548 13.527 13.540 nel bandw N (MHz) 16QAM	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4M 26 dB B QPSK	W (MHz) 16QAM 15.619 15.548 15.492 MHz W (MHz) 16QAM	Freq. (MHz) 2510.0 2535.0 2560.0 L Freq. (MHz)	CH 20850 21100 21350 TE BANI CH	99% B\ QPSK 18.054 17.974 18.076  D 12 Cha 99% B\ QPSK	N (MHz) 16QAM 18.065 17.951 18.034 nnel bando N (MHz) 16QAM	26 dB B QPSK 20.169 20.042 <b>20.230</b> width: 3M 26 dB B QPSK	W (MHz) 16QAM 20.290 20.151 20.223 Hz W (MHz) 16QAM
Freq. (MHz) 2507.5 2535.0 2562.5 LT Freq. (MHz) 699.7	CH 20825 21100 21375 E BAND CH 23017	99% B\ QPSK 13.546 13.527 13.560 12 Chan 99% B\ QPSK 1.1058	N (MHz) 16QAM 13.548 13.527 13.540 nel bandw N (MHz) 16QAM 1.1170	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4M 26 dB B QPSK 1.3153	W (MHz) 16QAM 15.619 15.548 15.492 MHz W (MHz) 16QAM 1.3199	Freq. (MHz) 2510.0 2535.0 2560.0 LTFreq. (MHz) 700.5	CH 20850 21100 21350 TE BANI CH 23025	99% B\ QPSK 18.054 17.974 18.076 D 12 Cha 99% B\ QPSK 2.7355	N (MHz) 16QAM 18.065 17.951 18.034 nnel bando N (MHz) 16QAM 2.7124	26 dB B QPSK 20.169 20.042 20.230  width: 3M 26 dB B QPSK 3.0502	W (MHz) 16QAM 20.290 20.151 20.223  Hz W (MHz) 16QAM 3.0442
Freq. (MHz) 2507.5 2535.0 2562.5 LT Freq. (MHz) 699.7 707.5	CH 20825 21100 21375  E BAND CH 23017 23095	99% B\ QPSK 13.546 13.527 13.560 12 Chan 99% B\ QPSK 1.1058 1.1075	N (MHz) 16QAM 13.548 13.527 13.540 nel bandw N (MHz) 16QAM 1.1170 1.1114	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4N 26 dB B QPSK 1.3153 1.3205	W (MHz) 16QAM 15.619 15.548 15.492  MHz W (MHz) 16QAM 1.3199 1.3278	Freq. (MHz) 2510.0 2535.0 2560.0 Li Freq. (MHz) 700.5 707.5	CH 20850 21100 21350  TE BANI CH 23025 23095	99% BN QPSK 18.054 17.974 <b>18.076</b> D 12 Cha 99% BN QPSK <b>2.7355</b> 2.7329	N (MHz) 16QAM 18.065 17.951 18.034 nnel bando N (MHz) 16QAM 2.7124 2.7292	26 dB B QPSK 20.169 20.042 <b>20.230</b> width: 3M 26 dB B QPSK 3.0502 3.0612	W (MHz) 16QAM 20.290 20.151 20.223  Hz W (MHz) 16QAM 3.0442 3.0600
Freq. (MHz) 2507.5 2535.0 2562.5 LT Freq. (MHz) 699.7 707.5 715.3	CH 20825 21100 21375  E BAND CH 23017 23095 23173	99% B\ QPSK 13.546 13.527 13.560 12 Chan 99% B\ QPSK 1.1058 1.1075 1.1148	N (MHz) 16QAM 13.548 13.527 13.540 nel bandw N (MHz) 16QAM 1.1170 1.1114	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4N 26 dB B QPSK 1.3153 1.3205 1.3270	W (MHz) 16QAM 15.619 15.548 15.492  MHz W (MHz) 16QAM 1.3199 1.3278 1.3191	Freq. (MHz) 2510.0 2535.0 2560.0 Li Freq. (MHz) 700.5 707.5 714.5	CH 20850 21100 21350  TE BANI CH 23025 23095 23165	99% BN QPSK 18.054 17.974 18.076 D 12 Cha 99% BN QPSK 2.7355 2.7329 2.7232	N (MHz) 16QAM 18.065 17.951 18.034 nnel bando N (MHz) 16QAM 2.7124 2.7292	26 dB B QPSK 20.169 20.042 20.230 width: 3M 26 dB B QPSK 3.0502 3.0612 3.0631	W (MHz) 16QAM 20.290 20.151 20.223  Hz W (MHz) 16QAM 3.0442 3.0600 3.0587
Freq. (MHz) 2507.5 2535.0 2562.5 LT Freq. (MHz) 699.7 707.5 715.3	CH 20825 21100 21375  E BAND CH 23017 23095 23173	99% B\ QPSK 13.546 13.527 13.560 12 Chan 99% B\ QPSK 1.1058 1.1075 1.1148	N (MHz) 16QAM 13.548 13.527 13.540 nel bandw N (MHz) 16QAM 1.1170 1.1114 1.1164	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4N 26 dB B QPSK 1.3153 1.3205 1.3270 width: 5M	W (MHz) 16QAM 15.619 15.548 15.492  MHz W (MHz) 16QAM 1.3199 1.3278 1.3191	Freq. (MHz) 2510.0 2535.0 2560.0 Li Freq. (MHz) 700.5 707.5 714.5	CH 20850 21100 21350 TE BANI CH 23025 23095 23165	99% BN QPSK 18.054 17.974 18.076 D 12 Cha 99% BN QPSK 2.7355 2.7329 2.7232	N (MHz) 16QAM 18.065 17.951 18.034 nnel bando N (MHz) 16QAM 2.7124 2.7292 2.7200	26 dB B QPSK 20.169 20.042 20.230 width: 3M 26 dB B QPSK 3.0502 3.0612 3.0631	W (MHz) 16QAM 20.290 20.151 20.223  Hz W (MHz) 16QAM 3.0442 3.0600 3.0587
Freq. (MHz) 2507.5 2535.0 2562.5 LT Freq. (MHz) 699.7 707.5 715.3	CH 20825 21100 21375  E BAND CH 23017 23095 23173	99% B\ QPSK 13.546 13.527 13.560 12 Chan 99% B\ QPSK 1.1058 1.1075 1.1148	N (MHz) 16QAM 13.548 13.527 13.540 nel bandw N (MHz) 16QAM 1.1170 1.1114 1.1164	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4N 26 dB B QPSK 1.3153 1.3205 1.3270 width: 5M	W (MHz) 16QAM 15.619 15.548 15.492  MHz W (MHz) 16QAM 1.3199 1.3278 1.3191  Hz	Freq. (MHz) 2510.0 2535.0 2560.0 LT Freq. (MHz) 700.5 707.5 714.5	CH 20850 21100 21350  TE BANI CH 23025 23095 23165	99% BN QPSK 18.054 17.974 18.076 D 12 Cha 99% BN QPSK 2.7355 2.7329 2.7232	N (MHz) 16QAM 18.065 17.951 18.034 nnel bando N (MHz) 16QAM 2.7124 2.7292 2.7200 nnel bando	26 dB B QPSK 20.169 20.042 20.230 width: 3M 26 dB B QPSK 3.0502 3.0612 3.0631	W (MHz) 16QAM 20.290 20.151 20.223  Hz W (MHz) 16QAM 3.0442 3.0600 3.0587
Freq. (MHz) 2507.5 2535.0 2562.5 LT Freq. (MHz) 699.7 707.5 715.3 LT Freq.	CH 20825 21100 21375  E BAND CH 23017 23095 23173	99% BN QPSK 13.546 13.527 13.560 12 Chan 99% BN QPSK 1.1058 1.1075 1.1148 D 12 Chan 99% BN	N (MHz) 16QAM 13.548 13.527 13.540 nel bandw N (MHz) 16QAM 1.1170 1.1114 1.1164 nnel bandw N (MHz)	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4N 26 dB B QPSK 1.3153 1.3205 1.3270 width: 5M 26 dB B	W (MHz) 16QAM 15.619 15.548 15.492  MHz W (MHz) 16QAM 1.3199 1.3278 1.3191  Hz W (MHz)	Freq. (MHz) 2510.0 2535.0 2560.0 Li Freq. (MHz) 700.5 707.5 714.5 LT Freq.	CH 20850 21100 21350 TE BANI CH 23025 23095 23165	99% BN QPSK 18.054 17.974 18.076 D 12 Cha 99% BN QPSK 2.7355 2.7329 2.7232 D 12 Char 99% BN	N (MHz) 16QAM 18.065 17.951 18.034 nnel bandv N (MHz) 16QAM 2.7124 2.7292 2.7200 nnel bandw N (MHz)	26 dB B QPSK 20.169 20.042 20.230 width: 3M 26 dB B QPSK 3.0502 3.0612 3.0631 width: 10M 26 dB B	W (MHz) 16QAM 20.290 20.151 20.223  Hz W (MHz) 16QAM 3.0442 3.0600 3.0587
Freq. (MHz) 2507.5 2535.0 2562.5 LT Freq. (MHz) 699.7 707.5 715.3 LT Freq. (MHz)	CH 20825 21100 21375 E BAND CH 23017 23095 23173 TE BANI CH	99% B\ QPSK 13.546 13.527 13.560 12 Chan 99% B\ QPSK 1.1058 1.1075 1.1148 D 12 Cha 99% B\ QPSK	N (MHz) 16QAM 13.548 13.527 13.540 nel bandw N (MHz) 16QAM 1.1170 1.1114 1.1164 nnel bandw N (MHz)	26 dB B QPSK 15.928 15.955 15.559 idth: 1.4N 26 dB B QPSK 1.3153 1.3205 1.3270 width: 5M 26 dB B QPSK	W (MHz) 16QAM 15.619 15.548 15.492  MHz W (MHz) 16QAM 1.3199 1.3278 1.3191  Hz W (MHz) 16QAM	Freq. (MHz) 2510.0 2535.0 2560.0 LT Freq. (MHz) 700.5 707.5 714.5 LT Freq. (MHz)	CH 20850 21100 21350 TE BANI CH 23025 23095 23165 E BANE CH	99% BN QPSK 18.054 17.974 18.076 D 12 Cha 99% BN QPSK 2.7355 2.7329 2.7232 D 12 Char 99% BN QPSK	N (MHz) 16QAM 18.065 17.951 18.034 nnel bando N (MHz) 16QAM 2.7124 2.7292 2.7200 nnel bando N (MHz)	26 dB B QPSK 20.169 20.042 20.230  width: 3M 26 dB B QPSK 3.0502 3.0612 3.0631  width: 10M 26 dB B QPSK	W (MHz) 16QAM 20.290 20.151 20.223  Hz W (MHz) 16QAM 3.0442 3.0600 3.0587  IHz W (MHz) 16QAM
Freq. (MHz) 2507.5 2535.0 2562.5 LT Freq. (MHz) 699.7 707.5 715.3 L Freq. (MHz) 701.5	CH  20825 21100 21375  E BAND  CH  23017 23095 23173  TE BANI  CH  23035	99% B\ QPSK 13.546 13.527 13.560 12 Chan 99% B\ QPSK 1.1058 1.1075 1.1148 D 12 Cha 99% B\ QPSK 4.4939	N (MHz) 16QAM 13.548 13.527 13.540  nel bandw N (MHz) 16QAM 1.1170 1.1114 1.1164  nnel bandv N (MHz) 16QAM 4.5025	26 dB B QPSK 15.955 15.559 idth: 1.4N 26 dB B QPSK 1.3153 1.3205 1.3270 width: 5M 26 dB B QPSK 5.0218	W (MHz) 16QAM 15.619 15.548 15.492  MHz W (MHz) 16QAM 1.3199 1.3278 1.3191  Hz W (MHz) 16QAM 5.0700	Freq. (MHz) 2510.0 2535.0 2560.0 Li Freq. (MHz) 700.5 714.5 LT Freq. (MHz) 704.0	CH 20850 21100 21350 TE BANI CH 23025 23095 23165 E BANE CH 23060	99% BN QPSK 18.054 17.974 18.076 D 12 Cha 99% BN QPSK 2.7355 2.7329 2.7232 D 12 Char 99% BN QPSK 99% BN QPSK	N (MHz) 16QAM 18.065 17.951 18.034 nnel bando N (MHz) 16QAM 2.7124 2.7292 2.7200 nnel bando N (MHz) 16QAM 9.1141	26 dB B QPSK 20.169 20.042 20.230  width: 3M 26 dB B QPSK 3.0502 3.0612 3.0631  width: 10M 26 dB B QPSK 10.608	W (MHz) 16QAM 20.290 20.151 20.223  Hz W (MHz) 16QAM 3.0442 3.0600 3.0587  IHz W (MHz) 16QAM 10.666

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L	LTE BAND 13 Channel bandwidth: 5MHz							LTE BAND 13 Channel bandwidth: 10MHz					
Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)		Freq.	СН	99% B\	N (MHz)	26 dB B	SW (MHz)	
(MHz)	СП	QPSK	16QAM	QPSK	16QAM		(MHz)		QPSK	16QAM	QPSK	16QAM	
779.5	23205	4.5283	4.5337	5.0942	5.0927		782.0	23230	9.058	9.056	10.651	10.513	
782.0	23230	4.5175	4.5223	5.0736	5.0685								
784.5	23255	4.5164	4.5083	5.0541	5.0809								

L	LTE BAND 17 Channel bandwidth: 5MHz								LTE BAND 17 Channel bandwidth: 10MHz					
Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)		Freq.	СН	99% BW (MHz)		26 dB BW (MHz)			
(MHz)	СП	QPSK	16QAM	QPSK	16QAM		(MHz)	СП	QPSK	16QAM	QPSK	16QAM		
706.5	23755	4.5334	4.5356	5.0340	5.0400		709.0	23780	9.0722	9.0628	10.504	10.517		
710.0	23790	4.5060	4.5243	5.0530	5.0520		710.0	23790	9.0275	9.0149	10.492	10.412		
713.5	23825	4.5065	4.5076	5.0600	5.0480		711.0	23780	8.9935	8.9950	10.393	10.356		

