



FCC RF Test Report

APPLICANT : Datalogic S.r.l.
EQUIPMENT : MOBILE COMPUTER/BARCODE READER
BRAND NAME : DATALOGIC
MODEL NAME : AELNRNA
FCC ID : U4G-AELNRNA
STANDARD : 47 CFR Part 22(H), 24(E), 27(L)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Nov. 19, 2024 ~ Jan. 19, 2025

We, Sporton International Inc. (Kunshan), 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. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

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People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG4N0543B	Rev. 01	Initial issue of report	Feb. 24, 2025



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§24.232(c)	Equivalent Isotropic Radiated Power (Band 2) (Band 25)	EIRP < 2Watt		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log10(P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 38.5 dB at 7590.000 MHz

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/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

Datalogic S.r.l.

Via San Vitalino 13 CALDERARA DI RENO, BO 40012 Italy

1.2 Manufacturer

Datalogic S.r.l.

Via San Vitalino 13 CALDERARA DI RENO, BO 40012 Italy

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	MOBILE COMPUTER/BARCODE READER
Brand Name	DATALOGIC
Model Name	AELNRNA
FCC ID	U4G-AELNRNA
IMEI/SN Code	Conducted: 356616170009222 Radiation: X24N00016
HW Version	V3
SW Version	1.18.001.20241225
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 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 824 MHz ~ 849 MHz LTE Band 66 : 1710 MHz ~ 1780 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 25 : 1930 MHz ~ 1995 MHz LTE Band 26 : 869 MHz ~ 894 MHz LTE Band 66 : 2110 MHz~ 2180 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 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to	<Ant.0>

Antenna	LTE Band 2 : 22.87 dBm LTE Band 4 : 23.16 dBm LTE Band 25 : 22.98 dBm LTE Band 66 : 23.19 dBm <Ant.1> LTE Band 2 : 23.33 dBm LTE Band 4 : 23.57 dBm LTE Band 5 : 23.52 dBm LTE Band 25 : 23.35 dBm LTE Band 26 : 23.58 dBm LTE Band 66 : 23.59 dBm <Ant.2> LTE Band 2 : 23.86 dBm LTE Band 4 : 24.31 dBm LTE Band 25 : 24.03 dBm LTE Band 66 : 24.33 dBm
Antenna Gain	<Ant.0> LTE Band 2 : 0.5 dBi LTE Band 4 : 0.5 dBi LTE Band 25 : 0.5 dBi LTE Band 66 : 0.5 dBi <Ant.1> LTE Band 2 : -0.8 dBi LTE Band 4 : -0.8 dBi LTE Band 5 : -3.5 dBi LTE Band 25 : -0.8 dBi LTE Band 26 : -3.5 dBi LTE Band 66 : -0.8 dBi <Ant.2> LTE Band 2 : -1.0 dBi LTE Band 4 : -1.0 dBi LTE Band 25 : -1.0 dBi LTE Band 66 : -1.0 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note : The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP of Ant.0 for LTE Band 2/4/25/66, and Ant.1 for LTE Band 5/26 are shown in the report.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP Power and Emission Designator

LTE Band 2		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1909.3	0.2113	1M09G7D	0.1734	1M09W7D
3	1851.5 ~ 1908.5	0.2138	2M74G7D	0.1734	2M74W7D
5	1852.5 ~ 1907.5	0.2138	4M48G7D	0.1738	4M51W7D
10	1855.0 ~ 1905.0	0.2138	9M07G7D	0.1738	9M05W7D
15	1857.5 ~ 1902.5	0.2104	14M5G7D	0.1738	14M4W7D
20	1860.0 ~ 1900.0	0.2173	17M9G7D	0.1774	17M9W7D

LTE Band 25		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1914.3	0.2203	1M09G7D	0.1799	1M09W7D
3	1851.5 ~ 1913.5	0.2183	2M74G7D	0.1782	2M74W7D
5	1852.5 ~ 1912.5	0.2168	4M48G7D	0.1803	4M51W7D
10	1855.0 ~ 1910.0	0.2193	9M07G7D	0.1811	9M05W7D
15	1857.5 ~ 1907.5	0.2188	14M5G7D	0.1803	14M4W7D
20	1860.0 ~ 1905.0	0.2228	17M9G7D	0.1837	17M9W7D

LTE Band 4		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1754.3	0.2259	1M09G7D	0.2023	1M10W7D
3	1711.5 ~ 1753.5	0.2275	2M72G7D	0.1811	2M74W7D
5	1712.5 ~ 1752.5	0.2249	4M50G7D	0.1803	4M50W7D
10	1715.0 ~ 1750.0	0.2239	9M03G7D	0.1795	9M07W7D
15	1717.5 ~ 1747.5	0.2228	13M5G7D	0.1786	13M5W7D
20	1720.0 ~ 1745.0	0.2323	17M9G7D	0.1871	17M9W7D



LTE Band 5		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.0604	1M10G7D	0.0471	1M10W7D
3	825.5 ~ 847.5	0.0608	2M72G7D	0.0467	2M72W7D
5	826.5 ~ 846.5	0.0603	4M49G7D	0.0471	4M53W7D
10	829.0 ~ 844.0	0.0612	9M07G7D	0.0481	9M03W7D

LTE Band 26		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.0610	1M10G7D	0.0465	1M10W7D
3	825.5 ~ 847.5	0.0604	2M72G7D	0.0467	2M72W7D
5	826.5 ~ 846.5	0.0615	4M49G7D	0.0465	4M53W7D
10	829.0 ~ 844.0	0.0615	9M07G7D	0.0462	9M03W7D
15	831.5 ~ 841.5	0.0621	13M5G7D	0.0475	13M5W7D
CH26790	824.0	0.0597	13M4G7D	0.0447	13M4W7D

LTE Band 66		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1779.3	0.2323	1M09G7D	0.1820	1M10W7D
3	1711.5 ~ 1778.5	0.2291	2M72G7D	0.1820	2M74W7D
5	1712.5 ~ 1777.5	0.2301	4M50G7D	0.1811	4M50W7D
10	1715.0 ~ 1775.0	0.2296	9M03G7D	0.1837	9M07W7D
15	1717.5 ~ 1772.5	0.2307	13M5G7D	0.1807	13M5W7D
20	1720.0 ~ 1770.0	0.2339	17M9G7D	0.1849	17M9W7D

Note:

1. LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 26 as well as Band 5
2. LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, the test results provided in this report covers Band 66 as well as Band 4.
3. LTE Band 25 overlaps the entire frequency range of LTE Band 2. Therefore, the test results provided in this report covers Band 25 as well as Band 2.
4. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS TH01-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	TH01-KS	SPORTON	FCC LTE_Ver2.0 Auto_china_210503	2.0
2.	03CH04-KS	AUDIX	E3	210616

1.9 Applicable Standards

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

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

Remark:

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



2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

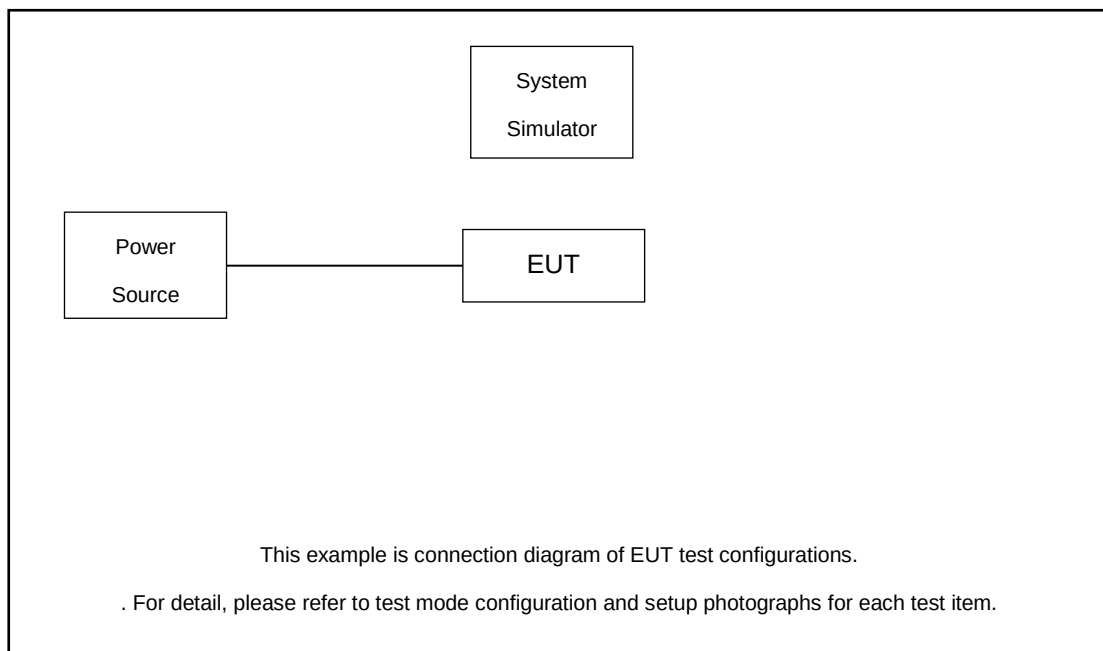
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z for Adapter mode, Cradle mode and Earphone mode.. The worst cases (Y/Z-Plane-Adapter mode) were recorded in this report.

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	25						v	v	v	v	v			v		v	
	26					v	-	v	v	v	v			v		v	
	66						v	v	v	v	v			v		v	
26dB and 99% Bandwidth	25	v	v	v	v	v	v	v	v					v		v	
	26	v	v	v	v	v	-	v	v					v		v	
	66	v	v	v	v	v	v	v	v					v		v	
Conducted Band Edge	25	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
	66	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	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Conducted Spurious Emission	25	v	v	v	v	v	v	v				v			v	v	v
	26	v	v	v	v	v	-	v				v			v	v	v
	66	v	v	v	v	v	v	v				v			v	v	v
Frequency Stability	25				v			v						v		v	
	26				v		-	v						v		v	
	66				v			v						v		v	
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	25	Worst Case													v	v	v
	26	Worst Case													v	v	v
	66	Worst Case													v	v	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.																

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss.

Following shows an offset computation example with cable loss 5.4 dB.

Example :

Offset(dB) = RF cable loss(dB).



= 5.4 (dB)

2.5 Frequency List of Low/Middle/High Channels

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

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



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

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

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



	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

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

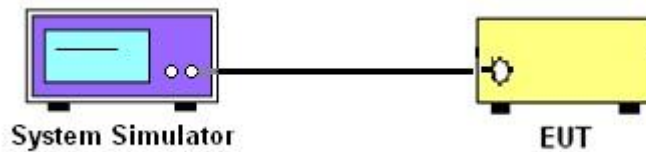
3 Conducted Test Items

3.1 Measuring Instruments

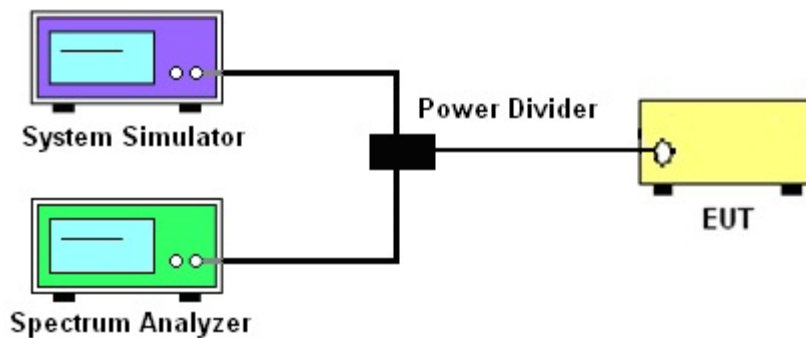
See list of measuring instruments of this test report.

3.2 Test Setup

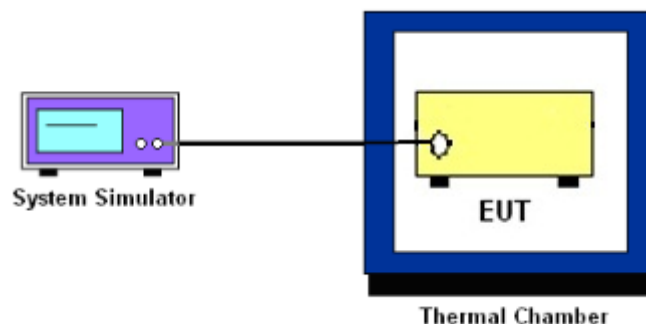
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.



3.4 Conducted Output Power and ERP/EIRP

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

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

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

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

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

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

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

3.6.2 Test Procedures

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

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

22.917(a)

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

24.238 (a)

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

27.53 (h)

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

3.7.2 Test Procedures

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

Example:

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

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

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

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

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

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

3.8.2 Test Procedures

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

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

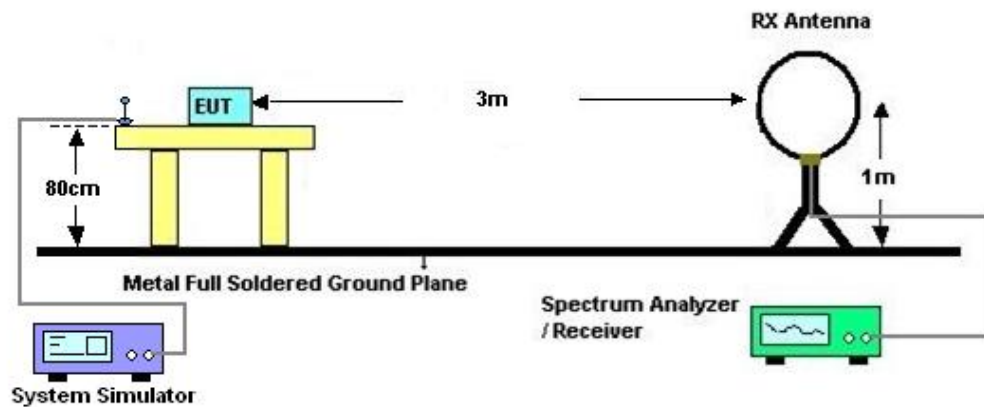
4 Radiated Test Items

4.1 Measuring Instruments

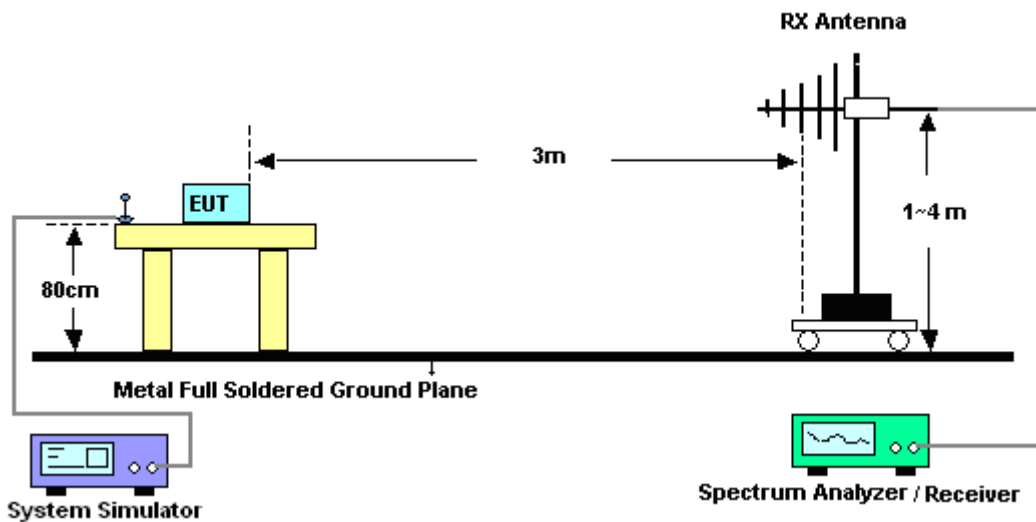
See list of measuring instruments of this test report.

4.2 Test Setup

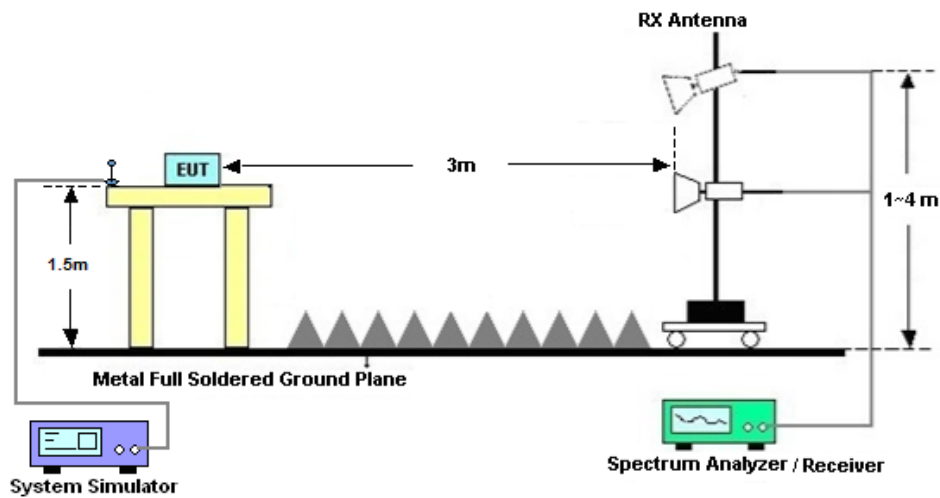
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

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

4.4.2 Test Procedures

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

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

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

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

$$= -13\text{dBm}.$$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	Nov. 19, 2024~ Nov. 30, 2024	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Nov. 19, 2024~ Nov. 30, 2024	NCR	Conducted (TH01-KS)
Temperature & humidity	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Nov. 19, 2024~ Nov. 30, 2024	Jul. 03, 2025	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 11, 2024	Jan. 19, 2025	Oct. 10, 2025	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 08, 2024	Jan. 19, 2025	Sep. 07, 2025	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Nov. 23, 2024	Jan. 19, 2025	Nov. 22, 2025	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 16, 2024	Jan. 19, 2025	Aug. 15, 2025	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101116	18GHz~40GHz	Oct. 22, 2024	Jan. 19, 2025	Oct. 21, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380826	9KHz-1GHz	Jul. 03, 2024	Jan. 19, 2025	Jul. 02, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM18G40G A	060852	18~40GHz	Jan. 03, 2025	Jan. 19, 2025	Jan. 02, 2026	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz-18Ghz	Oct. 09, 2024	Jan. 19, 2025	Oct. 08, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM01G18G A	060892	1Ghz-18Ghz	Oct. 09, 2024	Jan. 19, 2025	Oct. 08, 2025	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jan. 19, 2025	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jan. 19, 2025	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jan. 19, 2025	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±2.26 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.50 dB
Peak to Average Ratio	±0.50 dB
Frequency Stability	±0.04 ppm

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.30 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.83 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.83 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))	2.82 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Simle Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power)

LTE Band 2 <Ant.0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP		
Channel				18700	18900	19100	18700	18900	19100
Frequency (MHz)				1860	1880	1900	1860	1880	1900
20	QPSK	1	0	22.84	22.87	22.74	0.2158	0.2173	0.2109
20	QPSK	1	49	22.68	22.65	22.70	0.2080	0.2065	0.2089
20	QPSK	1	99	22.71	22.70	22.64	0.2094	0.2089	0.2061
20	QPSK	50	0	21.82	21.98	21.80	0.1706	0.1770	0.1698
20	QPSK	50	24	21.78	21.95	21.78	0.1690	0.1758	0.1690
20	QPSK	50	50	21.72	21.76	21.78	0.1667	0.1683	0.1690
20	QPSK	100	0	21.75	21.93	21.74	0.1679	0.1750	0.1675
20	16QAM	1	0	21.91	21.77	21.99	0.1742	0.1687	0.1774
20	16QAM	1	49	21.91	21.95	21.72	0.1742	0.1758	0.1667
20	16QAM	1	99	21.88	21.98	21.92	0.1730	0.1770	0.1746
20	16QAM	50	0	20.76	20.81	20.77	0.1337	0.1352	0.1340
20	16QAM	50	24	20.83	20.81	20.97	0.1358	0.1352	0.1403
20	16QAM	50	50	20.87	20.91	20.91	0.1371	0.1384	0.1384
20	16QAM	100	0	20.97	20.98	20.82	0.1403	0.1406	0.1355
20	64QAM	1	0	20.84	20.86	20.85	0.1361	0.1368	0.1365
20	64QAM	1	49	20.72	20.85	20.77	0.1324	0.1365	0.1340
20	64QAM	1	99	20.81	20.81	20.81	0.1352	0.1352	0.1352
20	64QAM	50	0	19.82	19.93	19.97	0.1076	0.1104	0.1114
20	64QAM	50	24	20.00	19.88	19.74	0.1122	0.1091	0.1057
20	64QAM	50	50	19.87	19.91	19.87	0.1089	0.1099	0.1089
20	64QAM	100	0	19.84	19.84	20.01	0.1081	0.1081	0.1125
20	256QAM	1	0	18.29	18.30	18.15	0.0757	0.0759	0.0733



20	256QAM	1	49	18.24	18.25	18.31	0.0748	0.0750	0.0760
20	256QAM	1	99	18.34	18.25	18.30	0.0766	0.0750	0.0759
20	256QAM	50	0	18.31	18.12	18.35	0.0760	0.0728	0.0767
20	256QAM	50	24	18.18	18.29	18.20	0.0738	0.0757	0.0741
20	256QAM	50	50	18.26	18.15	18.17	0.0752	0.0733	0.0736
20	256QAM	100	0	18.23	18.27	18.16	0.0746	0.0753	0.0735
Channel				18675	18900	19125	18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5	1857.5	1880	1902.5
15	QPSK	1	0	22.72	22.73	22.72	0.2099	0.2104	0.2099
15	QPSK	1	37	22.58	22.53	22.62	0.2032	0.2009	0.2051
15	QPSK	1	74	22.52	22.52	22.52	0.2004	0.2004	0.2004
15	QPSK	36	0	21.72	21.84	21.79	0.1667	0.1714	0.1694
15	QPSK	36	20	21.80	21.80	21.63	0.1698	0.1698	0.1633
15	QPSK	36	39	21.66	21.76	21.63	0.1644	0.1683	0.1633
15	QPSK	75	0	21.67	21.86	21.64	0.1648	0.1722	0.1637
15	16QAM	1	0	21.74	21.74	21.81	0.1675	0.1675	0.1702
15	16QAM	1	37	21.84	21.90	21.67	0.1714	0.1738	0.1648
15	16QAM	1	74	21.72	21.84	21.74	0.1667	0.1714	0.1675
15	16QAM	36	0	20.64	20.63	20.68	0.1300	0.1297	0.1312
15	16QAM	36	20	20.79	20.67	20.80	0.1346	0.1309	0.1349
15	16QAM	36	39	20.69	20.83	20.80	0.1315	0.1358	0.1349
15	16QAM	75	0	20.83	20.82	20.70	0.1358	0.1355	0.1318
15	64QAM	1	0	20.75	20.80	20.81	0.1334	0.1349	0.1352
15	64QAM	1	37	20.70	20.80	20.74	0.1318	0.1349	0.1330
15	64QAM	1	74	20.74	20.74	20.69	0.1330	0.1330	0.1315
15	64QAM	36	0	19.77	19.84	19.92	0.1064	0.1081	0.1102
15	64QAM	36	20	19.82	19.77	19.71	0.1076	0.1064	0.1050
15	64QAM	36	39	19.80	19.87	19.82	0.1072	0.1089	0.1076
15	64QAM	75	0	19.71	19.72	19.86	0.1050	0.1052	0.1086
15	256QAM	1	0	18.21	18.19	18.03	0.0743	0.0740	0.0713
15	256QAM	1	37	18.22	18.14	18.22	0.0745	0.0731	0.0745
15	256QAM	1	74	18.17	18.23	18.18	0.0736	0.0746	0.0738
15	256QAM	36	0	18.25	18.04	18.18	0.0750	0.0714	0.0738
15	256QAM	36	20	18.02	18.11	18.07	0.0711	0.0726	0.0719
15	256QAM	36	39	18.21	18.04	18.01	0.0743	0.0714	0.0710
15	256QAM	75	0	18.21	18.22	17.98	0.0743	0.0745	0.0705



