



# FCC RF Test Report

**APPLICANT** : Xiaomi Communications Co., Ltd.  
**EQUIPMENT** : Mobile Phone  
**BRAND NAME** : Xiaomi  
**MODEL NAME** : 2506BPN68G  
**FCC ID** : 2AFZZPN68G  
**STANDARD** : 47 CFR Part 22(H), 24(E), 27(L)  
**CLASSIFICATION** : PCS Licensed Transmitter Held to Ear (PCE)  
**TEST DATE(S)** : Apr. 30, 2025 ~ Jun. 10, 2025

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.



Approved by: Fly Liang

**Sporton International Inc. (ShenZhen)**

**1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055**

**People's Republic of China**



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### REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG542529B	Rev. 01	Initial issue of report	Jun. 11, 2025



## SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§24.232(c)	Equivalent Isotropic Radiated Power (Band 2) (Band 25)	EIRP < 2Watt		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log <sub>10</sub> (P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log <sub>10</sub> (P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log <sub>10</sub> (P[Watts])	PASS	Under limit 24.83 dB at 10180.00 MHz

**Conformity Assessment Condition:**

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



# 1 General Description

## 1.1 Applicant

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

## 1.2 Manufacturer

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

## 1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Xiaomi
Model Name	2506BPN68G
FCC ID	2AFZZPN68G
IMEI Code	Conducted: 864724070063060 Radiation: 864724070060165/864724070060173
HW Version	1351P2404
SW Version	Xiaomi HyperOS 2.0
EUT Stage	Identical Prototype



### 1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
<b>Tx Frequency</b>	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 824 MHz ~ 849 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz
<b>Rx Frequency</b>	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz LTE Band 26 : 869 MHz ~ 894 MHz LTE Band 66 : 2110 MHz~ 2180 MHz
<b>Bandwidth</b>	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz
<b>Maximum Output Power to Antenna</b>	<b>&lt;Ant.0&gt;</b> LTE Band 5 : 25.10 dBm LTE Band 26 : 25.11 dBm <b>&lt;Ant.1&gt;</b> LTE Band 5 : 25.24 dBm LTE Band 26 : 25.36 dBm <b>&lt;Ant.2&gt;</b> LTE Band 2 : 24.65 dBm LTE Band 4 : 25.26 dBm LTE Band 25 : 24.66 dBm LTE Band 66 : 25.33 dBm <b>&lt;Ant.3&gt;</b> LTE Band 2 : 24.38 dBm LTE Band 4 : 24.81 dBm LTE Band 25 : 24.39 dBm LTE Band 66 : 24.86 dBm <b>&lt;Ant.4&gt;</b> LTE Band 2 : 23.81 dBm LTE Band 4 : 24.75 dBm LTE Band 25 : 23.82 dBm LTE Band 66 : 24.83 dBm <b>&lt;Ant.5&gt;</b> LTE Band 2 : 23.16 dBm LTE Band 4 : 24.01 dBm LTE Band 25 : 23.16 dBm LTE Band 66 : 24.14 dBm
<b>Antenna Gain</b>	<b>&lt;Ant.0&gt;</b> LTE Band 5 : -3.8 dBi LTE Band 26 : -3.8 dBi <b>&lt;Ant.1&gt;</b> LTE Band 5 : -2.3 dBi LTE Band 26 : -2.3 dBi



	<p><b>&lt;Ant.2&gt;</b>  LTE Band 2 : -3.7 dBi  LTE Band 4 : -3.74 dBi  LTE Band 25 : -3.7 dBi  LTE Band 66 : -3.74 dBi</p> <p><b>&lt;Ant.3&gt;</b>  LTE Band 2 : 0 dBi  LTE Band 4 : -0.1 dBi  LTE Band 25 : 0 dBi  LTE Band 66 : -0.1 dBi</p> <p><b>&lt;Ant.4&gt;</b>  LTE Band 2 : -2.2 dBi  LTE Band 4 : -1.3 dBi  LTE Band 25 : -2.2 dBi  LTE Band 66 : -1.3 dBi</p> <p><b>&lt;Ant.5&gt;</b>  LTE Band 2 : -4.9 dBi  LTE Band 4 : -5.2 dBi  LTE Band 25 : -4.9 dBi  LTE Band 66 : -5.2 dBi</p>
<b>Type of Modulation</b>	QPSK / 16QAM / 64QAM / 256QAM

Note:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, so only the maximum ERP/EIRP of Antenna 1 for LTE Band 5/26 and Antenna 3 for LTE Band 2/4/25/66 are shown in the report.
2. For conducted test items, only the test data of the worse Ant.1(for B2/5/26) and Ant.2(for B25/66) are shown in the report according to the maximum power, B4 covered by B66.
3. The device supports two PAs for LTE Band 2/5/4/66(main PA and other PA), both the PAs are full tested, only the worst ERP/EIRP are shown in the report.

### 1.5 Modification of EUT

No modifications are made to the EUT during all test items.



### 1.6 Maximum ERP/EIRP and Emission Designator

LTE Band 2		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1909.3	0.2564	1M09G7D	0.2099	1M10W7D
3	1851.5 ~ 1908.5	0.2564	2M72G7D	0.1928	2M72W7D
5	1852.5 ~ 1907.5	0.2553	4M50G7D	0.1986	4M50W7D
10	1855.0 ~ 1905.0	0.2588	9M07G7D	0.1950	9M07W7D
15	1857.5 ~ 1902.5	0.2576	13M5G7D	0.1932	13M5W7D
20	1860.0 ~ 1900.0	0.2742	17M9G7D	0.2094	17M9W7D
LTE Band 25		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1914.3	0.2506	1M09G7D	0.2018	1M10W7D
3	1851.5 ~ 1913.5	0.2500	2M72G7D	0.1928	2M72W7D
5	1852.5 ~ 1912.5	0.2512	4M50G7D	0.1945	4M49W7D
10	1855.0 ~ 1910.0	0.2523	9M07G7D	0.1923	9M01W7D
15	1857.5 ~ 1907.5	0.2535	13M4G7D	0.1932	13M5W7D
20	1860.0 ~ 1905.0	0.2748	17M9G7D	0.2065	17M9W7D
LTE Band 4		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1754.3	0.2761	1M09G7D	0.2193	1M09W7D
3	1711.5 ~ 1753.5	0.2754	2M72G7D	0.2094	2M73W7D
5	1712.5 ~ 1752.5	0.2786	4M49G7D	0.2163	4M51W7D
10	1715.0 ~ 1750.0	0.2773	9M03G7D	0.2089	9M05W7D
15	1717.5 ~ 1747.5	0.2793	13M4G7D	0.2118	13M5W7D
20	1720.0 ~ 1745.0	0.2958	17M9G7D	0.2280	17M9W7D
LTE Band 5		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.1178	1M10G7D	0.0957	1M09W7D
3	825.5 ~ 847.5	0.1167	2M72G7D	0.0895	2M73W7D
5	826.5 ~ 846.5	0.1175	4M49G7D	0.0914	4M50W7D
10	829.0 ~ 844.0	0.1199	9M07G7D	0.0920	9M05W7D



LTE Band 26		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.1153	1M09G7D	0.0931	1M09W7D
3	825.5 ~ 847.5	0.1156	2M72G7D	0.0887	2M73W7D
5	826.5 ~ 846.5	0.1132	4M47G7D	0.0885	4M50W7D
10	829.0 ~ 844.0	0.1164	9M03G7D	0.0879	8M99W7D
15	831.5 ~ 841.5	0.1233	13M4G7D	0.0938	13M5W7D
CH26790	824.0	0.1172	13M5G7D	0.0875	13M5W7D
LTE Band 66		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1779.3	0.2780	1M09G7D	0.2228	1M09W7D
3	1711.5 ~ 1778.5	0.2786	2M72G7D	0.2133	2M73W7D
5	1712.5 ~ 1777.5	0.2786	4M49G7D	0.2109	4M51W7D
10	1715.0 ~ 1775.0	0.2805	9M03G7D	0.2153	9M05W7D
15	1717.5 ~ 1772.5	0.2780	13M4G7D	0.2109	13M5W7D
20	1720.0 ~ 1770.0	0.2992	17M9G7D	0.2270	17M9W7D

Note:

1. LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 5 and the portion of Band 26 subject to Part 22 for main PA, LTE Band 5 other PA is full tested.
2. LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, the test results provided in this report covers Band 66 as well as Band 4 for main PA and other PA .
3. LTE Band 25 overlaps the entire frequency range of LTE Band 2. Therefore, the test results provided in this report covers Band 25 as well as Band 2 for main PA, LTE Band 2 other PA is full tested.
4. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.



### 1.7 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

<b>Test Firm</b>	Sporton International Inc. (ShenZhen)		
<b>Test Site Location</b>	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	TH01-SZ 03CH02-SZ	CN1256	421272

### 1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

### 1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 22(H), 24(E), 27(L)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

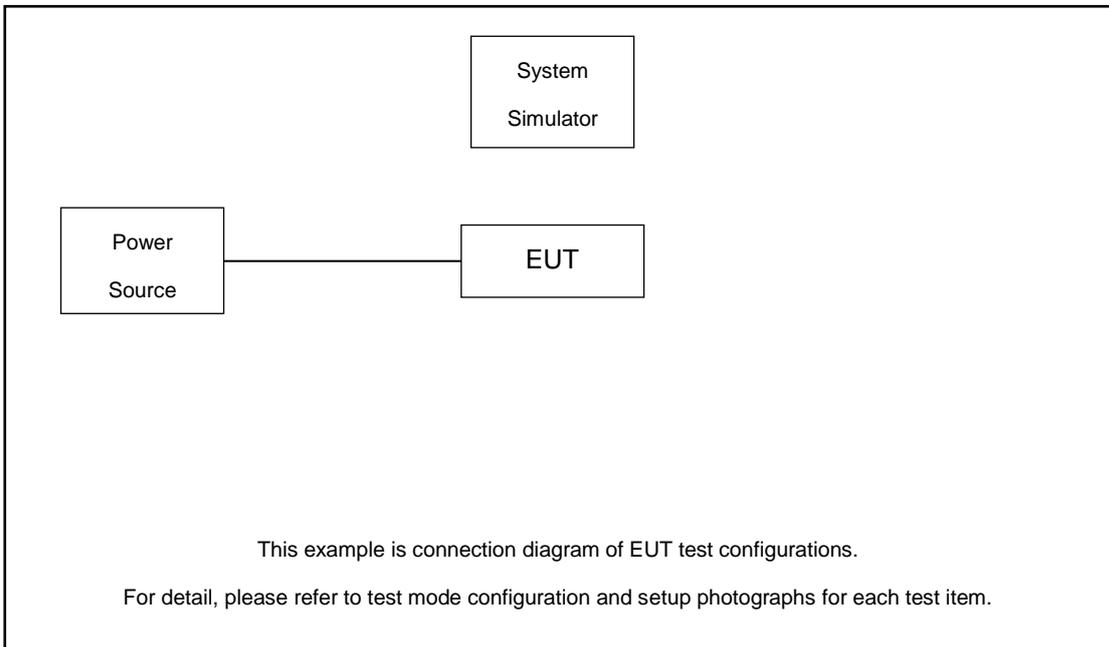
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Ave rage Ratio	2						v	v	v	v				v		v	
	5				v	-	-	v	v	v				v		v	
	25						v	v	v	v				v		v	
	26					v	-	v	v	v				v		v	
	66						v	v	v	v				v		v	
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v					v		v	
	5	v	v	v	v	-	-	v	v					v		v	
	25	v	v	v	v	v	v	v	v					v		v	
	26	v	v	v	v	v	-	v	v					v		v	
	66	v	v	v	v	v	v	v	v					v		v	
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v		v		v	v		v
	5	v	v	v	v	-	-	v	v	v		v		v	v		v
	25	v	v	v	v	v	v	v	v	v		v		v	v		v
	26	v	v	v	v	v	-	v	v	v		v		v	v		v
	66	v	v	v	v	v	v	v	v	v		v		v	v		v
Conducted Spurious Emission	2	v	v	v	v	v	v	v				v			v	v	v
	5	v	v	v	v	-	-	v				v			v	v	v
	25	v	v	v	v	v	v	v				v			v	v	v
	26	v	v	v	v	v	-	v				v			v	v	v
	66	v	v	v	v	v	v	v				v			v	v	v



Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel			
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Frequency Stability	2				v			v						v		v		
	5				v	-	-	v						v		v		
	25				v			v						v		v		
	26				v		-	v						v		v		
	66				v			v						v		v		
E.R.P/ E.I.R.P	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v	
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v	
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	
Radiated Spurious Emission	2	Worst Case															v	
	5	Worst Case															v	
	25	Worst Case															v	
	26	Worst Case															v	
	66	Worst Case															v	
Note	<p>1. The mark "v " means that this configuration is chosen for testing</p> <p>2. The mark "- " means that this bandwidth is not supported.</p> <p>3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.</p> <p>4. For QAM modulation mode, the whole testing has assessed 16QAM&amp;64QAM mode by referring to the higher conducted power.</p>																	

## 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

## 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 attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

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

*Offset = RF cable loss + attenuator factor.*

Following shows an offset computation example with cable loss 4.5 dB and 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.5 + 10 = 14.5 \text{ (dB)} \end{aligned}$$



### 2.5 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3



LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829	836.5	844
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

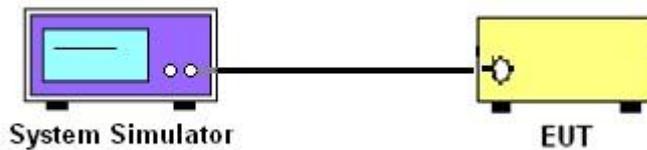
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

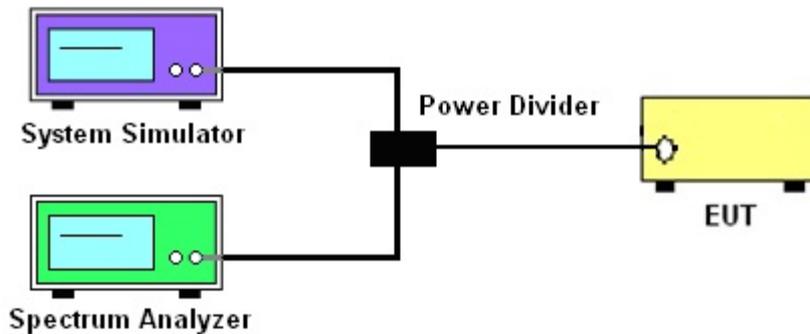
See list of measuring instruments of this test report.

#### 3.2 Test Setup

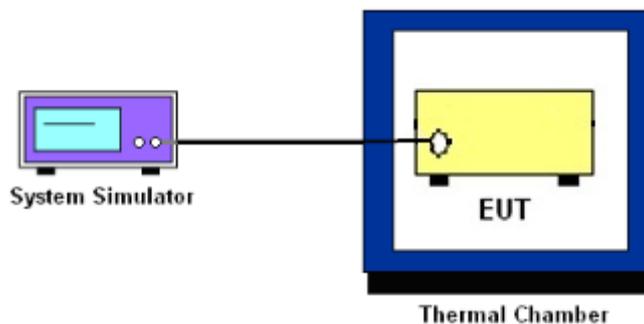
##### 3.2.1 Conducted Output Power



##### 3.2.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



##### 3.2.3 Frequency Stability



### 3.3 Test Result of Conducted Test

Please refer to Appendix A.



### 3.4 Conducted Output Power and ERP/EIRP

#### 3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$ ,  $ERP = EIRP - 2.15$ , where

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

$L_C$  = signal attenuation in the connecting cable between the transmitter and antenna in dB

#### 3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.



## **3.5 Peak-to-Average Ratio**

### **3.5.1 Description of the PAR Measurement**

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

### **3.5.2 Test Procedures**

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.



### 3.6 Occupied Bandwidth

#### 3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

#### 3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.  
(this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



## 3.7 Conducted Band Edge

### 3.7.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.



### 3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW  $\geq$  1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
= P(W)- [43 + 10log(P)] (dB)  
= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.

8. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.



### 3.8 Conducted Spurious Emission

#### 3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10<sup>th</sup> harmonic.

#### 3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
= P(W)- [43 + 10log(P)] (dB)  
= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)  
= -13dBm.



## 3.9 Frequency Stability

### 3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within  $\pm 0.00025\%$  ( $\pm 2.5\text{ppm}$ ) of the center frequency.

### 3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to  $-30^{\circ}\text{C}$  and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in  $10^{\circ}\text{C}$  step up to  $50^{\circ}\text{C}$ . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

### 3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at  $20\pm 5^{\circ}\text{C}$  and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

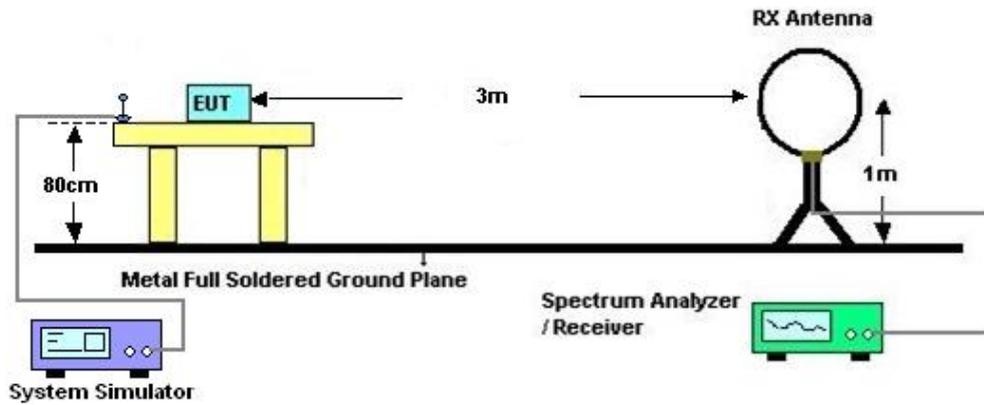
## 4 Radiated Test Items

### 4.1 Measuring Instruments

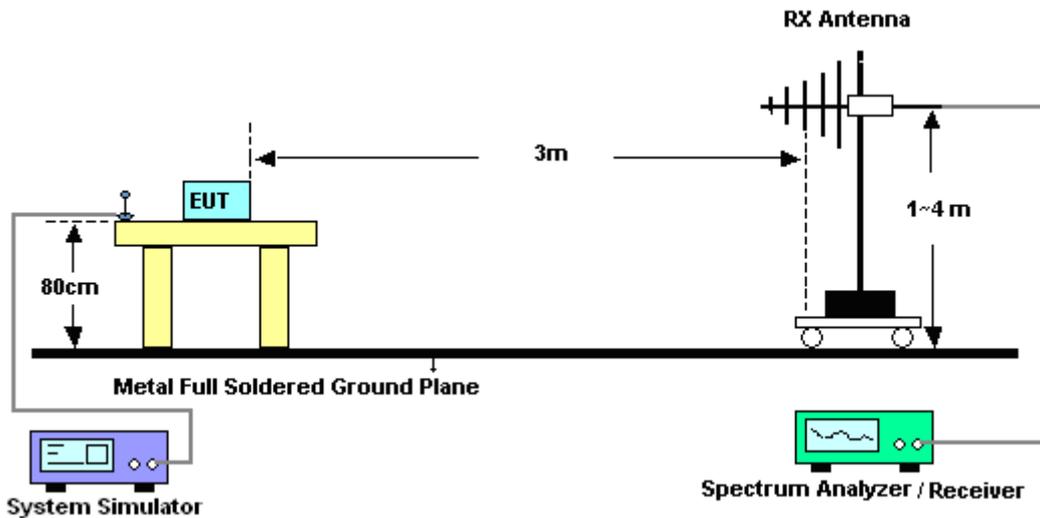
See list of measuring instruments of this test report.

### 4.2 Test Setup

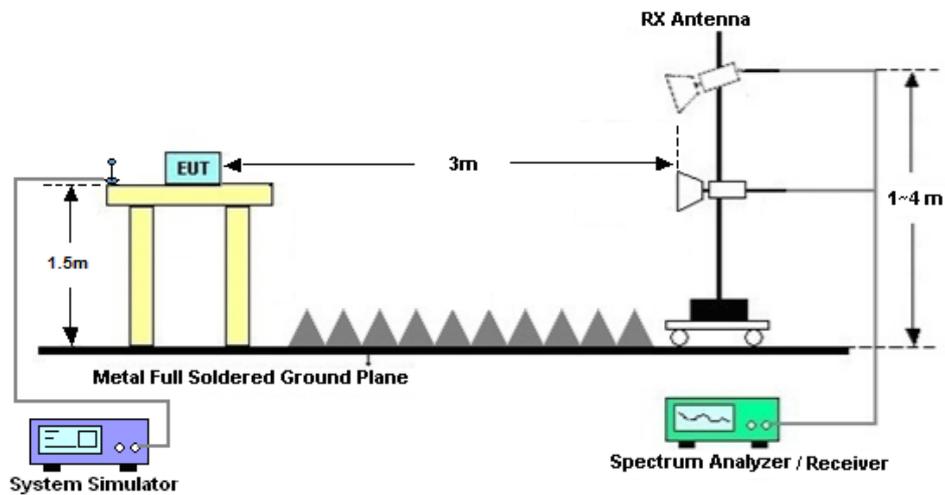
#### 4.2.1 For radiated test below 30MHz



#### 4.2.2 For radiated test from 30MHz to 1GHz



#### 4.2.3 For radiated test above 1GHz



#### 4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.



## 4.4 Radiated Spurious Emission

### 4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

### 4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10.  $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11.  $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
=  $P(W) - [43 + 10\log(P)] \text{ (dB)}$   
=  $[30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$   
= -13dBm.



## 5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Apr. 30, 2025~Jun. 10, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct. 14, 2024	Apr. 30, 2025~Jun. 10, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 08, 2024	Apr. 30, 2025~Jun. 10, 2025	Nov. 07, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Apr. 30, 2025~Jun. 10, 2025	Jul. 02, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2024	May 14, 2025	Jul. 02, 2025	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	May 14, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Oct. 24, 2023	May 14, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2024	May 14, 2025	Jul. 04, 2025	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	May 14, 2025	Jul. 03, 2025	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 03, 2025	May 14, 2025	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz~3GHz	Dec. 25, 2024	May 14, 2025	Dec. 24, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	May 14, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	May 14, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	May 14, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	May 14, 2025	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required



## 6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Peak to Average Ratio	±1.34 dB
Frequency Stability	±1.3 Hz

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.47 dB
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.31 dB
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### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.72 dB
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----- THE END -----



## Appendix A. Test Results of Conducted Test

Test Engineer :	Nina Cheng	Temperature :	24~26°C
		Relative Humidity :	50~53%

### Conducted Output Power(Average power) and ERP/EIRP

#### LTE Band 2\_Ant.3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low	Power Middle	Power High	EIRP(W)		
				Ch. / Freq.	Ch. / Freq.	Ch. / Freq.	L	M	H
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	24.34	24.38	24.20	0.2716	0.2742	0.2630
20	QPSK	1	49	24.30	24.27	24.32	0.2692	0.2673	0.2704
20	QPSK	1	99	24.24	24.27	24.20	0.2655	0.2673	0.2630
20	QPSK	50	0	23.50	23.56	23.42	0.2239	0.2270	0.2198
20	QPSK	50	24	23.31	23.49	23.32	0.2143	0.2234	0.2148
20	QPSK	50	50	23.29	23.44	23.41	0.2133	0.2208	0.2193
20	QPSK	100	0	23.17	23.25	23.06	0.2075	0.2113	0.2023
20	16QAM	1	0	23.12	23.21	23.12	0.2051	0.2094	0.2051
20	16QAM	1	49	23.06	22.95	23.01	0.2023	0.1972	0.2000
20	16QAM	1	99	23.01	23.19	23.11	0.2000	0.2084	0.2046
20	16QAM	50	0	22.17	22.30	22.27	0.1648	0.1698	0.1687
20	16QAM	50	24	22.16	22.13	22.22	0.1644	0.1633	0.1667
20	16QAM	50	50	22.15	22.27	22.29	0.1641	0.1687	0.1694
20	16QAM	100	0	22.28	22.55	22.47	0.1690	0.1799	0.1766
20	64QAM	1	0	22.14	22.32	22.14	0.1637	0.1706	0.1637
20	64QAM	1	49	22.08	22.21	22.13	0.1614	0.1663	0.1633
20	64QAM	1	99	22.01	22.40	22.00	0.1589	0.1738	0.1585
20	64QAM	50	0	21.17	21.43	21.42	0.1309	0.1390	0.1387
20	64QAM	50	24	21.17	21.26	21.19	0.1309	0.1337	0.1315
20	64QAM	50	50	21.18	21.25	21.26	0.1312	0.1334	0.1337
20	64QAM	100	0	21.30	21.44	21.41	0.1349	0.1393	0.1384
20	256QAM	1	0	19.13	19.41	19.14	0.0818	0.0873	0.0820
20	256QAM	1	49	19.07	19.26	19.11	0.0807	0.0843	0.0815
20	256QAM	1	99	19.07	19.11	19.06	0.0807	0.0815	0.0805
20	256QAM	50	0	19.22	19.25	19.25	0.0836	0.0841	0.0841
20	256QAM	50	24	19.29	19.25	19.13	0.0849	0.0841	0.0818
20	256QAM	50	50	19.26	19.33	19.11	0.0843	0.0857	0.0815
20	256QAM	100	0	19.32	19.36	19.24	0.0855	0.0863	0.0839
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H
15	QPSK	1	0	24.11	24.11	23.82	0.2576	0.2576	0.2410
15	QPSK	1	37	23.95	23.99	24.01	0.2483	0.2506	0.2518
15	QPSK	1	74	23.99	23.96	23.86	0.2506	0.2489	0.2432
15	QPSK	36	0	23.20	23.31	23.06	0.2089	0.2143	0.2023
15	QPSK	36	20	23.01	23.22	22.97	0.2000	0.2099	0.1982



