FCC RF Test Report

APPLICANT	:	Motorola Mobility LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	XT2331-1, XT2333-1
FCC ID	:	IHDT56AH6
STANDARD	:	47 CFR Part 2, 22(H), 24(E), 27(L), 27(F), 27(M)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	Aug. 26, 2022 ~ Oct. 17, 2022

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

ACCREDITED
Cert #5145.02

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APPENDIX A. TEST RESULTS OF CONDUCTED TEST

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG282501B	Rev. 01	Initial issue of report	Oct. 28, 2022

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 13)	ERP < 3 Watt		-
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 7) (Band 38)	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(c)(2)(4) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 13) (Band 26) (Band 66)	< 43+10log10(P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38)	§27.53(m)(4)		
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 13) (Band 26) (Band 66)	< 43+10log10(P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 38)	< 55+10log$_{10}$(P[Watts])		
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		

Report Section	FCC Rule	Description	Limit	Result	Remark
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 13) (Band 26) (Band 66)	< 43+10log$_{10}$(P[Watts])	PASS	Under limit 23.34 dB at 1560.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38)	< 55+10log$_{10}$(P[Watts])		

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Applicant

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2331-1, XT2333-1
FCC ID	IHDT56AH6
IMEI Code	Conducted: 355650970011873/355650970011881 Radiation: 355650970023597/354648960009478
HW Version	DVT2
SW Version	THA33.23
EUT Stage	Identical Prototype

Remark: There are four types of EUT, the sample 1/2 model name is XT2331-1 and the sample 3/4 model name is XT2333-1, the differences could be referred to the XT2331-1, XT2333-1_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we choose sample 1 to full test and the sample 3 is verified for the difference for Radiation.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 26 : 824 MHz ~ 849 MHz LTE Band 38 : 2570 MHz ~ 2620 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 7 : 2620 MHz ~ 2690 MHz LTE Band 13 : 746 MHz ~ 756 MHz

	LTE Band 26 : 869 MHz ~ 894 MHz LTE Band 38: 2570 MHz ~ 2620 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 7 : 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 13 : 5MHz / 10MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 22.80 dBm LTE Band 4 : 22.99 dBm LTE Band 5 : 22.47 dBm LTE Band 7 : 23.05 dBm LTE Band 13 : 22.99 dBm LTE Band 26 : 22.53 dBm LTE Band 38 : 22.89 dBm LTE Band 66 : 23.10 dBm
Antenna Gain	LTE Band 2 : -1.5 dBi LTE Band 4 : -0.6 dBi LTE Band 5 : -2.6 dBi LTE Band 7 : 0.5 dBi LTE Band 13 : -4.2 dBi LTE Band 26 : -2.6 dBi LTE Band 38 : 0.5 dBi LTE Band 66 : -0.6 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

1.5 Modification of EUT

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

1.6 Specification of Accessory

Accessories Information				
For XT2331-1				
AC Adapter 1(US)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-101
AC Adapter 1(EU)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-102
AC Adapter 1(UK)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-103
AC Adapter 1(IN)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-104
AC Adapter 1(AU)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-105
AC Adapter 2(US)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-101
AC Adapter 2(EU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-102
AC Adapter 2(UK)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-103
AC Adapter 2(AU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-105
AC Adapter 3(US)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-101
AC Adapter 3(EU)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-102
AC Adapter 3(UK)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-103

AC Adapter 3(AU)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-105
AC Adapter 4(US)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-201L
AC Adapter 4(EU)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-202L
AC Adapter 4(AR)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-206L
AC Adapter 4(BR)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-207L
AC Adapter 4(CHILE)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-209L
AC Adapter 5(US)	**Brand Name**	Motorola (AOHAI)	**Model Name**	MC-201L
AC Adapter 5(EU)	**Brand Name**	Motorola (AOHAI)	**Model Name**	MC-202L
AC Adapter 5(AR)	**Brand Name**	Motorola (AOHAI)	**Model Name**	MC-206L
AC Adapter 5(CHILE)	**Brand Name**	Motorola (AOHAI)	**Model Name**	MC-209L
AC Adapter 6(BR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-207
Battery 1	**Brand Name**	Motorola(SUNWODA)	**Model Name**	NH50
Battery 2	**Brand Name**	Motorola(ATL)	**Model Name**	NH50
Earphone 1	**Brand Name**	Motorola(Xinlide)	**Model Name**	MH202
Earphone 2	**Brand Name**	Motorola(Lianyun)	**Model Name**	MH202
USB Cable 1	**Brand Name**	Motorola(KingPower)	**Model Name**	K235-08073-H0
USB Cable 2	**Brand Name**	Motorola(Broad)	**Model Name**	HO0004
USB Cable 3	**Brand Name**	Motorola(KINGHOME)	**Model Name**	4G data cable
For XT2333-1				
AC Adapter 7(US)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-331
AC Adapter 7(EU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-332
AC Adapter 7(UK)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-333
AC Adapter 7(IN)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-334
AC Adapter 7(AU)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-335
AC Adapter 7(BR)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-337
AC Adapter 7(CHILE)	**Brand Name**	Motorola (Salcomp)	**Model Name**	MC-339
AC Adapter 8(US)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-331
AC Adapter 8(EU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-332
AC Adapter 8(AU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-335
AC Adapter 8(AR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-336
AC Adapter 8(BR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-337
AC Adapter 8(PRC)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-338
AC Adapter 9(US)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-331
AC Adapter 9(EU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-332
AC Adapter 9(UK)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-333
Battery 3	**Brand Name**	Motorola(ATL)	**Model Name**	PH50
Battery 4	**Brand Name**	Motorola(SUNWODA)	**Model Name**	PH50
USB Cable 4	**Brand Name**	Motorola(KingPower)	**Model Name**	K235-08074-H0
USB Cable 5	**Brand Name**	Motorola(Broad)	**Model Name**	HO0003
USB Cable 6	**Brand Name**	Motorola(KINGHOME)	**Model Name**	5G data cable

1.7 Maximum ERP/EIRP Power and Emission Designator

LTE Band 2		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	1860.0 ~ 1900.0	0.1349	17M8G7D	0.1079	17M9W7D
LTE Band 4		**QPSK**		**16QAM/64QAM**	
BW (MHz)	**Frequency Range (MHz)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**
20	1720.0 ~ 1745.0	0.1734	17M9G7D	0.1422	17M8W7D
LTE Band 5		**QPSK**		**16QAM/64QAM**	
BW (MHz)	**Frequency Range (MHz)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**
10	829.0 ~ 844.0	0.0592	9M07G7D	0.0530	9M05W7D
LTE Band 7		**QPSK**		**16QAM/64QAM**	
BW (MHz)	**Frequency Range (MHz)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**
20	2510.0 ~ 2560.0	0.2265	17M9G7D	0.1811	17M8W7D
LTE Band 13		**QPSK**		**16QAM/64QAM**	
BW (MHz)	**Frequency Range (MHz)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**
10	782.0	0.0461	9M01G7D	0.0370	9M05W7D
LTE Band 26		**QPSK**		**16QAM/64QAM**	
BW (MHz)	**Frequency Range (MHz)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**
15	831.5 ~ 841.5	0.0600	13M5G7D	0.0522	13M4W7D
CH26790	824	0.0589	13M5G7D	0.0508	13M5W7D
LTE Band 38		**QPSK**		**16QAM/64QAM**	
BW (MHz)	**Frequency Range (MHz)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**
20	2580.0 ~ 2610.0	0.2183	17M9G7D	0.1734	17M9W7D
LTE Band 66		**QPSK**		**16QAM/64QAM**	
BW (MHz)	**Frequency Range (MHz)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**
20	1720.0 ~ 1770.0	0.1778	17M9G7D	0.1413	17M8W7D

Note:

1. LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 5 and the portion of Band 26 subject to Part 22.
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.

1.8 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 FAX : +86-512-57900958		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-KS TH01-KS	CN1257	314309

1.9 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24al

1.10 Applicable Standards

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

- 47 CFR Part 2, 22(H), 24(E), 27(L), 27(F), 27(M)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission(Y, Z plane).

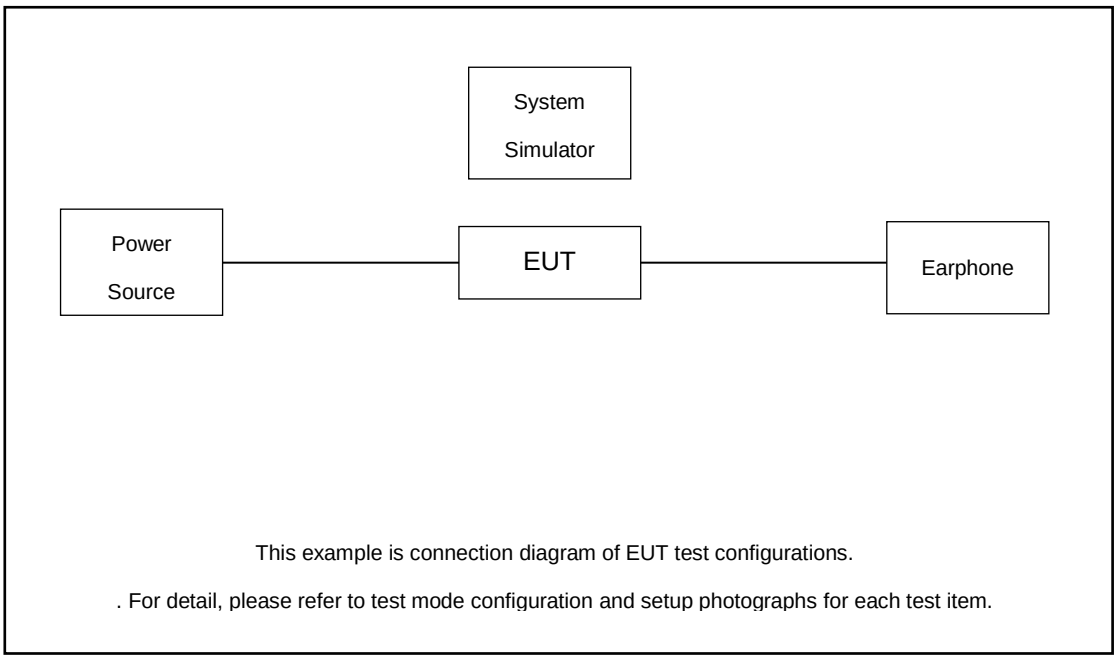
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v		v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v		v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v		v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v		v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v		v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v		v	v	v	v
Peak-to-Average Ratio	2						v	v	v	v			v		v	
	7	-	-				v	v	v	v			v		v	
	13	-	-		v	-	-	v	v	v			v		v	
	26					v	-	v	v	v			v		v	
	38	-	-				v	v	v	v			v		v	
	66						v	v	v	v			v		v	
26dB and 99% Bandwidth	2						v	v	v				v		v	
	7	-	-				v	v	v				v		v	
	13	-	-		v	-	-	v	v				v		v	
	26				v	v	-	v	v				v		v	
	38	-	-				v	v	v				v		v	
	66						v	v	v				v		v	
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v	v		v	v		v
	7	-	-	v	v	v	v	v	v	v	v		v	v		v
	13	-	-	v	v	-	-	v	v	v	v		v	v		v
	26	v	v	v	v	v	-	v	v	v	v		v	v		v
	38	-	-	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

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Conducted Spurious Emission	2	v	v	v	v	v	v	v			v			v	v	v
	7	-	-	v	v	v	v	v			v			v	v	v
	13	-	-	v	v	-	-	v			v			v	v	v
	26	v	v	v	v	v	-	v			v			v	v	v
	38	-	-	v	v	v	v	v			v			v	v	v
	66	v	v	v	v	v	v	v			v			v	v	v
Frequency Stability	2				v			v					v		v	
	7	-	-		v			v					v		v	
	13	-	-		v	-	-	v					v		v	
	26				v		-	v					v		v	
	38	-	-		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
	4	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
	7	-	-	v	v	v	v	v	v	v	v		v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v		v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v		v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v		v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	2	Worst Case													v	
	7	Worst Case													v	
	13	Worst Case													v	
	26	Worst Case													v	
	38	Worst Case													v	
	66	Worst Case													v	

Note

1. The mark "**v** " means that this configuration is chosen for testing
2. The mark "-" means that this bandwidth is not supported.
3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.
4. LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 5 and the portion of Band 26 subject to Part 22.
5. LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, the test results provided in this report covers Band 66 as well as Band 4.

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss 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.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 5.5 dB.

Example :

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

= 5.5 (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 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

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

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

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

LTE Band 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

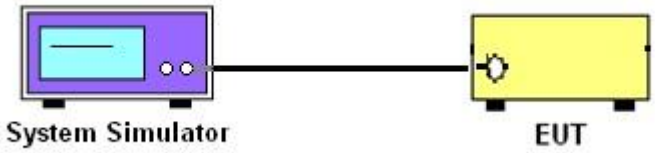
3 Conducted Test Items

3.1 Measuring Instruments

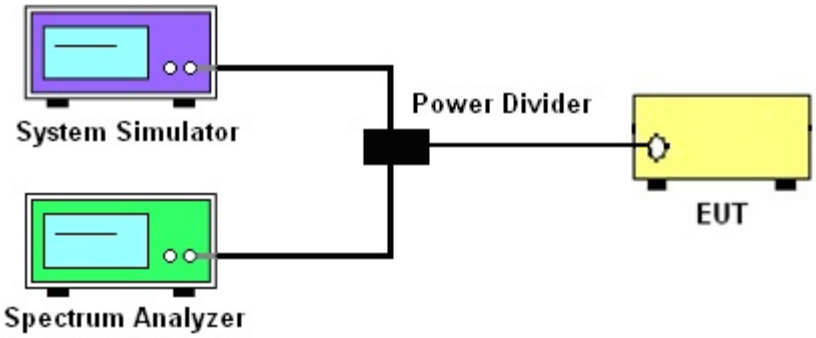
See list of measuring instruments of this test report.

3.2 Test Setup

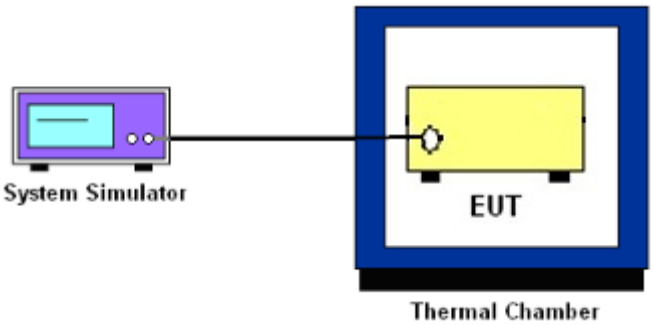
3.2.1 Conducted Output Power



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 ERP of mobile transmitters must not exceed 3 Watts for Band 13.

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

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[Watts]) dB below the transmitter power P(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[Watts]) dB below the transmitter power P(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 (c)

For operations in the 776-788 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least 65 + 10 log10 p(watts), dB, for mobile and portable equipment.

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(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.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.7.2 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 band edges of low and high channels for the highest RF powers were measured.
4. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

   Example:

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

   = P(W)- [43 + 10log(P)] (dB)

   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
9. For LTE Band 7, 38, the other 40 dB, and 55 dB have additionally applied same calculation above.
10. 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.

For Band 7,38:

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 55 + 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 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
11. For Band 7, 38
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55+ 10log(P)] (dB)
    = [30+ 10log(P)] (dBm) - [55+ 10log(P)] (dB)
    = -25dBm.

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 ±0.00025% (±2.5ppm) 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±5°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.

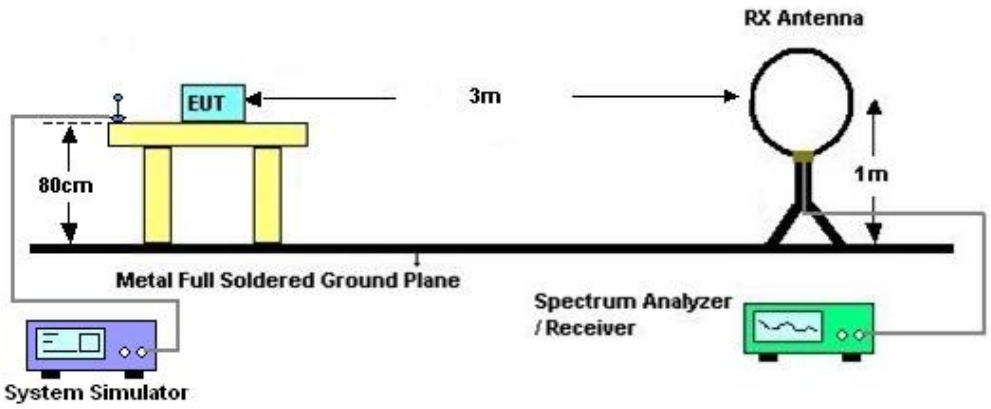
4 Radiated Test Items

4.1 Measuring Instruments

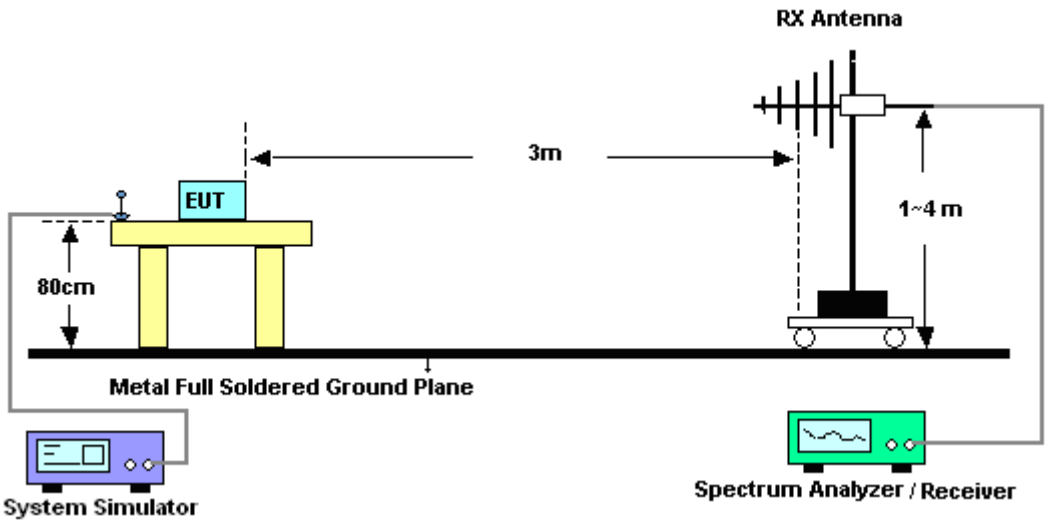
See list of measuring instruments of this test report.