Channel				18650	18900	19150	18650	18900	19150
Frequency (MHz)				1855	1880	1905	1855	1880	1905
10	QPSK	1	0	22.76	22.80	22.67	0.2118	0.2138	0.2075
10	QPSK	1	25	22.56	22.53	22.60	0.2023	0.2009	0.2042
10	QPSK	1	49	22.58	22.58	22.52	0.2032	0.2032	0.2004
10	QPSK	25	0	21.70	21.81	21.76	0.1660	0.1702	0.1683
10	QPSK	25	12	21.74	21.79	21.66	0.1675	0.1694	0.1644
10	QPSK	25	25	21.59	21.71	21.67	0.1618	0.1663	0.1648
10	QPSK	50	0	21.68	21.91	21.61	0.1652	0.1742	0.1626
10	16QAM	1	0	21.72	21.73	21.86	0.1667	0.1671	0.1722
10	16QAM	1	25	21.80	21.90	21.69	0.1698	0.1738	0.1656
10	16QAM	1	49	21.75	21.87	21.78	0.1679	0.1726	0.1690
10	16QAM	25	0	20.68	20.67	20.72	0.1312	0.1309	0.1324
10	16QAM	25	12	20.78	20.67	20.87	0.1343	0.1309	0.1371
10	16QAM	25	25	20.74	20.82	20.83	0.1330	0.1355	0.1358
10	16QAM	50	0	20.89	20.82	20.75	0.1377	0.1355	0.1334
10	64QAM	1	0	20.74	20.75	20.80	0.1330	0.1334	0.1349
10	64QAM	1	25	20.63	20.82	20.75	0.1297	0.1355	0.1334
10	64QAM	1	49	20.73	20.64	20.71	0.1327	0.1300	0.1321
10	64QAM	25	0	19.70	19.74	19.95	0.1047	0.1057	0.1109
10	64QAM	25	12	19.92	19.70	19.68	0.1102	0.1047	0.1042
10	64QAM	25	25	19.80	19.85	19.82	0.1072	0.1084	0.1076
10	64QAM	50	0	19.70	19.67	19.90	0.1047	0.1040	0.1096
10	256QAM	1	0	18.18	18.21	18.06	0.0738	0.0743	0.0718
10	256QAM	1	25	18.15	18.16	18.17	0.0733	0.0735	0.0736
10	256QAM	1	49	18.24	18.19	18.20	0.0748	0.0740	0.0741
10	256QAM	25	0	18.17	17.99	18.27	0.0736	0.0706	0.0753
10	256QAM	25	12	18.07	18.19	18.15	0.0719	0.0740	0.0733
10	256QAM	25	25	18.14	18.00	17.96	0.0731	0.0708	0.0701
10	256QAM	50	0	18.20	18.24	18.03	0.0741	0.0748	0.0713
Channel				18625	18900	19175	18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5	1852.5	1880	1907.5
5	QPSK	1	0	22.76	22.80	22.66	0.2118	0.2138	0.2070
5	QPSK	1	12	22.59	22.57	22.67	0.2037	0.2028	0.2075
5	QPSK	1	24	22.55	22.54	22.50	0.2018	0.2014	0.1995
5	QPSK	12	0	21.69	21.82	21.77	0.1656	0.1706	0.1687



5	QPSK	12	7	21.71	21.76	21.61	0.1663	0.1683	0.1626
5	QPSK	12	13	21.61	21.76	21.69	0.1626	0.1683	0.1656
5	QPSK	25	0	21.70	21.83	21.70	0.1660	0.1710	0.1660
5	16QAM	1	0	21.81	21.69	21.83	0.1702	0.1656	0.1710
5	16QAM	1	12	21.83	21.90	21.65	0.1710	0.1738	0.1641
5	16QAM	1	24	21.72	21.90	21.75	0.1667	0.1738	0.1679
5	16QAM	12	0	20.70	20.72	20.70	0.1318	0.1324	0.1318
5	16QAM	12	7	20.78	20.68	20.86	0.1343	0.1312	0.1368
5	16QAM	12	13	20.75	20.74	20.75	0.1334	0.1330	0.1334
5	16QAM	25	0	20.80	20.78	20.70	0.1349	0.1343	0.1318
5	64QAM	1	0	20.77	20.79	20.79	0.1340	0.1346	0.1346
5	64QAM	1	12	20.63	20.74	20.71	0.1297	0.1330	0.1321
5	64QAM	1	24	20.74	20.64	20.74	0.1330	0.1300	0.1330
5	64QAM	12	0	19.72	19.81	19.85	0.1052	0.1074	0.1084
5	64QAM	12	7	19.83	19.72	19.67	0.1079	0.1052	0.1040
5	64QAM	12	13	19.78	19.86	19.81	0.1067	0.1086	0.1074
5	64QAM	25	0	19.71	19.67	19.95	0.1050	0.1040	0.1109
5	256QAM	1	0	18.22	18.27	18.02	0.0745	0.0753	0.0711
5	256QAM	1	12	18.20	18.13	18.21	0.0741	0.0729	0.0743
5	256QAM	1	24	18.22	18.23	18.17	0.0745	0.0746	0.0736
5	256QAM	12	0	18.24	18.04	18.19	0.0748	0.0714	0.0740
5	256QAM	12	7	18.01	18.10	18.15	0.0710	0.0724	0.0733
5	256QAM	12	13	18.23	18.06	18.02	0.0746	0.0718	0.0711
5	256QAM	25	0	18.12	18.21	18.03	0.0728	0.0743	0.0713
Channel				18615	18900	19185	18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5	1851.5	1880	1908.5
3	QPSK	1	0	22.77	22.80	22.68	0.2123	0.2138	0.2080
3	QPSK	1	8	22.62	22.57	22.63	0.2051	0.2028	0.2056
3	QPSK	1	14	22.60	22.63	22.59	0.2042	0.2056	0.2037
3	QPSK	8	0	21.77	21.84	21.75	0.1687	0.1714	0.1679
3	QPSK	8	4	21.78	21.85	21.67	0.1690	0.1718	0.1648
3	QPSK	8	7	21.61	21.68	21.63	0.1626	0.1652	0.1633
3	QPSK	15	0	21.62	21.84	21.64	0.1629	0.1714	0.1637
3	16QAM	1	0	21.74	21.72	21.89	0.1675	0.1667	0.1734
3	16QAM	1	8	21.83	21.87	21.59	0.1710	0.1726	0.1618
3	16QAM	1	14	21.74	21.82	21.74	0.1675	0.1706	0.1675



3	16QAM	8	0	20.66	20.71	20.63	0.1306	0.1321	0.1297
3	16QAM	8	4	20.79	20.73	20.77	0.1346	0.1327	0.1340
3	16QAM	8	7	20.71	20.76	20.77	0.1321	0.1337	0.1340
3	16QAM	15	0	20.88	20.81	20.66	0.1374	0.1352	0.1306
3	64QAM	1	0	20.76	20.81	20.80	0.1337	0.1352	0.1349
3	64QAM	1	8	20.64	20.76	20.75	0.1300	0.1337	0.1334
3	64QAM	1	14	20.69	20.64	20.68	0.1315	0.1300	0.1312
3	64QAM	8	0	19.69	19.83	19.89	0.1045	0.1079	0.1094
3	64QAM	8	4	19.83	19.79	19.69	0.1079	0.1069	0.1045
3	64QAM	8	7	19.84	19.89	19.72	0.1081	0.1094	0.1052
3	64QAM	15	0	19.66	19.76	19.89	0.1038	0.1062	0.1094
3	256QAM	1	0	18.26	18.23	18.06	0.0752	0.0746	0.0718
3	256QAM	1	8	18.25	18.21	18.20	0.0750	0.0743	0.0741
3	256QAM	1	14	18.15	18.13	18.14	0.0733	0.0729	0.0731
3	256QAM	8	0	18.19	17.96	18.23	0.0740	0.0701	0.0746
3	256QAM	8	4	18.01	18.18	18.08	0.0710	0.0738	0.0721
3	256QAM	8	7	18.24	17.97	17.98	0.0748	0.0703	0.0705
3	256QAM	15	0	18.20	18.25	18.02	0.0741	0.0750	0.0711
Channel				18607	18900	19193	18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3	1850.7	1880	1909.3
1.4	QPSK	1	0	22.75	22.75	22.71	0.2113	0.2113	0.2094
1.4	QPSK	1	3	22.67	22.60	22.62	0.2075	0.2042	0.2051
1.4	QPSK	1	5	22.60	22.56	22.55	0.2042	0.2023	0.2018
1.4	QPSK	3	0	21.70	21.78	21.78	0.1660	0.1690	0.1690
1.4	QPSK	3	1	21.70	21.81	21.60	0.1660	0.1702	0.1622
1.4	QPSK	3	3	21.62	21.69	21.61	0.1629	0.1656	0.1626
1.4	QPSK	6	0	21.67	21.87	21.67	0.1648	0.1726	0.1648
1.4	16QAM	1	0	21.80	21.67	21.82	0.1698	0.1648	0.1706
1.4	16QAM	1	3	21.78	21.88	21.63	0.1690	0.1730	0.1633
1.4	16QAM	1	5	21.80	21.89	21.79	0.1698	0.1734	0.1694
1.4	16QAM	3	0	20.68	20.66	20.65	0.1312	0.1306	0.1303
1.4	16QAM	3	1	20.75	20.77	20.77	0.1334	0.1340	0.1340
1.4	16QAM	3	3	20.78	20.76	20.85	0.1343	0.1337	0.1365
1.4	16QAM	6	0	20.88	20.81	20.63	0.1374	0.1352	0.1297
1.4	64QAM	1	0	20.72	20.82	20.86	0.1324	0.1355	0.1368
1.4	64QAM	1	3	20.67	20.79	20.65	0.1309	0.1346	0.1303



1.4	64QAM	1	5	20.67	20.69	20.76	0.1309	0.1315	0.1337
1.4	64QAM	3	0	19.72	19.77	19.86	0.1052	0.1064	0.1086
1.4	64QAM	3	1	19.92	19.79	19.64	0.1102	0.1069	0.1033
1.4	64QAM	3	3	19.85	19.87	19.80	0.1084	0.1089	0.1072
1.4	64QAM	6	0	19.73	19.74	19.91	0.1054	0.1057	0.1099
1.4	256QAM	1	0	18.21	18.25	18.03	0.0743	0.0750	0.0713
1.4	256QAM	1	3	18.25	18.10	18.18	0.0750	0.0724	0.0738
1.4	256QAM	1	5	18.18	18.16	18.21	0.0738	0.0735	0.0743
1.4	256QAM	3	0	18.23	18.02	18.18	0.0746	0.0711	0.0738
1.4	256QAM	3	1	18.08	18.14	18.10	0.0721	0.0731	0.0724
1.4	256QAM	3	3	18.17	18.02	18.07	0.0736	0.0711	0.0719
1.4	256QAM	6	0	18.22	18.18	18.02	0.0745	0.0738	0.0711

LTE Band 4 <Ant.0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP		
Channel				20050	20175	20300	20050	20175	20300
Frequency (MHz)				1720	1732.5	1745	1720	1732.5	1745
20	QPSK	1	0	22.85	23.16	23.00	0.2163	0.2323	0.2239
20	QPSK	1	49	23.06	23.01	22.88	0.2270	0.2244	0.2178
20	QPSK	1	99	23.03	22.90	22.92	0.2254	0.2188	0.2198
20	QPSK	50	0	22.09	22.18	22.10	0.1816	0.1854	0.1820
20	QPSK	50	24	22.11	22.12	22.15	0.1824	0.1828	0.1841
20	QPSK	50	50	22.00	22.03	22.06	0.1778	0.1791	0.1803
20	QPSK	100	0	22.02	22.23	22.06	0.1786	0.1875	0.1803
20	16QAM	1	0	22.14	21.98	22.01	0.1837	0.1770	0.1782
20	16QAM	1	49	22.14	22.11	22.22	0.1837	0.1824	0.1871
20	16QAM	1	99	21.99	22.05	22.09	0.1774	0.1799	0.1816
20	16QAM	50	0	21.13	21.07	21.13	0.1455	0.1435	0.1455
20	16QAM	50	24	21.16	20.98	21.15	0.1466	0.1406	0.1462
20	16QAM	50	50	21.01	20.97	21.08	0.1416	0.1403	0.1439
20	16QAM	100	0	21.10	20.94	21.06	0.1445	0.1393	0.1432
20	64QAM	1	0	21.10	20.97	21.11	0.1445	0.1403	0.1449
20	64QAM	1	49	20.99	21.03	21.07	0.1409	0.1422	0.1435
20	64QAM	1	99	20.93	21.01	21.09	0.1390	0.1416	0.1442



20	64QAM	50	0	20.13	20.15	20.20	0.1156	0.1161	0.1175
20	64QAM	50	24	20.30	20.29	20.15	0.1202	0.1199	0.1161
20	64QAM	50	50	20.22	20.08	20.20	0.1180	0.1143	0.1175
20	64QAM	100	0	20.33	20.21	20.23	0.1211	0.1178	0.1183
20	256QAM	1	0	18.07	17.92	18.02	0.0719	0.0695	0.0711
20	256QAM	1	49	18.05	17.87	17.93	0.0716	0.0687	0.0697
20	256QAM	1	99	17.87	18.09	18.00	0.0687	0.0723	0.0708
20	256QAM	50	0	18.02	17.89	18.04	0.0711	0.0690	0.0714
20	256QAM	50	24	18.04	17.98	18.03	0.0714	0.0705	0.0713
20	256QAM	50	50	18.12	18.09	18.05	0.0728	0.0723	0.0716
20	256QAM	100	0	18.04	18.03	18.09	0.0714	0.0713	0.0723
Channel				20025	20175	20325	20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5	1717.5	1732.5	1747.5
15	QPSK	1	0	22.67	22.98	22.90	0.2075	0.2228	0.2188
15	QPSK	1	37	22.93	22.84	22.70	0.2203	0.2158	0.2089
15	QPSK	1	74	22.87	22.81	22.78	0.2173	0.2143	0.2128
15	QPSK	36	0	21.97	22.02	21.90	0.1766	0.1786	0.1738
15	QPSK	36	20	21.91	21.92	22.05	0.1742	0.1746	0.1799
15	QPSK	36	39	22.02	21.94	21.96	0.1786	0.1754	0.1762
15	QPSK	75	0	21.91	22.14	21.86	0.1742	0.1837	0.1722
15	16QAM	1	0	21.97	21.80	21.86	0.1766	0.1698	0.1722
15	16QAM	1	37	21.94	22.01	22.02	0.1754	0.1782	0.1786
15	16QAM	1	74	21.84	21.96	21.94	0.1714	0.1762	0.1754
15	16QAM	36	0	20.95	20.94	21.04	0.1396	0.1393	0.1426
15	16QAM	36	20	21.00	20.77	21.06	0.1413	0.1340	0.1432
15	16QAM	36	39	20.81	20.82	20.98	0.1352	0.1355	0.1406
15	16QAM	75	0	20.91	20.81	20.88	0.1384	0.1352	0.1374
15	64QAM	1	0	20.95	20.77	20.95	0.1396	0.1340	0.1396
15	64QAM	1	37	20.87	20.85	20.88	0.1371	0.1365	0.1374
15	64QAM	1	74	20.72	20.82	20.94	0.1324	0.1355	0.1393
15	64QAM	36	0	20.01	19.99	20.02	0.1125	0.1119	0.1127
15	64QAM	36	20	20.15	20.09	20.05	0.1161	0.1146	0.1135
15	64QAM	36	39	20.02	19.89	20.03	0.1127	0.1094	0.1130
15	64QAM	75	0	20.14	20.04	20.12	0.1159	0.1132	0.1153
15	256QAM	1	0	17.89	17.75	17.91	0.0690	0.0668	0.0693
15	256QAM	1	37	17.87	17.72	17.79	0.0687	0.0664	0.0675



15	256QAM	1	74	17.70	17.89	17.81	0.0661	0.0690	0.0678
15	256QAM	36	0	17.82	17.72	17.94	0.0679	0.0664	0.0698
15	256QAM	36	20	17.84	17.88	17.91	0.0682	0.0689	0.0693
15	256QAM	36	39	18.03	17.98	17.86	0.0713	0.0705	0.0685
15	256QAM	75	0	17.94	17.91	17.94	0.0698	0.0693	0.0698
Channel				20000	20175	20350	20000	20175	20350
Frequency (MHz)				1715	1732.5	1750	1715	1732.5	1750
10	QPSK	1	0	22.67	23.00	22.85	0.2075	0.2239	0.2163
10	QPSK	1	25	22.92	22.83	22.77	0.2198	0.2153	0.2123
10	QPSK	1	49	22.84	22.76	22.71	0.2158	0.2118	0.2094
10	QPSK	25	0	21.90	22.02	21.90	0.1738	0.1786	0.1738
10	QPSK	25	12	21.95	21.97	21.97	0.1758	0.1766	0.1766
10	QPSK	25	25	22.03	21.93	21.93	0.1791	0.1750	0.1750
10	QPSK	50	0	21.85	22.04	21.96	0.1718	0.1795	0.1762
10	16QAM	1	0	22.04	21.77	21.85	0.1795	0.1687	0.1718
10	16QAM	1	25	21.95	22.00	22.03	0.1758	0.1778	0.1791
10	16QAM	1	49	21.83	21.93	22.00	0.1710	0.1750	0.1778
10	16QAM	25	0	20.96	20.95	21.00	0.1400	0.1396	0.1413
10	16QAM	25	12	20.96	20.80	20.98	0.1400	0.1349	0.1406
10	16QAM	25	25	20.88	20.76	20.95	0.1374	0.1337	0.1396
10	16QAM	50	0	20.94	20.75	20.95	0.1393	0.1334	0.1396
10	64QAM	1	0	20.94	20.83	20.91	0.1393	0.1358	0.1384
10	64QAM	1	25	20.78	20.83	20.96	0.1343	0.1358	0.1400
10	64QAM	1	49	20.79	20.88	20.96	0.1346	0.1374	0.1400
10	64QAM	25	0	20.02	20.05	20.00	0.1127	0.1135	0.1122
10	64QAM	25	12	20.10	20.13	19.98	0.1148	0.1156	0.1117
10	64QAM	25	25	20.08	19.95	20.08	0.1143	0.1109	0.1143
10	64QAM	50	0	20.16	20.06	20.05	0.1164	0.1138	0.1135
10	256QAM	1	0	17.90	17.81	17.82	0.0692	0.0678	0.0679
10	256QAM	1	25	17.89	17.74	17.76	0.0690	0.0667	0.0670
10	256QAM	1	49	17.66	17.97	17.84	0.0655	0.0703	0.0682
10	256QAM	25	0	17.84	17.71	17.92	0.0682	0.0662	0.0695
10	256QAM	25	12	17.92	17.82	17.91	0.0695	0.0679	0.0693
10	256QAM	25	25	17.94	17.94	17.93	0.0698	0.0698	0.0697
10	256QAM	50	0	17.85	17.88	17.94	0.0684	0.0689	0.0698
Channel				19975	20175	20375	19975	20175	20375



Frequency (MHz)				1712.5	1732.5	1752.5	1712.5	1732.5	1752.5
5	QPSK	1	0	22.66	23.02	22.85	0.2070	0.2249	0.2163
5	QPSK	1	12	22.88	22.81	22.74	0.2178	0.2143	0.2109
5	QPSK	1	24	22.83	22.72	22.80	0.2153	0.2099	0.2138
5	QPSK	12	0	21.96	21.98	21.99	0.1762	0.1770	0.1774
5	QPSK	12	7	21.99	21.97	21.96	0.1774	0.1766	0.1762
5	QPSK	12	13	22.03	21.90	21.90	0.1791	0.1738	0.1738
5	QPSK	25	0	21.85	22.10	21.91	0.1718	0.1820	0.1742
5	16QAM	1	0	22.02	21.82	21.88	0.1786	0.1706	0.1730
5	16QAM	1	12	22.05	22.01	22.06	0.1799	0.1782	0.1803
5	16QAM	1	24	21.85	21.90	21.98	0.1718	0.1738	0.1770
5	16QAM	12	0	21.04	20.96	20.97	0.1426	0.1400	0.1403
5	16QAM	12	7	21.06	20.80	20.97	0.1432	0.1349	0.1403
5	16QAM	12	13	20.91	20.79	20.94	0.1384	0.1346	0.1393
5	16QAM	25	0	20.91	20.74	20.93	0.1384	0.1330	0.1390
5	64QAM	1	0	20.97	20.76	20.98	0.1403	0.1337	0.1406
5	64QAM	1	12	20.78	20.87	20.87	0.1343	0.1371	0.1371
5	64QAM	1	24	20.73	20.83	20.89	0.1327	0.1358	0.1377
5	64QAM	12	0	19.95	20.06	20.00	0.1109	0.1138	0.1122
5	64QAM	12	7	20.17	20.15	19.96	0.1167	0.1161	0.1112
5	64QAM	12	13	20.12	19.90	19.99	0.1153	0.1096	0.1119
5	64QAM	25	0	20.18	20.08	20.09	0.1169	0.1143	0.1146
5	256QAM	1	0	17.92	17.79	17.86	0.0695	0.0675	0.0685
5	256QAM	1	12	17.88	17.74	17.76	0.0689	0.0667	0.0670
5	256QAM	1	24	17.76	17.94	17.85	0.0670	0.0698	0.0684
5	256QAM	12	0	17.88	17.68	17.86	0.0689	0.0658	0.0685
5	256QAM	12	7	17.85	17.88	17.94	0.0684	0.0689	0.0698
5	256QAM	12	13	17.97	17.92	17.95	0.0703	0.0695	0.0700
5	256QAM	25	0	17.85	17.84	17.93	0.0684	0.0682	0.0697
Channel				19965	20175	20385	19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5	1711.5	1732.5	1753.5
3	QPSK	1	0	22.68	23.07	22.85	0.2080	0.2275	0.2163
3	QPSK	1	8	22.85	22.82	22.78	0.2163	0.2148	0.2128
3	QPSK	1	14	22.83	22.69	22.83	0.2153	0.2084	0.2153
3	QPSK	8	0	21.99	22.08	21.93	0.1774	0.1811	0.1750
3	QPSK	8	4	21.98	22.02	22.04	0.1770	0.1786	0.1795



3	QPSK	8	7	22.02	21.87	21.87	0.1786	0.1726	0.1726
3	QPSK	15	0	21.83	22.03	21.91	0.1710	0.1791	0.1742
3	16QAM	1	0	21.95	21.82	21.80	0.1758	0.1706	0.1698
3	16QAM	1	8	21.94	21.91	22.08	0.1754	0.1742	0.1811
3	16QAM	1	14	21.82	21.89	21.89	0.1706	0.1734	0.1734
3	16QAM	8	0	20.98	20.94	20.96	0.1406	0.1393	0.1400
3	16QAM	8	4	21.02	20.85	20.98	0.1419	0.1365	0.1406
3	16QAM	8	7	20.81	20.76	20.97	0.1352	0.1337	0.1403
3	16QAM	15	0	20.92	20.81	20.88	0.1387	0.1352	0.1374
3	64QAM	1	0	21.01	20.78	20.92	0.1416	0.1343	0.1387
3	64QAM	1	8	20.79	20.86	20.94	0.1346	0.1368	0.1393
3	64QAM	1	14	20.82	20.81	20.91	0.1355	0.1352	0.1384
3	64QAM	8	0	20.01	20.02	20.01	0.1125	0.1127	0.1125
3	64QAM	8	4	20.13	20.12	20.04	0.1156	0.1153	0.1132
3	64QAM	8	7	20.09	19.97	20.05	0.1146	0.1114	0.1135
3	64QAM	15	0	20.16	20.11	20.08	0.1164	0.1151	0.1143
3	256QAM	1	0	17.87	17.76	17.85	0.0687	0.0670	0.0684
3	256QAM	1	8	17.85	17.74	17.73	0.0684	0.0667	0.0665
3	256QAM	1	14	17.76	17.90	17.84	0.0670	0.0692	0.0682
3	256QAM	8	0	17.86	17.73	17.89	0.0685	0.0665	0.0690
3	256QAM	8	4	17.87	17.80	17.90	0.0687	0.0676	0.0692
3	256QAM	8	7	17.96	17.89	17.91	0.0701	0.0690	0.0693
3	256QAM	15	0	17.94	17.85	17.98	0.0698	0.0684	0.0705
Channel				19957	20175	20393	19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3	1710.7	1732.5	1754.3
1.4	QPSK	1	0	22.64	23.04	22.85	0.2061	0.2259	0.2163
1.4	QPSK	1	3	22.78	22.77	22.70	0.2128	0.2123	0.2089
1.4	QPSK	1	5	22.76	22.70	22.79	0.2118	0.2089	0.2133
1.4	QPSK	3	0	22.19	22.58	22.40	0.1858	0.2032	0.1950
1.4	QPSK	3	1	22.11	22.53	22.37	0.1824	0.2009	0.1936
1.4	QPSK	3	3	22.14	22.51	22.30	0.1837	0.2000	0.1905
1.4	QPSK	6	0	22.09	22.53	22.39	0.1816	0.2009	0.1945
1.4	16QAM	1	0	22.09	22.56	22.32	0.1816	0.2023	0.1914
1.4	16QAM	1	3	22.09	22.50	22.38	0.1816	0.1995	0.1941
1.4	16QAM	1	5	22.20	22.50	22.30	0.1862	0.1995	0.1905
1.4	16QAM	3	0	21.18	21.51	21.30	0.1472	0.1589	0.1514