15	QPSK	36	39	22.97	23.18	23.15	0.1982	0.2080	0.2065
15	QPSK	75	0	22.94	22.92	22.81	0.1968	0.1959	0.1910
15	16QAM	1	0	22.77	22.86	22.76	0.1892	0.1932	0.1888
15	16QAM	1	37	22.84	22.76	22.74	0.1923	0.1888	0.1879
15	16QAM	1	74	22.74	22.84	22.76	0.1879	0.1923	0.1888
15	16QAM	36	0	21.83	21.99	21.94	0.1524	0.1581	0.1563
15	16QAM	36	20	21.86	21.87	21.95	0.1535	0.1538	0.1567
15	16QAM	36	39	21.79	22.01	22.02	0.1510	0.1589	0.1592
15	16QAM	75	0	22.01	22.24	22.14	0.1589	0.1675	0.1637
15	64QAM	1	0	21.76	22.09	21.77	0.1500	0.1618	0.1503
15	64QAM	1	37	21.73	21.90	21.81	0.1489	0.1549	0.1517
15	64QAM	1	74	21.75	22.13	21.96	0.1496	0.1633	0.1570
15	64QAM	36	0	20.86	21.15	21.09	0.1219	0.1303	0.1285
15	64QAM	36	20	20.86	21.04	20.86	0.1219	0.1271	0.1219
15	64QAM	36	39	20.83	20.93	21.01	0.1211	0.1239	0.1262
15	64QAM	75	0	20.96	21.15	21.12	0.1247	0.1303	0.1294
15	256QAM	1	0	18.89	19.12	18.90	0.0774	0.0817	0.0776
15	256QAM	1	37	18.81	18.89	18.81	0.0760	0.0774	0.0760
15	256QAM	1	74	18.71	18.75	18.77	0.0743	0.0750	0.0753
15	256QAM	36	0	18.91	18.97	18.93	0.0778	0.0789	0.0782
15	256QAM	36	20	18.97	19.02	18.89	0.0789	0.0798	0.0774
15	256QAM	36	39	18.94	19.10	18.77	0.0783	0.0813	0.0753
15	256QAM	75	0	19.00	19.14	18.98	0.0794	0.0820	0.0791
Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	24.09	24.13	23.93	0.2564	0.2588	0.2472
10	QPSK	1	25	24.04	23.98	24.03	0.2535	0.2500	0.2529
10	QPSK	1	49	23.94	23.97	23.93	0.2477	0.2495	0.2472
10	QPSK	25	0	23.23	23.34	23.10	0.2104	0.2158	0.2042
10	QPSK	25	12	22.98	23.24	23.01	0.1986	0.2109	0.2000
10	QPSK	25	25	23.05	23.17	23.05	0.2018	0.2075	0.2018
10	QPSK	50	0	22.86	22.92	22.80	0.1932	0.1959	0.1905
10	16QAM	1	0	22.85	22.90	22.84	0.1928	0.1950	0.1923
10	16QAM	1	25	22.82	22.86	22.77	0.1914	0.1932	0.1892
10	16QAM	1	49	22.78	22.85	22.85	0.1897	0.1928	0.1928
10	16QAM	25	0	21.91	21.94	22.01	0.1552	0.1563	0.1589
10	16QAM	25	12	21.91	21.86	21.85	0.1552	0.1535	0.1531
10	16QAM	25	25	21.88	21.99	21.98	0.1542	0.1581	0.1578
10	16QAM	50	0	21.96	22.27	22.21	0.1570	0.1687	0.1663
10	64QAM	1	0	21.82	22.07	21.91	0.1521	0.1611	0.1552
10	64QAM	1	25	21.75	21.97	21.83	0.1496	0.1574	0.1524
10	64QAM	1	49	21.77	22.07	21.94	0.1503	0.1611	0.1563
10	64QAM	25	0	20.82	21.15	21.07	0.1208	0.1303	0.1279
10	64QAM	25	12	20.89	20.95	20.86	0.1227	0.1245	0.1219
10	64QAM	25	25	20.86	21.01	20.96	0.1219	0.1262	0.1247
10	64QAM	50	0	21.04	21.12	21.05	0.1271	0.1294	0.1274
10	256QAM	1	0	18.76	19.16	18.76	0.0752	0.0824	0.0752
10	256QAM	1	25	18.80	19.03	18.80	0.0759	0.0800	0.0759
10	256QAM	1	49	18.75	18.87	18.81	0.0750	0.0771	0.0760
10	256QAM	25	0	18.89	18.99	18.95	0.0774	0.0793	0.0785



10	256QAM	25	12	19.03	18.95	18.87	0.0800	0.0785	0.0771
10	256QAM	25	25	18.90	19.03	18.79	0.0776	0.0800	0.0757
10	256QAM	50	0	19.10	19.00	19.01	0.0813	0.0794	0.0796
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	24.04	24.07	23.93	0.2535	0.2553	0.2472
5	QPSK	1	12	23.94	23.99	23.98	0.2477	0.2506	0.2500
5	QPSK	1	24	23.91	23.98	23.84	0.2460	0.2500	0.2421
5	QPSK	12	0	23.24	23.27	23.17	0.2109	0.2123	0.2075
5	QPSK	12	7	22.97	23.14	23.02	0.1982	0.2061	0.2004
5	QPSK	12	13	23.03	23.18	23.07	0.2009	0.2080	0.2028
5	QPSK	25	0	22.83	23.02	22.77	0.1919	0.2004	0.1892
5	16QAM	1	0	22.75	22.88	22.89	0.1884	0.1941	0.1945
5	16QAM	1	12	22.71	22.81	22.74	0.1866	0.1910	0.1879
5	16QAM	1	24	22.73	22.94	22.86	0.1875	0.1968	0.1932
5	16QAM	12	0	21.82	22.03	21.94	0.1521	0.1596	0.1563
5	16QAM	12	7	21.90	21.90	21.91	0.1549	0.1549	0.1552
5	16QAM	12	13	21.91	21.90	22.01	0.1552	0.1549	0.1589
5	16QAM	25	0	22.00	22.32	22.12	0.1585	0.1706	0.1629
5	64QAM	1	0	21.85	22.00	21.87	0.1531	0.1585	0.1538
5	64QAM	1	12	21.84	21.89	21.80	0.1528	0.1545	0.1514
5	64QAM	1	24	21.71	22.17	21.97	0.1483	0.1648	0.1574
5	64QAM	12	0	20.82	21.14	21.19	0.1208	0.1300	0.1315
5	64QAM	12	7	20.87	20.99	20.95	0.1222	0.1256	0.1245
5	64QAM	12	13	20.82	20.90	20.95	0.1208	0.1230	0.1245
5	64QAM	25	0	20.94	21.09	21.14	0.1242	0.1285	0.1300
5	256QAM	1	0	18.85	19.07	18.83	0.0767	0.0807	0.0764
5	256QAM	1	12	18.70	19.01	18.86	0.0741	0.0796	0.0769
5	256QAM	1	24	18.78	18.86	18.74	0.0755	0.0769	0.0748
5	256QAM	12	0	18.90	18.88	18.92	0.0776	0.0773	0.0780
5	256QAM	12	7	19.06	18.95	18.82	0.0805	0.0785	0.0762
5	256QAM	12	13	18.95	19.09	18.74	0.0785	0.0811	0.0748
5	256QAM	25	0	19.08	19.12	18.87	0.0809	0.0817	0.0771
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	24.09	24.02	23.89	0.2564	0.2523	0.2449
3	QPSK	1	8	24.06	23.97	24.02	0.2547	0.2495	0.2523
3	QPSK	1	14	23.99	23.93	23.97	0.2506	0.2472	0.2495
3	QPSK	8	0	23.28	23.21	23.20	0.2128	0.2094	0.2089
3	QPSK	8	4	22.94	23.24	22.97	0.1968	0.2109	0.1982
3	QPSK	8	7	22.98	23.06	23.14	0.1986	0.2023	0.2061
3	QPSK	15	0	22.81	23.00	22.76	0.1910	0.1995	0.1888
3	16QAM	1	0	22.78	22.85	22.78	0.1897	0.1928	0.1897
3	16QAM	1	8	22.74	22.85	22.76	0.1879	0.1928	0.1888
3	16QAM	1	14	22.77	22.85	22.83	0.1892	0.1928	0.1919
3	16QAM	8	0	21.80	21.93	22.04	0.1514	0.1560	0.1600
3	16QAM	8	4	21.83	21.88	21.88	0.1524	0.1542	0.1542
3	16QAM	8	7	21.82	22.00	22.05	0.1521	0.1585	0.1603
3	16QAM	15	0	21.95	22.26	22.10	0.1567	0.1683	0.1622
3	64QAM	1	0	21.86	22.07	21.88	0.1535	0.1611	0.1542



3	64QAM	1	8	21.84	21.85	21.86	0.1528	0.1531	0.1535
3	64QAM	1	14	21.74	22.12	21.87	0.1493	0.1629	0.1538
3	64QAM	8	0	20.81	21.12	21.20	0.1205	0.1294	0.1318
3	64QAM	8	4	20.86	21.02	20.96	0.1219	0.1265	0.1247
3	64QAM	8	7	20.93	20.91	21.02	0.1239	0.1233	0.1265
3	64QAM	15	0	21.06	21.22	21.15	0.1276	0.1324	0.1303
3	256QAM	1	0	18.78	19.17	18.77	0.0755	0.0826	0.0753
3	256QAM	1	8	18.78	18.92	18.80	0.0755	0.0780	0.0759
3	256QAM	1	14	18.75	18.84	18.83	0.0750	0.0766	0.0764
3	256QAM	8	0	18.92	18.90	18.89	0.0780	0.0776	0.0774
3	256QAM	8	4	18.97	18.94	18.76	0.0789	0.0783	0.0752
3	256QAM	8	7	18.92	19.08	18.74	0.0780	0.0809	0.0748
3	256QAM	15	0	18.97	19.09	18.89	0.0789	0.0811	0.0774
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	23.99	24.05	23.87	0.2506	0.2541	0.2438
1.4	QPSK	1	3	24.05	24.03	24.03	0.2541	0.2529	0.2529
1.4	QPSK	1	5	23.89	24.00	23.89	0.2449	0.2512	0.2449
1.4	QPSK	3	0	24.02	24.09	23.95	0.2523	0.2564	0.2483
1.4	QPSK	3	1	24.00	23.95	24.06	0.2512	0.2483	0.2547
1.4	QPSK	3	3	23.97	23.91	23.96	0.2495	0.2460	0.2489
1.4	QPSK	6	0	23.18	23.23	23.07	0.2080	0.2104	0.2028
1.4	16QAM	1	0	22.95	23.14	23.08	0.1972	0.2061	0.2032
1.4	16QAM	1	3	22.94	23.22	23.03	0.1968	0.2099	0.2009
1.4	16QAM	1	5	22.91	22.97	22.83	0.1954	0.1982	0.1919
1.4	16QAM	3	0	22.84	22.85	22.90	0.1923	0.1928	0.1950
1.4	16QAM	3	1	22.78	22.88	22.70	0.1897	0.1941	0.1862
1.4	16QAM	3	3	22.74	22.83	22.82	0.1879	0.1919	0.1914
1.4	16QAM	6	0	21.90	21.98	21.92	0.1549	0.1578	0.1556
1.4	64QAM	1	0	21.78	21.87	21.86	0.1507	0.1538	0.1535
1.4	64QAM	1	3	21.87	21.91	22.02	0.1538	0.1552	0.1592
1.4	64QAM	1	5	22.00	22.18	22.24	0.1585	0.1652	0.1675
1.4	64QAM	3	0	21.84	22.09	21.90	0.1528	0.1618	0.1549
1.4	64QAM	3	1	21.75	21.98	21.88	0.1496	0.1578	0.1542
1.4	64QAM	3	3	21.77	22.09	21.89	0.1503	0.1618	0.1545
1.4	64QAM	6	0	20.86	20.87	20.99	0.1219	0.1222	0.1256
1.4	256QAM	1	0	18.86	19.14	18.80	0.0769	0.0820	0.0759
1.4	256QAM	1	3	18.73	19.01	18.87	0.0746	0.0796	0.0771
1.4	256QAM	1	5	18.76	18.76	18.77	0.0752	0.0752	0.0753
1.4	256QAM	3	0	18.85	18.91	19.01	0.0767	0.0778	0.0796
1.4	256QAM	3	1	19.05	18.92	18.81	0.0804	0.0780	0.0760
1.4	256QAM	3	3	18.99	19.00	18.80	0.0793	0.0794	0.0759
1.4	256QAM	6	0	19.03	19.01	19.01	0.0800	0.0796	0.0796



LTE Band 4\_Ant.3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745	L	M	H
20	QPSK	1	0	24.79	24.81	24.63	0.2944	0.2958	0.2838
20	QPSK	1	49	24.65	24.72	24.77	0.2851	0.2897	0.2931
20	QPSK	1	99	24.67	24.64	24.65	0.2864	0.2844	0.2851
20	QPSK	50	0	23.83	24.07	23.94	0.2360	0.2495	0.2421
20	QPSK	50	24	23.79	23.91	23.79	0.2339	0.2404	0.2339
20	QPSK	50	50	23.69	23.88	23.90	0.2286	0.2388	0.2399
20	QPSK	100	0	23.59	23.64	23.52	0.2234	0.2259	0.2198
20	16QAM	1	0	23.48	23.68	23.55	0.2178	0.2280	0.2213
20	16QAM	1	49	23.51	23.36	23.43	0.2193	0.2118	0.2153
20	16QAM	1	99	23.49	23.64	23.52	0.2183	0.2259	0.2198
20	16QAM	50	0	22.67	22.70	22.74	0.1807	0.1820	0.1837
20	16QAM	50	24	22.58	22.61	22.64	0.1770	0.1782	0.1795
20	16QAM	50	50	22.54	22.73	22.65	0.1754	0.1832	0.1799
20	16QAM	100	0	22.71	22.96	22.89	0.1824	0.1932	0.1901
20	64QAM	1	0	22.52	22.64	22.52	0.1746	0.1795	0.1746
20	64QAM	1	49	22.44	22.64	22.56	0.1714	0.1795	0.1762
20	64QAM	1	99	22.48	22.83	22.42	0.1730	0.1875	0.1706
20	64QAM	50	0	21.55	21.77	21.77	0.1396	0.1469	0.1469
20	64QAM	50	24	21.57	21.75	21.63	0.1403	0.1462	0.1422
20	64QAM	50	50	21.61	21.66	21.68	0.1416	0.1432	0.1439
20	64QAM	100	0	21.73	21.87	21.86	0.1455	0.1503	0.1500
20	256QAM	1	0	19.59	19.78	19.52	0.0889	0.0929	0.0875
20	256QAM	1	49	19.59	19.67	19.51	0.0889	0.0906	0.0873
20	256QAM	1	99	19.51	19.48	19.41	0.0873	0.0867	0.0853
20	256QAM	50	0	19.75	19.67	19.72	0.0923	0.0906	0.0916
20	256QAM	50	24	19.74	19.67	19.61	0.0920	0.0906	0.0893
20	256QAM	50	50	19.61	19.82	19.54	0.0893	0.0938	0.0879
20	256QAM	100	0	19.76	19.81	19.73	0.0925	0.0935	0.0918
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	24.54	24.56	24.41	0.2780	0.2793	0.2698
15	QPSK	1	37	24.36	24.38	24.45	0.2667	0.2679	0.2723
15	QPSK	1	74	24.43	24.38	24.38	0.2710	0.2679	0.2679
15	QPSK	36	0	23.53	23.77	23.59	0.2203	0.2328	0.2234
15	QPSK	36	20	23.50	23.63	23.54	0.2188	0.2254	0.2208
15	QPSK	36	39	23.43	23.58	23.56	0.2153	0.2228	0.2218
15	QPSK	75	0	23.32	23.38	23.15	0.2099	0.2128	0.2018
15	16QAM	1	0	23.14	23.36	23.18	0.2014	0.2118	0.2032
15	16QAM	1	37	23.20	23.07	23.12	0.2042	0.1982	0.2004
15	16QAM	1	74	23.17	23.28	23.22	0.2028	0.2080	0.2051



15	16QAM	36	0	22.40	22.39	22.45	0.1698	0.1694	0.1718
15	16QAM	36	20	22.27	22.25	22.38	0.1648	0.1641	0.1690
15	16QAM	36	39	22.20	22.49	22.42	0.1622	0.1734	0.1706
15	16QAM	75	0	22.40	22.71	22.55	0.1698	0.1824	0.1758
15	64QAM	1	0	22.13	22.31	22.14	0.1596	0.1663	0.1600
15	64QAM	1	37	22.03	22.24	22.24	0.1560	0.1637	0.1637
15	64QAM	1	74	22.06	22.43	22.10	0.1570	0.1710	0.1585
15	64QAM	36	0	21.25	21.45	21.52	0.1303	0.1365	0.1387
15	64QAM	36	20	21.24	21.42	21.35	0.1300	0.1355	0.1334
15	64QAM	36	39	21.33	21.42	21.45	0.1327	0.1355	0.1365
15	64QAM	75	0	21.40	21.57	21.58	0.1349	0.1403	0.1406
15	256QAM	1	0	19.23	19.48	19.29	0.0818	0.0867	0.0830
15	256QAM	1	37	19.24	19.34	19.26	0.0820	0.0839	0.0824
15	256QAM	1	74	19.23	19.24	19.14	0.0818	0.0820	0.0802
15	256QAM	36	0	19.41	19.32	19.40	0.0853	0.0836	0.0851
15	256QAM	36	20	19.46	19.38	19.33	0.0863	0.0847	0.0838
15	256QAM	36	39	19.25	19.44	19.21	0.0822	0.0859	0.0815
15	256QAM	75	0	19.41	19.48	19.51	0.0853	0.0867	0.0873
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	24.50	24.44	24.25	0.2754	0.2716	0.2600
10	QPSK	1	25	24.41	24.46	24.53	0.2698	0.2729	0.2773
10	QPSK	1	49	24.40	24.33	24.39	0.2692	0.2649	0.2685
10	QPSK	25	0	23.51	23.79	23.57	0.2193	0.2339	0.2223
10	QPSK	25	12	23.50	23.58	23.53	0.2188	0.2228	0.2203
10	QPSK	25	25	23.38	23.62	23.66	0.2128	0.2249	0.2270
10	QPSK	50	0	23.36	23.42	23.17	0.2118	0.2148	0.2028
10	16QAM	1	0	23.20	23.30	23.23	0.2042	0.2089	0.2056
10	16QAM	1	25	23.24	23.09	23.20	0.2061	0.1991	0.2042
10	16QAM	1	49	23.27	23.28	23.23	0.2075	0.2080	0.2056
10	16QAM	25	0	22.39	22.37	22.41	0.1694	0.1687	0.1702
10	16QAM	25	12	22.34	22.38	22.27	0.1675	0.1690	0.1648
10	16QAM	25	25	22.30	22.35	22.41	0.1660	0.1679	0.1702
10	16QAM	50	0	22.45	22.60	22.66	0.1718	0.1778	0.1803
10	64QAM	1	0	22.20	22.42	22.15	0.1622	0.1706	0.1603
10	64QAM	1	25	22.08	22.29	22.27	0.1578	0.1656	0.1648
10	64QAM	1	49	22.25	22.54	22.06	0.1641	0.1754	0.1570
10	64QAM	25	0	21.32	21.54	21.43	0.1324	0.1393	0.1358
10	64QAM	25	12	21.19	21.47	21.30	0.1285	0.1371	0.1318
10	64QAM	25	25	21.27	21.41	21.38	0.1309	0.1352	0.1343
10	64QAM	50	0	21.36	21.51	21.61	0.1337	0.1384	0.1416
10	256QAM	1	0	19.32	19.48	19.26	0.0836	0.0867	0.0824
10	256QAM	1	25	19.30	19.42	19.17	0.0832	0.0855	0.0807
10	256QAM	1	49	19.29	19.15	19.10	0.0830	0.0804	0.0794
10	256QAM	25	0	19.39	19.41	19.50	0.0849	0.0853	0.0871
10	256QAM	25	12	19.37	19.40	19.32	0.0845	0.0851	0.0836
10	256QAM	25	25	19.25	19.48	19.17	0.0822	0.0867	0.0807



10	256QAM	50	0	19.53	19.55	19.39	0.0877	0.0881	0.0849
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	24.44	24.43	24.40	0.2716	0.2710	0.2692
5	QPSK	1	12	24.28	24.47	24.55	0.2618	0.2735	0.2786
5	QPSK	1	24	24.31	24.30	24.35	0.2636	0.2630	0.2661
5	QPSK	12	0	23.54	23.78	23.66	0.2208	0.2333	0.2270
5	QPSK	12	7	23.44	23.60	23.45	0.2158	0.2239	0.2163
5	QPSK	12	13	23.38	23.55	23.63	0.2128	0.2213	0.2254
5	QPSK	25	0	23.25	23.37	23.16	0.2065	0.2123	0.2023
5	16QAM	1	0	23.13	23.45	23.26	0.2009	0.2163	0.2070
5	16QAM	1	12	23.21	23.12	23.13	0.2046	0.2004	0.2009
5	16QAM	1	24	23.12	23.41	23.23	0.2004	0.2143	0.2056
5	16QAM	12	0	22.36	22.44	22.39	0.1683	0.1714	0.1694
5	16QAM	12	7	22.35	22.29	22.27	0.1679	0.1656	0.1648
5	16QAM	12	13	22.18	22.39	22.37	0.1614	0.1694	0.1687
5	16QAM	25	0	22.38	22.60	22.51	0.1690	0.1778	0.1742
5	64QAM	1	0	22.18	22.33	22.19	0.1614	0.1671	0.1618
5	64QAM	1	12	22.14	22.37	22.29	0.1600	0.1687	0.1656
5	64QAM	1	24	22.22	22.54	22.09	0.1629	0.1754	0.1581
5	64QAM	12	0	21.31	21.47	21.41	0.1321	0.1371	0.1352
5	64QAM	12	7	21.32	21.37	21.37	0.1324	0.1340	0.1340
5	64QAM	12	13	21.30	21.29	21.39	0.1318	0.1315	0.1346
5	64QAM	25	0	21.41	21.53	21.63	0.1352	0.1390	0.1422
5	256QAM	1	0	19.22	19.41	19.19	0.0817	0.0853	0.0811
5	256QAM	1	12	19.33	19.43	19.18	0.0838	0.0857	0.0809
5	256QAM	1	24	19.14	19.22	19.09	0.0802	0.0817	0.0793
5	256QAM	12	0	19.50	19.37	19.43	0.0871	0.0845	0.0857
5	256QAM	12	7	19.38	19.33	19.30	0.0847	0.0838	0.0832
5	256QAM	12	13	19.32	19.52	19.30	0.0836	0.0875	0.0832
5	256QAM	25	0	19.54	19.49	19.49	0.0879	0.0869	0.0869
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	24.44	24.49	24.39	0.2716	0.2748	0.2685
3	QPSK	1	8	24.28	24.48	24.50	0.2618	0.2742	0.2754
3	QPSK	1	14	24.31	24.40	24.35	0.2636	0.2692	0.2661
3	QPSK	8	0	23.47	23.71	23.69	0.2173	0.2296	0.2286
3	QPSK	8	4	23.57	23.58	23.43	0.2223	0.2228	0.2153
3	QPSK	8	7	23.45	23.57	23.53	0.2163	0.2223	0.2203
3	QPSK	15	0	23.34	23.35	23.19	0.2109	0.2113	0.2037
3	16QAM	1	0	23.13	23.31	23.31	0.2009	0.2094	0.2094
3	16QAM	1	8	23.25	23.07	23.20	0.2065	0.1982	0.2042
3	16QAM	1	14	23.14	23.26	23.21	0.2014	0.2070	0.2046
3	16QAM	8	0	22.43	22.45	22.45	0.1710	0.1718	0.1718
3	16QAM	8	4	22.28	22.34	22.32	0.1652	0.1675	0.1667
3	16QAM	8	7	22.29	22.50	22.33	0.1656	0.1738	0.1671
3	16QAM	15	0	22.41	22.64	22.64	0.1702	0.1795	0.1795



3	64QAM	1	0	22.25	22.36	22.21	0.1641	0.1683	0.1626
3	64QAM	1	8	22.12	22.40	22.26	0.1592	0.1698	0.1644
3	64QAM	1	14	22.14	22.52	22.05	0.1600	0.1746	0.1567
3	64QAM	8	0	21.19	21.51	21.43	0.1285	0.1384	0.1358
3	64QAM	8	4	21.28	21.47	21.38	0.1312	0.1371	0.1343
3	64QAM	8	7	21.38	21.29	21.42	0.1343	0.1315	0.1355
3	64QAM	15	0	21.42	21.50	21.54	0.1355	0.1380	0.1393
3	256QAM	1	0	19.24	19.44	19.18	0.0820	0.0859	0.0809
3	256QAM	1	8	19.27	19.29	19.21	0.0826	0.0830	0.0815
3	256QAM	1	14	19.24	19.11	19.17	0.0820	0.0796	0.0807
3	256QAM	8	0	19.38	19.41	19.34	0.0847	0.0853	0.0839
3	256QAM	8	4	19.49	19.33	19.34	0.0869	0.0838	0.0839
3	256QAM	8	7	19.25	19.60	19.18	0.0822	0.0891	0.0809
3	256QAM	15	0	19.52	19.49	19.46	0.0875	0.0869	0.0863
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	24.51	24.47	24.29	0.2761	0.2735	0.2624
1.4	QPSK	1	3	24.33	24.42	24.46	0.2649	0.2704	0.2729
1.4	QPSK	1	5	24.33	24.33	24.29	0.2649	0.2649	0.2624
1.4	QPSK	3	0	24.51	24.43	24.29	0.2761	0.2710	0.2624
1.4	QPSK	3	1	24.36	24.34	24.34	0.2667	0.2655	0.2655
1.4	QPSK	3	3	24.30	24.26	24.35	0.2630	0.2606	0.2661
1.4	QPSK	6	0	23.52	23.64	23.53	0.2198	0.2259	0.2203
1.4	16QAM	1	0	23.39	23.49	23.36	0.2133	0.2183	0.2118
1.4	16QAM	1	3	23.41	23.45	23.51	0.2143	0.2163	0.2193
1.4	16QAM	1	5	23.18	23.25	23.15	0.2032	0.2065	0.2018
1.4	16QAM	3	0	23.15	23.25	23.24	0.2018	0.2065	0.2061
1.4	16QAM	3	1	23.14	23.03	23.03	0.2014	0.1963	0.1963
1.4	16QAM	3	3	23.13	23.21	23.21	0.2009	0.2046	0.2046
1.4	16QAM	6	0	22.27	22.30	22.45	0.1648	0.1660	0.1718
1.4	64QAM	1	0	22.18	22.26	22.28	0.1614	0.1644	0.1652
1.4	64QAM	1	3	22.25	22.38	22.36	0.1641	0.1690	0.1683
1.4	64QAM	1	5	22.37	22.57	22.58	0.1687	0.1766	0.1770
1.4	64QAM	3	0	22.14	22.24	22.14	0.1600	0.1637	0.1600
1.4	64QAM	3	1	22.04	22.22	22.21	0.1563	0.1629	0.1626
1.4	64QAM	3	3	22.18	22.41	22.04	0.1614	0.1702	0.1563
1.4	64QAM	6	0	21.19	21.43	21.21	0.1285	0.1358	0.1291
1.4	256QAM	1	0	19.25	19.41	19.12	0.0822	0.0853	0.0798
1.4	256QAM	1	3	19.25	19.23	19.18	0.0822	0.0818	0.0809
1.4	256QAM	1	5	19.14	19.09	19.13	0.0802	0.0793	0.0800
1.4	256QAM	3	0	19.37	19.30	19.28	0.0845	0.0832	0.0828
1.4	256QAM	3	1	19.39	19.26	19.22	0.0849	0.0824	0.0817
1.4	256QAM	3	3	19.19	19.48	19.23	0.0811	0.0867	0.0818
1.4	256QAM	6	0	19.45	19.52	19.45	0.0861	0.0875	0.0861