4.2 Test Setup

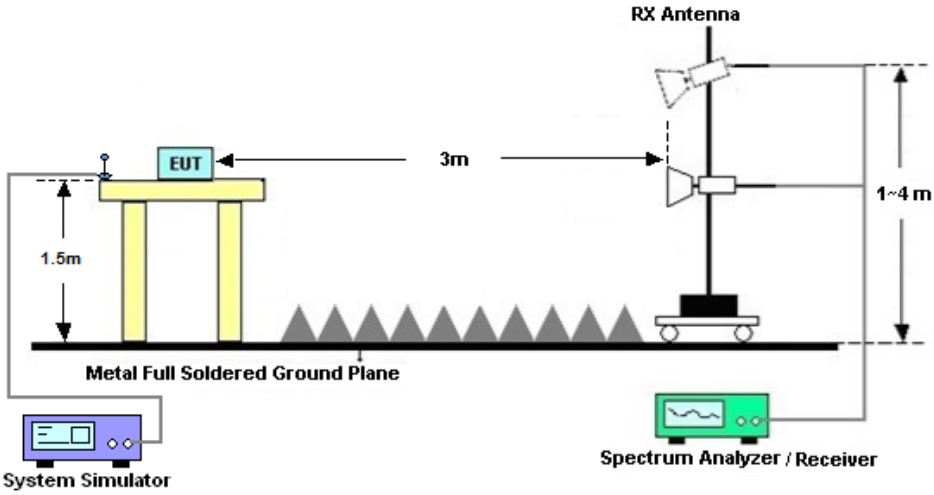
4.2.1 For radiated test below 30MHz



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.

For Band 7, 38

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 55 + 10 log (P) dB.

For Band 13

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

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (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 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
13. For Band 7, 38:
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 11, 2021	Aug. 26, 2022~ Sep. 26, 2022	Oct. 10, 2022	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	Aug. 25, 2022	Aug. 26, 2022~ Sep. 26, 2022	Aug. 24, 2023	Conducted (TH01-KS)
Temperature &humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 15, 2022	Aug. 26, 2022~ Sep. 26, 2022	Jul. 14, 2023	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz-44G,MAX 30dB	Oct. 12, 2022	Oct. 17, 2022	Oct. 11, 2023	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Oct. 17, 2022	Oct. 29, 2022	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 24, 2022	Oct. 17, 2022	May 23, 2023	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1284	1GHz~18GHz	Jan. 05, 2022	Oct. 17, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2022	Oct. 17, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 05, 2022	Oct. 17, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2022	Oct. 17, 2022	Jan. 04, 2023	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18GA	060840	1Ghz-18Ghz	Oct. 12, 2022	Oct. 17, 2022	Oct. 11, 2023	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz-18Ghz	Oct. 12, 2022	Oct. 17, 2022	Oct. 11, 2023	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Oct. 17, 2022	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Oct. 17, 2022	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Oct. 17, 2022	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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 Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.3dB**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.8dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and ERP/EIRP

LTE Band 2:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	22.77	22.80	22.70	0.1340	0.1349	0.1318
20	QPSK	1	99	22.54	22.69	22.60	0.1271	0.1315	0.1288
20	QPSK	100	0	21.66	21.78	21.70	0.1038	0.1067	0.1047
20	16QAM	1	0	21.67	21.83	21.70	0.1040	0.1079	0.1047
20	64QAM	1	0	20.85	20.90	20.73	0.0861	0.0871	0.0838
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H
15	QPSK	1	0	22.66	22.77	22.61	0.1306	0.1340	0.1291
15	16QAM	1	0	21.56	21.76	21.64	0.1014	0.1062	0.1033
Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	22.56	22.66	22.68	0.1276	0.1306	0.1312
10	16QAM	1	0	21.65	21.72	21.57	0.1035	0.1052	0.1016
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	22.73	22.71	22.55	0.1327	0.1321	0.1274
5	16QAM	1	0	21.60	21.74	21.61	0.1023	0.1057	0.1026
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	22.66	22.63	22.57	0.1306	0.1297	0.1279
3	16QAM	1	0	21.50	21.76	21.55	0.1000	0.1062	0.1012
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	22.72	22.74	22.59	0.1324	0.1330	0.1285
1.4	16QAM	1	0	21.60	21.76	21.70	0.1023	0.1062	0.1047

LTE Band 4:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745	L	M	H
20	QPSK	1	0	22.94	22.99	22.87	0.1714	0.1734	0.1687
20	QPSK	1	99	22.94	22.97	22.87	0.1714	0.1726	0.1687
20	QPSK	100	0	22.01	22.09	22.03	0.1384	0.1409	0.1390
20	16QAM	1	0	21.95	22.13	22.07	0.1365	0.1422	0.1403
20	64QAM	1	0	21.14	21.20	21.05	0.1132	0.1148	0.1109
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	22.79	22.94	22.75	0.1656	0.1714	0.1641
15	16QAM	1	0	21.90	22.06	21.94	0.1349	0.1400	0.1361
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	22.86	22.91	22.70	0.1683	0.1702	0.1622
10	16QAM	1	0	21.90	22.03	21.88	0.1349	0.1390	0.1343
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	22.92	22.82	22.70	0.1706	0.1667	0.1622
5	16QAM	1	0	21.97	22.04	22.02	0.1371	0.1393	0.1387
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	22.86	22.83	22.79	0.1683	0.1671	0.1656
3	16QAM	1	0	22.01	22.05	21.99	0.1384	0.1396	0.1377
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	22.79	22.89	22.74	0.1656	0.1694	0.1637
1.4	16QAM	1	0	22.06	22.08	21.96	0.1400	0.1406	0.1368

LTE Band 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844	L	M	H
10	QPSK	1	0	22.43	22.47	22.41	0.0586	0.0592	0.0583
10	QPSK	1	49	22.25	22.34	22.35	0.0562	0.0574	0.0575
10	QPSK	50	0	21.36	21.43	21.35	0.0458	0.0466	0.0457
10	16QAM	1	0	21.61	21.99	21.76	0.0485	0.0530	0.0502
10	64QAM	1	0	20.65	20.73	20.77	0.0389	0.0396	0.0400
Channel				20425	20525	20625	ERP(W)		
Frequency (MHz)				826.5	836.5	846.5	L	M	H
5	QPSK	1	0	22.34	22.42	22.33	0.0574	0.0585	0.0573
5	16QAM	1	0	21.57	21.71	21.67	0.0481	0.0497	0.0492
Channel				20415	20525	20635	ERP(W)		
Frequency (MHz)				825.5	836.5	847.5	L	M	H

3	QPSK	1	0	22.34	22.39	22.35	0.0574	0.0581	0.0575
3	16QAM	1	0	21.52	21.71	21.68	0.0475	0.0497	0.0493
Channel				20407	20525	20643	ERP(W)		
Frequency (MHz)				824.7	836.5	848.3	L	M	H
1.4	QPSK	1	0	22.40	22.46	22.42	0.0582	0.0590	0.0585
1.4	16QAM	1	0	21.62	21.87	21.98	0.0486	0.0515	0.0528

LTE Band 7:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20850	20850	21350			
Frequency (MHz)				2510	2535	2560	L	M	H
20	QPSK	1	0	22.92	23.05	22.97	0.2198	0.2265	0.2223
20	QPSK	1	99	22.77	22.95	22.87	0.2123	0.2213	0.2173
20	QPSK	100	0	21.83	22.01	21.85	0.1710	0.1782	0.1718
20	16QAM	1	0	21.90	22.08	21.91	0.1738	0.1811	0.1742
20	64QAM	1	0	21.06	21.15	21.05	0.1432	0.1462	0.1429
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	22.75	23.00	22.81	0.2113	0.2239	0.2143
15	16QAM	1	0	21.78	21.98	21.84	0.1690	0.1770	0.1714
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	22.83	22.93	22.87	0.2153	0.2203	0.2173
10	16QAM	1	0	21.76	21.93	21.87	0.1683	0.1750	0.1726
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	22.82	22.97	22.84	0.2148	0.2223	0.2158
5	16QAM	1	0	21.74	22.00	21.85	0.1675	0.1778	0.1718

LTE Band 13:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23230					
Frequency (MHz)				782				M	
10	QPSK	1	0		22.99			0.0461	
10	QPSK	1	49		22.78			0.0440	
10	QPSK	50	0		21.93			0.0361	
10	16QAM	1	0		22.03			0.0370	
10	64QAM	1	0		21.10			0.0299	
Channel				23205	23230	23255	ERP(W)		
Frequency (MHz)				779.5	782	784.5	L	M	H
5	QPSK	1	0	22.83	22.92	22.89	0.0445	0.0454	0.0451
5	16QAM	1	0	21.91	21.98	21.86	0.0360	0.0366	0.0356

LTE Band 26:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)			
Channel				26790	26865	26915	26965				
Frequency (MHz)				824	831.5	836.5	841.5	Straddle Ch	L	M	H
15	QPSK	1	0	22.45	22.53	22.40	22.47	0.0589	0.0600	0.0582	0.0592
15	QPSK	1	74	22.18	22.27	22.23	22.31	0.0553	0.0565	0.0560	0.0570
15	QPSK	75	0	21.36	21.46	21.27	21.34	0.0458	0.0469	0.0449	0.0456
15	16QAM	1	0	21.81	21.93	21.65	21.76	0.0508	0.0522	0.0490	0.0502
15	64QAM	1	0	20.47	20.83	20.69	20.82	0.0373	0.0406	0.0393	0.0405
Channel				26790	26840	26915	26990	ERP(W)			
Frequency (MHz)				824	829	836.5	844	Straddle Ch	L	M	H
10	QPSK	1	0	22.32	22.50	22.33	22.40	0.0571	0.0596	0.0573	0.0582
10	16QAM	1	0	21.38	21.87	21.57	21.71	0.0460	0.0515	0.0481	0.0497
Channel				26790	26815	26915	27015	ERP(W)			
Frequency (MHz)				824	826.5	836.5	846.5	Straddle Ch	L	M	H
5	QPSK	1	0	22.28	22.47	22.34	22.44	0.0566	0.0592	0.0574	0.0587
5	16QAM	1	0	21.74	21.84	21.55	21.72	0.0500	0.0512	0.0479	0.0498
Channel				26790	26815	26915	27025	ERP(W)			
Frequency (MHz)				824	825.5	836.5	847.5	Straddle Ch	L	M	H
3	QPSK	1	0	22.41	22.49	22.30	22.40	0.0583	0.0594	0.0569	0.0582
3	16QAM	1	0	21.68	21.83	21.55	21.67	0.0493	0.0511	0.0479	0.0492
Channel				26790	26797	26915	27033	ERP(W)			
Frequency (MHz)				824	824.7	836.5	848.3	Straddle Ch	L	M	H
1.4	QPSK	1	0	22.24	22.45	22.32	22.37	0.0561	0.0589	0.0571	0.0578
1.4	16QAM	1	0	21.63	21.90	21.55	21.70	0.0488	0.0519	0.0479	0.0495

LTE Band 38:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	L	M	H
20	QPSK	1	0	22.82	22.89	22.78	0.2148	0.2183	0.2128
20	QPSK	1	99	21.84	21.99	21.91	0.1714	0.1774	0.1742
20	QPSK	100	0	21.81	21.97	21.92	0.1702	0.1766	0.1746
20	16QAM	1	0	21.85	21.89	21.73	0.1718	0.1734	0.1671
20	64QAM	1	0	20.62	20.79	20.74	0.1294	0.1346	0.1330
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	22.72	22.85	22.72	0.2099	0.2163	0.2099
15	16QAM	1	0	21.81	21.79	21.63	0.1702	0.1694	0.1633
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	22.64	22.82	22.59	0.2061	0.2148	0.2037

10	16QAM	1	0	21.55	21.75	21.59	0.1603	0.1679	0.1618
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	22.78	22.80	22.70	0.2128	0.2138	0.2089
5	16QAM	1	0	21.82	21.80	21.63	0.1706	0.1698	0.1633

LTE Band 66:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770	L	M	H
20	QPSK	1	0	22.99	23.10	22.83	0.1734	0.1778	0.1671
20	QPSK	1	99	22.96	23.03	23.01	0.1722	0.1750	0.1742
20	QPSK	100	0	21.92	22.02	21.88	0.1355	0.1387	0.1343
20	16QAM	1	0	22.10	22.09	22.01	0.1413	0.1409	0.1384
20	64QAM	1	0	21.05	21.26	21.33	0.1109	0.1164	0.1183
Channel				132047	132322	132597	EIRP(W)		
Frequency (MHz)				1717.5	1745	1772.5	L	M	H
15	QPSK	1	0	22.80	22.96	22.90	0.1660	0.1722	0.1698
15	16QAM	1	0	22.07	22.04	21.84	0.1403	0.1393	0.1330
Channel				132022	132322	132622	EIRP(W)		
Frequency (MHz)				1715	1745	1775	L	M	H
10	QPSK	1	0	22.91	22.98	22.72	0.1702	0.1730	0.1629
10	16QAM	1	0	21.98	22.01	21.94	0.1374	0.1384	0.1361
Channel				131997	132322	132647	EIRP(W)		
Frequency (MHz)				1712.5	1745	1777.5	L	M	H
5	QPSK	1	0	22.91	23.06	22.72	0.1702	0.1762	0.1629
5	16QAM	1	0	21.98	22.06	21.93	0.1374	0.1400	0.1358
Channel				131987	132322	132657	EIRP(W)		
Frequency (MHz)				1711.5	1745	1778.5	L	M	H
3	QPSK	1	0	22.83	23.01	22.70	0.1671	0.1742	0.1622
3	16QAM	1	0	21.94	21.91	21.93	0.1361	0.1352	0.1358
Channel				131979	132322	132665	EIRP(W)		
Frequency (MHz)				1710.7	1745	1779.3	L	M	H
1.4	QPSK	1	0	22.80	23.03	22.94	0.1660	0.1750	0.1714
1.4	16QAM	1	0	21.86	21.95	21.80	0.1337	0.1365	0.1318

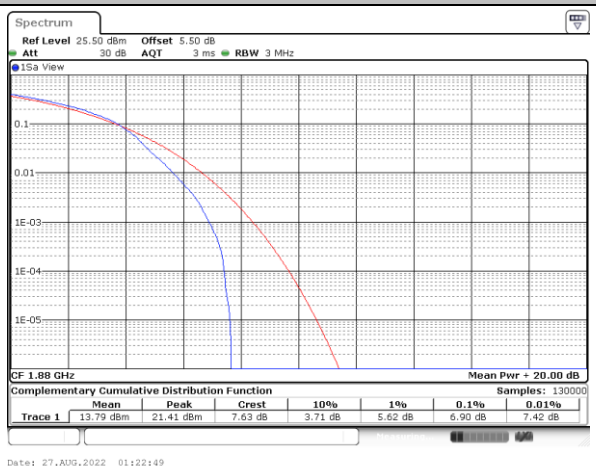
LTE Band 2

Peak-to-Average Ratio

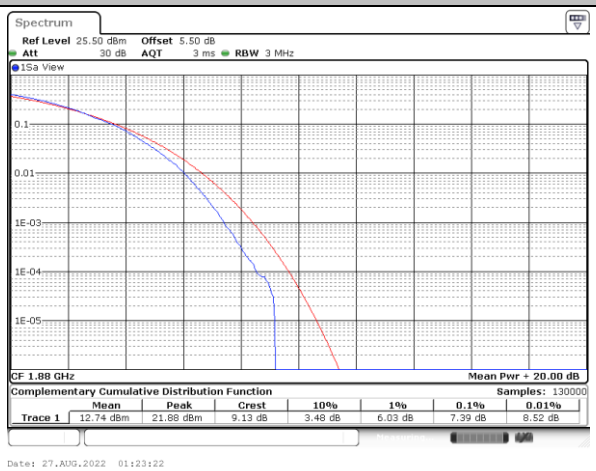
Mode	LTE Band 2 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB			Result
Middle CH	6.90	7.39	6.35	PASS

LTE Band 2 / 20MHz

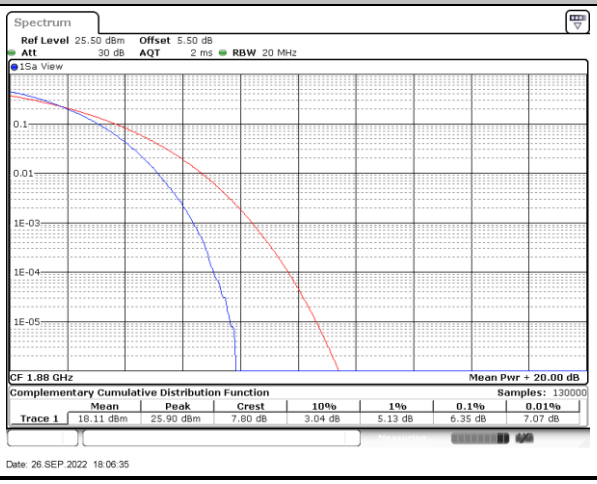
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM

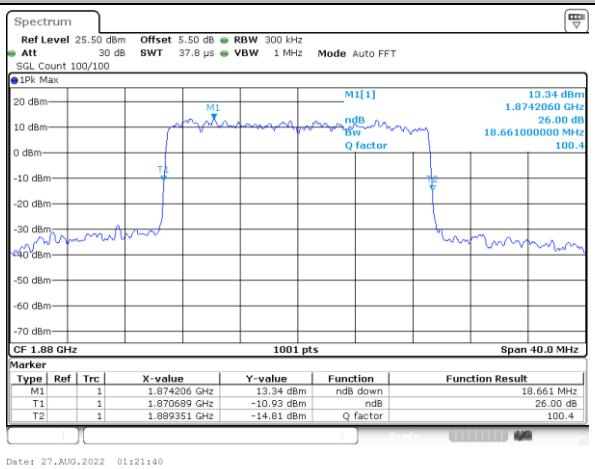


26dB Bandwidth

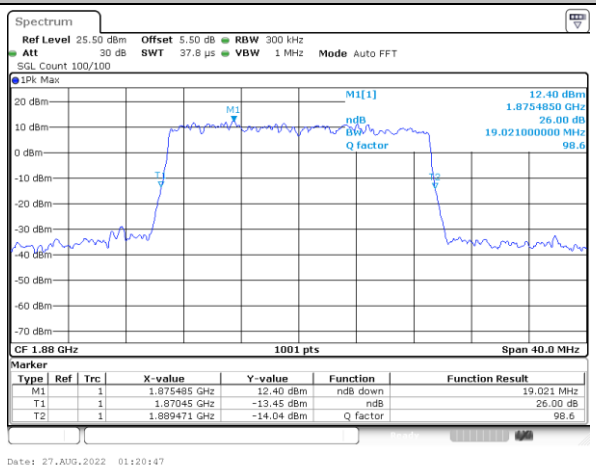
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.66	19.02