1.4	16QAM	3	1	21.12	21.51	21.40	0.1452	0.1589	0.1549
1.4	16QAM	3	3	21.19	21.59	21.34	0.1476	0.1618	0.1528
1.4	16QAM	6	0	21.09	21.52	21.37	0.1442	0.1592	0.1538
1.4	64QAM	1	0	21.08	21.49	21.40	0.1439	0.1581	0.1549
1.4	64QAM	1	3	21.19	21.49	21.29	0.1476	0.1581	0.1510
1.4	64QAM	1	5	21.10	21.56	21.40	0.1445	0.1607	0.1549
1.4	64QAM	3	0	20.30	20.72	20.53	0.1202	0.1324	0.1268
1.4	64QAM	3	1	20.34	20.77	20.59	0.1213	0.1340	0.1285
1.4	64QAM	3	3	20.30	20.74	20.53	0.1202	0.1330	0.1268
1.4	64QAM	6	0	20.33	20.69	20.60	0.1211	0.1315	0.1288
1.4	256QAM	1	0	17.84	17.77	17.82	0.0682	0.0671	0.0679
1.4	256QAM	1	3	17.85	17.69	17.70	0.0684	0.0659	0.0661
1.4	256QAM	1	5	17.67	17.81	17.74	0.0656	0.0678	0.0667
1.4	256QAM	3	0	17.81	17.66	17.90	0.0678	0.0655	0.0692
1.4	256QAM	3	1	17.79	17.77	17.85	0.0675	0.0671	0.0684
1.4	256QAM	3	3	17.86	17.83	17.85	0.0685	0.0681	0.0684
1.4	256QAM	6	0	17.87	17.80	17.93	0.0687	0.0676	0.0697

LTE Band 25 <Ant.0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP		
Channel				26140	26340	26590	26140	26340	26590
Frequency (MHz)				1860	1880	1905	1860	1880	1905
20	QPSK	1	0	22.95	22.98	22.93	0.2213	0.2228	0.2203
20	QPSK	1	49	22.83	22.84	22.78	0.2153	0.2158	0.2128
20	QPSK	1	99	22.94	22.94	22.92	0.2208	0.2208	0.2198
20	QPSK	50	0	22.03	22.17	21.97	0.1791	0.1849	0.1766
20	QPSK	50	24	21.99	22.07	22.02	0.1774	0.1807	0.1786
20	QPSK	50	50	22.11	22.04	22.15	0.1824	0.1795	0.1841
20	QPSK	100	0	22.00	22.18	22.08	0.1778	0.1854	0.1811
20	16QAM	1	0	21.93	22.14	22.08	0.1750	0.1837	0.1811
20	16QAM	1	49	21.94	21.98	22.13	0.1754	0.1770	0.1832
20	16QAM	1	99	21.98	22.00	22.05	0.1770	0.1778	0.1799
20	16QAM	50	0	21.09	21.01	20.92	0.1442	0.1416	0.1387
20	16QAM	50	24	21.04	20.97	21.04	0.1426	0.1403	0.1426



20	16QAM	50	50	20.97	20.90	21.08	0.1403	0.1380	0.1439
20	16QAM	100	0	21.08	21.06	20.98	0.1439	0.1432	0.1406
20	64QAM	1	0	21.07	20.99	21.10	0.1435	0.1409	0.1445
20	64QAM	1	49	21.02	21.07	21.04	0.1419	0.1435	0.1426
20	64QAM	1	99	20.90	20.93	20.98	0.1380	0.1390	0.1406
20	64QAM	50	0	20.01	20.04	19.97	0.1125	0.1132	0.1114
20	64QAM	50	24	20.03	20.10	20.03	0.1130	0.1148	0.1130
20	64QAM	50	50	19.96	20.05	20.04	0.1112	0.1135	0.1132
20	64QAM	100	0	19.99	19.92	20.01	0.1119	0.1102	0.1125
20	256QAM	1	0	18.21	18.07	18.18	0.0743	0.0719	0.0738
20	256QAM	1	49	18.20	18.05	18.20	0.0741	0.0716	0.0741
20	256QAM	1	99	18.03	18.14	18.01	0.0713	0.0731	0.0710
20	256QAM	50	0	18.04	18.22	18.04	0.0714	0.0745	0.0714
20	256QAM	50	24	17.99	18.02	18.13	0.0706	0.0711	0.0729
20	256QAM	50	50	18.01	18.13	18.05	0.0710	0.0729	0.0716
20	256QAM	100	0	18.22	18.18	18.00	0.0745	0.0738	0.0708
Channel				26115	26340	26615	26115	26340	26615
Frequency (MHz)				1857.5	1880	1907.5	1857.5	1880	1907.5
15	QPSK	1	0	22.85	22.89	22.82	0.2163	0.2183	0.2148
15	QPSK	1	37	22.74	22.76	22.65	0.2109	0.2118	0.2065
15	QPSK	1	74	22.90	22.89	22.85	0.2188	0.2183	0.2163
15	QPSK	36	0	21.94	22.05	21.89	0.1754	0.1799	0.1734
15	QPSK	36	20	21.93	22.01	21.92	0.1750	0.1782	0.1746
15	QPSK	36	39	21.99	21.96	22.11	0.1774	0.1762	0.1824
15	QPSK	75	0	21.90	22.14	22.04	0.1738	0.1837	0.1795
15	16QAM	1	0	21.81	22.06	22.02	0.1702	0.1803	0.1786
15	16QAM	1	37	21.82	21.86	22.06	0.1706	0.1722	0.1803
15	16QAM	1	74	21.87	21.88	21.95	0.1726	0.1730	0.1758
15	16QAM	36	0	21.06	20.94	20.84	0.1432	0.1393	0.1361
15	16QAM	36	20	20.93	20.91	20.99	0.1390	0.1384	0.1409
15	16QAM	36	39	20.89	20.81	20.95	0.1377	0.1352	0.1396
15	16QAM	75	0	20.99	20.94	20.89	0.1409	0.1393	0.1377
15	64QAM	1	0	21.01	20.93	20.99	0.1416	0.1390	0.1409
15	64QAM	1	37	20.95	20.98	21.01	0.1396	0.1406	0.1416
15	64QAM	1	74	20.79	20.90	20.87	0.1346	0.1380	0.1371
15	64QAM	36	0	19.96	19.95	19.91	0.1112	0.1109	0.1099



15	64QAM	36	20	19.91	20.06	19.94	0.1099	0.1138	0.1107
15	64QAM	36	39	19.84	20.00	20.00	0.1081	0.1122	0.1122
15	64QAM	75	0	19.95	19.80	19.91	0.1109	0.1072	0.1099
15	256QAM	1	0	18.15	17.95	18.09	0.0733	0.0700	0.0723
15	256QAM	1	37	18.08	18.01	18.10	0.0721	0.0710	0.0724
15	256QAM	1	74	17.98	18.07	17.91	0.0705	0.0719	0.0693
15	256QAM	36	0	17.98	18.14	17.99	0.0705	0.0731	0.0706
15	256QAM	36	20	17.88	17.96	18.01	0.0689	0.0701	0.0710
15	256QAM	36	39	17.98	18.09	18.02	0.0705	0.0723	0.0711
15	256QAM	75	0	18.12	18.08	17.93	0.0728	0.0721	0.0697
Channel				26090	26340	26640	26090	26340	26640
Frequency (MHz)				1855	1880	1910	1855	1880	1910
10	QPSK	1	0	22.90	22.91	22.87	0.2188	0.2193	0.2173
10	QPSK	1	25	22.76	22.76	22.72	0.2118	0.2118	0.2099
10	QPSK	1	49	22.83	22.83	22.88	0.2153	0.2153	0.2178
10	QPSK	25	0	21.96	22.12	21.86	0.1762	0.1828	0.1722
10	QPSK	25	12	21.93	22.00	21.94	0.1750	0.1778	0.1754
10	QPSK	25	25	22.00	21.98	22.03	0.1778	0.1770	0.1791
10	QPSK	50	0	21.88	22.07	22.04	0.1730	0.1807	0.1795
10	16QAM	1	0	21.87	22.08	21.96	0.1726	0.1811	0.1762
10	16QAM	1	25	21.87	21.94	22.02	0.1726	0.1754	0.1786
10	16QAM	1	49	21.89	21.89	21.92	0.1734	0.1734	0.1746
10	16QAM	25	0	21.05	20.93	20.83	0.1429	0.1390	0.1358
10	16QAM	25	12	20.93	20.87	20.97	0.1390	0.1371	0.1403
10	16QAM	25	25	20.88	20.83	21.00	0.1374	0.1358	0.1413
10	16QAM	50	0	21.00	20.93	20.95	0.1413	0.1390	0.1396
10	64QAM	1	0	21.01	20.88	20.99	0.1416	0.1374	0.1409
10	64QAM	1	25	20.97	21.00	20.95	0.1403	0.1413	0.1396
10	64QAM	1	49	20.86	20.89	20.90	0.1368	0.1377	0.1380
10	64QAM	25	0	19.91	19.99	19.84	0.1099	0.1119	0.1081
10	64QAM	25	12	19.90	20.06	19.92	0.1096	0.1138	0.1102
10	64QAM	25	25	19.88	20.00	19.92	0.1091	0.1122	0.1102
10	64QAM	50	0	19.91	19.86	19.93	0.1099	0.1086	0.1104
10	256QAM	1	0	18.15	17.97	18.07	0.0733	0.0703	0.0719
10	256QAM	1	25	18.07	17.97	18.12	0.0719	0.0703	0.0728
10	256QAM	1	49	17.93	18.04	17.97	0.0697	0.0714	0.0703



10	256QAM	25	0	17.91	18.17	17.93	0.0693	0.0736	0.0697
10	256QAM	25	12	17.90	17.92	18.07	0.0692	0.0695	0.0719
10	256QAM	25	25	17.96	18.08	17.96	0.0701	0.0721	0.0701
10	256QAM	50	0	18.12	18.07	17.93	0.0728	0.0719	0.0697
Channel				26065	26340	26665	26065	26340	26665
Frequency (MHz)				1852.5	1880	1912.5	1852.5	1880	1912.5
5	QPSK	1	0	22.86	22.86	22.83	0.2168	0.2168	0.2153
5	QPSK	1	12	22.74	22.76	22.71	0.2109	0.2118	0.2094
5	QPSK	1	24	22.86	22.84	22.85	0.2168	0.2158	0.2163
5	QPSK	12	0	21.96	22.11	21.89	0.1762	0.1824	0.1734
5	QPSK	12	7	21.87	21.99	21.94	0.1726	0.1774	0.1754
5	QPSK	12	13	22.03	21.94	22.09	0.1791	0.1754	0.1816
5	QPSK	25	0	21.89	22.10	21.96	0.1734	0.1820	0.1762
5	16QAM	1	0	21.89	22.06	22.02	0.1734	0.1803	0.1786
5	16QAM	1	12	21.87	21.94	22.06	0.1726	0.1754	0.1803
5	16QAM	1	24	21.90	21.90	22.01	0.1738	0.1738	0.1782
5	16QAM	12	0	21.02	20.90	20.82	0.1419	0.1380	0.1355
5	16QAM	12	7	20.92	20.91	20.99	0.1387	0.1384	0.1409
5	16QAM	12	13	20.89	20.78	21.02	0.1377	0.1343	0.1419
5	16QAM	25	0	21.01	20.95	20.88	0.1416	0.1396	0.1374
5	64QAM	1	0	21.03	20.87	20.99	0.1422	0.1371	0.1409
5	64QAM	1	12	20.92	21.01	20.95	0.1387	0.1416	0.1396
5	64QAM	1	24	20.84	20.80	20.93	0.1361	0.1349	0.1390
5	64QAM	12	0	19.95	19.96	19.88	0.1109	0.1112	0.1091
5	64QAM	12	7	19.95	20.00	19.95	0.1109	0.1122	0.1109
5	64QAM	12	13	19.86	19.94	19.93	0.1086	0.1107	0.1104
5	64QAM	25	0	19.88	19.87	19.92	0.1091	0.1089	0.1102
5	256QAM	1	0	18.12	18.00	18.12	0.0728	0.0708	0.0728
5	256QAM	1	12	18.16	17.99	18.08	0.0735	0.0706	0.0721
5	256QAM	1	24	17.96	18.01	17.91	0.0701	0.0710	0.0693
5	256QAM	12	0	17.98	18.12	17.96	0.0705	0.0728	0.0701
5	256QAM	12	7	17.93	17.97	18.06	0.0697	0.0703	0.0718
5	256QAM	12	13	17.93	18.03	17.98	0.0697	0.0713	0.0705
5	256QAM	25	0	18.17	18.08	17.87	0.0736	0.0721	0.0687
Channel				26055	26340	26675	26055	26340	26675
Frequency (MHz)				1851.5	1880	1913.5	1851.5	1880	1913.5



3	QPSK	1	0	22.86	22.86	22.88	0.2168	0.2168	0.2178
3	QPSK	1	8	22.80	22.79	22.74	0.2138	0.2133	0.2109
3	QPSK	1	14	22.87	22.86	22.89	0.2173	0.2168	0.2183
3	QPSK	8	0	21.98	22.08	21.87	0.1770	0.1811	0.1726
3	QPSK	8	4	21.95	22.02	21.94	0.1758	0.1786	0.1754
3	QPSK	8	7	22.07	22.00	22.09	0.1807	0.1778	0.1816
3	QPSK	15	0	21.96	22.09	22.03	0.1762	0.1816	0.1791
3	16QAM	1	0	21.80	22.01	21.96	0.1698	0.1782	0.1762
3	16QAM	1	8	21.82	21.93	22.00	0.1706	0.1750	0.1778
3	16QAM	1	14	21.86	21.89	22.00	0.1722	0.1734	0.1778
3	16QAM	8	0	20.97	20.92	20.81	0.1403	0.1387	0.1352
3	16QAM	8	4	21.01	20.87	20.96	0.1416	0.1371	0.1400
3	16QAM	8	7	20.91	20.85	20.98	0.1384	0.1365	0.1406
3	16QAM	15	0	20.99	21.00	20.85	0.1409	0.1413	0.1365
3	64QAM	1	0	20.99	20.88	21.03	0.1409	0.1374	0.1422
3	64QAM	1	8	20.93	21.02	21.01	0.1390	0.1419	0.1416
3	64QAM	1	14	20.77	20.89	20.91	0.1340	0.1377	0.1384
3	64QAM	8	0	19.89	19.97	19.86	0.1094	0.1114	0.1086
3	64QAM	8	4	19.99	20.02	20.00	0.1119	0.1127	0.1122
3	64QAM	8	7	19.87	19.98	19.99	0.1089	0.1117	0.1119
3	64QAM	15	0	19.93	19.85	19.96	0.1104	0.1084	0.1112
3	256QAM	1	0	18.13	18.00	18.07	0.0729	0.0708	0.0719
3	256QAM	1	8	18.16	17.96	18.10	0.0735	0.0701	0.0724
3	256QAM	1	14	17.99	18.10	17.97	0.0706	0.0724	0.0703
3	256QAM	8	0	17.99	18.14	17.93	0.0706	0.0731	0.0697
3	256QAM	8	4	17.94	17.90	18.02	0.0698	0.0692	0.0711
3	256QAM	8	7	17.95	18.07	17.99	0.0700	0.0719	0.0706
3	256QAM	15	0	18.10	18.05	17.94	0.0724	0.0716	0.0698
Channel				26047	26340	26683	26047	26340	26683
Frequency (MHz)				1850.7	1880	1914.3	1850.7	1880	1914.3
1.4	QPSK	1	0	22.88	22.93	22.83	0.2178	0.2203	0.2153
1.4	QPSK	1	3	22.76	22.74	22.72	0.2118	0.2109	0.2099
1.4	QPSK	1	5	22.85	22.81	22.79	0.2163	0.2143	0.2133
1.4	QPSK	3	0	21.94	22.11	21.91	0.1754	0.1824	0.1742
1.4	QPSK	3	1	21.95	21.96	21.91	0.1758	0.1762	0.1742
1.4	QPSK	3	3	22.05	21.94	22.12	0.1799	0.1754	0.1828



1.4	QPSK	6	0	21.87	22.13	22.01	0.1726	0.1832	0.1782
1.4	16QAM	1	0	21.85	22.03	22.00	0.1718	0.1791	0.1778
1.4	16QAM	1	3	21.86	21.90	22.05	0.1722	0.1738	0.1799
1.4	16QAM	1	5	21.90	21.93	22.01	0.1738	0.1750	0.1782
1.4	16QAM	3	0	21.03	20.98	20.89	0.1422	0.1406	0.1377
1.4	16QAM	3	1	21.01	20.90	20.94	0.1416	0.1380	0.1393
1.4	16QAM	3	3	20.90	20.80	20.96	0.1380	0.1349	0.1400
1.4	16QAM	6	0	20.95	21.01	20.93	0.1396	0.1416	0.1390
1.4	64QAM	1	0	21.01	20.86	21.07	0.1416	0.1368	0.1435
1.4	64QAM	1	3	20.99	21.04	20.96	0.1409	0.1426	0.1400
1.4	64QAM	1	5	20.81	20.84	20.93	0.1352	0.1361	0.1390
1.4	64QAM	3	0	19.95	19.98	19.94	0.1109	0.1117	0.1107
1.4	64QAM	3	1	19.94	20.04	19.97	0.1107	0.1132	0.1114
1.4	64QAM	3	3	19.87	19.97	19.94	0.1089	0.1114	0.1107
1.4	64QAM	6	0	19.90	19.84	19.93	0.1096	0.1081	0.1104
1.4	256QAM	1	0	18.11	18.01	18.09	0.0726	0.0710	0.0723
1.4	256QAM	1	3	18.10	17.97	18.13	0.0724	0.0703	0.0729
1.4	256QAM	1	5	17.99	18.02	17.92	0.0706	0.0711	0.0695
1.4	256QAM	3	0	17.92	18.17	17.95	0.0695	0.0736	0.0700
1.4	256QAM	3	1	17.94	17.92	18.08	0.0698	0.0695	0.0721
1.4	256QAM	3	3	17.97	18.01	17.94	0.0703	0.0710	0.0698
1.4	256QAM	6	0	18.15	18.09	17.96	0.0733	0.0723	0.0701

LTE Band 66 <Ant.0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP		
Channel				132072	132322	132572	132072	132322	132572
Frequency (MHz)				1720	1745	1770	1720	1745	1770
20	QPSK	1	0	23.18	23.19	23.02	0.2333	0.2339	0.2249
20	QPSK	1	49	22.98	23.12	22.98	0.2228	0.2301	0.2228
20	QPSK	1	99	23.11	22.97	23.11	0.2296	0.2223	0.2296
20	QPSK	50	0	22.26	22.29	22.16	0.1888	0.1901	0.1845
20	QPSK	50	24	22.18	22.13	22.28	0.1854	0.1832	0.1897
20	QPSK	50	50	22.26	22.12	22.24	0.1888	0.1828	0.1879
20	QPSK	100	0	21.99	22.17	22.12	0.1774	0.1849	0.1828



20	16QAM	1	0	22.02	22.02	22.17	0.1786	0.1786	0.1849
20	16QAM	1	49	22.12	22.02	22.09	0.1828	0.1786	0.1816
20	16QAM	1	99	22.13	21.98	22.10	0.1832	0.1770	0.1820
20	16QAM	50	0	21.12	20.97	21.14	0.1452	0.1403	0.1459
20	16QAM	50	24	21.12	20.98	20.96	0.1452	0.1406	0.1400
20	16QAM	50	50	21.10	20.98	21.01	0.1445	0.1406	0.1416
20	16QAM	100	0	21.10	21.04	20.96	0.1445	0.1426	0.1400
20	64QAM	1	0	21.13	21.05	20.95	0.1455	0.1429	0.1396
20	64QAM	1	49	20.95	20.97	20.99	0.1396	0.1403	0.1409
20	64QAM	1	99	21.01	20.94	21.02	0.1416	0.1393	0.1419
20	64QAM	50	0	20.14	20.19	20.20	0.1159	0.1172	0.1175
20	64QAM	50	24	20.15	20.25	20.02	0.1161	0.1189	0.1127
20	64QAM	50	50	20.05	20.04	20.11	0.1135	0.1132	0.1151
20	64QAM	100	0	20.11	20.17	20.15	0.1151	0.1167	0.1161
20	256QAM	1	0	18.32	18.20	18.15	0.0762	0.0741	0.0733
20	256QAM	1	49	18.21	18.24	18.17	0.0743	0.0748	0.0736
20	256QAM	1	99	18.13	18.33	18.18	0.0729	0.0764	0.0738
20	256QAM	50	0	18.20	18.36	18.29	0.0741	0.0769	0.0757
20	256QAM	50	24	18.20	18.22	18.24	0.0741	0.0745	0.0748
20	256QAM	50	50	18.36	18.31	18.15	0.0769	0.0760	0.0733
20	256QAM	100	0	18.21	18.36	18.30	0.0743	0.0769	0.0759
Channel				132047	132322	132597	132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5	1717.5	1745	1772.5
15	QPSK	1	0	23.12	23.13	22.94	0.2301	0.2307	0.2208
15	QPSK	1	37	22.91	23.07	22.93	0.2193	0.2275	0.2203
15	QPSK	1	74	23.05	22.84	23.02	0.2265	0.2158	0.2249
15	QPSK	36	0	22.20	22.21	22.13	0.1862	0.1866	0.1832
15	QPSK	36	20	22.08	22.06	22.16	0.1811	0.1803	0.1845
15	QPSK	36	39	22.18	22.05	22.12	0.1854	0.1799	0.1828
15	QPSK	75	0	21.91	22.05	22.08	0.1742	0.1799	0.1811
15	16QAM	1	0	21.92	21.98	22.05	0.1746	0.1770	0.1799
15	16QAM	1	37	22.06	21.90	21.96	0.1803	0.1738	0.1762
15	16QAM	1	74	22.07	21.87	22.02	0.1807	0.1726	0.1786
15	16QAM	36	0	21.07	20.90	21.06	0.1435	0.1380	0.1432
15	16QAM	36	20	21.00	20.90	20.83	0.1413	0.1380	0.1358
15	16QAM	36	39	21.02	20.85	20.93	0.1419	0.1365	0.1390



15	16QAM	75	0	20.98	20.93	20.92	0.1406	0.1390	0.1387
15	64QAM	1	0	21.09	20.95	20.82	0.1442	0.1396	0.1355
15	64QAM	1	37	20.85	20.84	20.88	0.1365	0.1361	0.1374
15	64QAM	1	74	20.96	20.90	20.89	0.1400	0.1380	0.1377
15	64QAM	36	0	20.02	20.14	20.08	0.1127	0.1159	0.1143
15	64QAM	36	20	20.07	20.15	19.89	0.1140	0.1161	0.1094
15	64QAM	36	39	19.99	19.98	20.05	0.1119	0.1117	0.1135
15	64QAM	75	0	20.07	20.05	20.05	0.1140	0.1135	0.1135
15	256QAM	1	0	18.22	18.17	18.08	0.0745	0.0736	0.0721
15	256QAM	1	37	18.17	18.19	18.11	0.0736	0.0740	0.0726
15	256QAM	1	74	18.03	18.23	18.07	0.0713	0.0746	0.0719
15	256QAM	36	0	18.09	18.23	18.23	0.0723	0.0746	0.0746
15	256QAM	36	20	18.16	18.19	18.13	0.0735	0.0740	0.0729
15	256QAM	36	39	18.29	18.19	18.07	0.0757	0.0740	0.0719
15	256QAM	75	0	18.16	18.30	18.20	0.0735	0.0759	0.0741
Channel				132022	132322	132622	132022	132322	132622
Frequency (MHz)				1715	1745	1775	1715	1745	1775
10	QPSK	1	0	23.10	23.11	22.97	0.2291	0.2296	0.2223
10	QPSK	1	25	22.92	23.01	22.91	0.2198	0.2244	0.2193
10	QPSK	1	49	23.07	22.86	23.03	0.2275	0.2168	0.2254
10	QPSK	25	0	22.14	22.21	22.07	0.1837	0.1866	0.1807
10	QPSK	25	12	22.06	22.04	22.16	0.1803	0.1795	0.1845
10	QPSK	25	25	22.18	22.07	22.21	0.1854	0.1807	0.1866
10	QPSK	50	0	21.86	22.09	22.09	0.1722	0.1816	0.1816
10	16QAM	1	0	21.89	21.93	22.14	0.1734	0.1750	0.1837
10	16QAM	1	25	22.04	21.96	21.96	0.1795	0.1762	0.1762
10	16QAM	1	49	22.08	21.88	21.98	0.1811	0.1730	0.1770
10	16QAM	25	0	21.07	20.85	21.09	0.1435	0.1365	0.1442
10	16QAM	25	12	21.03	20.86	20.89	0.1422	0.1368	0.1377
10	16QAM	25	25	20.99	20.92	20.97	0.1409	0.1387	0.1403
10	16QAM	50	0	21.01	20.98	20.85	0.1416	0.1406	0.1365
10	64QAM	1	0	21.09	20.93	20.83	0.1442	0.1390	0.1358
10	64QAM	1	25	20.85	20.93	20.88	0.1365	0.1390	0.1374
10	64QAM	1	49	20.89	20.91	20.94	0.1377	0.1384	0.1393
10	64QAM	25	0	20.06	20.16	20.14	0.1138	0.1164	0.1159
10	64QAM	25	12	20.08	20.17	19.91	0.1143	0.1167	0.1099