LTE Band 5\_Ant.1

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844	L	M	H
10	QPSK	1	0	25.17	25.24	25.12	0.1180	0.1199	0.1167
10	QPSK	1	25	25.05	25.22	25.12	0.1148	0.1194	0.1167
10	QPSK	1	49	25.05	25.11	25.04	0.1148	0.1164	0.1146
10	QPSK	25	0	24.27	24.52	24.37	0.0959	0.1016	0.0982
10	QPSK	25	12	24.23	24.32	24.28	0.0951	0.0971	0.0962
10	QPSK	25	25	24.15	24.33	24.25	0.0933	0.0973	0.0955
10	QPSK	50	0	24.07	24.12	24.03	0.0916	0.0927	0.0908
10	16QAM	1	0	23.97	24.09	23.94	0.0895	0.0920	0.0889
10	16QAM	1	25	23.88	23.84	23.97	0.0877	0.0869	0.0895
10	16QAM	1	49	23.88	24.02	23.94	0.0877	0.0906	0.0889
10	16QAM	25	0	23.11	23.10	23.18	0.0735	0.0733	0.0746
10	16QAM	25	12	22.97	23.04	23.09	0.0711	0.0723	0.0731
10	16QAM	25	25	23.00	23.10	23.05	0.0716	0.0733	0.0724
10	16QAM	50	0	23.19	23.44	23.23	0.0748	0.0793	0.0755
10	64QAM	1	0	22.98	23.16	23.03	0.0713	0.0743	0.0721
10	64QAM	1	25	22.84	23.08	22.94	0.0690	0.0729	0.0706
10	64QAM	1	49	22.89	23.26	22.78	0.0698	0.0760	0.0681
10	64QAM	25	0	22.03	22.19	22.31	0.0573	0.0594	0.0611
10	64QAM	25	12	21.99	22.19	22.09	0.0568	0.0594	0.0581
10	64QAM	25	25	22.05	22.12	22.05	0.0575	0.0585	0.0575
10	64QAM	50	0	22.20	22.35	22.22	0.0596	0.0617	0.0598
10	256QAM	1	0	20.02	20.18	19.90	0.0361	0.0374	0.0351
10	256QAM	1	25	19.96	20.06	19.94	0.0356	0.0364	0.0354
10	256QAM	1	49	20.00	20.01	19.88	0.0359	0.0360	0.0349
10	256QAM	25	0	20.15	20.17	20.10	0.0372	0.0373	0.0367
10	256QAM	25	12	20.15	20.08	19.99	0.0372	0.0366	0.0358
10	256QAM	25	25	20.11	20.16	20.06	0.0368	0.0372	0.0364
10	256QAM	50	0	20.16	20.28	20.06	0.0372	0.0383	0.0364
Channel				20425	20525	20625	ERP(W)		
Frequency (MHz)				826.5	836.5	846.5	L	M	H
5	QPSK	1	0	25.12	25.15	25.08	0.1167	0.1175	0.1156
5	QPSK	1	12	24.97	25.15	24.98	0.1127	0.1175	0.1130
5	QPSK	1	24	25.01	24.94	24.87	0.1138	0.1119	0.1102
5	QPSK	12	0	24.12	24.48	24.33	0.0927	0.1007	0.0973
5	QPSK	12	7	24.14	24.21	24.20	0.0931	0.0946	0.0944
5	QPSK	12	13	24.10	24.19	24.20	0.0923	0.0942	0.0944
5	QPSK	25	0	23.99	24.01	23.86	0.0899	0.0904	0.0873
5	16QAM	1	0	23.80	24.06	23.77	0.0861	0.0914	0.0855
5	16QAM	1	12	23.81	23.82	23.79	0.0863	0.0865	0.0859
5	16QAM	1	24	23.74	23.97	23.91	0.0849	0.0895	0.0883



5	16QAM	12	0	23.00	23.04	23.14	0.0716	0.0723	0.0740
5	16QAM	12	7	22.82	22.92	22.95	0.0687	0.0703	0.0708
5	16QAM	12	13	22.92	23.04	22.95	0.0703	0.0723	0.0708
5	16QAM	25	0	23.07	23.33	23.18	0.0728	0.0773	0.0746
5	64QAM	1	0	22.87	23.05	22.92	0.0695	0.0724	0.0703
5	64QAM	1	12	22.67	22.91	22.79	0.0664	0.0701	0.0682
5	64QAM	1	24	22.78	23.11	22.66	0.0681	0.0735	0.0662
5	64QAM	12	0	21.95	22.12	22.24	0.0562	0.0585	0.0601
5	64QAM	12	7	21.83	22.07	22.05	0.0547	0.0578	0.0575
5	64QAM	12	13	21.92	22.07	21.94	0.0558	0.0578	0.0561
5	64QAM	25	0	22.16	22.28	22.18	0.0590	0.0607	0.0593
5	256QAM	1	0	19.94	20.15	19.73	0.0354	0.0372	0.0337
5	256QAM	1	12	19.86	20.01	19.86	0.0348	0.0360	0.0348
5	256QAM	1	24	19.96	19.93	19.81	0.0356	0.0353	0.0344
5	256QAM	12	0	20.00	20.11	20.06	0.0359	0.0368	0.0364
5	256QAM	12	7	20.03	20.06	19.86	0.0361	0.0364	0.0348
5	256QAM	12	13	19.95	20.13	19.98	0.0355	0.0370	0.0357
5	256QAM	25	0	20.03	20.19	19.92	0.0361	0.0375	0.0352
Channel				20415	20525	20635	ERP(W)		
Frequency (MHz)				825.5	836.5	847.5	L	M	H
3	QPSK	1	0	25.12	25.12	25.00	0.1167	0.1167	0.1135
3	QPSK	1	8	24.89	25.08	25.06	0.1107	0.1156	0.1151
3	QPSK	1	14	24.95	24.95	25.02	0.1122	0.1122	0.1140
3	QPSK	8	0	24.11	24.43	24.29	0.0925	0.0995	0.0964
3	QPSK	8	4	24.15	24.28	24.14	0.0933	0.0962	0.0931
3	QPSK	8	7	24.12	24.16	24.12	0.0927	0.0935	0.0927
3	QPSK	15	0	23.97	24.01	23.89	0.0895	0.0904	0.0879
3	16QAM	1	0	23.90	23.97	23.91	0.0881	0.0895	0.0883
3	16QAM	1	8	23.75	23.69	23.79	0.0851	0.0839	0.0859
3	16QAM	1	14	23.82	23.87	23.78	0.0865	0.0875	0.0857
3	16QAM	8	0	22.99	23.01	23.16	0.0714	0.0718	0.0743
3	16QAM	8	4	22.86	22.93	22.95	0.0693	0.0705	0.0708
3	16QAM	8	7	22.97	23.05	22.99	0.0711	0.0724	0.0714
3	16QAM	15	0	23.04	23.38	23.10	0.0723	0.0782	0.0733
3	64QAM	1	0	22.82	23.06	22.94	0.0687	0.0726	0.0706
3	64QAM	1	8	22.89	22.93	22.83	0.0698	0.0705	0.0689
3	64QAM	1	14	22.89	23.18	22.78	0.0698	0.0746	0.0681
3	64QAM	8	0	21.98	22.06	22.13	0.0566	0.0577	0.0586
3	64QAM	8	4	21.96	22.10	21.94	0.0564	0.0582	0.0561
3	64QAM	8	7	21.93	22.04	21.90	0.0560	0.0574	0.0556
3	64QAM	15	0	22.03	22.26	22.18	0.0573	0.0604	0.0593
3	256QAM	1	0	19.96	20.03	19.76	0.0356	0.0361	0.0340
3	256QAM	1	8	19.79	19.97	19.81	0.0342	0.0356	0.0344
3	256QAM	1	14	19.83	19.90	19.85	0.0345	0.0351	0.0347
3	256QAM	8	0	20.08	20.12	20.01	0.0366	0.0369	0.0360
3	256QAM	8	4	20.09	20.05	19.84	0.0366	0.0363	0.0346
3	256QAM	8	7	20.02	20.12	20.03	0.0361	0.0369	0.0361



3	256QAM	15	0	20.04	20.18	19.88	0.0362	0.0374	0.0349
Channel				20407	20525	20643	ERP(W)		
Frequency (MHz)				824.7	836.5	848.3	L	M	H
1.4	QPSK	1	0	25.13	25.09	24.98	0.1169	0.1159	0.1130
1.4	QPSK	1	3	24.93	25.12	24.96	0.1117	0.1167	0.1125
1.4	QPSK	1	5	24.88	25.02	25.00	0.1104	0.1140	0.1135
1.4	QPSK	3	0	25.01	25.16	24.98	0.1138	0.1178	0.1130
1.4	QPSK	3	1	24.95	25.13	25.04	0.1122	0.1169	0.1146
1.4	QPSK	3	3	24.95	25.01	24.96	0.1122	0.1138	0.1125
1.4	QPSK	6	0	24.22	24.40	24.23	0.0948	0.0989	0.0951
1.4	16QAM	1	0	24.17	24.26	24.12	0.0938	0.0957	0.0927
1.4	16QAM	1	3	24.02	24.23	24.14	0.0906	0.0951	0.0931
1.4	16QAM	1	5	24.01	24.08	23.93	0.0904	0.0918	0.0887
1.4	16QAM	3	0	23.88	24.03	23.80	0.0877	0.0908	0.0861
1.4	16QAM	3	1	23.82	23.80	23.91	0.0865	0.0861	0.0883
1.4	16QAM	3	3	23.82	23.91	23.89	0.0865	0.0883	0.0879
1.4	16QAM	6	0	22.99	23.08	23.14	0.0714	0.0729	0.0740
1.4	64QAM	1	0	22.87	22.96	23.01	0.0695	0.0710	0.0718
1.4	64QAM	1	3	22.95	23.00	22.89	0.0708	0.0716	0.0698
1.4	64QAM	1	5	23.05	23.27	23.07	0.0724	0.0762	0.0728
1.4	64QAM	3	0	22.89	23.09	22.86	0.0698	0.0731	0.0693
1.4	64QAM	3	1	22.74	22.95	22.86	0.0675	0.0708	0.0693
1.4	64QAM	3	3	22.82	23.16	22.68	0.0687	0.0743	0.0665
1.4	64QAM	6	0	21.98	22.13	22.17	0.0566	0.0586	0.0592
1.4	256QAM	1	0	19.99	20.16	19.86	0.0358	0.0372	0.0348
1.4	256QAM	1	3	19.92	19.91	19.86	0.0352	0.0352	0.0348
1.4	256QAM	1	5	19.93	19.88	19.83	0.0353	0.0349	0.0345
1.4	256QAM	3	0	20.12	20.03	20.04	0.0369	0.0361	0.0362
1.4	256QAM	3	1	20.09	19.93	19.85	0.0366	0.0353	0.0347
1.4	256QAM	3	3	20.06	20.04	19.96	0.0364	0.0362	0.0356
1.4	256QAM	6	0	20.09	20.24	19.97	0.0366	0.0379	0.0356



LTE Band 25\_Ant.3

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				26140	26340	26590			
Frequency (MHz)				1860	1880	1905	L	M	H
20	QPSK	1	0	24.32	24.39	24.10	0.2704	0.2748	0.2570
20	QPSK	1	49	24.16	24.26	24.23	0.2606	0.2667	0.2649
20	QPSK	1	99	24.14	24.18	24.12	0.2594	0.2618	0.2582
20	QPSK	50	0	23.43	23.55	23.36	0.2203	0.2265	0.2168
20	QPSK	50	24	23.26	23.38	23.33	0.2118	0.2178	0.2153
20	QPSK	50	50	23.21	23.44	23.36	0.2094	0.2208	0.2168
20	QPSK	100	0	23.06	23.16	23.07	0.2023	0.2070	0.2028
20	16QAM	1	0	23.07	23.11	23.07	0.2028	0.2046	0.2028
20	16QAM	1	49	22.91	22.99	22.94	0.1954	0.1991	0.1968
20	16QAM	1	99	22.94	23.15	22.98	0.1968	0.2065	0.1986
20	16QAM	50	0	22.19	22.12	22.21	0.1656	0.1629	0.1663
20	16QAM	50	24	22.03	22.08	22.08	0.1596	0.1614	0.1614
20	16QAM	50	50	22.05	22.25	22.15	0.1603	0.1679	0.1641
20	16QAM	100	0	22.23	22.53	22.31	0.1671	0.1791	0.1702
20	64QAM	1	0	22.03	22.12	22.09	0.1596	0.1629	0.1618
20	64QAM	1	49	21.98	22.14	21.95	0.1578	0.1637	0.1567
20	64QAM	1	99	21.97	22.28	21.91	0.1574	0.1690	0.1552
20	64QAM	50	0	21.12	21.27	21.29	0.1294	0.1340	0.1346
20	64QAM	50	24	21.05	21.18	21.08	0.1274	0.1312	0.1282
20	64QAM	50	50	21.06	21.19	21.19	0.1276	0.1315	0.1315
20	64QAM	100	0	21.18	21.35	21.37	0.1312	0.1365	0.1371
20	256QAM	1	0	19.08	19.28	19.04	0.0809	0.0847	0.0802
20	256QAM	1	49	19.01	19.12	19.03	0.0796	0.0817	0.0800
20	256QAM	1	99	18.95	19.00	19.00	0.0785	0.0794	0.0794
20	256QAM	50	0	19.17	19.25	19.18	0.0826	0.0841	0.0828
20	256QAM	50	24	19.13	19.12	19.06	0.0818	0.0817	0.0805
20	256QAM	50	50	19.21	19.25	19.12	0.0834	0.0841	0.0817
20	256QAM	100	0	19.25	19.23	19.16	0.0841	0.0838	0.0824
Channel				26115	26340	26615	EIRP(W)		
Frequency (MHz)				1857.5	1880	1907.5	L	M	H
15	QPSK	1	0	23.97	24.04	23.72	0.2495	0.2535	0.2355
15	QPSK	1	37	23.86	23.98	23.92	0.2432	0.2500	0.2466
15	QPSK	1	74	23.79	23.87	23.71	0.2393	0.2438	0.2350
15	QPSK	36	0	23.14	23.19	23.01	0.2061	0.2084	0.2000
15	QPSK	36	20	22.90	23.01	22.98	0.1950	0.2000	0.1986
15	QPSK	36	39	22.86	23.12	23.07	0.1932	0.2051	0.2028
15	QPSK	75	0	22.70	22.86	22.72	0.1862	0.1932	0.1871
15	16QAM	1	0	22.76	22.71	22.71	0.1888	0.1866	0.1866
15	16QAM	1	37	22.71	22.81	22.76	0.1866	0.1910	0.1888
15	16QAM	1	74	22.73	22.86	22.75	0.1875	0.1932	0.1884



15	16QAM	36	0	21.89	21.78	21.89	0.1545	0.1507	0.1545
15	16QAM	36	20	21.73	21.80	21.73	0.1489	0.1514	0.1489
15	16QAM	36	39	21.72	21.86	21.73	0.1486	0.1535	0.1489
15	16QAM	75	0	21.87	22.14	21.97	0.1538	0.1637	0.1574
15	64QAM	1	0	21.71	21.72	21.80	0.1483	0.1486	0.1514
15	64QAM	1	37	21.75	21.82	21.76	0.1496	0.1521	0.1500
15	64QAM	1	74	21.76	21.89	21.73	0.1500	0.1545	0.1489
15	64QAM	36	0	20.74	20.93	20.89	0.1186	0.1239	0.1227
15	64QAM	36	20	20.77	20.86	20.79	0.1194	0.1219	0.1199
15	64QAM	36	39	20.76	20.90	20.84	0.1191	0.1230	0.1213
15	64QAM	75	0	20.88	20.98	21.01	0.1225	0.1253	0.1262
15	256QAM	1	0	18.71	18.95	18.73	0.0743	0.0785	0.0746
15	256QAM	1	37	18.70	18.71	18.71	0.0741	0.0743	0.0743
15	256QAM	1	74	18.79	18.76	18.77	0.0757	0.0752	0.0753
15	256QAM	36	0	18.87	18.89	18.74	0.0771	0.0774	0.0748
15	256QAM	36	20	18.73	18.73	18.71	0.0746	0.0746	0.0743
15	256QAM	36	39	18.83	18.93	18.73	0.0764	0.0782	0.0746
15	256QAM	75	0	18.97	18.84	18.74	0.0789	0.0766	0.0748
Channel				26090	26340	26640	EIRP(W)		
Frequency (MHz)				1855	1880	1910	L	M	H
10	QPSK	1	0	23.93	24.02	23.72	0.2472	0.2523	0.2355
10	QPSK	1	25	23.87	23.85	23.84	0.2438	0.2427	0.2421
10	QPSK	1	49	23.73	23.87	23.76	0.2360	0.2438	0.2377
10	QPSK	25	0	23.12	23.24	23.02	0.2051	0.2109	0.2004
10	QPSK	25	12	22.89	22.99	23.04	0.1945	0.1991	0.2014
10	QPSK	25	25	22.88	23.10	23.03	0.1941	0.2042	0.2009
10	QPSK	50	0	22.71	22.82	22.71	0.1866	0.1914	0.1866
10	16QAM	1	0	22.76	22.81	22.72	0.1888	0.1910	0.1871
10	16QAM	1	25	22.76	22.82	22.73	0.1888	0.1914	0.1875
10	16QAM	1	49	22.73	22.84	22.77	0.1875	0.1923	0.1892
10	16QAM	25	0	21.81	21.73	21.89	0.1517	0.1489	0.1545
10	16QAM	25	12	21.73	21.76	21.79	0.1489	0.1500	0.1510
10	16QAM	25	25	21.79	21.86	21.71	0.1510	0.1535	0.1483
10	16QAM	50	0	21.86	22.20	21.91	0.1535	0.1660	0.1552
10	64QAM	1	0	21.72	21.86	21.72	0.1486	0.1535	0.1486
10	64QAM	1	25	21.79	21.78	21.71	0.1510	0.1507	0.1483
10	64QAM	1	49	21.75	21.97	21.73	0.1496	0.1574	0.1489
10	64QAM	25	0	20.81	20.84	20.92	0.1205	0.1213	0.1236
10	64QAM	25	12	20.76	20.82	20.71	0.1191	0.1208	0.1178
10	64QAM	25	25	20.76	20.76	20.81	0.1191	0.1191	0.1205
10	64QAM	50	0	20.81	21.05	20.94	0.1205	0.1274	0.1242
10	256QAM	1	0	18.72	18.99	18.72	0.0745	0.0793	0.0745
10	256QAM	1	25	18.73	18.72	18.71	0.0746	0.0745	0.0743
10	256QAM	1	49	18.72	18.86	18.76	0.0745	0.0769	0.0752
10	256QAM	25	0	18.88	18.96	18.80	0.0773	0.0787	0.0759
10	256QAM	25	12	18.74	18.86	18.78	0.0748	0.0769	0.0755
10	256QAM	25	25	18.80	18.82	18.76	0.0759	0.0762	0.0752



10	256QAM	50	0	18.82	18.85	18.78	0.0762	0.0767	0.0755
Channel				26065	26340	26665	EIRP(W)		
Frequency (MHz)				1852.5	1880	1912.5	L	M	H
5	QPSK	1	0	24.00	23.90	23.78	0.2512	0.2455	0.2388
5	QPSK	1	12	23.83	23.86	23.86	0.2415	0.2432	0.2432
5	QPSK	1	24	23.85	23.86	23.78	0.2427	0.2432	0.2388
5	QPSK	12	0	23.14	23.20	23.05	0.2061	0.2089	0.2018
5	QPSK	12	7	22.95	22.97	23.01	0.1972	0.1982	0.2000
5	QPSK	12	13	22.77	23.10	23.06	0.1892	0.2042	0.2023
5	QPSK	25	0	22.70	22.80	22.74	0.1862	0.1905	0.1879
5	16QAM	1	0	22.71	22.89	22.74	0.1866	0.1945	0.1879
5	16QAM	1	12	22.73	22.82	22.73	0.1875	0.1914	0.1875
5	16QAM	1	24	22.77	22.77	22.74	0.1892	0.1892	0.1879
5	16QAM	12	0	21.85	21.76	21.92	0.1531	0.1500	0.1556
5	16QAM	12	7	21.75	21.76	21.70	0.1496	0.1500	0.1479
5	16QAM	12	13	21.76	21.85	21.78	0.1500	0.1531	0.1507
5	16QAM	25	0	21.80	22.21	21.88	0.1514	0.1663	0.1542
5	64QAM	1	0	21.75	21.73	21.78	0.1496	0.1489	0.1507
5	64QAM	1	12	21.76	21.74	21.72	0.1500	0.1493	0.1486
5	64QAM	1	24	21.74	21.85	21.74	0.1493	0.1531	0.1493
5	64QAM	12	0	20.81	20.92	20.94	0.1205	0.1236	0.1242
5	64QAM	12	7	20.73	20.85	20.75	0.1183	0.1216	0.1189
5	64QAM	12	13	20.77	20.83	20.81	0.1194	0.1211	0.1205
5	64QAM	25	0	20.83	21.03	20.99	0.1211	0.1268	0.1256
5	256QAM	1	0	18.79	18.97	18.72	0.0757	0.0789	0.0745
5	256QAM	1	12	18.72	18.75	18.78	0.0745	0.0750	0.0755
5	256QAM	1	24	18.75	18.77	18.72	0.0750	0.0753	0.0745
5	256QAM	12	0	18.81	18.96	18.88	0.0760	0.0787	0.0773
5	256QAM	12	7	18.85	18.77	18.74	0.0767	0.0753	0.0748
5	256QAM	12	13	18.85	18.87	18.79	0.0767	0.0771	0.0757
5	256QAM	25	0	18.95	18.83	18.83	0.0785	0.0764	0.0764
Channel				26055	26340	26675	EIRP(W)		
Frequency (MHz)				1851.5	1880	1913.5	L	M	H
3	QPSK	1	0	23.98	23.91	23.78	0.2500	0.2460	0.2388
3	QPSK	1	8	23.85	23.92	23.88	0.2427	0.2466	0.2443
3	QPSK	1	14	23.86	23.76	23.76	0.2432	0.2377	0.2377
3	QPSK	8	0	23.14	23.21	22.96	0.2061	0.2094	0.1977
3	QPSK	8	4	22.91	23.02	22.99	0.1954	0.2004	0.1991
3	QPSK	8	7	22.83	23.14	23.06	0.1919	0.2061	0.2023
3	QPSK	15	0	22.72	22.85	22.77	0.1871	0.1928	0.1892
3	16QAM	1	0	22.73	22.80	22.73	0.1875	0.1905	0.1875
3	16QAM	1	8	22.74	22.76	22.71	0.1879	0.1888	0.1866
3	16QAM	1	14	22.76	22.85	22.72	0.1888	0.1928	0.1871
3	16QAM	8	0	21.89	21.76	21.86	0.1545	0.1500	0.1535
3	16QAM	8	4	21.71	21.79	21.74	0.1483	0.1510	0.1493
3	16QAM	8	7	21.75	21.92	21.73	0.1496	0.1556	0.1489
3	16QAM	15	0	21.87	22.18	21.93	0.1538	0.1652	0.1560