LT	26 Chan	nel bandw	idth: 1.4N	1Hz	LTE BAND 26 Channel bandwidth: 3MHz						
Freq.	СН	99% B\	N (MHz)			Freq.	СН	99% B\	N (MHz)	26 dB BW (MHz)	
(MHz)	СП	QPSK	16QAM	QPSK	16QAM	(MHz)	СП	QPSK	16QAM	QPSK	16QAM
814.7	26697	1.1033	1.1236	1.3130	1.3260	815.5	26705	2.7333	2.7113	3.0550	3.0310
831.5	26865	1.1078	1.1140	1.3220	1.3230	831.5	26865	2.7276	2.7145	3.0570	3.0410
848.3	27033	1.1049	1.1117	1.3140	1.3327	847.5	27025	2.7147	2.7131	3.0450	3.0320
L.	TE BANI	26 Cha	nnel bandv	vidth: 5M	Hz	LT	E BAND	26 Char	nel bandw	idth: 10N	lHz
Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)	Freq.	СН	99% BW (MHz)		26 dB BW (MHz)	
(MHz)	С	QPSK	16QAM	QPSK	16QAM	(MHz)		QPSK	16QAM	QPSK	16QAM
816.5	26715	4.5134	4.5164	5.0590	5.0680	820.0	26750	9.1234	9.1433	10.640	10.620
831.5	26865	4.5338	4.5224	5.1270	5.0740	831.5	26865	9.0322	9.0268	10.460	10.370
846.5	27015	4.4989	4.4976	4.9820	5.0550	844.0	26990	8.9951	8.9887	10.400	10.380
LT	E BAND	) 26 Char	nel bandw	idth: 15N	1Hz						
Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)						
(MHz)	G	QPSK	16QAM	QPSK	16QAM						
822.5	26775	13.546	13.545	15.490	15.720						
831.5	26865	13.479	13.442	15.260	15.320						
841.5	26965	13.488	13.500	15.330	15.510						

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2310.0

2312.5

4.5075

4.5192

27710

27735

4.5068

4.5085

5.052

5.048

5.052

5.048

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LTE	LTE BAND 26 for part 90S Channel bandwidth:							ND 26 fo	or part 90	S Channel	bandwidt	h: 3MHz	
Freq.	СН	99% B\	V (MHz)	26 dB B	W (MHz)		Freq.	СН	99% BV	V (MHz)	26 dB B	W (MHz)	
(MHz)	G	QPSK	16QAM	QPSK	16QAM		(MHz)	СП	QPSK	16QAM	QPSK	16QAM	
814.7	26697	1.1080	1.1116	1.3210	1.3200		815.5	26705	2.7231	2.7235	3.0430	3.0360	
819.0	26740	1.1039	1.1166	1.3200	1.3220		819.0	26740	2.7241	2.7250	3.0340	3.0420	
823.3	26783	1.1091	1.1085	1.3180	1.3130		822.5	26775	2.7281	2.7060	3.0550	3.0420	
LTE BA	LTE BAND 26 for part 90S Channel bandwidth: 5MHz						LTE BAND 26 for part 90S Channel bandwidth: 10						
Freq.	CH	99% BW (MHz) 26 dB BW (MH		W (MHz)		Freq.		99% BV	V (MHz)	26 dB B	W (MHz)		
(MHz)	СН	QPSK	16QAM	QPSK	16QAM		(MHz)	СН	QPSK	16QAM	QPSK	16QAM	
816.5	26715	4.5075	4.5128	5.0590	4.9910		819.0	26740	9.1328	9.0763	10.600	10.540	
819.0	26740	4.5085	4.5165	5.0170	5.0310								
821.5	26765	4.5176	4.5045	5.0480	5.0190								
L.	LTE BAND 30 Channel bandwidth: 5MHz					L7	TE BANI	0 30 Chai	nnel bandv	vidth: 10N	ИHz		
Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)		Freq.	СН	99% B	W (MHz)	26 dB E	BW (MHz)	
(MHz)	CII	QPSK	16QAM	QPSK	16QAM		(MHz)	CII	QPSK	16QAM	QPSK	16QAM	
2307.5	27685	4.5135	4.5155	5.040	5.040		2310.0	27710	9.0414	9.0241	10.530	10.520	

LT	O 38 Cha	nnel bandv	vidth: 5M	Hz	LTE BAND 38 Channel bandwidth: 10MHz						
Freq.	CII	99% BV	V (MHz)	26 dB BW (MHz)		Freq.	CII	99% BW (MHz)		26 dB BW (MHz)	
(MHz)	СН	QPSK	16QAM	QPSK	16QAM	(MHz)	СН	QPSK	16QAM	QPSK	16QAM
2572.5	37775	4.5299	4.5200	5.2862	5.0603	2575.0	37800	9.0330	9.0247	10.327	10.543
2595.0	38000	4.5099	4.5095	5.1125	5.1421	2595.0	38000	9.0155	9.0207	10.451	10.816
2617.5	38225	4.5044	4.5131	5.0470	5.1529	2615.0	38200	9.0207	9.0409	10.460	10.374
LTE	E BAND	38 Chan	nel bandw	idth: 15N	lHz	LTE BAND 38 Channel bandwidth: 20MHz					
Freq.	СН	99% BV	V (MHz)	26 dB B	W (MHz)	Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)
(MHz)	СП	QPSK	16QAM	QPSK	16QAM	(MHz)	СП	QPSK	16QAM	QPSK	16QAM
2577.5	37825	13.513	13.491	15.501	15.470	2580.0	37850	17.916	18.023	20.059	20.400
2595.0	38000	13.530	13.494	15.498	15.450	2595.0	38000	17.954	18.047	20.435	20.106
2612.5	38175	13.526	13.489	15.431	15.503	2610.0	38150	17.969	18.008	20.002	20.010

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LTE BAND 41 Channel bandwidth: 5MHz							L1	TE BAND	) 41 Char	nel bandw	vidth: 10N	lHz	
Freq.	CII	99% B\	V (MHz)	26 dB B	W (MHz)		Freq.	CII	99% B\	N (MHz)	26 dB B	W (MHz)	
(MHz)	СН	QPSK	16QAM	QPSK	16QAM		(MHz)	СН	QPSK	16QAM	QPSK	16QAM	
2498.5	39675	4.5079	4.5051	5.0550	5.0590		2501.0	39700	9.0417	9.0524	10.490	10.460	
2593.0	40620	4.5095	4.5017	5.0160	5.0630		2593.0	40620	9.0127	9.0330	10.590	10.550	
2687.5	41565	4.5022	4.5150	5.1730	5.1590		2685.0	41540	9.0358	9.0897	10.490	11.030	
LT	E BAND	) 41 Chan	ınel bandw	idth: 15N	1Hz		L٦	E BAND	) 41 Char	nel bandw	idth: 20N	lHz	
Freq.	СН	99% B\	V (MHz)	26 dB B	W (MHz)		Freq.	СН	99% B\	N (MHz)	26 dB B	W (MHz)	
(MHz)	CII	QPSK	16QAM	QPSK	16QAM		(MHz)	CII	QPSK	16QAM	QPSK	16QAM	
2503.5	39725	13.548	13.482	15.530	15.340		2506.0	39750	18.015	17.992	19.990	19.770	
2593.0	40620	13.541	13.493	15.550	15.160		2593.0	40620	17.968	17.968	19.710	20.190	
2682.5	41515	13.520	13.517	15.330	15.460		2680.0	41490	18.006	17.948	20.450	20.930	
	L D V VID	66 Chan	nal bandur	idth, 1 4N	4 I I			TE DANI	Charles	nnal handı	uidth, 2M	11-	
LI	E BAND		nel bandw				L	I E BAINI		nnel band			
		99%	99%	26 dB	26 dB		From	СН	99%	99%	26 dB	26 dB	
Freq.	СН	BW (MII-)	BW (MILL=)	BW	BW (MILE)		Freq.		BW (MIII-)	BW (MILL=)	BW	BW (MILE)	
(MHz)		(MHz)	(MHz)	(MHz)	(MHz)		(MHz)		(MHz)	(MHz)	(MHz)	(MHz)	
4740.7	404070	QPSK	16QAM	QPSK	16QAM		4744 5	404007	QPSK	16QAM	QPSK	16QAM	
1710.7	131979	1.1173	1.1130	1.3360	1.3400		1711.5	131987	2.7204	2.7104	3.0440	3.0410	
1745.0	132322	1.1090	1.1142	1.3180	1.3250		1745.0	132322	2.7175	2.7133	3.0440	3.0610	
1779.3	132665	1.1040	1.1116	1.3240	1.3320		1778.5	132657	2.7285	2.7199	3.0400	3.0490	
1.	TF RANI	) 66 Chai	nnel bandv	vidth: 5M	Hz		LTE BAND 66 Channel bandwidth: 10MHz						
		99%	99%	26 dB	26 dB				99%	99%	26 dB	26 dB	
Freq.		BW	BW	BW	BW		Freq.		BW	BW	BW	BW	
(MHz)	CH	(MHz)	(MHz)	(MHz)	(MHz)		(MHz)	CH	(MHz)	(MHz)	(MHz)	(MHz)	
(111112)		QPSK	16QAM	QPSK	16QAM		(**** :=)		QPSK	16QAM	QPSK	16QAM	
1712.5	131997	4.5211	4.5173	5.0530	5.0780		1715.0	132022	9.0278	9.0754	10.510	10.540	
1745.0	132322	4.5225	4.5071	5.1520	5.0450		1745.0	132322	9.0535	9.0554	10.470	10.520	
1777.5	132647	4.5131	4.5059	5.0460	5.0780		1775.0	132622	9.0509	9.0175	10.480	10.390	
1777.5	1020-1	4.0101	4.0000	0.0400	0.0700		1775.0	102022	3.0003	3.0170	10.400	10.000	
LT	E BAND	) 66 Chan	nel bandw	/idth: 15M	l lHz		L7	ι ΓΕ ΒΑΝΕ	) 66 Char	nnel bandv	idth: 20N	lHz	
		99%	99%	26 dB	26 dB				99%	99%	26 dB	26 dB	
Freq.	011	BW	BW	BW	BW	Freq. (MHz)	011	BW	BW	BW	BW		
(MHz)	СН	(MHz)	(MHz)	(MHz)	(MHz)		(MHz)	СН	(MHz)	(MHz)	(MHz)	(MHz)	
` ′		QPSK	16QAM	QPSK	16QAM		] ` ′		QPSK	16QAM	QPSK	16QAM	
1717.5	132047	13.495	13.511	15.580	15.620		1720.0	132072	17.913	17.953	19.850	19.870	
1745.0	132322	13.513	13.545	15.610	15.560		1745.0	132322	17.931	17.906	19.990	20.260	
1772.5	132597	13.446	13.485	15.440	15.250		1770.0	132572	17.954	17.926	19.790	19.740	
						•		•			•		

台灣檢驗科技股份有限公司

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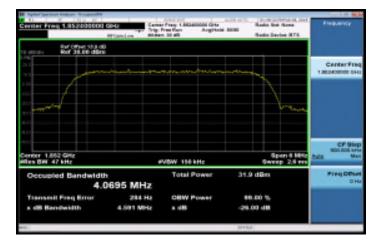
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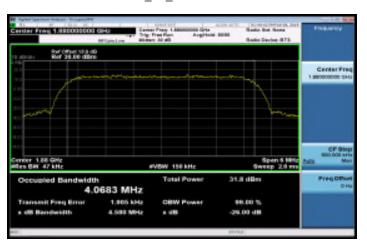
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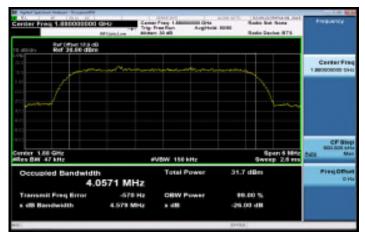
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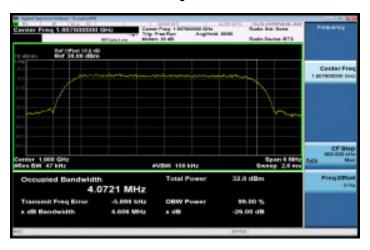
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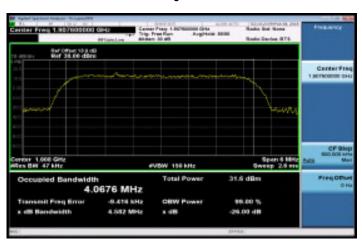
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HSDPA\_B2\_HighCH9538-1907.6

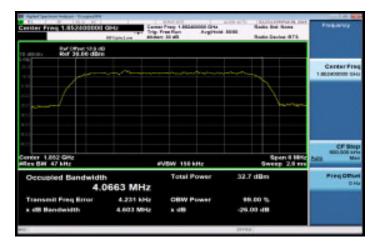


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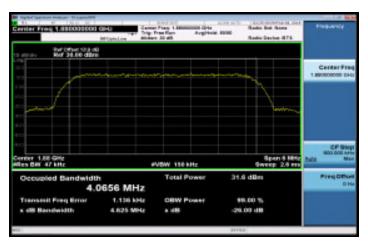
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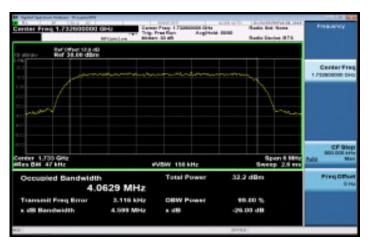
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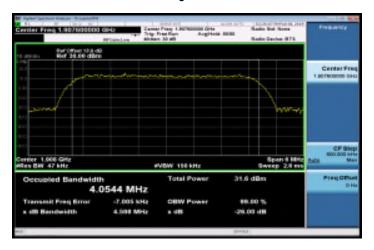
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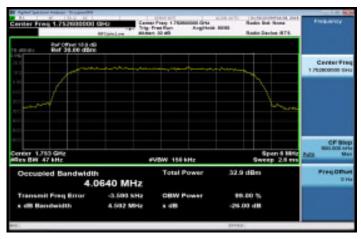
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## HSUPA\_B2\_HighCH9538-1907.6



