FCC RF Test Report

APPLICANT	: Motorola Mobility LLC
EQUIPMENT	: Mobile Cellular Phone
BRAND NAME	: Motorola
MODEL NAME	: XT2409-1, XT2409-6
FCC ID	: IHDT56AS6
STANDARD	: 47 CFR Part 2, 27(M)
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Jun. 04, 2024 ~ Jun. 18, 2024

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

Sporton International Inc. (Kunshan)
No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG452307C	Rev. 01	Initial issue of report	Jul. 02, 2024

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 7) (Band 38) (Band 41)	EIRP < 2Watt	PASS	-
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)	§27.53(m)(4)	PASS	-
3.8	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)	< $55+10\log_{10}$(P[Watts])	PASS	-
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)	< $55+10\log_{10}$(P[Watts])	PASS	Under limit 16.51 dB at 7752.00 MHz

Conformity Assessment Condition:

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

Disclaimer:

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

1 General Description

1.1 Applicant

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	XT2409-1, XT2409-6
FCC ID	IHDT56AS6
IMEI Code	Conducted: 354637960030592 Radiation: 354637960030873/354637960030881
HW Version	DVT2
SW Version	UUI34.42
EUT Stage	Identical Prototype

Remark: The two models are only different for market segment, all the others are the same.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Rx Frequency	LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz
Bandwidth	LTE Band 7 : 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	**<ANT1>** LTE Band 7 : 22.27 dBm LTE Band 38 : 22.50 dBm LTE Band 41 : 25.56 dBm LTE CA_7C : 22.26 dBm LTE CA_38C : 22.45 dBm LTE CA_41C : 25.44 dBm **<ANT4>** LTE Band 7 : 21.62 dBm LTE Band 38 : 21.52 dBm LTE Band 41 : 24.68 dBm LTE CA_7C : 21.44 dBm LTE CA_38C : 21.50 dBm LTE CA_41C : 24.34 dBm
Antenna Gain	**<ANT1>** LTE Band 7 : -1.85 dBi LTE Band 38 : -1.8 dBi LTE Band 41 : -1.8 dBi **<ANT4>** LTE Band 7 : -0.69 dBi LTE Band 38 : -0.69 dBi LTE Band 41 : -0.69 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note:

1. The maximum EIRP is calculated from max output power and max antenna gain, only the maximum EIRP of Ant.4 for LTE Band 7/7C/38/38C/41/41C are shown in the report.
2. For conducted test items, the whole testing has assessed Ant.1 for LTE Band 7/7C/38/38C/41/41C by referring to the higher conducted power.
3. LTE Band 41 supports HPUE mode.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

LTE Band 7		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2502.5 ~ 2567.5	0.1233	4M50G7D	0.0959	4M50W7D
10	2505.0 ~ 2565.0	0.1236	9M03G7D	0.0966	9M03W7D
15	2507.5 ~ 2562.5	0.1236	13M4G7D	0.0962	13M5W7D
20	2510.0 ~ 2560.0	0.1239	17M9G7D	0.0964	17M9W7D
LTE Band 38		QPSK		16QAM/64QAM256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2572.5 ~ 2617.5	0.1194	4M49G7D	0.0929	4M49W7D
10	2575.0 ~ 2615.0	0.1199	9M13G7D	0.0925	9M05W7D
15	2577.5 ~ 2612.5	0.1199	13M5G7D	0.0927	13M4W7D
20	2580.0 ~ 2610.0	0.1211	17M8G7D	0.0933	17M8W7D
LTE Band 41		QPSK		16QAM/64QAM256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2498.5 ~ 2687.5	0.2460	4M49G7D	0.1950	4M49W7D
10	2501.0 ~ 2685.0	0.2489	9M13G7D	0.1923	9M05W7D
15	2503.5 ~ 2682.5	0.2495	13M5G7D	0.1945	13M4W7D
20	2506.0 ~ 2680.0	0.2506	17M8G7D	0.1950	17M8W7D
LTE Band 7 CA		QPSK		16QAM/64QAM256QAM	
BW (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10MHz+20MHz		0.1180	28M2G7D	0.0955	28M2W7D
15MHz+15MHz		0.1140	28M8G7D	0.0957	28M7W7D
15MHz+20MHz		0.1167	32M9G7D	0.0944	32M9W7D
15MHz+10MHz		0.1178	23M4G7D	0.0951	23M4W7D
20MHz+10MHz		0.1161	28M1G7D	0.0940	28M2W7D
20MHz+15MHz		0.1151	32M9G7D	0.0929	33M0W7D
20MHz+20MHz		0.1189	37M9G7D	0.0964	37M9W7D

