



FCC RF Test Report

APPLICANT : Veea Inc.
EQUIPMENT : Wireless Edge Server
BRAND NAME : VeeaHub
MODEL NAME : VHC25-5G
FCC ID : 2ARXK-VHC25-5G
STANDARD : 47 CFR Part 22(H), 24(E), 27(L), 27(H), 27(F), 27(N), 27(M)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Jul. 23, 2024 ~ Aug. 06, 2024

This product installed a RF module (Brand Name: Quectel, Model Name: RM520N-GL, FCC ID: XMR2022RM520NGL) during the test, only Conducted Power, ERP/EIRP and RSE test items are tested in this report, all the other test results are leveraged from module RF report.

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.

Jason Jia

Approved by: Jason Jia



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
FG452231B	Rev. 01	Initial issue of report	Sep. 18, 2024



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	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)	ERP < 3 Watt		-
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)	EIRP < 2Watt		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		-
-	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	1
-	§2.1049	Occupied Bandwidth	-	Report Only	1
-	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2)(4) §27.53(g) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	1/2
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)	§27.53(m)(4)		
-	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(g) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	1
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log ₁₀ (P[Watts])		
-	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	1
	§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(f) §27.53(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 20.53 dB at 1559.500 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log ₁₀ (P[Watts])		

Remark 1: All test results were leveraged from module RF report which can refer to Report No "SEWA2204000008RG01".

Remark 2: LTE B26 power is greater than the module, so LTE B26 validates the conducted Band-Edge test item.

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/manufacture 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

Veea Inc.

164 E 83rd Street, NEW YORK, United States 10028

1.2 Manufacturer

Veea Inc.

164 E 83rd Street, NEW YORK, United States 10028

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Wireless Edge Server
Brand Name	VeeaHub
Model Name	VHC25-5G
FCC ID	2ARXK-VHC25-5G
IMEI Code	Radiation: 868371051683288
HW Version	1.0
SW Version	2.33.1-0.mfg.alpha.4.0.7
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 824 MHz ~ 849 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz LTE Band 71 : 663 MHz ~ 698 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz



	LTE Band 17 : 734 MHz ~ 746 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz LTE Band 26 : 869 MHz ~ 894 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 66 : 2110 MHz~ 2200 MHz LTE Band 71: 617 MHz ~ 652 MHz
Bandwidth	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 7 : 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 23.42 dBm LTE Band 2C : 23.30 dBm LTE Band 4 : 23.56 dBm LTE Band 5 : 23.92 dBm LTE Band 5B : 23.82 dBm LTE Band 7 : 23.86 dBm LTE Band 7C : 23.76 dBm LTE Band 12 : 23.81 dBm LTE Band 13 : 23.57 dBm LTE Band 17 : 23.80 dBm LTE Band 25 : 23.51 dBm LTE Band 26 : 23.84 dBm LTE Band 38 : 23.86 dBm LTE Band 38C : 23.79 dBm LTE Band 41 : 25.62 dBm LTE Band 41C : 25.61 dBm LTE Band 66 : 23.64 dBm LTE Band 66B : 23.62 dBm LTE Band 66C : 23.61 dBm LTE Band 71 : 23.75 dBm
Antenna Gain	ANT 0: LTE Band 2 : 3.48 dBi LTE Band 4 : 2.26 dBi LTE Band 5 : 1.32 dBi LTE Band 7 : 2.32 dBi LTE Band 12 : 1.78 dBi LTE Band 13 : 1.95 dBi LTE Band 17 : 1.78 dBi LTE Band 25 : 3.55 dBi LTE Band 26 : 1.47 dBi LTE Band 38 : 1.98 dBi LTE Band 41 : 2.35 dBi LTE Band 66 : 2.45 dBi LTE Band 71 : 1.54 dBi



Antenna Type	PIFA Antenna
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Remark: LTE B41 support Power class 2.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP Power

LTE Band 2		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
1.4	1850.7 ~ 1909.3	0.4775	0.3811
3	1851.5 ~ 1908.5	0.4775	0.3855
5	1852.5 ~ 1907.5	0.4831	0.3846
10	1855.0 ~ 1905.0	0.4775	0.3802
15	1857.5 ~ 1902.5	0.1831	0.3864
20	1860.0 ~ 1900.0	0.4898	0.3936

LTE Band 4		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
1.4	1710.7 ~ 1754.3	0.3767	0.3013
3	1711.5 ~ 1753.5	0.3715	0.2999
5	1712.5 ~ 1752.5	0.3758	0.2992
10	1715.0 ~ 1750.0	0.3793	0.3020
15	1717.5 ~ 1747.5	0.3776	0.3013
20	1720.0 ~ 1745.0	0.3819	0.3048

LTE Band 5		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)
1.4	824.7 ~ 848.3	0.2000	0.1560
3	825.5 ~ 847.5	0.1977	0.1574
5	826.5 ~ 846.5	0.2028	0.1535
10	829.0 ~ 844.0	0.2037	0.1581



LTE Band 7		QPSK	16QAM/64QAM/256QAMB
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
5	2502.5 ~ 2567.5	0.4121	0.3357
10	2505.0 ~ 2565.0	0.4140	0.3350
15	2507.5 ~ 2562.5	0.4055	0.3373
20	2510.0 ~ 2560.0	0.4150	0.3396

LTE Band 12		QPSK	16QAM/64QAM/256QAMB
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)
1.4	699.7 ~ 715.3	0.2128	0.1726
3	700.5 ~ 714.5	0.2183	0.1791
5	701.5 ~ 713.5	0.2178	0.1742
10	704.0 ~ 711.0	0.2208	0.1795

LTE Band 13		QPSK	16QAM/64QAM/256QAMB
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)
5	779.5 ~ 784.5	0.2143	0.1726
10	782.0	0.2173	0.1758

LTE Band 17		QPSK	16QAM/64QAM/256QAMB
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)
5	706.5 ~ 713.5	0.2193	0.1675
10	709.0 ~ 711.0	0.2203	0.1722

LTE Band 25		QPSK	16QAM/64QAM/256QAMB
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
1.4	1850.7 ~ 1914.3	0.4797	0.3873
3	1851.5 ~ 1913.5	0.4932	0.3963
5	1852.5 ~ 1912.5	0.4932	0.3990
10	1855.0 ~ 1910.0	0.5023	0.3945
15	1857.5 ~ 1907.5	0.4920	0.3954
20	1860.0 ~ 1905.0	0.5082	0.3999



LTE Band 26		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)
1.4	824.7 ~ 848.3	0.2014	0.1626
3	825.5 ~ 847.5	0.2056	0.1626
5	826.5 ~ 846.5	0.2051	0.1644
10	829.0 ~ 844.0	0.2032	0.1626
15	831.5 ~ 841.5	0.2070	0.1660
CH26790	824.0	0.2028	0.1622

LTE Band 38		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
5	2572.5 ~ 2617.5	0.3793	0.2931
10	2575.0 ~ 2615.0	0.3733	0.2965
15	2577.5 ~ 2612.5	0.3811	0.2958
20	2580.0 ~ 2610.0	0.3837	0.3013

LTE Band 41		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
5	2498.5 ~ 2687.5	0.6209	0.5152
10	2501.0 ~ 2685.0	0.6252	0.5200
15	2503.5 ~ 2682.5	0.6209	0.5224
20	2506.0 ~ 2680.0	0.6266	0.5272

LTE Band 66		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
1.4	1710.7 ~ 1779.3	0.3899	0.3041
3	1711.5 ~ 1778.5	0.4046	0.3119
5	1712.5 ~ 1777.5	0.4055	0.3155
10	1715.0 ~ 1775.0	0.4036	0.3083
15	1717.5 ~ 1772.5	0.4046	0.3097
20	1720.0 ~ 1770.0	0.4064	0.3170



LTE Band 71		QPSK	16QAM/64QAM/256QAM
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Maximum ERP(W)
5	665.5 ~ 695.5	0.2023	0.1603
10	668.0 ~ 693.0	0.2023	0.1578
15	670.5 ~ 690.5	0.2018	0.1618
20	673.0 ~ 688.0	0.2061	0.1633

LTE Band CA_2C		QPSK	16QAM/64QAM/256QAM
BW (MHz)		Maximum EIRP(W)	Maximum EIRP(W)
5MHz+20MHz		0.4645	0.3724
10MHz+15MHz		0.4667	0.3639
10MHz+20MHz		0.4742	0.3724
15MHz+10MHz		0.4677	0.3681
15MHz+15MHz		0.4742	0.3741
15MHz+20MHz		0.4753	0.3681
20MHz+5MHz		0.4645	0.3698
20MHz+10MHz		0.4613	0.3707
20MHz+15MHz		0.4677	0.3681
20MHz+20MHz		0.4764	0.3811

LTE Band CA_5B		QPSK	16QAM/64QAM/256QAM
BW (MHz)		Maximum ERP(W)	Maximum ERP(W)
3MHz+5MHz		0.1928	0.1560
5MHz+3MHz		0.1954	0.1578
5MHz+10MHz		0.1986	0.1563
10MHz+5MHz		0.1968	0.1570
10MHz+10MHz		0.1991	0.1585

LTE Band CA_7C		QPSK	16QAM/64QAM/256QAM
BW (MHz)		Maximum EIRP(W)	Maximum EIRP(W)
10MHz+20MHz		0.3855	0.3289
15MHz+15MHz		0.3819	0.3258
15MHz+20MHz		0.3846	0.3258
15MHz+10MHz		0.3882	0.3251
20MHz+10MHz		0.3837	0.3258
20MHz+15MHz		0.3908	0.3258
20MHz+20MHz		0.4055	0.3319



LTE Band CA_66B	QPSK	16QAM/64QAM/256QAM
BW (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
5MHz+5MHz	0.3999	0.3083
5MHz+10MHz	0.3963	0.3119
5MHz+15MHz	0.4046	0.3126
10MHz+5MHz	0.3954	0.3097
15MHz+5MHz	0.3945	0.3069
10MHz+10MHz	0.3999	0.3148

LTE Band CA_66C	QPSK	16QAM/64QAM/256QAM
BW (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
5MHz+20MHz	0.3963	0.3083
10MHz+15MHz	0.3981	0.3097
10MHz+20MHz	0.3999	0.3076
15MHz+10MHz	0.3936	0.3097
15MHz+15MHz	0.3936	0.3162
15MHz+20MHz	0.3981	0.3148
20MHz+5MHz	0.3945	0.3105
20MHz+10MHz	0.3945	0.3069
20MHz+15MHz	0.3990	0.3155
20MHz+20MHz	0.4036	0.3192

LTE Band CA_38C	QPSK	16QAM/64QAM/256QAM
BW (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
15MHz+15MHz	0.3733	0.2877
20MHz+20MHz	0.3776	0.2972

LTE Band CA_41C	QPSK	16QAM/64QAM/256QAM
BW (MHz)	Maximum EIRP(W)	Maximum EIRP(W)
5MHz+20MHz	0.6252	0.5188
10MHz+20MHz	0.6067	0.5105
10MHz+15MHz	0.6166	0.5152
15MHz+15MHz	0.6180	0.5164
15MHz+20MHz	0.6223	0.5188
15MHz+10MHz	0.6152	0.5152
20MHz+5MHz	0.6209	0.5152
20MHz+10MHz	0.6209	0.5140
20MHz+15MHz	0.6124	0.5129
20MHz+20MHz	0.6223	0.5212

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.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	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		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH03-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24al



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), 27(H) , 27(F), 27(N) , 27(M)
- ♦ 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. (X-plane)

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
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	17	-	-	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
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	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
	71	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Conducted Band Edge	26	v	v	v	v	v	-	v	v	v		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
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	17	-	-	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
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	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
	71	-	-	v	v	v	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
Radiated Spurious Emission	7	Worst Case													v		
	12	Worst Case													v		
	13	Worst Case													v		
	25	Worst Case													v		
	26	Worst Case													v		
	41	Worst Case													v		
	66	Worst Case													v		
	71	Worst Case													v		
Note	1. The mark “v” means that this configuration is chosen for testing 2. The mark “-” means that this bandwidth is not supported. 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. 4. 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. 5. 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. 6. 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. 7. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17. 8. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.																

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v	v	v	v	v
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v	v	v	v	v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
E.I.R.P.	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v	v	v	v	v
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v	v	v	v	v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	7C_CA	Worst Case																		v	
	38C_CA	Worst Case																		v	
	41C_CA	Worst Case																		v	
Note	1. The mark "v " means that this configuration is chosen for testing 2. The mark "- " means that this bandwidth is not supported. 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.																				

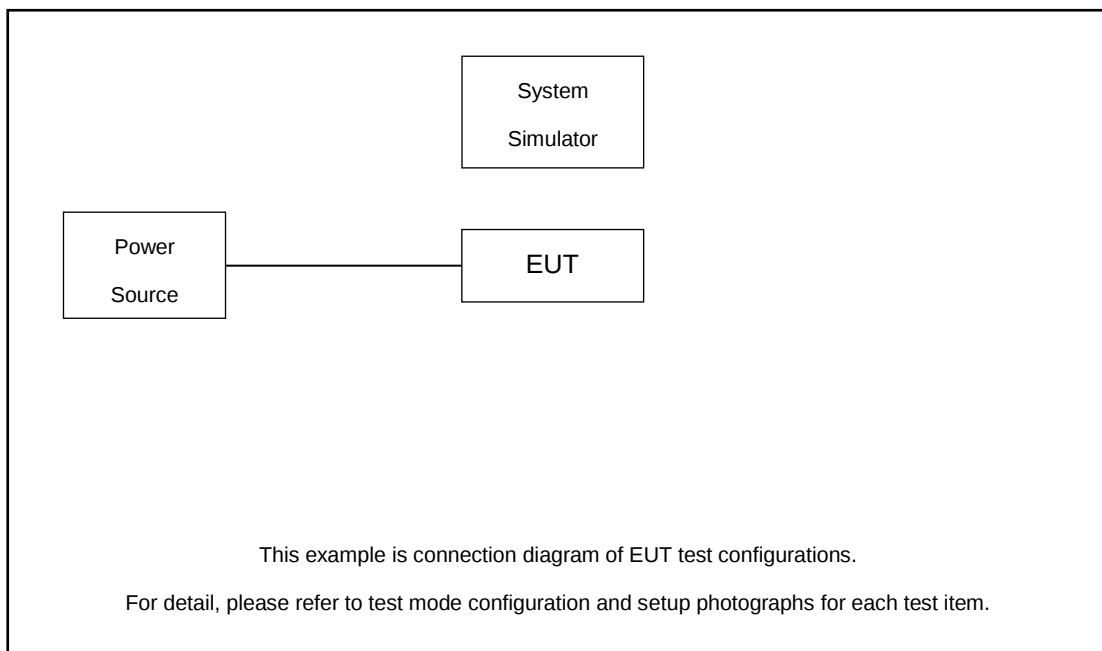


Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	20+10	20+5	15+20	15+15	15+10	10+20	10+15	5+20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	2C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
E.I.R.P.	2C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	2C_CA	Worst Case																		v	
Note	1. The mark “v “ means that this configuration is chosen for testing 2. 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. 3. All test items are based on engineering evaluation.																				

Test Items	Band	Bandwidth (MHz)								Modulation				RB #			Test Channel		
		10+10	15+5	5+15	10+5	5+10	5+5	5+3	3+5	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	5B_CA	v	-	-	v	v	-	v	v	v	v	v	v	v	v	v	v	v	v
	66B_CA	v	v	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
E.I.R.P.	5B_CA	v	-	-	v	v	-	v	v	v	v	v	v	v	v	v	v	v	v
	66B_CA	v	v	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	5B_CA	Worst Case																v	
	66B_CA	Worst Case																v	
Note	1. The mark “v” means that this configuration is chosen for testing 2. The mark “-” means that this bandwidth is not supported. 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. 4. All test items are based on engineering evaluation.																		

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	20+10	20+5	15+20	15+15	15+10	10+20	10+15	5+20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	66C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v
E.I.R.P.	66C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	66C_CA	Worst Case																		v	
Note	1. The mark “v ” means that this configuration is chosen for testing 2. 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. 3. All test items are based on engineering evaluation.																				

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.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m



2.4 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 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3



LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

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 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5



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

LTE Band 71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	133222	133322	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133272	133422
	Frequency	668.0	678.0	693.0
5	Channel	133147	133247	133447
	Frequency	665.5	675.5	695.5



LTE Band 2C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 20	PCC	Channel	18633	18808	18983
		Frequency	1853.3	1870.8	1888.3
	SCC	Channel	18750	18925	19100
		Frequency	1865	1882.5	1900
20 + 5	PCC	Channel	18700	18875	19050
		Frequency	1860	1877.5	1895
	SCC	Channel	18817	18992	19167
		Frequency	1871.7	1889.2	1906.7
10 + 20	PCC	Channel	18655	18806	18956
		Frequency	1855.5	1870.6	1885.6
	SCC	Channel	18799	18950	19100
		Frequency	1869.9	1885	1900
20 + 10	PCC	Channel	18700	18851	19001
		Frequency	1860	1875.1	1890.1
	SCC	Channel	18844	18995	19145
		Frequency	1874.4	1889.5	1904.5
10 + 15	PCC	Channel	18653	18829	19005
		Frequency	1855.3	1872.9	1890.5
	SCC	Channel	18773	18949	19125
		Frequency	1867.3	1884.9	1902.5
15 + 10	PCC	Channel	18675	18851	19027
		Frequency	1857.5	1875.1	1892.7
	SCC	Channel	18795	18971	19147
		Frequency	1869.5	1887.1	1904.7
15 + 15	PCC	Channel	18675	18825	18975
		Frequency	1857.5	1872.5	1887.5
	SCC	Channel	18825	18975	19125
		Frequency	1872.5	1887.5	1902.5
15 + 20	PCC	Channel	18678	18803	18929
		Frequency	1857.8	1870.3	1882.9
	SCC	Channel	18849	18974	19100
		Frequency	1874.9	1887.4	1900
20 + 15	PCC	Channel	18700	18826	18951
		Frequency	1860	1872.6	1885.1
	SCC	Channel	18871	18997	19122
		Frequency	1877.1	1889.7	1902.2
20 + 20	PCC	Channel	18700	18801	18902
		Frequency	1860	1870.1	1880.2
	SCC	Channel	18898	18999	19100
		Frequency	1879.8	1889.9	1900



LTE Band 5B_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
3 + 5	PCC	Channel	20416	20501	20586
		Frequency	825.6	834.1	842.6
	SCC	Channel	20455	20540	20625
		Frequency	829.5	838.0	846.5
5 + 3	PCC	Channel	20425	20510	20595
		Frequency	826.5	835.0	843.5
	SCC	Channel	20464	20549	20634
		Frequency	830.4	838.9	847.4
5 + 10	PCC	Channel	20428	20478	20528
		Frequency	826.8	831.8	836.8
	SCC	Channel	20500	20550	20600
		Frequency	834	839	844
10 + 5	PCC	Channel	20450	20500	20550
		Frequency	829	834	839
	SCC	Channel	20522	20572	20622
		Frequency	836.2	841.2	846.2
10 + 10	PCC	Channel	20450	20476	20501
		Frequency	829	831.6	834.1
	SCC	Channel	20549	20575	20600
		Frequency	838.9	841.5	844