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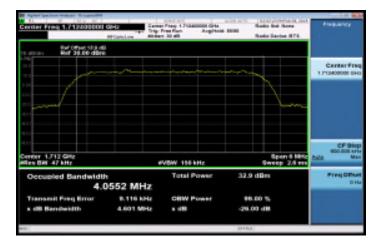


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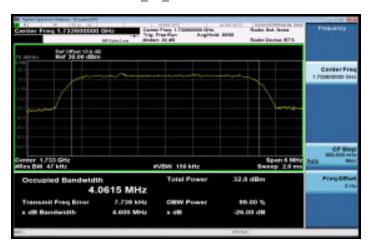
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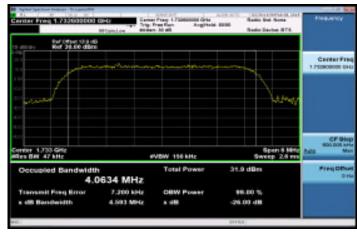
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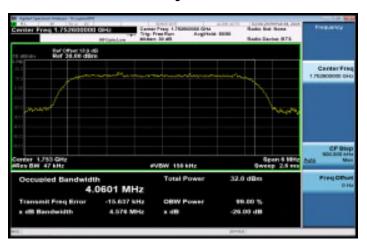
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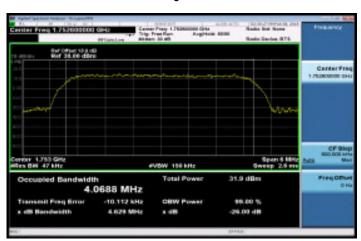
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## HSDPA\_B4\_HighCH1513-1752.6



HSUPA\_B4\_HighCH1513-1752.6

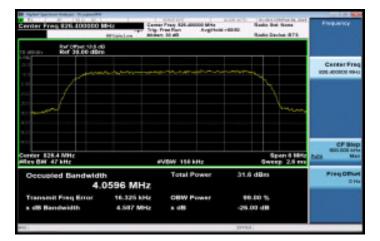


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### WCDMA B5 LowCH4132-826.4



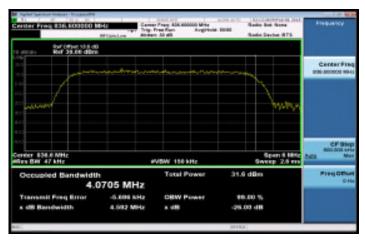
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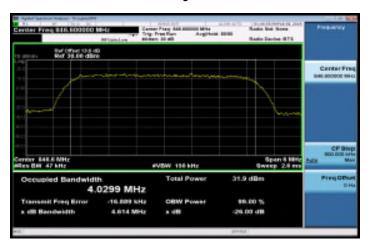
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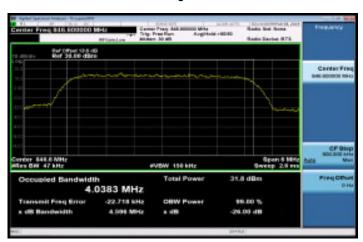
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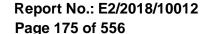
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HSDPA\_B5\_HighCH4233-846.6

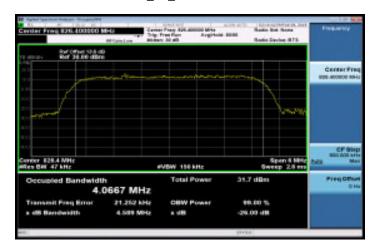


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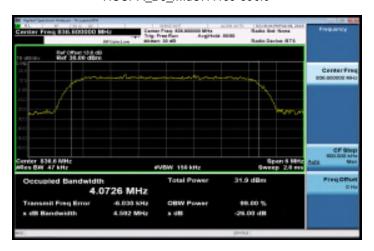




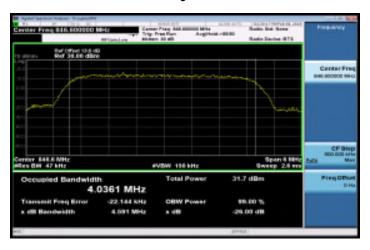
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### HSUPA\_B5\_MidCH4183-836.6



## HSUPA\_B5\_HighCH4233-846.6

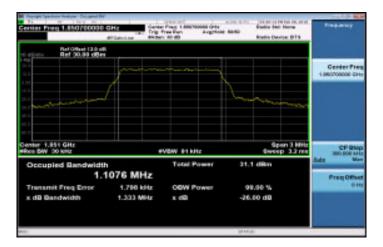


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Band2 1 4MHz QPSK 6 0 LowCH18607-1850.7



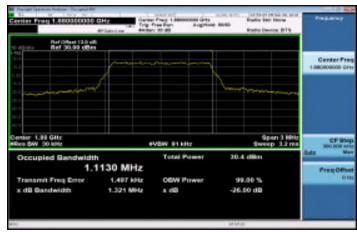
Band2 1 4MHz 16QAM 6 0 LowCH18607-1850.7



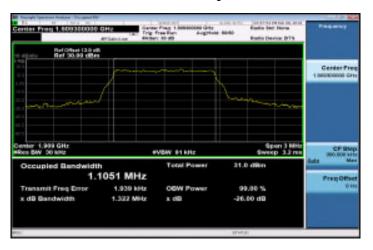
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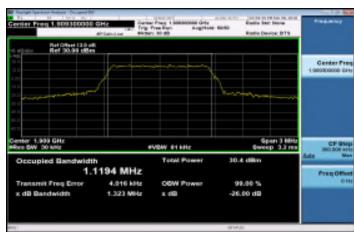
Band2\_1\_4MHz\_16QAM\_6\_0\_MidCH18900-1880



Band2\_1\_4MHz\_QPSK\_6\_0\_HighCH19193-1909.3



Band2\_1\_4MHz\_16QAM\_6\_0\_HighCH19193-1909.3



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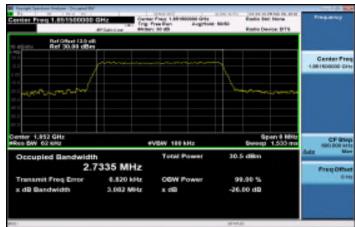


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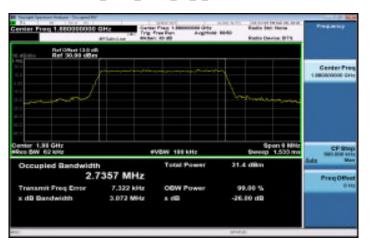
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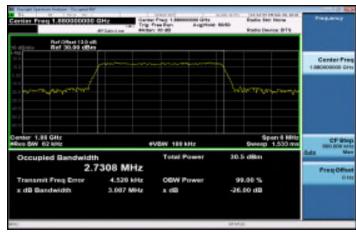
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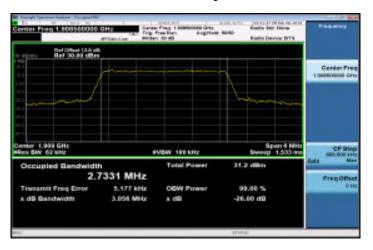
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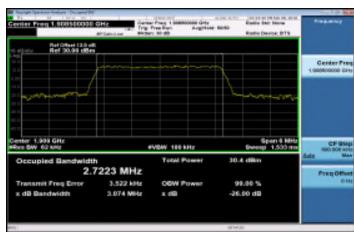
Band2\_3MHz\_16QAM\_15\_0\_MidCH18900-1880



Band2\_3MHz\_QPSK\_15\_0\_HighCH19185-1908.5



Band2\_3MHz\_16QAM\_15\_0\_HighCH19185-1908.5

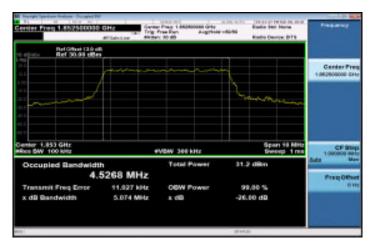


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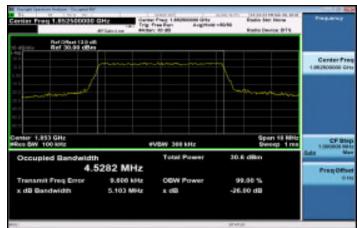


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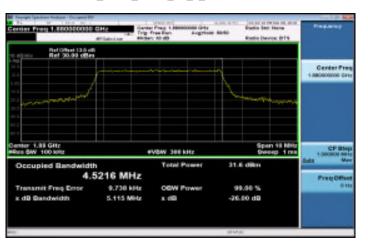
Band2 5MHz QPSK 25 0 LowCH18625-1852.5



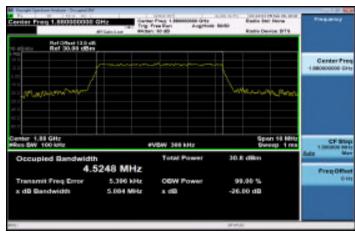
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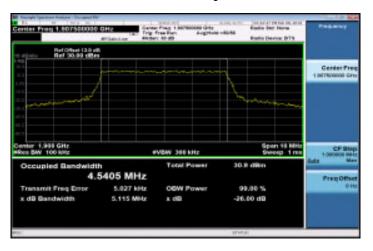
Band2\_5MHz\_QPSK\_25\_0\_MidCH18900-1880



Band2\_5MHz\_16QAM\_25\_0\_MidCH18900-1880



Band2\_5MHz\_QPSK\_25\_0\_HighCH19175-1907.5



Band2\_5MHz\_16QAM\_25\_0\_HighCH19175-1907.5

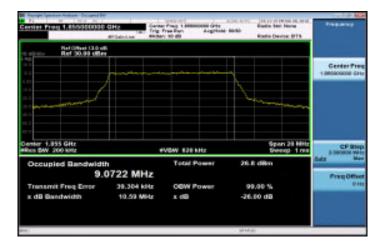


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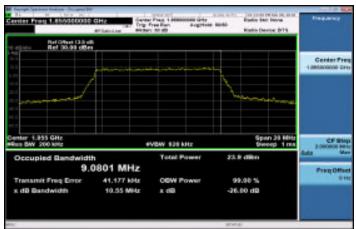


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#### Band2 10MHz QPSK 50 0 LowCH18650-1855



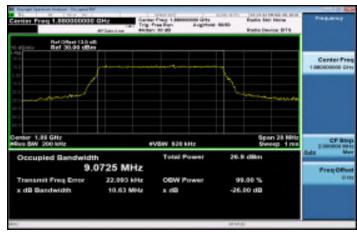
Band2 10MHz 16QAM 50 0 LowCH18650-1855



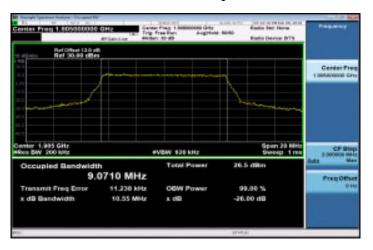
Band2\_10MHz\_QPSK\_50\_0\_MidCH18900-1880



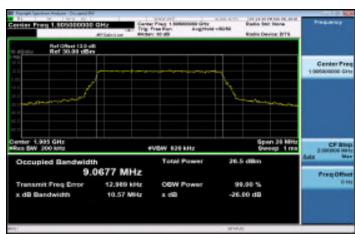
Band2\_10MHz\_16QAM\_50\_0\_MidCH18900-1880



Band2\_10MHz\_QPSK\_50\_0\_HighCH19150-1905



Band2\_10MHz\_16QAM\_50\_0\_HighCH19150-1905



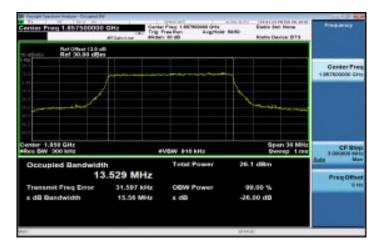
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Band2\_15MHz\_QPSK\_75\_0\_LowCH18675-1857.5



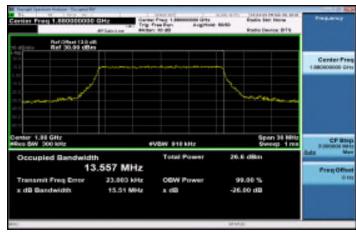
Band2 15MHz 16QAM 75 0 LowCH18675-1857.5



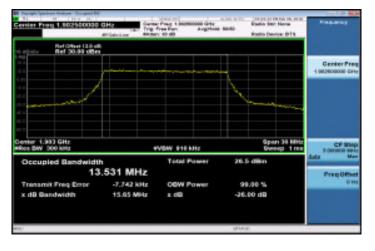
Band2\_15MHz\_QPSK\_75\_0\_MidCH18900-1880



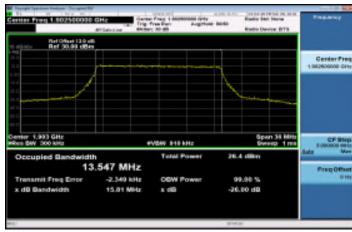
Band2\_15MHz\_16QAM\_75\_0\_MidCH18900-1880



Band2\_15MHz\_QPSK\_75\_0\_HighCH19125-1902.5



Band2\_15MHz\_16QAM\_75\_0\_HighCH19125-1902.5



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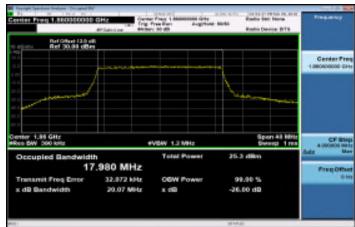