LTE Band 2

Middle Channel / 20MHz / QPSK



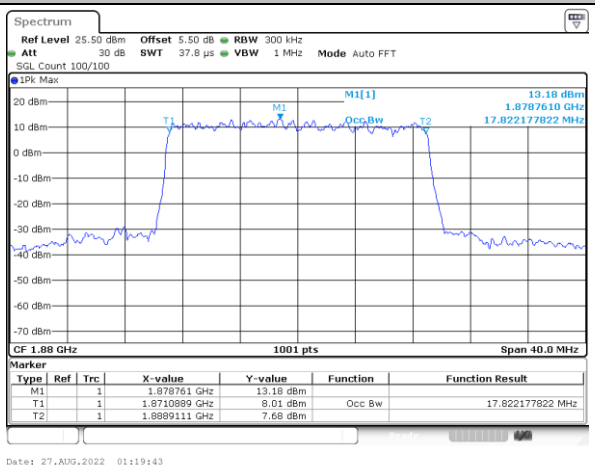
Middle Channel / 20MHz / 16QAM

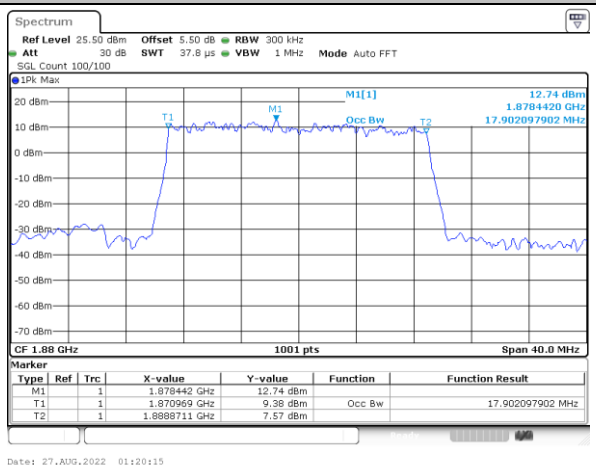


Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.90

LTE Band 2	
Middle Channel / 20MHz / QPSK	Middle Channel / 20MHz / 16QAM

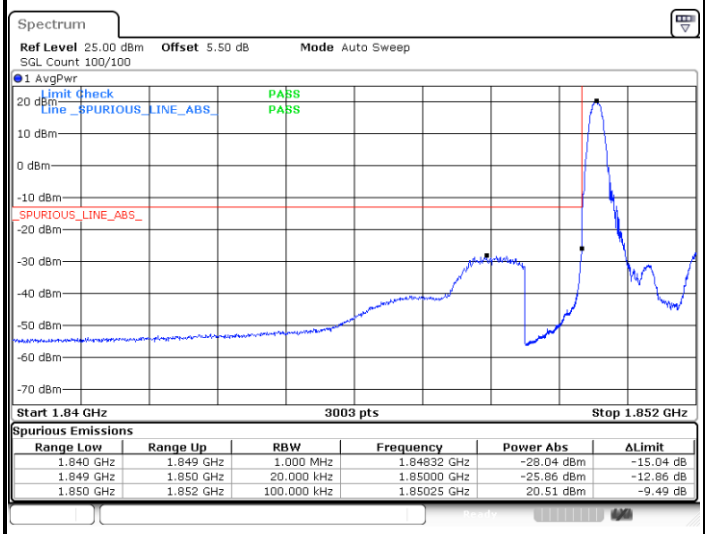




Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

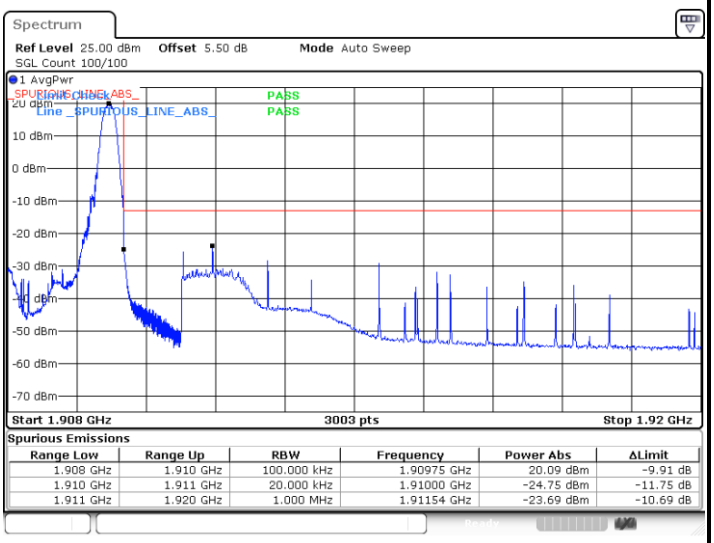


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84832 GHz	-28.04 dBm	-15.04 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-25.86 dBm	-12.86 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85025 GHz	20.51 dBm	-9.49 dB

Date: 26.AUG.2022 23:01:12

Highest Band Edge / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90975 GHz	20.09 dBm	-9.91 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-24.75 dBm	-11.75 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91154 GHz	-23.69 dBm	-10.69 dB

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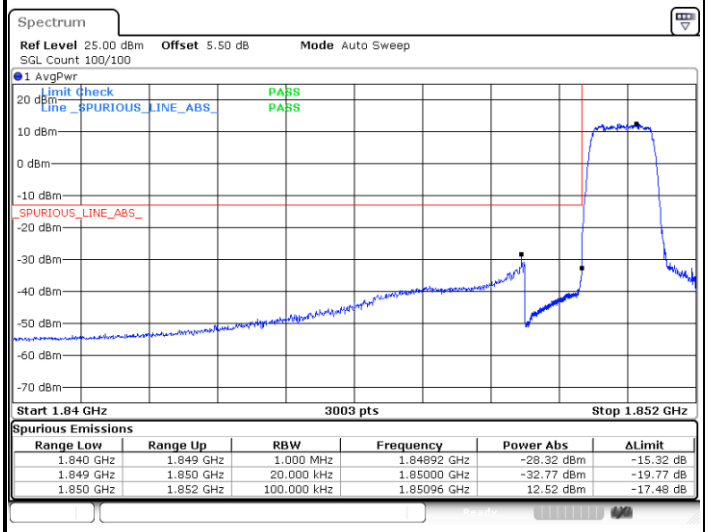
Lowest Band Edge / Full RB

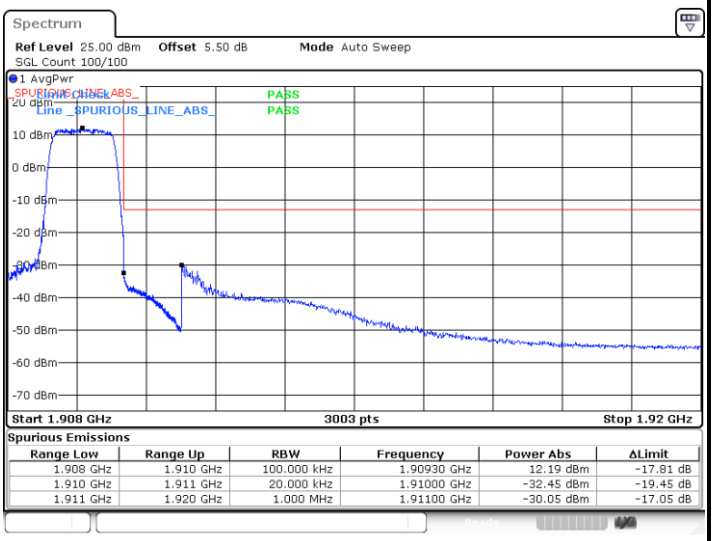


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84892 GHz	-28.32 dBm	-15.32 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-32.77 dBm	-19.77 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85096 GHz	12.52 dBm	-17.48 dB

Date: 26.AUG.2022 23:04:56

Highest Band Edge / Full RB



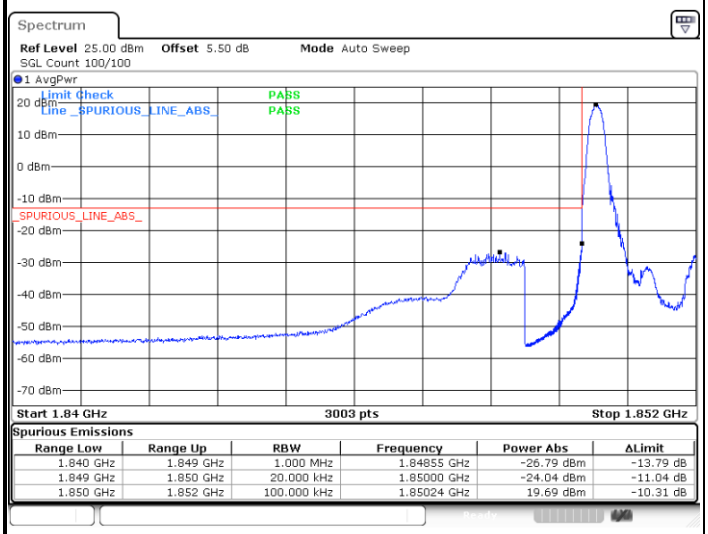
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90930 GHz	12.19 dBm	-17.81 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-32.45 dBm	-19.45 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91100 GHz	-30.05 dBm	-17.05 dB

Date: 26.AUG.2022 23:18:30

LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

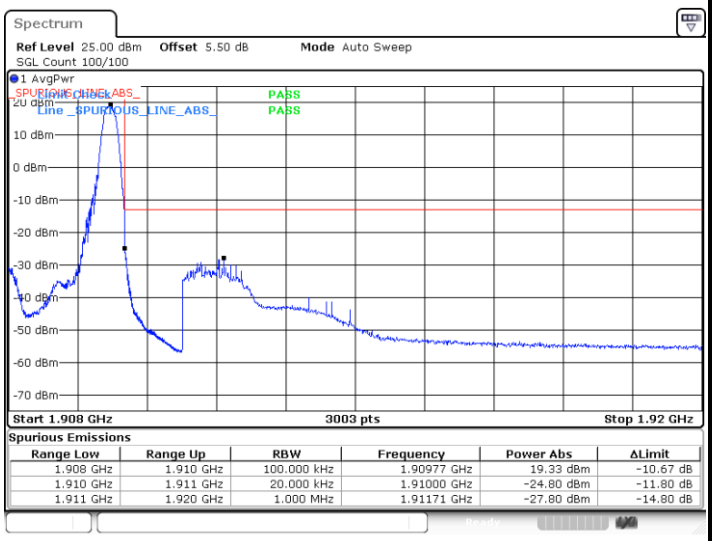


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84855 GHz	-26.79 dBm	-13.79 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-24.04 dBm	-11.04 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85024 GHz	19.69 dBm	-10.31 dB

Date: 26.AUG.2022 23:03:10

Highest Band Edge / 1 RB

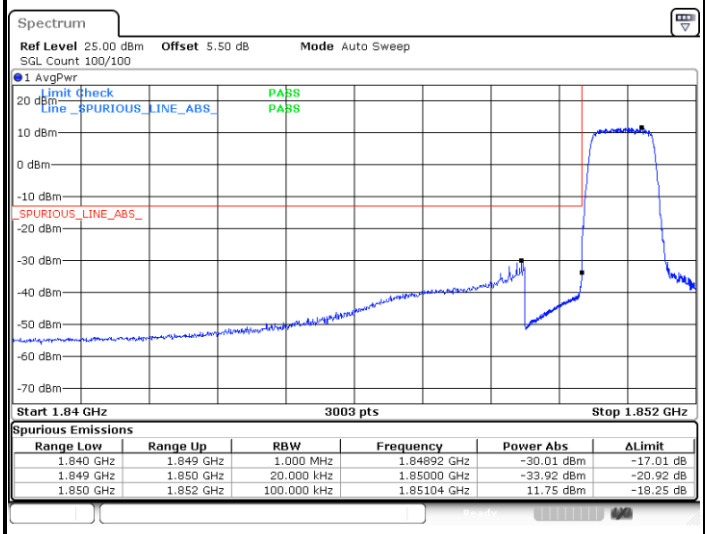


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90977 GHz	19.33 dBm	-10.67 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-24.80 dBm	-11.80 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91171 GHz	-27.80 dBm	-14.80 dB

Date: 26.AUG.2022 23:16:53

Lowest Band Edge / Full RB

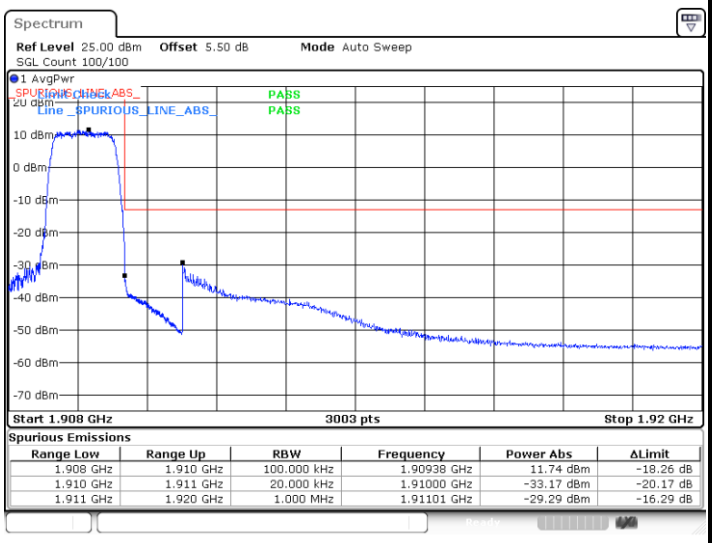


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84892 GHz	-30.01 dBm	-17.01 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-33.92 dBm	-20.92 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85104 GHz	11.75 dBm	-18.25 dB

Date: 26.AUG.2022 23:06:27

Highest Band Edge / Full RB



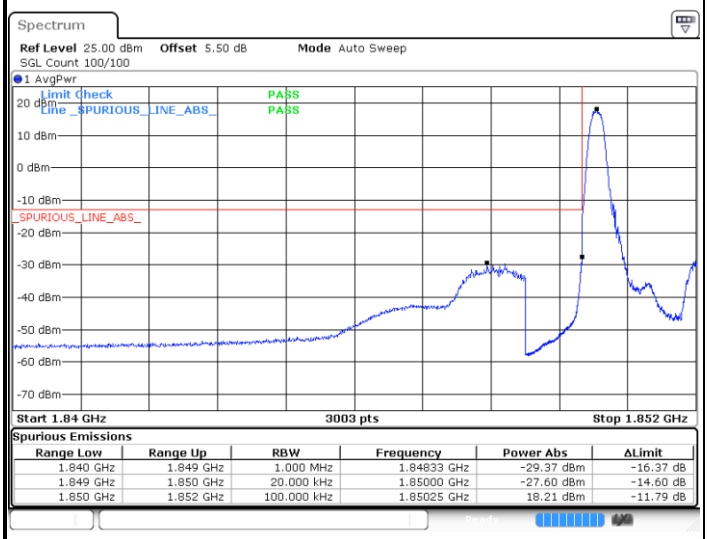
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90938 GHz	11.74 dBm	-18.26 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-33.17 dBm	-20.17 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91101 GHz	-29.29 dBm	-16.29 dB

Date: 26.AUG.2022 23:20:41

LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

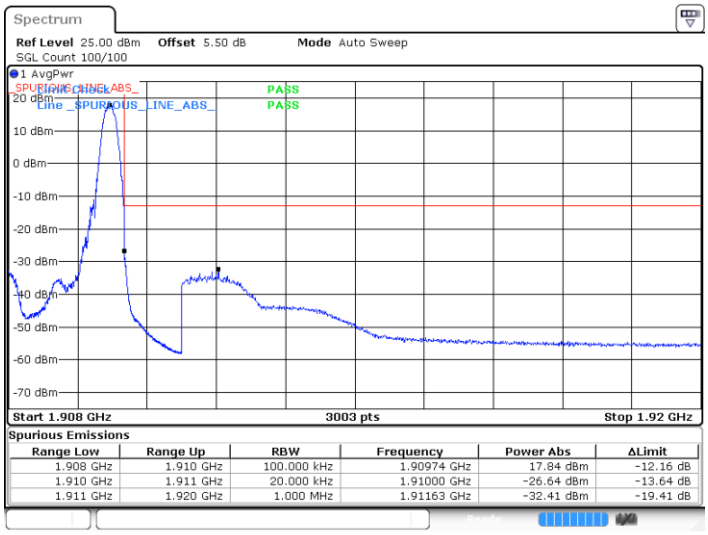


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84833 GHz	-29.37 dBm	-16.37 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-27.60 dBm	-14.60 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85025 GHz	18.21 dBm	-11.79 dB

Date: 26.SEP.2022 16:51:11

Highest Band Edge / 1 RB

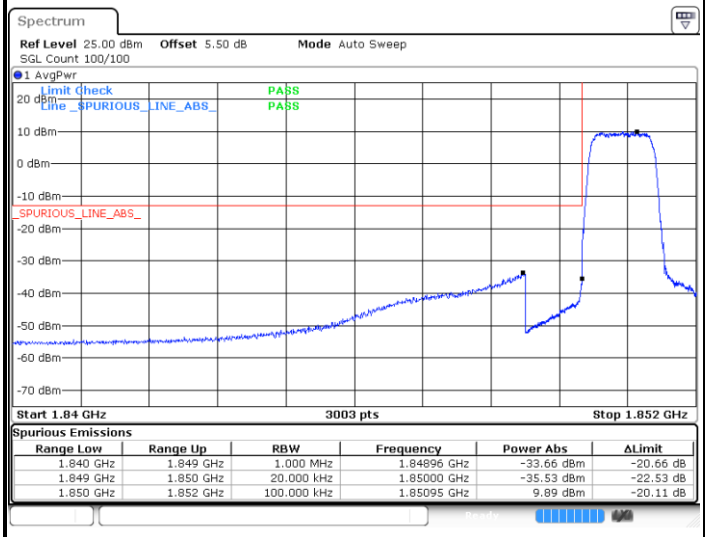


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90974 GHz	17.84 dBm	-12.16 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-26.64 dBm	-13.64 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91163 GHz	-32.41 dBm	-19.41 dB

Date: 26.SEP.2022 16:55:11

Lowest Band Edge / Full RB

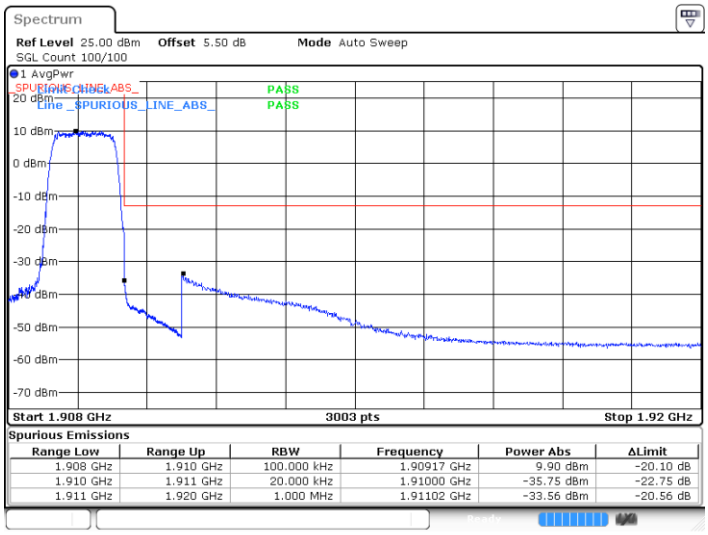


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84896 GHz	-33.66 dBm	-20.66 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-35.53 dBm	-22.53 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85095 GHz	9.89 dBm	-20.11 dB