LTE Band 7C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	20850	21001	21152
		Frequency	2510.0	2525.1	2540.2
	SCC	Channel	21048	21199	21350
		Frequency	2529.8	2544.9	2560.0
20 + 15	PCC	Channel	20850	21026	21201
		Frequency	2510.0	2527.6	2545.1
	SCC	Channel	21021	21197	21372
		Frequency	2527.1	2544.7	2562.2
15 + 20	PCC	Channel	20828	21003	21179
		Frequency	2507.8	2525.3	2542.9
	SCC	Channel	20999	21174	21350
		Frequency	2524.9	2542.4	2560.0
20 + 10	PCC	Channel	20850	21051	21251
		Frequency	2510.0	2530.1	2550.1
	SCC	Channel	20994	21195	21395
		Frequency	2524.4	2544.5	2564.5
10 + 20	PCC	Channel	20805	21006	21206
		Frequency	2505.5	2525.6	2545.6
	SCC	Channel	20949	21150	21350
		Frequency	2519.9	2540.0	2560.0
15 + 15	PCC	Channel	20825	21025	21225
		Frequency	2507.5	2527.5	2547.5
	SCC	Channel	20975	21175	21375
		Frequency	2522.5	2542.5	2562.5
15 + 10	PCC	Channel	20825	21051	21277
		Frequency	2507.5	2530.1	2552.7
	SCC	Channel	20945	21171	21397
		Frequency	2519.5	2542.1	2564.7



LTE Band 38C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	37850	37901	37952
		Frequency	2580.0	2585.1	2590.2
	SCC	Channel	38048	38099	38150
		Frequency	2599.8	2604.9	2610.0
15+ 15	PCC	Channel	37825	37925	38025
		Frequency	2577.5	2587.5	2597.5
	SCC	Channel	37975	38075	38175
		Frequency	2592.5	2602.5	2612.5

LTE Band 41C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0



LTE Band 41C_CA Channel and Frequency List					
20 + 5	PCC	Channel	39750	40595	41440
		Frequency	2506.0	2590.5	2675.0
	SCC	Channel	39867	40712	41557
		Frequency	2517.7	2602.2	2686.7
5 + 20	PCC	Channel	39683	40528	41373
		Frequency	2499.3	2583.8	2668.3
	SCC	Channel	39800	40645	41490
		Frequency	2511.0	2595.5	2680.0
15 + 15	PCC	Channel	39725	40545	41365
		Frequency	2503.5	2585.5	2667.5
	SCC	Channel	39875	40695	41515
		Frequency	2518.5	2600.5	2682.5
10 + 15	PCC	Channel	39703	40549	41395
		Frequency	2501.3	2585.9	2670.5
	SCC	Channel	39823	40669	41515
		Frequency	2513.3	2597.9	2682.5
15 + 10	PCC	Channel	39725	40571	41417
		Frequency	2503.5	2588.1	2672.7
	SCC	Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7



LTE Band 66B_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 5	PCC	Channel	131997	132398	132599
		Frequency	1712.5	1752.6	1772.7
	SCC	Channel	132045	132446	132647
		Frequency	1717.3	1757.4	1777.5
5 + 10	PCC	Channel	132000	132375	132550
		Frequency	1712.8	1750.3	1767.8
	SCC	Channel	132072	132447	132622
		Frequency	1720	1757.5	1775
10 + 5	PCC	Channel	132022	132397	132572
		Frequency	1715	1752.5	1770
	SCC	Channel	132094	132469	132644
		Frequency	1722.2	1759.7	1777.2
5 + 15	PCC	Channel	132002	132353	132504
		Frequency	1713	1748.1	1763.2
	SCC	Channel	132095	132446	132597
		Frequency	1722.3	1757.4	1772.5
15 + 5	PCC	Channel	132047	132398	132549
		Frequency	1717.5	1752.6	1767.7
	SCC	Channel	132140	132491	132642
		Frequency	1726.8	1761.9	1777
10 + 10	PCC	Channel	132022	132373	132523
		Frequency	1715	1750.1	1765.1
	SCC	Channel	132121	132472	132622
		Frequency	1724.9	1760	1775



LTE Band 66C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 15	PCC	Channel	132025	132351	132477
		Frequency	1715.3	1747.9	1760.5
	SCC	Channel	132145	132471	132597
		Frequency	1727.3	1759.9	1772.5
15 + 10	PCC	Channel	132047	132373	132499
		Frequency	1717.5	1750.1	1762.7
	SCC	Channel	132167	132493	132619
		Frequency	1729.5	1762.1	1774.7
10 + 20	PCC	Channel	132027	132328	132428
		Frequency	1715.5	1745.6	1755.6
	SCC	Channel	132171	132472	132572
		Frequency	1729.9	1760	1770
20 + 10	PCC	Channel	132072	132373	132473
		Frequency	1720	1750.1	1760.1
	SCC	Channel	132216	132517	132617
		Frequency	1734.4	1764.5	1774.5
15 + 15	PCC	Channel	132047	132347	132447
		Frequency	1717.5	1747.5	1757.5
	SCC	Channel	132197	132497	132597
		Frequency	1732.5	1762.5	1772.5
15 + 20	PCC	Channel	132050	132325	132401
		Frequency	1717.8	1745.3	1752.9
	SCC	Channel	132221	132496	132572
		Frequency	1734.9	1762.4	1770
20 + 15	PCC	Channel	132072	132348	132423
		Frequency	1720	1747.6	1755.1
	SCC	Channel	132243	132519	132594
		Frequency	1737.1	1764.7	1772.2
20 + 5	PCC	Channel	132072	132397	132522
		Frequency	1720	1752.5	1765
	SCC	Channel	132189	132514	132639
		Frequency	1731.7	1764.2	1776.7
5 + 20	PCC	Channel	132005	132330	132455
		Frequency	1713.3	1745.8	1758.3
	SCC	Channel	132122	132447	132572
		Frequency	1725	1757.5	1770
20 + 20	PCC	Channel	132072	132323	132374
		Frequency	1720	1745.1	1750.2
	SCC	Channel	132270	132521	132572
		Frequency	1739.8	1764.9	1770

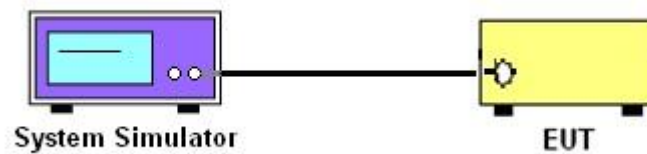
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.3 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 ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13 and Band 17 and Band 71.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and Band 38 and Band 41.

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

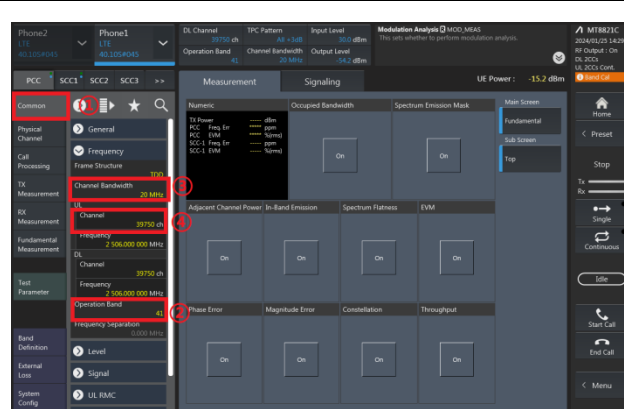
3.4.2 Test Procedures

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.

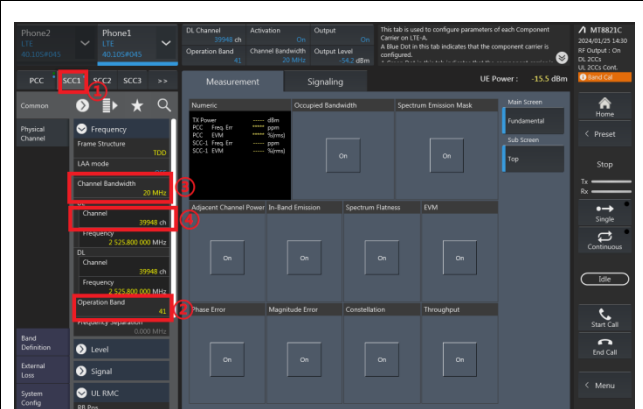
3.4.3 Test Procedures for LTE ULCA

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter PCC & SCC output ports were connected to the system simulator.
3. Set EUT at maximum power, set the PCC/SCC CA band, channel, bandwidth and RB config.

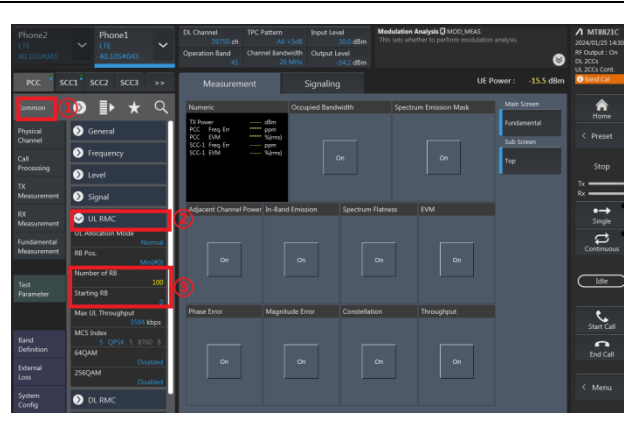
PCC config_ (Channel Bandwidth / Channel / Band)



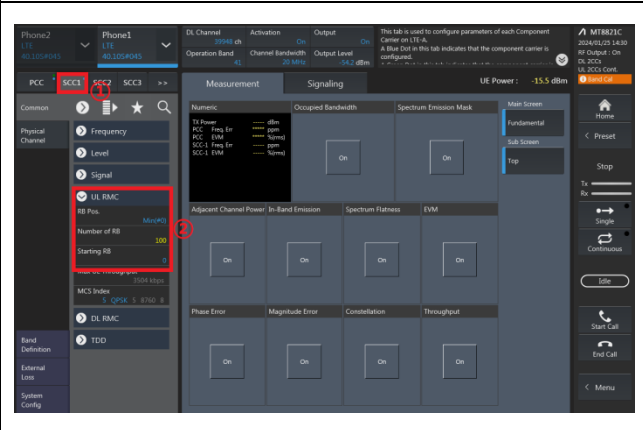
SCC config_ (Channel Bandwidth / Channel / Band)



PCC config_ (Number of RB / Starting RB)

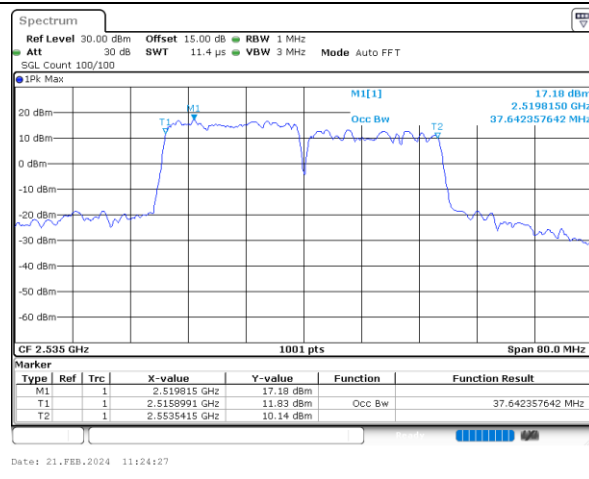


SCC config_ (Number of RB / Starting RB)

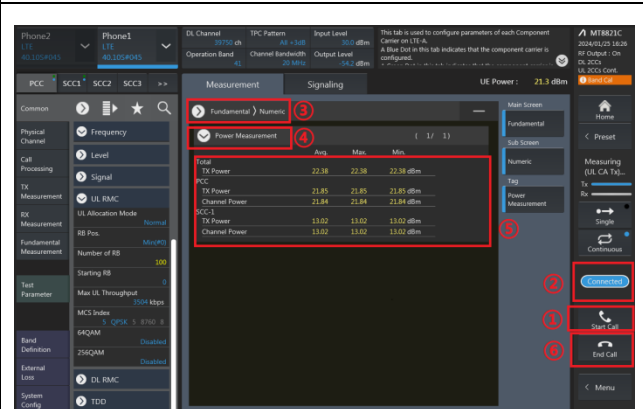


4. Select lowest, middle, and highest channels for each ULCA band and different modulation.
5. Check the ULCA spectrum and record the total power from the system simulator.

Check the ULCA spectrum (eg. 20M+20M)



Read the Total UL CA output power (PCC+SCC)



3.5 Conducted Band Edge

3.5.1 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.

3.5.2 Test Procedures

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

Example:

The limit line is derived from $43 + 10\log(P)\text{dB}$ below the transmitter power $P(\text{Watts})$

$$= P(\text{W}) - [43 + 10\log(P)] (\text{dB})$$

$$= [30 + 10\log(P)] (\text{dBm}) - [43 + 10\log(P)] (\text{dB}) = -13\text{dBm}.$$

14. 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.

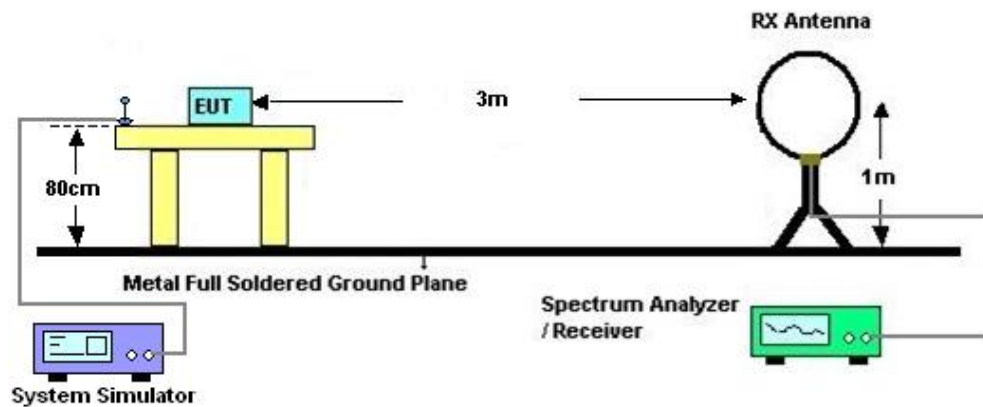
4 Radiated Test Items

4.1 Measuring Instruments

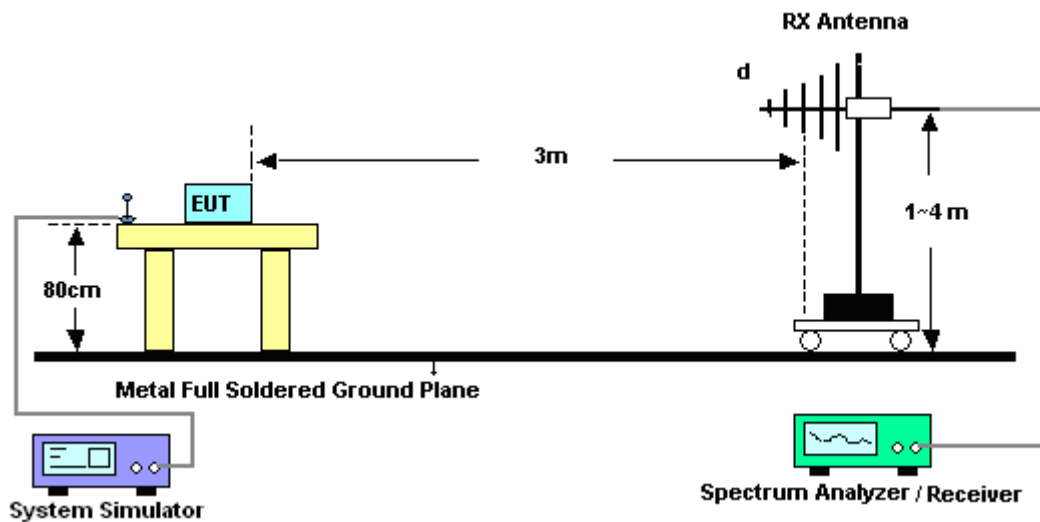
See list of measuring instruments of this test report.

4.2 Test Setup

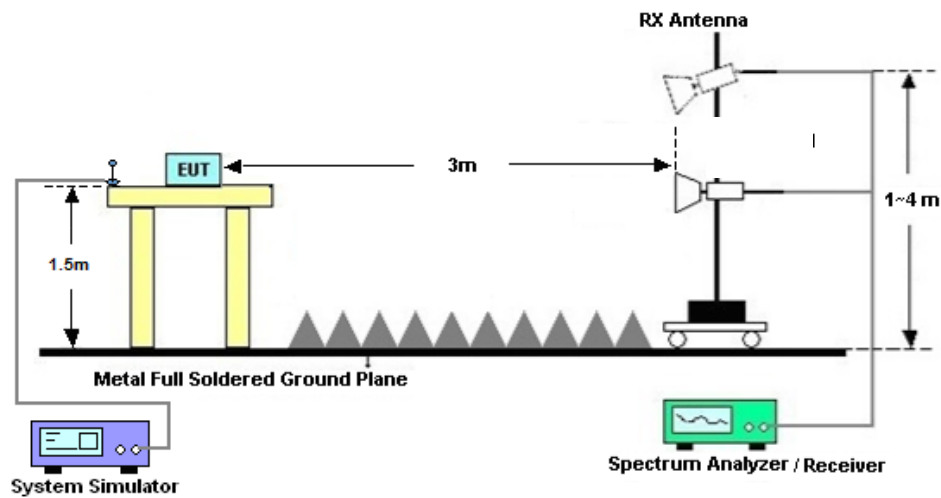
4.2.1 For radiated test below 30MHz



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.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

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)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

13. For Band 7, 38, 41:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



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. 09, 2024	Jul. 31, 2024~ Aug. 06, 2025	Apr. 08, 2025	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2023	Jul. 31, 2024~ Aug. 06, 2025	Dec. 24, 2024	Conducted (TH01-SZ)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Jul. 31, 2024~ Aug. 06, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 09, 2024	Jul. 23, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 29, 2023	Jul. 23, 2024	Dec. 28, 2024	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 09, 2024	Jul. 23, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz~2GHz	Aug. 20, 2023	Jul. 23, 2024	Aug. 19, 2025	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 09, 2024	Jul. 23, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 18, 2023	Jul. 23, 2024	Oct. 17, 2024	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 03, 2024	Jul. 23, 2024	Jul. 02, 2025	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Jul. 23, 2024	Apr. 08, 2025	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 27, 2023	Jul. 23, 2024	Dec. 26, 2024	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Oct. 18, 2023	Jul. 23, 2024	Oct. 17, 2024	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jul. 23, 2024	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jul. 23, 2024	NCR	Radiation (03CH03-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 Bandedge	± 2.22 dB
Conducted Power	± 1.34 dB

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	± 3.0 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	± 3.6 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	± 3.8 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Khan Zhen	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and ERP/EIRP