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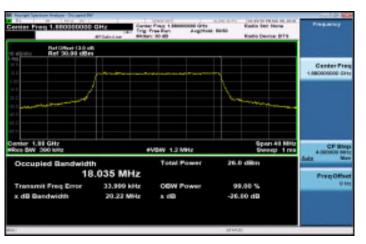
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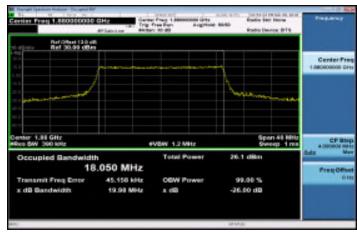
Band2 20MHz 16QAM 100 0 LowCH18700-1860



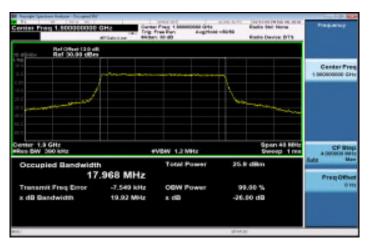
Band2\_20MHz\_QPSK\_100\_0\_MidCH18900-1880



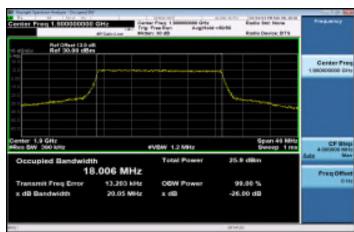
Band2\_20MHz\_16QAM\_100\_0\_MidCH18900-1880



Band2\_20MHz\_QPSK\_100\_0\_HighCH19100-1900



Band2\_20MHz\_16QAM\_100\_0\_HighCH19100-1900



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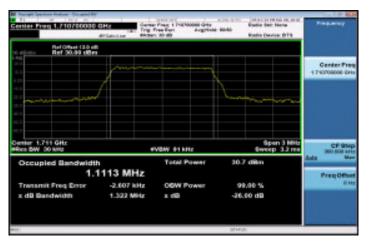
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f (886-2) 2298-0488

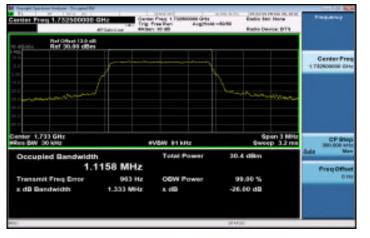


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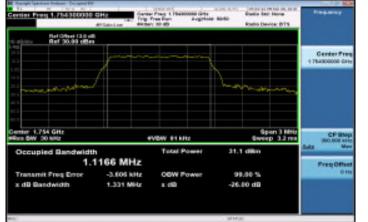
Band4 1 4MHz QPSK 6 0 LowCH19957-1710.7



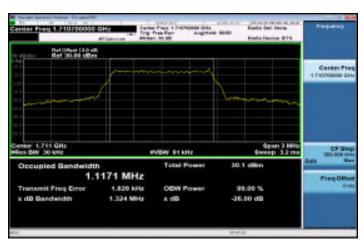
Band4\_1\_4MHz\_QPSK\_6\_0\_MidCH20175-1732.5



Band4\_1\_4MHz\_QPSK\_6\_0\_HighCH20393-1754.3



Band4 1 4MHz 16QAM 6 0 LowCH19957-1710.7



Band4\_1\_4MHz\_16QAM\_6\_0\_MidCH20175-1732.5



Band4\_1\_4MHz\_16QAM\_6\_0\_HighCH20393-1754.3



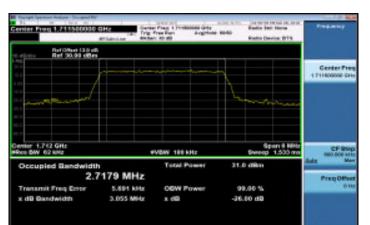
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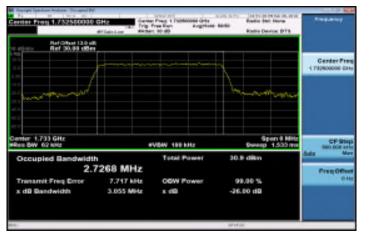


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Band4 3MHz QPSK 15 0 LowCH19965-1711.5



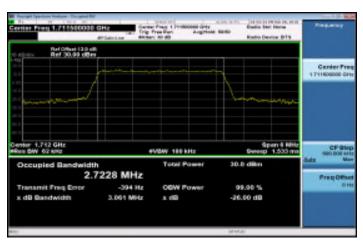
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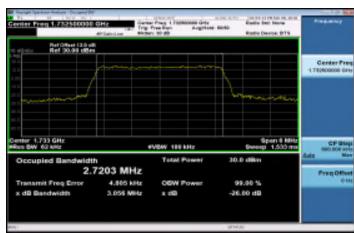
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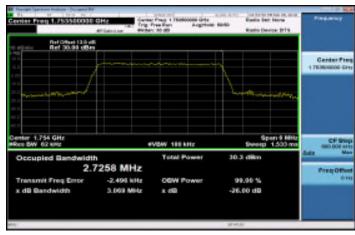
Band4\_3MHz\_16QAM\_15\_0\_LowCH19965-1711.5



Band4\_3MHz\_16QAM\_15\_0\_MidCH20175-1732.5



Band4\_3MHz\_16QAM\_15\_0\_HighCH20385-1753.5



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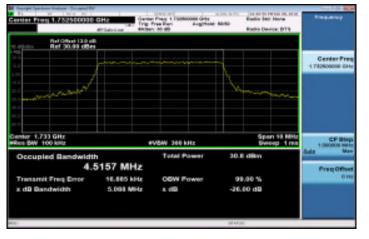


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Band4 5MHz QPSK 25 0 LowCH19975-1712.5



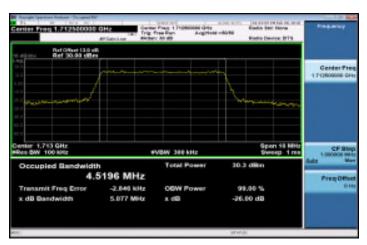
Band4\_5MHz\_QPSK\_25\_0\_MidCH20175-1732.5



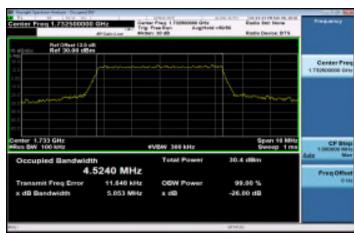
Band4\_5MHz\_QPSK\_25\_0\_HighCH20375-1752.5



Band4 5MHz 16QAM 25 0 LowCH19975-1712.5



Band4\_5MHz\_16QAM\_25\_0\_MidCH20175-1732.5



Band4\_5MHz\_16QAM\_25\_0\_HighCH20375-1752.5



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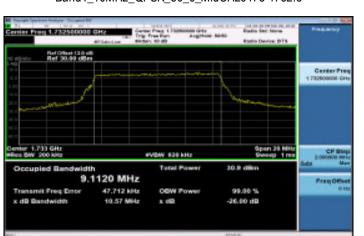
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Band4 10MHz QPSK 50 0 LowCH20000-1715

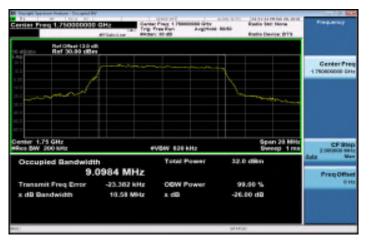
Ref 30.00 dBes



Band4\_10MHz\_QPSK\_50\_0\_MidCH20175-1732.5



Band4\_10MHz\_QPSK\_50\_0\_HighCH20350-1750



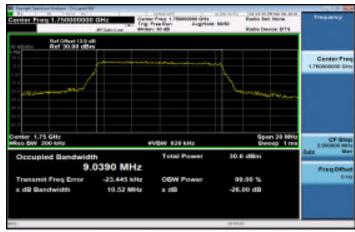
Genter Pre 1.715 GHz 9.0777 MHz 22.162 kHz 99.00% -26.00 dB

Band4 10MHz 16QAM 50 0 LowCH20000-1715

Band4\_10MHz\_16QAM\_50\_0\_MidCH20175-1732.5



Band4\_10MHz\_16QAM\_50\_0\_HighCH20350-1750

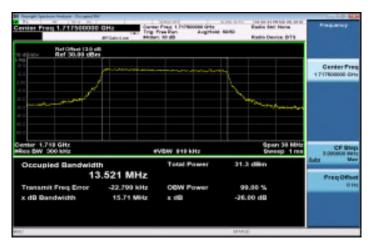


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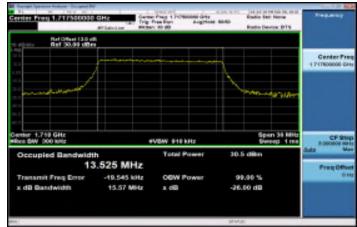


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Band4 15MHz QPSK 75 0 LowCH20025-1717.5



Band4 15MHz 16QAM 75 0 LowCH20025-1717.5



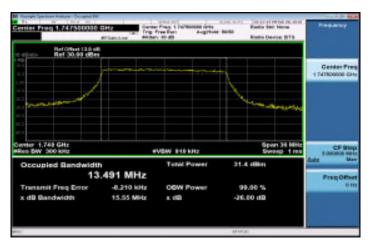
Band4\_15MHz\_QPSK\_75\_0\_MidCH20175-1732.5



Band4\_15MHz\_16QAM\_75\_0\_MidCH20175-1732.5



Band4\_15MHz\_QPSK\_75\_0\_HighCH20325-1747.5



Band4\_15MHz\_16QAM\_75\_0\_HighCH20325-1747.5

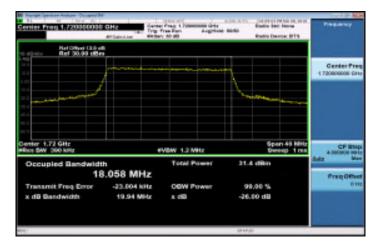


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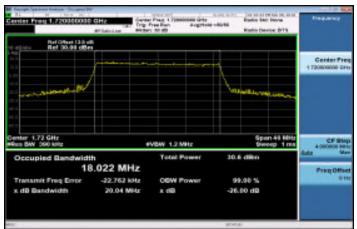


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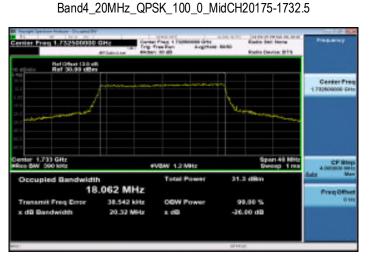
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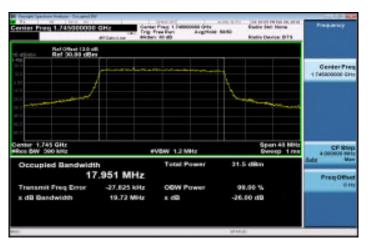
Band4 20MHz 16QAM 100 0 LowCH20050-1720



Band4\_20MHz\_16QAM\_100\_0\_MidCH20175-1732.5



Band4\_20MHz\_QPSK\_100\_0\_HighCH20300-1745



Ref 30.00 dBes 1.733 GHz WW 12MH 18.019 MHz 19.95 MHz -26.00 dB

Band4\_20MHz\_16QAM\_100\_0\_HighCH20300-1745

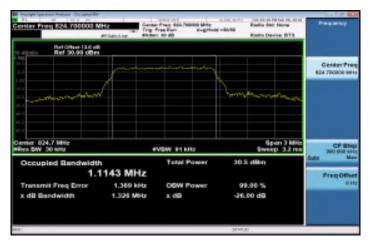


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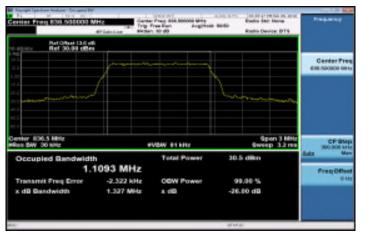


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Band5 1 4MHz QPSK 6 0 LowCH20407-824.7



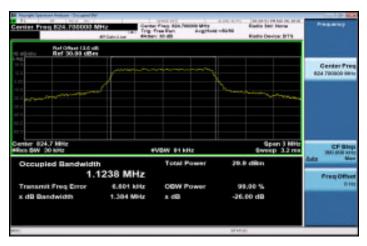
Band5\_1\_4MHz\_QPSK\_6\_0\_MidCH20525-836.5



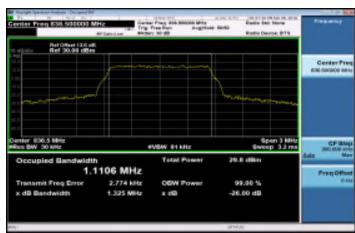
Band5\_1\_4MHz\_QPSK\_6\_0\_HighCH20643-848.3



Band5 1 4MHz 16QAM 6 0 LowCH20407-824.7



Band5\_1\_4MHz\_16QAM\_6\_0\_MidCH20525-836.5



Band5\_1\_4MHz\_16QAM\_6\_0\_HighCH20643-848.3



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Band5 3MHz QPSK 15 0 LowCH20415-825.5