Date: 26.SEP.2022 16:53:11

Highest Band Edge / Full RB



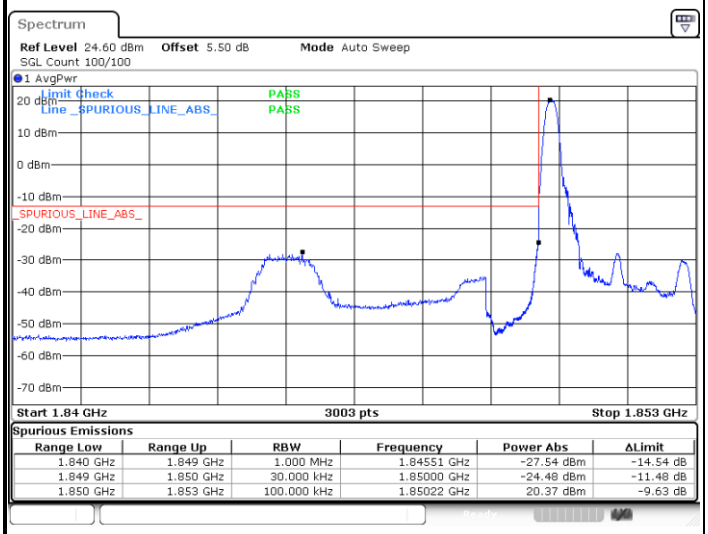
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90917 GHz	9.90 dBm	-20.10 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-35.75 dBm	-22.75 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91102 GHz	-33.56 dBm	-20.56 dB

Date: 26.SEP.2022 16:57:11

LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB

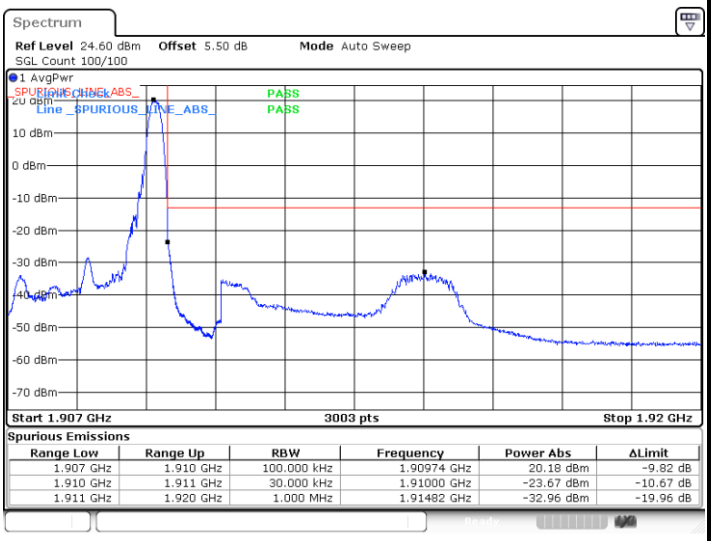


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84551 GHz	-27.54 dBm	-14.54 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-24.48 dBm	-11.48 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85022 GHz	20.37 dBm	-9.63 dB

Date: 26.AUG.2022 23:22:57

Highest Band Edge / 1 RB

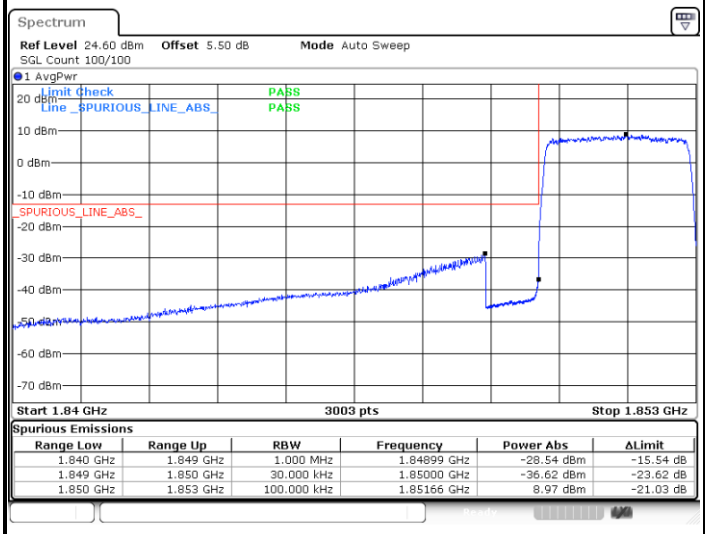


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90974 GHz	20.18 dBm	-9.82 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-23.67 dBm	-10.67 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91482 GHz	-32.96 dBm	-19.96 dB

Date: 26.AUG.2022 23:33:11

Lowest Band Edge / Full RB

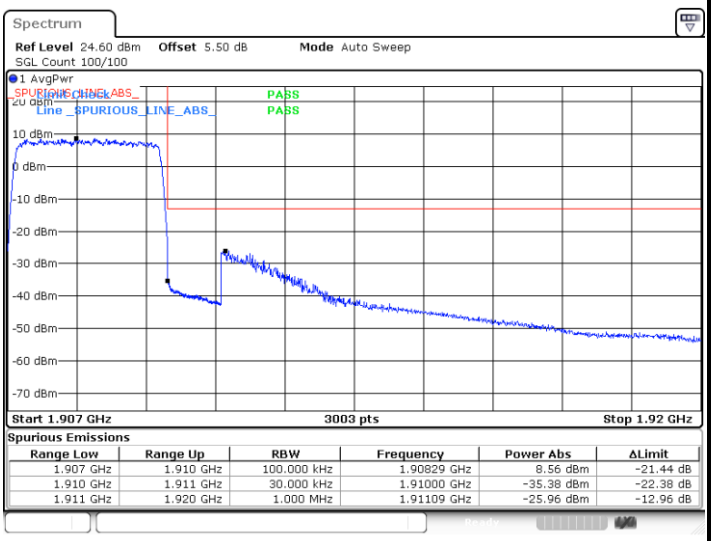


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-28.54 dBm	-15.54 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-36.62 dBm	-23.62 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85166 GHz	8.97 dBm	-21.03 dB

Date: 26.AUG.2022 23:26:55

Highest Band Edge / Full RB



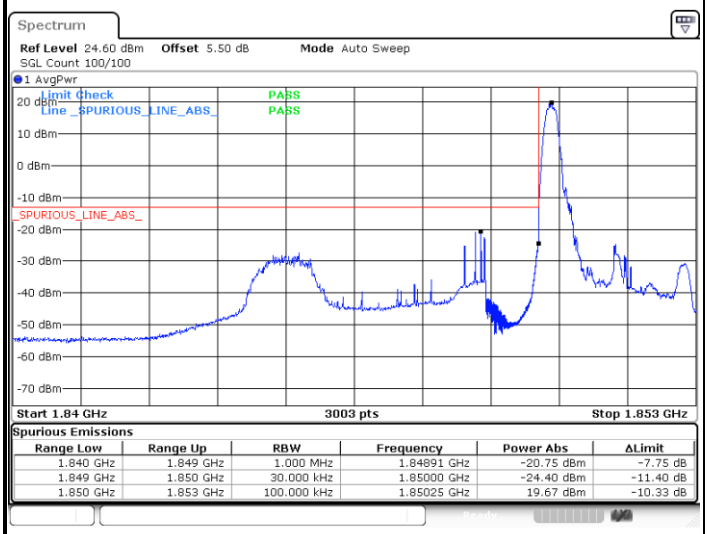
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90829 GHz	8.56 dBm	-21.44 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-35.38 dBm	-22.38 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-25.96 dBm	-12.96 dB

Date: 26.AUG.2022 23:35:36

LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

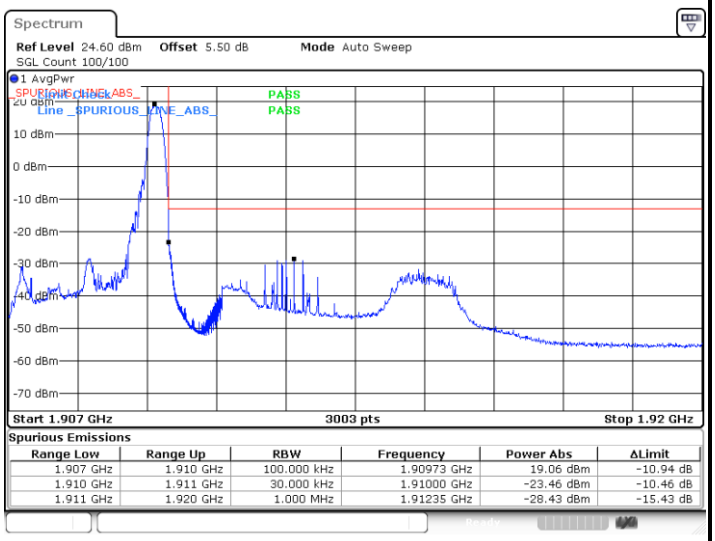


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84891 GHz	-20.75 dBm	-7.75 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-24.40 dBm	-11.40 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85025 GHz	19.67 dBm	-10.33 dB

Date: 26.AUG.2022 23:24:11

Highest Band Edge /1 RB

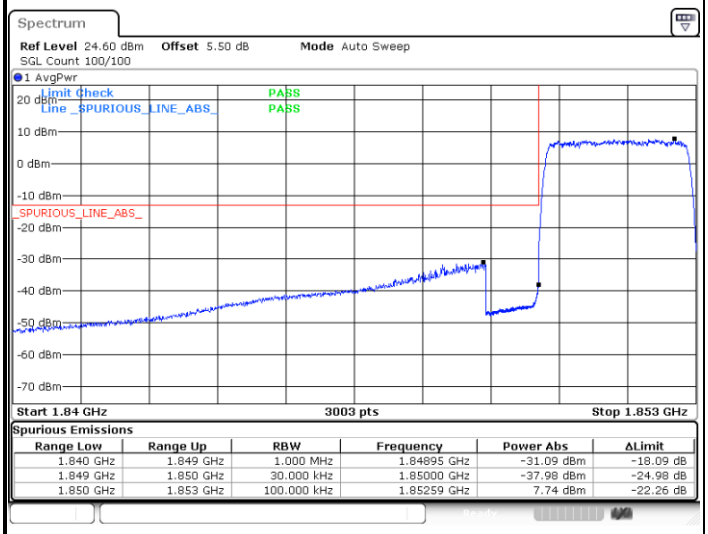


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90973 GHz	19.06 dBm	-10.94 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-23.46 dBm	-10.46 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91235 GHz	-28.43 dBm	-15.43 dB

Date: 26.AUG.2022 23:34:38

Lowest Band Edge / Full RB

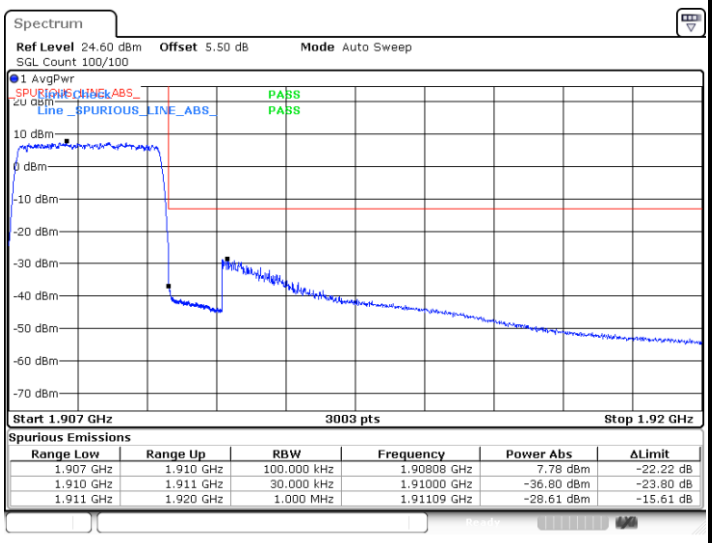


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84895 GHz	-31.09 dBm	-18.09 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-37.98 dBm	-24.98 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85259 GHz	7.74 dBm	-22.26 dB

Date: 26.AUG.2022 23:25:40

Highest Band Edge / Full RB



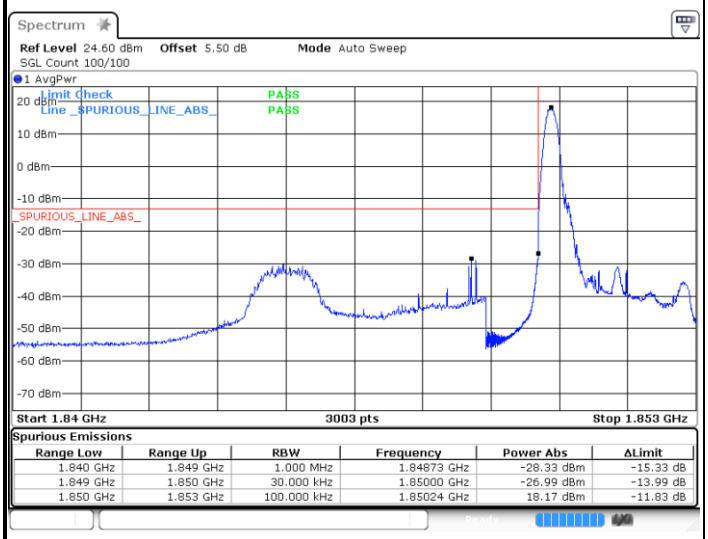
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90808 GHz	7.78 dBm	-22.22 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-36.80 dBm	-23.80 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-28.61 dBm	-15.61 dB

Date: 26.AUG.2022 23:36:52

LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

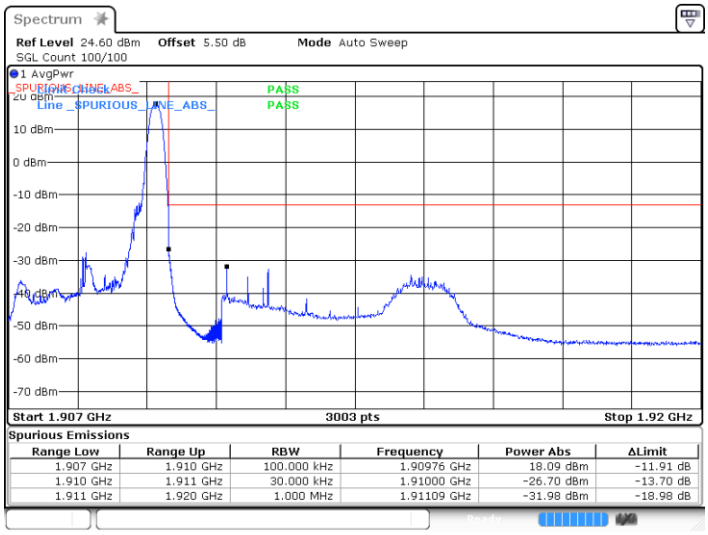


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84873 GHz	-28.33 dBm	-15.33 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-26.99 dBm	-13.99 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85024 GHz	18.17 dBm	-11.83 dB

Date: 26.SEP.2022 17:11:50

Highest Band Edge /1 RB

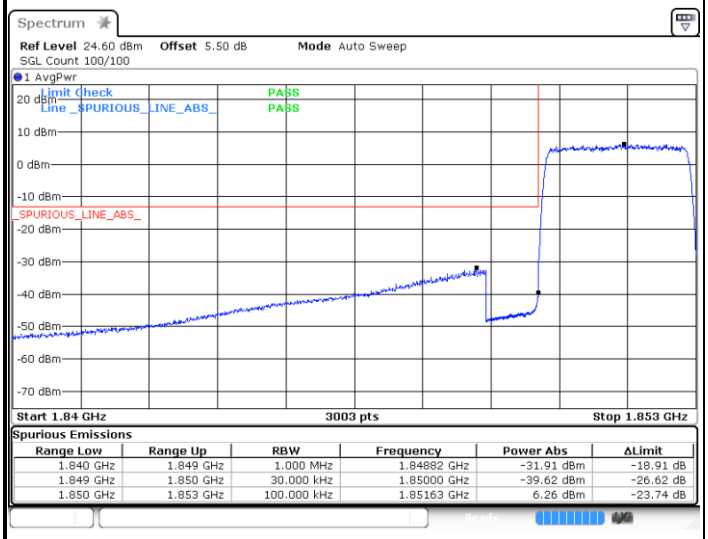


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90976 GHz	18.09 dBm	-11.91 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-26.70 dBm	-13.70 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-31.98 dBm	-18.98 dB

Date: 26.SEP.2022 17:13:42

Lowest Band Edge / Full RB

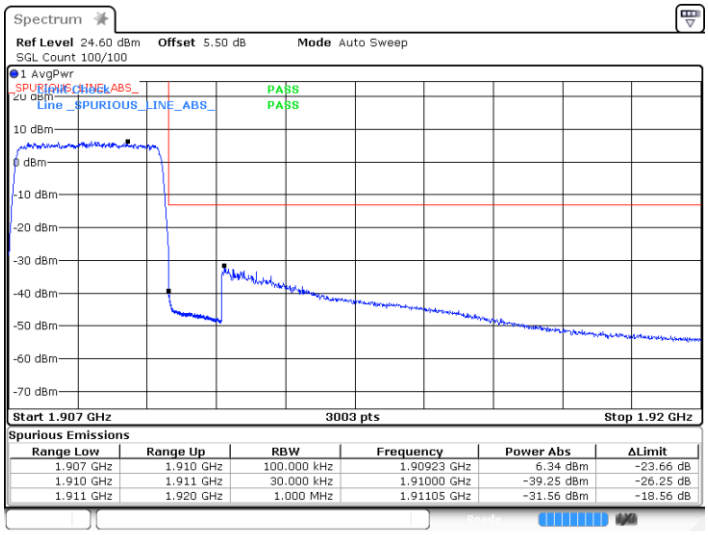


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84882 GHz	-31.91 dBm	-18.91 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-39.62 dBm	-26.62 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85163 GHz	6.26 dBm	-23.74 dB

Date: 26.SEP.2022 17:08:33

Highest Band Edge / Full RB



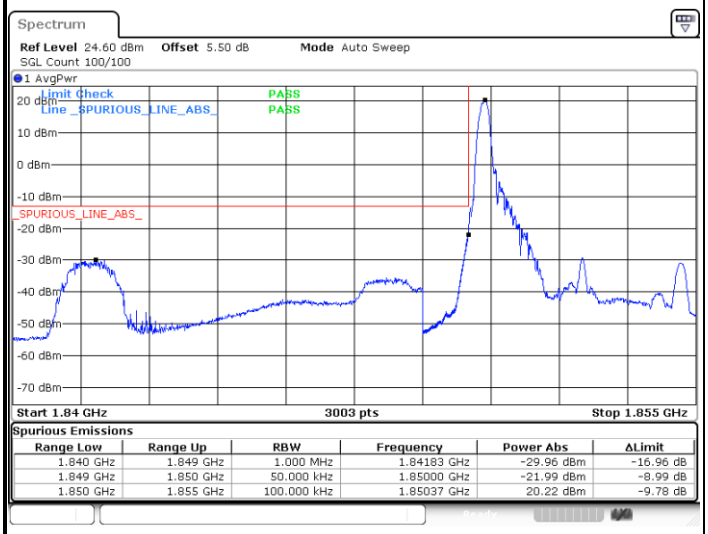
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90923 GHz	6.34 dBm	-23.66 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-39.25 dBm	-26.25 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91105 GHz	-31.56 dBm	-18.56 dB