LTE Band 2:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	23.42	23.33	23.26	0.4898	0.4797	0.4721
20	QPSK	1	49	23.31	23.24	23.11	0.4775	0.4699	0.4560
20	QPSK	1	99	23.33	23.29	23.20	0.4797	0.4753	0.4656
20	QPSK	50	0	22.52	22.42	22.33	0.3981	0.3890	0.3811
20	QPSK	50	24	22.45	22.32	22.21	0.3917	0.3802	0.3707
20	QPSK	50	50	22.51	22.32	22.21	0.3972	0.3802	0.3707
20	QPSK	100	0	22.51	22.34	22.34	0.3972	0.3819	0.3819
20	16QAM	1	0	22.47	22.41	22.32	0.3936	0.3882	0.3802
20	64QAM	1	0	21.28	21.36	21.27	0.2992	0.3048	0.2985
20	256QAM	1	0	18.53	18.45	18.34	0.1589	0.1560	0.1521
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H
15	QPSK	1	0	23.36	23.26	23.21	0.4831	0.4721	0.4667
15	16QAM	1	0	22.39	22.36	22.27	0.3864	0.3837	0.3758
Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	23.29	23.31	23.17	0.4753	0.4775	0.4624
10	16QAM	1	0	22.32	22.26	22.22	0.3802	0.3750	0.3715
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	23.36	23.28	23.16	0.4831	0.4742	0.4613
5	16QAM	1	0	22.36	22.37	22.31	0.3837	0.3846	0.3793
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	23.31	23.24	23.15	0.4775	0.4699	0.4603
3	16QAM	1	0	22.32	22.38	22.31	0.3802	0.3855	0.3793
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	23.31	23.23	23.13	0.4775	0.4688	0.4581
1.4	16QAM	1	0	22.33	22.26	22.27	0.3811	0.3750	0.3758



LTE Band 4:

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	23.51	23.46	23.56	0.3776	0.3733	0.3819
20	QPSK	1	49	23.46	23.38	23.43	0.3733	0.3664	0.3707
20	QPSK	1	99	23.39	23.42	23.43	0.3673	0.3698	0.3707
20	QPSK	50	0	22.69	22.65	22.75	0.3126	0.3097	0.3170
20	QPSK	50	24	22.59	22.60	22.70	0.3055	0.3062	0.3133
20	QPSK	50	50	22.65	22.54	22.74	0.3097	0.3020	0.3162
20	QPSK	100	0	22.66	22.57	22.70	0.3105	0.3041	0.3133
20	16QAM	1	0	22.54	22.47	22.58	0.3020	0.2972	0.3048
20	64QAM	1	0	21.60	21.59	21.74	0.2432	0.2427	0.2512
20	256QAM	1	0	18.53	18.45	18.56	0.1199	0.1178	0.1208
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	23.46	23.45	23.51	0.3733	0.3724	0.3776
15	16QAM	1	0	22.51	22.40	22.53	0.2999	0.2924	0.3013
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	23.48	23.33	23.53	0.3750	0.3622	0.3793
10	16QAM	1	0	22.51	22.43	22.54	0.2999	0.2944	0.3020
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	23.47	23.43	23.49	0.3741	0.3707	0.3758
5	16QAM	1	0	22.50	22.46	22.44	0.2992	0.2965	0.2951
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	23.36	23.41	23.44	0.3648	0.3690	0.3715
3	16QAM	1	0	22.46	22.34	22.51	0.2965	0.2884	0.2999
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	23.50	23.32	23.45	0.3767	0.3614	0.3724
1.4	16QAM	1	0	22.53	22.44	22.46	0.3013	0.2951	0.2965


LTE Band 5:

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	23.75	23.70	23.92	0.1959	0.1936	0.2037
10	QPSK	1	25	23.73	23.67	23.83	0.1950	0.1923	0.1995
10	QPSK	1	49	23.66	23.67	23.82	0.1919	0.1923	0.1991
10	QPSK	25	0	22.79	22.74	22.97	0.1570	0.1552	0.1637
10	QPSK	25	12	22.76	22.62	22.95	0.1560	0.1510	0.1629
10	QPSK	25	25	22.64	22.63	22.94	0.1517	0.1514	0.1626
10	QPSK	50	0	22.71	22.61	22.94	0.1542	0.1507	0.1626
10	16QAM	1	0	22.78	22.66	22.82	0.1567	0.1524	0.1581
10	64QAM	1	0	21.66	21.71	21.93	0.1211	0.1225	0.1288
10	256QAM	1	0	18.88	18.96	19.06	0.0638	0.0650	0.0665
Channel				20425	20525	20625	ERP(W)		
Frequency (MHz)				826.5	836.5	846.5	L	M	H
5	QPSK	1	0	23.65	23.64	23.90	0.1914	0.1910	0.2028
5	16QAM	1	0	22.67	22.55	22.69	0.1528	0.1486	0.1535
Channel				20415	20525	20635	ERP(W)		
Frequency (MHz)				825.5	836.5	847.5	L	M	H
3	QPSK	1	0	23.71	23.65	23.79	0.1941	0.1914	0.1977
3	16QAM	1	0	22.76	22.61	22.80	0.1560	0.1507	0.1574
Channel				20407	20525	20643	ERP(W)		
Frequency (MHz)				824.7	836.5	848.3	L	M	H
1.4	QPSK	1	0	23.55	23.50	23.84	0.1871	0.1849	0.2000
1.4	16QAM	1	0	22.74	22.52	22.76	0.1552	0.1476	0.1560



LTE Band 7:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20850	20850	21350			
Frequency (MHz)				2510	2535	2560	L	M	H
20	QPSK	1	0	23.86	23.61	23.74	0.4150	0.3917	0.4036
20	QPSK	1	49	23.83	23.53	23.61	0.4121	0.3846	0.3917
20	QPSK	1	99	23.74	23.56	23.67	0.4036	0.3873	0.3972
20	QPSK	50	0	23.03	22.79	22.79	0.3428	0.3243	0.3243
20	QPSK	50	24	22.96	22.69	22.77	0.3373	0.3170	0.3228
20	QPSK	50	50	22.90	22.65	22.68	0.3327	0.3141	0.3162
20	QPSK	100	0	23.00	22.69	22.66	0.3404	0.3170	0.3148
20	16QAM	1	0	22.99	22.75	22.67	0.3396	0.3214	0.3155
20	64QAM	1	0	21.98	21.77	21.86	0.2692	0.2564	0.2618
20	256QAM	1	0	19.09	18.88	18.84	0.1384	0.1318	0.1306
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	23.76	23.54	23.66	0.4055	0.3855	0.3963
15	16QAM	1	0	22.96	22.69	22.58	0.3373	0.3170	0.3090
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	23.85	23.55	23.64	0.4140	0.3864	0.3945
10	16QAM	1	0	22.93	22.74	22.64	0.3350	0.3206	0.3133
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	23.83	23.49	23.64	0.4121	0.3811	0.3945
5	16QAM	1	0	22.94	22.71	22.57	0.3357	0.3184	0.3083



LTE Band 12:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23060	23095	23130			
Frequency (MHz)				704	707.5	711	L	M	H
10	QPSK	1	0	23.81	23.66	23.71	0.2208	0.2133	0.2158
10	QPSK	1	25	23.71	23.65	23.63	0.2158	0.2128	0.2118
10	QPSK	1	49	23.72	23.57	23.63	0.2163	0.2089	0.2118
10	QPSK	25	0	22.95	22.78	22.75	0.1811	0.1742	0.1730
10	QPSK	25	12	22.90	22.66	22.73	0.1791	0.1694	0.1722
10	QPSK	25	25	22.83	22.75	22.63	0.1762	0.1730	0.1683
10	QPSK	50	0	22.90	22.66	22.69	0.1791	0.1694	0.1706
10	16QAM	1	0	22.91	22.80	22.77	0.1795	0.1750	0.1738
10	64QAM	1	0	21.78	21.62	21.54	0.1384	0.1334	0.1309
10	256QAM	1	0	18.78	18.66	18.73	0.0693	0.0675	0.0685
Channel				23035	23095	23155	ERP(W)		
Frequency (MHz)				701.5	707.5	713.5	L	M	H
5	QPSK	1	0	23.75	23.59	23.56	0.2178	0.2099	0.2084
5	16QAM	1	0	22.78	22.74	22.66	0.1742	0.1726	0.1694
Channel				23025	23095	23165	ERP(W)		
Frequency (MHz)				700.5	707.5	714.5	L	M	H
3	QPSK	1	0	23.76	23.56	23.68	0.2183	0.2084	0.2143
3	16QAM	1	0	22.90	22.67	22.69	0.1791	0.1698	0.1706
Channel				23017	23095	23173	ERP(W)		
Frequency (MHz)				699.7	707.5	715.3	L	M	H
1.4	QPSK	1	0	23.65	23.45	23.47	0.2128	0.2032	0.2042
1.4	16QAM	1	0	22.74	22.63	22.58	0.1726	0.1683	0.1663



LTE Band 13:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23230					
Frequency (MHz)				782				M	
10	QPSK	1	0		23.57			0.2173	
10	QPSK	1	25		23.43			0.2104	
10	QPSK	1	49		23.53			0.2153	
10	QPSK	25	0		22.66			0.1762	
10	QPSK	25	12		22.52			0.1706	
10	QPSK	25	25		22.51			0.1702	
10	QPSK	50	0		22.57			0.1726	
10	16QAM	1	0		22.65			0.1758	
10	64QAM	1	0		21.75			0.1429	
10	256QAM	1	0		18.78			0.0721	
Channel				23205	23230	23255	ERP(W)		
Frequency (MHz)				779.5	782	784.5	L	M	H
5	QPSK	1	0	23.46	23.51	23.44	0.2118	0.2143	0.2109
5	16QAM	1	0	22.57	22.52	22.56	0.1726	0.1706	0.1722


LTE Band 17:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711	L	M	H
10	QPSK	1	0	23.66	23.80	23.78	0.2133	0.2203	0.2193
10	QPSK	1	25	23.59	23.79	23.66	0.2099	0.2198	0.2133
10	QPSK	1	49	23.52	23.75	23.69	0.2065	0.2178	0.2148
10	QPSK	25	0	22.74	22.79	22.75	0.1726	0.1746	0.1730
10	QPSK	25	12	22.62	22.71	22.64	0.1679	0.1714	0.1687
10	QPSK	25	25	22.60	22.65	22.73	0.1671	0.1690	0.1722
10	QPSK	50	0	22.71	22.71	22.70	0.1714	0.1714	0.1710
10	16QAM	1	0	22.73	22.71	22.68	0.1722	0.1714	0.1702
10	64QAM	1	0	20.75	20.84	20.78	0.1091	0.1114	0.1099
10	256QAM	1	0	18.68	18.72	18.74	0.0678	0.0684	0.0687
Channel				23755	23790	23825	ERP(W)		
Frequency (MHz)				706.5	710	713.5	L	M	H
5	QPSK	1	0	23.51	23.78	23.71	0.2061	0.2193	0.2158
5	16QAM	1	0	22.59	22.59	22.61	0.1667	0.1667	0.1675



LTE Band 25:

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	23.42	23.51	23.44	0.4977	0.5082	0.5000
20	QPSK	1	49	23.36	23.46	23.40	0.4909	0.5023	0.4955
20	QPSK	1	99	23.31	23.39	23.38	0.4853	0.4943	0.4932
20	QPSK	50	0	22.47	22.61	22.51	0.3999	0.4130	0.4036
20	QPSK	50	24	22.39	22.53	22.49	0.3926	0.4055	0.4018
20	QPSK	50	50	22.42	22.48	22.49	0.3954	0.4009	0.4018
20	QPSK	100	0	22.46	22.52	22.46	0.3990	0.4046	0.3990
20	16QAM	1	0	22.46	22.47	22.45	0.3990	0.3999	0.3981
20	64QAM	1	0	21.53	21.61	21.57	0.3221	0.3281	0.3251
20	256QAM	1	0	18.33	18.55	18.50	0.1542	0.1622	0.1603
Channel				26115	26340	26615	EIRP(W)		
Frequency (MHz)				1857.5	1880	1907.5	L	M	H
15	QPSK	1	0	23.32	23.37	23.32	0.4864	0.4920	0.4864
15	16QAM	1	0	22.42	22.33	22.30	0.3954	0.3873	0.3846
Channel				26090	26340	26640	EIRP(W)		
Frequency (MHz)				1855	1880	1910	L	M	H
10	QPSK	1	0	23.37	23.46	23.31	0.4920	0.5023	0.4853
10	16QAM	1	0	22.33	22.41	22.31	0.3873	0.3945	0.3855
Channel				26065	26340	26665	EIRP(W)		
Frequency (MHz)				1852.5	1880	1912.5	L	M	H
5	QPSK	1	0	23.31	23.38	23.30	0.4853	0.4932	0.4842
5	16QAM	1	0	22.31	22.46	22.43	0.3855	0.3990	0.3963
Channel				26055	26340	26675	EIRP(W)		
Frequency (MHz)				1851.5	1880	1913.5	L	M	H
3	QPSK	1	0	23.35	23.38	23.38	0.4898	0.4932	0.4932
3	16QAM	1	0	22.43	22.33	22.42	0.3963	0.3873	0.3954
Channel				26047	26340	26683	EIRP(W)		
Frequency (MHz)				1850.7	1880	1914.3	L	M	H
1.4	QPSK	1	0	23.08	23.26	23.18	0.4603	0.4797	0.4710
1.4	16QAM	1	0	22.33	22.18	22.07	0.3873	0.3741	0.3648



LTE Band 26:

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				200	75	-337.5	-750				
Frequency (MHz)				10	82.5	41.25	0	Straddle Ch	L	M	H
15	QPSK	1	0	23.75	23.80	23.79	23.84	0.2028	0.2051	0.2046	0.2070
15	QPSK	1	37	-	23.71	23.65	23.80	-	0.2009	0.1982	0.2051
15	QPSK	1	74	23.63	23.67	23.70	23.69	0.1972	0.1991	0.2004	0.2000
15	QPSK	36	0	-	22.90	22.87	23.00	-	0.1667	0.1656	0.1706
15	QPSK	36	20	-	22.84	22.72	22.86	-	0.1644	0.1600	0.1652
15	QPSK	36	39	-	22.86	22.84	22.96	-	0.1652	0.1644	0.1690
15	QPSK	75	0	22.68	22.80	22.84	22.98	0.1585	0.1629	0.1644	0.1698
15	16QAM	1	0	22.78	22.88	22.83	22.85	0.1622	0.1660	0.1641	0.1648
15	64QAM	1	0	21.76	21.90	21.92	21.98	0.1282	0.1324	0.1330	0.1349
15	256QAM	1	0	18.81	18.94	18.86	19.07	0.0650	0.0670	0.0658	0.0690
Channel					50	-337.5	-725		ERP(W)		
Frequency (MHz)					80	41.25	2.5		L	M	H
10	QPSK	1	0		23.69	23.66	23.76		0.2000	0.1986	0.2032
10	16QAM	1	0		22.79	22.79	22.71		0.1626	0.1626	0.1596
Channel					25	-337.5	-700		ERP(W)		
Frequency (MHz)					77.5	41.25	5		L	M	H
5	QPSK	1	0		23.75	23.75	23.80		0.2028	0.2028	0.2051
5	16QAM	1	0		22.80	22.69	22.84		0.1629	0.1589	0.1644
Channel					25	-337.5	-690		ERP(W)		
Frequency (MHz)					76.5	41.25	6		L	M	H
3	QPSK	1	0		23.71	23.69	23.81		0.2009	0.2000	0.2056
3	16QAM	1	0		22.79	22.75	22.76		0.1626	0.1611	0.1614
Channel					7	-337.5	-682		ERP(W)		
Frequency (MHz)					75.7	41.25	6.8		L	M	H
1.4	QPSK	1	0		23.48	23.72	23.52		0.1905	0.2014	0.1923
1.4	16QAM	1	0		22.79	22.56	22.62		0.1626	0.1542	0.1563



LTE Band 38:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	L	M	H
20	QPSK	1	0	23.80	23.86	23.72	0.3784	0.3837	0.3715
20	QPSK	1	49	23.71	23.83	23.71	0.3707	0.3811	0.3707
20	QPSK	1	99	23.67	23.76	23.60	0.3673	0.3750	0.3614
20	QPSK	50	0	22.84	22.87	22.73	0.3034	0.3055	0.2958
20	QPSK	50	24	22.70	22.82	22.70	0.2938	0.3020	0.2938
20	QPSK	50	50	22.72	22.82	22.61	0.2951	0.3020	0.2877
20	QPSK	100	0	22.72	22.84	22.68	0.2951	0.3034	0.2924
20	16QAM	1	0	22.72	22.81	22.71	0.2951	0.3013	0.2944
20	64QAM	1	0	21.79	21.84	21.77	0.2382	0.2410	0.2371
20	256QAM	1	0	18.89	18.87	18.73	0.1222	0.1216	0.1178
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	23.65	23.83	23.57	0.3656	0.3811	0.3589
15	16QAM	1	0	22.71	22.73	22.65	0.2944	0.2958	0.2904
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	23.72	23.74	23.70	0.3715	0.3733	0.3698
10	16QAM	1	0	22.70	22.74	22.63	0.2938	0.2965	0.2891
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	23.76	23.81	23.70	0.3750	0.3793	0.3698
5	16QAM	1	0	22.60	22.69	22.68	0.2871	0.2931	0.2924



LTE Band 41:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				39750	40620	41490			
Frequency (MHz)				2506	2593	2680	L	M	H
20	QPSK	1	0	25.60	25.62	25.31	0.6237	0.6266	0.5834
20	QPSK	1	49	25.53	25.47	25.27	0.6138	0.6053	0.5781
20	QPSK	1	99	25.58	25.49	25.16	0.6209	0.6081	0.5636
20	QPSK	50	0	24.89	24.90	24.55	0.5297	0.5309	0.4898
20	QPSK	50	24	24.86	24.80	24.53	0.5260	0.5188	0.4875
20	QPSK	50	50	24.76	24.78	24.49	0.5140	0.5164	0.4831
20	QPSK	100	0	24.78	24.80	24.45	0.5164	0.5188	0.4786
20	16QAM	1	0	24.85	24.87	24.54	0.5248	0.5272	0.4887
20	64QAM	1	0	23.88	23.95	23.63	0.4198	0.4266	0.3963
20	256QAM	1	0	20.74	20.81	20.40	0.2037	0.2070	0.1884
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	25.58	25.57	25.27	0.6209	0.6194	0.5781
15	16QAM	1	0	24.77	24.83	24.49	0.5152	0.5224	0.4831
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	25.51	25.61	25.25	0.6109	0.6252	0.5754
10	16QAM	1	0	24.81	24.74	24.42	0.5200	0.5117	0.4753
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	25.58	25.47	25.22	0.6209	0.6053	0.5715
5	16QAM	1	0	24.77	24.74	24.49	0.5152	0.5117	0.4831



LTE Band 66:

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	23.52	23.62	23.64	0.3954	0.4046	0.4064
20	QPSK	1	49	23.46	23.47	23.51	0.3899	0.3908	0.3945
20	QPSK	1	99	23.49	23.51	23.54	0.3926	0.3945	0.3972
20	QPSK	50	0	22.51	22.64	22.68	0.3133	0.3228	0.3258
20	QPSK	50	24	22.40	22.59	22.62	0.3055	0.3192	0.3214
20	QPSK	50	50	22.38	22.53	22.67	0.3041	0.3148	0.3251
20	QPSK	100	0	22.43	22.57	22.62	0.3076	0.3177	0.3214
20	16QAM	1	0	22.50	22.51	22.56	0.3126	0.3133	0.3170
20	64QAM	1	0	21.55	21.61	21.65	0.2512	0.2547	0.2570
20	256QAM	1	0	18.47	18.55	18.58	0.1236	0.1259	0.1268
Channel				132047	132322	132597	EIRP(W)		
Frequency (MHz)				1717.5	1745	1772.5	L	M	H
15	QPSK	1	0	23.49	23.51	23.62	0.3926	0.3945	0.4046
15	16QAM	1	0	22.45	22.36	22.46	0.3090	0.3027	0.3097
Channel				132022	132322	132622	EIRP(W)		
Frequency (MHz)				1715	1745	1775	L	M	H
10	QPSK	1	0	23.38	23.61	23.52	0.3828	0.4036	0.3954
10	16QAM	1	0	22.36	22.44	22.41	0.3027	0.3083	0.3062
Channel				131997	132322	132647	EIRP(W)		
Frequency (MHz)				1712.5	1745	1777.5	L	M	H
5	QPSK	1	0	23.51	23.47	23.63	0.3945	0.3908	0.4055
5	16QAM	1	0	22.44	22.49	22.54	0.3083	0.3119	0.3155
Channel				131987	132322	132657	EIRP(W)		
Frequency (MHz)				1711.5	1745	1778.5	L	M	H
3	QPSK	1	0	23.47	23.55	23.62	0.3908	0.3981	0.4046
3	16QAM	1	0	22.49	22.41	22.42	0.3119	0.3062	0.3069
Channel				131979	132322	132665	EIRP(W)		
Frequency (MHz)				1710.7	1745	1779.3	L	M	H
1.4	QPSK	1	0	23.37	23.46	23.36	0.3819	0.3899	0.3811
1.4	16QAM	1	0	22.38	22.34	22.37	0.3041	0.3013	0.3034



LTE Band 71:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				133222	133322	133372			
Frequency (MHz)				673	683	688	L	M	H
20	QPSK	1	0	23.65	23.75	23.72	0.2014	0.2061	0.2046
20	QPSK	1	49	23.52	23.62	23.66	0.1954	0.2000	0.2018
20	QPSK	1	99	23.58	23.63	23.61	0.1982	0.2004	0.1995
20	QPSK	50	0	22.69	22.80	22.75	0.1614	0.1656	0.1637
20	QPSK	50	24	22.55	22.77	22.64	0.1563	0.1644	0.1596
20	QPSK	50	50	22.65	22.70	22.63	0.1600	0.1618	0.1592
20	QPSK	100	0	22.59	22.75	22.69	0.1578	0.1637	0.1614
20	16QAM	1	0	22.56	22.74	22.71	0.1567	0.1633	0.1622
20	64QAM	1	0	21.75	21.76	21.81	0.1300	0.1303	0.1318
20	256QAM	1	0	18.59	18.75	18.68	0.0628	0.0652	0.0641
Channel				133197	133297	133397	EIRP(W)		
Frequency (MHz)				670.5	680.5	690.5	L	M	H
15	QPSK	1	0	23.61	23.66	23.64	0.1995	0.2018	0.2009
15	16QAM	1	0	22.44	22.62	22.70	0.1524	0.1589	0.1618
Channel				133172	133272	133422	EIRP(W)		
Frequency (MHz)				668	678	693	L	M	H
10	QPSK	1	0	23.64	23.67	23.61	0.2009	0.2023	0.1995
10	16QAM	1	0	22.49	22.59	22.58	0.1542	0.1578	0.1574
Channel				133147	133247	133447	EIRP(W)		
Frequency (MHz)				665.5	675.5	695.5	L	M	H
5	QPSK	1	0	23.64	23.67	23.65	0.2009	0.2023	0.2014
5	16QAM	1	0	22.48	22.60	22.66	0.1538	0.1581	0.1603

**CA power and ERP/EIRP****LTE Band 2C:**

Combination 20MHz+20MHz (100RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	18700_18898	QPSK	1	Max	1	0	23.30	0.4764
M	18801_18999	QPSK	1	Max	1	0	23.14	0.4592
H	18902_19100	QPSK	1	Max	1	0	23.09	0.4539
L	18700_18898	16QAM	1	Max	1	0	22.26	0.3750
M	18801_18999	16QAM	1	Max	1	0	22.18	0.3681
H	18902_19100	16QAM	1	Max	1	0	22.33	0.3811
L	18700_18898	64QAM	1	Max	1	0	21.07	0.2851
M	18801_18999	64QAM	1	Max	1	0	21.15	0.2904
H	18902_19100	64QAM	1	Max	1	0	21.11	0.2877
L	18700_18898	256QAM	1	Max	1	0	18.34	0.1521
M	18801_18999	256QAM	1	Max	1	0	18.35	0.1524
H	18902_19100	256QAM	1	Max	1	0	18.30	0.1507
Combination 20MHz+15MHz (100RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	18826_18997	QPSK	1	Max	1	0	23.22	0.4677
H	18826_18997	16QAM	1	Max	1	0	22.18	0.3681
Combination 15MHz+20MHz (75RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	18803_18974	QPSK	1	Max	1	0	23.29	0.4753
H	18803_18974	16QAM	1	Max	1	0	22.18	0.3681
Combination 15MHz+15MHz (75RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	18825_18975	QPSK	1	Max	1	0	23.28	0.4742
H	18825_18975	16QAM	1	Max	1	0	22.25	0.3741
Combination 20MHz+10MHz (100RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	18851_18995	QPSK	1	Max	1	0	23.16	0.4613
H	18851_18995	16QAM	1	Max	1	0	22.21	0.3707
Combination 10MHz+20MHz (50RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	18806_18950	QPSK	1	Max	1	0	23.28	0.4742
H	18806_18950	16QAM	1	Max	1	0	22.23	0.3724
Combination 15MHz+10MHz (75RB+50RB)								
Channel		Modulation	PCC		SCC		Measured	EIRP(W)



			RB Size	RB offset	RB Size	RB offset		
L	18851_18971	QPSK	1	Max	1	0	23.22	0.4677
H	18851_18971	16QAM	1	Max	1	0	22.18	0.3681
Combination 10MHz+15MHz (50RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	18829_18949	QPSK	1	Max	1	0	23.21	0.4667
H	18829_18949	16QAM	1	Max	1	0	22.13	0.3639
Combination 20MHz+5MHz (100RB+25RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	18875_18992	QPSK	1	Max	1	0	23.19	0.4645
H	18875_18992	16QAM	1	Max	1	0	22.20	0.3698
Combination 5MHz+20MHz (25RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	18808_18925	QPSK	1	Max	1	0	23.19	0.4645
H	18808_18925	16QAM	1	Max	1	0	22.23	0.3724



LTE Band 5B:

Combination 10MHz+10MHz (50RB+50RB)									
Channel		Modulation	PCC		SCC		Measured Power	ERP(W)	
			RB Size	RB offset	RB Size	RB offset			
L	20450_20549	QPSK	1	Max	1	0	23.82	0.1991	
M	20476_20575	QPSK	1	Max	1	0	23.81	0.1986	
H	20501_20600	QPSK	1	Max	1	0	23.74	0.1954	
L	20450_20549	16QAM	1	Max	1	0	22.79	0.1570	
M	20476_20575	16QAM	1	Max	1	0	22.82	0.1581	
H	20501_20600	16QAM	1	Max	1	0	22.83	0.1585	
L	20450_20549	64QAM	1	Max	1	0	21.84	0.1262	
M	20476_20575	64QAM	1	Max	1	0	21.91	0.1282	
H	20501_20600	64QAM	1	Max	1	0	21.85	0.1265	
L	20450_20549	256QAM	1	Max	1	0	19.00	0.0656	
M	20476_20575	256QAM	1	Max	1	0	18.94	0.0647	
H	20501_20600	256QAM	1	Max	1	0	18.80	0.0627	
Combination 10MHz+5MHz (50RB+25RB)									
Channel		Modulation	PCC		SCC		Measured Power	ERP(W)	
			RB Size	RB offset	RB Size	RB offset			
L	20500_20572	QPSK	1	Max	1	0	23.77	0.1968	
H	20500_20572	16QAM	1	Max	1	0	22.79	0.1570	
Combination 5MHz+10MHz (25RB+50RB)									
Channel		Modulation	PCC		SCC		Measured Power	ERP(W)	
			RB Size	RB offset	RB Size	RB offset			
L	20478_20550	QPSK	1	Max	1	0	23.81	0.1986	
H	20478_20550	16QAM	1	Max	1	0	22.77	0.1563	
Combination 5MHz+3MHz (25RB+15RB)									
Channel		Modulation	PCC		SCC		Measured Power	ERP(W)	
			RB Size	RB offset	RB Size	RB offset			
L	20510_20549	QPSK	1	Max	1	0	23.74	0.1954	
H	20510_20549	16QAM	1	Max	1	0	22.81	0.1578	
Combination 3MHz+5MHz (15RB+25RB)									
Channel		Modulation	PCC		SCC		Measured Power	ERP(W)	
			RB Size	RB offset	RB Size	RB offset			
L	20501_20540	QPSK	1	Max	1	0	23.68	0.1928	
H	20501_20540	16QAM	1	Max	1	0	22.76	0.1560	



LTE Band 7C:

Combination 20MHz+20MHz (100RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	20850_21048	QPSK	1	Max	1	0	23.63	0.3936
M	21001_21199	QPSK	1	Max	1	0	23.76	0.4055
H	21152_21350	QPSK	1	Max	1	0	23.60	0.3908
L	20850_21048	16QAM	1	Max	1	0	22.89	0.3319
M	21001_21199	16QAM	1	Max	1	0	22.80	0.3251
H	21152_21350	16QAM	1	Max	1	0	22.83	0.3273
L	20850_21048	64QAM	1	Max	1	0	21.92	0.2655
M	21001_21199	64QAM	1	Max	1	0	21.93	0.2661
H	21152_21350	64QAM	1	Max	1	0	21.94	0.2667
L	20850_21048	256QAM	1	Max	1	0	19.00	0.1355
M	21001_21199	256QAM	1	Max	1	0	18.97	0.1346
H	21152_21350	256QAM	1	Max	1	0	18.93	0.1334
Combination 20MHz+15MHz (100RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
M	21026_21197	QPSK	1	Max	1	0	23.60	0.3908
L	21026_21197	16QAM	1	Max	1	0	22.81	0.3258
Combination 15MHz+20MHz (75RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
M	21003_21174	QPSK	1	Max	1	0	23.53	0.3846
L	21003_21174	16QAM	1	Max	1	0	22.81	0.3258
Combination 15MHz+15MHz (75RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
M	21025_21175	QPSK	1	Max	1	0	23.50	0.3819
L	21025_21175	16QAM	1	Max	1	0	22.81	0.3258
Combination 20MHz+10MHz (100RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
M	21051_21195	QPSK	1	Max	1	0	23.52	0.3837
L	21051_21195	16QAM	1	Max	1	0	22.81	0.3258
Combination 10MHz+20MHz (50RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
M	21006_21150	QPSK	1	Max	1	0	23.54	0.3855
L	21006_21150	16QAM	1	Max	1	0	22.85	0.3289
Combination 15MHz+10MHz (75RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
M	21051_21171	QPSK	1	Max	1	0	23.57	0.3882
L	21051_21171	16QAM	1	Max	1	0	22.80	0.3251

**LTE Band 38C:**

Combination 20MHz+20MHz (100RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	37850_38048	QPSK	1	Max	1	0	23.76	0.3750
M	37901_38099	QPSK	1	Max	1	0	23.79	0.3776
H	37952_38150	QPSK	1	Max	1	0	23.72	0.3715
L	37850_38048	16QAM	1	Max	1	0	22.75	0.2972
M	37901_38099	16QAM	1	Max	1	0	22.67	0.2917
H	37952_38150	16QAM	1	Max	1	0	22.70	0.2938
L	37850_38048	64QAM	1	Max	1	0	21.83	0.2404
M	37901_38099	64QAM	1	Max	1	0	21.91	0.2449
H	37952_38150	64QAM	1	Max	1	0	21.86	0.2421
L	37850_38048	256QAM	1	Max	1	0	18.73	0.1178
M	37901_38099	256QAM	1	Max	1	0	18.87	0.1216
H	37952_38150	256QAM	1	Max	1	0	18.69	0.1167
Combination 15MHz+15MHz (75RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
M	37925_38075	QPSK	1	Max	1	0	23.74	0.3733
L	37925_38075	16QAM	1	Max	1	0	22.61	0.2877



LTE Band 41C:

Combination 20MHz+20MHz (100RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	39750_39948	QPSK	1	Max	1	0	25.59	0.6223
M	40521_40719	QPSK	1	Max	1	0	25.38	0.5929
H	41292_41490	QPSK	1	Max	1	0	25.39	0.5943
L	39750_39948	16QAM	1	Max	1	0	24.82	0.5212
M	40521_40719	16QAM	1	Max	1	0	24.72	0.5093
H	41292_41490	16QAM	1	Max	1	0	24.71	0.5082
L	39750_39948	64QAM	1	Max	1	0	23.83	0.4150
M	40521_40719	64QAM	1	Max	1	0	23.77	0.4093
H	41292_41490	64QAM	1	Max	1	0	23.88	0.4198
L	39750_39948	256QAM	1	Max	1	0	20.76	0.2046
M	40521_40719	256QAM	1	Max	1	0	20.69	0.2014
H	41292_41490	256QAM	1	Max	1	0	20.69	0.2014
Combination 20MHz+15MHz (100RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	40546_40717	QPSK	1	Max	1	0	25.52	0.6124
L	40546_40717	16QAM	1	Max	1	0	24.75	0.5129
Combination 15MHz+20MHz (75RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	40523_40694	QPSK	1	Max	1	0	25.59	0.6223
L	40523_40694	16QAM	1	Max	1	0	24.80	0.5188
Combination 15MHz+15MHz (75RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	40545_40695	QPSK	1	Max	1	0	25.56	0.6180
L	40545_40695	16QAM	1	Max	1	0	24.78	0.5164
Combination 20MHz+10MHz (100RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	40571_40715	QPSK	1	Max	1	0	25.58	0.6209
L	40571_40715	16QAM	1	Max	1	0	24.76	0.5140
Combination 10MHz+20MHz (50RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	40526_40670	QPSK	1	Max	1	0	25.48	0.6067
L	40526_40670	16QAM	1	Max	1	0	24.73	0.5105
Combination 15MHz+10MHz (75RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	40571_40691	QPSK	1	Max	1	0	25.54	0.6152



L	40571_40691	16QAM	1	Max	1	0	24.77	0.5152
Combination 10MHz+15MHz (50RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	40549_40669	QPSK	1	Max	1	0	25.55	0.6166
L	40549_40669	16QAM	1	Max	1	0	24.77	0.5152
Combination 20MHz+5MHz (100RB+25RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	40595_40712	QPSK	1	Max	1	0	25.58	0.6209
L	40595_40712	16QAM	1	Max	1	0	24.77	0.5152
Combination 5MHz+20MHz (25RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	40528_40645	QPSK	1	Max	1	0	25.61	0.6252
L	40528_40645	16QAM	1	Max	1	0	24.80	0.5188



LTE Band 66B:

Combination 10MHz+10MHz (50RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132022_132121	QPSK	1	Max	1	0	23.57	0.3999
M	132373_132472	QPSK	1	Max	1	0	23.48	0.3917
H	132523_132622	QPSK	1	Max	1	0	23.45	0.3890
L	132022_132121	16QAM	1	Max	1	0	22.42	0.3069
M	132373_132472	16QAM	1	Max	1	0	22.50	0.3126
H	132523_132622	16QAM	1	Max	1	0	22.53	0.3148
L	132022_132121	64QAM	1	Max	1	0	21.63	0.2559
M	132373_132472	64QAM	1	Max	1	0	21.63	0.2559
H	132523_132622	64QAM	1	Max	1	0	21.64	0.2564
L	132022_132121	256QAM	1	Max	1	0	18.50	0.1245
M	132373_132472	256QAM	1	Max	1	0	18.58	0.1268
H	132523_132622	256QAM	1	Max	1	0	18.40	0.1216
Combination 15MHz+5MHz (75RB+25RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132398_132491	QPSK	1	Max	1	0	23.51	0.3945
H	132398_132491	16QAM	1	Max	1	0	22.42	0.3069
Combination 5MHz+15MHz (25RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132353_132446	QPSK	1	Max	1	0	23.62	0.4046
H	132353_132446	16QAM	1	Max	1	0	22.50	0.3126
Combination 10MHz+5MHz (50RB+25RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132397_132469	QPSK	1	Max	1	0	23.52	0.3954
H	132397_132469	16QAM	1	Max	1	0	22.46	0.3097
Combination 5MHz+10MHz (25RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132375_132447	QPSK	1	Max	1	0	23.53	0.3963
H	132375_132447	16QAM	1	Max	1	0	22.49	0.3119
Combination 5MHz+5MHz (25RB+25RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132398_132446	QPSK	1	Max	1	0	23.57	0.3999
H	132398_132446	16QAM	1	Max	1	0	22.44	0.3083



LTE Band 66C:

Combination 20MHz+20MHz (100RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132072_132270	QPSK	1	Max	1	0	23.61	0.4036
M	132323_132521	QPSK	1	Max	1	0	23.39	0.3837
H	132374_132572	QPSK	1	Max	1	0	23.41	0.3855
L	132072_132270	16QAM	1	Max	1	0	22.52	0.3141
M	132323_132521	16QAM	1	Max	1	0	22.53	0.3148
H	132374_132572	16QAM	1	Max	1	0	22.59	0.3192
L	132072_132270	64QAM	1	Max	1	0	21.59	0.2535
M	132323_132521	64QAM	1	Max	1	0	21.63	0.2559
H	132374_132572	64QAM	1	Max	1	0	21.54	0.2506
L	132072_132270	256QAM	1	Max	1	0	18.53	0.1253
M	132323_132521	256QAM	1	Max	1	0	18.61	0.1276
H	132374_132572	256QAM	1	Max	1	0	18.46	0.1233
Combination 20MHz+15MHz (100RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132348_132519	QPSK	1	Max	1	0	23.56	0.3990
H	132348_132519	16QAM	1	Max	1	0	22.54	0.3155
Combination 15MHz+20MHz (75RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132325_132496	QPSK	1	Max	1	0	23.55	0.3981
H	132325_132496	16QAM	1	Max	1	0	22.53	0.3148
Combination 15MHz+15MHz (75RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132347_132497	QPSK	1	Max	1	0	23.50	0.3936
H	132347_132497	16QAM	1	Max	1	0	22.55	0.3162
Combination 20MHz+10MHz (100RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132373_132517	QPSK	1	Max	1	0	23.51	0.3945
H	132373_132517	16QAM	1	Max	1	0	22.42	0.3069
Combination 10MHz+20MHz (50RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132328_132472	QPSK	1	Max	1	0	23.57	0.3999
H	132328_132472	16QAM	1	Max	1	0	22.43	0.3076
Combination 15MHz+10MHz (75RB+50RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132373_132493	QPSK	1	Max	1	0	23.50	0.3936