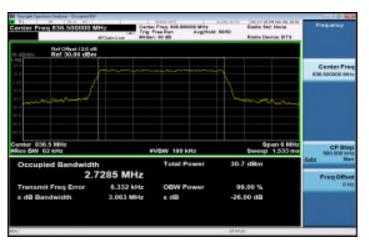
Band5 3MHz 16QAM 15 0 LowCH20415-825.5

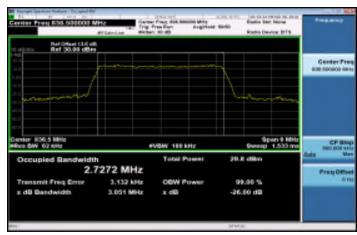




Band5\_3MHz\_QPSK\_15\_0\_MidCH20525-836.5

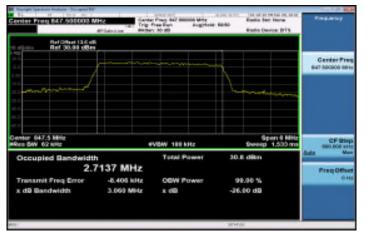
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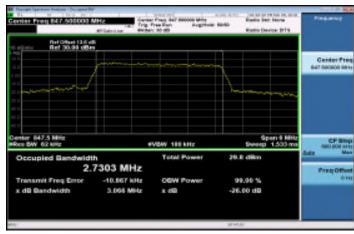




Band5\_3MHz\_QPSK\_15\_0\_HighCH20635-847.5

Band5\_3MHz\_16QAM\_15\_0\_HighCH20635-847.5



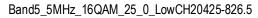


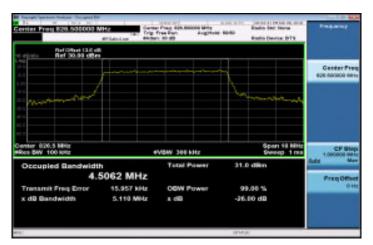
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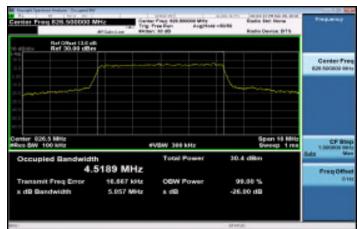


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Band5 5MHz QPSK 25 0 LowCH20425-826.5

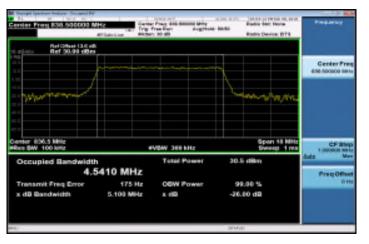






Band5\_5MHz\_QPSK\_25\_0\_MidCH20525-836.5

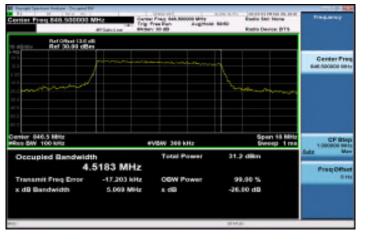
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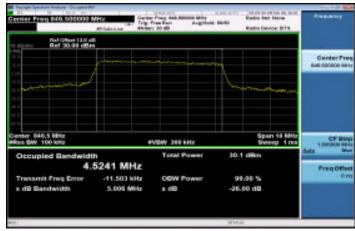




Band5\_5MHz\_QPSK\_25\_0\_HighCH20625-846.5

Band5\_5MHz\_16QAM\_25\_0\_HighCH20625-846.5



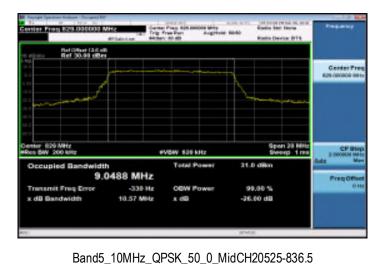


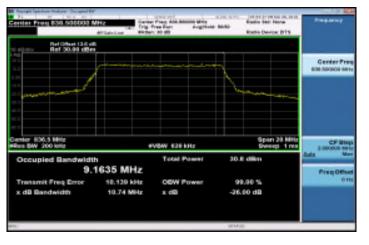
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#### Band5 10MHz QPSK 50 0 LowCH20450-829





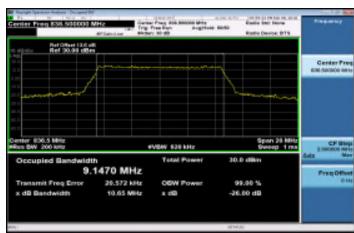
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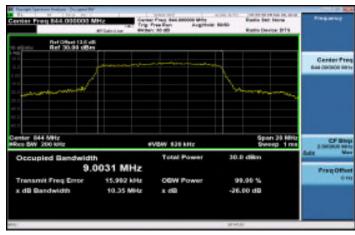
Band5 10MHz 16QAM 50 0 LowCH20450-829



Band5\_10MHz\_16QAM\_50\_0\_MidCH20525-836.5



Band5\_10MHz\_16QAM\_50\_0\_HighCH20600-844

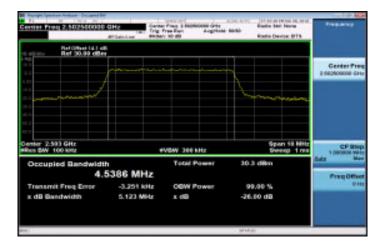


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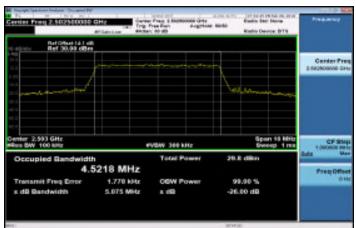


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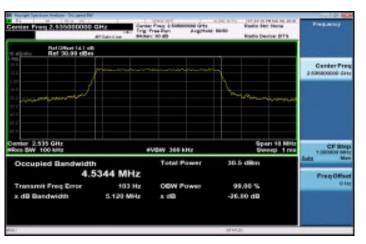
### Band7 5MHz QPSK 25 0 LowCH20775-2502.5



Band7 5MHz 16QAM 25 0 LowCH20775-2502.5



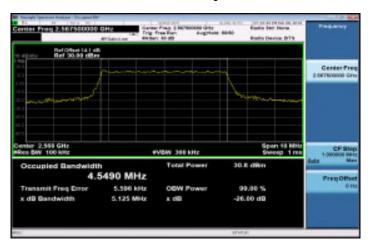
Band7\_5MHz\_QPSK\_25\_0\_MidCH21100-2535



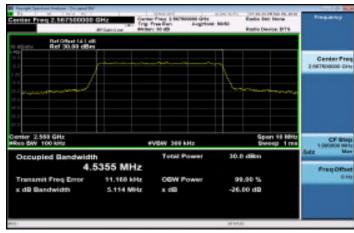
Band7\_5MHz\_16QAM\_25\_0\_MidCH21100-2535



Band7\_5MHz\_QPSK\_25\_0\_HighCH21425-2567.5



Band7\_5MHz\_16QAM\_25\_0\_HighCH21425-2567.5

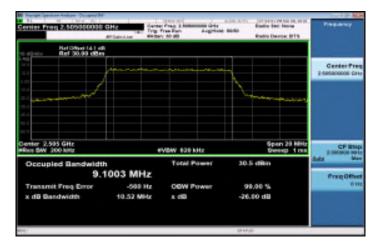


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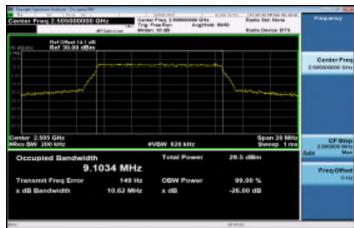


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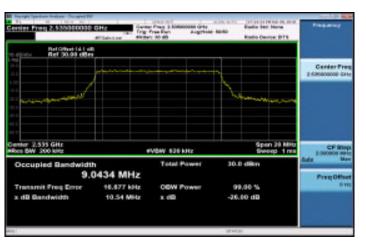
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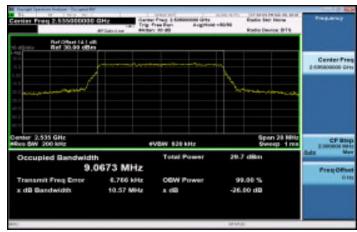
Band7 10MHz 16QAM 50 0 LowCH20800-2505



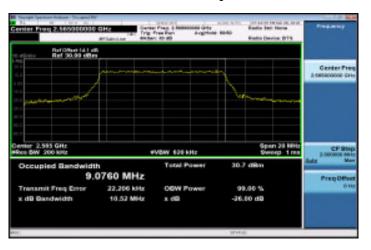
Band7\_10MHz\_QPSK\_50\_0\_MidCH21100-2535



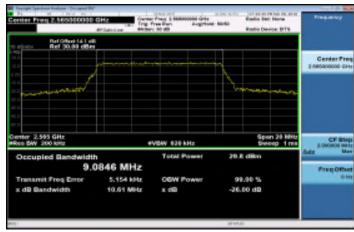
Band7\_10MHz\_16QAM\_50\_0\_MidCH21100-2535



Band7\_10MHz\_QPSK\_50\_0\_HighCH21400-2565



Band7\_10MHz\_16QAM\_50\_0\_HighCH21400-2565



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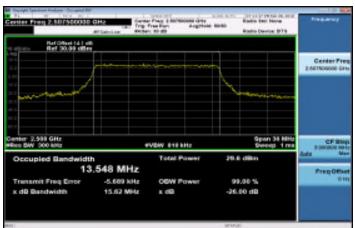


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Band7 15MHz QPSK 75 0 LowCH20825-2507.5



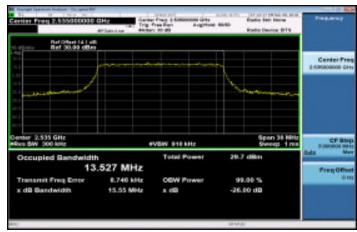
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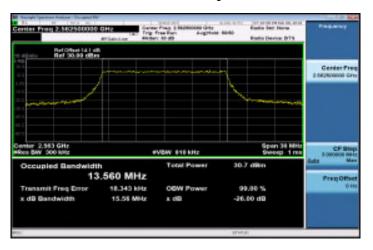
Band7\_15MHz\_QPSK\_75\_0\_MidCH21100-2535



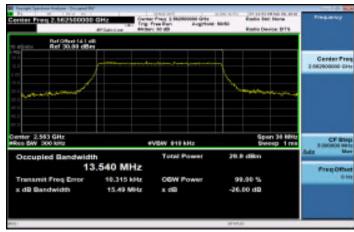
Band7\_15MHz\_16QAM\_75\_0\_MidCH21100-2535



Band7\_15MHz\_QPSK\_75\_0\_HighCH21375-2562.5



Band7\_15MHz\_16QAM\_75\_0\_HighCH21375-2562.5

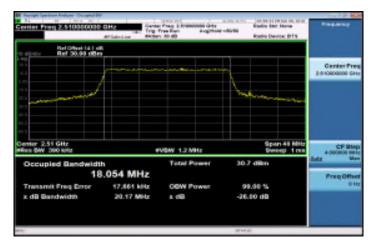


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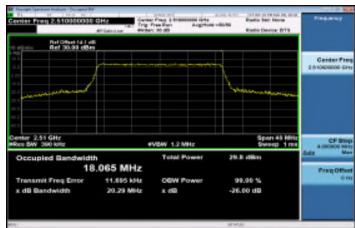


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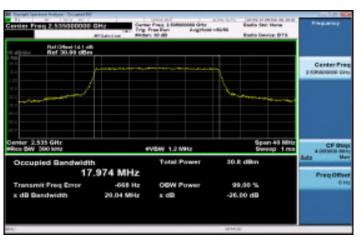
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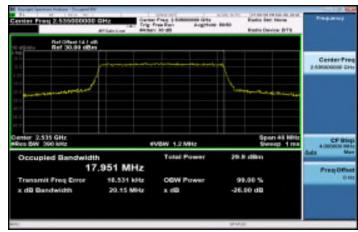
Band7\_20MHz\_16QAM\_100\_0\_LowCH20850-2510



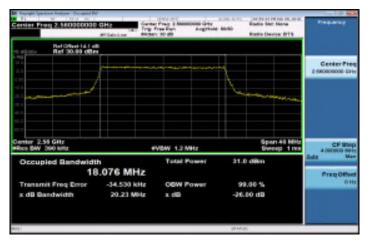
Band7\_20MHz\_QPSK\_100\_0\_MidCH21100-2535



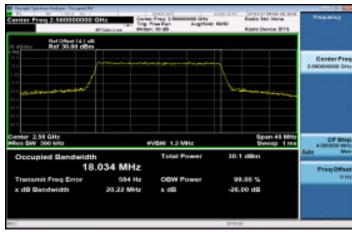
Band7\_20MHz\_16QAM\_100\_0\_MidCH21100-2535



Band7\_20MHz\_QPSK\_100\_0\_HighCH21350-2560



Band7\_20MHz\_16QAM\_100\_0\_HighCH21350-2560

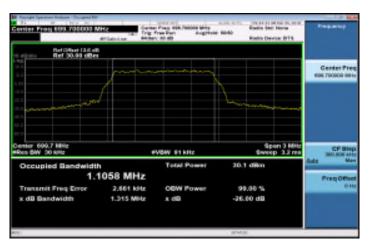


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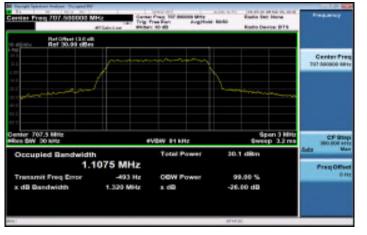


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Band12 1 4MHz QPSK 6 0 LowCH23017-699.7



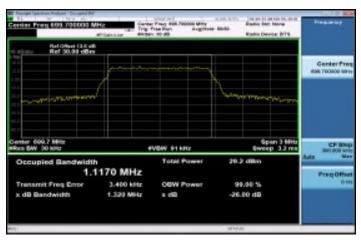
Band12\_1\_4MHz\_QPSK\_6\_0\_MidCH23095-707.5



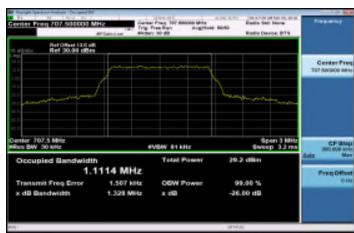
Band12\_1\_4MHz\_QPSK\_6\_0\_HighCH23173-715.3