LTE Band 38 CA	QPSK		16QAM/64QAM256QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
15MHz+15MHz	0.1172	28M9G7D	0.0923	28M5W7D
20MHz+20MHz	0.1205	38M0G7D	0.0959	37M4W7D
LTE Band 41 CA	**QPSK**		**16QAM/64QAM256QAM**	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5MHz+20MHz	0.2244	23M4G7D	0.1816	23M4W7D
10MHz+20MHz	0.2208	27M8G7D	0.1746	28M0W7D
10MHz+15MHz	0.2198	23M4G7D	0.1766	23M6W7D
15MHz+15MHz	0.2234	28M9G7D	0.1832	28M5W7D
15MHz+20MHz	0.2280	32M9G7D	0.1862	32M9W7D
15MHz+10MHz	0.2265	23M5G7D	0.1807	23M5W7D
20MHz+5MHz	0.2301	23M4G7D	0.1799	23M1W7D
20MHz+10MHz	0.2265	28M1G7D	0.1807	27M9W7D
20MHz+15MHz	0.2275	32M9G7D	0.1837	33M0W7D
20MHz+20MHz	0.2317	38M0G7D	0.1901	37M4W7D

Note:

1. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.
2. The device supports two PAs for LTE Band 7/38/41, the maximum power of main PA is higher than the other PA, therefore, we chose higher power of main PA to calculate the EIRP and show in the report.
3. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

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

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

1.8 Test Software

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

1.9 Applicable Standards

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

- 47 CFR Part 2, 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.

1.10 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-681N
AC Adapter 1(EU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-682N
AC Adapter 1(UK)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-683N
AC Adapter 1(AU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-685N
AC Adapter 1(BR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-687N
AC Adapter 2(US)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-681N
AC Adapter 2(EU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-682N
AC Adapter 2(UK)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-683N
AC Adapter 2(AU)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-685N
AC Adapter 2(BR)	**Brand Name**	Motorola(Acbel)	**Model Name**	MC-687N
Battery 1	**Brand Name**	Motorola(ATL)	**Model Name**	QV43
Battery 2	**Brand Name**	Motorola(CosMX)	**Model Name**	QV43
USB Cable 1	**Brand Name**	Motorola(Hexin)	**Model Name**	S928E28748
USB Cable 2	**Brand Name**	Motorola(Juwei)	**Model Name**	S928E28749
USB Cable 3	**Brand Name**	Motorola(Saibao)	**Model Name**	S928E38943
Earphone	**Brand Name**	Motorola(Lyand)	**Model Name**	MI181C(SH38D62338)