H	132373_132493	16QAM	1	Max	1	0	22.46	0.3097
Combination 10MHz+15MHz (50RB+75RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132351_132471	QPSK	1	Max	1	0	23.55	0.3981
H	132351_132471	16QAM	1	Max	1	0	22.46	0.3097
Combination 20MHz+5MHz (100RB+25RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132397_132514	QPSK	1	Max	1	0	23.51	0.3945
H	132397_132514	16QAM	1	Max	1	0	22.47	0.3105
Combination 5MHz+20MHz (25RB+100RB)								
Channel		Modulation	PCC		SCC		Measured Power	EIRP(W)
			RB Size	RB offset	RB Size	RB offset		
L	132330_132447	QPSK	1	Max	1	0	23.53	0.3963
H	132330_132447	16QAM	1	Max	1	0	22.44	0.3083

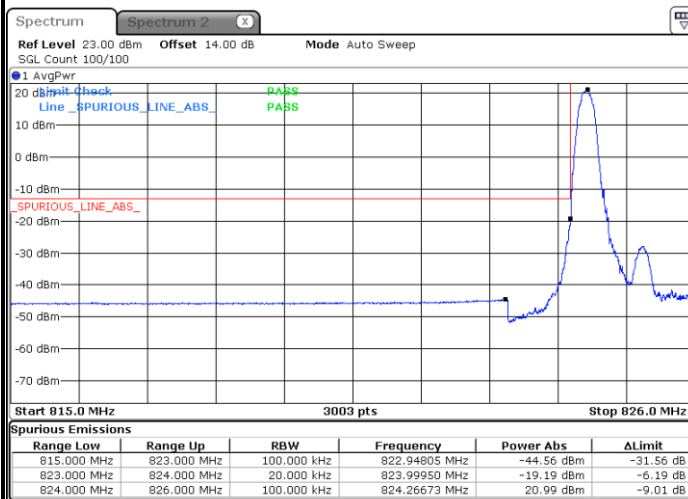


LTE Band 26_Part 22H

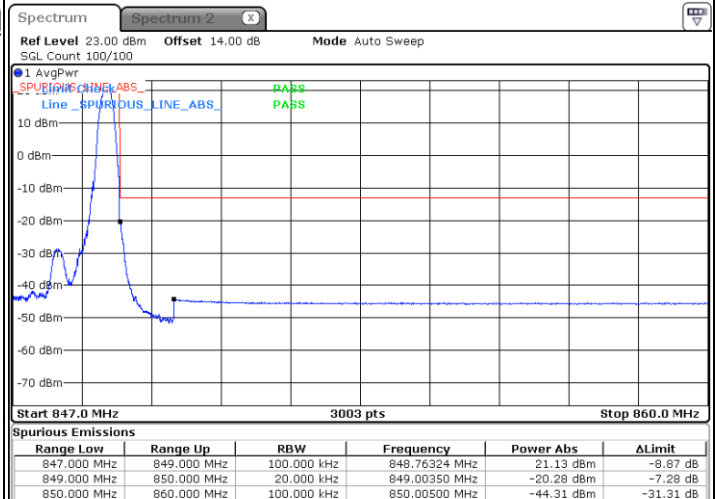
Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

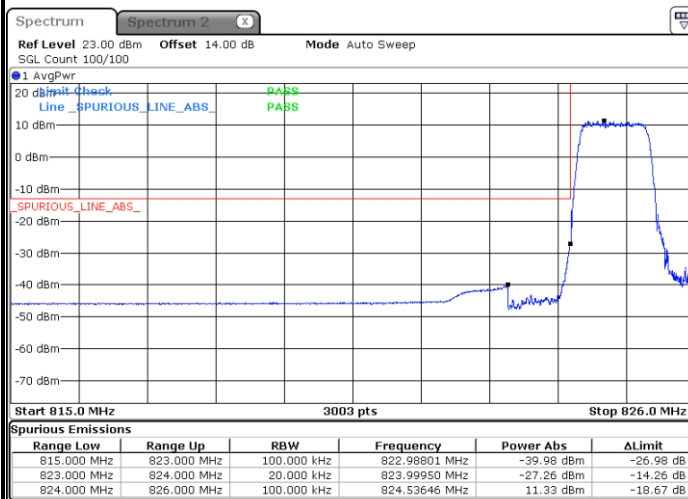
Lowest Band Edge / 1RB



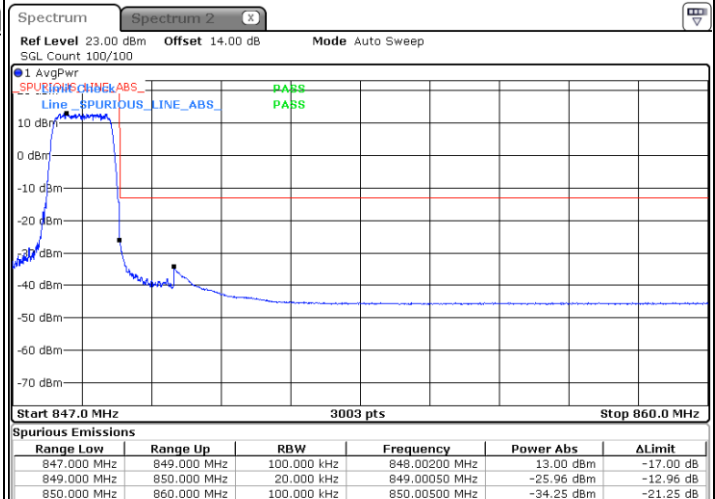
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



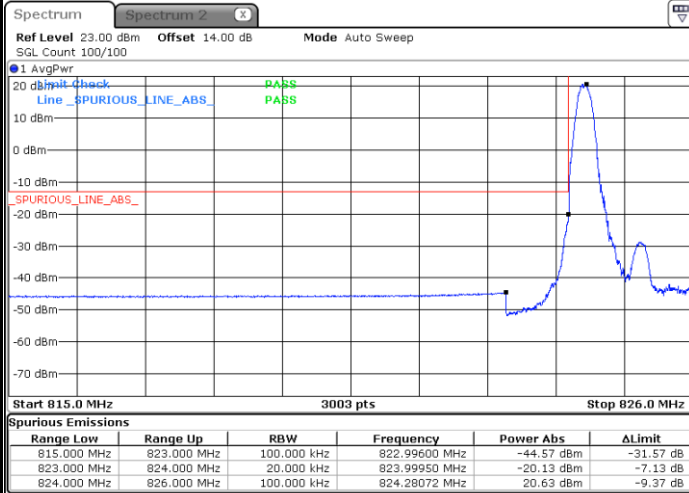
Highest Band Edge / Full RB



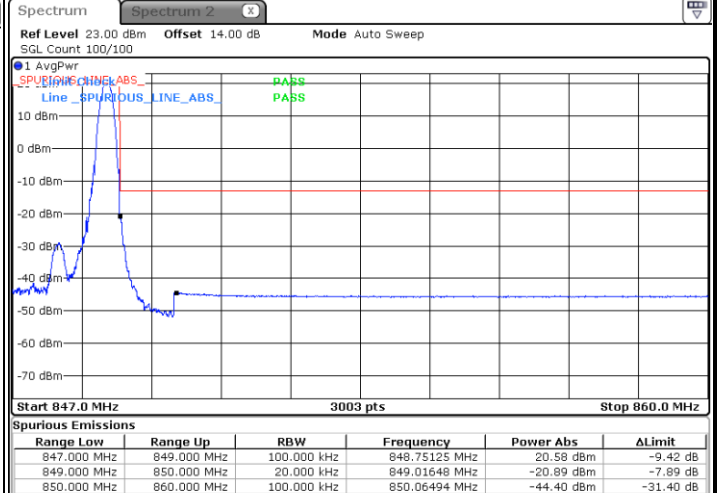


LTE Band 26 / 1.4MHz / 16QAM

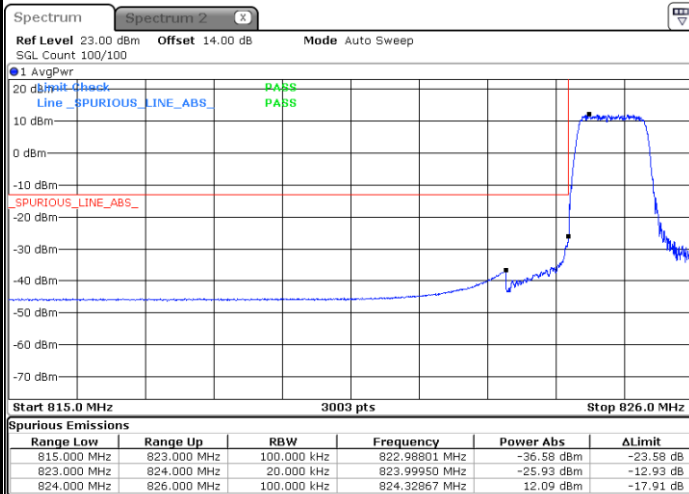
Lowest Band Edge / 1 RB



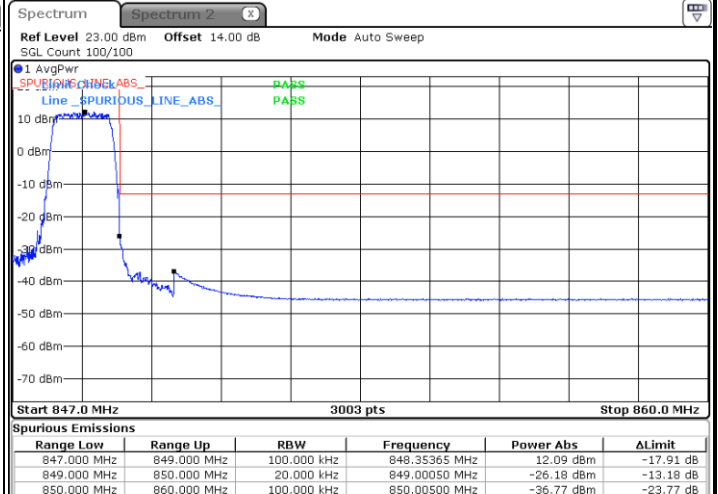
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



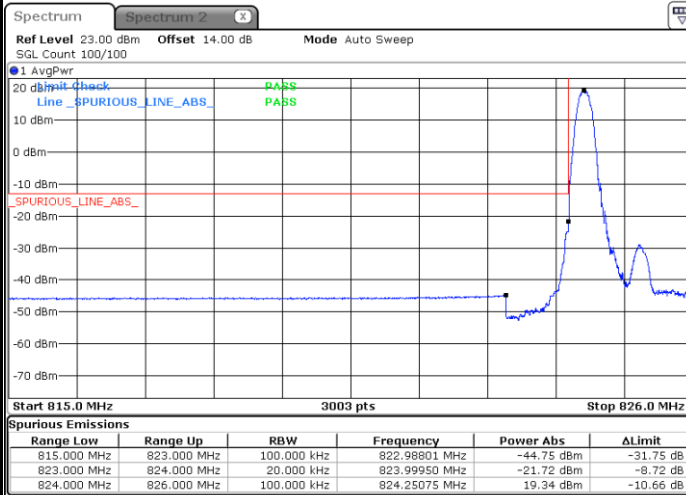
Highest Band Edge / Full RB



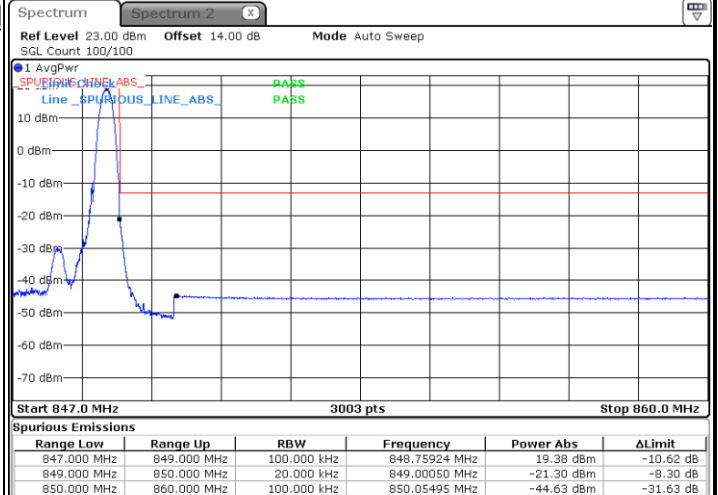


LTE Band 26 / 1.4MHz / 64QAM

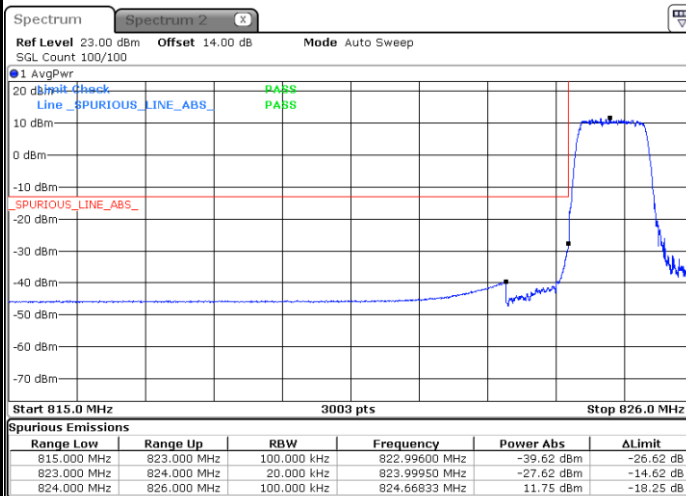
Lowest Band Edge / 1 RB



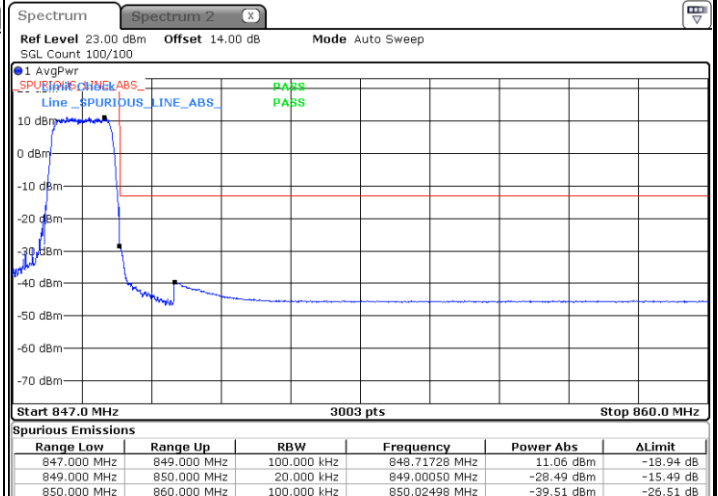
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



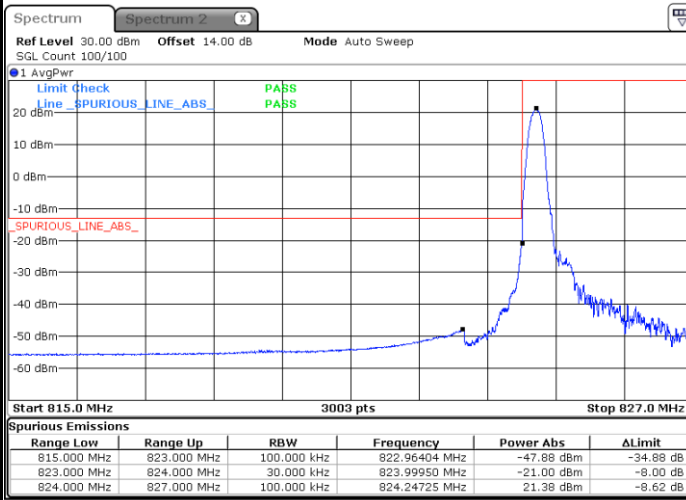
Highest Band Edge / Full RB



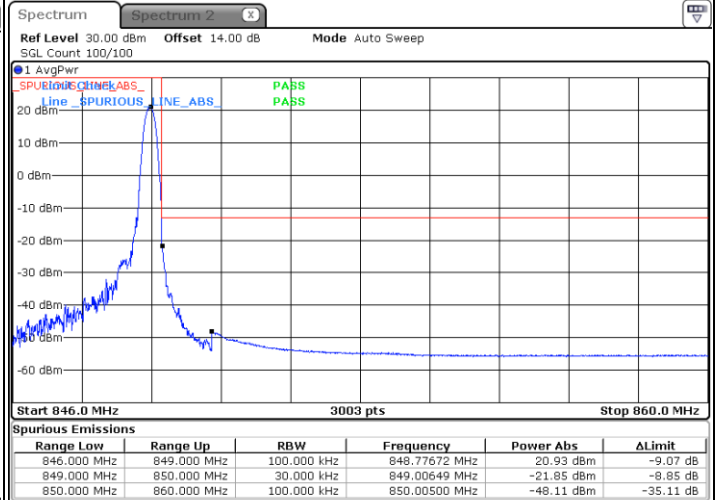


LTE Band 26 / 3MHz / QPSK

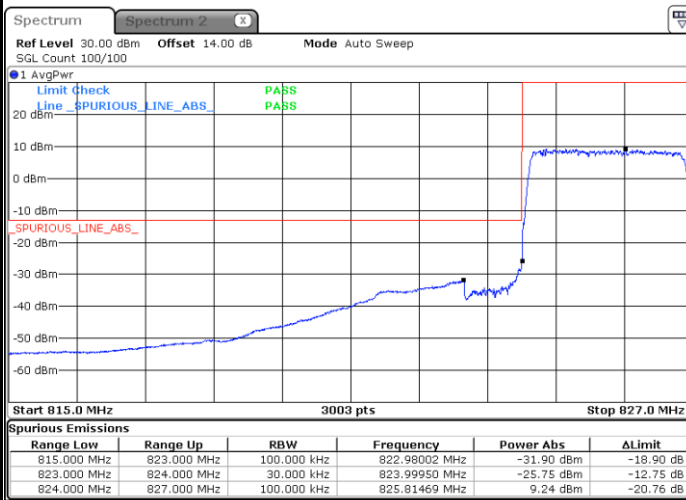
Lowest Band Edge / 1RB



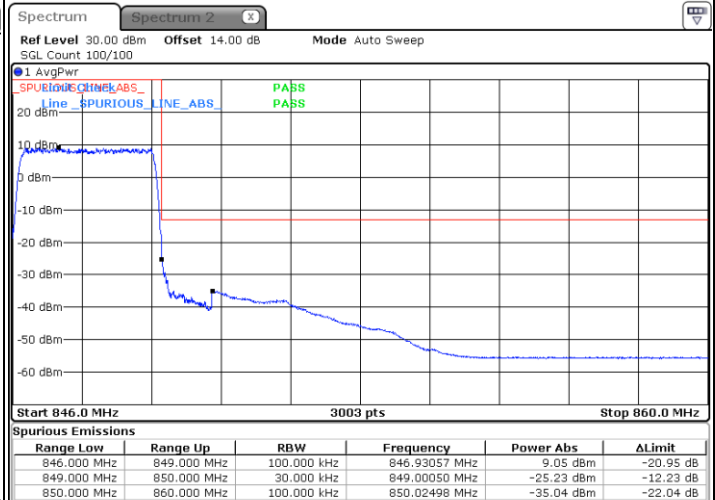
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