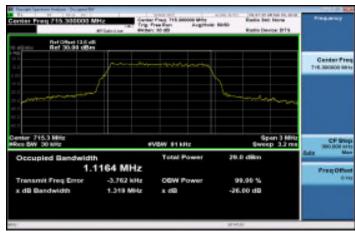
Band12\_1\_4MHz\_16QAM\_6\_0\_LowCH23017-699.7



Band12\_1\_4MHz\_16QAM\_6\_0\_MidCH23095-707.5



Band12\_1\_4MHz\_16QAM\_6\_0\_HighCH23173-715.3



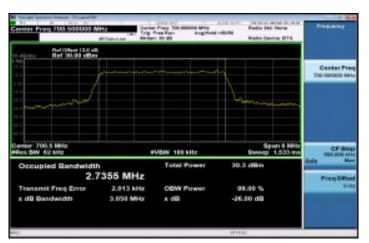
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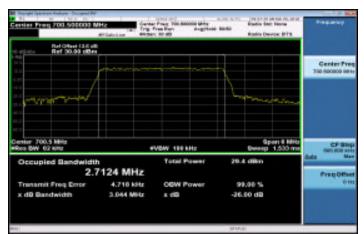


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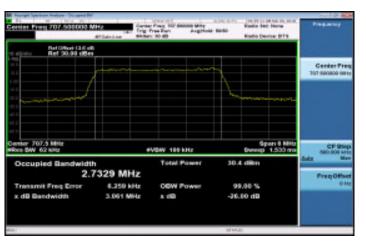
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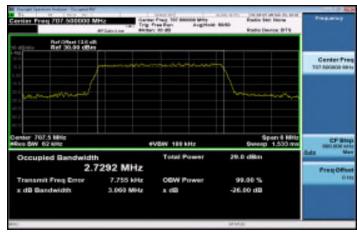
Band12 3MHz 16QAM 15 0 LowCH23025-700.5



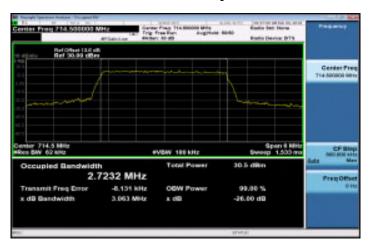
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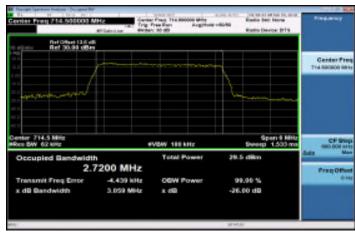
Band12\_3MHz\_16QAM\_15\_0\_MidCH23095-707.5



Band12\_3MHz\_QPSK\_15\_0\_HighCH23165-714.5



Band12\_3MHz\_16QAM\_15\_0\_HighCH23165-714.5

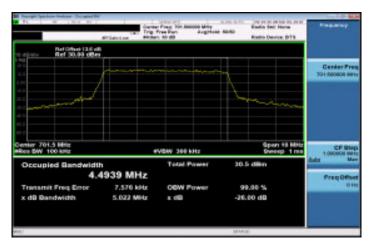


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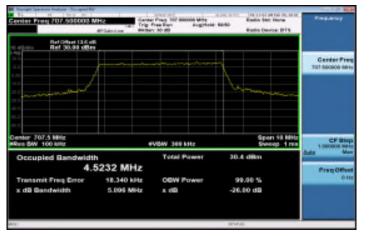


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Band12 5MHz QPSK 25 0 LowCH23035-701.5



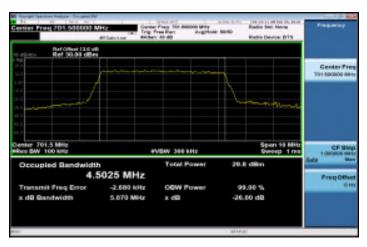
Band12\_5MHz\_QPSK\_25\_0\_MidCH23095-707.5



Band12\_5MHz\_QPSK\_25\_0\_HighCH23155-713.5



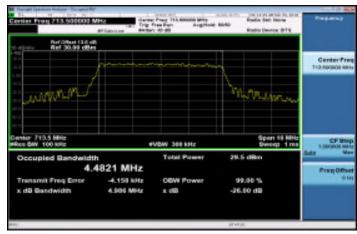
Band12 5MHz 16QAM 25 0 LowCH23035-701.5



Band12\_5MHz\_16QAM\_25\_0\_MidCH23095-707.5



Band12\_5MHz\_16QAM\_25\_0\_HighCH23155-713.5



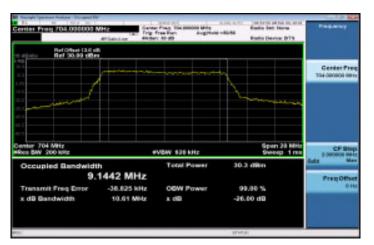
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Band12\_10MHz\_QPSK\_50\_0\_LowCH23060-704



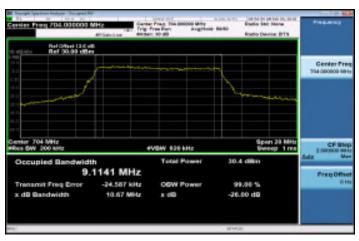
Band12\_10MHz\_QPSK\_50\_0\_MidCH23095-707.5



Band12\_10MHz\_QPSK\_50\_0\_HighCH23130-711



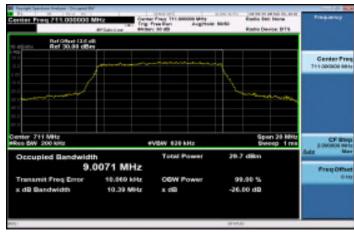
Band12 10MHz 16QAM 50 0 LowCH23060-704



Band12\_10MHz\_16QAM\_50\_0\_MidCH23095-707.5



Band12\_10MHz\_16QAM\_50\_0\_HighCH23130-711



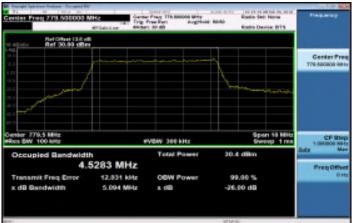
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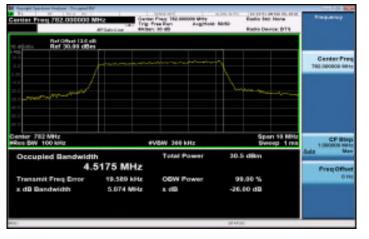


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Band13 5MHz QPSK 25 0 LowCH23205-779.5



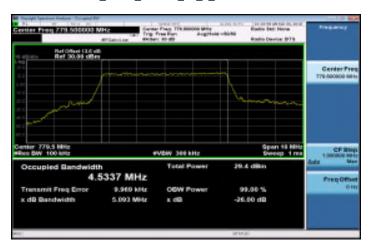
Band13\_5MHz\_QPSK\_25\_0\_MidCH23230-782



Band13\_5MHz\_QPSK\_25\_0\_HighCH23255-784.5



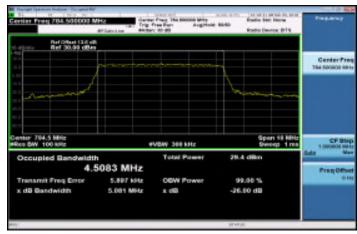
Band13\_5MHz\_16QAM\_25\_0\_LowCH23205-779.5



Band13\_5MHz\_16QAM\_25\_0\_MidCH23230-782



Band13\_5MHz\_16QAM\_25\_0\_HighCH23255-784.5



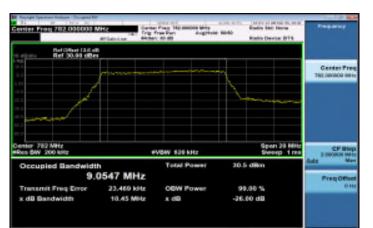
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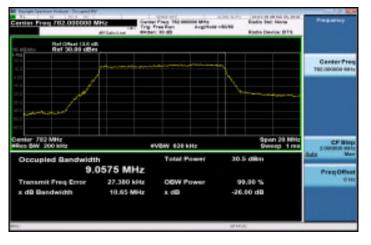


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Band13\_10MHz\_QPSK\_50\_0\_LowCH23230-782



Band13\_10MHz\_QPSK\_50\_0\_MidCH23230-782



Band13\_10MHz\_QPSK\_50\_0\_HighCH23230-782



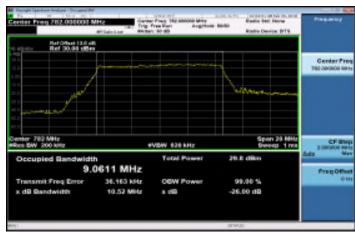
Band13 10MHz 16QAM 50 0 LowCH23230-782



Band13\_10MHz\_16QAM\_50\_0\_MidCH23230-782



Band13\_10MHz\_16QAM\_50\_0\_HighCH23230-782



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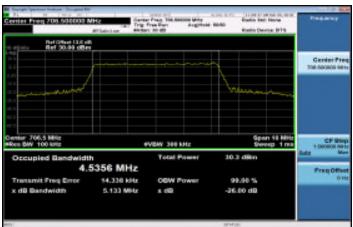


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Band17 5MHz QPSK 25 0 LowCH23755-706.5



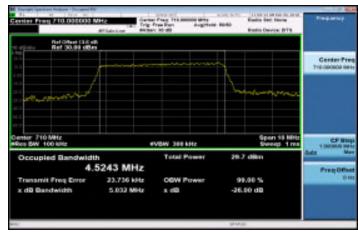
Band17\_5MHz\_16QAM\_25\_0\_LowCH23755-706.5



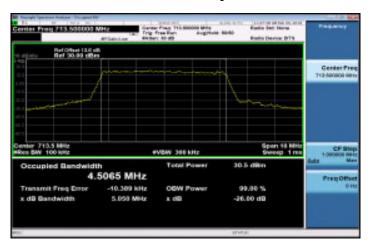
Band17\_5MHz\_QPSK\_25\_0\_MidCH23790-710



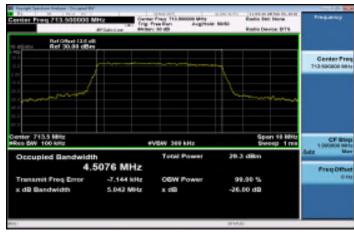
Band17\_5MHz\_16QAM\_25\_0\_MidCH23790-710



Band17\_5MHz\_QPSK\_25\_0\_HighCH23825-713.5



Band17\_5MHz\_16QAM\_25\_0\_HighCH23825-713.5

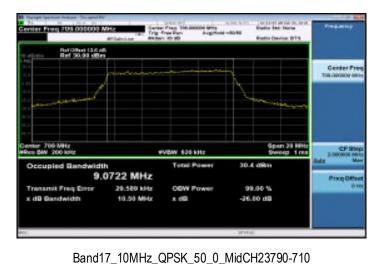


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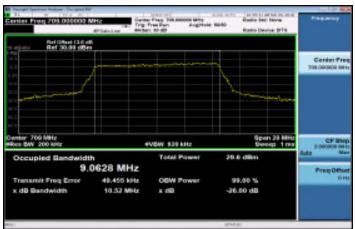


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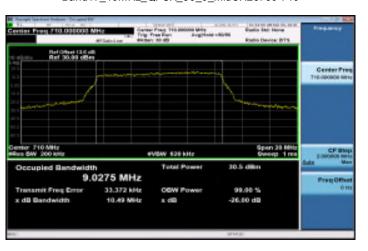
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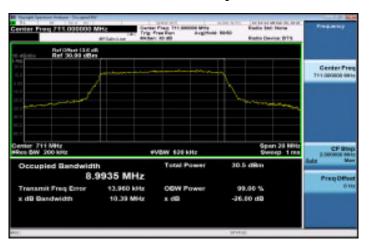
Band17 10MHz 16QAM 50 0 LowCH23780-709



Band17\_10MHz\_16QAM\_50\_0\_MidCH23790-710

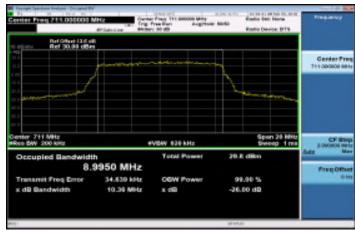


Band17\_10MHz\_QPSK\_50\_0\_HighCH23800-711



Ref 30.00 dBes Span 28 H VDW 525 kH 9,0149 MHz 39.707 kiltz 10.41 MHz -26.00 dB

Band17\_10MHz\_16QAM\_50\_0\_HighCH23800-711

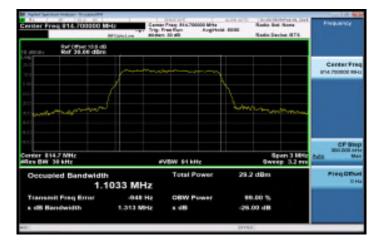


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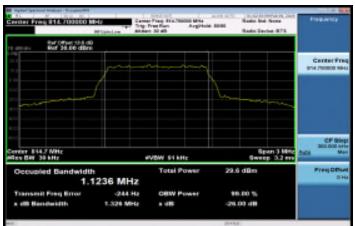


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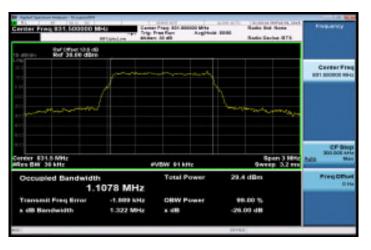
Band26 1 4MHz QPSK 6 0 LowCH26697