3	64QAM	1	0	21.73	21.81	21.72	0.1489	0.1517	0.1486
3	64QAM	1	8	21.74	21.86	21.74	0.1493	0.1535	0.1493
3	64QAM	1	14	21.73	21.97	21.72	0.1489	0.1574	0.1486
3	64QAM	8	0	20.77	20.91	20.88	0.1194	0.1233	0.1225
3	64QAM	8	4	20.75	20.89	20.75	0.1189	0.1227	0.1189
3	64QAM	8	7	20.75	20.77	20.79	0.1189	0.1194	0.1199
3	64QAM	15	0	20.84	21.04	21.03	0.1213	0.1271	0.1268
3	256QAM	1	0	18.79	18.89	18.74	0.0757	0.0774	0.0748
3	256QAM	1	8	18.70	18.74	18.77	0.0741	0.0748	0.0753
3	256QAM	1	14	18.76	18.88	18.75	0.0752	0.0773	0.0750
3	256QAM	8	0	18.81	18.93	18.87	0.0760	0.0782	0.0771
3	256QAM	8	4	18.74	18.70	18.73	0.0748	0.0741	0.0746
3	256QAM	8	7	18.79	18.83	18.76	0.0757	0.0764	0.0752
3	256QAM	15	0	18.96	18.84	18.77	0.0787	0.0766	0.0753
Channel				26047	26340	26683	EIRP(W)		
Frequency (MHz)				1850.7	1880	1914.3	L	M	H
1.4	QPSK	1	0	23.92	23.96	23.76	0.2466	0.2489	0.2377
1.4	QPSK	1	3	23.76	23.88	23.91	0.2377	0.2443	0.2460
1.4	QPSK	1	5	23.73	23.76	23.82	0.2360	0.2377	0.2410
1.4	QPSK	3	0	23.99	23.89	23.74	0.2506	0.2449	0.2366
1.4	QPSK	3	1	23.73	23.97	23.87	0.2360	0.2495	0.2438
1.4	QPSK	3	3	23.78	23.86	23.70	0.2388	0.2432	0.2344
1.4	QPSK	6	0	23.07	23.20	22.99	0.2028	0.2089	0.1991
1.4	16QAM	1	0	22.86	22.96	23.05	0.1932	0.1977	0.2018
1.4	16QAM	1	3	22.77	23.02	23.00	0.1892	0.2004	0.1995
1.4	16QAM	1	5	22.77	22.83	22.77	0.1892	0.1919	0.1892
1.4	16QAM	3	0	22.78	22.80	22.76	0.1897	0.1905	0.1888
1.4	16QAM	3	1	22.77	22.86	22.72	0.1892	0.1932	0.1871
1.4	16QAM	3	3	22.73	22.86	22.75	0.1875	0.1932	0.1884
1.4	16QAM	6	0	21.86	21.81	21.86	0.1535	0.1517	0.1535
1.4	64QAM	1	0	21.75	21.80	21.73	0.1496	0.1514	0.1489
1.4	64QAM	1	3	21.77	21.86	21.73	0.1503	0.1535	0.1489
1.4	64QAM	1	5	21.80	22.10	22.02	0.1514	0.1622	0.1592
1.4	64QAM	3	0	21.72	21.79	21.77	0.1486	0.1510	0.1503
1.4	64QAM	3	1	21.73	21.86	21.76	0.1489	0.1535	0.1500
1.4	64QAM	3	3	21.74	21.89	21.74	0.1493	0.1545	0.1493
1.4	64QAM	6	0	20.83	20.86	20.95	0.1211	0.1219	0.1245
1.4	256QAM	1	0	18.74	18.93	18.72	0.0748	0.0782	0.0745
1.4	256QAM	1	3	18.75	18.76	18.73	0.0750	0.0752	0.0746
1.4	256QAM	1	5	18.73	18.85	18.71	0.0746	0.0767	0.0743
1.4	256QAM	3	0	18.73	18.90	18.75	0.0746	0.0776	0.0750
1.4	256QAM	3	1	18.80	18.78	18.74	0.0759	0.0755	0.0748
1.4	256QAM	3	3	18.80	18.85	18.72	0.0759	0.0767	0.0745
1.4	256QAM	6	0	18.84	18.91	18.76	0.0766	0.0778	0.0752



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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)			
Channel				26790	26865	26915	26965				
Frequency (MHz)				824	831.5	836.5	841.5	Straddle Ch	L	M	H
15	QPSK	1	0	25.14	25.11	25.36	24.98	0.1172	0.1164	0.1233	0.1130
15	QPSK	1	37	24.95	24.98	25.32	24.99	0.1122	0.1130	0.1222	0.1132
15	QPSK	1	74	25.06	25.03	25.25	24.93	0.1151	0.1143	0.1202	0.1117
15	QPSK	36	0	24.13	24.16	24.62	24.23	0.0929	0.0935	0.1040	0.0951
15	QPSK	36	20	24.04	24.13	24.45	24.12	0.0910	0.0929	0.1000	0.0927
15	QPSK	36	39	24.02	24.05	24.41	24.12	0.0906	0.0912	0.0991	0.0927
15	QPSK	75	0	23.95	23.92	24.22	23.80	0.0891	0.0885	0.0948	0.0861
15	16QAM	1	0	23.87	23.83	24.17	23.81	0.0875	0.0867	0.0938	0.0863
15	16QAM	1	37	23.71	23.80	24.01	23.79	0.0843	0.0861	0.0904	0.0859
15	16QAM	1	74	23.82	23.71	24.17	23.84	0.0865	0.0843	0.0938	0.0869
15	16QAM	36	0	22.88	22.93	23.25	23.06	0.0697	0.0705	0.0759	0.0726
15	16QAM	36	20	22.82	22.83	23.06	23.00	0.0687	0.0689	0.0726	0.0716
15	16QAM	36	39	22.71	22.95	23.32	22.94	0.0670	0.0708	0.0771	0.0706
15	16QAM	75	0	22.66	23.02	23.57	23.13	0.0662	0.0719	0.0817	0.0738
15	64QAM	1	0	22.79	22.84	23.27	22.85	0.0682	0.0690	0.0762	0.0692
15	64QAM	1	37	22.68	22.74	23.20	22.79	0.0665	0.0675	0.0750	0.0682
15	64QAM	1	74	22.80	22.75	23.35	22.72	0.0684	0.0676	0.0776	0.0671
15	64QAM	36	0	21.82	21.89	22.30	22.10	0.0546	0.0555	0.0610	0.0582
15	64QAM	36	20	21.75	21.89	22.29	21.90	0.0537	0.0555	0.0608	0.0556
15	64QAM	36	39	21.77	21.93	22.22	21.93	0.0540	0.0560	0.0598	0.0560
15	64QAM	75	0	21.72	22.08	22.39	22.20	0.0533	0.0579	0.0622	0.0596
15	256QAM	1	0	19.91	19.92	20.28	19.78	0.0352	0.0352	0.0383	0.0341
15	256QAM	1	37	19.74	19.86	20.15	19.92	0.0338	0.0348	0.0372	0.0352
15	256QAM	1	74	19.80	19.79	20.08	19.81	0.0343	0.0342	0.0366	0.0344
15	256QAM	36	0	18.82	19.99	20.25	19.95	0.0274	0.0358	0.0380	0.0355
15	256QAM	36	20	18.75	19.99	20.22	19.88	0.0269	0.0358	0.0378	0.0349
15	256QAM	36	39	18.71	19.93	20.38	19.90	0.0267	0.0353	0.0392	0.0351
15	256QAM	75	0	18.69	20.09	20.37	20.00	0.0265	0.0366	0.0391	0.0359
Channel					26840	26915	26990	ERP(W)			
Frequency (MHz)					829	836.5	844		L	M	H
10	QPSK	1	0	/	25.06	25.11	24.87	/	0.1151	0.1164	0.1102
10	QPSK	1	25		24.91	25.04	24.92		0.1112	0.1146	0.1114
10	QPSK	1	49		24.87	24.97	24.90		0.1102	0.1127	0.1109
10	QPSK	25	0		24.13	24.29	24.08		0.0929	0.0964	0.0918
10	QPSK	25	12		23.98	24.20	23.97		0.0897	0.0944	0.0895
10	QPSK	25	25		23.95	24.05	24.04		0.0891	0.0912	0.0910
10	QPSK	50	0		23.87	23.88	23.64		0.0875	0.0877	0.0830
10	16QAM	1	0		23.68	23.79	23.67		0.0838	0.0859	0.0836
10	16QAM	1	25		23.65	23.63	23.76		0.0832	0.0828	0.0853
10	16QAM	1	49		23.61	23.89	23.76		0.0824	0.0879	0.0853
10	16QAM	25	0		22.88	23.00	22.92		0.0697	0.0716	0.0703
10	16QAM	25	12		22.72	22.67	22.95		0.0671	0.0664	0.0708
10	16QAM	25	25		22.78	23.01	22.85		0.0681	0.0718	0.0692



10	16QAM	50	0		22.95	23.19	22.98		0.0708	0.0748	0.0713
10	64QAM	1	0		22.72	22.94	22.76		0.0671	0.0706	0.0678
10	64QAM	1	25		22.59	22.85	22.66		0.0652	0.0692	0.0662
10	64QAM	1	49		22.70	23.07	22.60		0.0668	0.0728	0.0653
10	64QAM	25	0		21.81	21.91	21.99		0.0545	0.0557	0.0568
10	64QAM	25	12		21.83	21.89	21.83		0.0547	0.0555	0.0547
10	64QAM	25	25		21.82	21.97	21.78		0.0546	0.0565	0.0541
10	64QAM	50	0		21.99	22.01	22.08		0.0568	0.0570	0.0579
10	256QAM	1	0		19.86	19.99	19.65		0.0348	0.0358	0.0331
10	256QAM	1	25		19.81	19.80	19.90		0.0344	0.0343	0.0351
10	256QAM	1	49		19.62	19.82	19.64		0.0329	0.0344	0.0330
10	256QAM	25	0		19.85	19.85	19.82		0.0347	0.0347	0.0344
10	256QAM	25	12		19.97	19.85	19.80		0.0356	0.0347	0.0343
10	256QAM	25	25		19.79	20.00	19.85		0.0342	0.0359	0.0347
10	256QAM	50	0		20.03	20.11	19.86		0.0361	0.0368	0.0348
Channel					26815	26915	27015	ERP(W)			
Frequency (MHz)					826.5	836.5	846.5	L	M	H	
5	QPSK	1	0		24.96	24.97	24.90	0.1125	0.1127	0.1109	
5	QPSK	1	12		24.89	24.92	24.86	0.1107	0.1114	0.1099	
5	QPSK	1	24		24.93	24.99	24.90	0.1117	0.1132	0.1109	
5	QPSK	12	0		24.00	24.34	24.13	0.0902	0.0975	0.0929	
5	QPSK	12	7		23.99	24.12	23.95	0.0899	0.0927	0.0891	
5	QPSK	12	13		24.02	24.10	24.06	0.0906	0.0923	0.0914	
5	QPSK	25	0		23.81	23.92	23.63	0.0863	0.0885	0.0828	
5	16QAM	1	0		23.78	23.92	23.78	0.0857	0.0885	0.0857	
5	16QAM	1	12		23.71	23.62	23.62	0.0843	0.0826	0.0826	
5	16QAM	1	24		23.62	23.89	23.69	0.0826	0.0879	0.0839	
5	16QAM	12	0		22.77	22.96	23.00	0.0679	0.0710	0.0716	
5	16QAM	12	7		22.70	22.68	22.98	0.0668	0.0665	0.0713	
5	16QAM	12	13		22.81	23.01	22.91	0.0685	0.0718	0.0701	
5	16QAM	25	0		22.99	23.18	23.00	0.0714	0.0746	0.0716	
5	64QAM	1	0		22.73	23.03	22.81	0.0673	0.0721	0.0685	
5	64QAM	1	12		22.56	22.81	22.66	0.0647	0.0685	0.0662	
5	64QAM	1	24		22.58	23.04	22.67	0.0650	0.0723	0.0664	
5	64QAM	12	0		21.71	22.03	22.05	0.0532	0.0573	0.0575	
5	64QAM	12	7		21.77	21.94	21.85	0.0540	0.0561	0.0550	
5	64QAM	12	13		21.80	21.83	21.80	0.0543	0.0547	0.0543	
5	64QAM	25	0		21.96	22.03	22.05	0.0564	0.0573	0.0575	
5	256QAM	1	0		19.83	19.97	19.74	0.0345	0.0356	0.0338	
5	256QAM	1	12		19.76	19.86	19.85	0.0340	0.0348	0.0347	
5	256QAM	1	24		19.67	19.78	19.66	0.0333	0.0341	0.0332	
5	256QAM	12	0		19.89	19.94	19.78	0.0350	0.0354	0.0341	
5	256QAM	12	7		19.89	19.91	19.82	0.0350	0.0352	0.0344	
5	256QAM	12	13		19.79	20.02	19.86	0.0342	0.0361	0.0348	
5	256QAM	25	0		19.96	20.09	19.94	0.0356	0.0366	0.0354	
Channel					26815	26915	27025	ERP(W)			
Frequency (MHz)					825.5	836.5	847.5	L	M	H	
3	QPSK	1	0		25.08	25.00	24.87	0.1156	0.1135	0.1102	
3	QPSK	1	8		24.83	25.07	24.88	0.1091	0.1153	0.1104	
3	QPSK	1	14		24.91	25.01	24.86	0.1112	0.1138	0.1099	



3	QPSK	8	0	24.01	24.31	24.12	0.0904	0.0968	0.0927
3	QPSK	8	4	24.02	24.05	23.99	0.0906	0.0912	0.0899
3	QPSK	8	7	23.90	24.13	23.99	0.0881	0.0929	0.0899
3	QPSK	15	0	23.87	23.92	23.64	0.0875	0.0885	0.0830
3	16QAM	1	0	23.75	23.93	23.72	0.0851	0.0887	0.0845
3	16QAM	1	8	23.63	23.68	23.66	0.0828	0.0838	0.0834
3	16QAM	1	14	23.64	23.81	23.82	0.0830	0.0863	0.0865
3	16QAM	8	0	22.86	22.99	22.96	0.0693	0.0714	0.0710
3	16QAM	8	4	22.81	22.79	22.94	0.0685	0.0682	0.0706
3	16QAM	8	7	22.87	23.00	22.83	0.0695	0.0716	0.0689
3	16QAM	15	0	22.99	23.20	22.96	0.0714	0.0750	0.0710
3	64QAM	1	0	22.70	22.99	22.82	0.0668	0.0714	0.0687
3	64QAM	1	8	22.67	22.80	22.76	0.0664	0.0684	0.0678
3	64QAM	1	14	22.57	23.03	22.67	0.0649	0.0721	0.0664
3	64QAM	8	0	21.75	21.94	22.05	0.0537	0.0561	0.0575
3	64QAM	8	4	21.75	22.03	21.79	0.0537	0.0573	0.0542
3	64QAM	8	7	21.83	21.98	21.79	0.0547	0.0566	0.0542
3	64QAM	15	0	21.94	22.00	22.04	0.0561	0.0569	0.0574
3	256QAM	1	0	19.86	19.97	19.63	0.0348	0.0356	0.0330
3	256QAM	1	8	19.68	19.88	19.86	0.0333	0.0349	0.0348
3	256QAM	1	14	19.61	19.75	19.73	0.0328	0.0339	0.0337
3	256QAM	8	0	19.87	20.01	19.91	0.0348	0.0360	0.0352
3	256QAM	8	4	19.91	19.98	19.85	0.0352	0.0357	0.0347
3	256QAM	8	7	19.90	20.06	19.74	0.0351	0.0364	0.0338
3	256QAM	15	0	19.95	20.10	19.91	0.0355	0.0367	0.0352
Channel				26797	26915	27033	ERP(W)		
Frequency (MHz)				824.7	836.5	848.3	L	M	H
1.4	QPSK	1	0	24.94	25.07	24.80	0.1119	0.1153	0.1084
1.4	QPSK	1	3	24.94	24.93	24.96	0.1119	0.1117	0.1125
1.4	QPSK	1	5	24.96	24.89	24.77	0.1125	0.1107	0.1076
1.4	QPSK	3	0	25.00	25.05	24.91	0.1135	0.1148	0.1112
1.4	QPSK	3	1	24.82	24.98	24.96	0.1089	0.1130	0.1125
1.4	QPSK	3	3	25.00	24.88	24.90	0.1135	0.1104	0.1109
1.4	QPSK	6	0	24.09	24.34	24.19	0.0920	0.0975	0.0942
1.4	16QAM	1	0	24.09	24.14	24.03	0.0920	0.0931	0.0908
1.4	16QAM	1	3	23.97	24.10	24.02	0.0895	0.0923	0.0906
1.4	16QAM	1	5	23.76	23.86	23.75	0.0853	0.0873	0.0851
1.4	16QAM	3	0	23.72	23.84	23.71	0.0845	0.0869	0.0843
1.4	16QAM	3	1	23.70	23.61	23.66	0.0841	0.0824	0.0834
1.4	16QAM	3	3	23.54	23.90	23.68	0.0811	0.0881	0.0838
1.4	16QAM	6	0	22.86	22.91	23.00	0.0693	0.0701	0.0716
1.4	64QAM	1	0	22.78	22.82	22.91	0.0681	0.0687	0.0701
1.4	64QAM	1	3	22.77	22.98	22.90	0.0679	0.0713	0.0700
1.4	64QAM	1	5	22.94	23.23	22.96	0.0706	0.0755	0.0710
1.4	64QAM	3	0	22.71	23.01	22.70	0.0670	0.0718	0.0668
1.4	64QAM	3	1	22.63	22.81	22.71	0.0658	0.0685	0.0670
1.4	64QAM	3	3	22.61	23.02	22.58	0.0655	0.0719	0.0650
1.4	64QAM	6	0	21.79	22.03	22.02	0.0542	0.0573	0.0571
1.4	256QAM	1	0	19.80	19.93	19.70	0.0343	0.0353	0.0335
1.4	256QAM	1	3	19.80	19.82	19.85	0.0343	0.0344	0.0347



1.4	256QAM	1	5	19.77	19.70	19.68	0.0340	0.0335	0.0333
1.4	256QAM	3	0	19.95	19.91	19.90	0.0355	0.0352	0.0351
1.4	256QAM	3	1	19.89	19.92	19.82	0.0350	0.0352	0.0344
1.4	256QAM	3	3	19.85	20.02	19.77	0.0347	0.0361	0.0340
1.4	256QAM	6	0	19.92	20.10	19.97	0.0352	0.0367	0.0356

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BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770	L	M	H
20	QPSK	1	0	24.76	24.86	24.72	0.2924	0.2992	0.2897
20	QPSK	1	49	24.71	24.81	24.78	0.2891	0.2958	0.2938
20	QPSK	1	99	24.69	24.73	24.67	0.2877	0.2904	0.2864
20	QPSK	50	0	23.93	24.02	23.95	0.2415	0.2466	0.2427
20	QPSK	50	24	23.83	23.84	23.88	0.2360	0.2366	0.2388
20	QPSK	50	50	23.74	23.93	23.84	0.2312	0.2415	0.2366
20	QPSK	100	0	23.60	23.74	23.61	0.2239	0.2312	0.2244
20	16QAM	1	0	23.57	23.63	23.56	0.2223	0.2254	0.2218
20	16QAM	1	49	23.47	23.48	23.52	0.2173	0.2178	0.2198
20	16QAM	1	99	23.50	23.66	23.54	0.2188	0.2270	0.2208
20	16QAM	50	0	22.73	22.75	22.68	0.1832	0.1841	0.1811
20	16QAM	50	24	22.56	22.59	22.65	0.1762	0.1774	0.1799
20	16QAM	50	50	22.57	22.71	22.65	0.1766	0.1824	0.1799
20	16QAM	100	0	22.77	23.01	22.88	0.1849	0.1954	0.1897
20	64QAM	1	0	22.54	22.71	22.56	0.1754	0.1824	0.1762
20	64QAM	1	49	22.45	22.69	22.51	0.1718	0.1816	0.1742
20	64QAM	1	99	22.52	22.87	22.43	0.1746	0.1892	0.1710
20	64QAM	50	0	21.66	21.90	21.92	0.1432	0.1514	0.1521
20	64QAM	50	24	21.52	21.83	21.67	0.1387	0.1489	0.1435
20	64QAM	50	50	21.70	21.67	21.66	0.1445	0.1435	0.1432
20	64QAM	100	0	21.72	21.92	21.86	0.1452	0.1521	0.1500
20	256QAM	1	0	19.64	19.83	19.53	0.0899	0.0940	0.0877
20	256QAM	1	49	19.58	19.67	19.56	0.0887	0.0906	0.0883
20	256QAM	1	99	19.58	19.54	19.53	0.0887	0.0879	0.0877
20	256QAM	50	0	19.68	19.71	19.66	0.0908	0.0914	0.0904
20	256QAM	50	24	19.72	19.77	19.61	0.0916	0.0927	0.0893
20	256QAM	50	50	19.73	19.83	19.56	0.0918	0.0940	0.0883
20	256QAM	100	0	19.73	19.76	19.70	0.0918	0.0925	0.0912
Channel				132047	132322	132597	EIRP(W)		
Frequency (MHz)				1717.5	1745	1772.5	L	M	H
15	QPSK	1	0	24.45	24.54	24.40	0.2723	0.2780	0.2692
15	QPSK	1	37	24.46	24.44	24.51	0.2729	0.2716	0.2761
15	QPSK	1	74	24.40	24.51	24.42	0.2692	0.2761	0.2704
15	QPSK	36	0	23.62	23.65	23.68	0.2249	0.2265	0.2280
15	QPSK	36	20	23.50	23.59	23.50	0.2188	0.2234	0.2188
15	QPSK	36	39	23.48	23.59	23.57	0.2178	0.2234	0.2223
15	QPSK	75	0	23.35	23.49	23.33	0.2113	0.2183	0.2104
15	16QAM	1	0	23.34	23.26	23.32	0.2109	0.2070	0.2099



15	16QAM	1	37	23.18	23.16	23.19	0.2032	0.2023	0.2037
15	16QAM	1	74	23.18	23.34	23.31	0.2032	0.2109	0.2094
15	16QAM	36	0	22.39	22.52	22.36	0.1694	0.1746	0.1683
15	16QAM	36	20	22.21	22.28	22.33	0.1626	0.1652	0.1671
15	16QAM	36	39	22.26	22.47	22.30	0.1644	0.1726	0.1660
15	16QAM	75	0	22.50	22.79	22.55	0.1738	0.1858	0.1758
15	64QAM	1	0	22.27	22.39	22.30	0.1648	0.1694	0.1660
15	64QAM	1	37	22.17	22.46	22.16	0.1611	0.1722	0.1607
15	64QAM	1	74	22.16	22.49	22.21	0.1607	0.1734	0.1626
15	64QAM	36	0	21.28	21.64	21.68	0.1312	0.1426	0.1439
15	64QAM	36	20	21.24	21.58	21.33	0.1300	0.1406	0.1327
15	64QAM	36	39	21.43	21.30	21.42	0.1358	0.1318	0.1355
15	64QAM	75	0	21.45	21.67	21.53	0.1365	0.1435	0.1390
15	256QAM	1	0	19.36	19.58	19.24	0.0843	0.0887	0.0820
15	256QAM	1	37	19.34	19.36	19.30	0.0839	0.0843	0.0832
15	256QAM	1	74	19.29	19.29	19.26	0.0830	0.0830	0.0824
15	256QAM	36	0	19.40	19.45	19.33	0.0851	0.0861	0.0838
15	256QAM	36	20	19.40	19.53	19.33	0.0851	0.0877	0.0838
15	256QAM	36	39	19.45	19.52	19.32	0.0861	0.0875	0.0836
15	256QAM	75	0	19.46	19.50	19.43	0.0863	0.0871	0.0857
Channel				132022	132322	132622	EIRP(W)		
Frequency (MHz)				1715	1745	1775	L	M	H
10	QPSK	1	0	24.44	24.49	24.43	0.2716	0.2748	0.2710
10	QPSK	1	25	24.42	24.58	24.56	0.2704	0.2805	0.2793
10	QPSK	1	49	24.35	24.39	24.30	0.2661	0.2685	0.2630
10	QPSK	25	0	23.56	23.79	23.60	0.2218	0.2339	0.2239
10	QPSK	25	12	23.59	23.57	23.63	0.2234	0.2223	0.2254
10	QPSK	25	25	23.45	23.58	23.49	0.2163	0.2228	0.2183
10	QPSK	50	0	23.28	23.42	23.30	0.2080	0.2148	0.2089
10	16QAM	1	0	23.23	23.39	23.27	0.2056	0.2133	0.2075
10	16QAM	1	25	23.16	23.14	23.22	0.2023	0.2014	0.2051
10	16QAM	1	49	23.17	23.43	23.21	0.2028	0.2153	0.2046
10	16QAM	25	0	22.38	22.51	22.40	0.1690	0.1742	0.1698
10	16QAM	25	12	22.27	22.30	22.37	0.1648	0.1660	0.1687
10	16QAM	25	25	22.26	22.34	22.39	0.1644	0.1675	0.1694
10	16QAM	50	0	22.46	22.73	22.56	0.1722	0.1832	0.1762
10	64QAM	1	0	22.19	22.41	22.32	0.1618	0.1702	0.1667
10	64QAM	1	25	22.07	22.43	22.26	0.1574	0.1710	0.1644
10	64QAM	1	49	22.25	22.51	22.16	0.1641	0.1742	0.1607
10	64QAM	25	0	21.42	21.61	21.55	0.1355	0.1416	0.1396
10	64QAM	25	12	21.24	21.57	21.34	0.1300	0.1403	0.1330
10	64QAM	25	25	21.35	21.34	21.42	0.1334	0.1330	0.1355
10	64QAM	50	0	21.50	21.57	21.61	0.1380	0.1403	0.1416
10	256QAM	1	0	19.35	19.49	19.17	0.0841	0.0869	0.0807
10	256QAM	1	25	19.25	19.44	19.27	0.0822	0.0859	0.0826
10	256QAM	1	49	19.31	19.23	19.26	0.0834	0.0818	0.0824
10	256QAM	25	0	19.43	19.39	19.42	0.0857	0.0849	0.0855
10	256QAM	25	12	19.40	19.44	19.35	0.0851	0.0859	0.0841
10	256QAM	25	25	19.46	19.50	19.32	0.0863	0.0871	0.0836
10	256QAM	50	0	19.40	19.47	19.33	0.0851	0.0865	0.0838