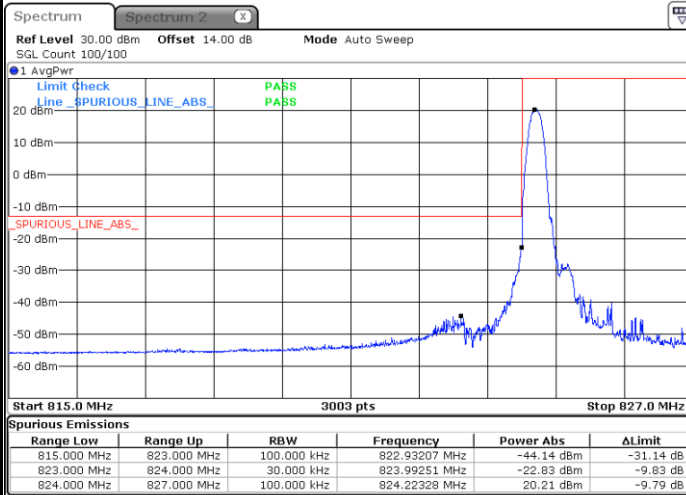
Highest Band Edge / Full RB



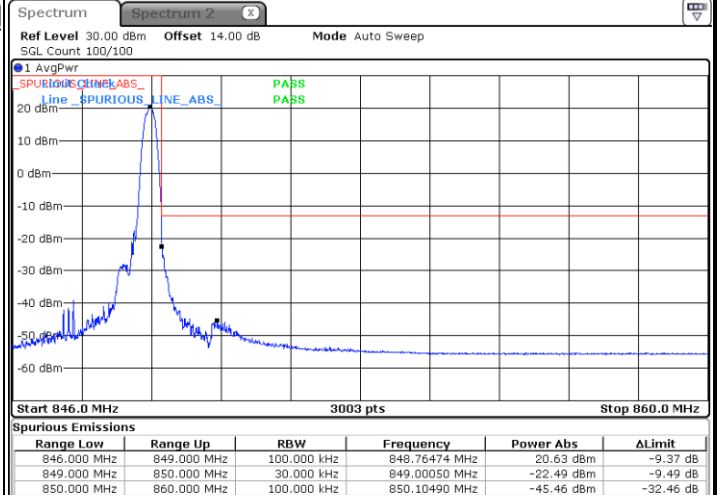


LTE Band 26 / 3MHz / 16QAM

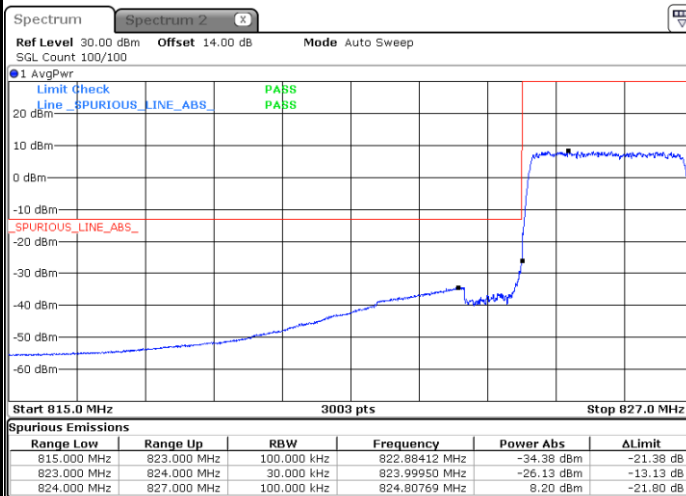
Lowest Band Edge / 1 RB



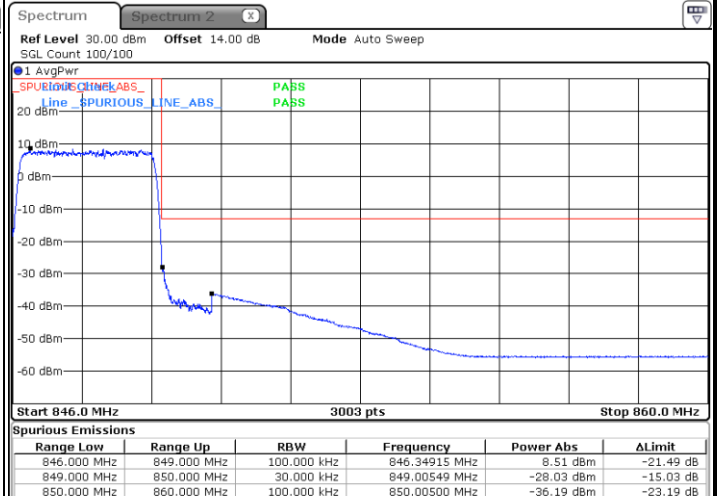
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



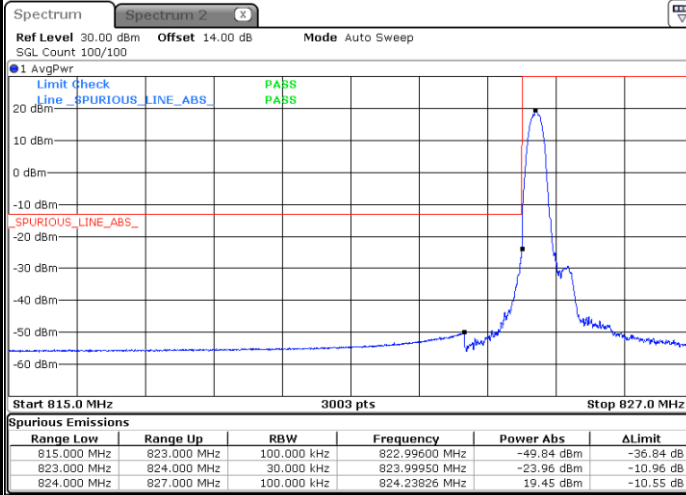
Highest Band Edge / Full RB



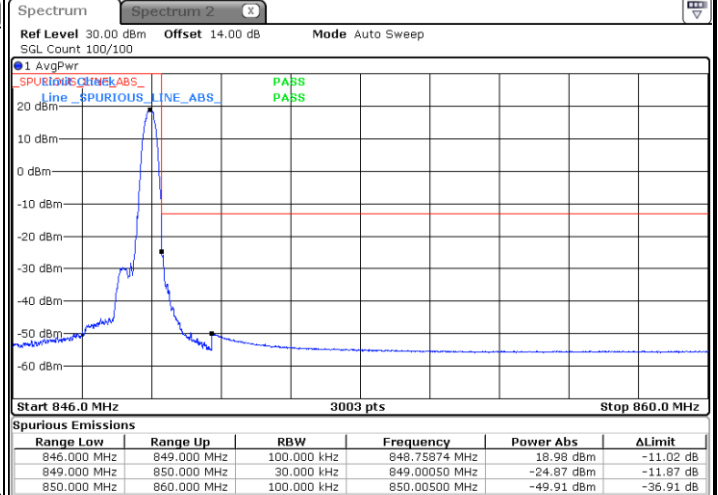


LTE Band 26 / 3MHz / 64QAM

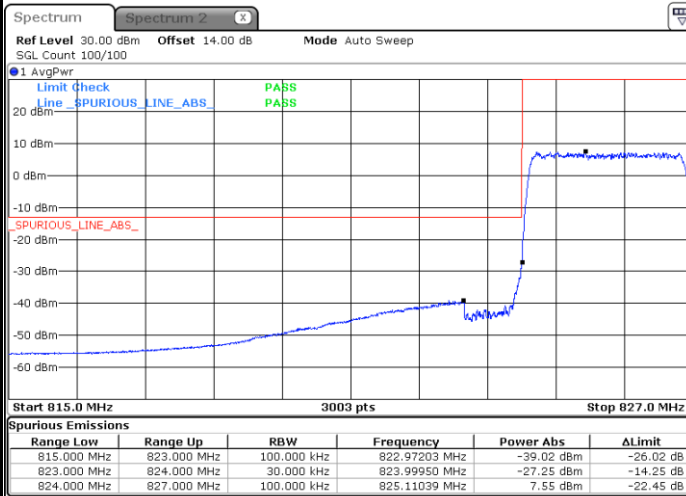
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



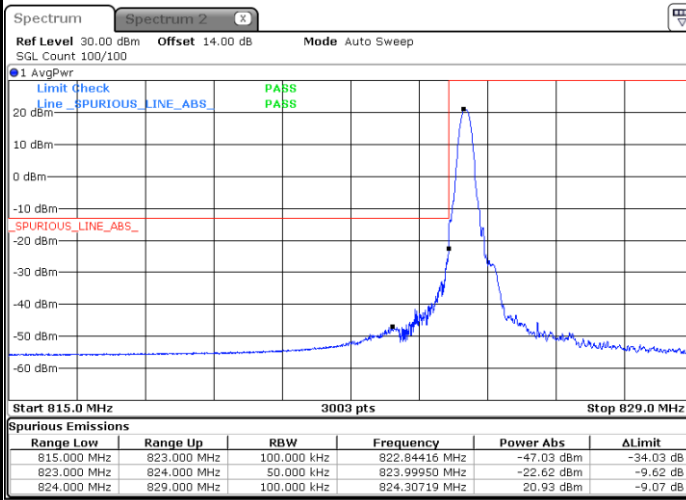
Highest Band Edge / Full RB





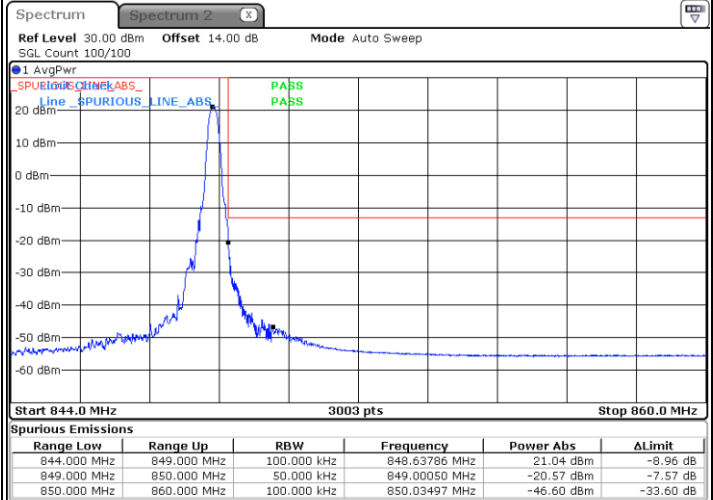
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1RB



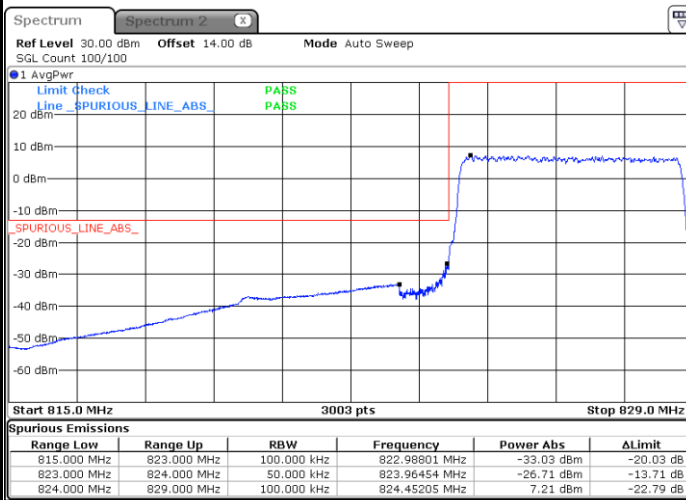
Date: 6 AUG 2024 16:45:43

Highest Band Edge / 1RB



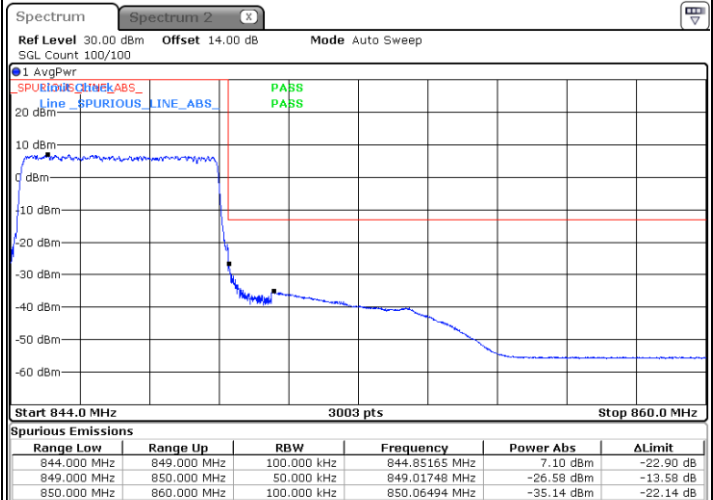
Date: 6 AUG 2024 16:50:47

Lowest Band Edge / Full RB



Date: 6 AUG 2024 16:49:56

Highest Band Edge / Full RB

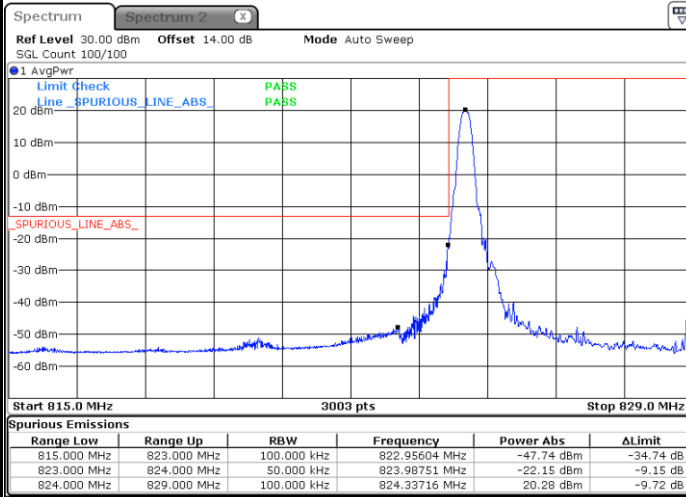


Date: 6 AUG 2024 16:50:01

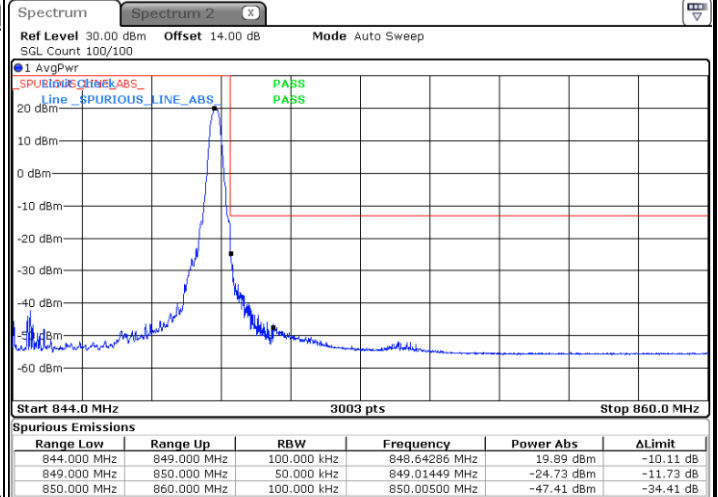


LTE Band 26 / 5MHz / 16QAM

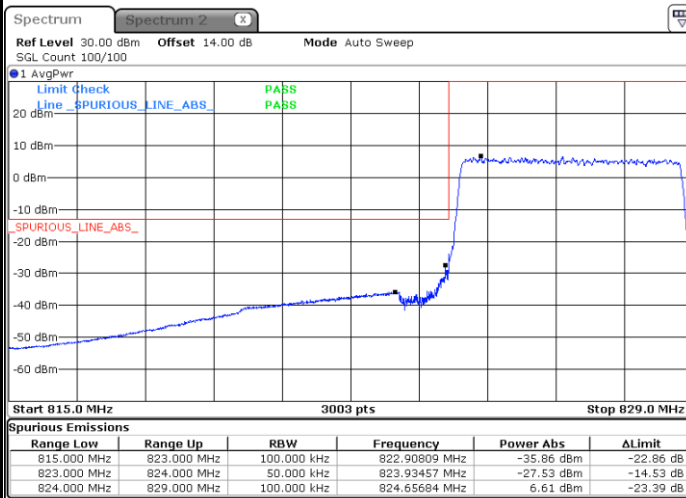
Lowest Band Edge / 1 RB



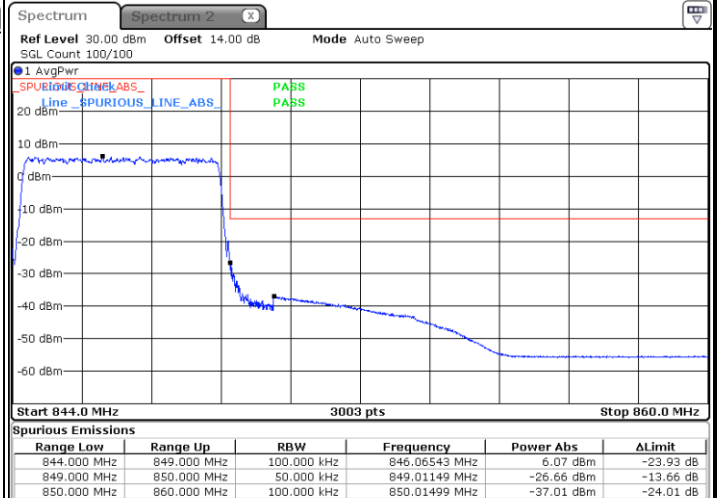
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