2 Test Configuration of Equipment Under Test

2.1 Test Mode

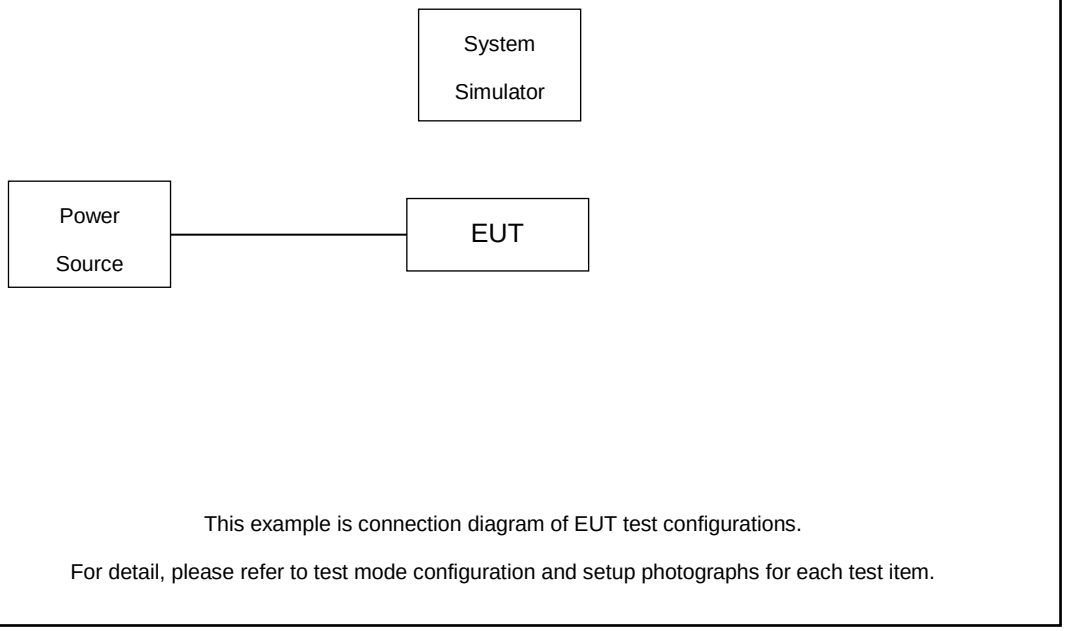
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	7	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v
Peak-to-Average Ratio	7	-	-				v	v	v	v	v			v		v	
	38	-	-				v	v	v	v	v			v		v	
	41	-	-				v	v	v	v	v			v		v	
26dB and 99% Bandwidth	7	-	-	v	v	v	v	v	v					v		v	
	38	-	-	v	v	v	v	v	v					v		v	
	41	-	-	v	v	v	v	v	v					v		v	
Conducted Band Edge	7	-	-	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
	41	-	-	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	7	-	-	v	v	v	v	v				v			v	v	v
	38	-	-	v	v	v	v	v				v			v	v	v
	41	-	-	v	v	v	v	v				v			v	v	v
Frequency Stability	7	-	-		v			v				v				v	
	38	-	-		v			v				v				v	
	41	-	-		v			v				v				v	
E.I.R.P	7	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	7	Worst Case														v	
	38	Worst Case														v	
	41	Worst Case														v	
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
Max. Output Power	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v			v	v	v
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v	v			v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v
26dB and 99% Bandwidth	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v					v		v	
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v					v		v	
Conducted Band Edge	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v		v	v		v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	7C_CA	v	v	v	v	v	-	-	v	v	-	v				v			v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v				v			v	v	v
E.I.R.P.	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v			v	v	v
	38C_CA	v	-	-	-	-	-	-	v	-	-	v	v	v	v	v			v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v
Frequency Stability	7C_CA	v					-	-			-	v				v				v	
	41C_CA	v										v				v				v	
Radiated Spurious Emission	7C_CA	Worst Case																		v	
	41C_CA	Worst Case																		v	
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																				

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 6.3 dB.