Channel				131997	132322	132647	EIRP(W)		
Frequency (MHz)				1712.5	1745	1777.5	L	M	H
5	QPSK	1	0	24.40	24.52	24.47	0.2692	0.2767	0.2735
5	QPSK	1	12	24.37	24.45	24.55	0.2673	0.2723	0.2786
5	QPSK	1	24	24.44	24.39	24.37	0.2716	0.2685	0.2673
5	QPSK	12	0	23.58	23.77	23.60	0.2228	0.2328	0.2239
5	QPSK	12	7	23.57	23.55	23.58	0.2223	0.2213	0.2228
5	QPSK	12	13	23.46	23.55	23.55	0.2168	0.2213	0.2213
5	QPSK	25	0	23.37	23.44	23.29	0.2123	0.2158	0.2084
5	16QAM	1	0	23.27	23.29	23.31	0.2075	0.2084	0.2094
5	16QAM	1	12	23.15	23.11	23.19	0.2018	0.2000	0.2037
5	16QAM	1	24	23.21	23.34	23.21	0.2046	0.2109	0.2046
5	16QAM	12	0	22.40	22.40	22.33	0.1698	0.1698	0.1671
5	16QAM	12	7	22.29	22.31	22.41	0.1656	0.1663	0.1702
5	16QAM	12	13	22.30	22.48	22.41	0.1660	0.1730	0.1702
5	16QAM	25	0	22.53	22.76	22.65	0.1750	0.1845	0.1799
5	64QAM	1	0	22.32	22.44	22.22	0.1667	0.1714	0.1629
5	64QAM	1	12	22.13	22.41	22.14	0.1596	0.1702	0.1600
5	64QAM	1	24	22.19	22.58	22.10	0.1618	0.1770	0.1585
5	64QAM	12	0	21.43	21.64	21.58	0.1358	0.1426	0.1406
5	64QAM	12	7	21.24	21.48	21.32	0.1300	0.1374	0.1324
5	64QAM	12	13	21.41	21.34	21.39	0.1352	0.1330	0.1346
5	64QAM	25	0	21.35	21.64	21.51	0.1334	0.1426	0.1384
5	256QAM	1	0	19.29	19.52	19.19	0.0830	0.0875	0.0811
5	256QAM	1	12	19.25	19.38	19.33	0.0822	0.0847	0.0838
5	256QAM	1	24	19.22	19.30	19.20	0.0817	0.0832	0.0813
5	256QAM	12	0	19.35	19.41	19.32	0.0841	0.0853	0.0836
5	256QAM	12	7	19.35	19.54	19.26	0.0841	0.0879	0.0824
5	256QAM	12	13	19.47	19.51	19.25	0.0865	0.0873	0.0822
5	256QAM	25	0	19.37	19.45	19.35	0.0845	0.0861	0.0841
Channel				131987	132322	132657	EIRP(W)		
Frequency (MHz)				1711.5	1745	1778.5	L	M	H
3	QPSK	1	0	24.53	24.50	24.43	0.2773	0.2754	0.2710
3	QPSK	1	8	24.45	24.49	24.55	0.2723	0.2748	0.2786
3	QPSK	1	14	24.32	24.43	24.33	0.2642	0.2710	0.2649
3	QPSK	8	0	23.61	23.76	23.69	0.2244	0.2323	0.2286
3	QPSK	8	4	23.60	23.53	23.53	0.2239	0.2203	0.2203
3	QPSK	8	7	23.41	23.59	23.50	0.2143	0.2234	0.2188
3	QPSK	15	0	23.26	23.49	23.38	0.2070	0.2183	0.2128
3	16QAM	1	0	23.34	23.39	23.24	0.2109	0.2133	0.2061
3	16QAM	1	8	23.21	23.13	23.22	0.2046	0.2009	0.2051
3	16QAM	1	14	23.24	23.32	23.25	0.2061	0.2099	0.2065
3	16QAM	8	0	22.41	22.50	22.41	0.1702	0.1738	0.1702
3	16QAM	8	4	22.26	22.28	22.42	0.1644	0.1652	0.1706
3	16QAM	8	7	22.35	22.45	22.37	0.1679	0.1718	0.1687
3	16QAM	15	0	22.50	22.72	22.51	0.1738	0.1828	0.1742
3	64QAM	1	0	22.21	22.45	22.19	0.1626	0.1718	0.1618
3	64QAM	1	8	22.08	22.32	22.23	0.1578	0.1667	0.1633
3	64QAM	1	14	22.28	22.51	22.13	0.1652	0.1742	0.1596
3	64QAM	8	0	21.30	21.61	21.58	0.1318	0.1416	0.1406



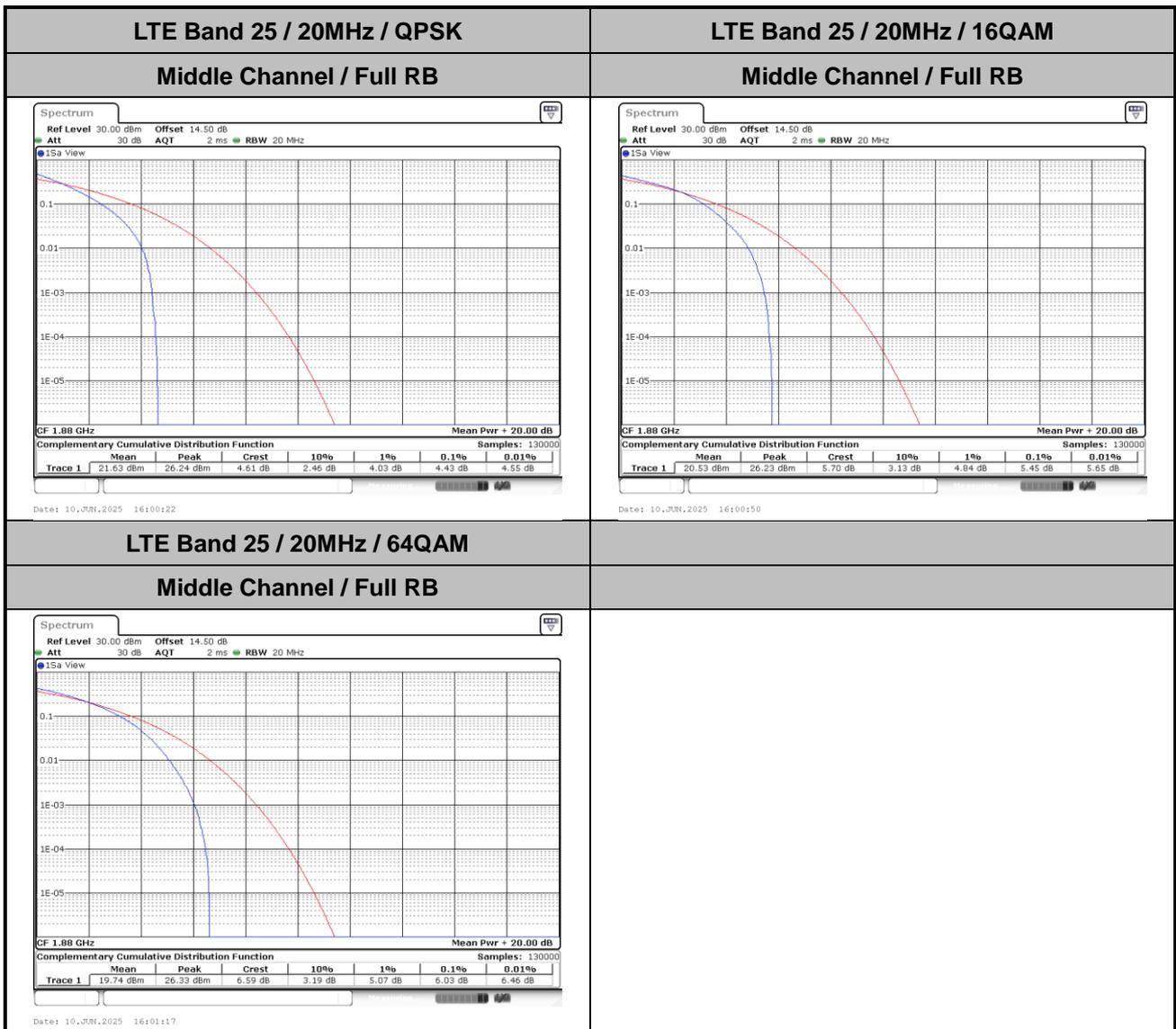
3	64QAM	8	4	21.23	21.54	21.41	0.1297	0.1393	0.1352
3	64QAM	8	7	21.43	21.32	21.42	0.1358	0.1324	0.1355
3	64QAM	15	0	21.38	21.56	21.63	0.1343	0.1400	0.1422
3	256QAM	1	0	19.35	19.50	19.23	0.0841	0.0871	0.0818
3	256QAM	1	8	19.27	19.37	19.23	0.0826	0.0845	0.0818
3	256QAM	1	14	19.35	19.18	19.24	0.0841	0.0809	0.0820
3	256QAM	8	0	19.34	19.45	19.35	0.0839	0.0861	0.0841
3	256QAM	8	4	19.35	19.46	19.29	0.0841	0.0863	0.0830
3	256QAM	8	7	19.39	19.47	19.27	0.0849	0.0865	0.0826
3	256QAM	15	0	19.35	19.44	19.41	0.0841	0.0859	0.0853
Channel				131979	132322	132665	EIRP(W)		
Frequency (MHz)				1710.7	1745	1779.3	L	M	H
1.4	QPSK	1	0	24.45	24.54	24.30	0.2723	0.2780	0.2630
1.4	QPSK	1	3	24.36	24.44	24.43	0.2667	0.2716	0.2710
1.4	QPSK	1	5	24.30	24.34	24.38	0.2630	0.2655	0.2679
1.4	QPSK	3	0	24.34	24.44	24.38	0.2655	0.2716	0.2679
1.4	QPSK	3	1	24.39	24.50	24.46	0.2685	0.2754	0.2729
1.4	QPSK	3	3	24.31	24.34	24.37	0.2636	0.2655	0.2673
1.4	QPSK	6	0	23.57	23.70	23.65	0.2223	0.2291	0.2265
1.4	16QAM	1	0	23.45	23.47	23.54	0.2163	0.2173	0.2208
1.4	16QAM	1	3	23.45	23.58	23.48	0.2163	0.2228	0.2178
1.4	16QAM	1	5	23.23	23.40	23.30	0.2056	0.2138	0.2089
1.4	16QAM	3	0	23.24	23.29	23.22	0.2061	0.2084	0.2051
1.4	16QAM	3	1	23.04	23.05	23.20	0.1968	0.1972	0.2042
1.4	16QAM	3	3	23.12	23.27	23.14	0.2004	0.2075	0.2014
1.4	16QAM	6	0	22.37	22.35	22.29	0.1687	0.1679	0.1656
1.4	64QAM	1	0	22.27	22.23	22.29	0.1648	0.1633	0.1656
1.4	64QAM	1	3	22.21	22.37	22.27	0.1626	0.1687	0.1648
1.4	64QAM	1	5	22.46	22.64	22.60	0.1722	0.1795	0.1778
1.4	64QAM	3	0	22.19	22.30	22.26	0.1618	0.1660	0.1644
1.4	64QAM	3	1	22.08	22.28	22.08	0.1578	0.1652	0.1578
1.4	64QAM	3	3	22.13	22.50	22.02	0.1596	0.1738	0.1556
1.4	64QAM	6	0	21.39	21.32	21.24	0.1346	0.1324	0.1300
1.4	256QAM	1	0	19.30	19.43	19.25	0.0832	0.0857	0.0822
1.4	256QAM	1	3	19.17	19.35	19.20	0.0807	0.0841	0.0813
1.4	256QAM	1	5	19.18	19.22	19.21	0.0809	0.0817	0.0815
1.4	256QAM	3	0	19.27	19.35	19.26	0.0826	0.0841	0.0824
1.4	256QAM	3	1	19.43	19.45	19.27	0.0857	0.0861	0.0826
1.4	256QAM	3	3	19.35	19.45	19.26	0.0841	0.0861	0.0824
1.4	256QAM	6	0	19.35	19.44	19.31	0.0841	0.0859	0.0834



# LTE Band 25

## Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.43	5.45	6.03	PASS





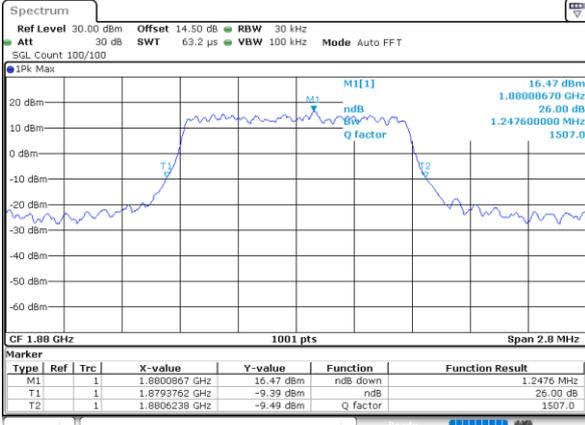
## 26dB Bandwidth

Mode	LTE Band 25 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.25	1.28	2.97	3.00	4.84	4.88	9.73	9.81	14.18	14.33	18.94	18.74



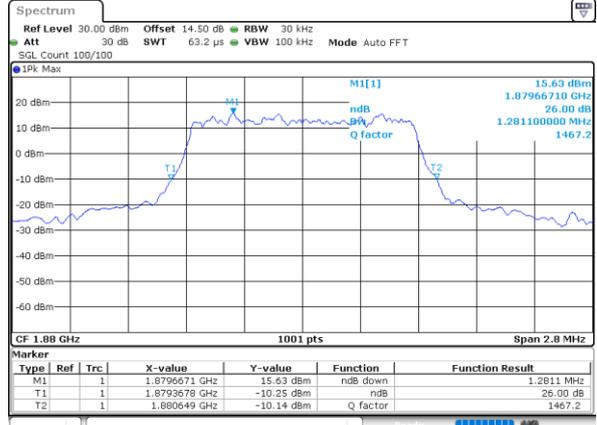
LTE Band 25

Middle Channel / 1.4MHz / QPSK



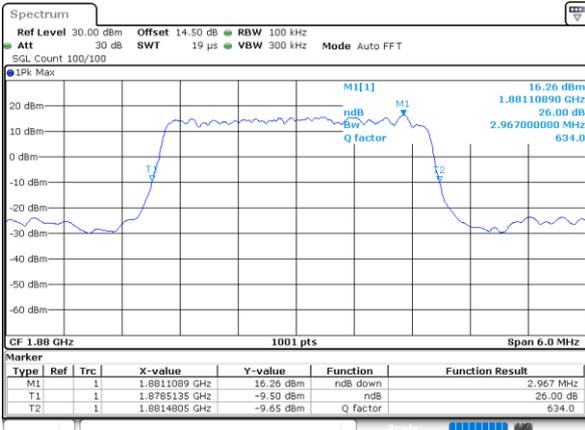
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Middle Channel / 1.4MHz / 16QAM



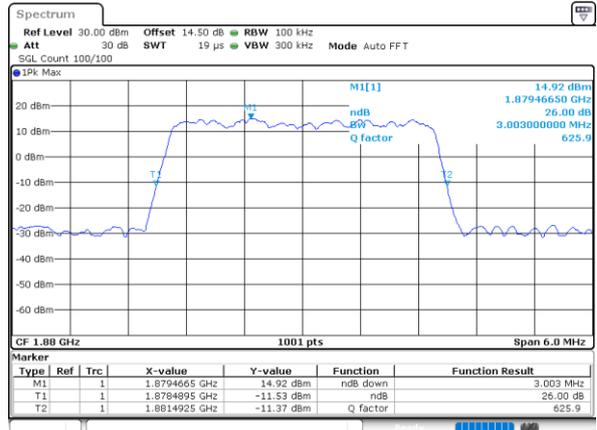
Date: 10 JUN 2025 15:01:44

Middle Channel / 3MHz / QPSK



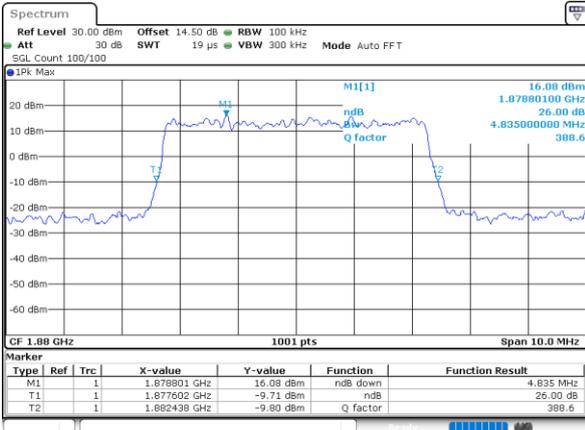
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Middle Channel / 3MHz / 16QAM



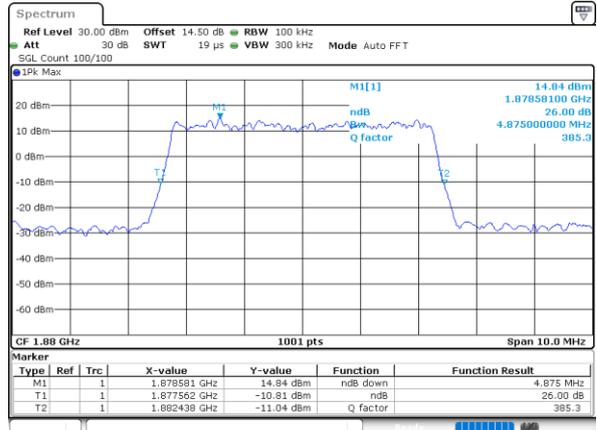
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Middle Channel / 5MHz / QPSK



Date: 10 JUN 2025 15:24:33

Middle Channel / 5MHz / 16QAM

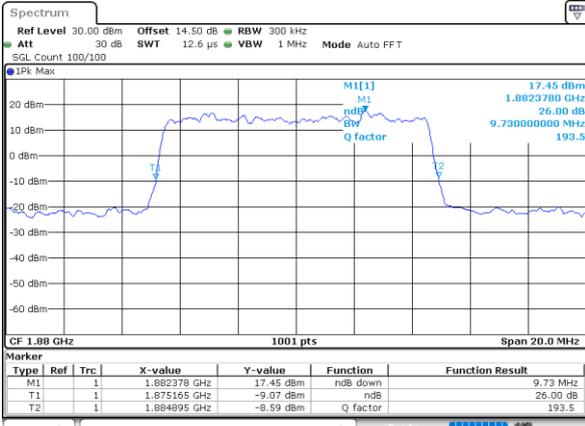


Date: 10 JUN 2025 15:25:14



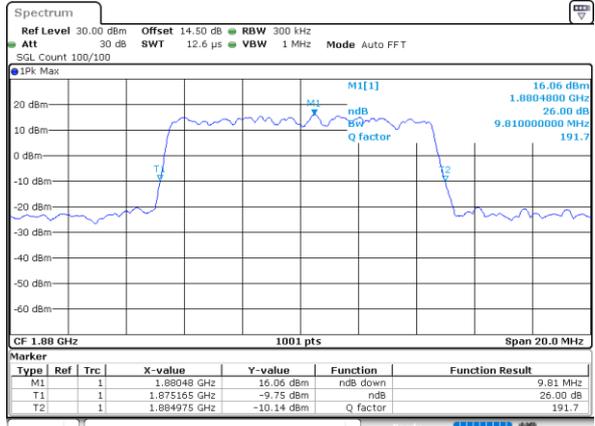
LTE Band 25

Middle Channel / 10MHz / QPSK



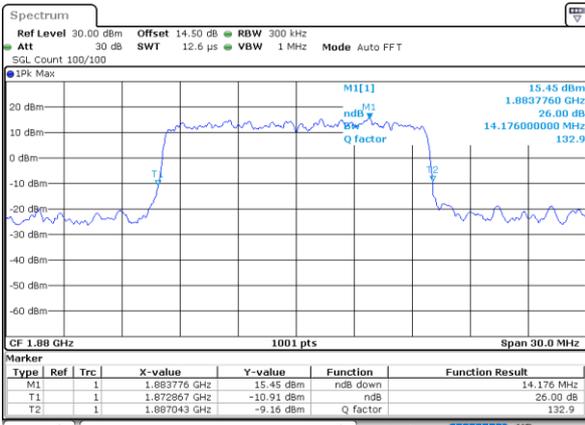
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Middle Channel / 10MHz / 16QAM



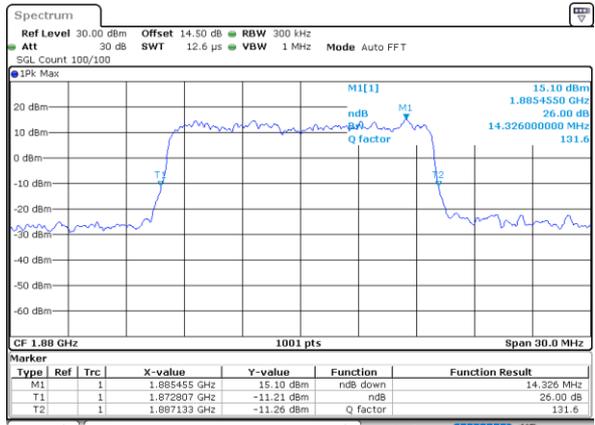
Date: 10 JUN 2025 15:36:26

Middle Channel / 15MHz / QPSK



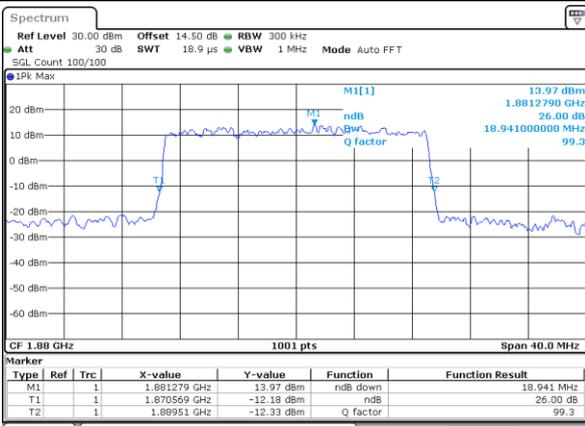
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Middle Channel / 15MHz / 16QAM



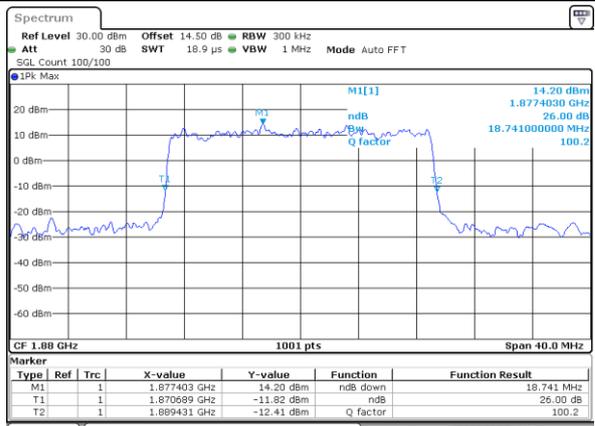
Date: 10 JUN 2025 15:48:43

Middle Channel / 20MHz / QPSK



Date: 10 JUN 2025 15:59:15

Middle Channel / 20MHz / 16QAM



Date: 10 JUN 2025 15:59:55



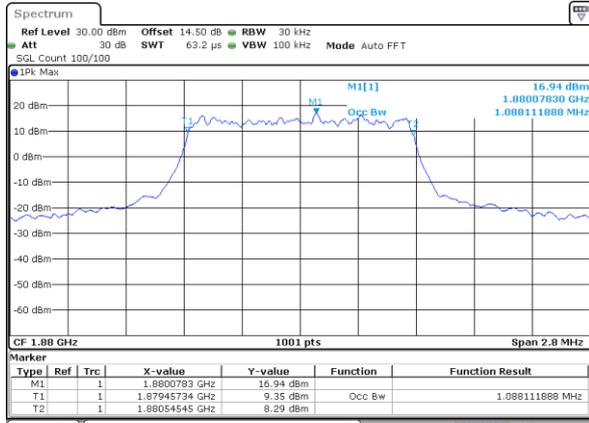
### Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.72	2.72	4.50	4.49	9.07	9.01	13.40	13.52	17.90	17.94



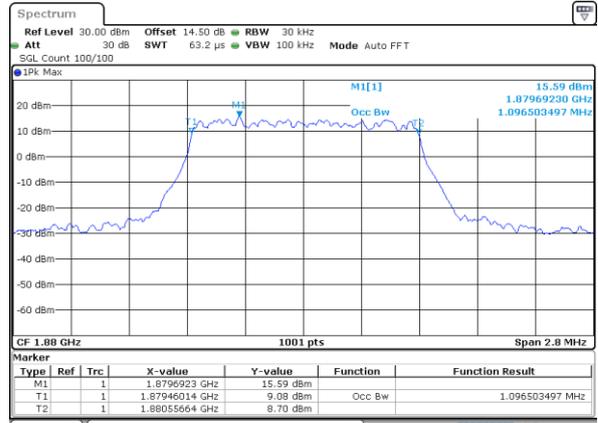
LTE Band 25

Middle Channel / 1.4MHz / QPSK



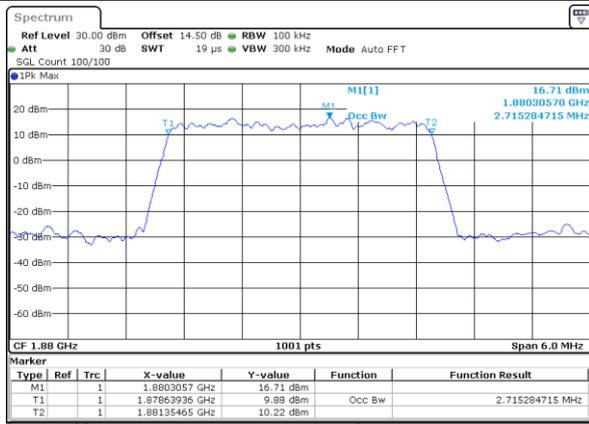
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Middle Channel / 1.4MHz / 16QAM



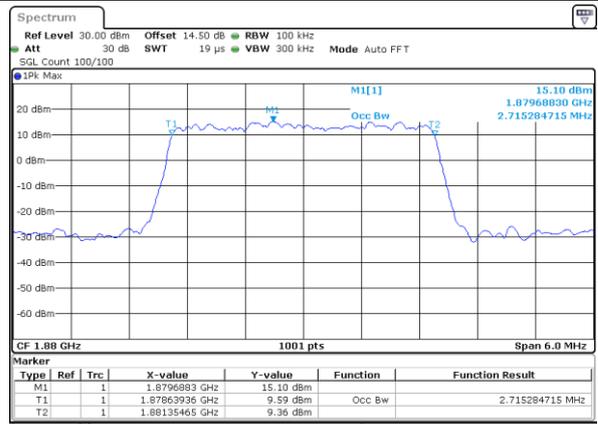
Date: 10 JUN 2025 15:01:30

Middle Channel / 3MHz / QPSK



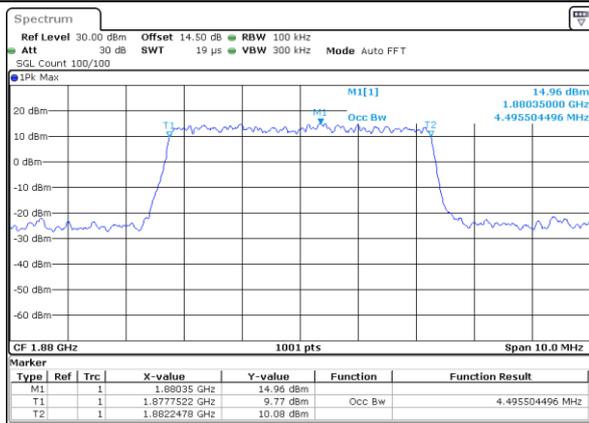
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Middle Channel / 3MHz / 16QAM