10	64QAM	25	25	19.97	19.96	19.99	0.1114	0.1112	0.1119
10	64QAM	50	0	20.00	20.07	20.11	0.1122	0.1140	0.1151
10	256QAM	1	0	18.23	18.15	18.02	0.0746	0.0733	0.0711
10	256QAM	1	25	18.12	18.14	18.13	0.0728	0.0731	0.0729
10	256QAM	1	49	18.06	18.20	18.07	0.0718	0.0741	0.0719
10	256QAM	25	0	18.15	18.25	18.20	0.0733	0.0750	0.0741
10	256QAM	25	12	18.12	18.13	18.20	0.0728	0.0729	0.0741
10	256QAM	25	25	18.30	18.28	18.03	0.0759	0.0755	0.0713
10	256QAM	50	0	18.08	18.31	18.17	0.0721	0.0760	0.0736
Channel				131997	132322	132647	131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5	1712.5	1745	1777.5
5	QPSK	1	0	23.07	23.12	22.99	0.2275	0.2301	0.2234
5	QPSK	1	12	22.87	23.03	22.90	0.2173	0.2254	0.2188
5	QPSK	1	24	23.01	22.87	23.06	0.2244	0.2173	0.2270
5	QPSK	12	0	22.16	22.17	22.12	0.1845	0.1849	0.1828
5	QPSK	12	7	22.09	22.02	22.18	0.1816	0.1786	0.1854
5	QPSK	12	13	22.15	22.07	22.13	0.1841	0.1807	0.1832
5	QPSK	25	0	21.96	22.13	22.00	0.1762	0.1832	0.1778
5	16QAM	1	0	21.94	21.97	22.08	0.1754	0.1766	0.1811
5	16QAM	1	12	22.04	21.95	22.03	0.1795	0.1758	0.1791
5	16QAM	1	24	22.05	21.86	22.03	0.1799	0.1722	0.1791
5	16QAM	12	0	21.06	20.91	21.03	0.1432	0.1384	0.1422
5	16QAM	12	7	21.00	20.89	20.92	0.1413	0.1377	0.1387
5	16QAM	12	13	21.02	20.90	20.93	0.1419	0.1380	0.1390
5	16QAM	25	0	20.97	20.96	20.86	0.1403	0.1400	0.1368
5	64QAM	1	0	21.06	20.97	20.91	0.1432	0.1403	0.1384
5	64QAM	1	12	20.83	20.84	20.87	0.1358	0.1361	0.1371
5	64QAM	1	24	20.90	20.86	20.96	0.1380	0.1368	0.1400
5	64QAM	12	0	20.10	20.10	20.16	0.1148	0.1148	0.1164
5	64QAM	12	7	20.09	20.22	19.90	0.1146	0.1180	0.1096
5	64QAM	12	13	20.02	19.99	20.04	0.1127	0.1119	0.1132
5	64QAM	25	0	20.03	20.10	20.12	0.1130	0.1148	0.1153
5	256QAM	1	0	18.26	18.09	18.02	0.0752	0.0723	0.0711
5	256QAM	1	12	18.13	18.16	18.06	0.0729	0.0735	0.0718
5	256QAM	1	24	18.07	18.29	18.15	0.0719	0.0757	0.0733
5	256QAM	12	0	18.12	18.28	18.17	0.0728	0.0755	0.0736



5	256QAM	12	7	18.16	18.10	18.13	0.0735	0.0724	0.0729
5	256QAM	12	13	18.24	18.20	18.04	0.0748	0.0741	0.0714
5	256QAM	25	0	18.17	18.32	18.19	0.0736	0.0762	0.0740
Channel				131987	132322	132657	131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5	1711.5	1745	1778.5
3	QPSK	1	0	23.10	23.09	22.98	0.2291	0.2286	0.2228
3	QPSK	1	8	22.88	23.08	22.92	0.2178	0.2280	0.2198
3	QPSK	1	14	23.07	22.85	23.05	0.2275	0.2163	0.2265
3	QPSK	8	0	22.16	22.23	22.10	0.1845	0.1875	0.1820
3	QPSK	8	4	22.10	22.05	22.22	0.1820	0.1799	0.1871
3	QPSK	8	7	22.21	22.07	22.19	0.1866	0.1807	0.1858
3	QPSK	15	0	21.91	22.09	22.08	0.1742	0.1816	0.1811
3	16QAM	1	0	21.90	21.97	22.10	0.1738	0.1766	0.1820
3	16QAM	1	8	22.08	21.91	22.01	0.1811	0.1742	0.1782
3	16QAM	1	14	22.09	21.93	22.05	0.1816	0.1750	0.1799
3	16QAM	8	0	21.00	20.84	21.04	0.1413	0.1361	0.1426
3	16QAM	8	4	21.03	20.93	20.92	0.1422	0.1390	0.1387
3	16QAM	8	7	21.05	20.85	20.90	0.1429	0.1365	0.1380
3	16QAM	15	0	20.99	20.96	20.89	0.1409	0.1400	0.1377
3	64QAM	1	0	21.01	20.98	20.86	0.1416	0.1406	0.1368
3	64QAM	1	8	20.91	20.86	20.90	0.1384	0.1368	0.1380
3	64QAM	1	14	20.93	20.88	20.91	0.1390	0.1374	0.1384
3	64QAM	8	0	20.10	20.08	20.11	0.1148	0.1143	0.1151
3	64QAM	8	4	20.02	20.13	19.91	0.1127	0.1156	0.1099
3	64QAM	8	7	19.95	19.94	19.99	0.1109	0.1107	0.1119
3	64QAM	15	0	20.01	20.09	20.11	0.1125	0.1146	0.1151
3	256QAM	1	0	18.27	18.09	18.10	0.0753	0.0723	0.0724
3	256QAM	1	8	18.10	18.19	18.08	0.0724	0.0740	0.0721
3	256QAM	1	14	18.00	18.20	18.10	0.0708	0.0741	0.0724
3	256QAM	8	0	18.08	18.24	18.17	0.0721	0.0748	0.0736
3	256QAM	8	4	18.13	18.19	18.18	0.0729	0.0740	0.0738
3	256QAM	8	7	18.28	18.26	18.07	0.0755	0.0752	0.0719
3	256QAM	15	0	18.10	18.26	18.22	0.0724	0.0752	0.0745
Channel				131979	132322	132665	131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3	1710.7	1745	1779.3
1.4	QPSK	1	0	23.12	23.16	22.92	0.2301	0.2323	0.2198



1.4	QPSK	1	3	22.91	23.07	22.89	0.2193	0.2275	0.2183
1.4	QPSK	1	5	22.98	22.88	23.00	0.2228	0.2178	0.2239
1.4	QPSK	3	0	22.21	22.25	22.12	0.1866	0.1884	0.1828
1.4	QPSK	3	1	22.07	22.09	22.15	0.1807	0.1816	0.1841
1.4	QPSK	3	3	22.18	22.03	22.13	0.1854	0.1791	0.1832
1.4	QPSK	6	0	21.96	22.10	22.04	0.1762	0.1820	0.1795
1.4	16QAM	1	0	21.94	21.92	22.10	0.1754	0.1746	0.1820
1.4	16QAM	1	3	22.02	21.89	21.97	0.1786	0.1734	0.1766
1.4	16QAM	1	5	22.02	21.85	21.99	0.1786	0.1718	0.1774
1.4	16QAM	3	0	20.99	20.93	21.07	0.1409	0.1390	0.1435
1.4	16QAM	3	1	21.03	20.88	20.84	0.1422	0.1374	0.1361
1.4	16QAM	3	3	21.05	20.88	20.94	0.1429	0.1374	0.1393
1.4	16QAM	6	0	20.99	21.00	20.84	0.1409	0.1413	0.1361
1.4	64QAM	1	0	21.06	20.97	20.86	0.1432	0.1403	0.1368
1.4	64QAM	1	3	20.83	20.86	20.92	0.1358	0.1368	0.1387
1.4	64QAM	1	5	20.96	20.88	20.91	0.1400	0.1374	0.1384
1.4	64QAM	3	0	20.09	20.08	20.11	0.1146	0.1143	0.1151
1.4	64QAM	3	1	20.07	20.14	19.92	0.1140	0.1159	0.1102
1.4	64QAM	3	3	19.93	20.00	20.00	0.1104	0.1122	0.1122
1.4	64QAM	6	0	19.98	20.09	20.09	0.1117	0.1146	0.1146
1.4	256QAM	1	0	18.24	18.08	18.04	0.0748	0.0721	0.0714
1.4	256QAM	1	3	18.09	18.19	18.07	0.0723	0.0740	0.0719
1.4	256QAM	1	5	18.06	18.21	18.10	0.0718	0.0743	0.0724
1.4	256QAM	3	0	18.08	18.26	18.17	0.0721	0.0752	0.0736
1.4	256QAM	3	1	18.10	18.11	18.19	0.0724	0.0726	0.0740
1.4	256QAM	3	3	18.26	18.19	18.02	0.0752	0.0740	0.0711
1.4	256QAM	6	0	18.13	18.28	18.17	0.0729	0.0755	0.0736



LTE Band 5 <Ant.1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP		
Channel				20450	20525	20600	20450	20525	20600
Frequency (MHz)				829	836.5	844	829	836.5	844
10	QPSK	1	0	23.48	23.52	23.47	0.0607	0.0612	0.0605
10	QPSK	1	25	23.17	23.43	23.35	0.0565	0.0600	0.0589
10	QPSK	1	49	23.39	23.28	23.37	0.0594	0.0579	0.0592
10	QPSK	25	0	22.56	22.60	22.47	0.0491	0.0495	0.0481
10	QPSK	25	12	22.35	22.34	22.52	0.0468	0.0467	0.0486
10	QPSK	25	25	22.51	22.32	22.53	0.0485	0.0465	0.0488
10	QPSK	50	0	22.42	22.52	22.44	0.0475	0.0486	0.0478
10	16QAM	1	0	22.42	22.42	22.29	0.0475	0.0475	0.0461
10	16QAM	1	25	22.36	22.27	22.47	0.0469	0.0459	0.0481
10	16QAM	1	49	22.38	22.45	22.39	0.0471	0.0479	0.0472
10	16QAM	25	0	21.56	21.36	21.53	0.0390	0.0372	0.0387
10	16QAM	25	12	21.56	21.39	21.34	0.0390	0.0375	0.0371
10	16QAM	25	25	21.50	21.41	21.52	0.0385	0.0377	0.0386
10	16QAM	50	0	21.46	21.27	21.33	0.0381	0.0365	0.0370
10	64QAM	1	0	21.49	21.40	21.44	0.0384	0.0376	0.0379
10	64QAM	1	25	21.35	21.31	21.37	0.0372	0.0368	0.0373
10	64QAM	1	49	21.29	21.37	21.53	0.0366	0.0373	0.0387
10	64QAM	25	0	20.57	20.43	20.61	0.0310	0.0301	0.0313
10	64QAM	25	12	20.64	20.57	20.47	0.0316	0.0310	0.0303
10	64QAM	25	25	20.52	20.29	20.52	0.0307	0.0291	0.0307
10	64QAM	50	0	20.67	20.51	20.50	0.0318	0.0306	0.0305
10	256QAM	1	0	18.46	18.14	18.21	0.0191	0.0177	0.0180
10	256QAM	1	25	18.41	18.31	18.11	0.0189	0.0185	0.0176
10	256QAM	1	49	18.12	18.32	18.33	0.0177	0.0185	0.0185
10	256QAM	25	0	18.16	18.21	18.45	0.0178	0.0180	0.0191
10	256QAM	25	12	18.36	18.32	18.55	0.0187	0.0185	0.0195
10	256QAM	25	25	18.37	18.44	18.26	0.0187	0.0190	0.0182
10	256QAM	50	0	18.26	18.29	18.54	0.0182	0.0184	0.0195
Channel				20425	20525	20625	20425	20525	20650
Frequency (MHz)				826.5	836.5	846.5	826.5	836.5	849



5	QPSK	1	0	23.25	23.45	23.30	0.0575	0.0603	0.0582
5	QPSK	1	12	23.13	23.30	23.27	0.0560	0.0582	0.0578
5	QPSK	1	24	23.23	23.17	23.28	0.0573	0.0565	0.0579
5	QPSK	12	0	22.40	22.47	22.33	0.0473	0.0481	0.0466
5	QPSK	12	7	22.19	22.27	22.32	0.0451	0.0459	0.0465
5	QPSK	12	13	22.35	22.23	22.41	0.0468	0.0455	0.0474
5	QPSK	25	0	22.31	22.43	22.33	0.0463	0.0476	0.0466
5	16QAM	1	0	22.38	22.30	22.21	0.0471	0.0462	0.0453
5	16QAM	1	12	22.18	22.22	22.35	0.0450	0.0454	0.0468
5	16QAM	1	24	22.18	22.36	22.17	0.0450	0.0469	0.0449
5	16QAM	12	0	21.36	21.28	21.40	0.0372	0.0366	0.0376
5	16QAM	12	7	21.45	21.23	21.28	0.0380	0.0361	0.0366
5	16QAM	12	13	21.34	21.30	21.32	0.0371	0.0367	0.0369
5	16QAM	25	0	21.32	21.16	21.14	0.0369	0.0356	0.0354
5	64QAM	1	0	21.32	21.26	21.30	0.0369	0.0364	0.0367
5	64QAM	1	12	21.21	21.18	21.22	0.0360	0.0357	0.0361
5	64QAM	1	24	21.17	21.23	21.45	0.0356	0.0361	0.0380
5	64QAM	12	0	20.45	20.36	20.52	0.0302	0.0296	0.0307
5	64QAM	12	7	20.47	20.40	20.27	0.0303	0.0299	0.0290
5	64QAM	12	13	20.41	20.14	20.38	0.0299	0.0281	0.0297
5	64QAM	25	0	20.50	20.44	20.38	0.0305	0.0301	0.0297
5	256QAM	1	0	18.36	18.06	18.15	0.0187	0.0174	0.0178
5	256QAM	1	12	18.23	18.12	18.01	0.0181	0.0177	0.0172
5	256QAM	1	24	18.02	18.18	18.26	0.0173	0.0179	0.0182
5	256QAM	12	0	18.10	18.09	18.27	0.0176	0.0175	0.0183
5	256QAM	12	7	18.17	18.18	18.43	0.0179	0.0179	0.0190
5	256QAM	12	13	18.27	18.27	18.12	0.0183	0.0183	0.0177
5	256QAM	25	0	18.22	18.14	18.38	0.0181	0.0177	0.0187
Channel				20415	20525	20635	20415	20525	20650
Frequency (MHz)				825.5	836.5	847.5	825.5	836.5	849
3	QPSK	1	0	23.32	23.49	23.38	0.0585	0.0608	0.0593
3	QPSK	1	8	23.10	23.32	23.29	0.0556	0.0585	0.0581
3	QPSK	1	14	23.25	23.13	23.20	0.0575	0.0560	0.0569
3	QPSK	8	0	22.39	22.40	22.26	0.0472	0.0473	0.0458
3	QPSK	8	4	22.27	22.23	22.39	0.0459	0.0455	0.0472
3	QPSK	8	7	22.41	22.14	22.39	0.0474	0.0446	0.0472



3	QPSK	15	0	22.38	22.33	22.33	0.0471	0.0466	0.0466
3	16QAM	1	0	22.31	22.32	22.20	0.0463	0.0465	0.0452
3	16QAM	1	8	22.11	22.21	22.34	0.0443	0.0453	0.0467
3	16QAM	1	14	22.23	22.33	22.27	0.0455	0.0466	0.0459
3	16QAM	8	0	21.52	21.10	21.41	0.0386	0.0351	0.0377
3	16QAM	8	4	21.43	21.22	21.19	0.0378	0.0361	0.0358
3	16QAM	8	7	21.39	21.27	21.43	0.0375	0.0365	0.0378
3	16QAM	15	0	21.31	21.07	21.25	0.0368	0.0348	0.0363
3	64QAM	1	0	21.27	21.18	21.40	0.0365	0.0357	0.0376
3	64QAM	1	8	21.20	21.14	21.25	0.0359	0.0354	0.0363
3	64QAM	1	14	21.21	21.23	21.50	0.0360	0.0361	0.0385
3	64QAM	8	0	20.38	20.31	20.49	0.0297	0.0292	0.0305
3	64QAM	8	4	20.52	20.43	20.35	0.0307	0.0301	0.0295
3	64QAM	8	7	20.42	20.16	20.41	0.0300	0.0282	0.0299
3	64QAM	15	0	20.59	20.39	20.37	0.0312	0.0298	0.0296
3	256QAM	1	0	18.39	18.04	18.13	0.0188	0.0173	0.0177
3	256QAM	1	8	18.27	18.09	18.02	0.0183	0.0175	0.0173
3	256QAM	1	14	17.97	18.15	18.16	0.0171	0.0178	0.0178
3	256QAM	8	0	18.08	18.06	18.27	0.0175	0.0174	0.0183
3	256QAM	8	4	18.29	18.25	18.34	0.0184	0.0182	0.0186
3	256QAM	8	7	18.19	18.29	18.16	0.0179	0.0184	0.0178
3	256QAM	15	0	18.14	18.09	18.44	0.0177	0.0175	0.0190
Channel				20407	20525	20643	20407	20525	20650
Frequency (MHz)				824.7	836.5	848.3	824.7	836.5	849
1.4	QPSK	1	0	23.29	23.46	23.25	0.0581	0.0604	0.0575
1.4	QPSK	1	3	23.10	23.20	23.30	0.0556	0.0569	0.0582
1.4	QPSK	1	5	23.22	23.18	23.23	0.0571	0.0566	0.0573
1.4	QPSK	3	0	22.37	22.42	22.35	0.0470	0.0475	0.0468
1.4	QPSK	3	1	22.17	22.26	22.29	0.0449	0.0458	0.0461
1.4	QPSK	3	3	22.46	22.24	22.42	0.0480	0.0456	0.0475
1.4	QPSK	6	0	22.26	22.31	22.35	0.0458	0.0463	0.0468
1.4	16QAM	1	0	22.21	22.30	22.21	0.0453	0.0462	0.0453
1.4	16QAM	1	3	22.19	22.19	22.38	0.0451	0.0451	0.0471
1.4	16QAM	1	5	22.29	22.30	22.22	0.0461	0.0462	0.0454
1.4	16QAM	3	0	21.46	21.24	21.48	0.0381	0.0362	0.0383
1.4	16QAM	3	1	21.40	21.33	21.26	0.0376	0.0370	0.0364



1.4	16QAM	3	3	21.39	21.25	21.32	0.0375	0.0363	0.0369
1.4	16QAM	6	0	21.37	21.07	21.30	0.0373	0.0348	0.0367
1.4	64QAM	1	0	21.37	21.18	21.32	0.0373	0.0357	0.0369
1.4	64QAM	1	3	21.24	21.23	21.27	0.0362	0.0361	0.0365
1.4	64QAM	1	5	21.18	21.32	21.39	0.0357	0.0369	0.0375
1.4	64QAM	3	0	20.43	20.36	20.39	0.0301	0.0296	0.0298
1.4	64QAM	3	1	20.52	20.36	20.36	0.0307	0.0296	0.0296
1.4	64QAM	3	3	20.38	20.15	20.42	0.0297	0.0282	0.0300
1.4	64QAM	6	0	20.51	20.47	20.41	0.0306	0.0303	0.0299
1.4	256QAM	1	0	18.30	18.07	18.15	0.0184	0.0175	0.0178
1.4	256QAM	1	3	18.24	18.17	17.92	0.0182	0.0179	0.0169
1.4	256QAM	1	5	17.95	18.29	18.24	0.0170	0.0184	0.0182
1.4	256QAM	3	0	18.05	18.07	18.29	0.0174	0.0175	0.0184
1.4	256QAM	3	1	18.18	18.22	18.42	0.0179	0.0181	0.0189
1.4	256QAM	3	3	18.27	18.26	18.07	0.0183	0.0182	0.0175
1.4	256QAM	6	0	18.15	18.14	18.40	0.0178	0.0177	0.0188

LTE Band 26 <Ant.1>

BW [MHz]	Modulation	RB Size	RB Offset	Power Middle Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP			
Channel				26790	26865	26915	26965	26790	26865	26915	26965
Frequency (MHz)				824	831.5	836.5	841.5	824	831.5	836.5	841.5
15	QPSK	1	0	23.51	23.51	23.58	23.55	0.0611	0.0611	0.0621	0.0617
15	QPSK	1	37	23.25	23.25	23.51	23.22	0.0575	0.0575	0.0611	0.0571
15	QPSK	1	74	23.48	23.48	23.18	23.28	0.0607	0.0607	0.0566	0.0579
15	QPSK	36	0	22.52	22.52	22.61	22.51	0.0486	0.0486	0.0497	0.0485
15	QPSK	36	20	22.36	22.36	22.37	22.25	0.0469	0.0469	0.0470	0.0457
15	QPSK	36	39	22.47	22.47	22.21	22.32	0.0481	0.0481	0.0453	0.0465
15	QPSK	75	0	22.26	22.26	22.45	22.42	0.0458	0.0458	0.0479	0.0475
15	16QAM	1	0	22.25	22.25	22.11	22.17	0.0457	0.0457	0.0443	0.0449
15	16QAM	1	37	22.21	22.21	22.42	22.29	0.0453	0.0453	0.0475	0.0461
15	16QAM	1	74	22.25	22.25	22.36	22.37	0.0457	0.0457	0.0469	0.0470
15	16QAM	36	0	21.62	21.62	21.29	21.40	0.0395	0.0395	0.0366	0.0376
15	16QAM	36	20	21.56	21.56	21.25	21.17	0.0390	0.0390	0.0363	0.0356



15	16QAM	36	39	21.45	21.45	21.40	21.59	0.0380	0.0380	0.0376	0.0393
15	16QAM	75	0	21.41	21.41	21.15	21.41	0.0377	0.0377	0.0355	0.0377
15	64QAM	1	0	21.44	21.44	21.22	21.35	0.0379	0.0379	0.0361	0.0372
15	64QAM	1	37	21.25	21.25	21.36	21.26	0.0363	0.0363	0.0372	0.0364
15	64QAM	1	74	21.41	21.41	21.49	21.39	0.0377	0.0377	0.0384	0.0375
15	64QAM	36	0	20.47	20.47	20.39	20.46	0.0303	0.0303	0.0298	0.0303
15	64QAM	36	20	20.43	20.43	20.41	20.61	0.0301	0.0301	0.0299	0.0313
15	64QAM	36	39	20.54	20.54	20.27	20.29	0.0308	0.0308	0.0290	0.0291
15	64QAM	75	0	20.47	20.47	20.42	20.33	0.0303	0.0303	0.0300	0.0294
15	256QAM	1	0	18.15	18.15	18.20	18.32	0.0178	0.0178	0.0180	0.0185
15	256QAM	1	37	18.30	18.30	18.24	18.10	0.0184	0.0184	0.0182	0.0176
15	256QAM	1	74	18.12	18.12	18.42	18.38	0.0177	0.0177	0.0189	0.0187
15	256QAM	36	0	18.02	18.02	18.27	18.27	0.0173	0.0173	0.0183	0.0183
15	256QAM	36	20	18.15	18.15	18.22	18.29	0.0178	0.0178	0.0181	0.0184
15	256QAM	36	39	18.45	18.45	18.44	18.24	0.0191	0.0191	0.0190	0.0182
15	256QAM	75	0	18.25	18.25	18.13	18.42	0.0182	0.0182	0.0177	0.0189
Channel				-	26840	26915	26990	-	26840	26915	26990
Frequency (MHz)				-	829	836.5	844	-	829	836.5	844
10	QPSK	1	0	-	23.45	23.54	23.50	-	0.0603	0.0615	0.0610
10	QPSK	1	25	-	23.15	23.41	23.16	-	0.0562	0.0597	0.0564
10	QPSK	1	49	-	23.39	23.06	23.16	-	0.0594	0.0551	0.0564
10	QPSK	25	0	-	22.46	22.52	22.47	-	0.0480	0.0486	0.0481
10	QPSK	25	12	-	22.24	22.28	22.15	-	0.0456	0.0460	0.0447
10	QPSK	25	25	-	22.38	22.12	22.26	-	0.0471	0.0444	0.0458
10	QPSK	50	0	-	22.20	22.42	22.37	-	0.0452	0.0475	0.0470
10	16QAM	1	0	-	22.18	21.98	22.07	-	0.0450	0.0430	0.0439
10	16QAM	1	25	-	22.11	22.30	22.17	-	0.0443	0.0462	0.0449
10	16QAM	1	49	-	22.21	22.30	22.29	-	0.0453	0.0462	0.0461
10	16QAM	25	0	-	21.58	21.17	21.33	-	0.0392	0.0356	0.0370
10	16QAM	25	12	-	21.51	21.14	21.09	-	0.0385	0.0354	0.0350
10	16QAM	25	25	-	21.38	21.30	21.53	-	0.0374	0.0367	0.0387
10	16QAM	50	0	-	21.31	21.07	21.35	-	0.0368	0.0348	0.0372
10	64QAM	1	0	-	21.40	21.12	21.27	-	0.0376	0.0352	0.0365
10	64QAM	1	25	-	21.13	21.29	21.13	-	0.0353	0.0366	0.0353
10	64QAM	1	49	-	21.37	21.45	21.35	-	0.0373	0.0380	0.0372
10	64QAM	25	0	-	20.42	20.35	20.39	-	0.0300	0.0295	0.0298