Example :

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

= 6.3(dB)

2.5 Frequency List of Low/Middle/High Channels

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

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

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

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

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

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

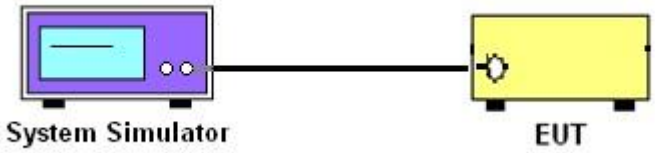
3 Conducted Test Items

3.1 Measuring Instruments

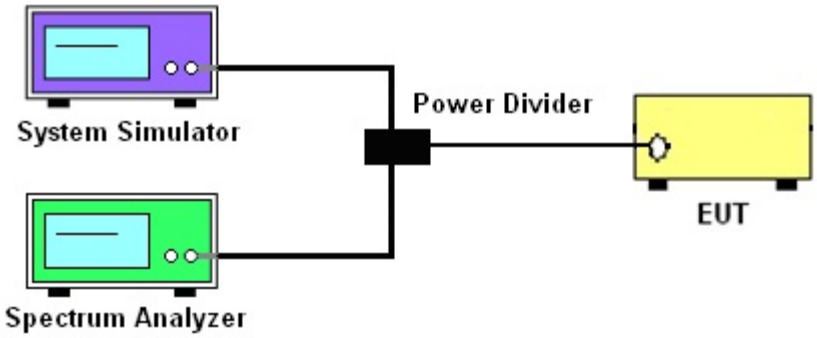
See list of measuring instruments of this test report.

3.2 Test Setup

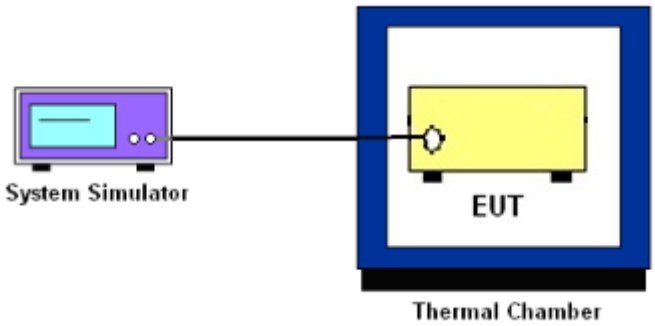
3.2.1 Conducted Output Power



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 EIRP

3.4.1 Description of the Conducted Output Power Measurement and 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 EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 7 and Band 38 and Band 41.

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

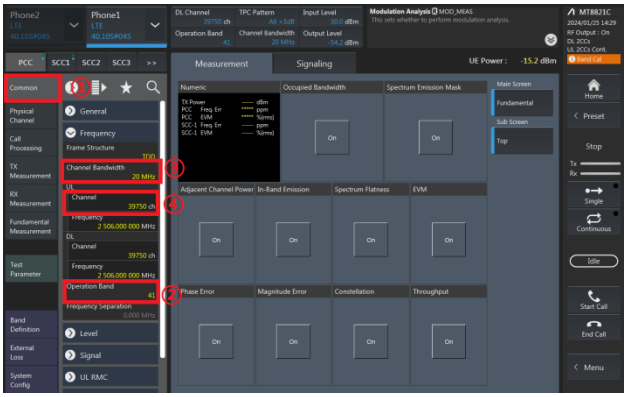
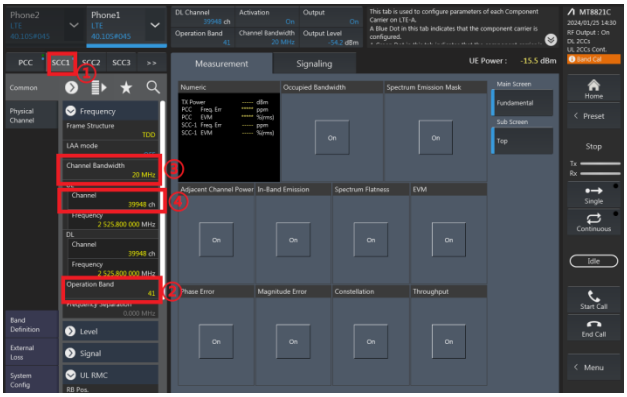
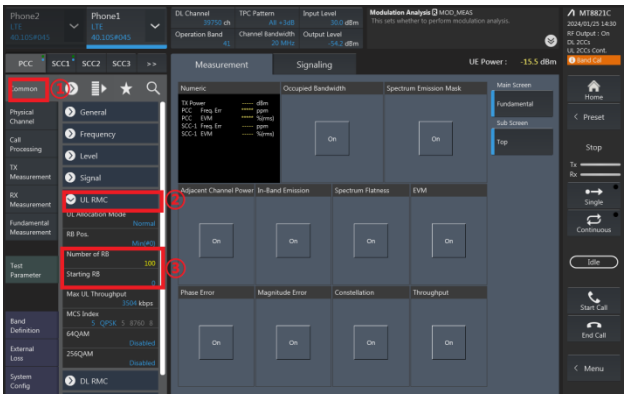
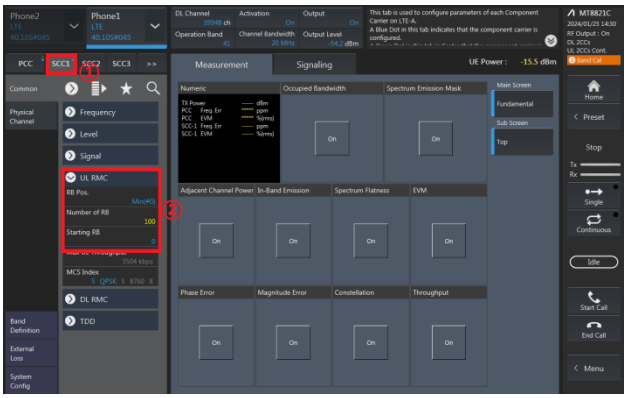
L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