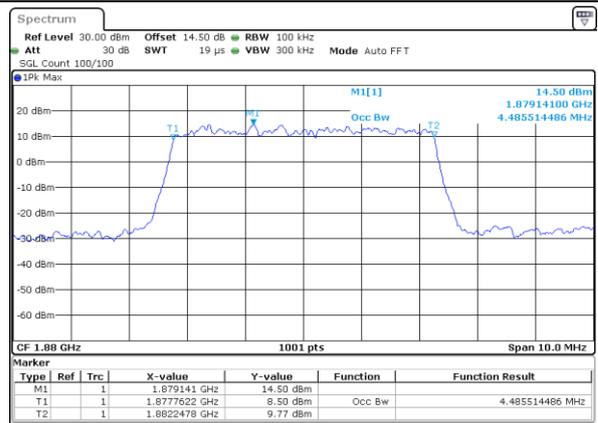
Date: 10 JUN 2025 15:12:43

Middle Channel / 5MHz / QPSK



Date: 10 JUN 2025 15:24:19

Middle Channel / 5MHz / 16QAM

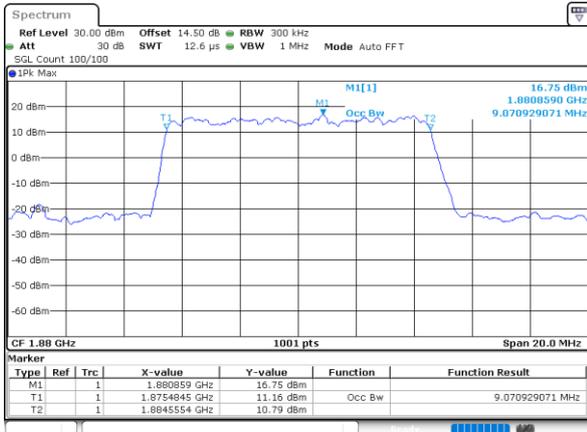


Date: 10 JUN 2025 15:25:00



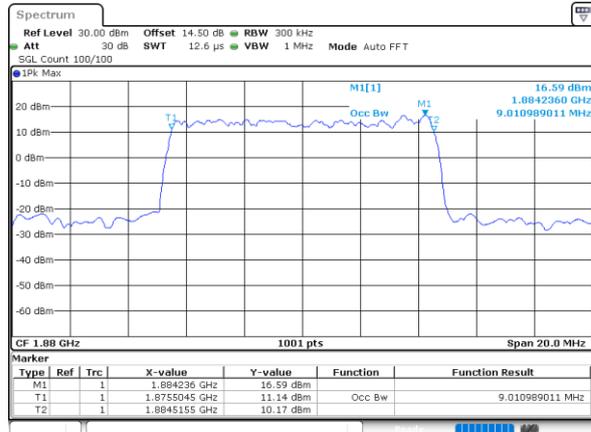
LTE Band 25

Middle Channel / 10MHz / QPSK



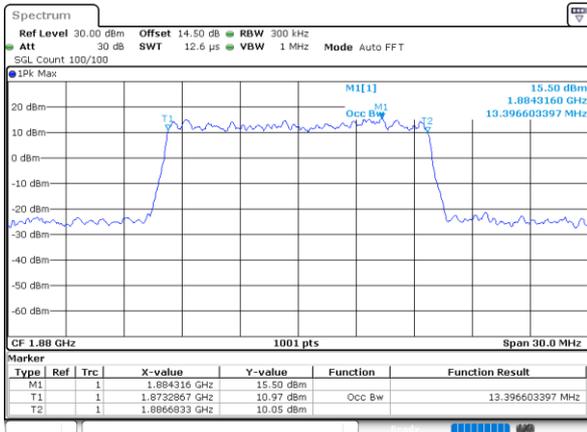
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Middle Channel / 10MHz / 16QAM



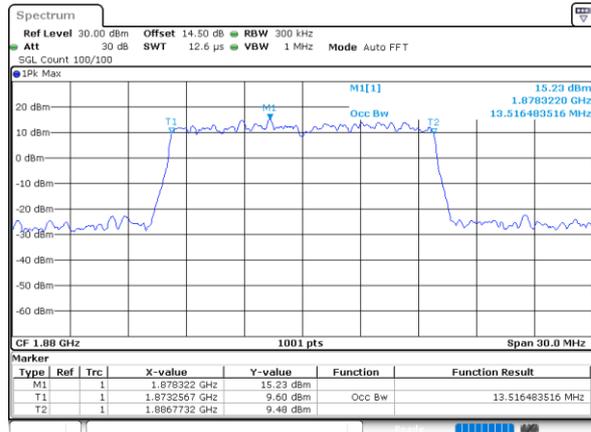
Date: 10 JUN 2025 15:36:12

Middle Channel / 15MHz / QPSK



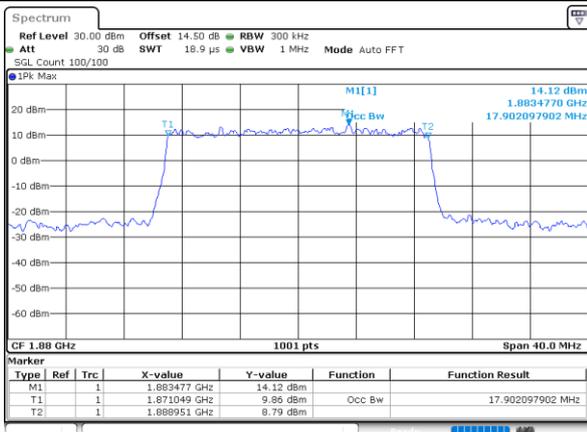
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Middle Channel / 15MHz / 16QAM



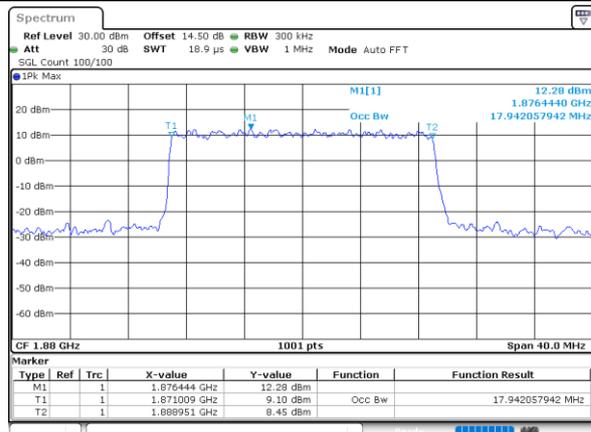
Date: 10 JUN 2025 15:48:29

Middle Channel / 20MHz / QPSK



Date: 10 JUN 2025 15:59:01

Middle Channel / 20MHz / 16QAM



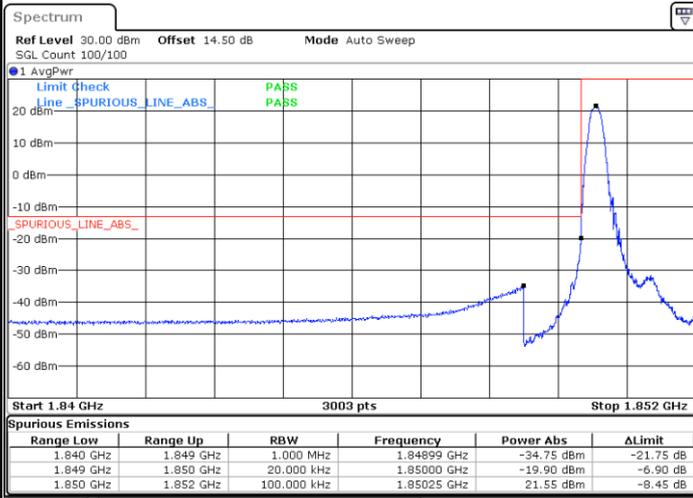
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# Conducted Band Edge

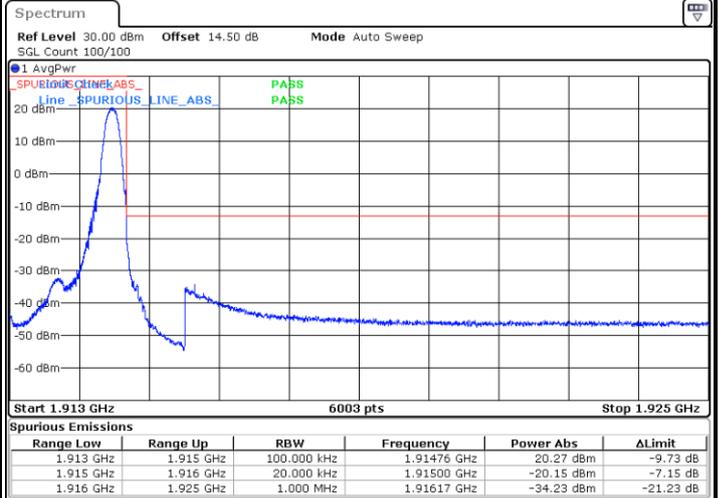
## LTE Band 25 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB



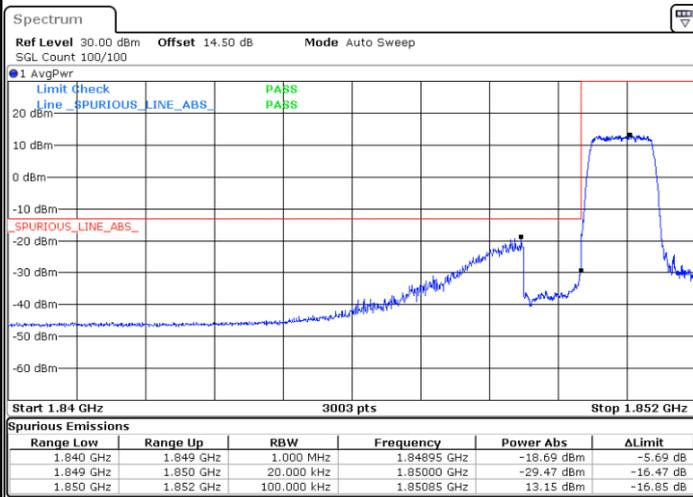
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### Highest Band Edge / 1RB



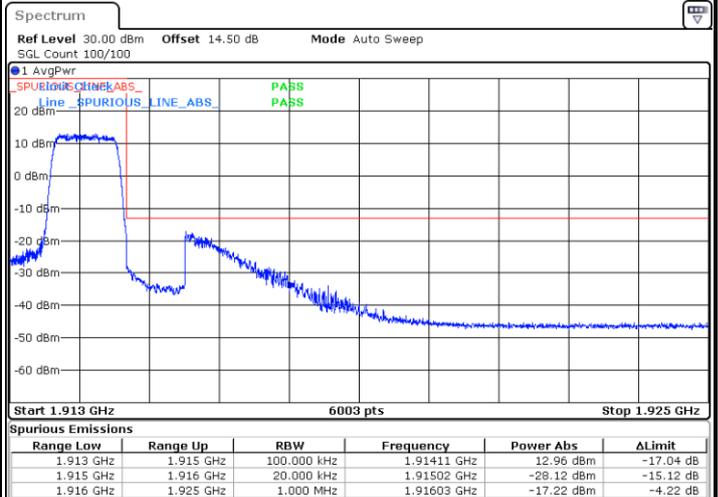
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### Lowest Band Edge / Full RB



Date: 10 JUN 2025 14:56:13

### Highest Band Edge / Full RB

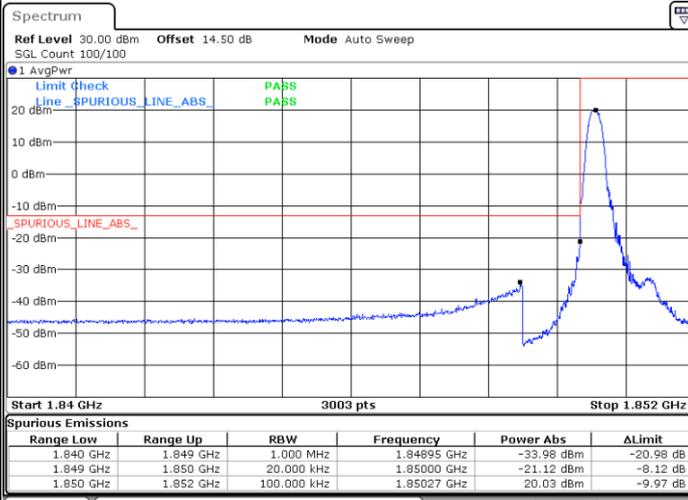


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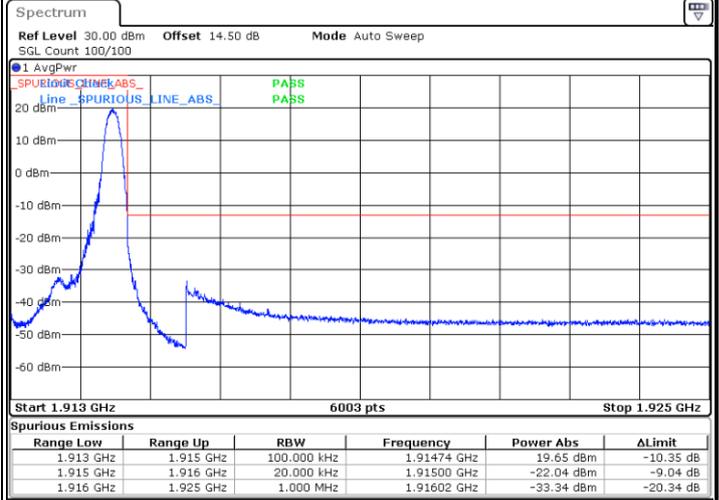
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



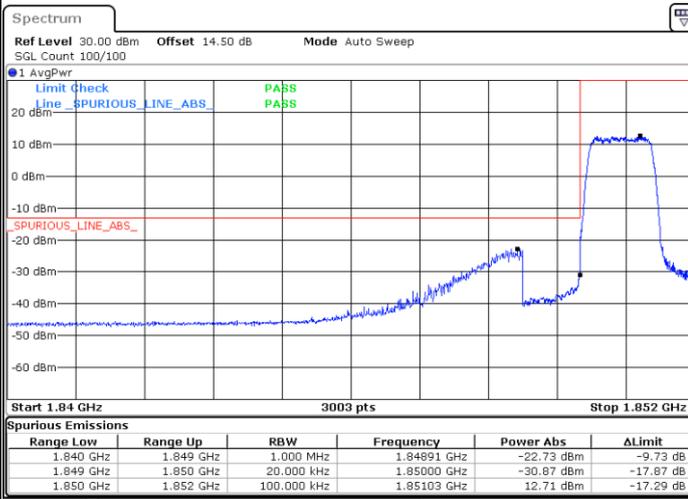
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Highest Band Edge / 1 RB



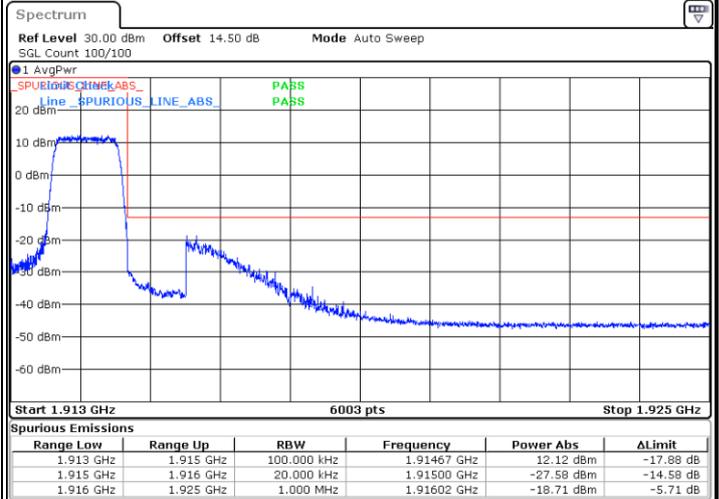
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Lowest Band Edge / Full RB



Date: 10. JUN. 2025 14:55:42

Highest Band Edge / Full RB

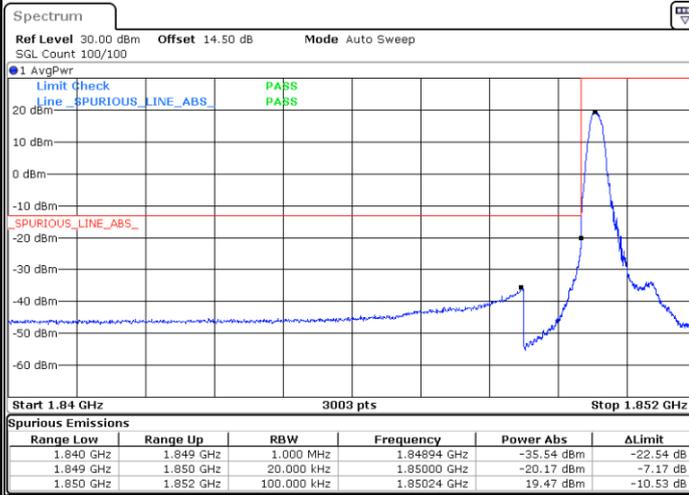


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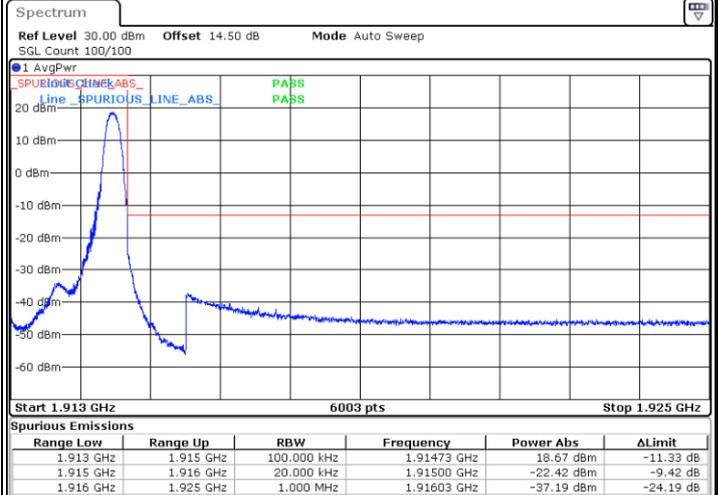
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



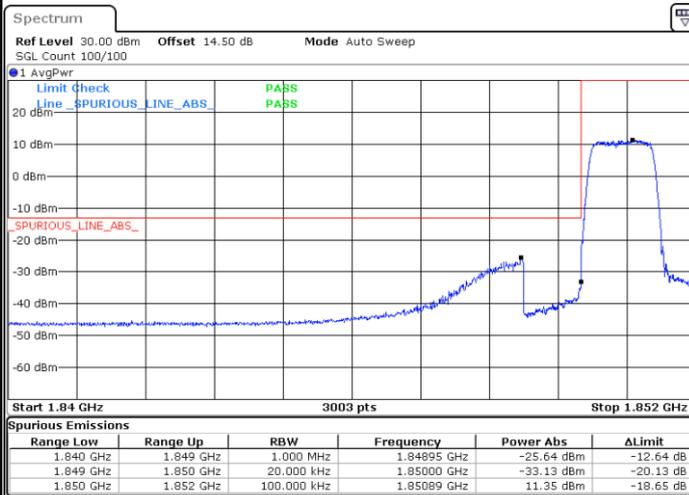
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Highest Band Edge / 1 RB



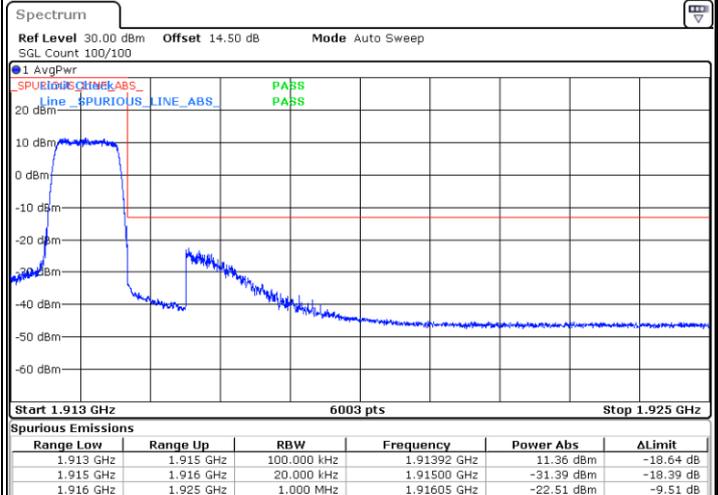
Date: 10. JUN. 2025 15:03:16

Lowest Band Edge / Full RB



Date: 10. JUN. 2025 14:55:11

Highest Band Edge / Full RB

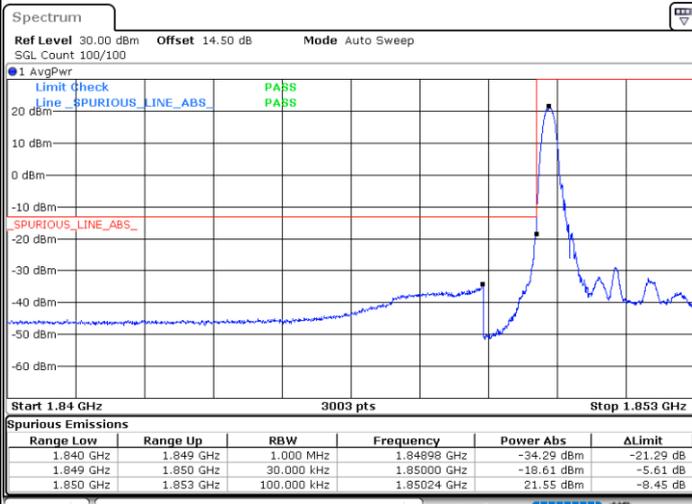


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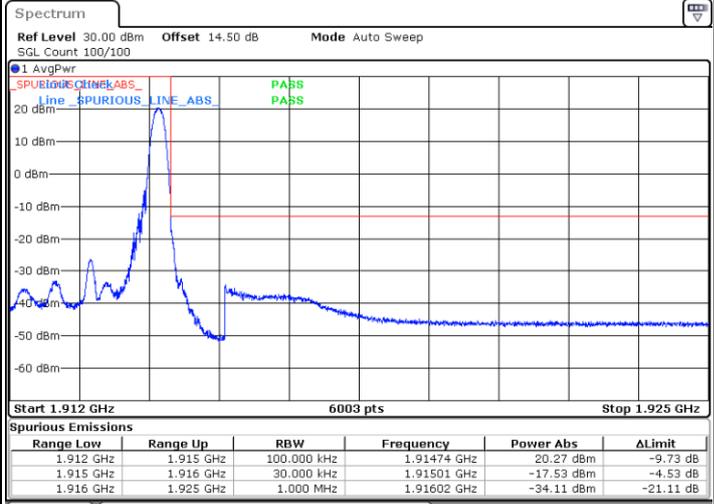
LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / 1RB



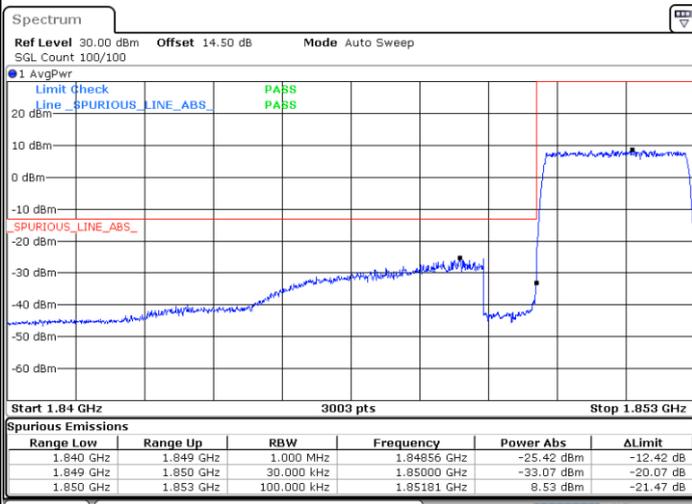
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Highest Band Edge / 1RB



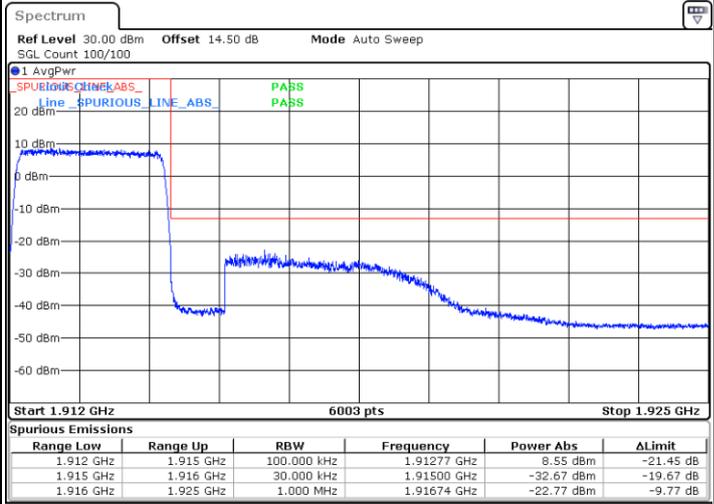
Date: 10 JUN 2025 15:13:27

Lowest Band Edge / Full RB



Date: 10 JUN 2025 15:09:36

Highest Band Edge / Full RB

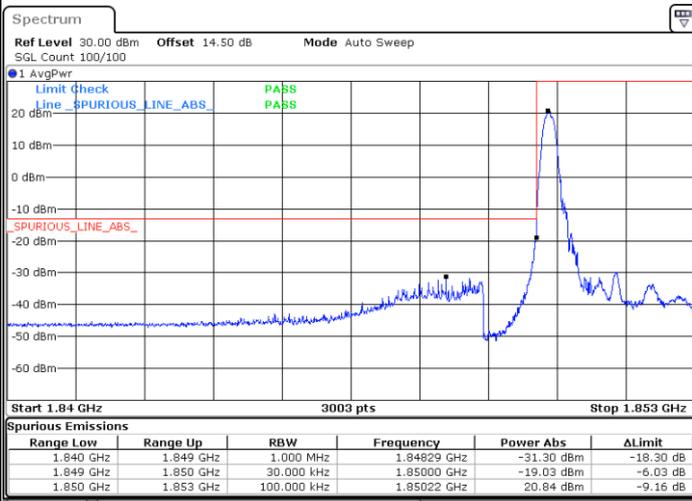


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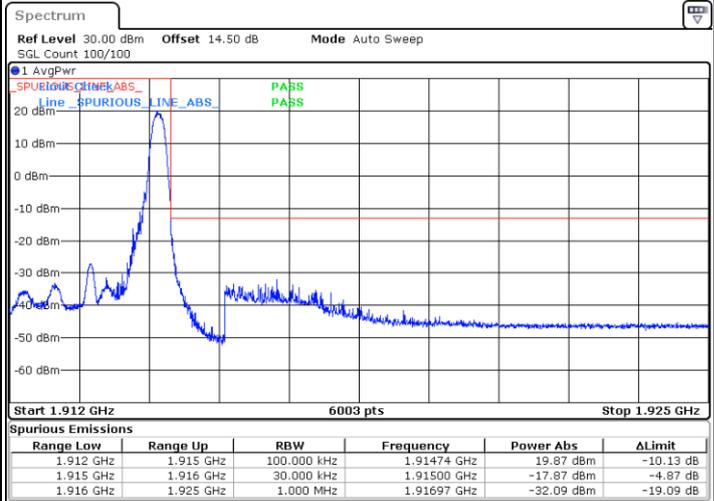
LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