10	64QAM	25	12	-	20.30	20.36	20.48	-	0.0292	0.0296	0.0304
10	64QAM	25	25	-	20.49	20.22	20.24	-	0.0305	0.0286	0.0288
10	64QAM	50	0	-	20.38	20.36	20.26	-	0.0297	0.0296	0.0289
10	256QAM	1	0	-	18.03	18.09	18.28	-	0.0173	0.0175	0.0183
10	256QAM	1	25	-	18.23	18.12	18.02	-	0.0181	0.0177	0.0173
10	256QAM	1	49	-	18.09	18.35	18.28	-	0.0175	0.0186	0.0183
10	256QAM	25	0	-	17.98	18.16	18.17	-	0.0171	0.0178	0.0179
10	256QAM	25	12	-	18.08	18.19	18.21	-	0.0175	0.0179	0.0180
10	256QAM	25	25	-	18.38	18.35	18.20	-	0.0187	0.0186	0.0180
10	256QAM	50	0	-	18.21	18.03	18.31	-	0.0180	0.0173	0.0185
Channel				-	26815	26915	27015	-	26815	26915	27015
Frequency (MHz)				-	826.5	836.5	846.5	-	826.5	836.5	846.5
5	QPSK	1	0	-	23.39	23.54	23.50	-	0.0594	0.0615	0.0610
5	QPSK	1	12	-	23.13	23.45	23.09	-	0.0560	0.0603	0.0555
5	QPSK	1	24	-	23.39	23.09	23.16	-	0.0594	0.0555	0.0564
5	QPSK	12	0	-	22.40	22.58	22.47	-	0.0473	0.0493	0.0481
5	QPSK	12	7	-	22.24	22.25	22.22	-	0.0456	0.0457	0.0454
5	QPSK	12	13	-	22.38	22.16	22.26	-	0.0471	0.0448	0.0458
5	QPSK	25	0	-	22.20	22.37	22.30	-	0.0452	0.0470	0.0462
5	16QAM	1	0	-	22.18	22.04	22.05	-	0.0450	0.0436	0.0437
5	16QAM	1	12	-	22.09	22.32	22.20	-	0.0441	0.0465	0.0452
5	16QAM	1	24	-	22.21	22.31	22.32	-	0.0453	0.0463	0.0465
5	16QAM	12	0	-	21.58	21.19	21.34	-	0.0392	0.0358	0.0371
5	16QAM	12	7	-	21.51	21.20	21.15	-	0.0385	0.0359	0.0355
5	16QAM	12	13	-	21.39	21.34	21.50	-	0.0375	0.0371	0.0385
5	16QAM	25	0	-	21.32	21.05	21.32	-	0.0369	0.0347	0.0369
5	64QAM	1	0	-	21.31	21.09	21.27	-	0.0368	0.0350	0.0365
5	64QAM	1	12	-	21.20	21.30	21.22	-	0.0359	0.0367	0.0361
5	64QAM	1	24	-	21.34	21.44	21.30	-	0.0371	0.0379	0.0367
5	64QAM	12	0	-	20.36	20.31	20.43	-	0.0296	0.0292	0.0301
5	64QAM	12	7	-	20.39	20.34	20.50	-	0.0298	0.0294	0.0305
5	64QAM	12	13	-	20.47	20.17	20.17	-	0.0303	0.0283	0.0283
5	64QAM	25	0	-	20.35	20.35	20.26	-	0.0295	0.0295	0.0289
5	256QAM	1	0	-	18.11	18.09	18.21	-	0.0176	0.0175	0.0180
5	256QAM	1	12	-	18.23	18.18	18.01	-	0.0181	0.0179	0.0172
5	256QAM	1	24	-	18.01	18.30	18.33	-	0.0172	0.0184	0.0185



5	256QAM	12	0	-	17.94	18.15	18.24	-	0.0169	0.0178	0.0182
5	256QAM	12	7	-	18.08	18.10	18.22	-	0.0175	0.0176	0.0181
5	256QAM	12	13	-	18.35	18.33	18.20	-	0.0186	0.0185	0.0180
5	256QAM	25	0	-	18.15	18.01	18.33	-	0.0178	0.0172	0.0185
Channel				-	26805	26915	27025	-	26805	26915	27025
Frequency (MHz)				-	825.5	836.5	847.5	-	825.5	836.5	847.5
3	QPSK	1	0	-	23.42	23.46	23.45	-	0.0598	0.0604	0.0603
3	QPSK	1	8	-	23.13	23.44	23.09	-	0.0560	0.0601	0.0555
3	QPSK	1	14	-	23.39	23.07	23.16	-	0.0594	0.0552	0.0564
3	QPSK	8	0	-	22.44	22.48	22.41	-	0.0478	0.0482	0.0474
3	QPSK	8	4	-	22.25	22.24	22.16	-	0.0457	0.0456	0.0448
3	QPSK	8	7	-	22.38	22.14	22.26	-	0.0471	0.0446	0.0458
3	QPSK	15	0	-	22.19	22.38	22.35	-	0.0451	0.0471	0.0468
3	16QAM	1	0	-	22.19	22.02	22.12	-	0.0451	0.0434	0.0444
3	16QAM	1	8	-	22.16	22.34	22.21	-	0.0448	0.0467	0.0453
3	16QAM	1	14	-	22.20	22.27	22.29	-	0.0452	0.0459	0.0461
3	16QAM	8	0	-	21.55	21.23	21.32	-	0.0389	0.0361	0.0369
3	16QAM	8	4	-	21.50	21.22	21.11	-	0.0385	0.0361	0.0352
3	16QAM	8	7	-	21.41	21.29	21.48	-	0.0377	0.0366	0.0383
3	16QAM	15	0	-	21.36	21.10	21.29	-	0.0372	0.0351	0.0366
3	64QAM	1	0	-	21.33	21.18	21.27	-	0.0370	0.0357	0.0365
3	64QAM	1	8	-	21.17	21.25	21.17	-	0.0356	0.0363	0.0356
3	64QAM	1	14	-	21.35	21.38	21.27	-	0.0372	0.0374	0.0365
3	64QAM	8	0	-	20.39	20.35	20.38	-	0.0298	0.0295	0.0297
3	64QAM	8	4	-	20.37	20.30	20.56	-	0.0296	0.0292	0.0310
3	64QAM	8	7	-	20.51	20.15	20.21	-	0.0306	0.0282	0.0286
3	64QAM	15	0	-	20.42	20.33	20.23	-	0.0300	0.0294	0.0287
3	256QAM	1	0	-	18.10	18.11	18.26	-	0.0176	0.0176	0.0182
3	256QAM	1	8	-	18.24	18.20	18.05	-	0.0182	0.0180	0.0174
3	256QAM	1	14	-	18.02	18.35	18.27	-	0.0173	0.0186	0.0183
3	256QAM	8	0	-	17.93	18.15	18.20	-	0.0169	0.0178	0.0180
3	256QAM	8	4	-	18.07	18.14	18.22	-	0.0175	0.0177	0.0181
3	256QAM	8	7	-	18.36	18.37	18.17	-	0.0187	0.0187	0.0179
3	256QAM	15	0	-	18.14	18.08	18.35	-	0.0177	0.0175	0.0186
Channel				-	26797	26915	27033	-	26797	26915	27033
Frequency (MHz)				-	824.7	836.5	848.3	-	824.7	836.5	848.3



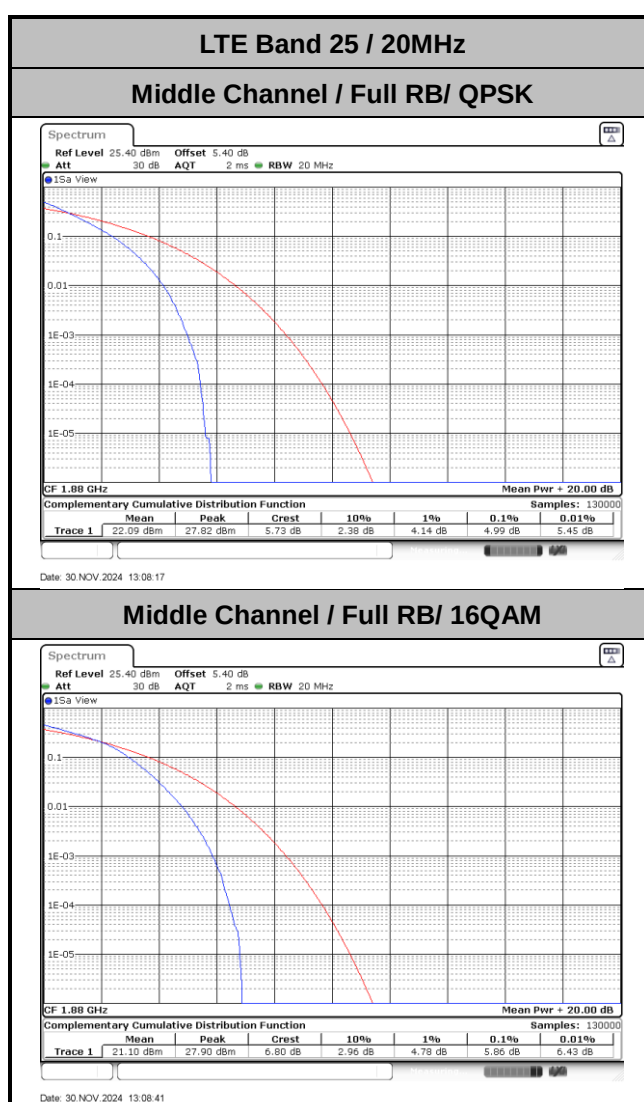
1.4	QPSK	1	0	-	23.45	23.49	23.50	-	0.0603	0.0608	0.0610
1.4	QPSK	1	3	-	23.20	23.45	23.18	-	0.0569	0.0603	0.0566
1.4	QPSK	1	5	-	23.41	23.06	23.17	-	0.0597	0.0551	0.0565
1.4	QPSK	3	0	-	22.51	22.54	22.57	-	0.0485	0.0489	0.0492
1.4	QPSK	3	1	-	22.28	22.28	22.56	-	0.0460	0.0460	0.0491
1.4	QPSK	3	3	-	22.41	22.17	22.49	-	0.0474	0.0449	0.0483
1.4	QPSK	6	0	-	22.16	22.36	22.35	-	0.0448	0.0469	0.0468
1.4	16QAM	1	0	-	22.17	22.04	22.13	-	0.0449	0.0436	0.0445
1.4	16QAM	1	3	-	22.14	22.30	22.18	-	0.0446	0.0462	0.0450
1.4	16QAM	1	5	-	22.15	22.29	22.32	-	0.0447	0.0461	0.0465
1.4	16QAM	3	0	-	21.56	21.26	21.32	-	0.0390	0.0364	0.0369
1.4	16QAM	3	1	-	21.51	21.19	21.29	-	0.0385	0.0358	0.0366
1.4	16QAM	3	3	-	21.53	21.32	21.50	-	0.0387	0.0369	0.0385
1.4	16QAM	6	0	-	21.28	21.11	21.29	-	0.0366	0.0352	0.0366
1.4	64QAM	1	0	-	21.40	21.09	21.23	-	0.0376	0.0350	0.0361
1.4	64QAM	1	3	-	21.15	21.33	21.17	-	0.0355	0.0370	0.0356
1.4	64QAM	1	5	-	21.35	21.45	21.29	-	0.0372	0.0380	0.0366
1.4	64QAM	3	0	-	20.40	20.30	20.36	-	0.0299	0.0292	0.0296
1.4	64QAM	3	1	-	20.36	20.29	20.50	-	0.0296	0.0291	0.0305
1.4	64QAM	3	3	-	20.41	20.24	20.17	-	0.0299	0.0288	0.0283
1.4	64QAM	6	0	-	20.39	20.32	20.28	-	0.0298	0.0293	0.0290
1.4	256QAM	1	0	-	18.09	18.09	18.21	-	0.0175	0.0175	0.0180
1.4	256QAM	1	3	-	18.21	18.15	18.05	-	0.0180	0.0178	0.0174
1.4	256QAM	1	5	-	18.06	18.32	18.32	-	0.0174	0.0185	0.0185
1.4	256QAM	3	0	-	17.94	18.21	18.17	-	0.0169	0.0180	0.0179
1.4	256QAM	3	1	-	18.04	18.13	18.24	-	0.0173	0.0177	0.0182
1.4	256QAM	3	3	-	18.34	18.35	18.18	-	0.0186	0.0186	0.0179
1.4	256QAM	6	0	-	18.19	18.09	18.30	-	0.0179	0.0175	0.0184

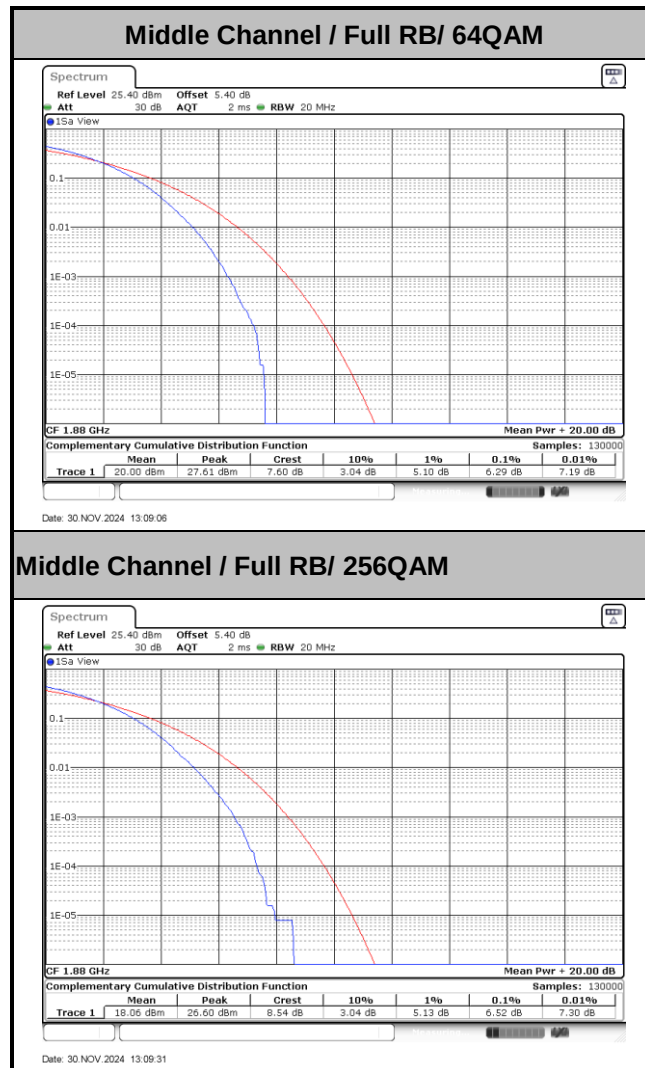


LTE Band 25

Peak-to-Average Ratio

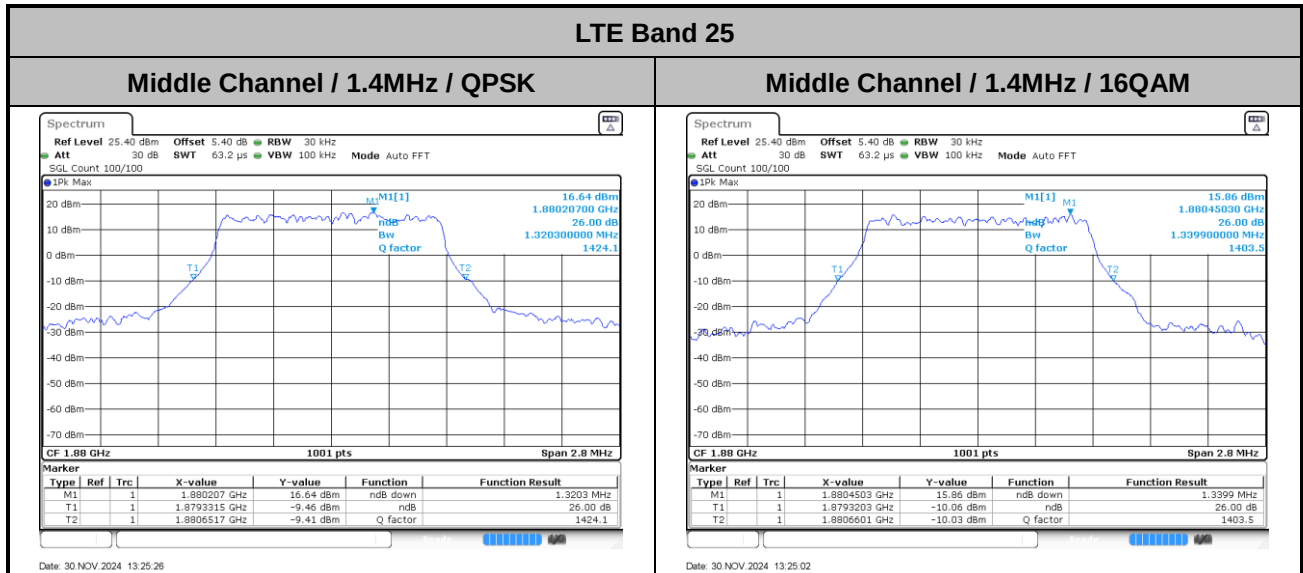
Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.99	5.86	6.29	6.52	PASS





**26dB Bandwidth**

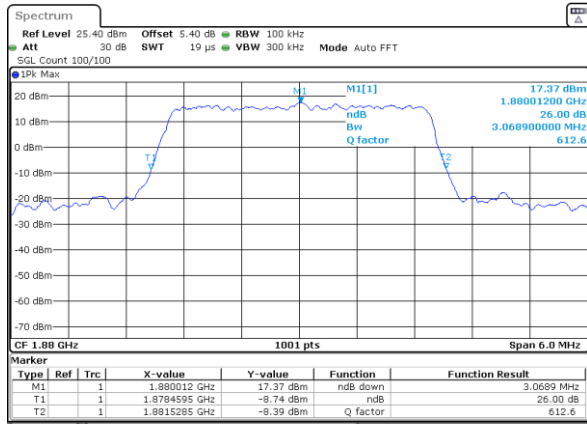
Mode	LTE Band 25 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.32	1.34
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.07	3.10
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.02	5.09
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.81	10.09
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.84	14.57
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.10	19.30





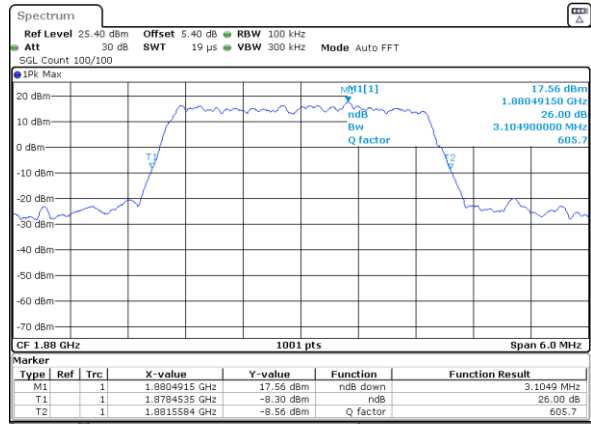
LTE Band 25

Middle Channel / 3MHz / QPSK



Date: 30 NOV 2024 13:22:54

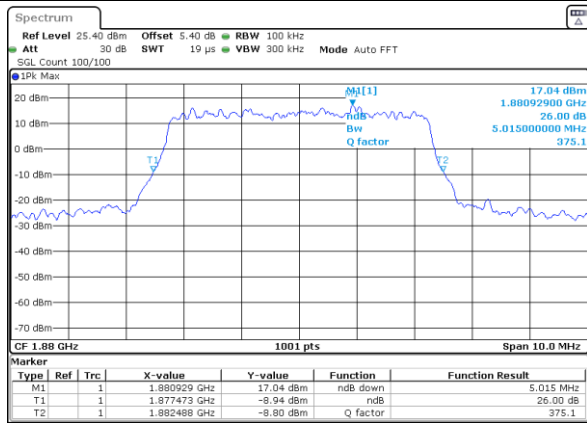
Middle Channel / 3MHz / 16QAM



Date: 30 NOV 2024 13:23:17

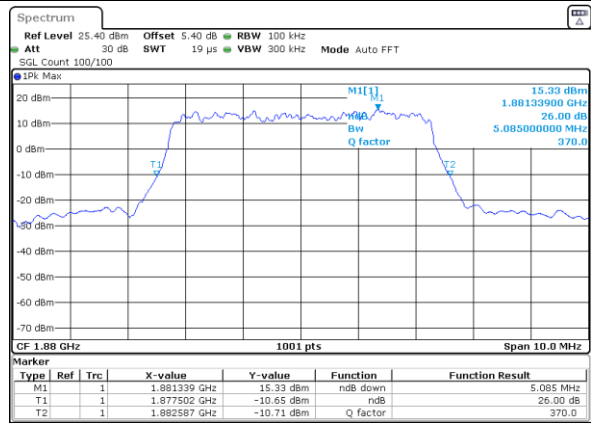
LTE Band 25

Middle Channel / 5MHz / QPSK



Date: 30 NOV 2024 13:20:42

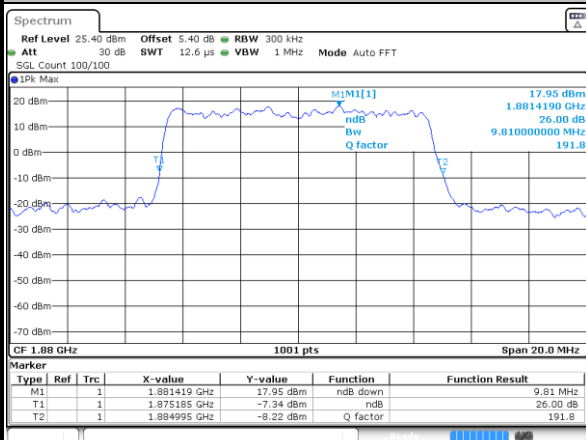
Middle Channel / 5MHz / 16QAM



Date: 30 NOV 2024 13:20:19

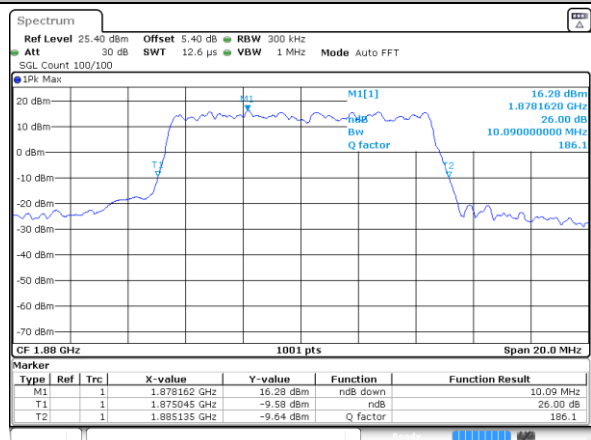
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 30 NOV 2024 13:18:45