Date: 26.SEP.2022 17:15:07

LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB

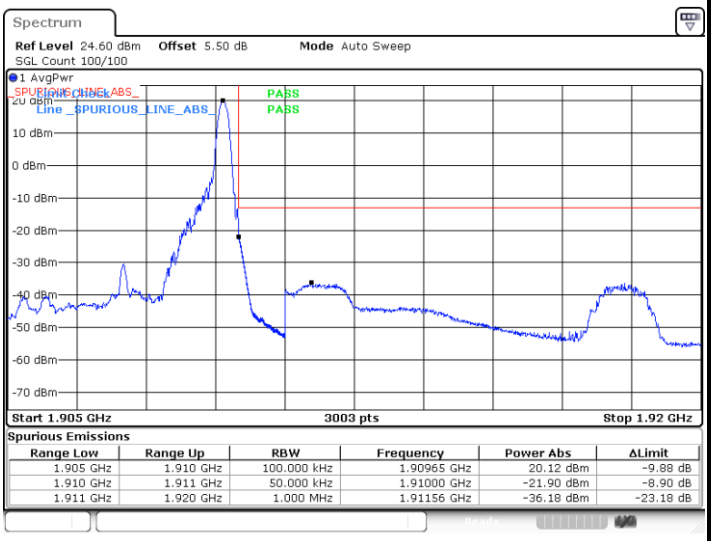


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84183 GHz	-29.96 dBm	-16.96 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-21.99 dBm	-8.99 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85037 GHz	20.22 dBm	-9.78 dB

Date: 26.AUG.2022 23:39:00

Highest Band Edge / 1 RB

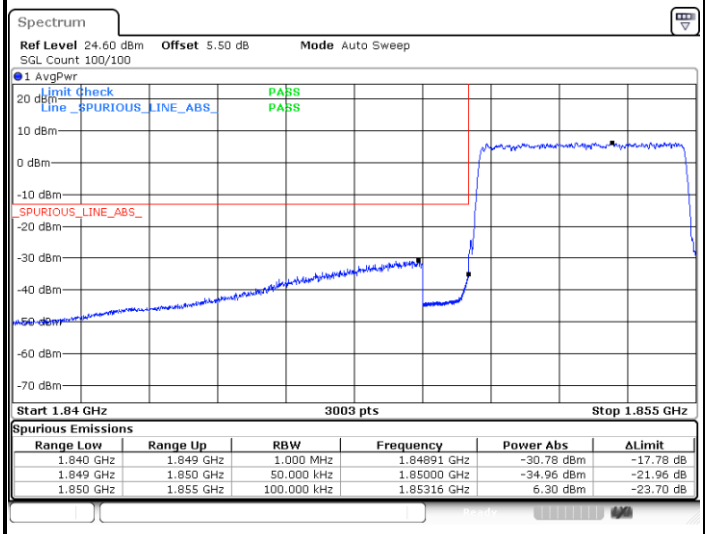


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90965 GHz	20.12 dBm	-9.88 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-21.90 dBm	-8.90 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91156 GHz	-36.18 dBm	-23.18 dB

Date: 26.AUG.2022 23:49:00

Lowest Band Edge / Full RB

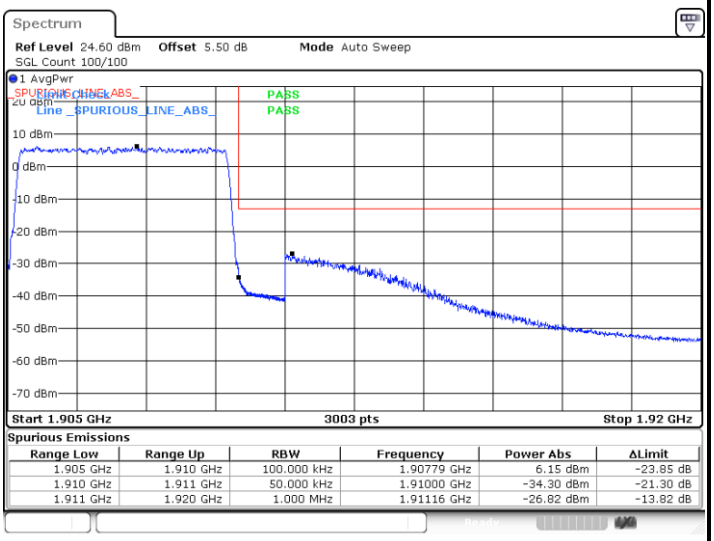


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84891 GHz	-30.78 dBm	-17.78 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-34.96 dBm	-21.96 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85316 GHz	6.30 dBm	-23.70 dB

Date: 26.AUG.2022 23:42:55

Highest Band Edge / Full RB



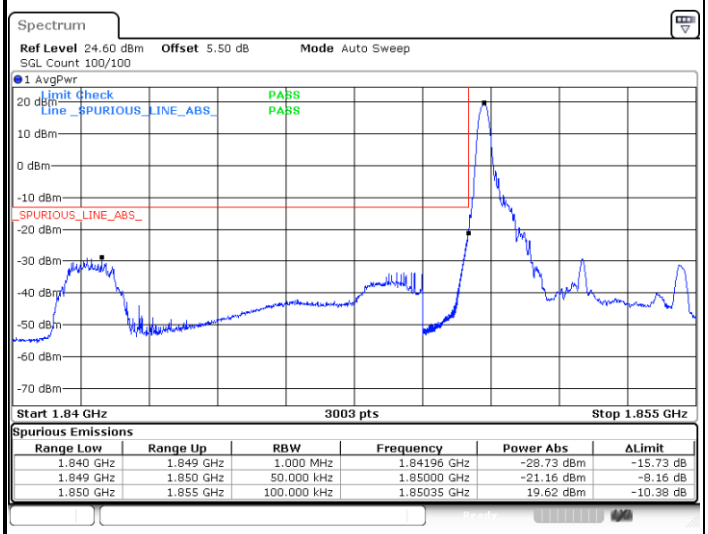
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90779 GHz	6.15 dBm	-23.85 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-34.30 dBm	-21.30 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91116 GHz	-26.82 dBm	-13.82 dB

Date: 26.AUG.2022 23:51:45

LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84196 GHz	-28.73 dBm	-15.73 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-21.16 dBm	-8.16 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85035 GHz	19.62 dBm	-10.38 dB

Date: 26.AUG.2022 23:40:26

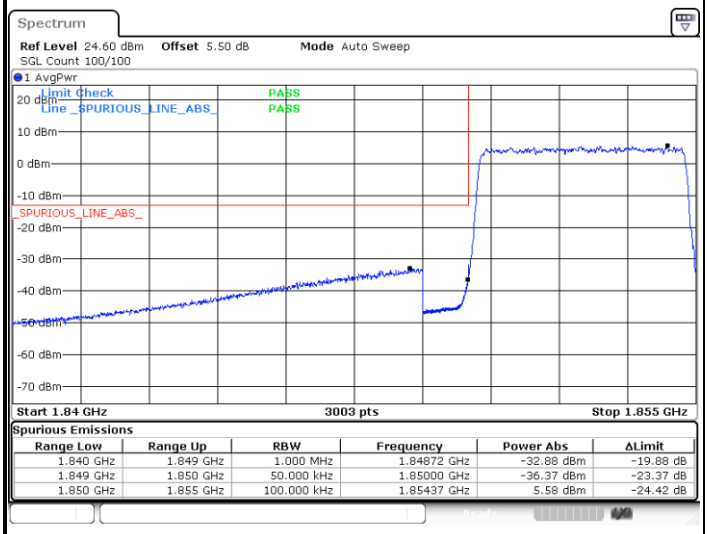
Highest Band Edge / 1 RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90968 GHz	18.87 dBm	-11.13 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-21.67 dBm	-8.67 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91108 GHz	-33.14 dBm	-20.14 dB

Date: 26.AUG.2022 23:49:41

Lowest Band Edge / Full RB

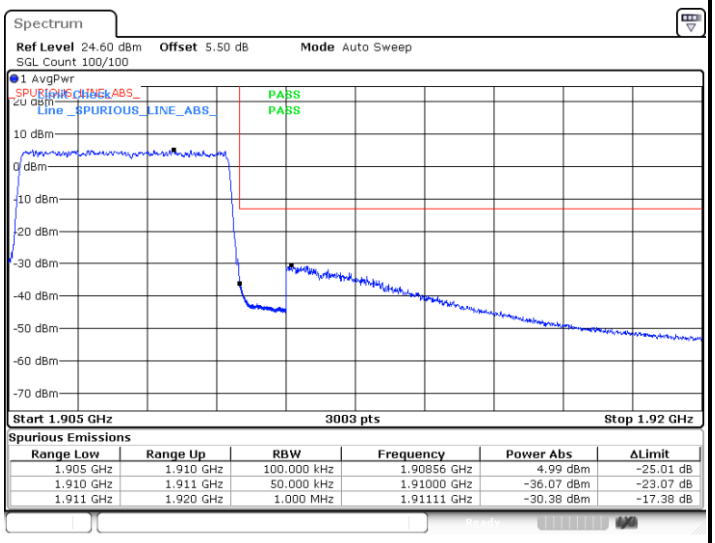


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84872 GHz	-32.88 dBm	-19.88 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-36.37 dBm	-23.37 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85437 GHz	5.58 dBm	-24.42 dB

Date: 26.AUG.2022 23:41:58

Highest Band Edge / Full RB



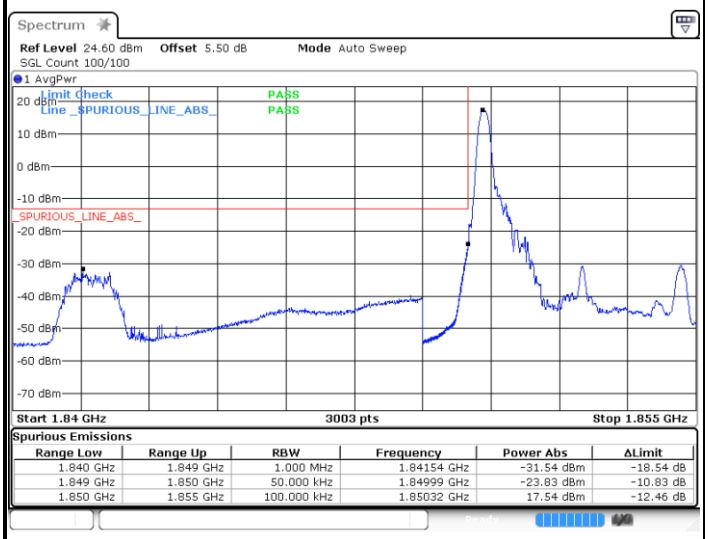
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90856 GHz	4.99 dBm	-25.01 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-36.07 dBm	-23.07 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91111 GHz	-30.38 dBm	-17.38 dB

Date: 26.AUG.2022 23:50:37

LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB

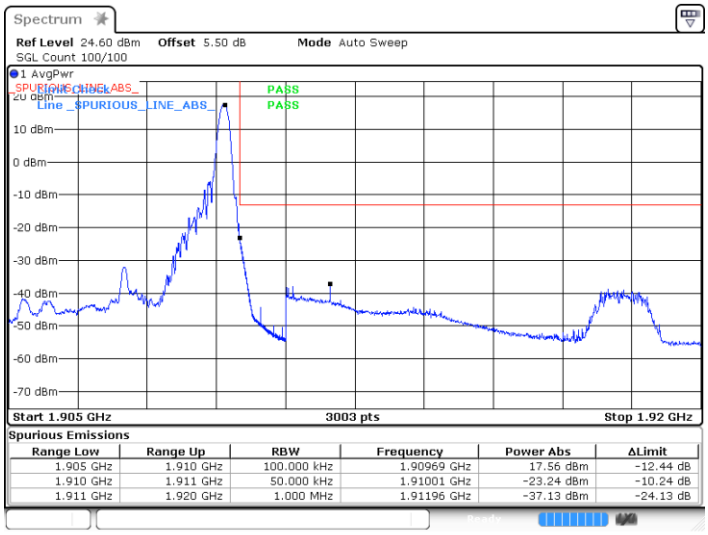


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84154 GHz	-31.54 dBm	-18.54 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.84999 GHz	-23.83 dBm	-10.83 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85032 GHz	17.54 dBm	-12.46 dB

Date: 26.SEP.2022 17:19:17

Highest Band Edge / 1 RB

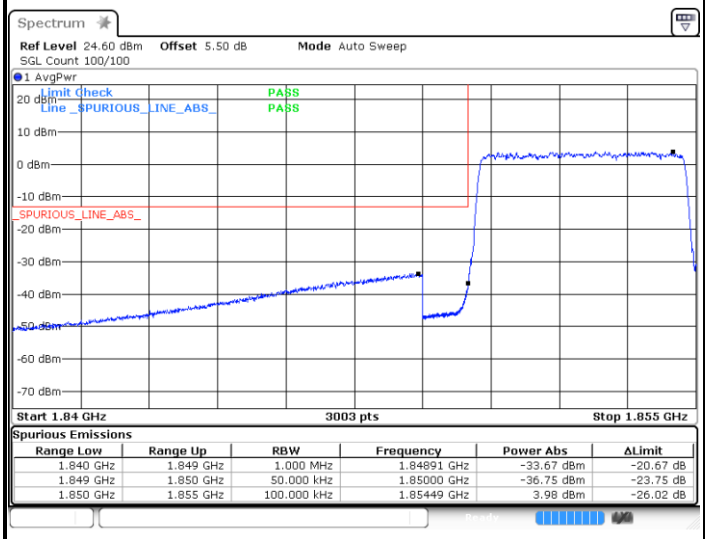


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90969 GHz	17.56 dBm	-12.44 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91001 GHz	-23.24 dBm	-10.24 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91196 GHz	-37.13 dBm	-24.13 dB

Date: 26.SEP.2022 17:20:01

Lowest Band Edge / Full RB

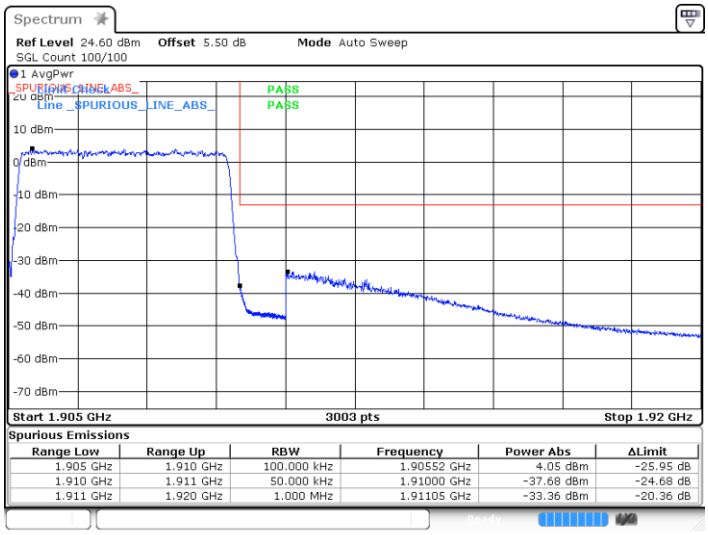


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84891 GHz	-33.67 dBm	-20.67 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-36.75 dBm	-23.75 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85449 GHz	3.98 dBm	-26.02 dB

Date: 26.SEP.2022 17:17:40

Highest Band Edge / Full RB



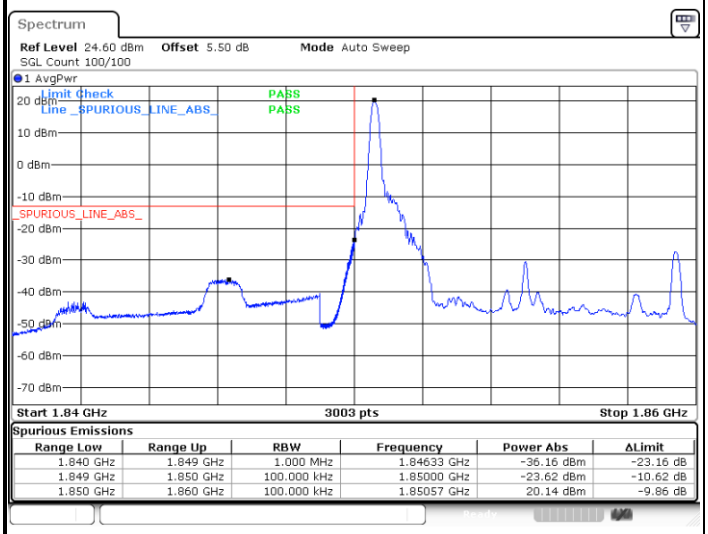
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90552 GHz	4.05 dBm	-25.95 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-37.68 dBm	-24.68 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91105 GHz	-33.36 dBm	-20.36 dB

Date: 26.SEP.2022 17:20:53

LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB

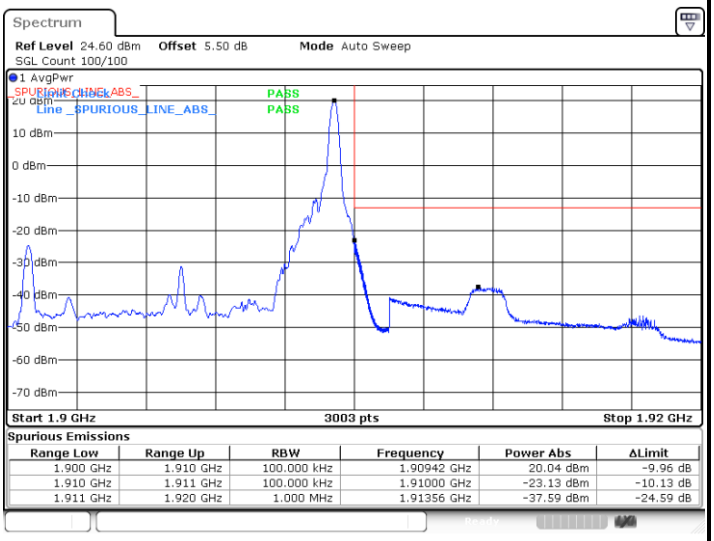


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84633 GHz	-36.16 dBm	-23.16 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.85000 GHz	-23.62 dBm	-10.62 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85057 GHz	20.14 dBm	-9.86 dB