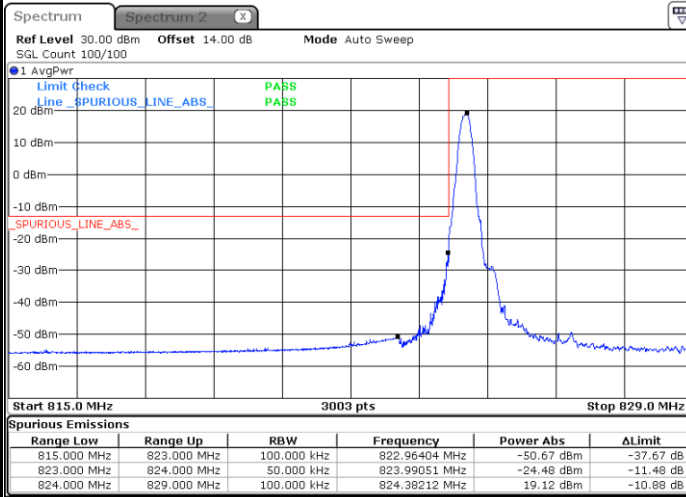
Highest Band Edge / Full RB



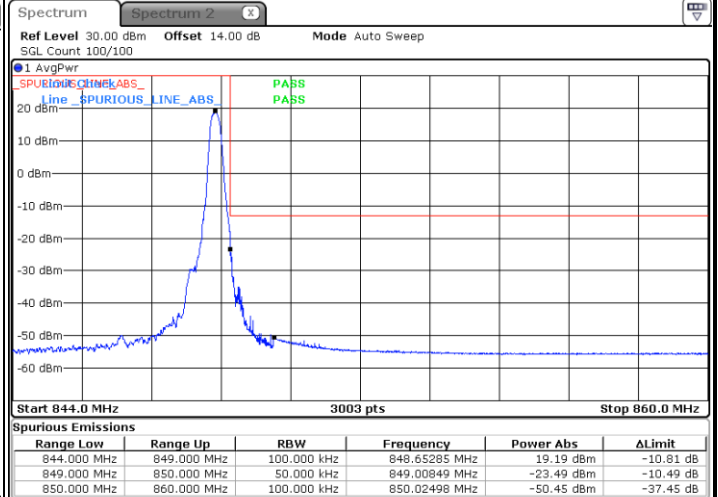


LTE Band 26 / 5MHz / 64QAM

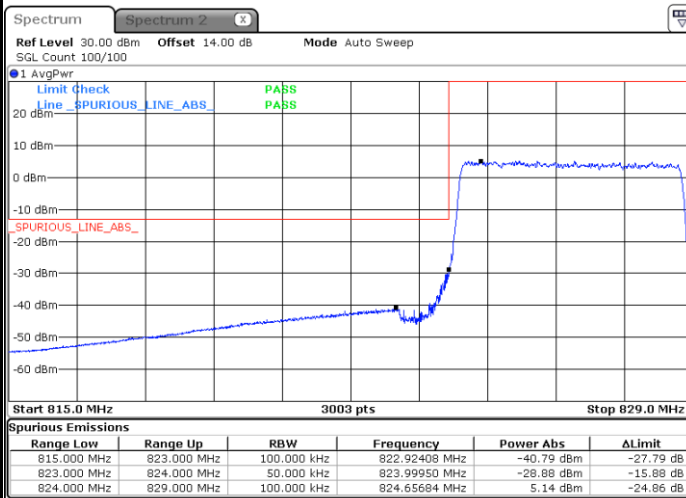
Lowest Band Edge / 1 RB



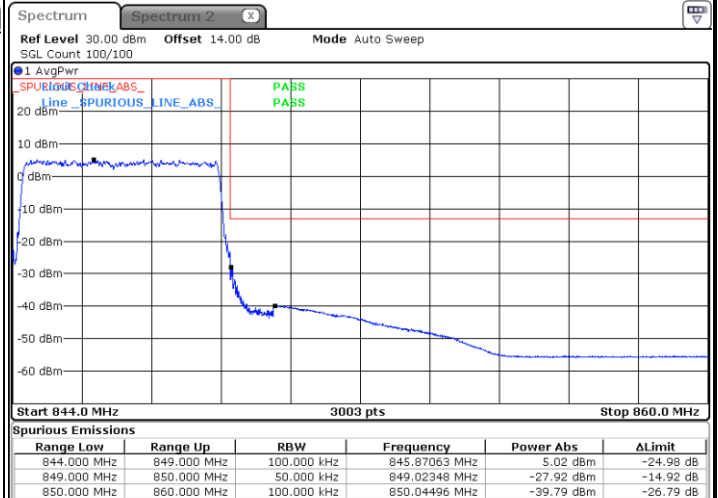
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



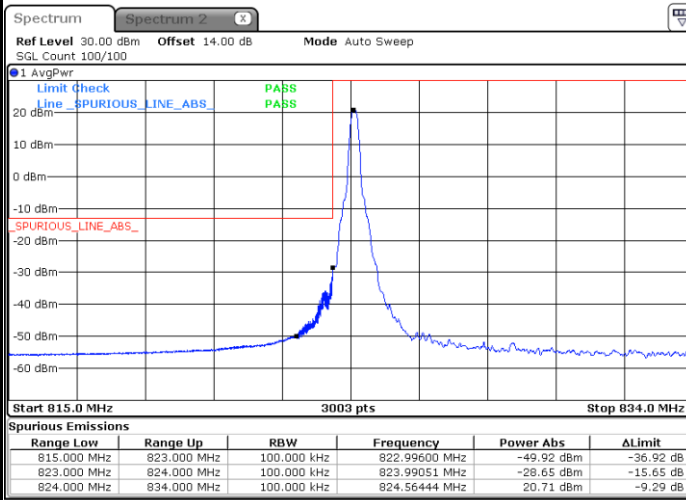
Highest Band Edge / Full RB



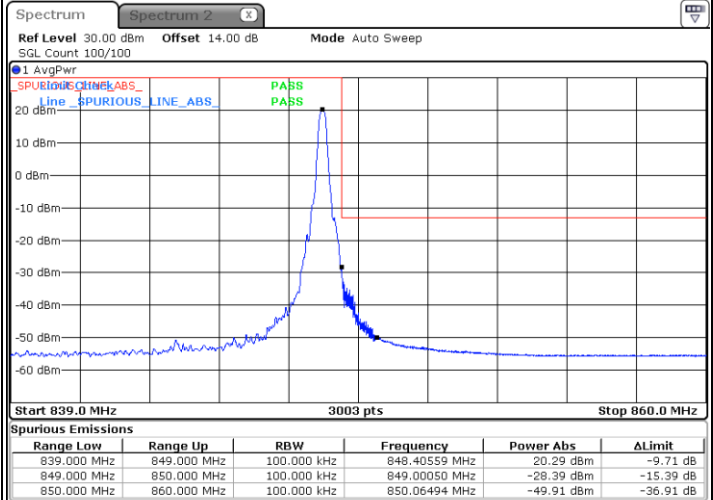


LTE Band 26 / 10MHz / QPSK

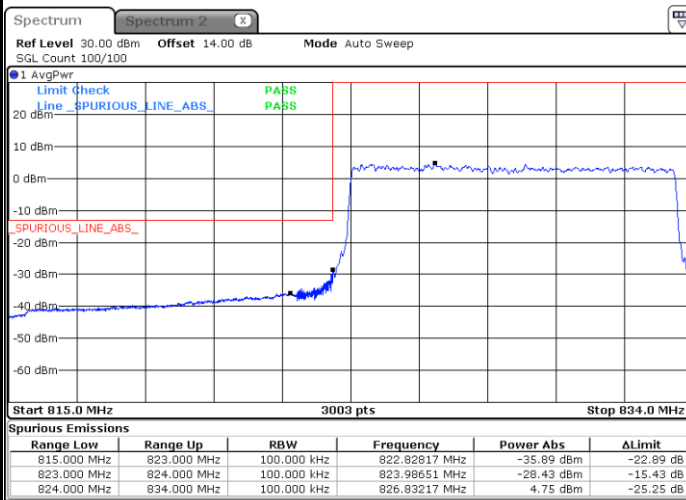
Lowest Band Edge / 1RB



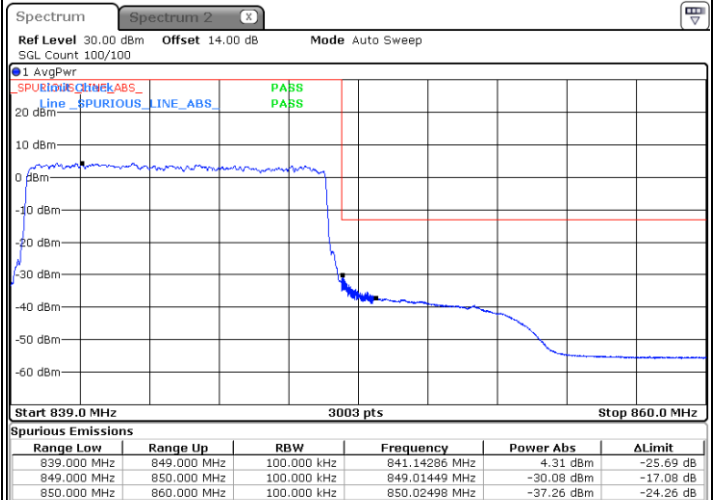
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



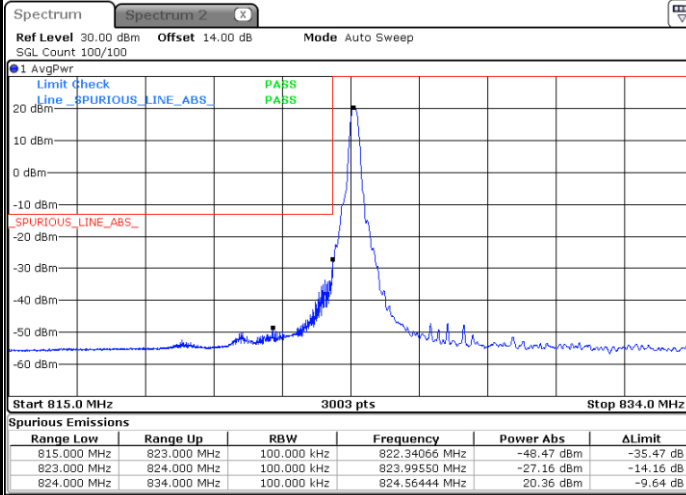
Highest Band Edge / Full RB



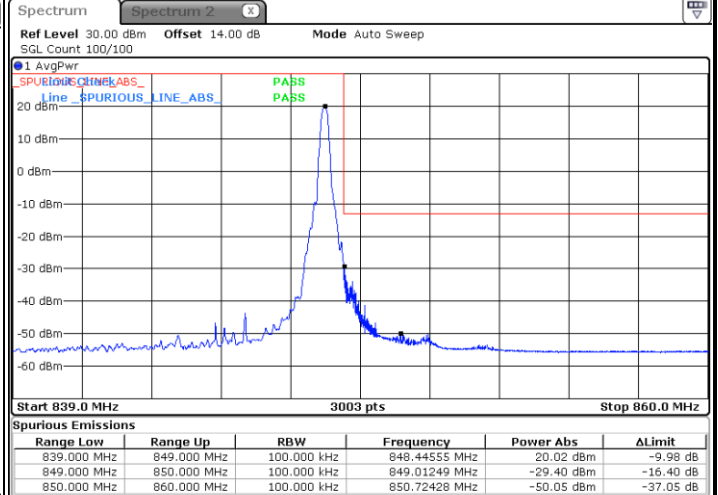


LTE Band 26 / 10MHz / 16QAM

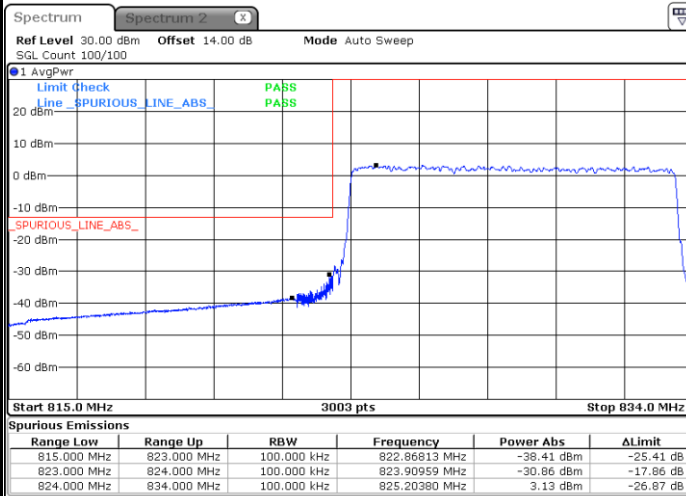
Lowest Band Edge / 1 RB



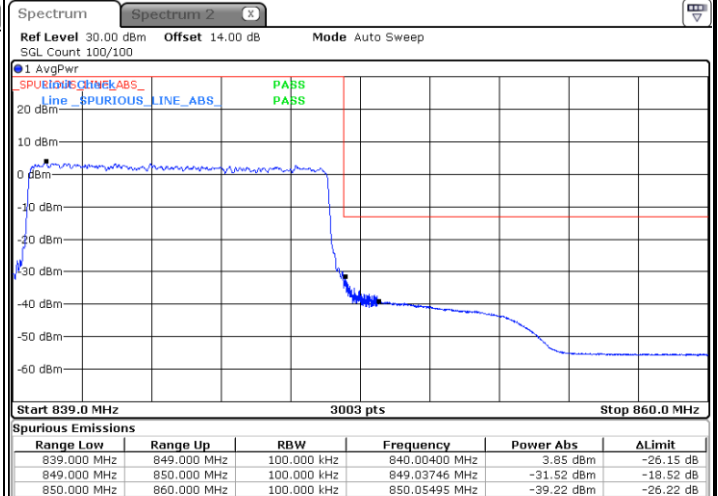
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



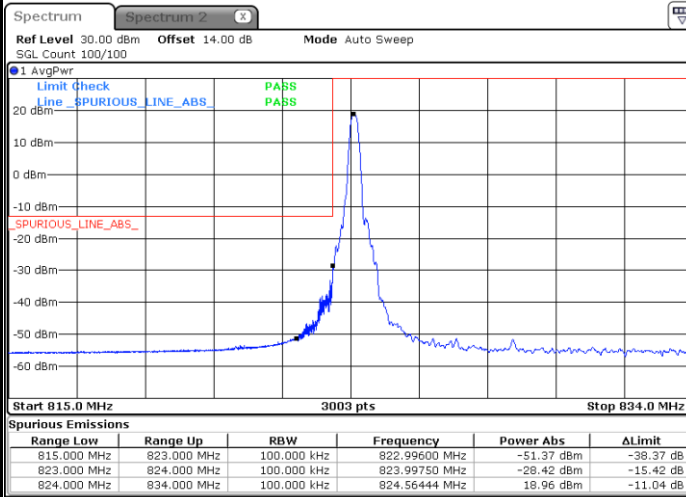
Highest Band Edge / Full RB



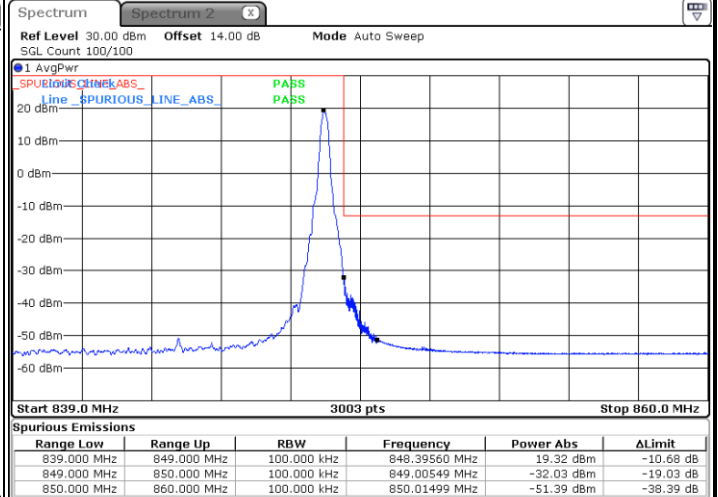


LTE Band 26 / 10MHz / 64QAM

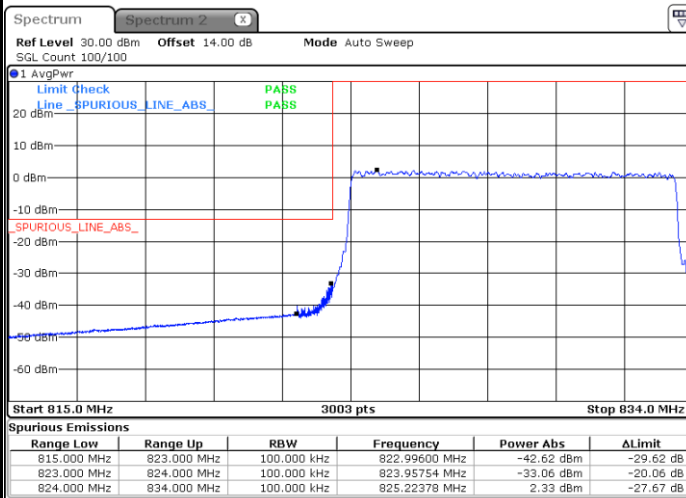
Lowest Band Edge / 1 RB



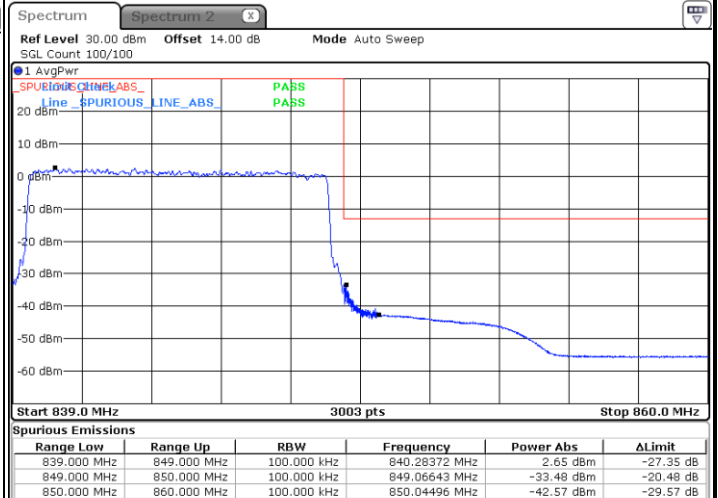
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



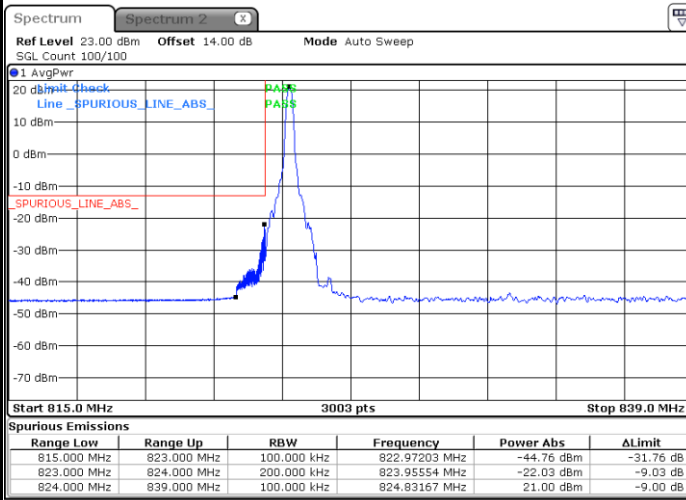
Highest Band Edge / Full RB



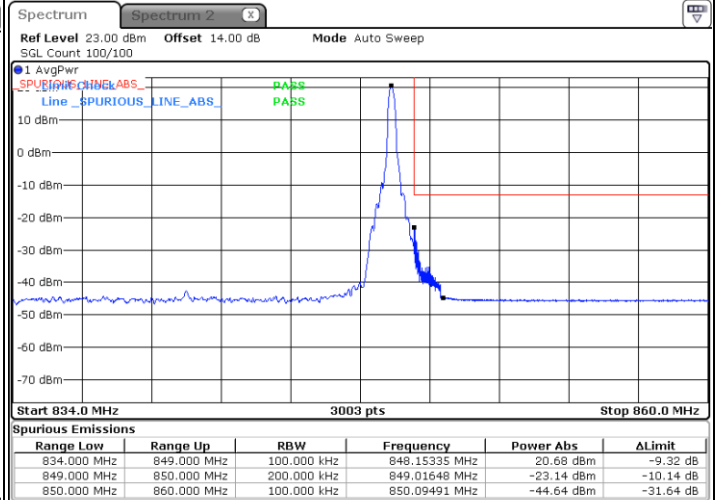


LTE Band 26 / 15MHz / QPSK

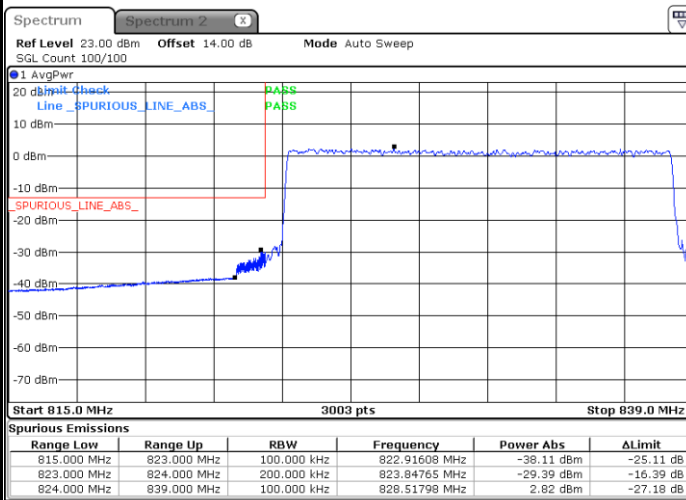
Lowest Band Edge / 1RB



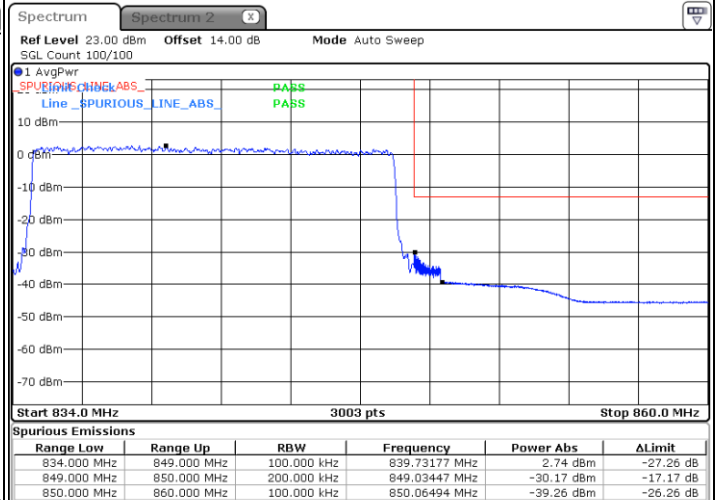
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