Middle Channel / 10MHz / 16QAM

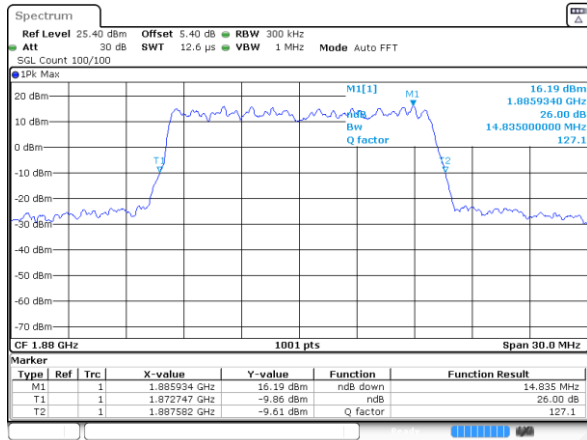


Date: 30 NOV 2024 13:19:08

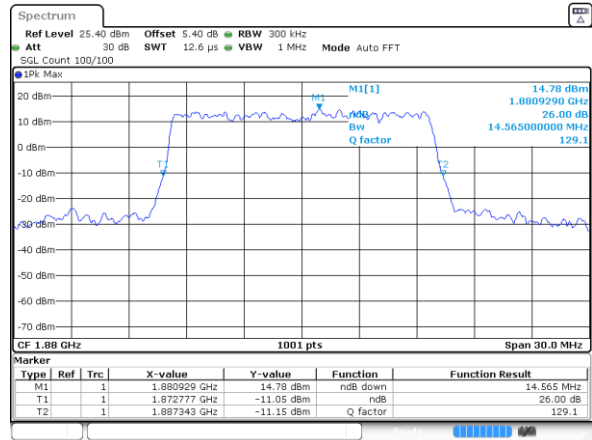


LTE Band 25

Middle Channel / 15MHz / QPSK

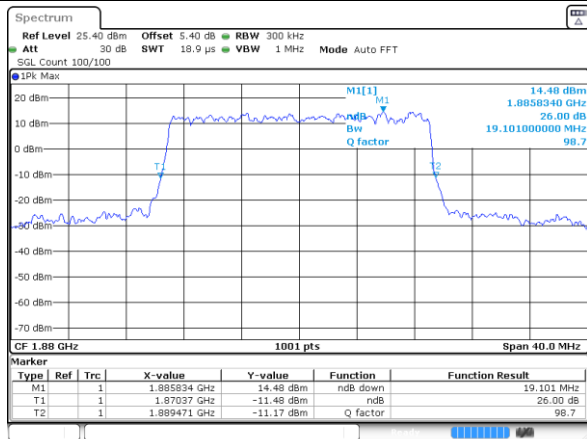


Middle Channel / 15MHz / 16QAM

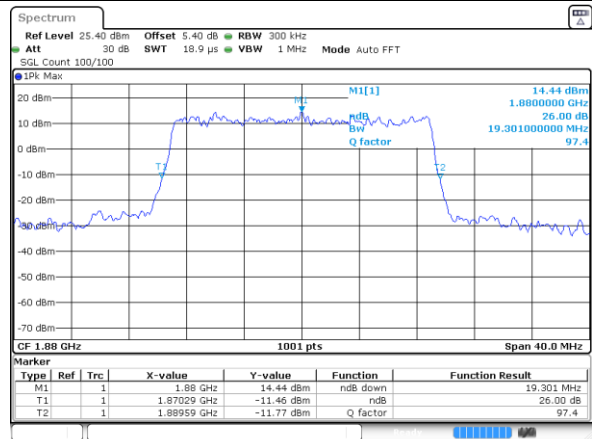


LTE Band 25

Middle Channel / 20MHz / QPSK



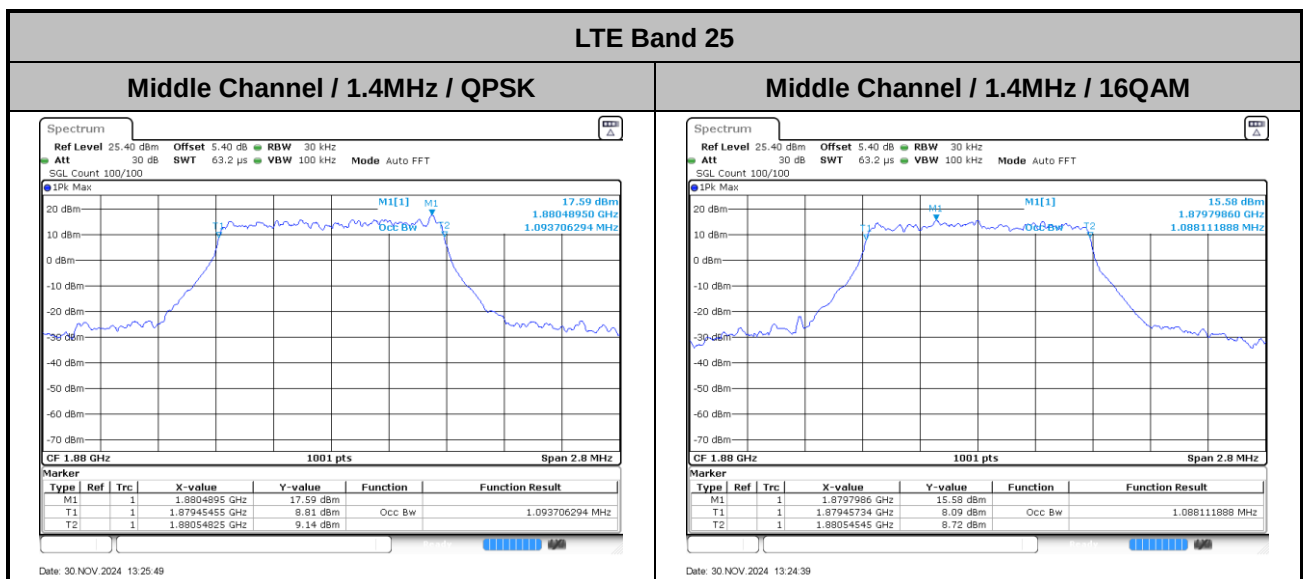
Middle Channel / 20MHz / 16QAM





Occupied Bandwidth

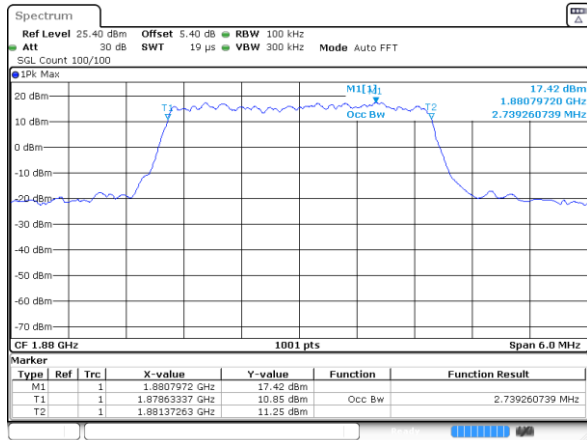
Mode	LTE Band 25 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.74	2.74
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.51
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.49	14.43
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.90



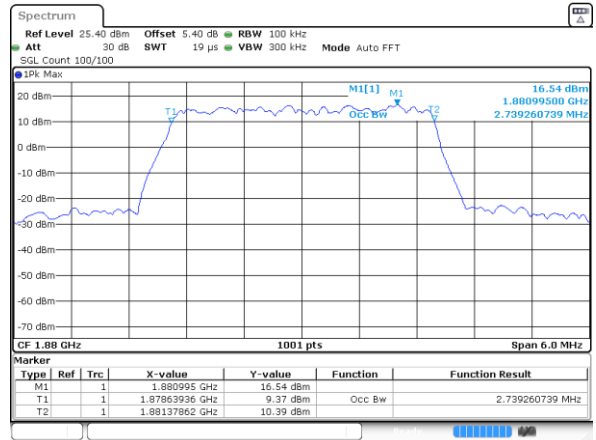


LTE Band 25

Middle Channel / 3MHz / QPSK

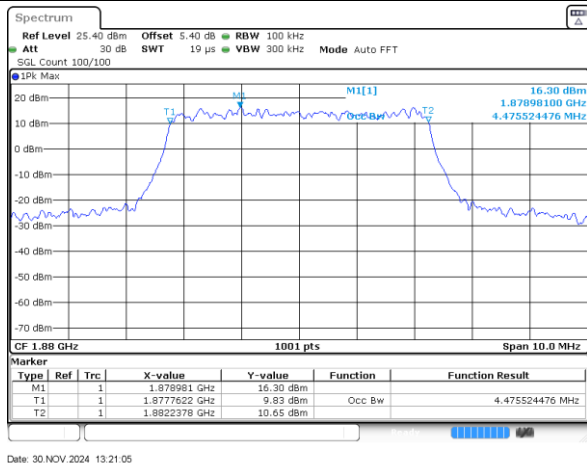


Middle Channel / 3MHz / 16QAM

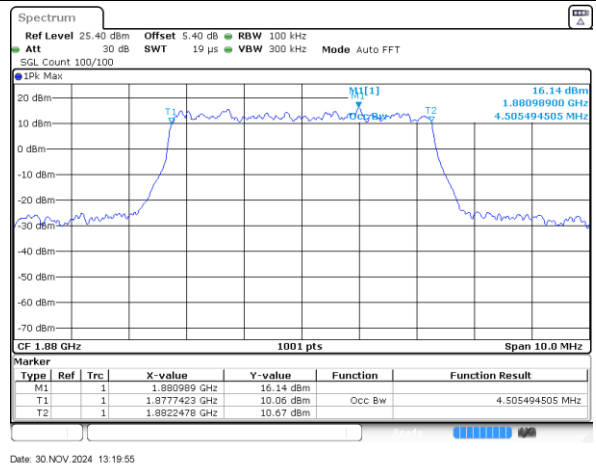


LTE Band 25

Middle Channel / 5MHz / QPSK

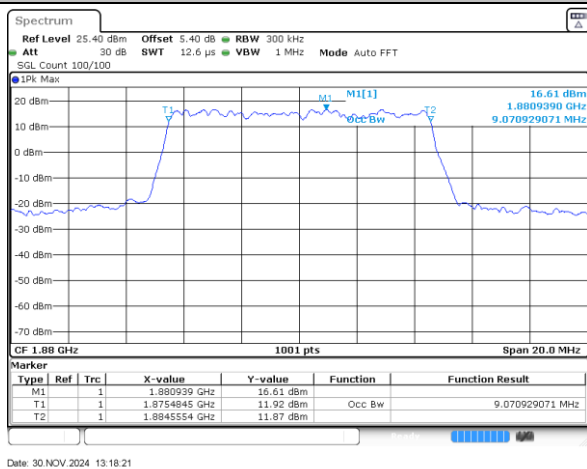


Middle Channel / 5MHz / 16QAM

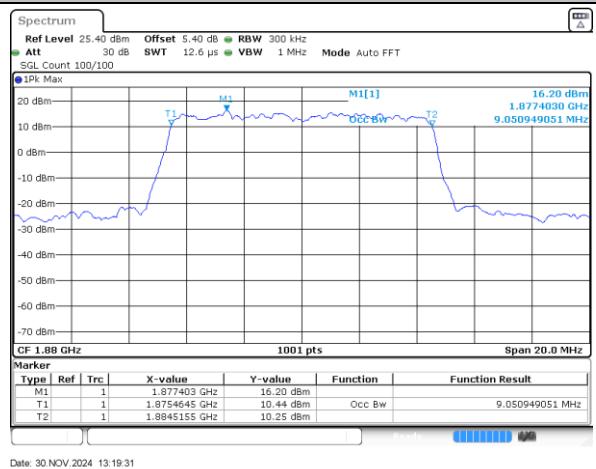


LTE Band 25

Middle Channel / 10MHz / QPSK



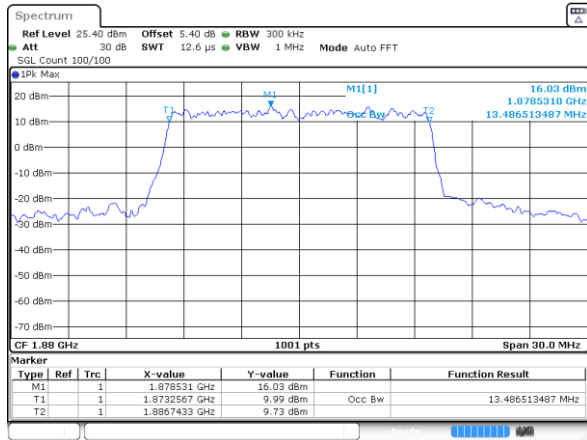
Middle Channel / 10MHz / 16QAM



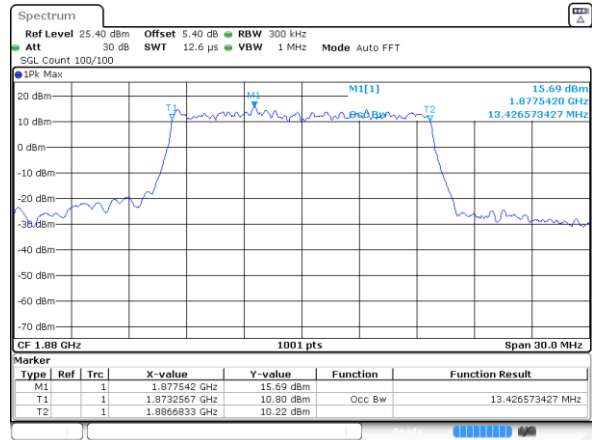


LTE Band 25

Middle Channel / 15MHz / QPSK

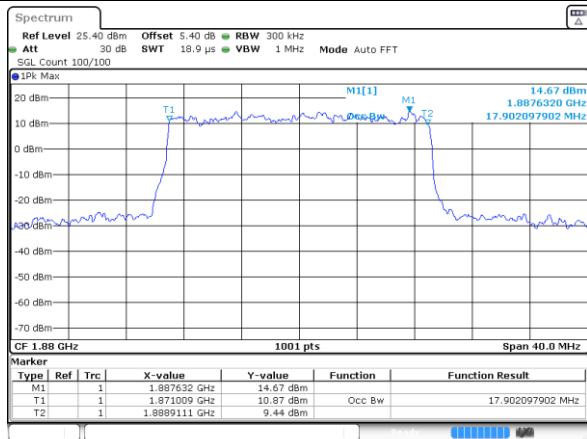


Middle Channel / 15MHz / 16QAM

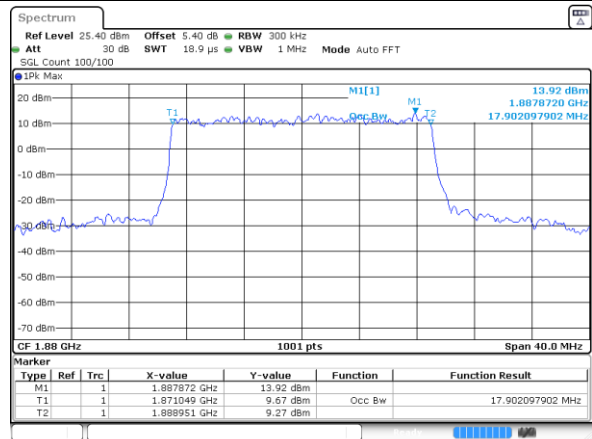


LTE Band 25

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

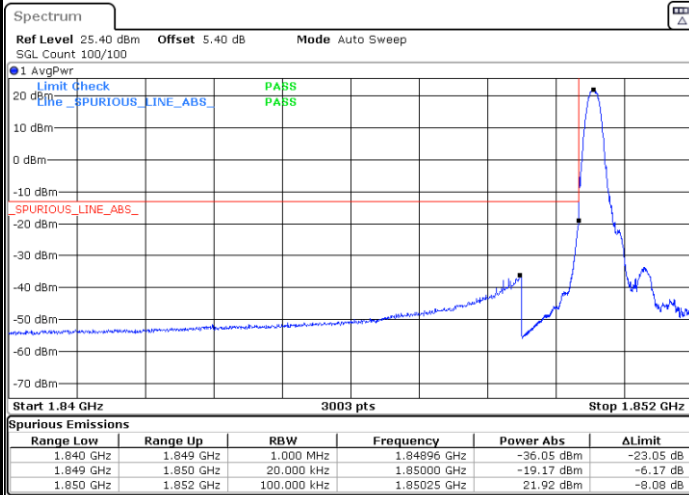




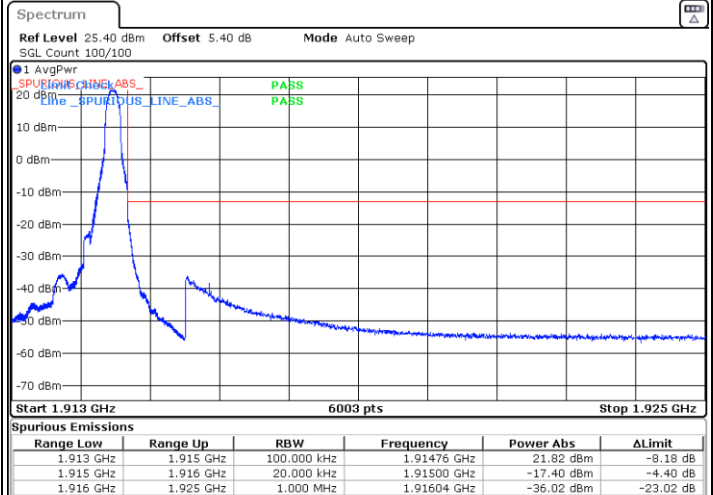
Conducted Band Edge

LTE Band 25 / 1.4MHz / QPSK

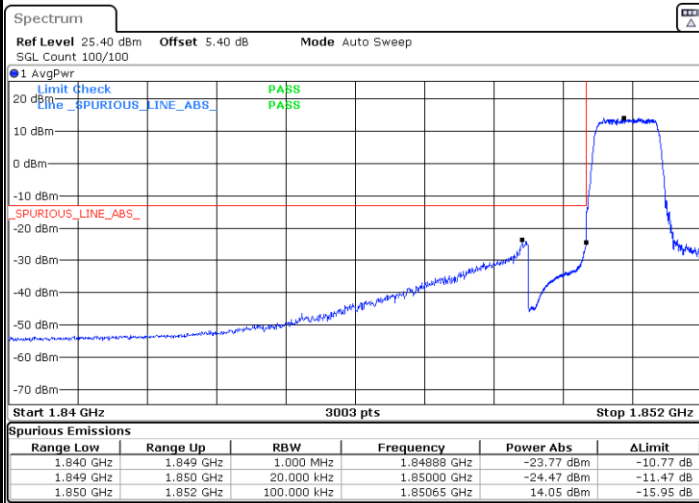
Lowest Band Edge / 1RB



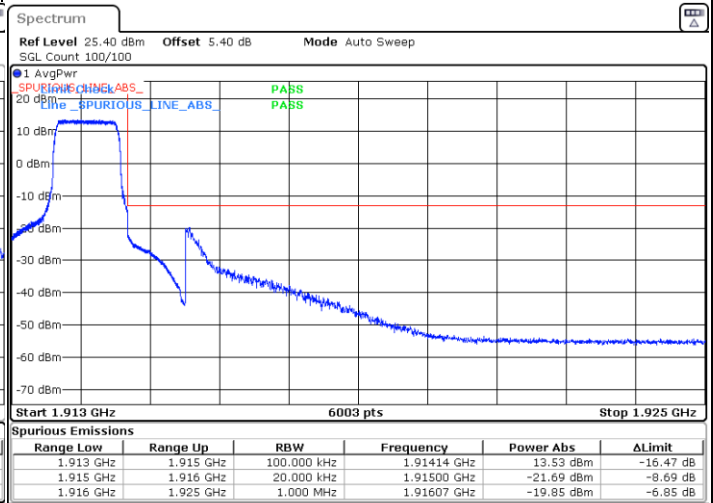
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



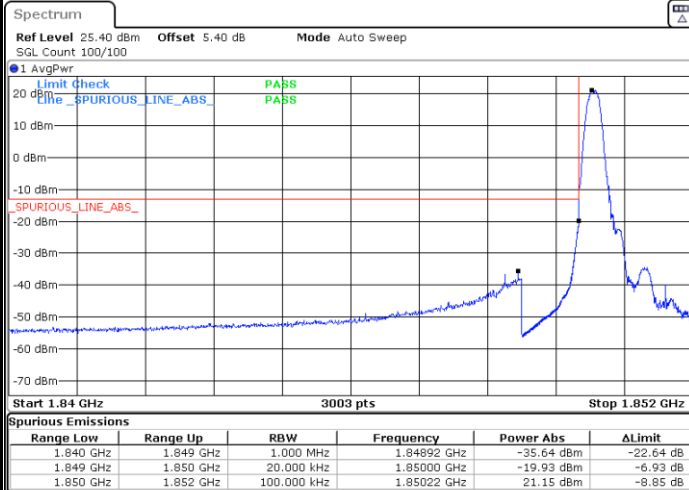
Highest Band Edge / Full RB





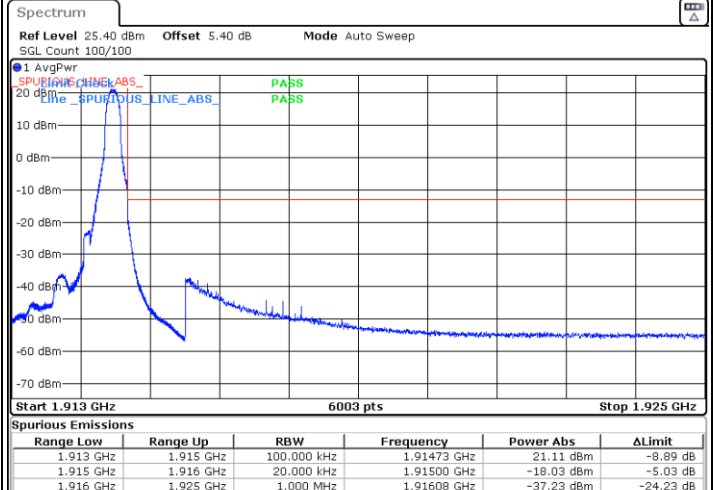
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



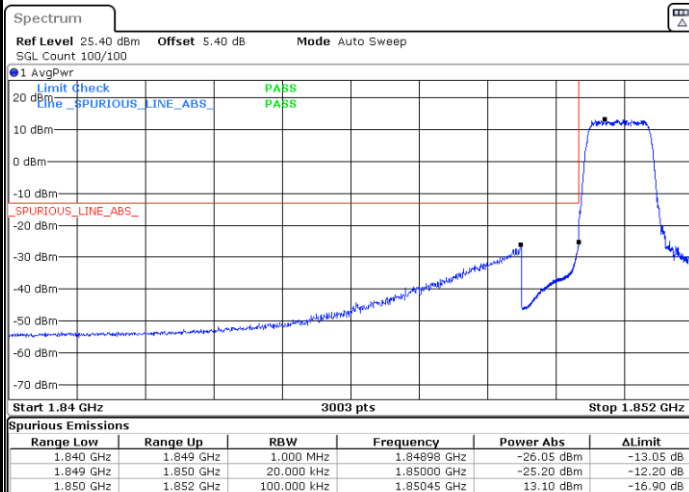
Date: 30.NOV.2024 10:04:16

Highest Band Edge / 1 RB



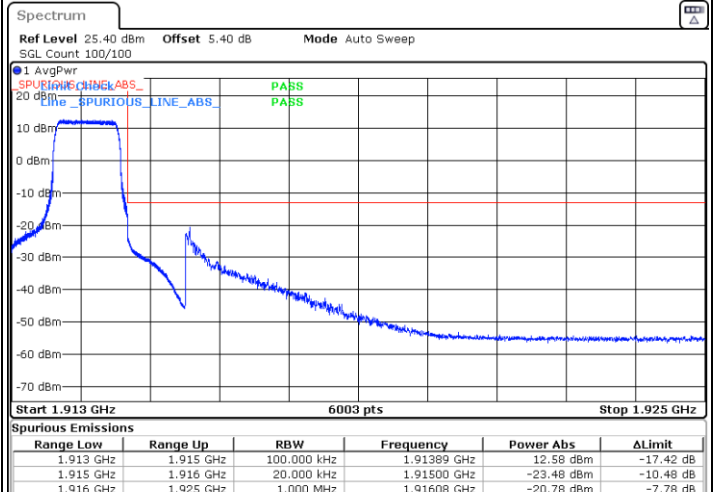
Date: 30.NOV.2024 10:20:25

Lowest Band Edge / Full RB



Date: 30.NOV.2024 10:11:42

Highest Band Edge / Full RB

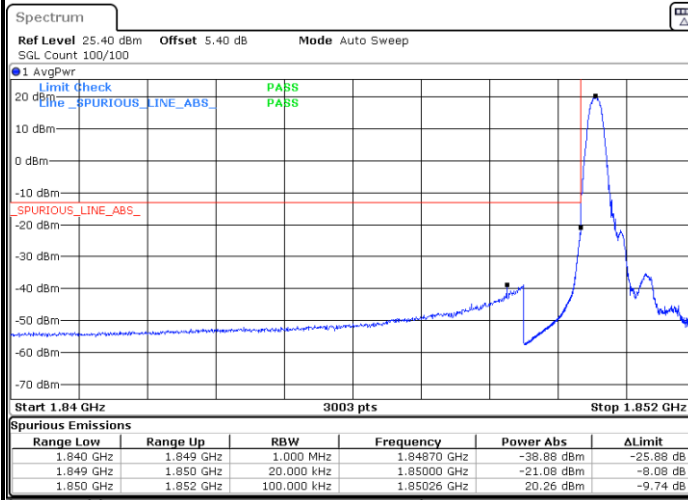


Date: 30.NOV.2024 10:26:27

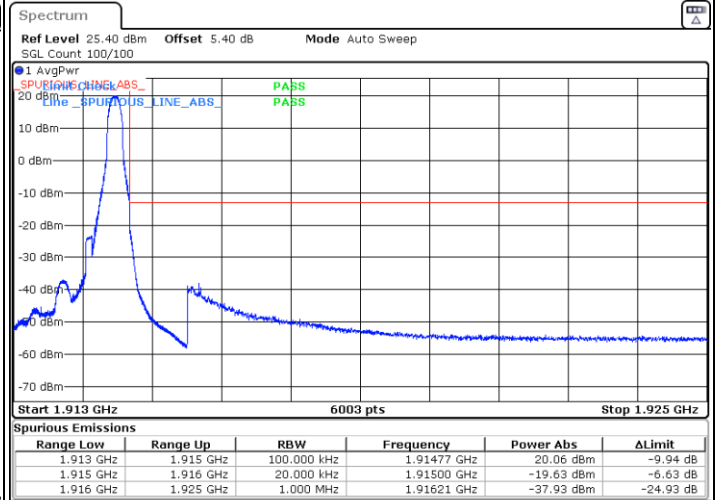


LTE Band 25 / 1.4MHz / 64QAM

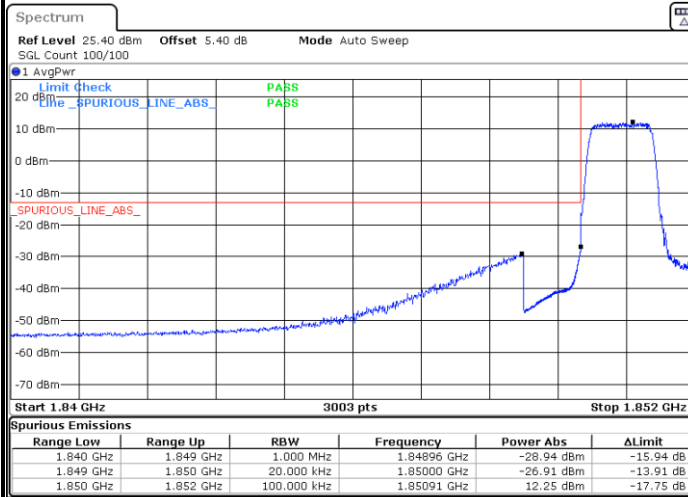
Lowest Band Edge / 1 RB



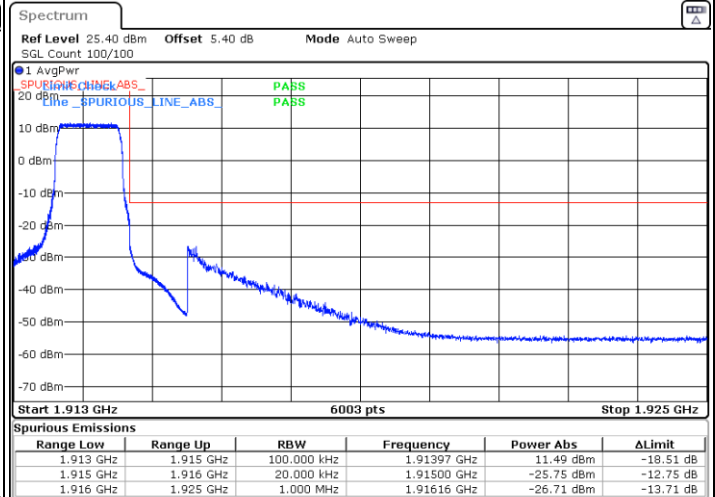
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