Date: 26.AUG.2022 23:53:15

Highest Band Edge / 1 RB

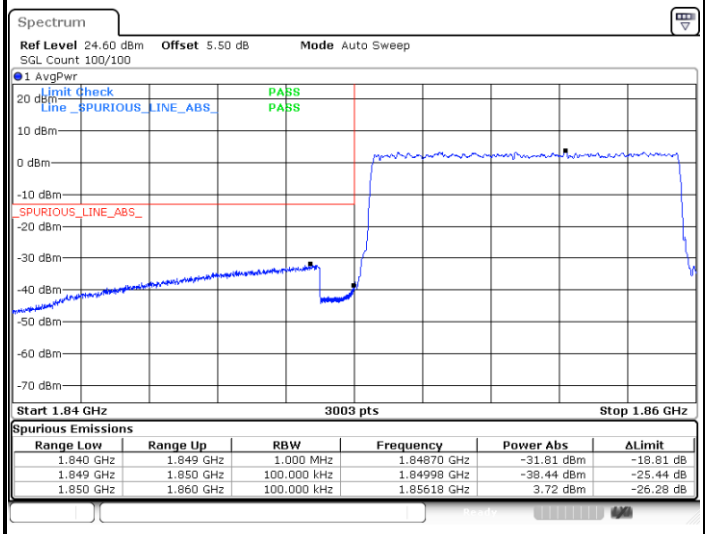


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90942 GHz	20.04 dBm	-9.96 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91000 GHz	-23.13 dBm	-10.13 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91356 GHz	-37.59 dBm	-24.59 dB

Date: 27.AUG.2022 00:01:09

Lowest Band Edge / Full RB

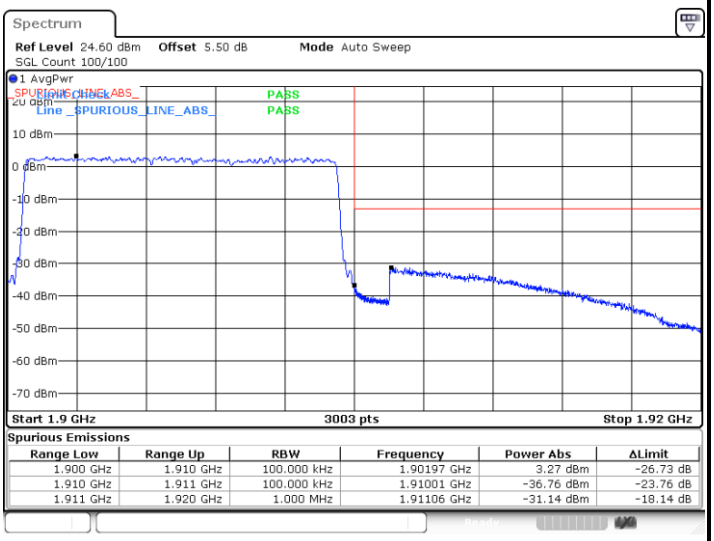


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84870 GHz	-31.81 dBm	-18.81 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.84998 GHz	-38.44 dBm	-25.44 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85618 GHz	3.72 dBm	-26.28 dB

Date: 26.AUG.2022 23:55:32

Highest Band Edge / Full RB



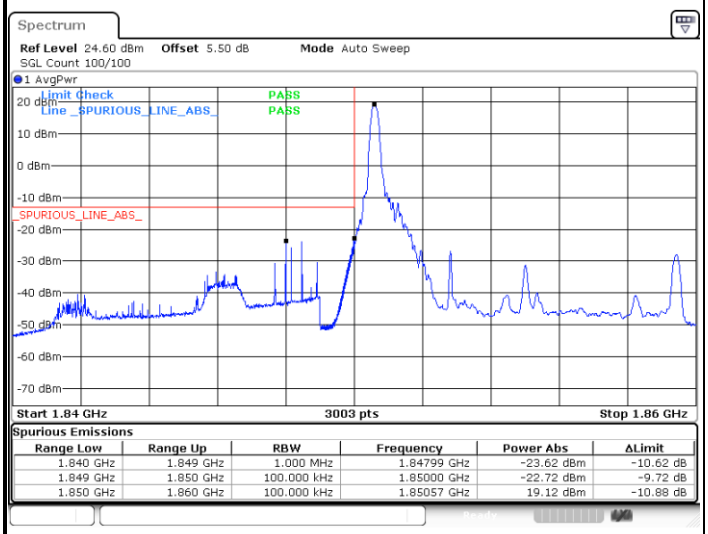
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90197 GHz	3.27 dBm	-26.73 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91001 GHz	-36.76 dBm	-23.76 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91106 GHz	-31.14 dBm	-18.14 dB

Date: 27.AUG.2022 00:03:17

LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

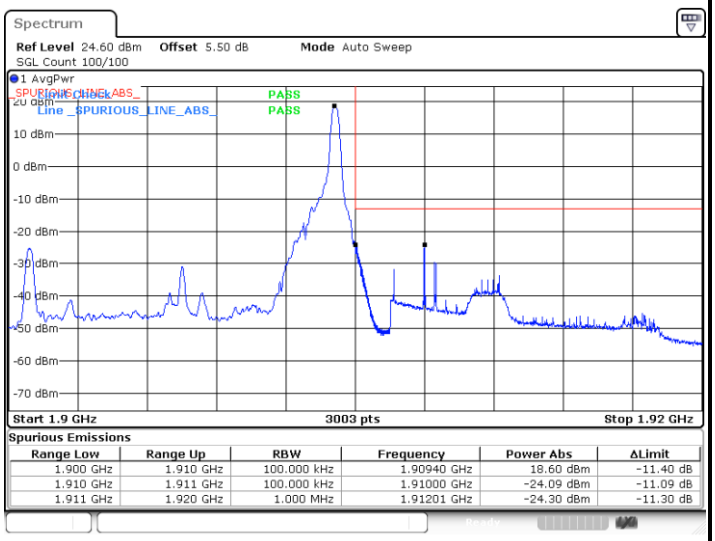


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84799 GHz	-23.62 dBm	-10.62 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.85000 GHz	-22.72 dBm	-9.72 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85057 GHz	19.12 dBm	-10.88 dB

Date: 26.AUG.2022 23:54:02

Highest Band Edge / 1 RB

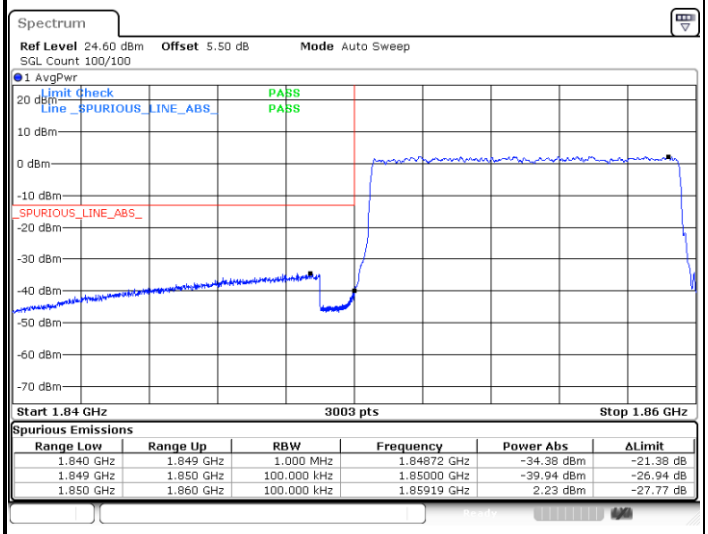


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90940 GHz	18.60 dBm	-11.40 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91000 GHz	-24.09 dBm	-11.09 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91201 GHz	-24.30 dBm	-11.30 dB

Date: 27.AUG.2022 00:02:16

Lowest Band Edge / Full RB

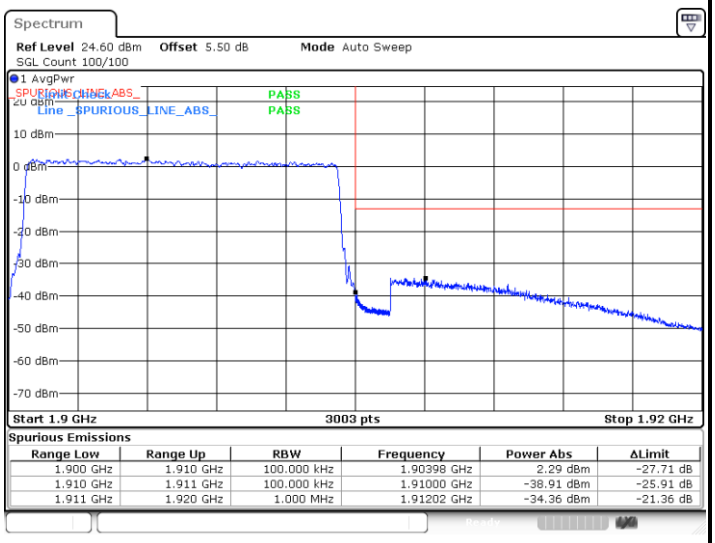


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84872 GHz	-34.38 dBm	-21.38 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.85000 GHz	-39.94 dBm	-26.94 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85919 GHz	2.23 dBm	-27.77 dB

Date: 26.AUG.2022 23:54:49

Highest Band Edge / Full RB



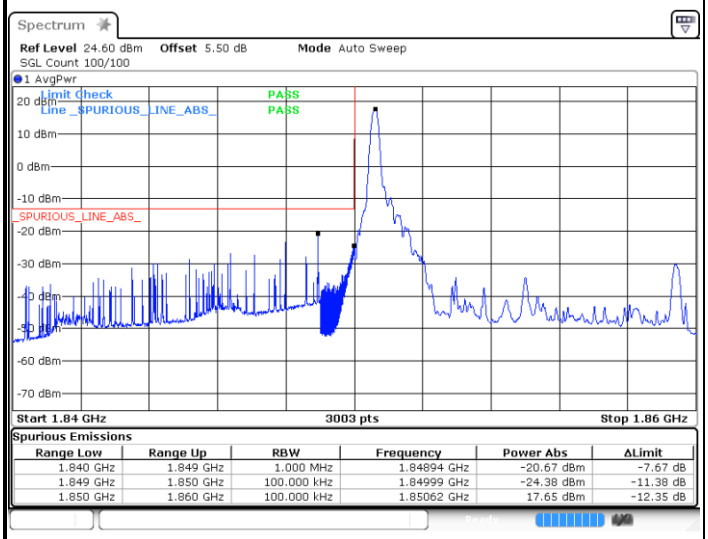
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90398 GHz	2.29 dBm	-27.71 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91000 GHz	-38.91 dBm	-25.91 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91202 GHz	-34.36 dBm	-21.36 dB

Date: 27.AUG.2022 00:04:10

LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

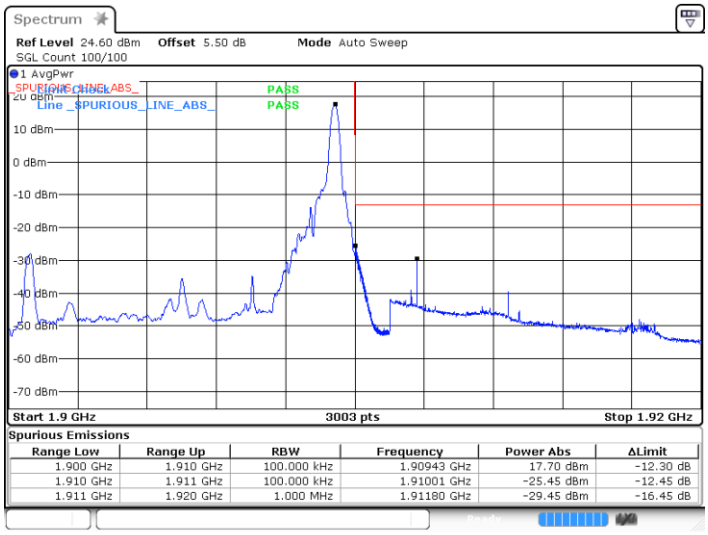


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84894 GHz	-20.67 dBm	-7.67 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.84999 GHz	-24.38 dBm	-11.38 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85062 GHz	17.65 dBm	-12.35 dB

Date: 26.SEP.2022 17:22:57

Highest Band Edge / 1 RB

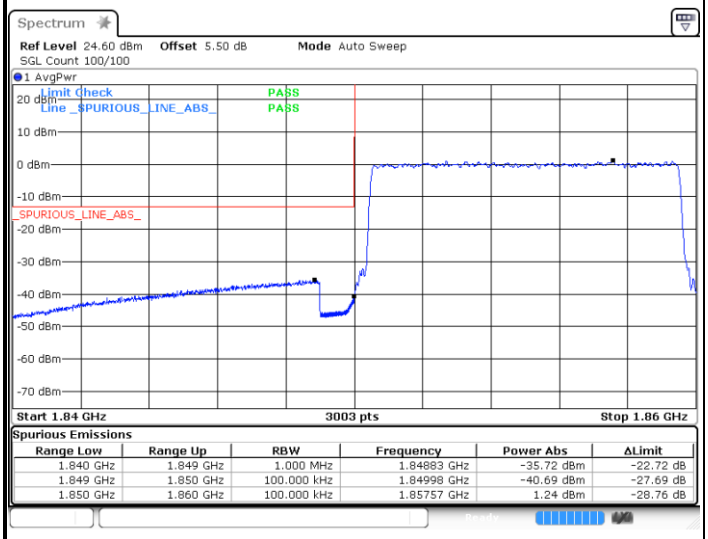


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90943 GHz	17.70 dBm	-12.30 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91001 GHz	-25.45 dBm	-12.45 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91180 GHz	-29.45 dBm	-16.45 dB

Date: 26.SEP.2022 17:24:58

Lowest Band Edge / Full RB

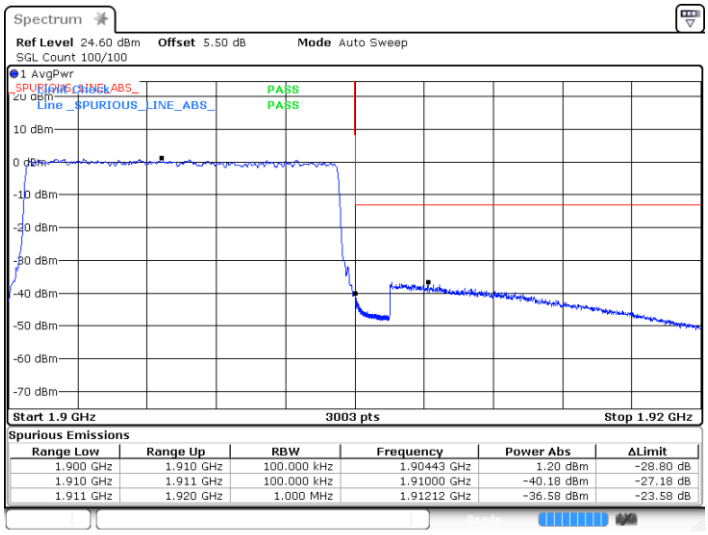


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84883 GHz	-35.72 dBm	-22.72 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.84998 GHz	-40.69 dBm	-27.69 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85757 GHz	1.24 dBm	-28.76 dB

Date: 26.SEP.2022 17:22:12

Highest Band Edge / Full RB



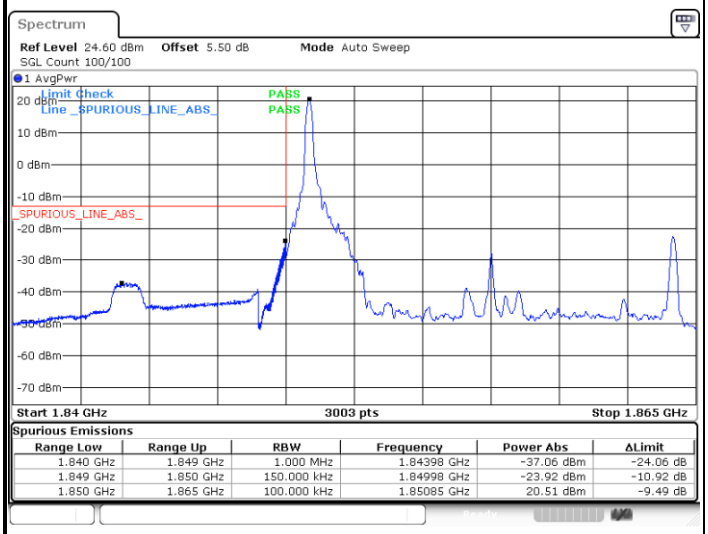
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90443 GHz	1.20 dBm	-28.80 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91000 GHz	-40.18 dBm	-27.18 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91212 GHz	-36.58 dBm	-23.58 dB

Date: 26.SEP.2022 17:25:39

LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB

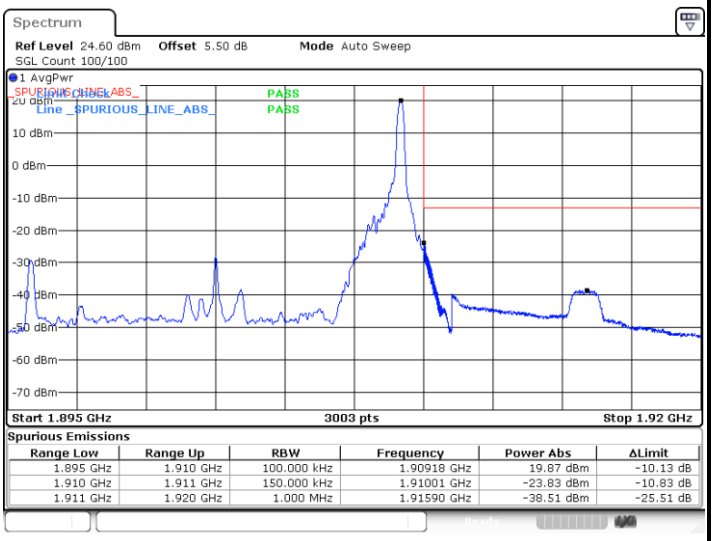


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84398 GHz	-37.06 dBm	-24.06 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84998 GHz	-23.92 dBm	-10.92 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85085 GHz	20.51 dBm	-9.49 dB

Date: 27.AUG.2022 00:52:23

Highest Band Edge / 1 RB

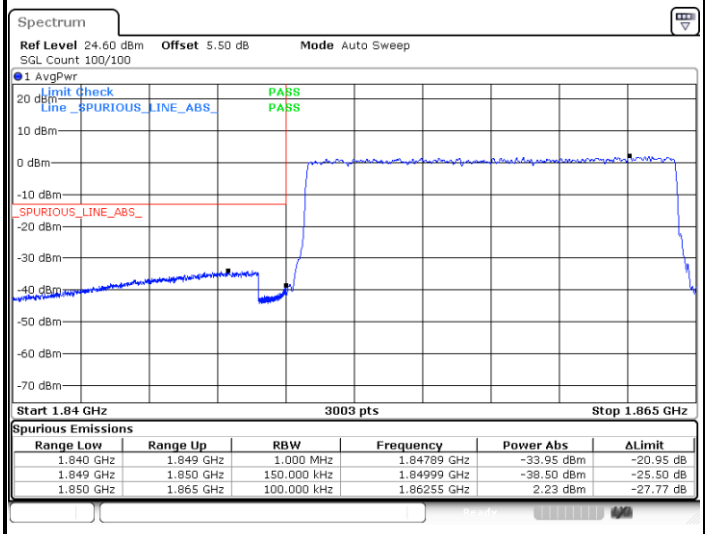


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90918 GHz	19.87 dBm	-10.13 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91001 GHz	-23.83 dBm	-10.83 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91590 GHz	-38.51 dBm	-25.51 dB