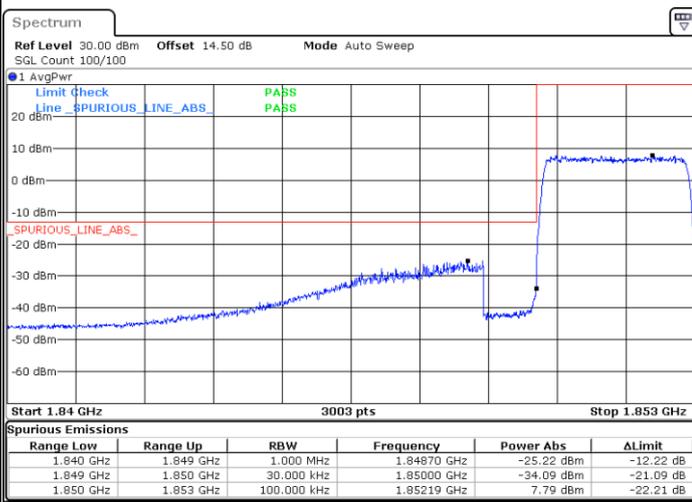
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Highest Band Edge / 1 RB



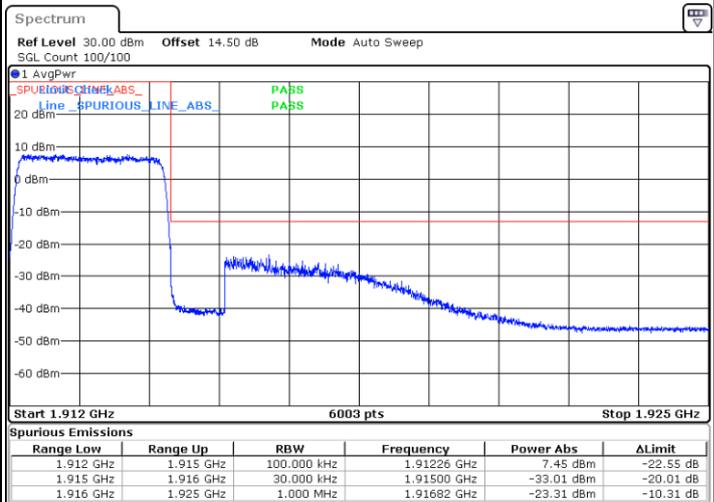
Date: 10. JUN. 2025 15:13:58

Lowest Band Edge / Full RB



Date: 10. JUN. 2025 15:09:05

Highest Band Edge / Full RB

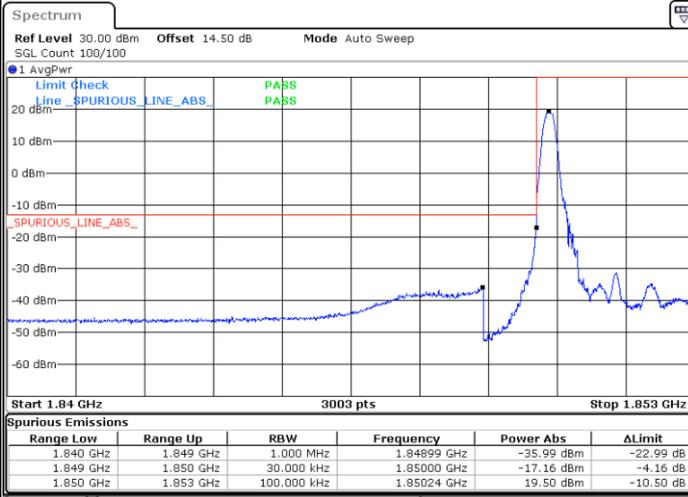


Date: 10. JUN. 2025 15:15:30



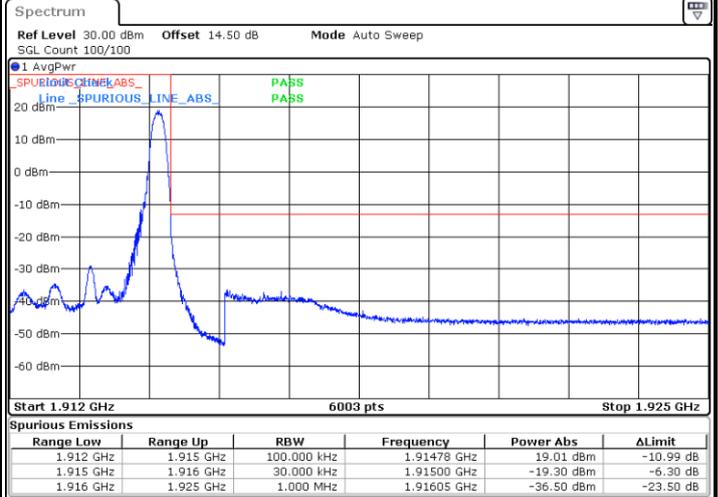
LTE Band 25 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



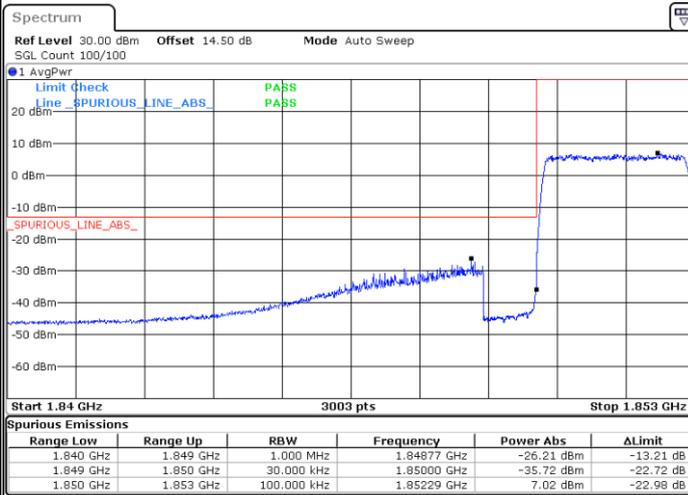
Date: 10. JUN. 2025 15:08:04

Highest Band Edge / 1 RB



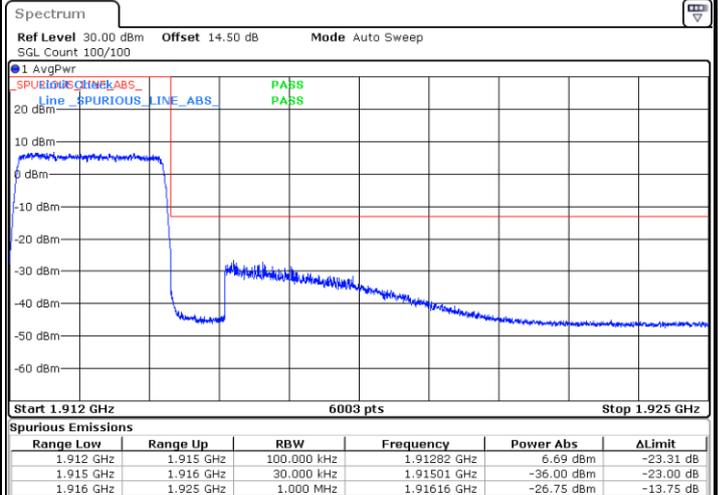
Date: 10. JUN. 2025 15:14:28

Lowest Band Edge / Full RB



Date: 10. JUN. 2025 15:08:34

Highest Band Edge / Full RB

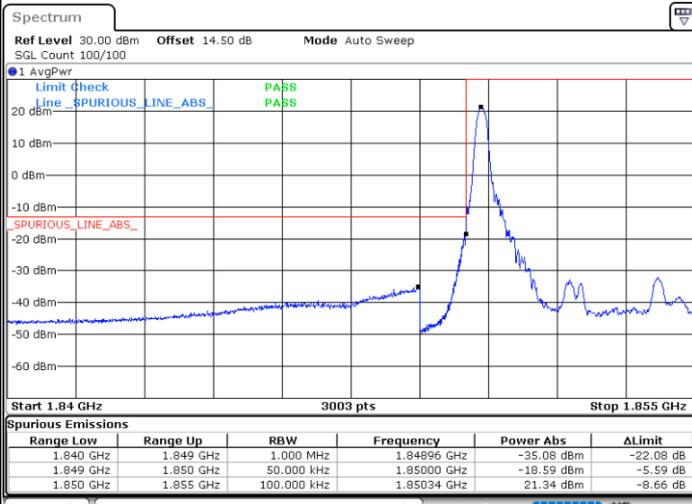


Date: 10. JUN. 2025 15:14:59



LTE Band 25 / 5MHz / QPSK

Lowest Band Edge / 1RB



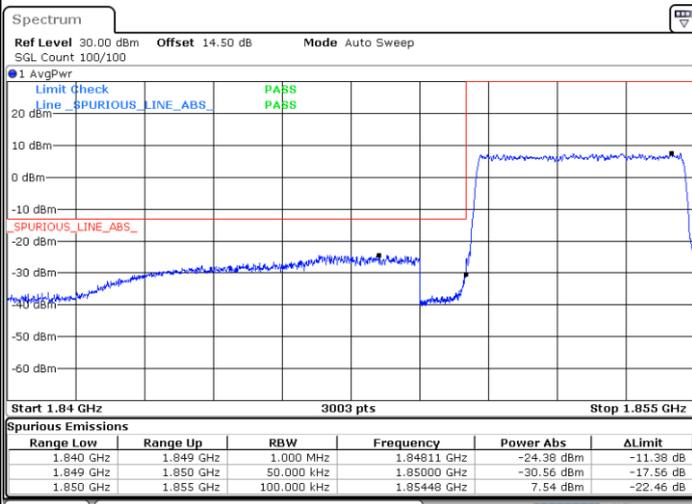
Date: 10. JUN. 2025 15:19:19

Highest Band Edge / 1RB



Date: 10. JUN. 2025 15:25:44

Lowest Band Edge / Full RB



Date: 10. JUN. 2025 15:21:53

Highest Band Edge / Full RB

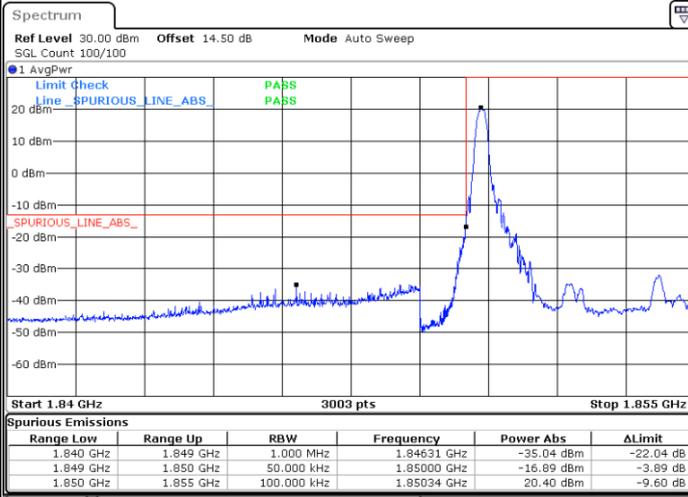


Date: 10. JUN. 2025 15:28:17



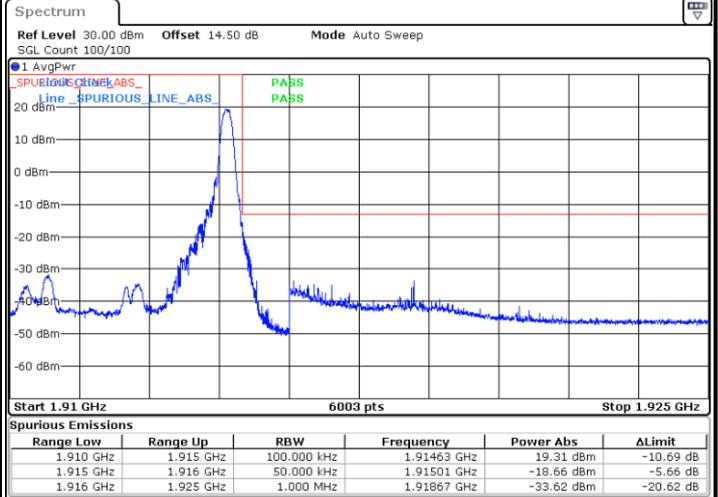
LTE Band 25 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



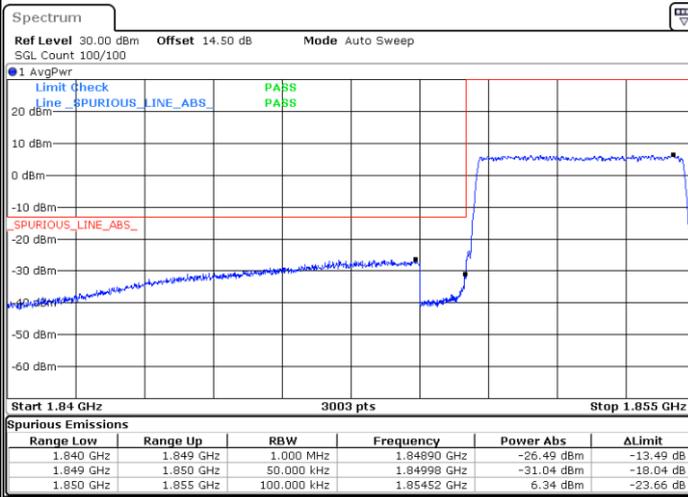
Date: 10. JUN. 2025 15:19:50

Highest Band Edge / 1 RB



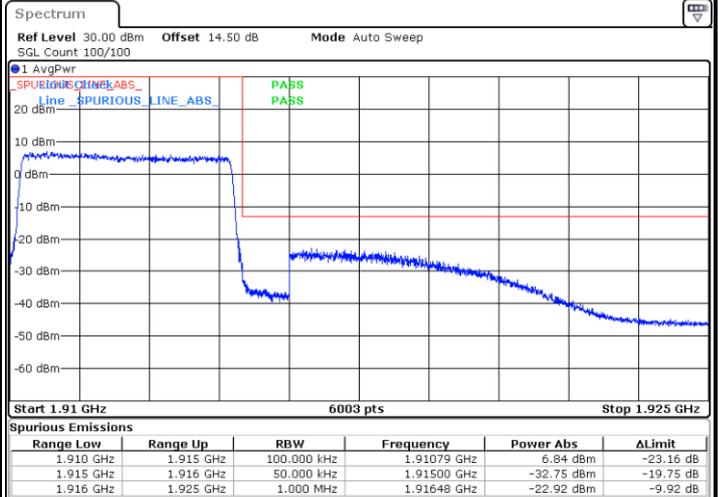
Date: 10. JUN. 2025 15:26:15

Lowest Band Edge / Full RB



Date: 10. JUN. 2025 15:21:22

Highest Band Edge / Full RB

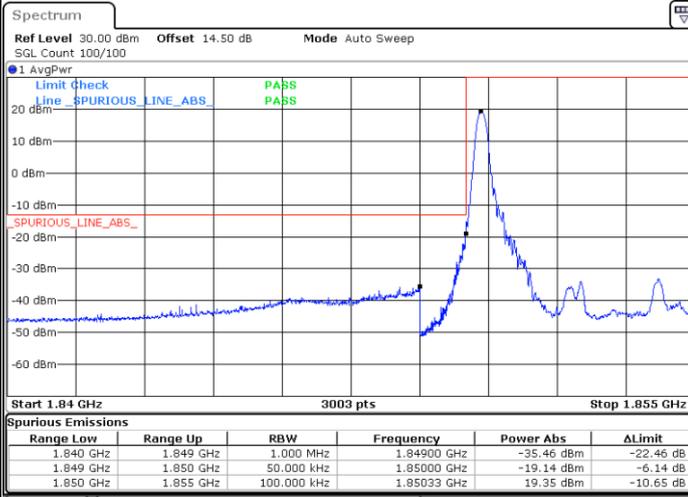


Date: 10. JUN. 2025 15:27:47



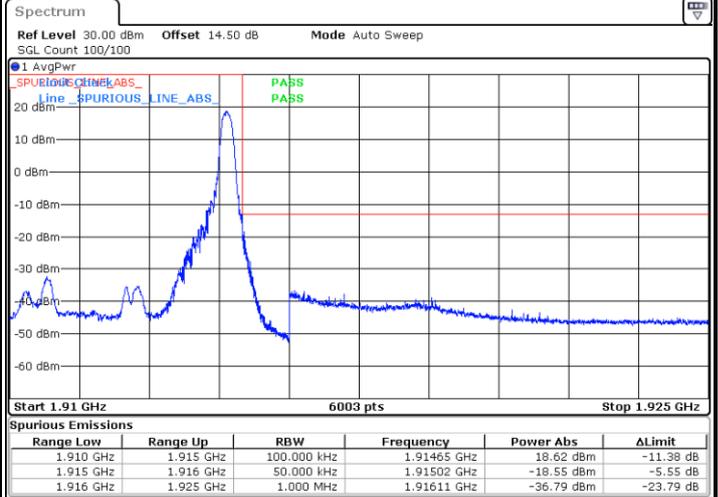
LTE Band 25 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



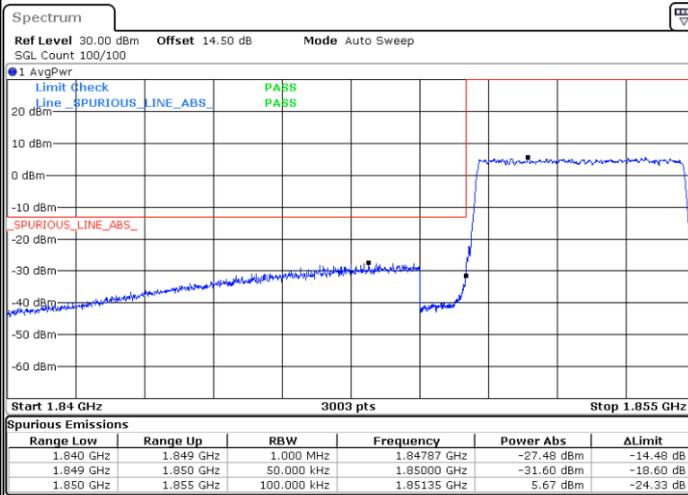
Date: 10 JUN 2025 15:20:21

Highest Band Edge / 1 RB



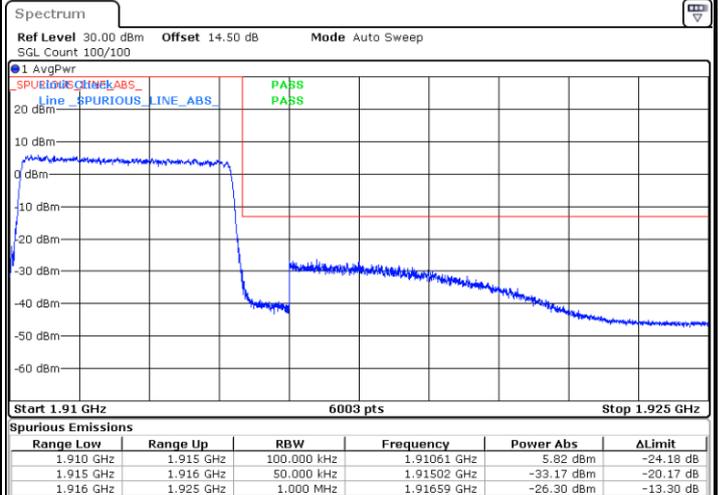
Date: 10 JUN 2025 15:26:45

Lowest Band Edge / Full RB



Date: 10 JUN 2025 15:20:51

Highest Band Edge / Full RB

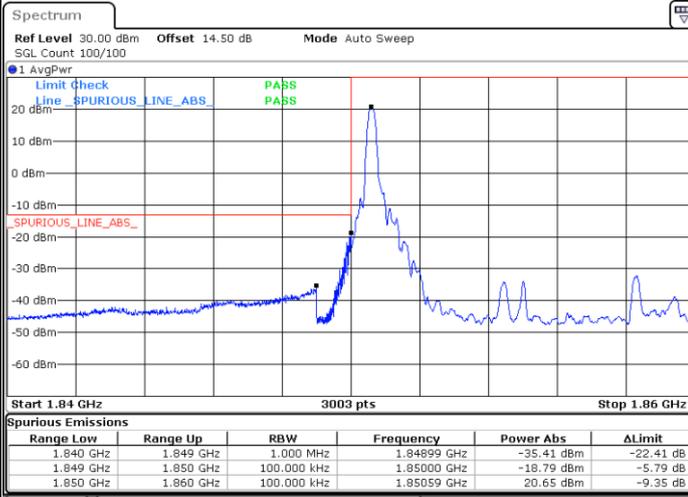


Date: 10 JUN 2025 15:27:16



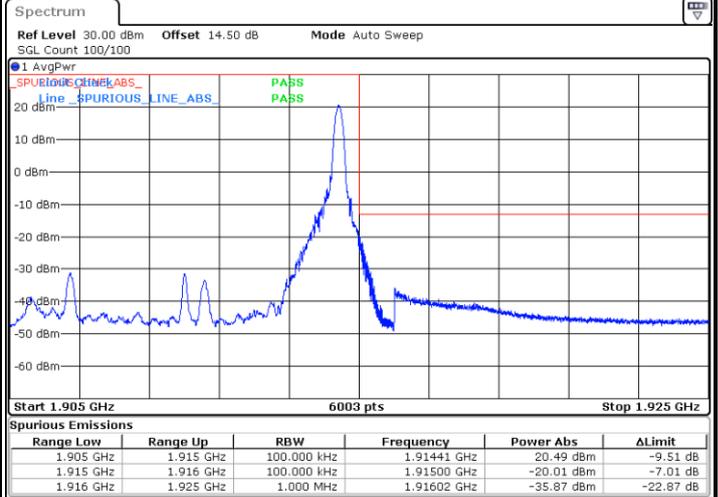
LTE Band 25 / 10MHz / QPSK

Lowest Band Edge / 1RB



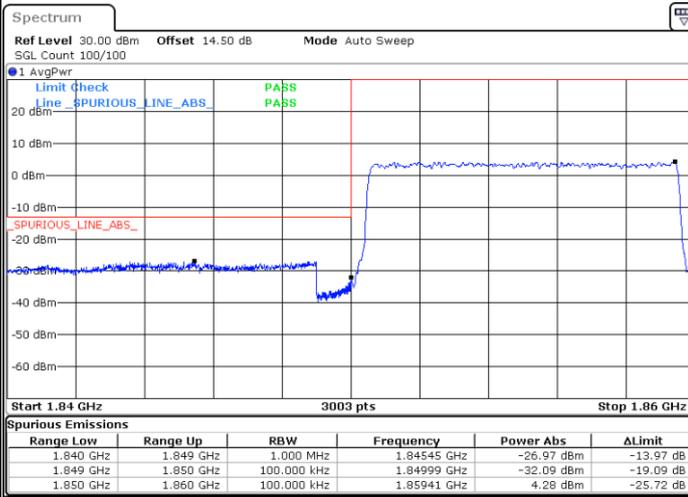
Date: 10. JUN. 2025 15:30:31

Highest Band Edge / 1RB



Date: 10. JUN. 2025 15:36:57

Lowest Band Edge / Full RB



Date: 10. JUN. 2025 15:33:05

Highest Band Edge / Full RB

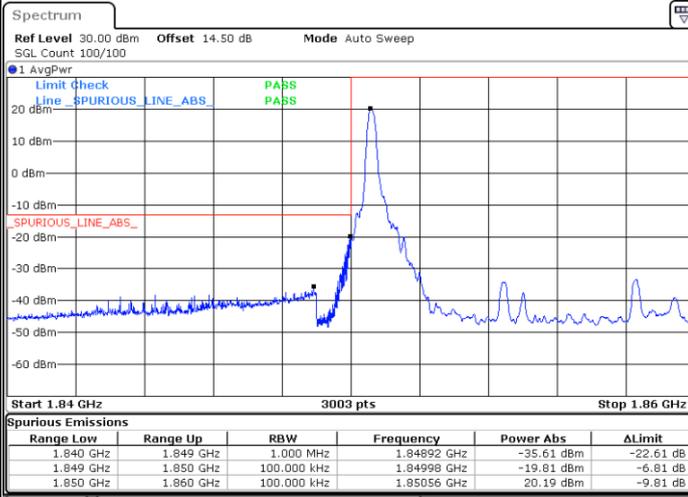


Date: 10. JUN. 2025 15:39:30



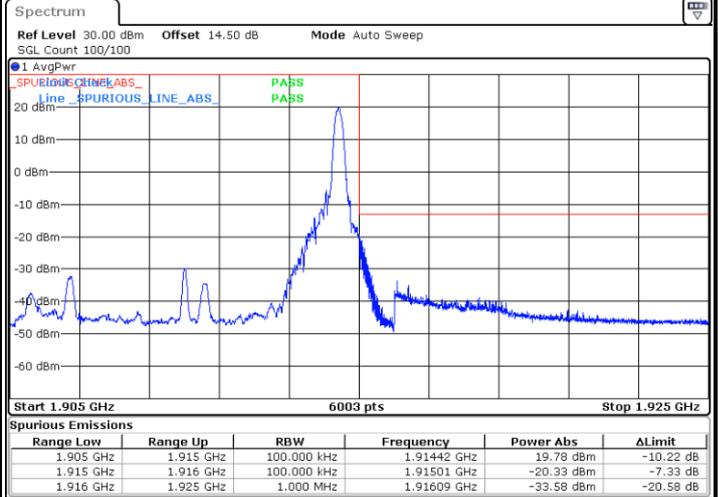
LTE Band 25 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