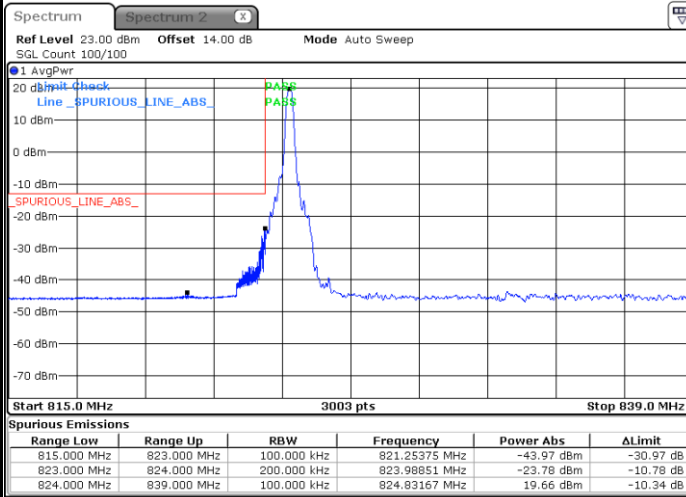
Highest Band Edge / Full RB



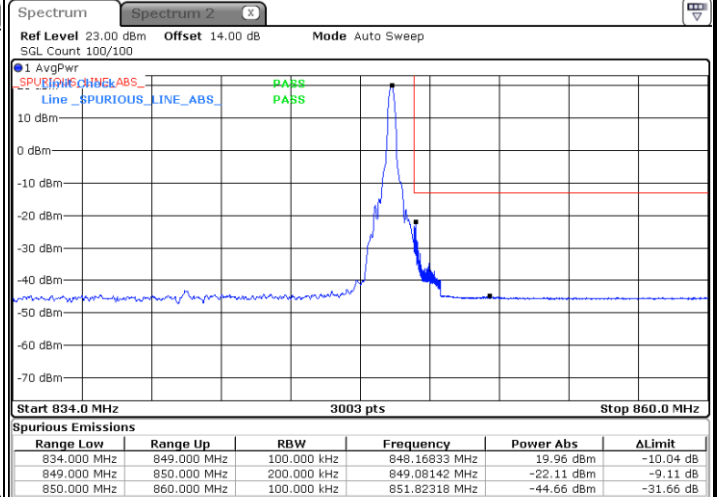


LTE Band 26 / 15MHz / 16QAM

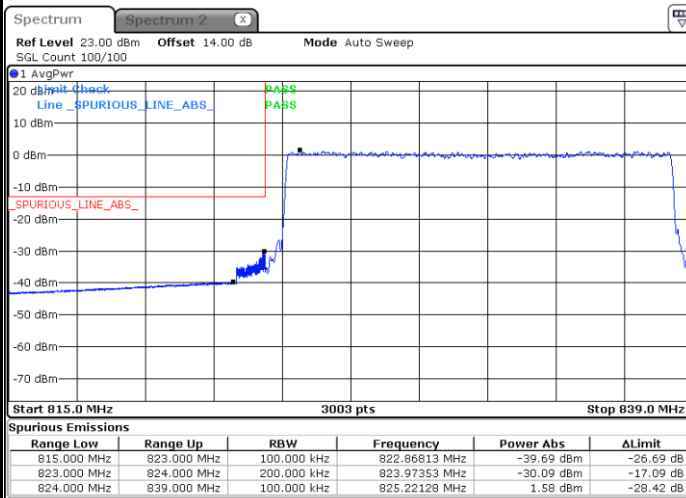
Lowest Band Edge / 1 RB



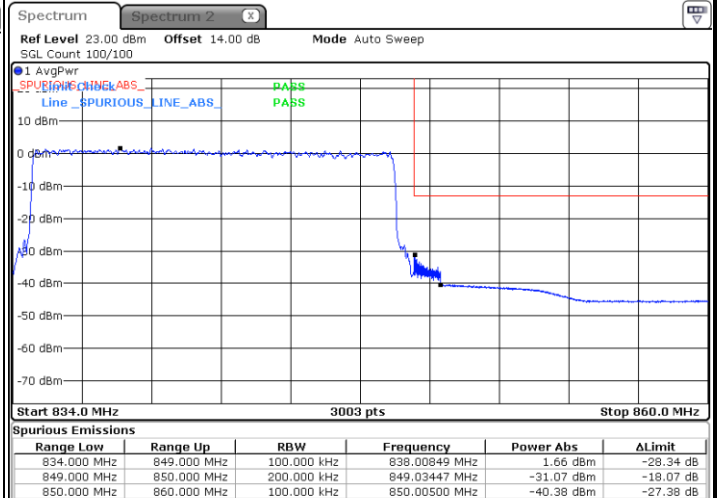
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



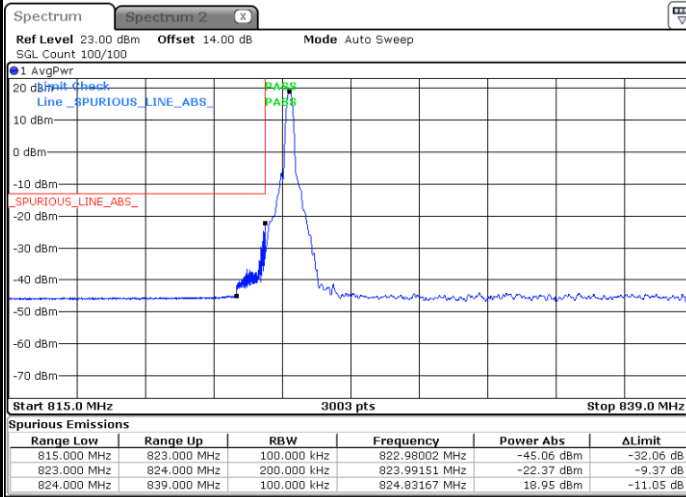
Highest Band Edge / Full RB



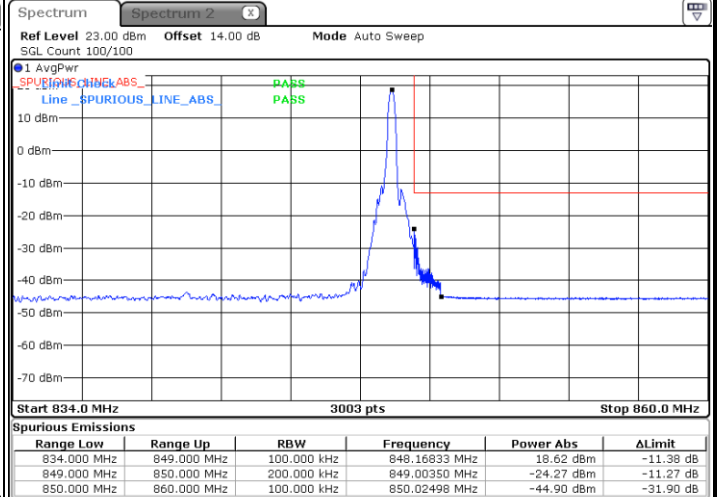


LTE Band 26 / 15MHz / 64QAM

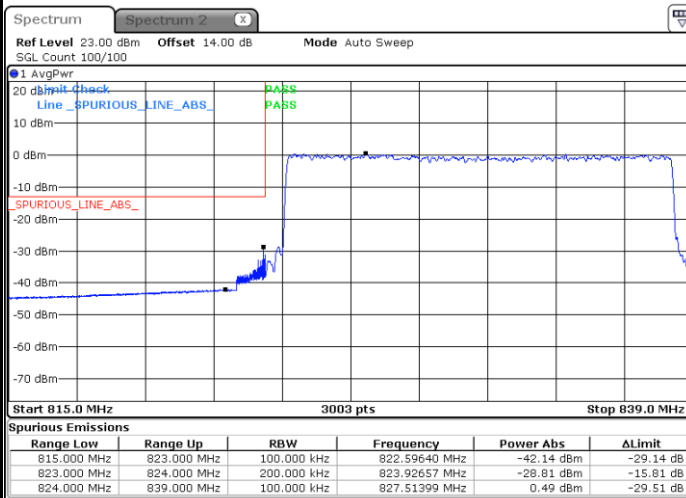
Lowest Band Edge / 1 RB



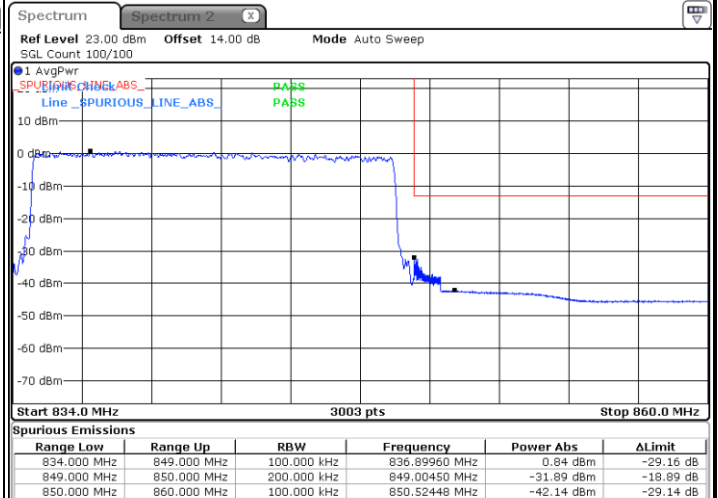
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	LiangPing Zhou	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 2C / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-63.05	-13	-50.05	-77.68	-69.80	5.85	12.60	H
	5613.27	-61.72	-13	-48.72	-79.44	-67.52	7.30	13.10	H
	7484.36	-56.63	-13	-43.63	-79.04	-59.78	8.35	11.50	H
	3742.18	-62.99	-13	-49.99	-77.83	-69.74	5.85	12.60	V
	5613.27	-62.00	-13	-49.00	-79.63	-67.80	7.30	13.10	V
	7484.36	-56.35	-13	-43.35	-78.69	-59.50	8.35	11.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 5B / 10MHz+10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1673.1	-68.17	-13	-55.17	-74.39	-71.42	4.00	9.40	H
	2509.65	-66.12	-13	-53.12	-76.37	-69.69	4.88	10.60	H
	3346.2	-65.03	-13	-52.03	-77.06	-69.96	5.52	12.60	H
	1673.1	-68.15	-13	-55.15	-74.10	-71.40	4.00	9.40	V
	2509.65	-65.78	-13	-52.78	-76.36	-69.35	4.88	10.60	V
	3346.2	-64.47	-13	-51.47	-76.88	-69.40	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 7 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-61.33	-25	-36.33	-85.28	-66.89	7.14	12.70	H
	7578.27	-55.81	-25	-30.81	-82.51	-59.11	8.30	11.60	H
	10104.36	-51.84	-25	-26.84	-82.78	-53.36	10.48	12.00	H
	5052.18	-61.46	-25	-36.46	-86.74	-67.02	7.14	12.70	V
	7578.27	-56.00	-25	-31.00	-82.7	-59.30	8.30	11.60	V
	10104.36	-51.97	-25	-26.97	-83.89	-53.49	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 7C / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5070.00	-61.74	-25	-36.74	-79.18	-67.30	7.14	12.70	H
	7605.00	-56.45	-25	-31.45	-78.61	-59.75	8.30	11.60	H
	10140.00	-52.01	-25	-27.01	-79.09	-53.53	10.48	12.00	H
	5070.00	-61.86	-25	-36.86	-79.23	-67.42	7.14	12.70	V
	7605.00	-56.41	-25	-31.41	-78.35	-59.71	8.30	11.60	V
	10140.00	-52.61	-25	-27.61	-79.24	-54.13	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-65.10	-13	-52.10	-73.18	-68.35	4.00	9.40	H
	2109	-48.27	-13	-35.27	-58.03	-51.84	4.88	10.60	H
	2812	-64.12	-13	-51.12	-76.14	-69.05	5.52	12.60	H
	1406	-64.95	-13	-51.95	-73.11	-68.20	4.00	9.40	V
	2109	-51.21	-13	-38.21	-61.34	-54.78	4.88	10.60	V
	2812	-63.96	-13	-50.96	-76.22	-68.89	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-62.89	-42.15	-20.74	-69.67	-66.14	4.00	9.40	H
	2339.25	-51.42	-13	-38.42	-62.21	-54.99	4.88	10.60	H
	3119	-63.21	-13	-50.21	-76.10	-68.14	5.52	12.60	H
	1559.5	-62.68	-42.15	-20.53	-69.67	-65.93	4.00	9.40	V
	2339.25	-46.51	-13	-33.51	-57.69	-50.08	4.88	10.60	V
	3119	-62.39	-13	-49.39	-75.79	-67.32	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-65.83	-42.15	-23.68	-72.61	-69.08	4.00	9.40	H
	2339.25	-59.07	-13	-46.07	-69.86	-62.64	4.88	10.60	H
	3119	-63.15	-13	-50.15	-76.04	-68.08	5.52	12.60	H
	1559.5	-66.16	-42.15	-24.01	-73.15	-69.41	4.00	9.40	V
	2339.25	-54.91	-13	-41.91	-66.09	-58.48	4.88	10.60	V
	3119	-62.82	-13	-49.82	-76.22	-67.75	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3747	-63.47	-13	-50.47	-78.10	-70.22	5.85	12.60	H
	5620.5	-62.27	-13	-49.27	-80.00	-68.07	7.30	13.10	H
	7494	-56.05	-13	-43.05	-78.40	-59.20	8.35	11.50	H
	3747	-63.30	-13	-50.30	-78.14	-70.05	5.85	12.60	V
	5620.5	-62.04	-13	-49.04	-79.68	-67.84	7.30	13.10	V
	7494	-56.22	-13	-43.22	-78.49	-59.37	8.35	11.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 26 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1649.5	-67.22	-13	-54.22	-73.48	-70.47	4.00	9.40	H
	2474.25	-63.32	-13	-50.32	-73.67	-66.89	4.88	10.60	H
	3299	-64.12	-13	-51.12	-76.53	-69.05	5.52	12.60	H
	1649.5	-66.22	-13	-53.22	-72.36	-69.47	4.00	9.40	V
	2474.25	-61.26	-13	-48.26	-71.96	-64.83	4.88	10.60	V
	3299	-63.70	-13	-50.70	-76.56	-68.63	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.00	-61.48	-25	-36.48	-79.00	-67.04	7.14	12.70	H
	7752.00	-55.05	-25	-30.05	-77.71	-58.35	8.30	11.60	H
	10336.00	-51.08	-25	-26.08	-78.09	-52.60	10.48	12.00	H
	5168.00	-61.30	-25	-36.30	-78.77	-66.86	7.14	12.70	V
	7752.00	-55.02	-25	-30.02	-77.65	-58.32	8.30	11.60	V
	10336.00	-51.60	-25	-26.60	-78.38	-53.12	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 41C / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5186.00	-61.20	-25	-36.20	-78.74	-66.76	7.14	12.70	H
	7779.00	-54.65	-25	-29.65	-77.41	-57.95	8.30	11.60	H
	10372.00	-50.79	-25	-25.79	-77.79	-52.31	10.48	12.00	H
	5186.00	-61.44	-25	-36.44	-78.93	-67.00	7.14	12.70	V
	7779.00	-54.93	-25	-29.93	-77.69	-58.23	8.30	11.60	V
	10372.00	-51.16	-25	-26.16	-77.98	-52.68	10.48	12.00	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-63.97	-13	-50.97	-76.79	-70.82	5.65	12.50	H
	5208	-61.36	-13	-48.36	-78.82	-67.03	7.13	12.80	H
	6944	-58.10	-13	-45.10	-79.01	-61.50	8.40	11.80	H
	3472	-63.60	-13	-50.60	-76.97	-70.45	5.65	12.50	V
	5208	-61.60	-13	-48.60	-79.01	-67.27	7.13	12.80	V
	6944	-58.01	-13	-45.01	-78.97	-61.41	8.40	11.80	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band CA_66B / 10MHz+10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3491.2	-63.09	-13	-50.09	-76.13	-69.94	5.65	12.50	H
	5236.8	-61.58	-13	-48.58	-78.69	-67.25	7.13	12.80	H
	6982.4	-57.16	-13	-44.16	-78.25	-60.56	8.40	11.80	H
	3491.2	-62.76	-13	-49.76	-76.33	-69.61	5.65	12.50	V
	5236.8	-61.60	-13	-48.60	-78.66	-67.27	7.13	12.80	V
	6982.4	-57.10	-13	-44.10	-78.35	-60.50	8.40	11.80	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band CA_66C / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3510	-63.70	-13	-50.70	-76.95	-70.55	5.65	12.50	H
	5265	-62.37	-13	-49.37	-79.33	-68.04	7.13	12.80	H
	7020	-57.10	-13	-44.10	-78.34	-60.50	8.40	11.80	H
	3510	-63.37	-13	-50.37	-77.15	-70.22	5.65	12.50	V
	5265	-62.38	-13	-49.38	-79.33	-68.05	7.13	12.80	V
	7020	-57.21	-13	-44.21	-78.64	-60.61	8.40	11.80	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 71 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1343	-59.83	-13	-46.83	-66.85	-63.08	4.00	9.40	H
	2014.5	-66.56	-13	-53.56	-74.67	-70.13	4.88	10.60	H
	2686	-51.56	-13	-38.56	-62.62	-56.49	5.52	12.60	H
	1343	-57.72	-13	-44.72	-64.69	-60.97	4.00	9.40	V
	2014.5	-66.14	-13	-53.14	-74.67	-69.71	4.88	10.60	V
	2686	-46.68	-13	-33.68	-58.04	-51.61	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.