Date: 27.AUG.2022 01:00:43

Lowest Band Edge / Full RB

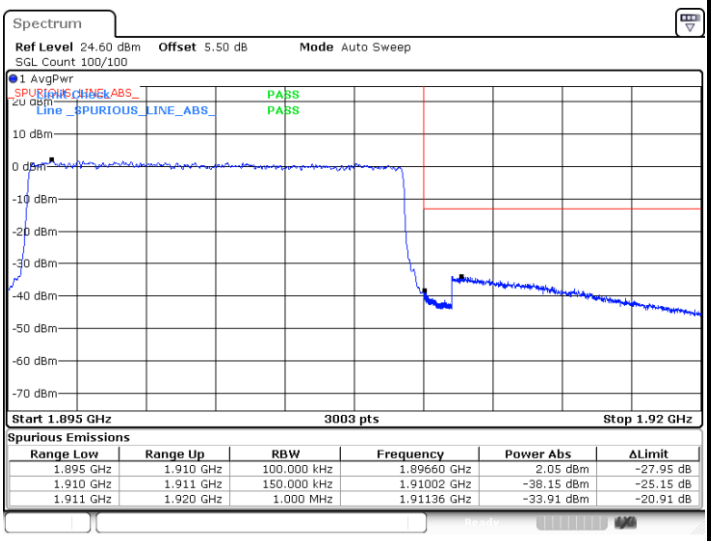


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84789 GHz	-33.95 dBm	-20.95 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84999 GHz	-38.50 dBm	-25.50 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.86255 GHz	2.23 dBm	-27.77 dB

Date: 27.AUG.2022 00:54:50

Highest Band Edge / Full RB



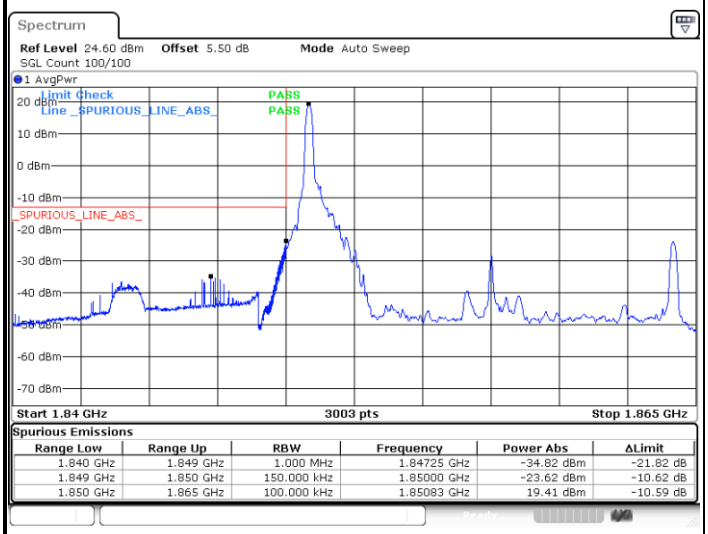
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.89660 GHz	2.05 dBm	-27.95 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91002 GHz	-38.15 dBm	-25.15 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91136 GHz	-33.91 dBm	-20.91 dB

Date: 27.AUG.2022 01:02:56

LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

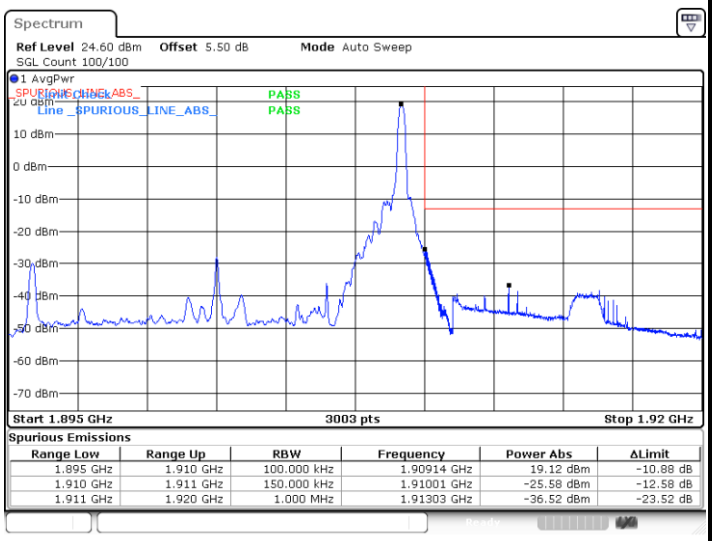


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84725 GHz	-34.82 dBm	-21.82 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.85000 GHz	-23.62 dBm	-10.62 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85083 GHz	19.41 dBm	-10.59 dB

Date: 27.AUG.2022 00:53:00

Highest Band Edge / 1 RB

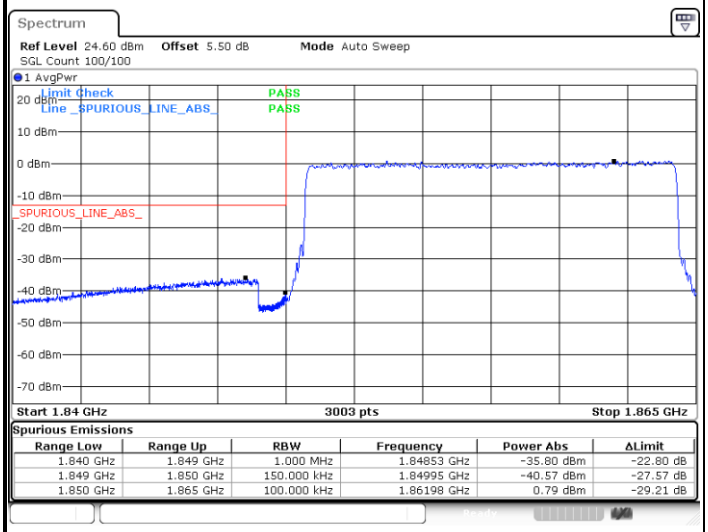


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90914 GHz	19.12 dBm	-10.88 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91001 GHz	-25.58 dBm	-12.58 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91303 GHz	-36.52 dBm	-23.52 dB

Date: 27.AUG.2022 01:01:47

Lowest Band Edge / Full RB

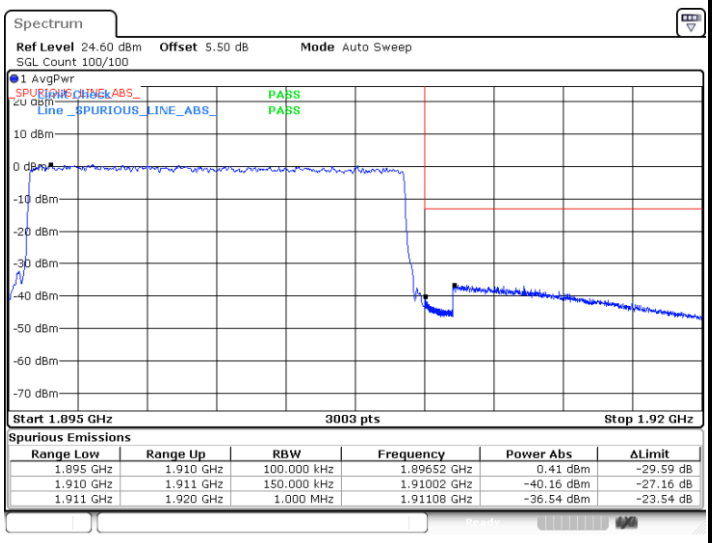


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84853 GHz	-35.80 dBm	-22.80 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84995 GHz	-40.57 dBm	-27.57 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.86198 GHz	0.79 dBm	-29.21 dB

Date: 27.AUG.2022 00:54:05

Highest Band Edge / Full RB



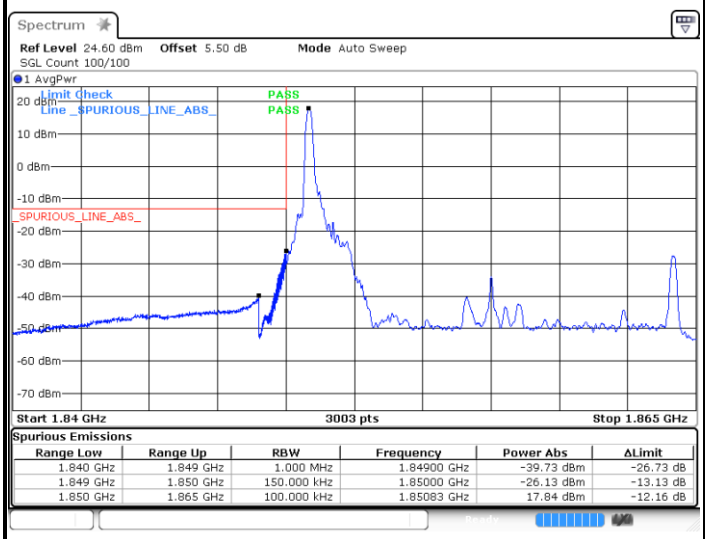
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.89652 GHz	0.41 dBm	-29.59 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91002 GHz	-40.16 dBm	-27.16 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91108 GHz	-36.54 dBm	-23.54 dB

Date: 27.AUG.2022 01:03:32

LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

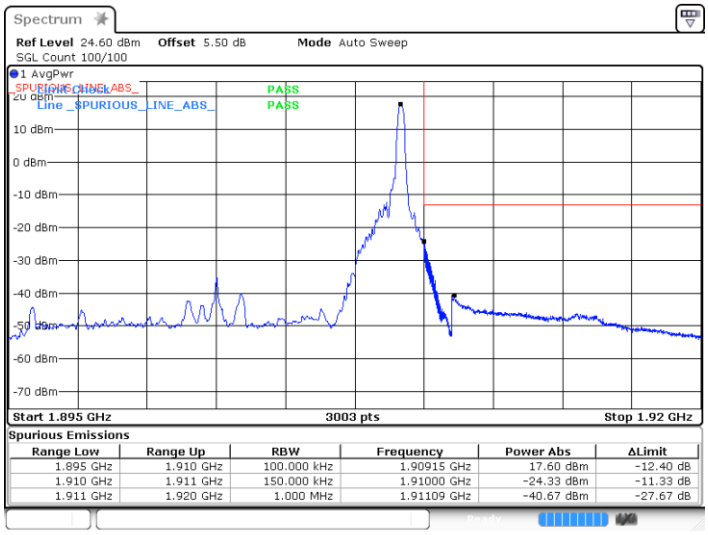


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84900 GHz	-39.73 dBm	-26.73 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.85000 GHz	-26.13 dBm	-13.13 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85083 GHz	17.84 dBm	-12.16 dB

Date: 26.SEP.2022 17:28:33

Highest Band Edge / 1 RB

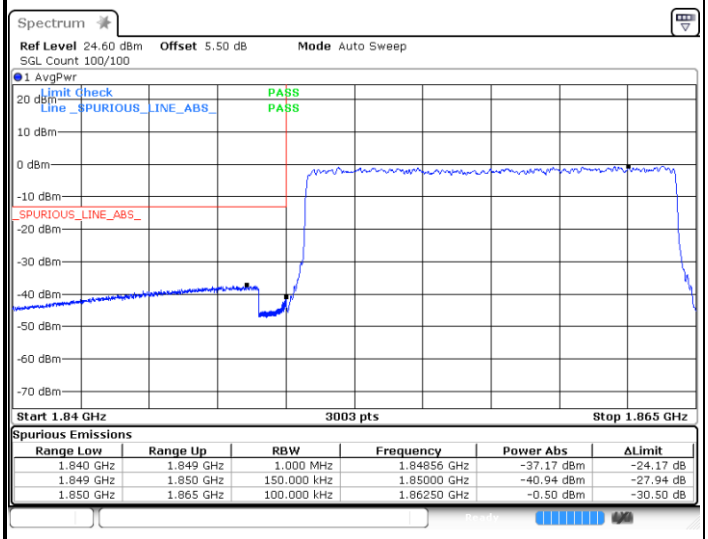


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90915 GHz	17.60 dBm	-12.40 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91000 GHz	-24.33 dBm	-11.33 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-40.67 dBm	-27.67 dB

Date: 26.SEP.2022 17:29:46

Lowest Band Edge / Full RB

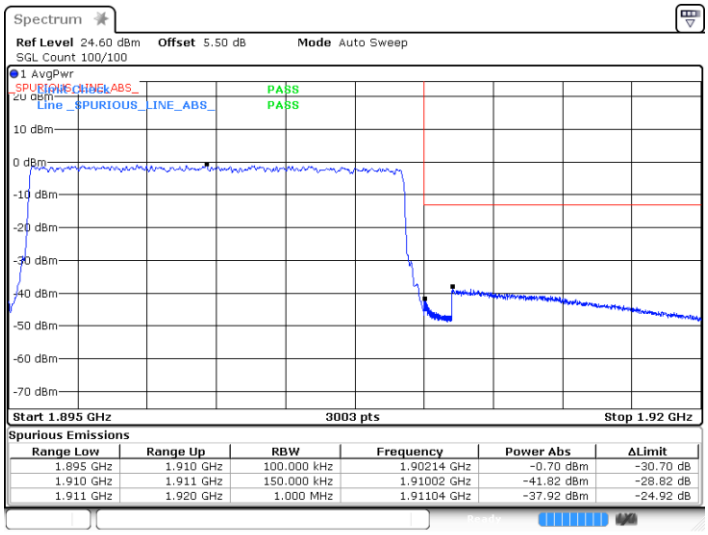


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84856 GHz	-37.17 dBm	-24.17 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.85000 GHz	-40.94 dBm	-27.94 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.86250 GHz	-0.50 dBm	-30.50 dB

Date: 26.SEP.2022 17:26:49

Highest Band Edge / Full RB



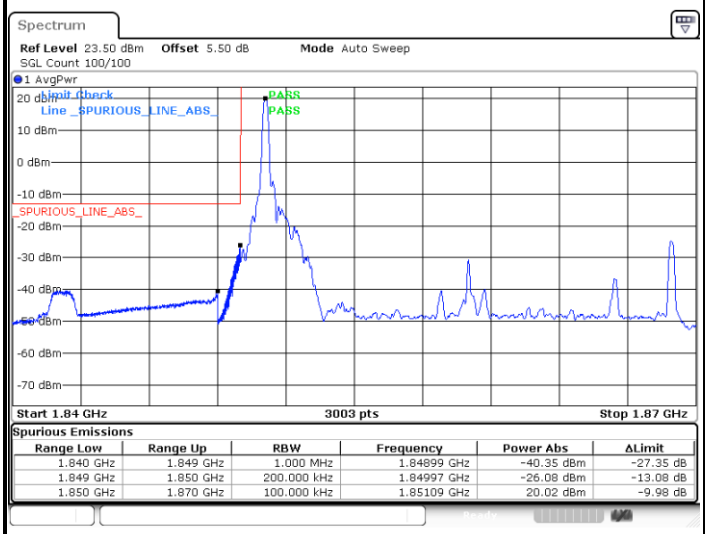
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90214 GHz	-0.70 dBm	-30.70 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91002 GHz	-41.82 dBm	-28.82 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91104 GHz	-37.92 dBm	-24.92 dB

Date: 26.SEP.2022 17:30:23

LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB

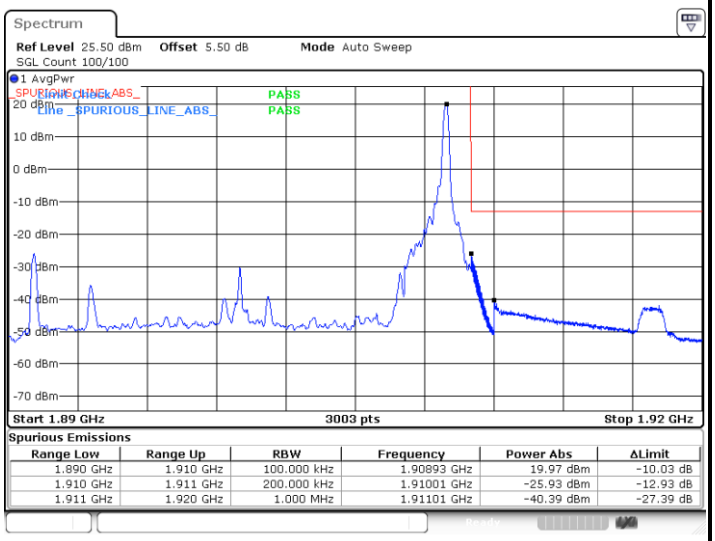


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-40.35 dBm	-27.35 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84997 GHz	-26.08 dBm	-13.08 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85109 GHz	20.02 dBm	-9.98 dB

Date: 27.AUG.2022 01:04:44

Highest Band Edge / 1 RB

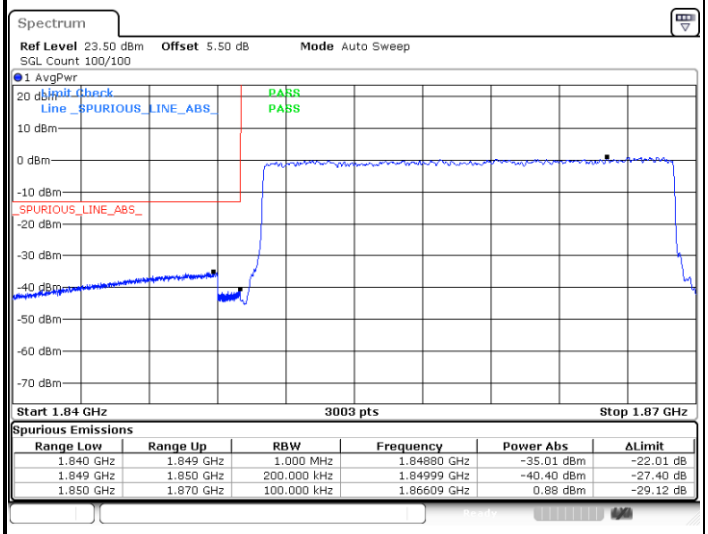


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90893 GHz	19.97 dBm	-10.03 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91001 GHz	-25.93 dBm	-12.93 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91101 GHz	-40.39 dBm	-27.39 dB