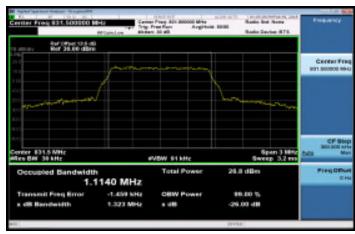
Band26 1 4MHz 16QAM 6 0 LowCH26697



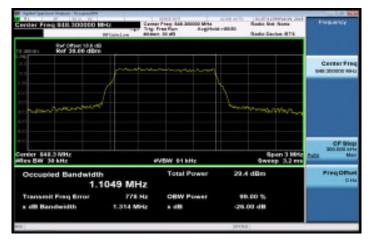
Band26 1 4MHz QPSK 6 0 MidCH26865



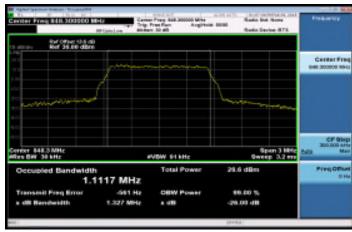
Band26\_1\_4MHz\_16QAM\_6\_0\_MidCH26865



Band26\_1\_4MHz\_QPSK\_6\_0\_HighCH27033



Band26\_1\_4MHz\_16QAM\_6\_0\_HighCH27033

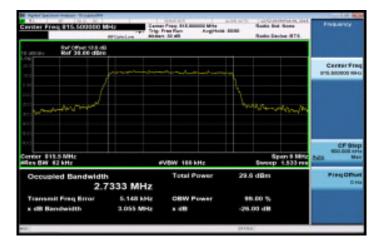


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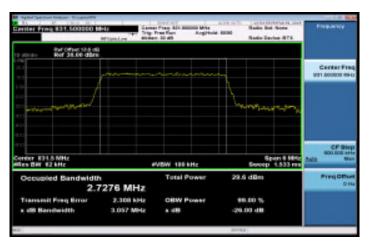
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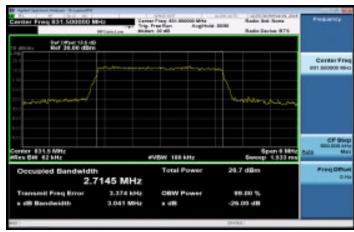
Band26\_3MHz\_16QAM\_15\_0\_LowCH26705



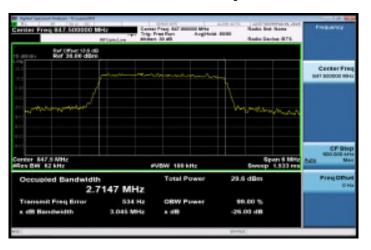
Band26\_3MHz\_QPSK\_15\_0\_MidCH26865



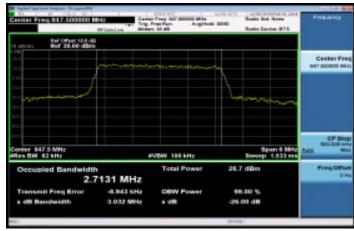
Band26\_3MHz\_16QAM\_15\_0\_MidCH26865



Band26\_3MHz\_QPSK\_15\_0\_HighCH27025



Band26\_3MHz\_16QAM\_15\_0\_HighCH27025

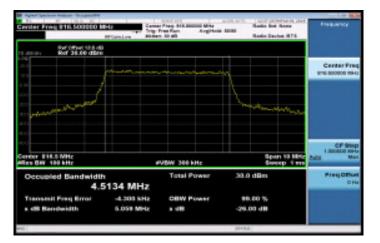


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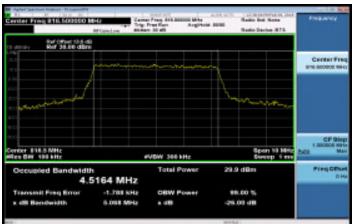


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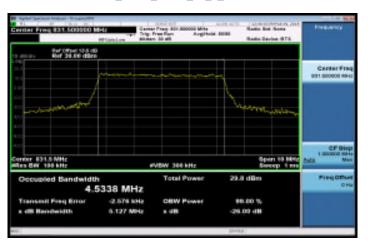
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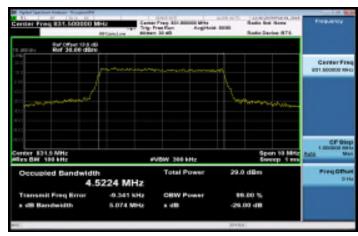
Band26\_5MHz\_16QAM\_25\_0\_LowCH26715



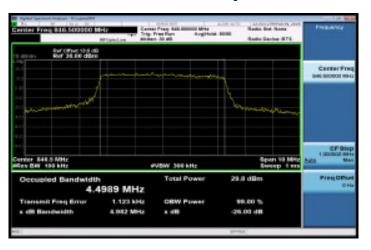
Band26 5MHz QPSK 25 0 MidCH26865



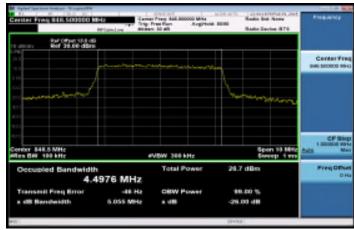
Band26\_5MHz\_16QAM\_25\_0\_MidCH26865



Band26\_5MHz\_QPSK\_25\_0\_HighCH27015



Band26\_5MHz\_16QAM\_25\_0\_HighCH27015



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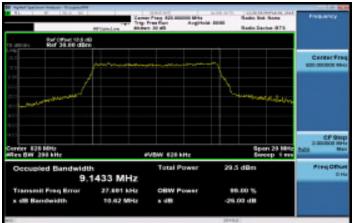


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Band26\_10MHz\_QPSK\_50\_0\_LowCH26750



Band26 10MHz 16QAM 50 0 LowCH26750



Band26\_10MHz\_QPSK\_50\_0\_MidCH26865



Band26\_10MHz\_16QAM\_50\_0\_MidCH26865



Band26\_10MHz\_QPSK\_50\_0\_HighCH26990



Band26\_10MHz\_16QAM\_50\_0\_HighCH26990

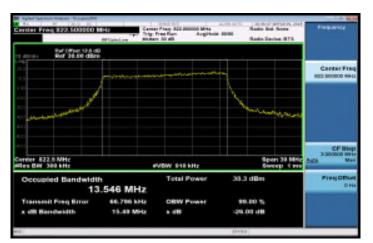


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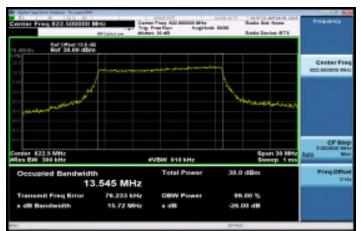


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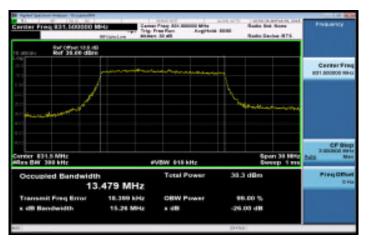
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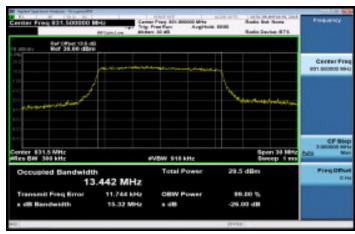
Band26\_15MHz\_16QAM\_75\_0\_LowCH26775



Band26\_15MHz\_QPSK\_75\_0\_MidCH26865



Band26\_15MHz\_16QAM\_75\_0\_MidCH26865



Band26\_15MHz\_QPSK\_75\_0\_HighCH26965



Band26\_15MHz\_16QAM\_75\_0\_HighCH26965

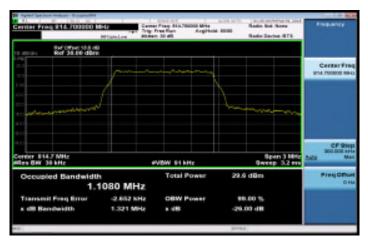


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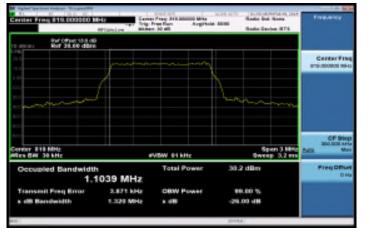


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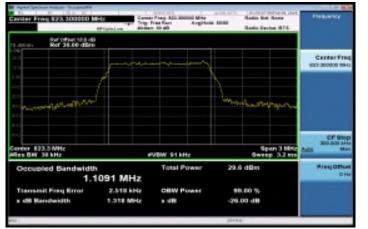
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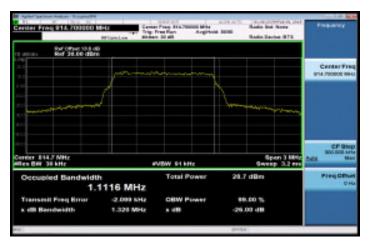
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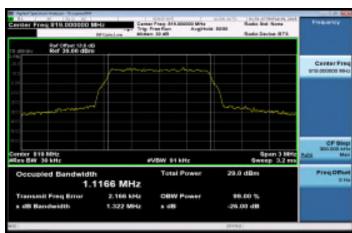
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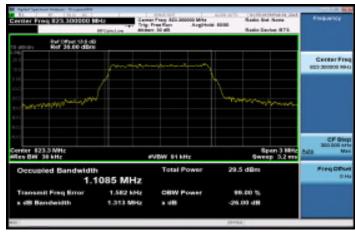
Part 90 Band26 1 4MHz 16QAM 6 0 LowCH26697



Part 90\_Band26\_1\_4MHz\_16QAM\_6\_0\_MidCH26740



Part 90\_Band26\_1\_4MHz\_16QAM\_6\_0\_HighCH26783



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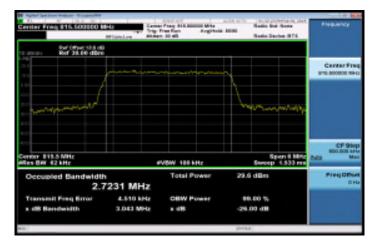
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f (886-2) 2298-0488

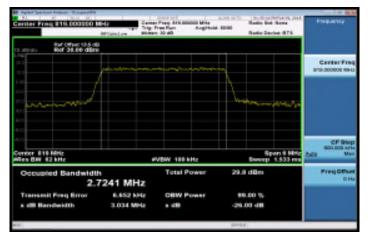


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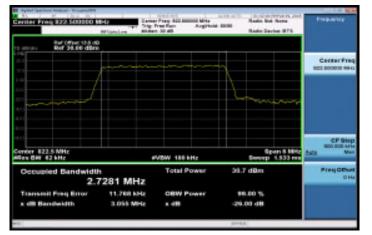
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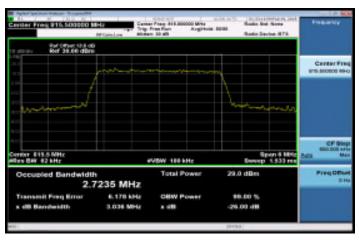
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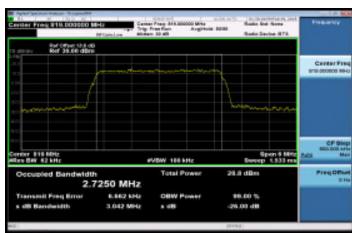
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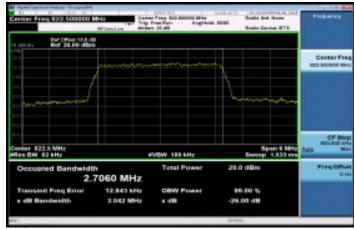
Part 90\_Band26\_3MHz\_16QAM\_15\_0\_LowCH26705



Part 90\_Band26\_3MHz\_16QAM\_15\_0\_MidCH26740



Part 90\_Band26\_3MHz\_16QAM\_15\_0\_HighCH26775



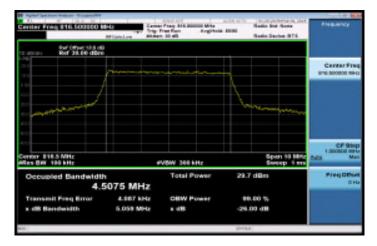
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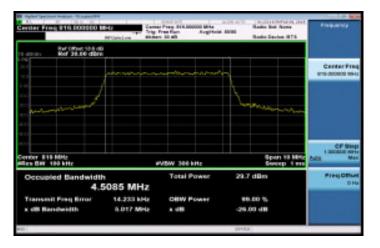


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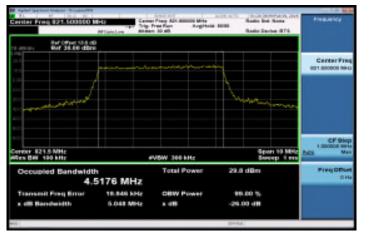
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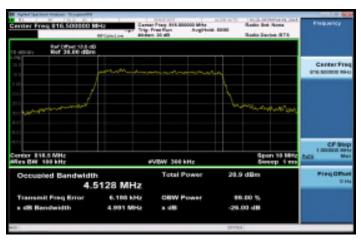
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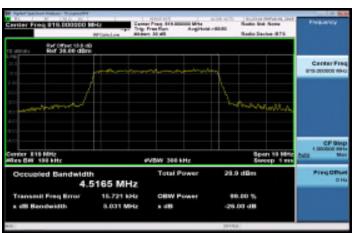
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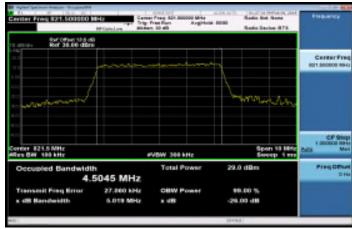
Part 90 Band26 5MHz 16QAM 25 0 LowCH26715