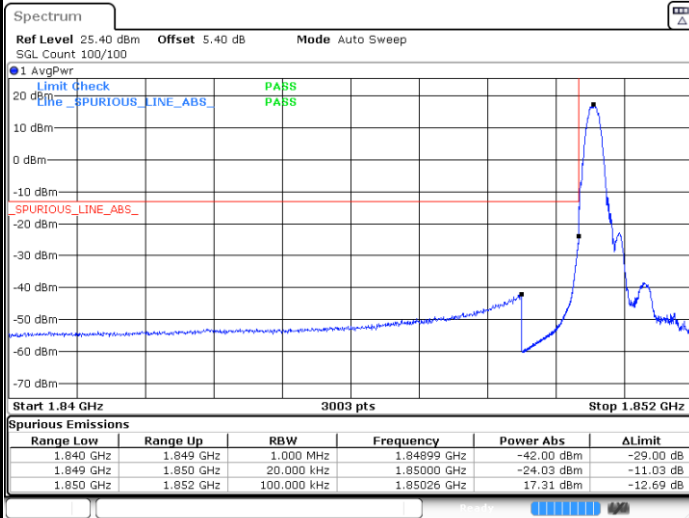
Highest Band Edge / Full RB



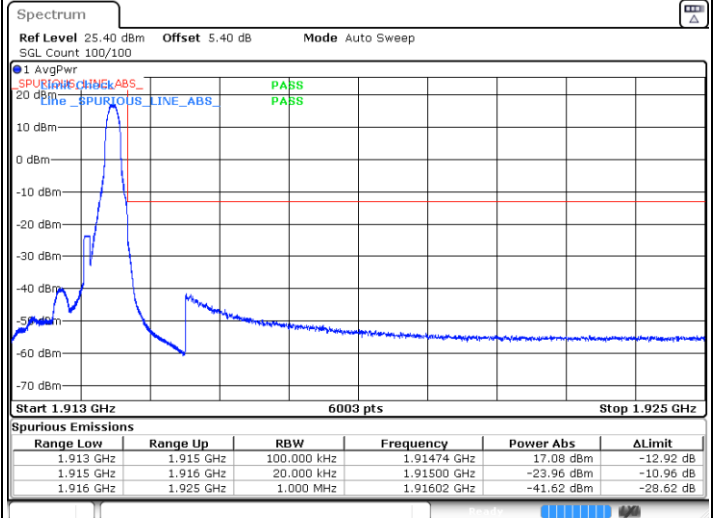


LTE Band 25 / 1.4MHz / 256QAM

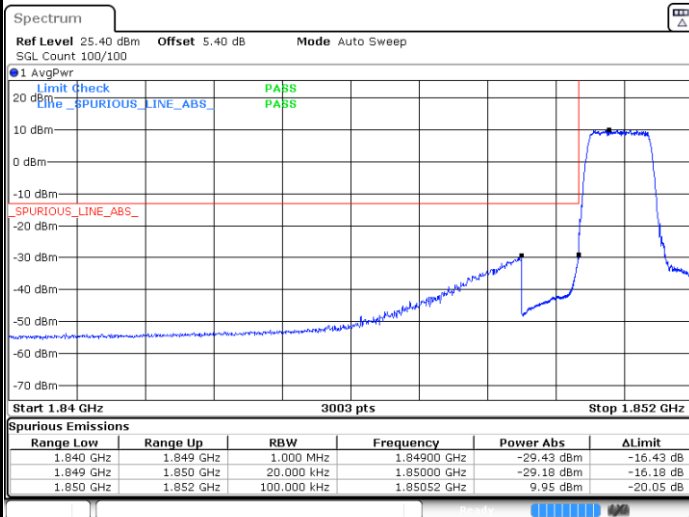
Lowest Band Edge / 1 RB



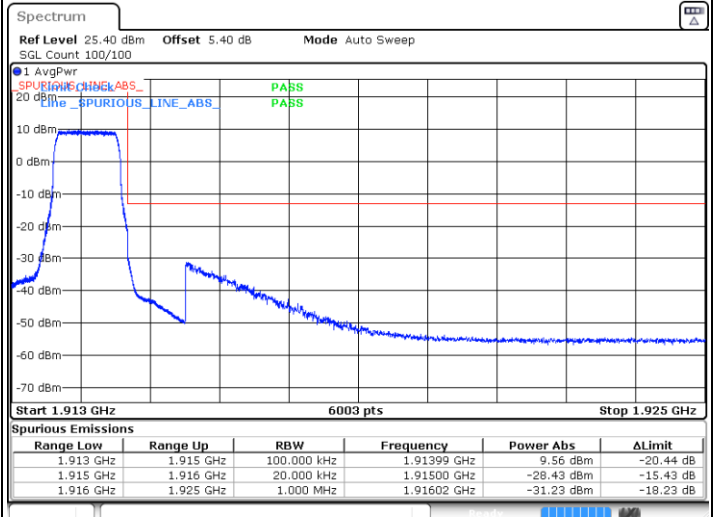
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



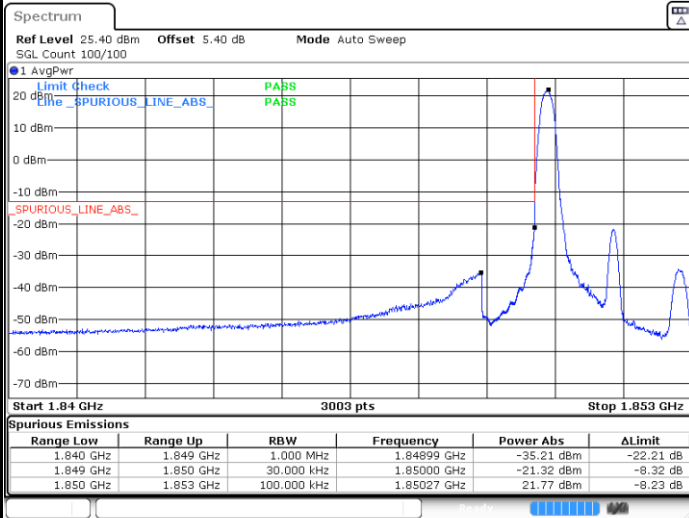
Highest Band Edge / Full RB



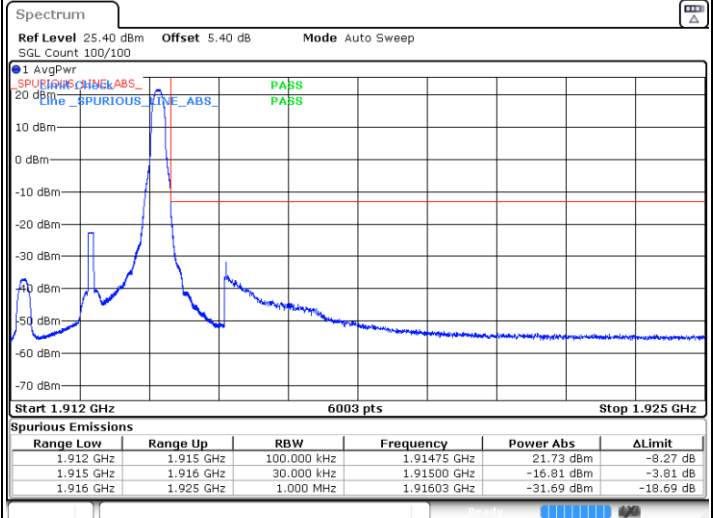


LTE Band 25 / 3MHz / QPSK

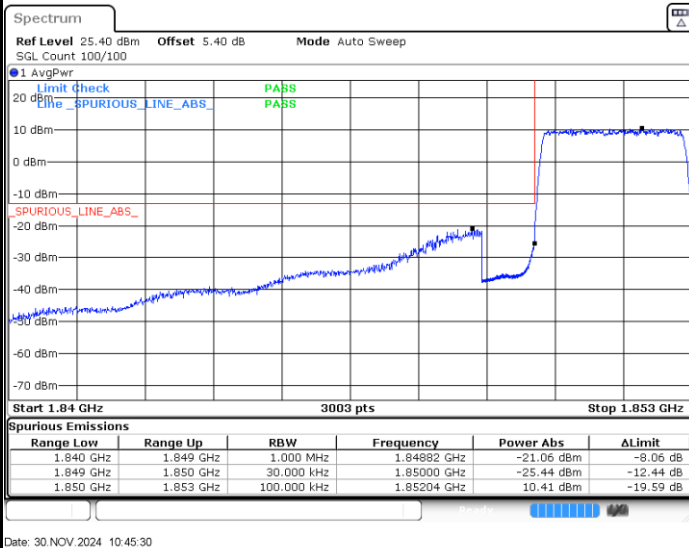
Lowest Band Edge / 1RB



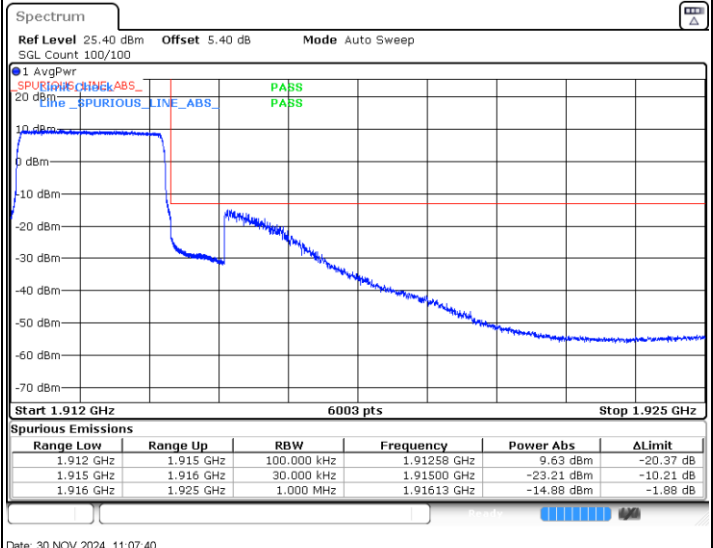
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



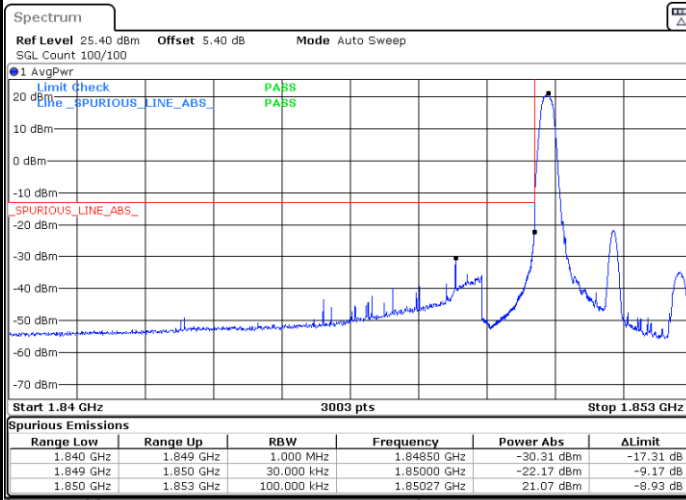
Highest Band Edge / Full RB



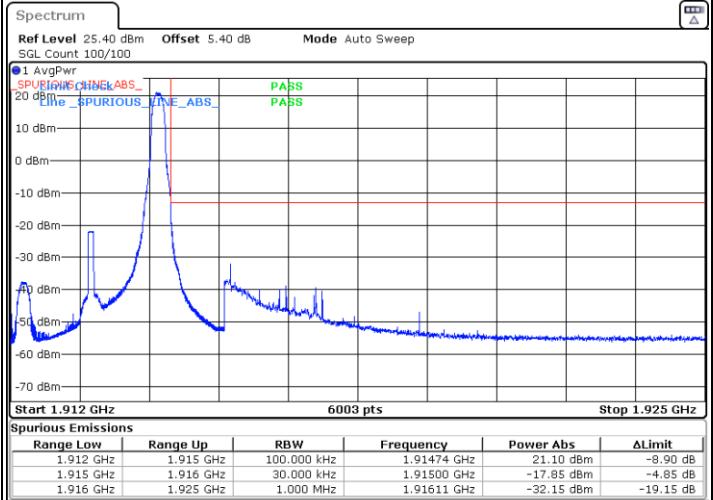


LTE Band 25 / 3MHz / 16QAM

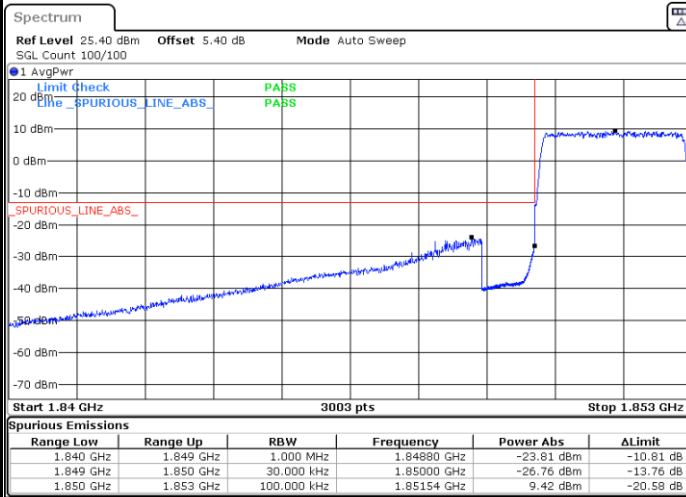
Lowest Band Edge / 1 RB



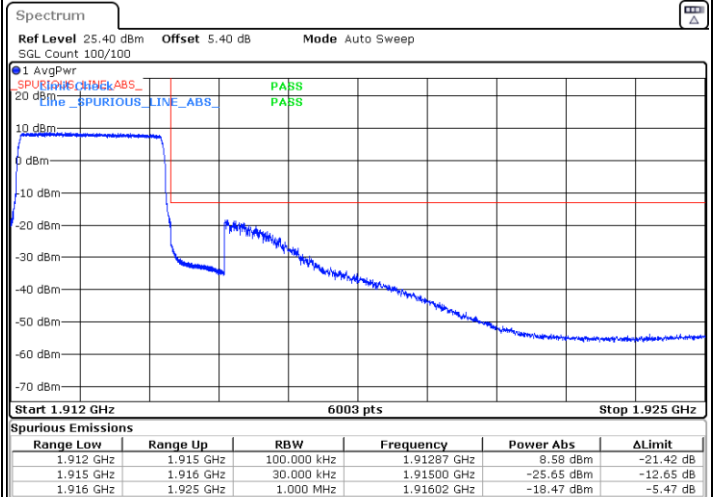
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



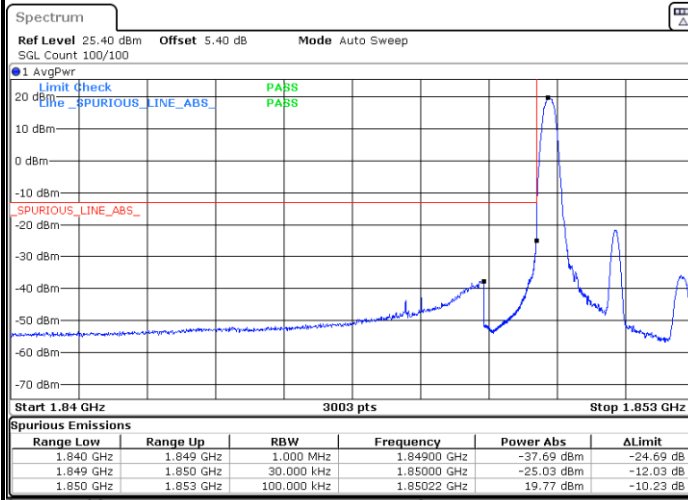
Highest Band Edge / Full RB



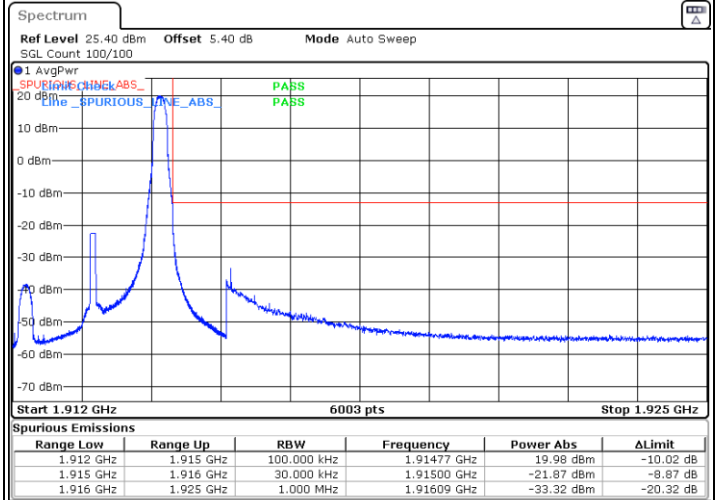


LTE Band 25 / 3MHz / 64QAM

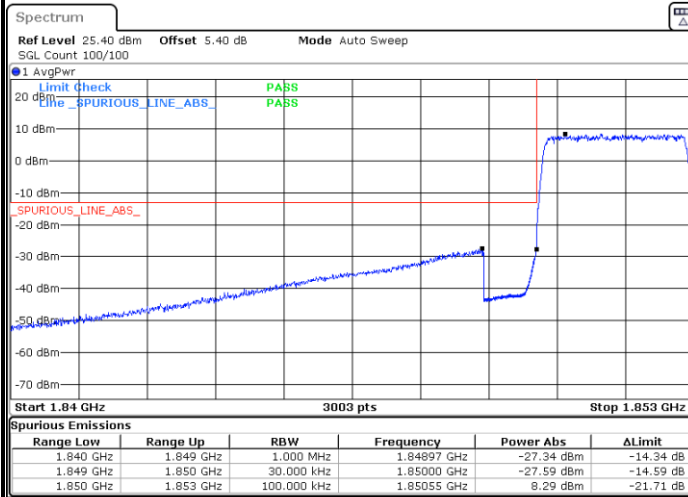
Lowest Band Edge / 1 RB



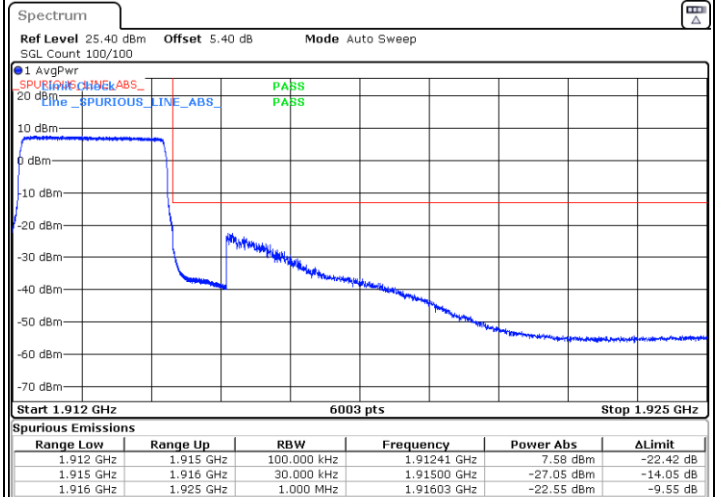
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



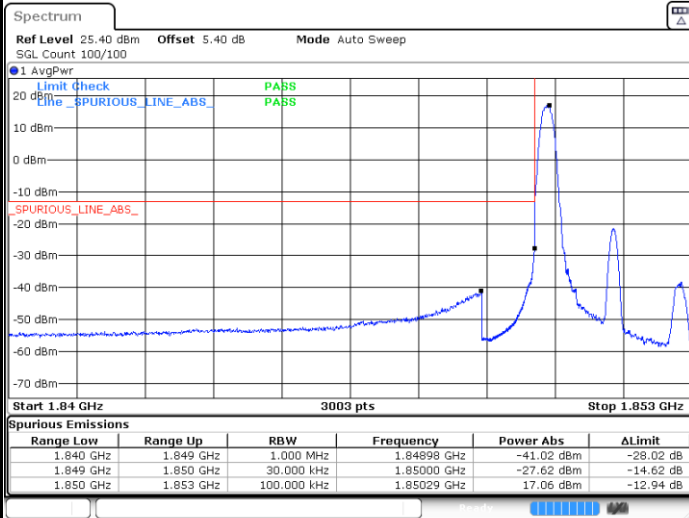
Highest Band Edge / Full RB



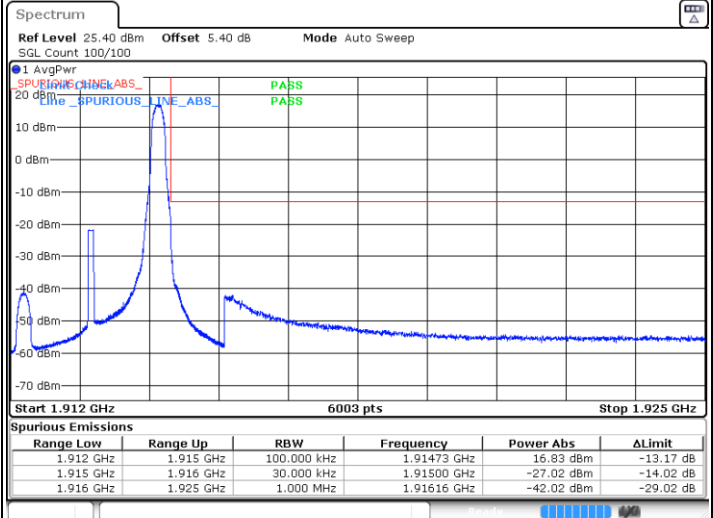


LTE Band 25 / 3MHz / 256QAM

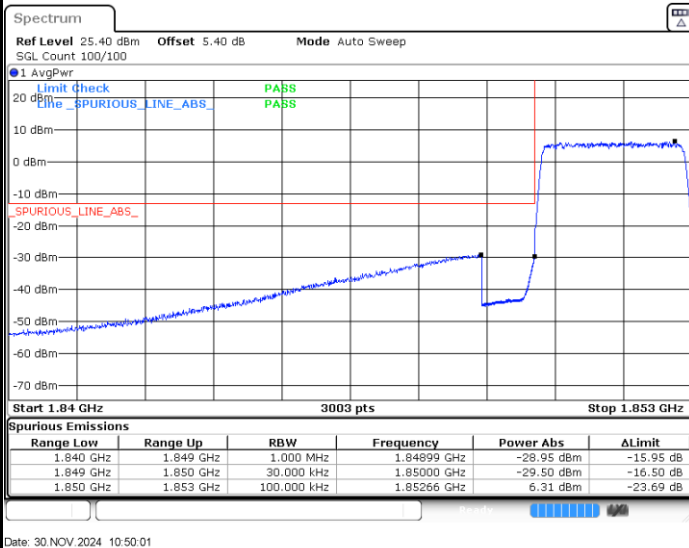
Lowest Band Edge / 1 RB



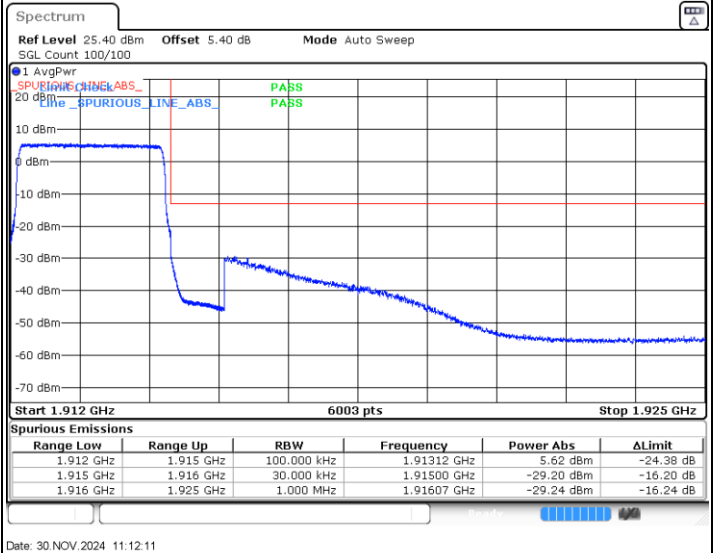
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