Date: 27.AUG.2022 01:26:23

Lowest Band Edge / Full RB

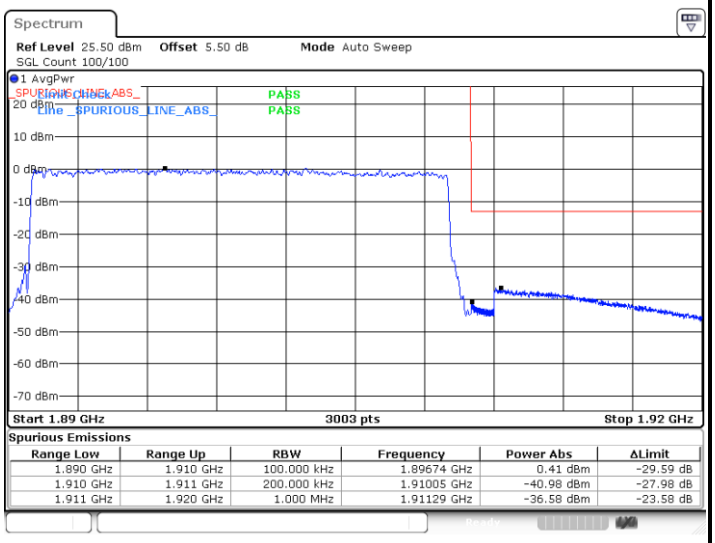


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84880 GHz	-35.01 dBm	-22.01 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84999 GHz	-40.40 dBm	-27.40 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86609 GHz	0.88 dBm	-29.12 dB

Date: 27.AUG.2022 01:09:18

Highest Band Edge / Full RB



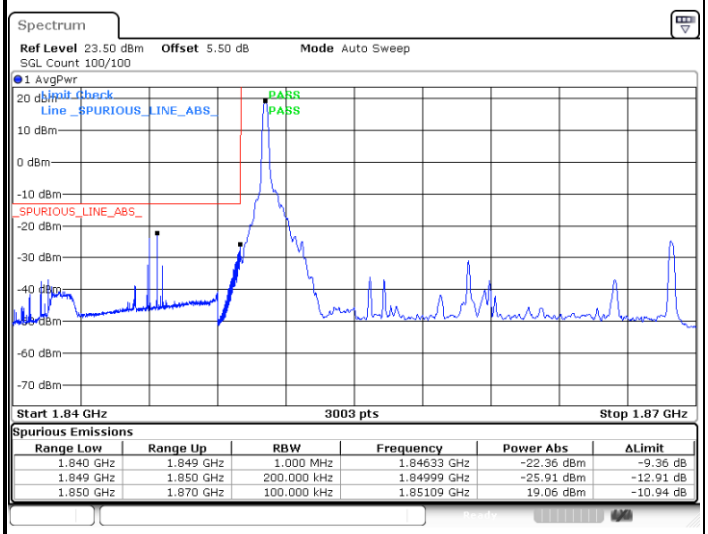
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.89674 GHz	0.41 dBm	-29.59 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91005 GHz	-40.98 dBm	-27.98 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91129 GHz	-36.58 dBm	-23.58 dB

Date: 27.AUG.2022 01:29:49

LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

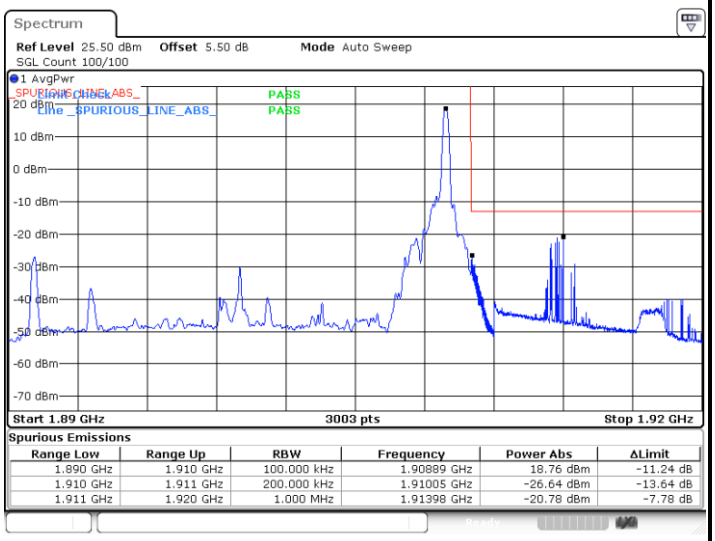


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84633 GHz	-22.36 dBm	-9.36 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84999 GHz	-25.91 dBm	-12.91 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85109 GHz	19.06 dBm	-10.94 dB

Date: 27.AUG.2022 01:06:31

Highest Band Edge / 1 RB

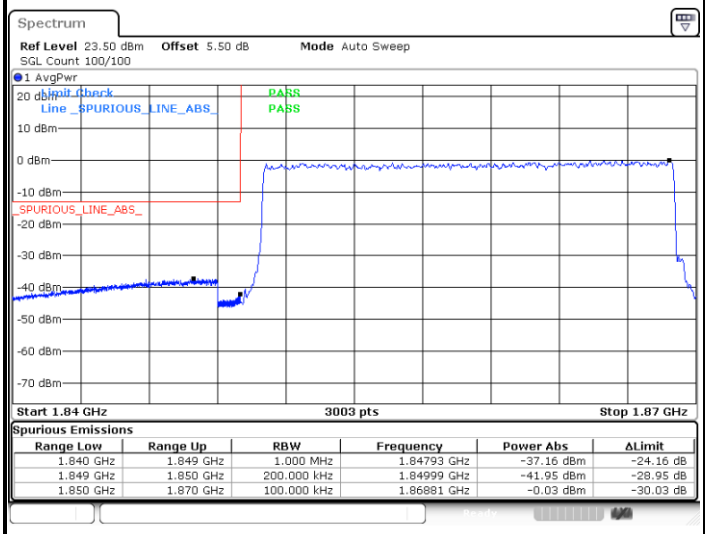


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90889 GHz	18.76 dBm	-11.24 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91005 GHz	-26.64 dBm	-13.64 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91398 GHz	-20.78 dBm	-7.78 dB

Date: 27.AUG.2022 01:27:20

Lowest Band Edge / Full RB

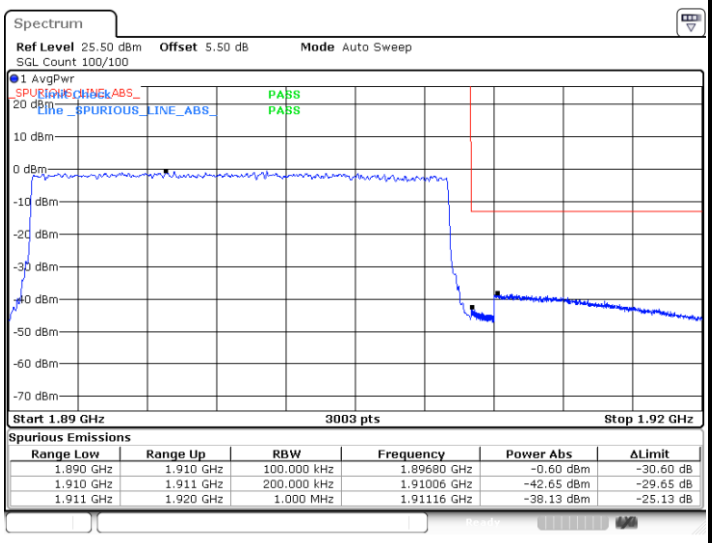


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84793 GHz	-37.16 dBm	-24.16 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84999 GHz	-41.95 dBm	-28.95 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86881 GHz	-0.03 dBm	-30.03 dB

Date: 27.AUG.2022 01:07:55

Highest Band Edge / Full RB



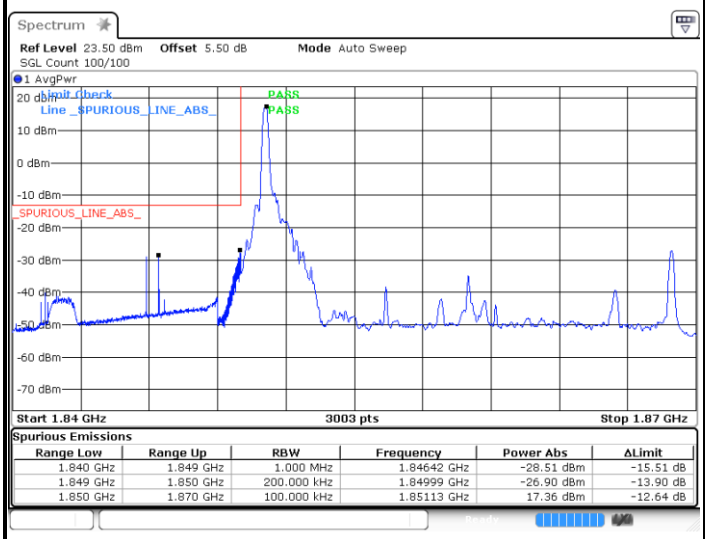
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.89680 GHz	-0.60 dBm	-30.60 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91006 GHz	-42.65 dBm	-29.65 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91116 GHz	-38.13 dBm	-25.13 dB

Date: 27.AUG.2022 01:29:12

LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

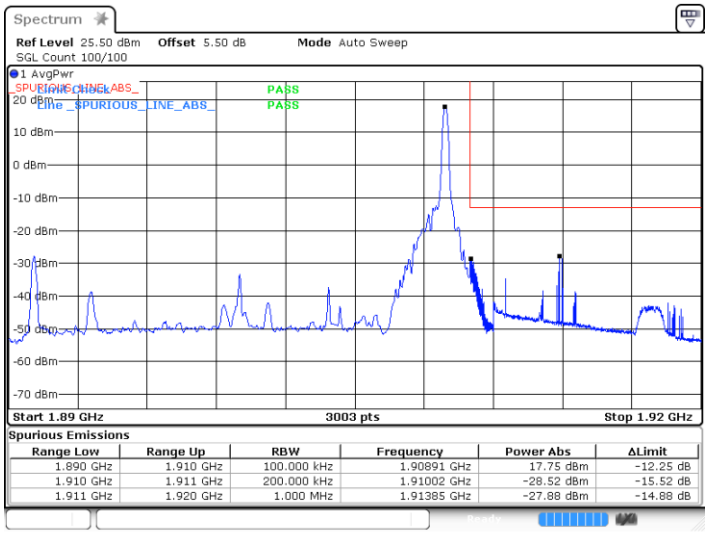


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84642 GHz	-28.51 dBm	-15.51 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84999 GHz	-26.90 dBm	-13.90 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85113 GHz	17.36 dBm	-12.64 dB

Date: 26.SEP.2022 18:03:01

Highest Band Edge / 1 RB

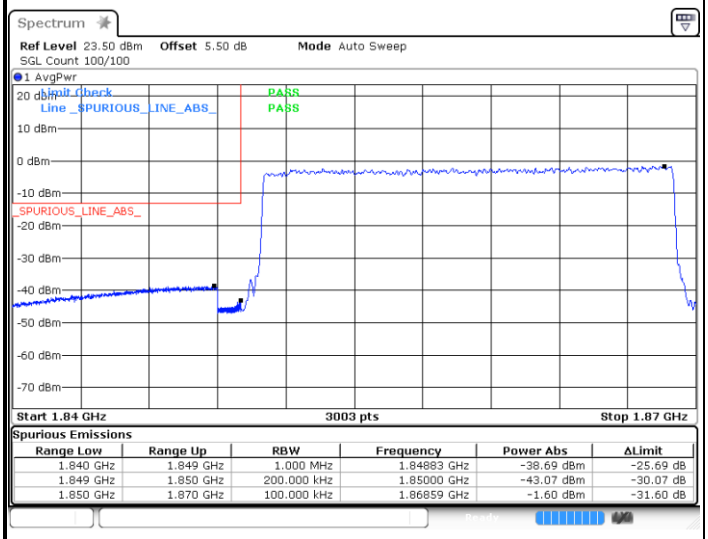


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90891 GHz	17.75 dBm	-12.25 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91002 GHz	-28.52 dBm	-15.52 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91385 GHz	-27.88 dBm	-14.88 dB

Date: 26.SEP.2022 18:04:19

Lowest Band Edge / Full RB

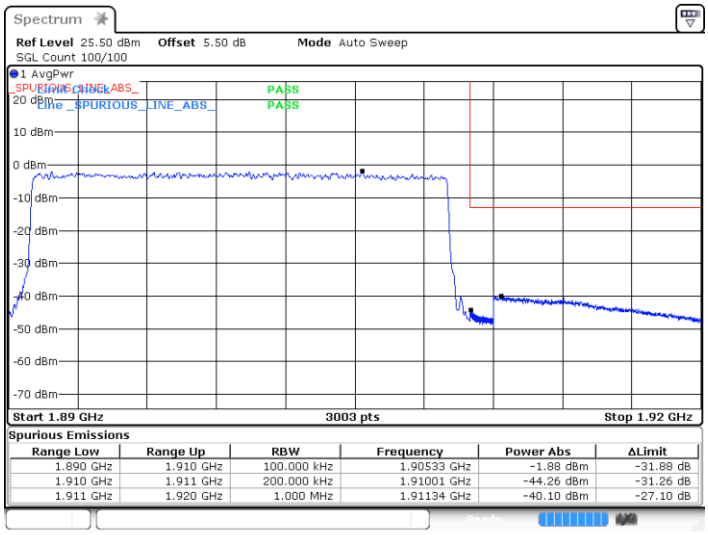


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84883 GHz	-38.69 dBm	-25.69 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.85000 GHz	-43.07 dBm	-30.07 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86859 GHz	-1.60 dBm	-31.60 dB

Date: 26.SEP.2022 17:31:40

Highest Band Edge / Full RB



Spurious Emissions

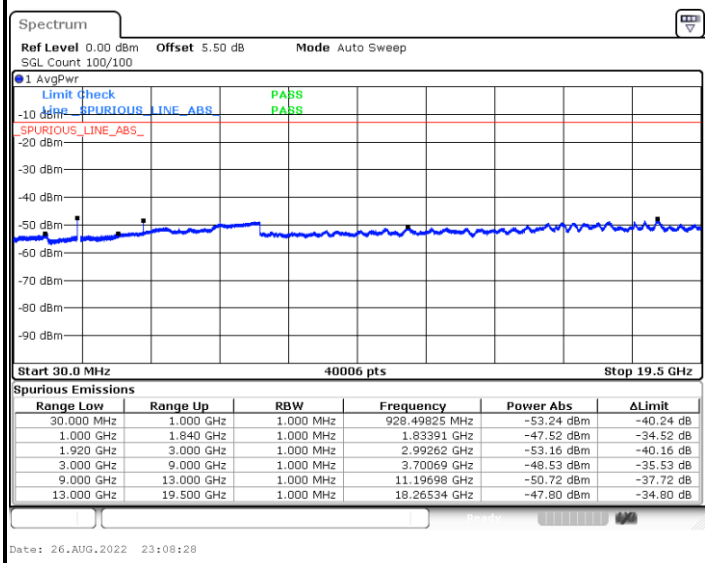
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90533 GHz	-1.88 dBm	-31.88 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91001 GHz	-44.26 dBm	-31.26 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91134 GHz	-40.10 dBm	-27.10 dB

Date: 26.SEP.2022 18:05:36

Conducted Spurious Emission

LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

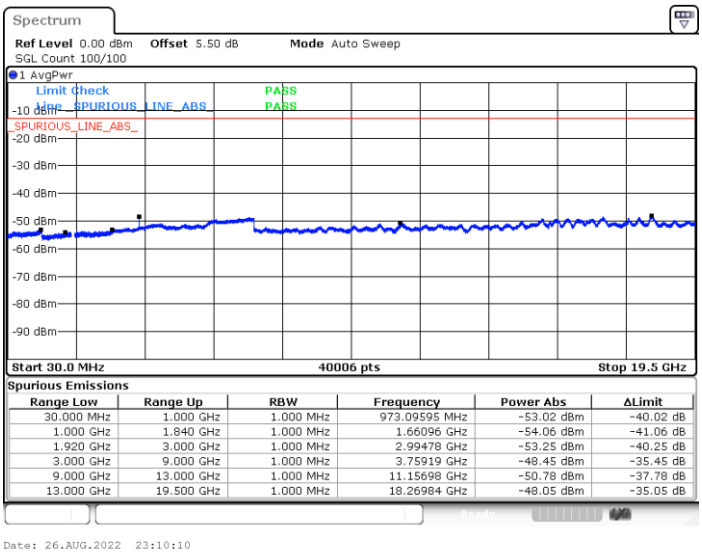


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.49825 MHz	-53.24 dBm	-40.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83391 GHz	-47.52 dBm	-34.52 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99262 GHz	-53.16 dBm	-40.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-48.53 dBm	-35.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.19698 GHz	-50.72 dBm	-37.72 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.26534 GHz	-47.80 dBm	-34.80 dB

Date: 26.AUG.2022 23:08:28

Middle Channel / QPSK

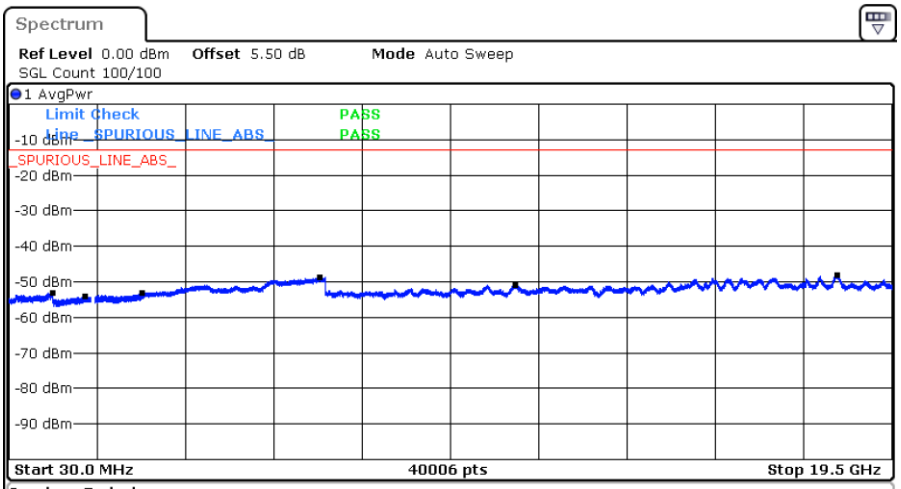


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-53.02 dBm	-40.02 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66096 GHz	-54.06 dBm	-41.06 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99478 GHz	-53.25 dBm	-40.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75919 GHz	-48.45 dBm	-35.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.15698 GHz	-50.78 dBm	-37.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.26984 GHz	-48.05 dBm	-35.05 dB

Date: 26.AUG.2022 23:10:10

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.39780 MHz	-53.02 dBm	-40.02 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71553 GHz	-54.10 dBm	-41.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95124 GHz	-53.25 dBm	-40.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88793 GHz	-48.81 dBm	-35.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.18898 GHz	-50.83 dBm	-37.83 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.27984 GHz	-48.12 dBm	-35.12 dB

Date: 26.AUG.2022 23:12:02