Part 90\_Band26\_5MHz\_16QAM\_25\_0\_MidCH26740



Part 90\_Band26\_5MHz\_16QAM\_25\_0\_HighCH26765



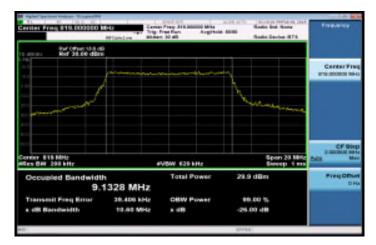
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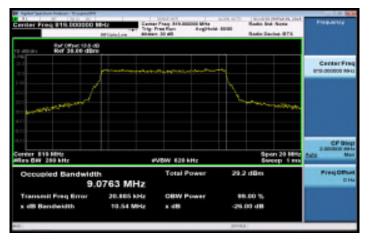


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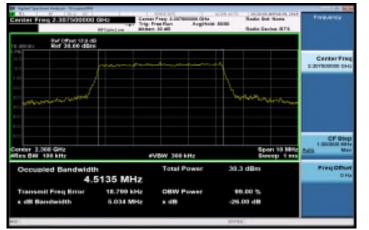
Part 90 Band26 10MHz QPSK 50 0 MidCH26740



Part 90\_Band26\_10MHz\_16QAM\_50\_0\_MidCH26740



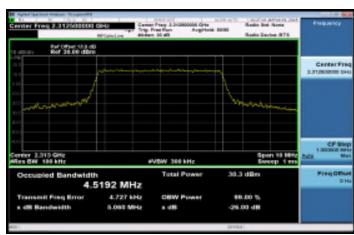
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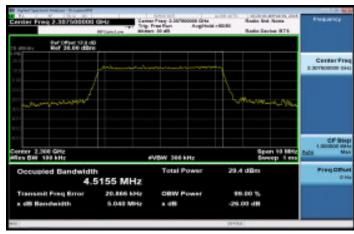
Band30 5MHz QPSK 25 0 MidCH27710



Band30\_5MHz\_QPSK\_25\_0\_HighCH27735



Band30\_5MHz\_16QAM\_25\_0\_LowCH27685



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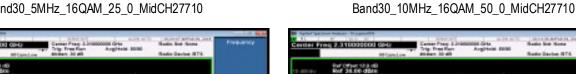


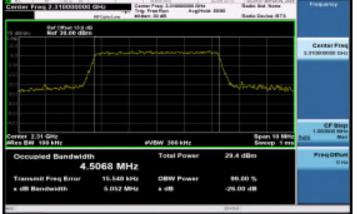
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26.00 48

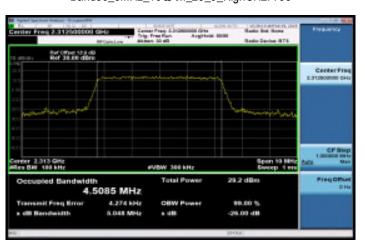
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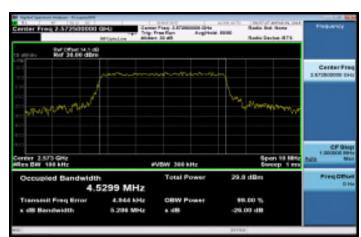
Band30 5MHz 16QAM 25 0 MidCH27710





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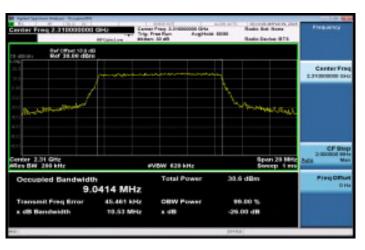


BW 628 kH

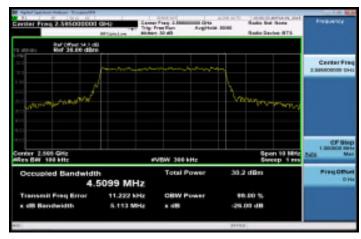
9.0241 MHz 28.787 kHz

10.52 MHz

Band30\_10MHz\_QPSK\_50\_0\_MidCH27710



Band38\_5MHz\_QPSK\_25\_0\_MidCH38000-2595



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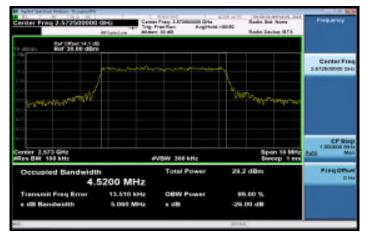


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Band38\_5MHz\_QPSK\_25\_0\_HighCH38225-2617.5



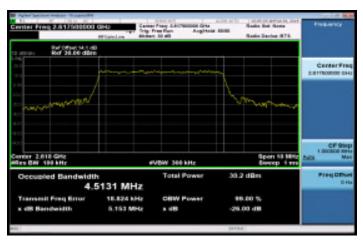
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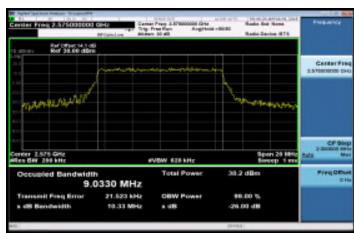
Band38\_5MHz\_16QAM\_25\_0\_MidCH38000-2595



Band38 5MHz 16QAM 25 0 HighCH38225-2617.5



Band38\_10MHz\_QPSK\_50\_0\_LowCH37800-2575



Band38\_10MHz\_QPSK\_50\_0\_MidCH38000-2595



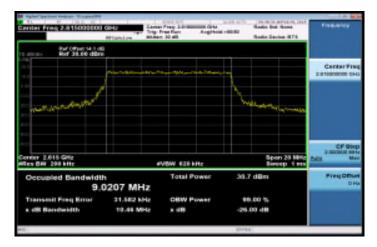
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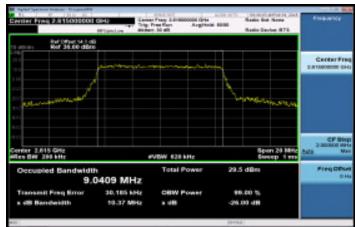


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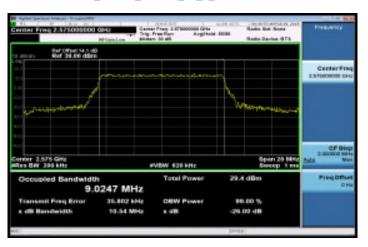
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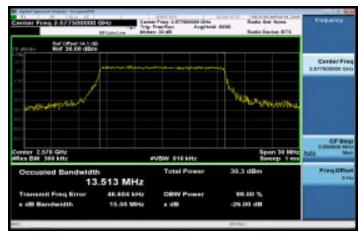
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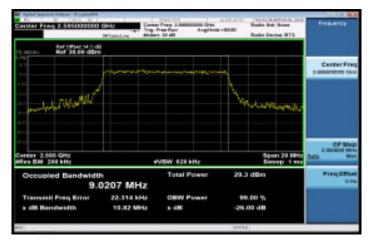
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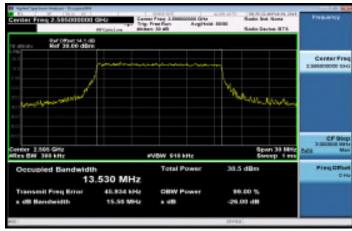
Band38\_15MHz\_QPSK\_75\_0\_LowCH37825-2577.5



Band38\_10MHz\_16QAM\_50\_0\_MidCH38000-2595



Band38\_15MHz\_QPSK\_75\_0\_MidCH38000-2595

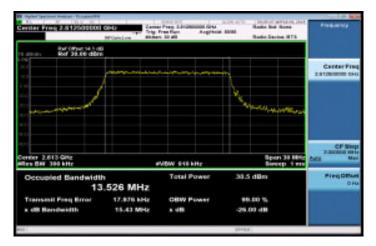


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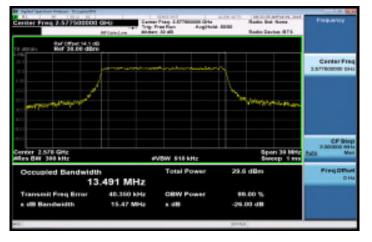


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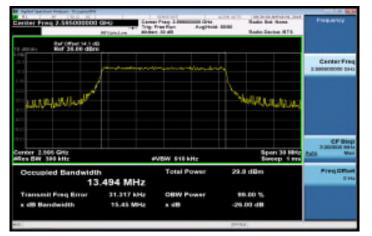
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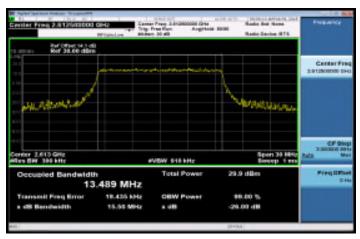
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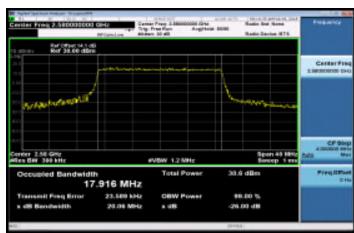
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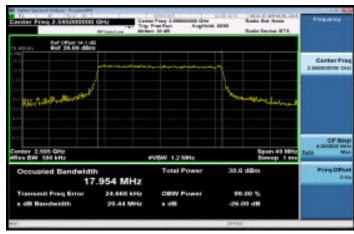
Band38\_15MHz\_16QAM\_75\_0\_HighCH38175-2612.5



Band38\_20MHz\_QPSK\_100\_0\_LowCH37850-2580



Band38\_20MHz\_QPSK\_100\_0\_MidCH38000-2595



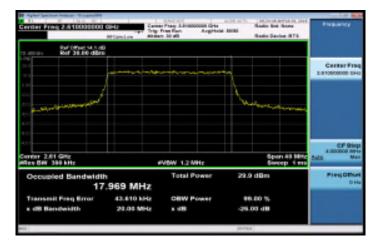
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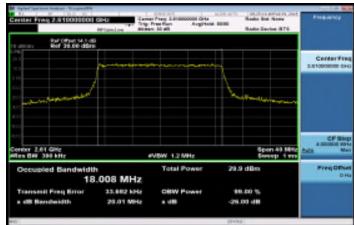


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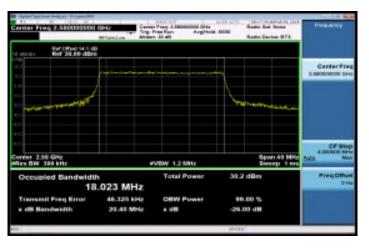
# Band38\_20MHz\_QPSK\_100\_0\_HighCH38150-2610



Band38\_20MHz\_16QAM\_100\_0\_HighCH38150-2610



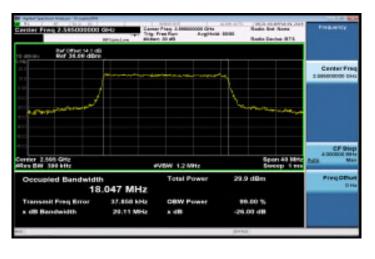
Band38\_20MHz\_16QAM\_100\_0\_LowCH37850-2580



Band41\_5MHz\_QPSK\_25\_0\_LowCH39675



Band38\_20MHz\_16QAM\_100\_0\_MidCH38000-2595



Band41\_5MHz\_QPSK\_25\_0\_MidCH40620



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Bar Offset 14.1 dE Ref 30.00 dBre

4.5051 MHz

17,189 kHz

per 2,400 GMz

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Band41\_5MHz\_QPSK\_25\_0\_HighCH41565



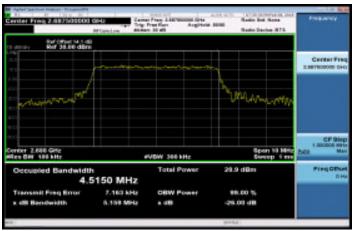


Band41\_5MHz\_16QAM\_25\_0\_MidCH40620

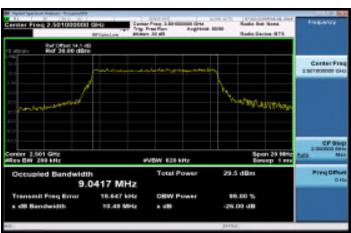
26.00 48



Band41\_5MHz\_16QAM\_25\_0\_HighCH41565



Band41\_10MHz\_QPSK\_50\_0\_LowCH39700



Band41\_10MHz\_QPSK\_50\_0\_MidCH40620

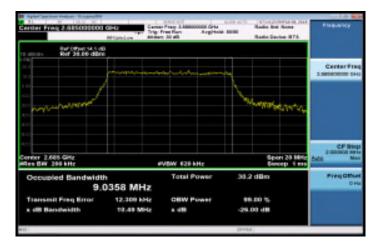


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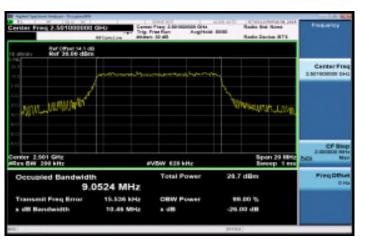
Band41\_10MHz\_QPSK\_50\_0\_HighCH41540



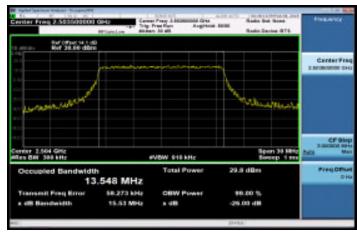
Band41\_10MHz\_16QAM\_50\_0\_HighCH41540



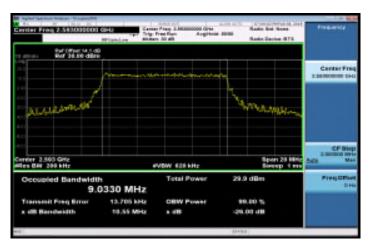
Band41\_10MHz\_16QAM\_50\_0\_LowCH39700



Band41\_15MHz\_QPSK\_75\_0\_LowCH39725



Band41\_10MHz\_16QAM\_50\_0\_MidCH40620



Band41\_15MHz\_QPSK\_75\_0\_MidCH40620



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