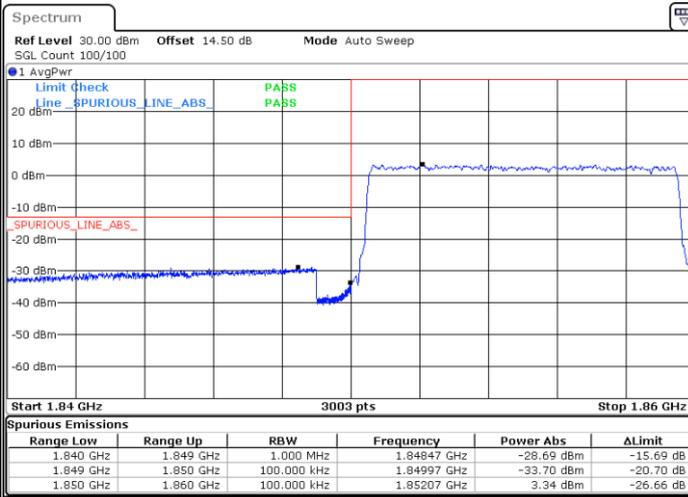
Date: 10. JUN. 2025 15:31:02

Highest Band Edge / 1 RB



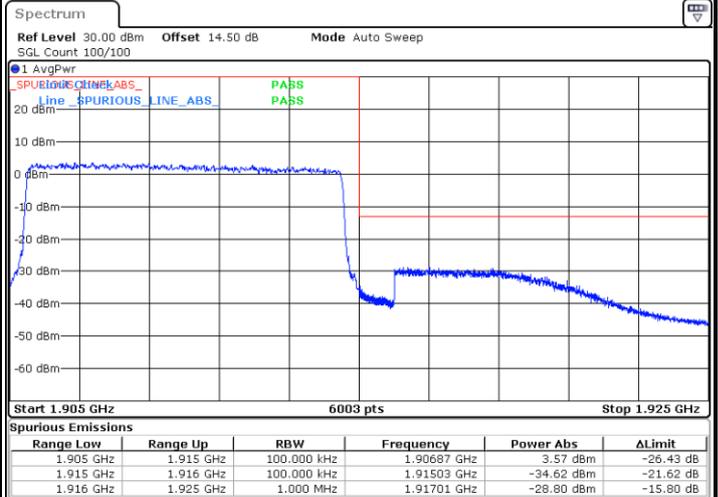
Date: 10. JUN. 2025 15:37:27

Lowest Band Edge / Full RB



Date: 10. JUN. 2025 15:32:34

Highest Band Edge / Full RB

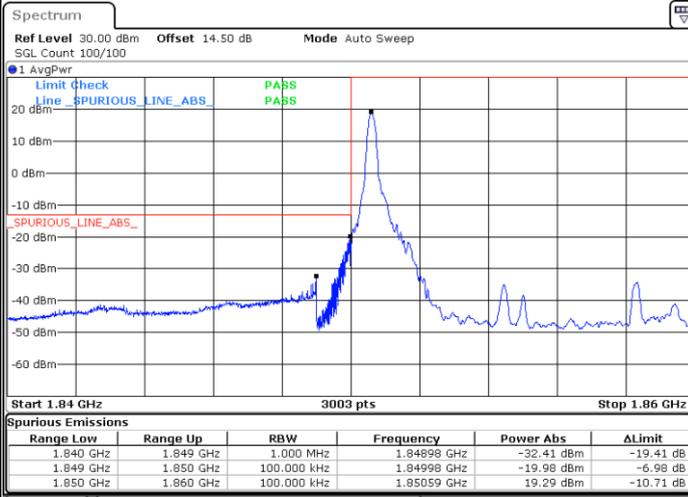


Date: 10. JUN. 2025 15:38:59



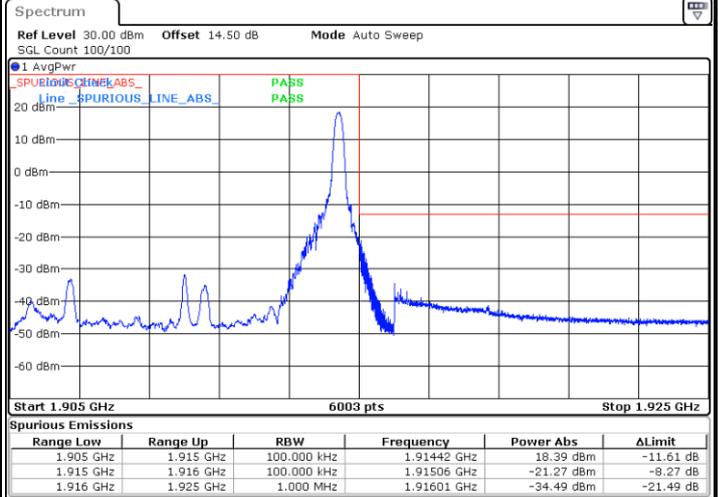
LTE Band 25 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



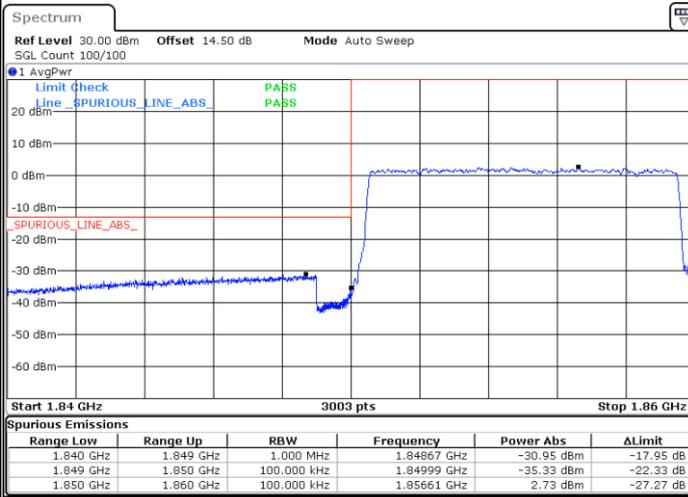
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Highest Band Edge / 1 RB



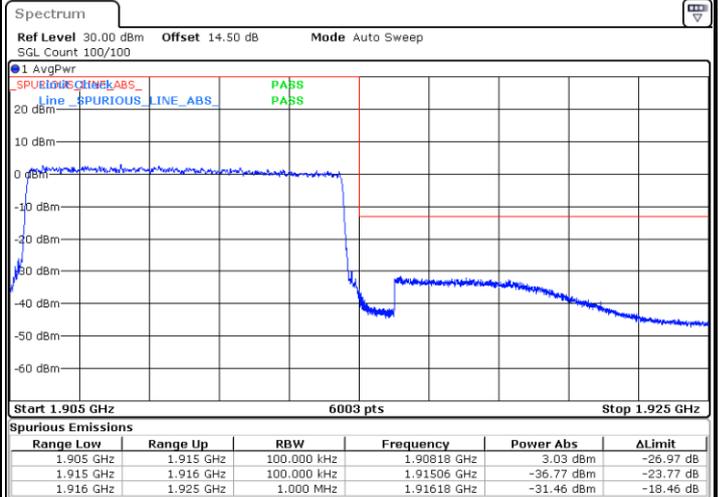
Date: 10. JUN. 2025 15:37:58

Lowest Band Edge / Full RB



Date: 10. JUN. 2025 15:32:04

Highest Band Edge / Full RB

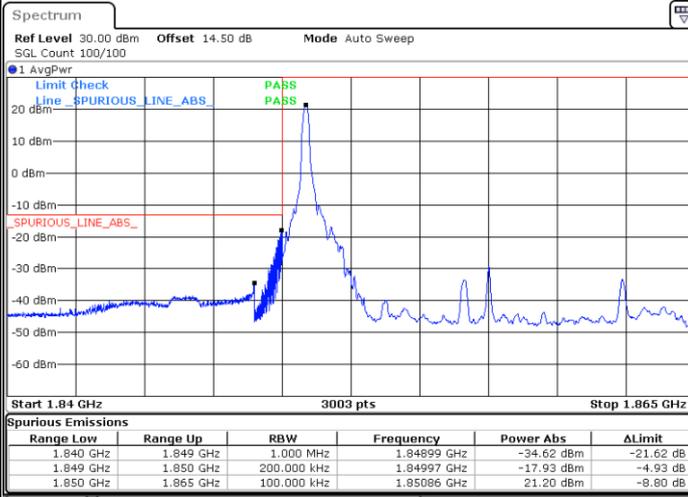


Date: 10. JUN. 2025 15:38:29



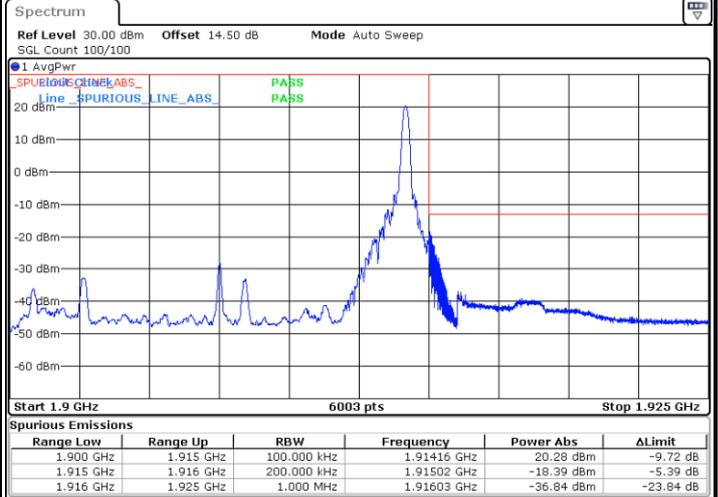
LTE Band 25 / 15MHz / QPSK

Lowest Band Edge / 1RB



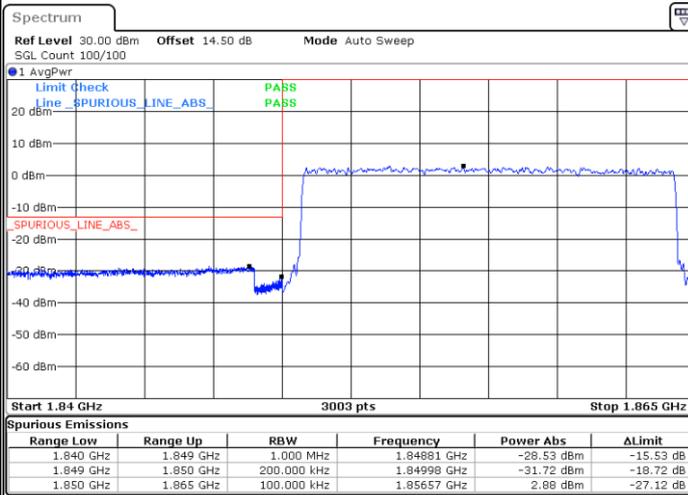
Date: 10 JUN 2025 15:42:48

Highest Band Edge / 1RB



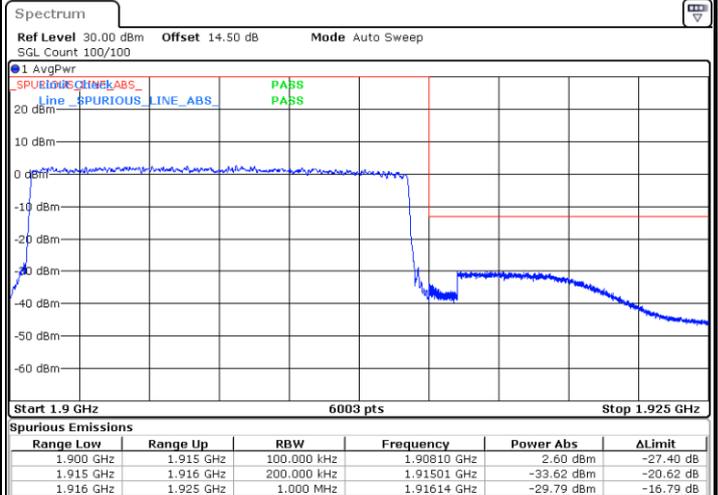
Date: 10 JUN 2025 15:49:13

Lowest Band Edge / Full RB



Date: 10 JUN 2025 15:45:22

Highest Band Edge / Full RB

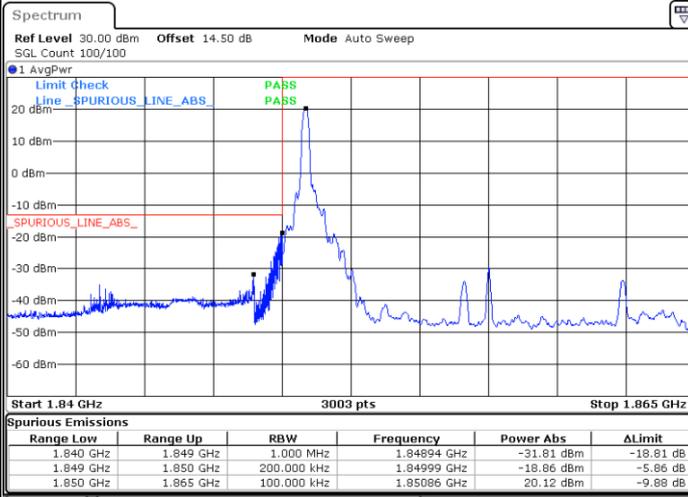


Date: 10 JUN 2025 15:51:47



LTE Band 25 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



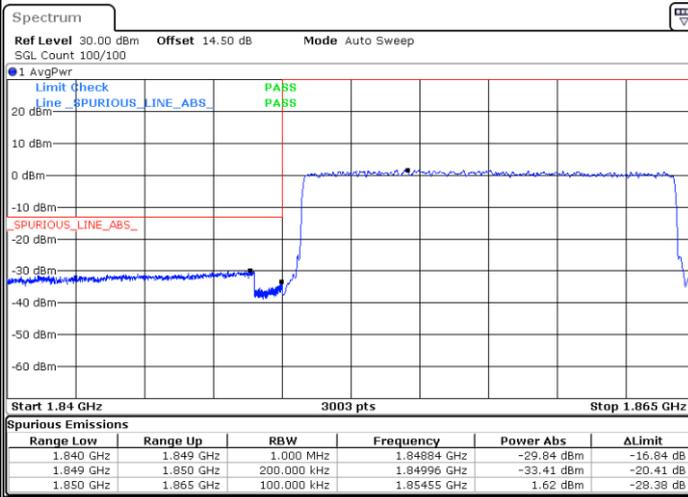
Date: 10. JUN. 2025 15:43:19

Highest Band Edge / 1 RB



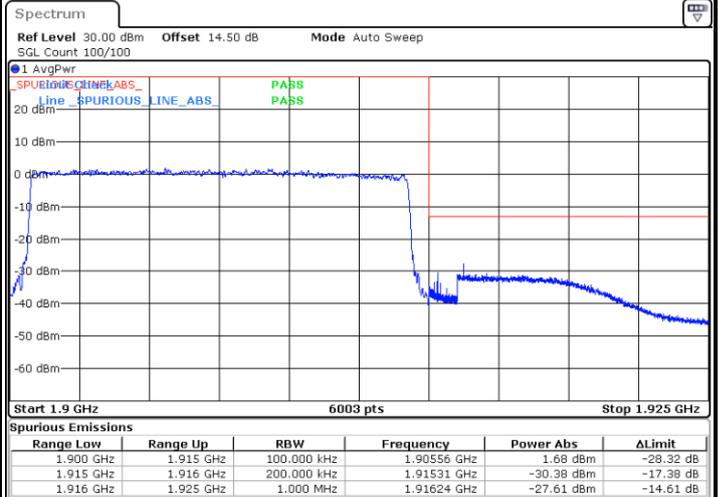
Date: 10. JUN. 2025 15:49:44

Lowest Band Edge / Full RB



Date: 10. JUN. 2025 15:44:51

Highest Band Edge / Full RB

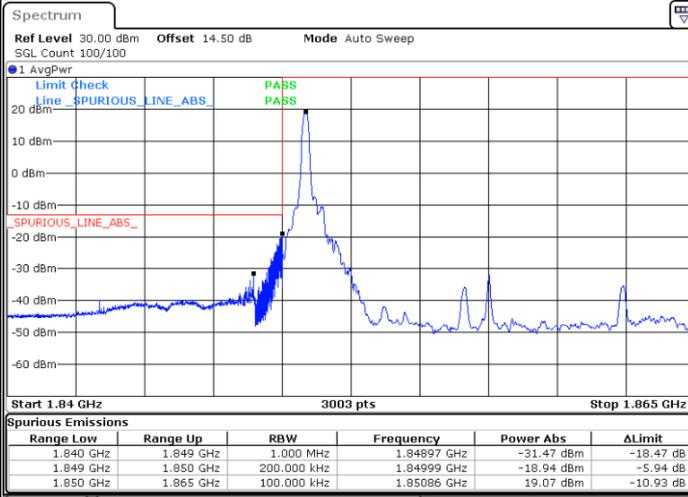


Date: 10. JUN. 2025 15:51:16



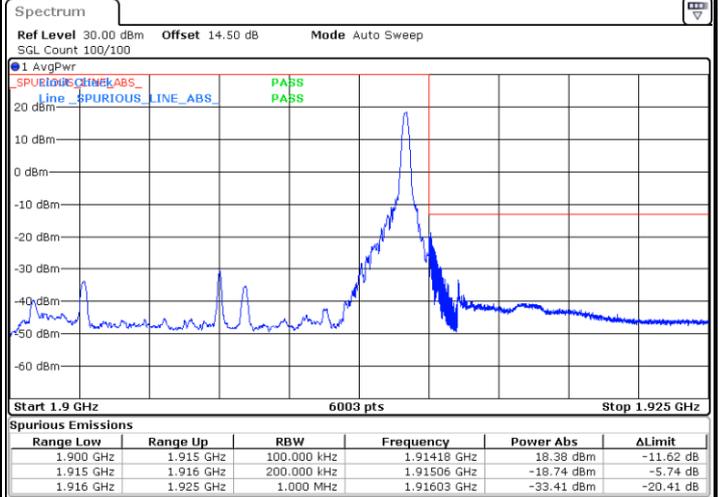
LTE Band 25 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



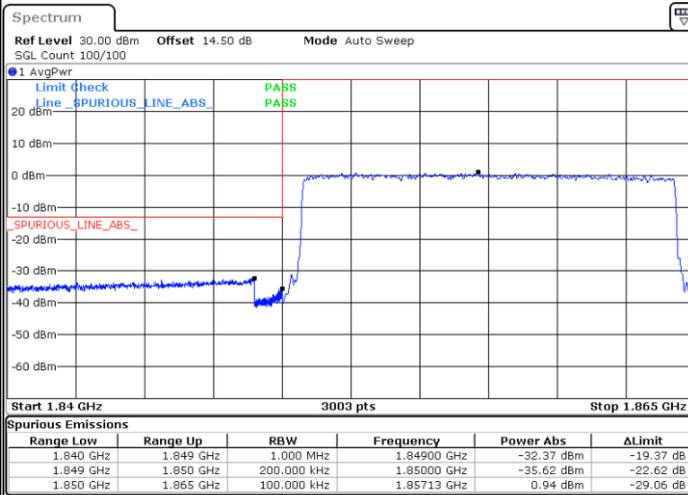
Date: 10 JUN 2025 15:43:50

Highest Band Edge / 1 RB



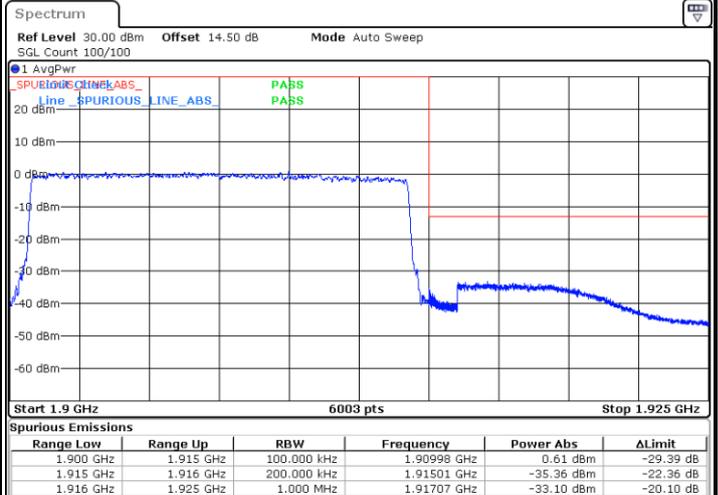
Date: 10 JUN 2025 15:50:15

Lowest Band Edge / Full RB



Date: 10 JUN 2025 15:44:20

Highest Band Edge / Full RB

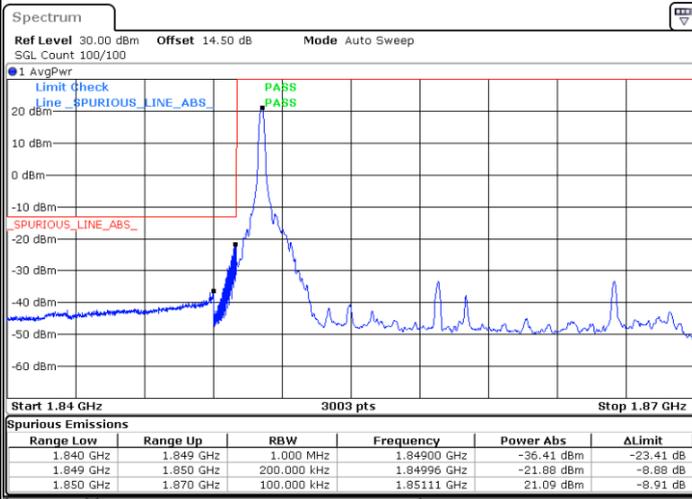


Date: 10 JUN 2025 15:50:46



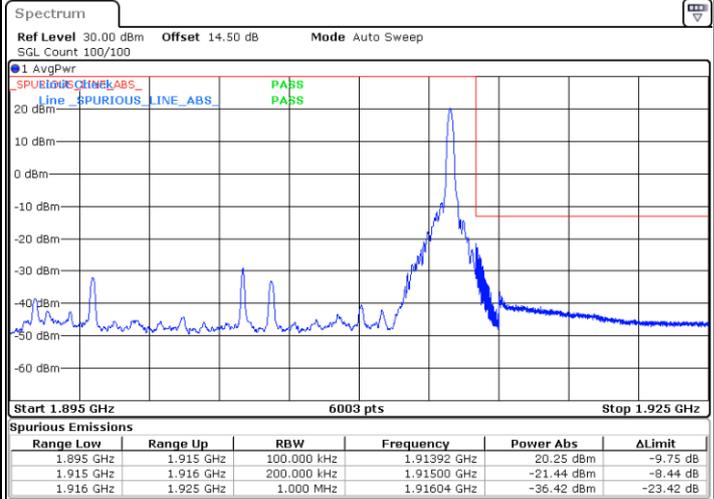
LTE Band 25 / 20MHz / QPSK

Lowest Band Edge / 1RB



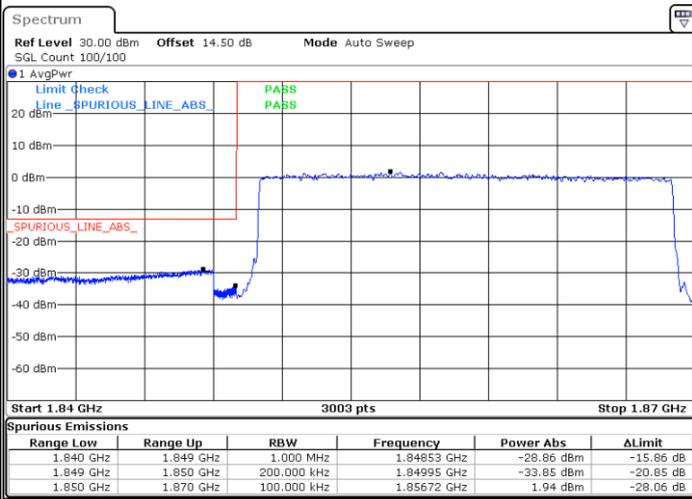
Date: 10. JUN. 2025 15:54:01

Highest Band Edge / 1RB



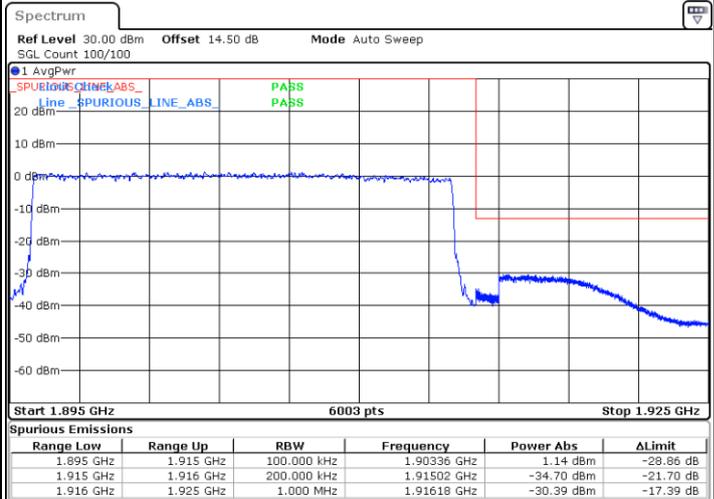
Date: 10. JUN. 2025 16:01:48

Lowest Band Edge / Full RB



Date: 10. JUN. 2025 15:56:34

Highest Band Edge / Full RB



Date: 10. JUN. 2025 16:04:21