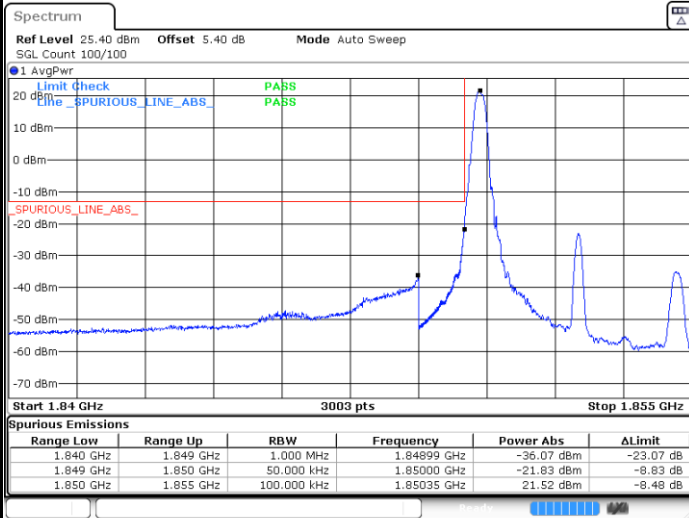
Highest Band Edge / Full RB



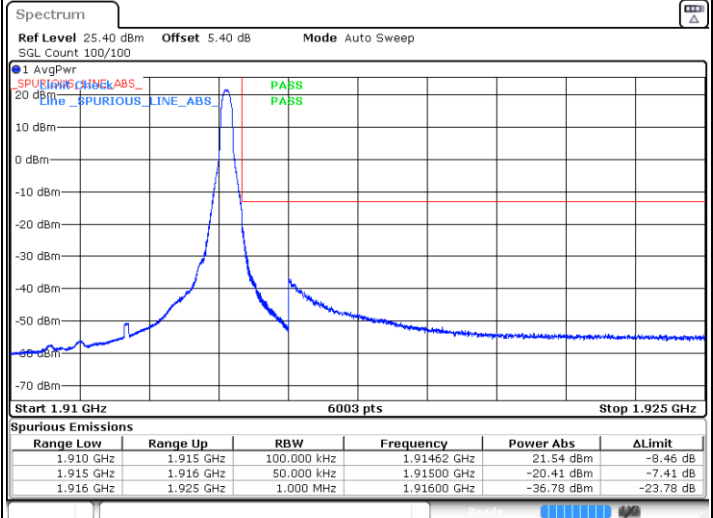


LTE Band 25 / 5MHz / QPSK

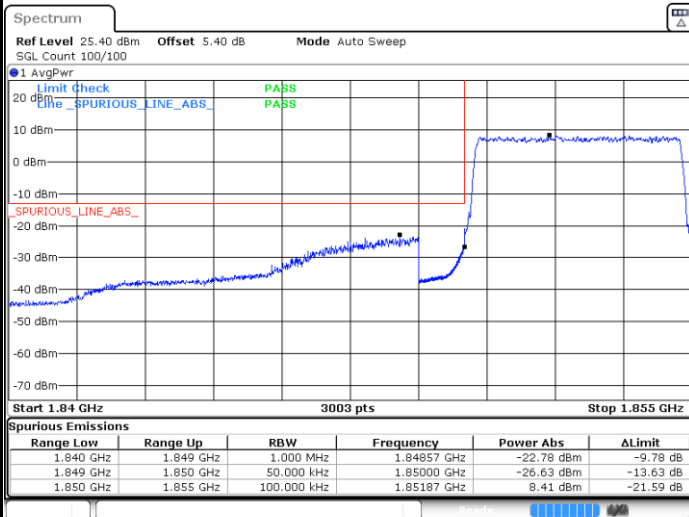
Lowest Band Edge / 1 RB



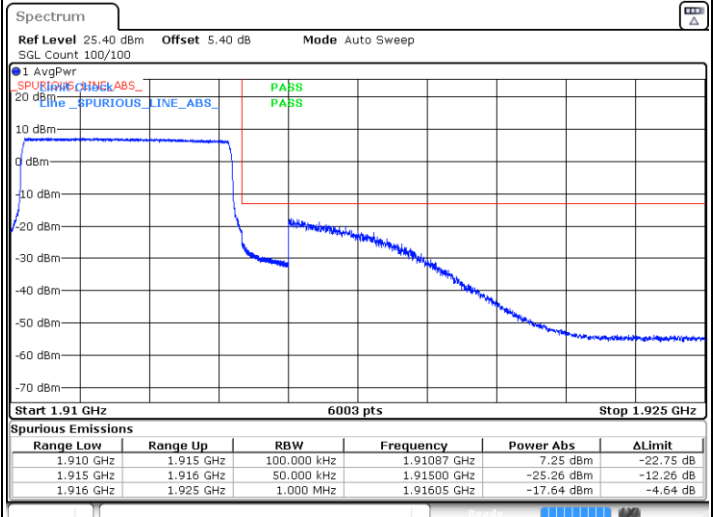
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



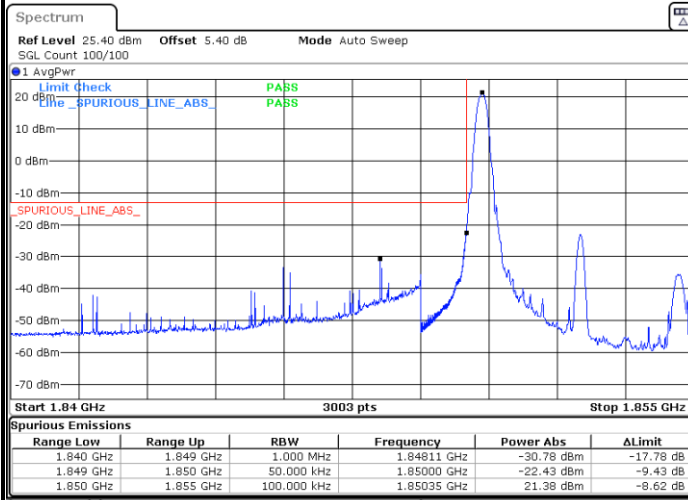
Highest Band Edge / Full RB



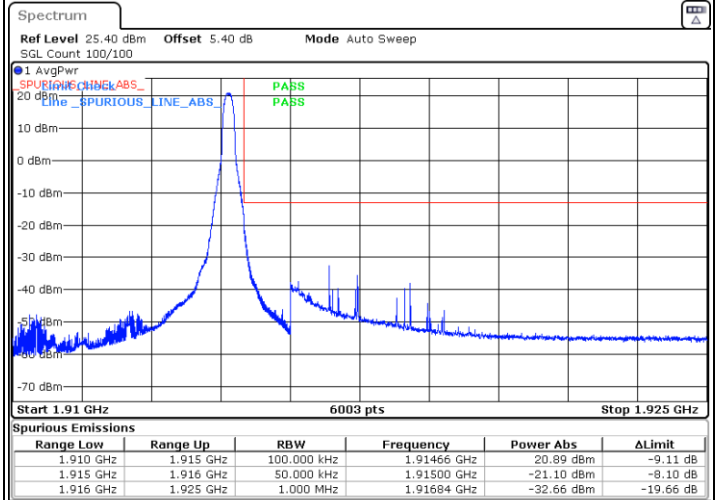


LTE Band 25 / 5MHz / 16QAM

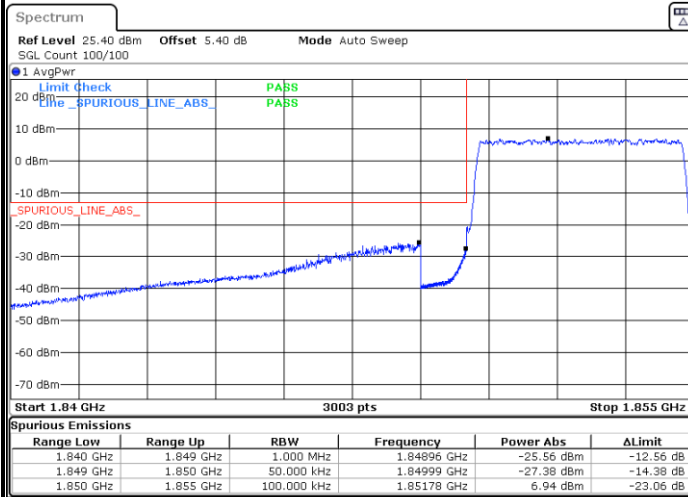
Lowest Band Edge / 1RB



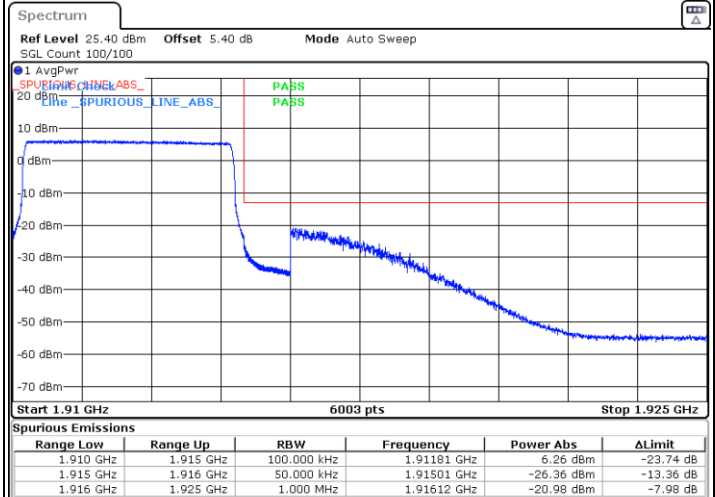
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



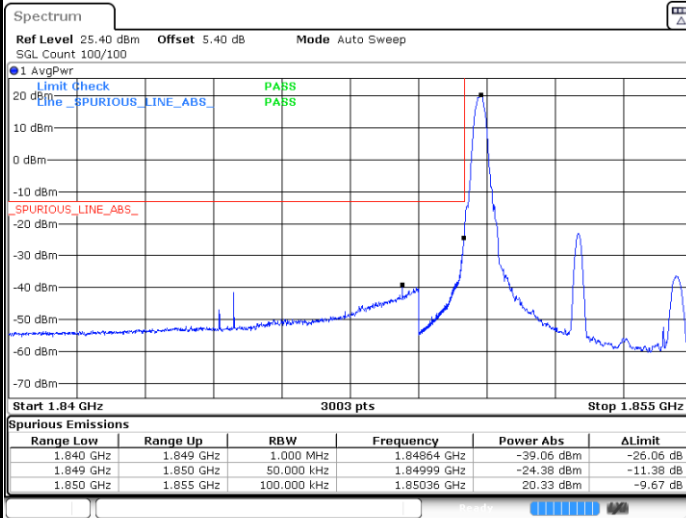
Highest Band Edge / Full RB



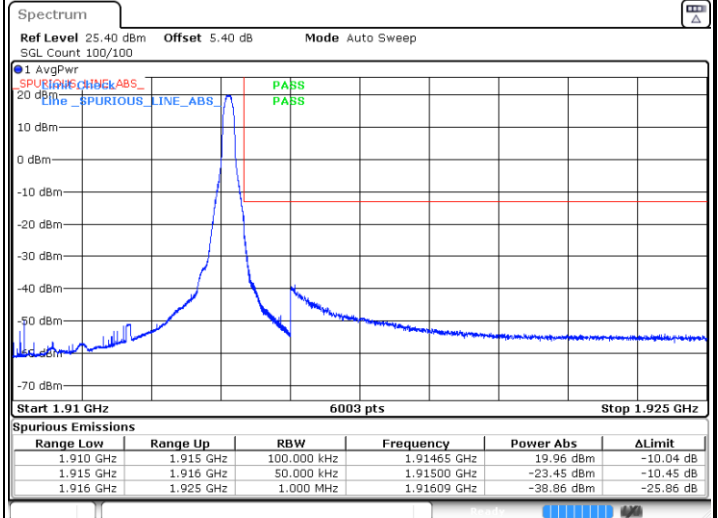


LTE Band 25 / 5MHz / 64QAM

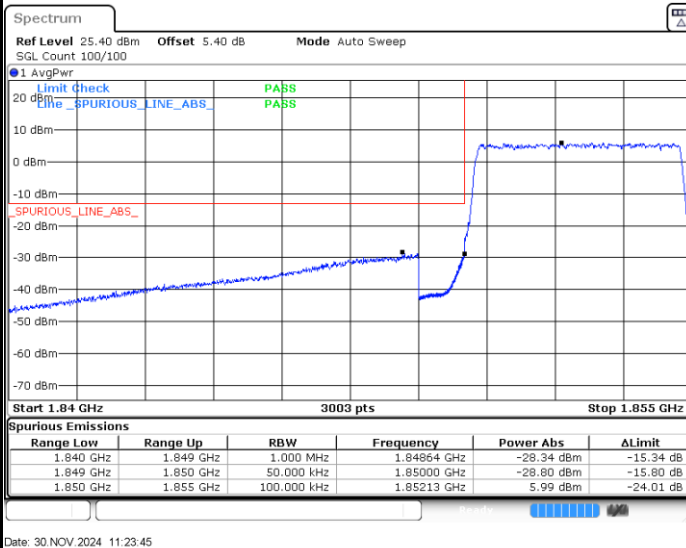
Lowest Band Edge / 1RB



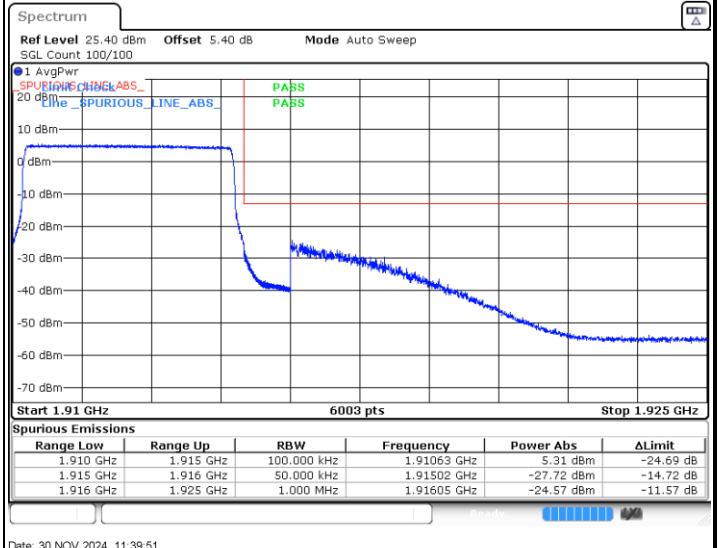
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



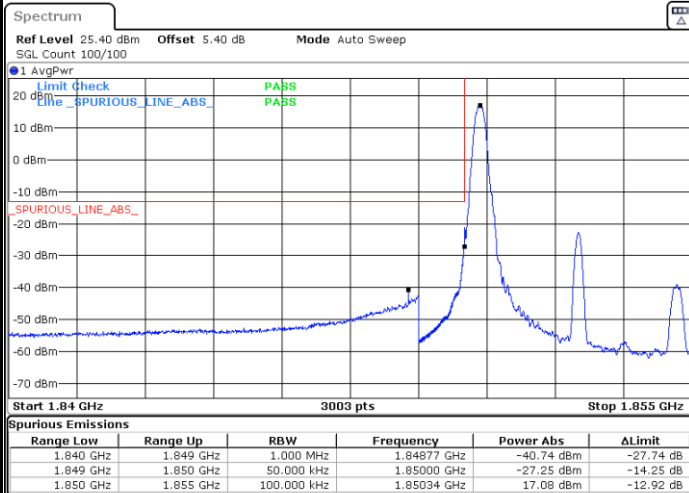
Highest Band Edge / Full RB



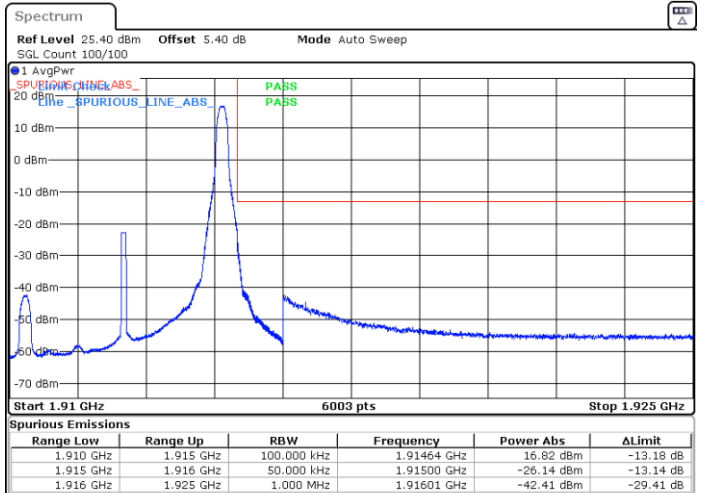


LTE Band 25 / 5MHz / 256QAM

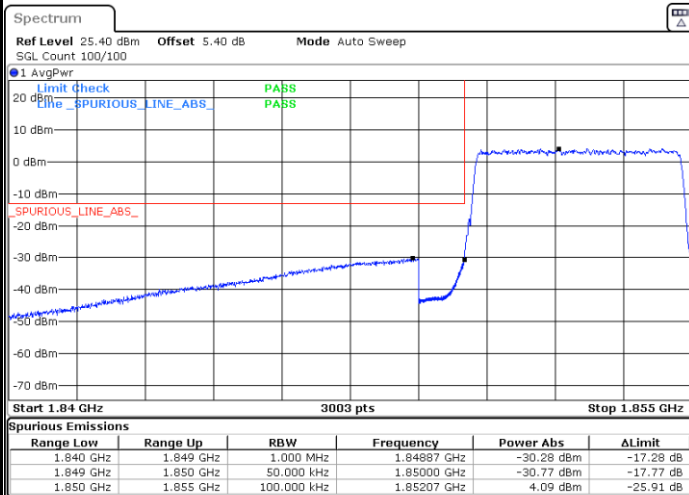
Lowest Band Edge / 1RB



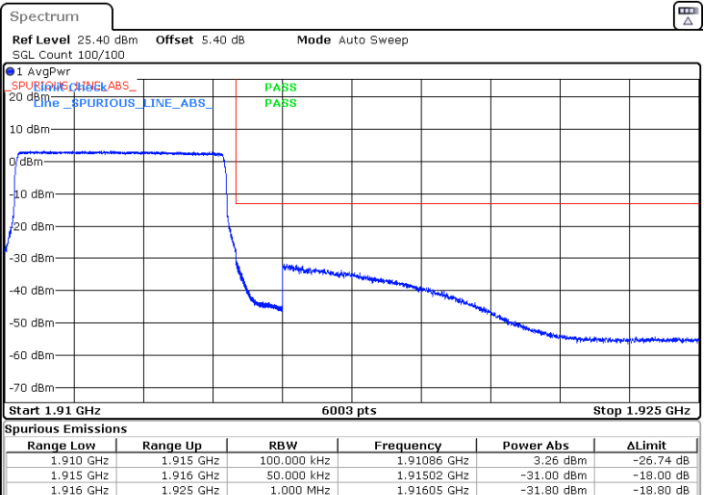
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



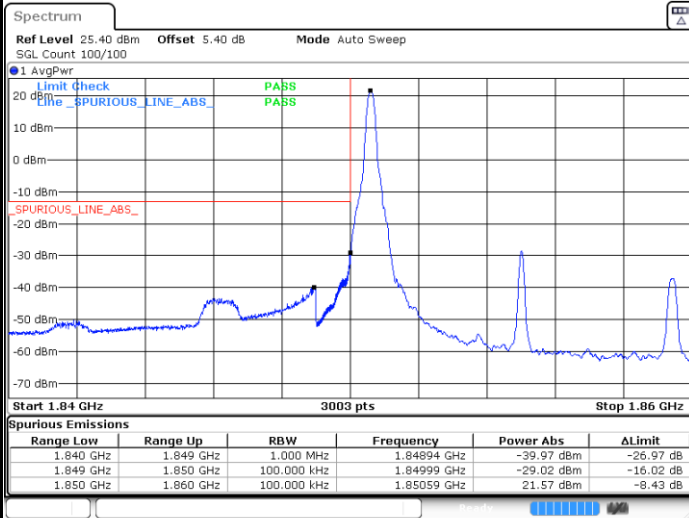
Highest Band Edge / Full RB



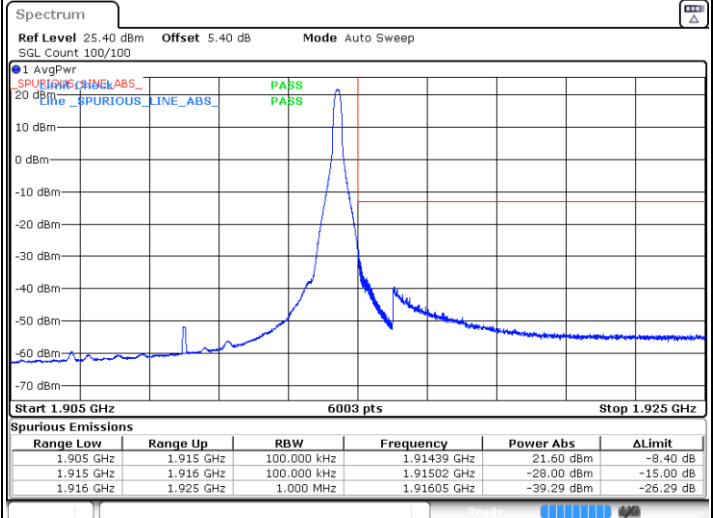


LTE Band 25 / 10MHz / QPSK

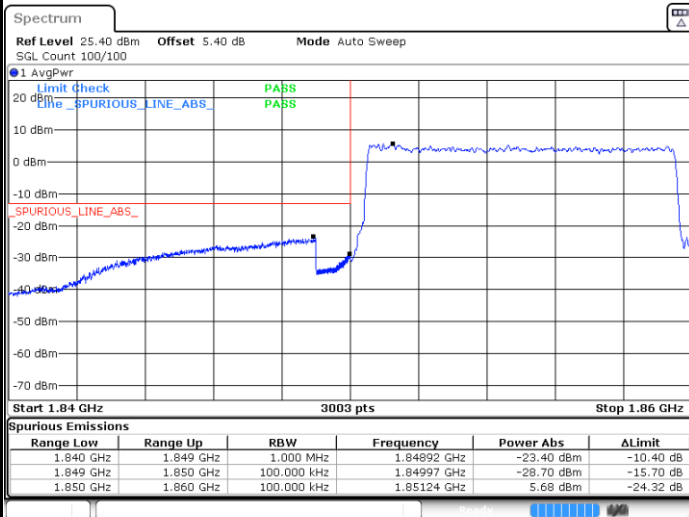
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