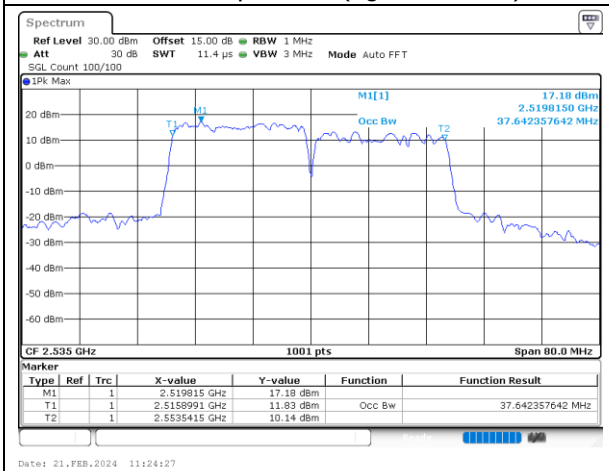
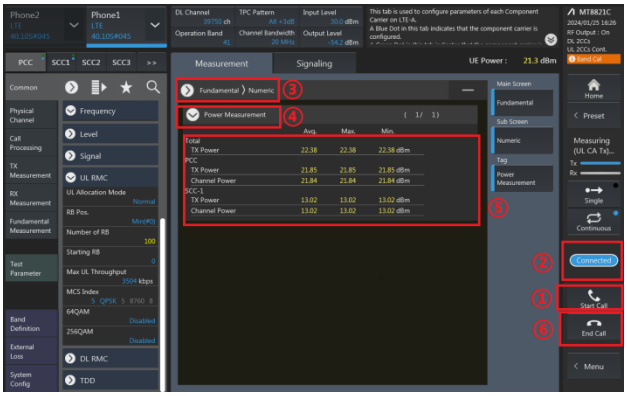
1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from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

3.4.3 Test Procedures for LTE ULCA

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

PCC config_(Channel Bandwidth / Channel / Band)	SCC config_(Channel Bandwidth / Channel / Band)
	
PCC config_(Number of RB / Starting RB)	**SCC config_(Number of RB / Starting RB)**
	

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

Check the ULCA spectrum (eg. 20M+20M)	Read the Total UL CA output power (PCC+SCC)
	

3.5 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

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, 41, 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 7,38,41:

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 10^{th} 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, 41
    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.

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.

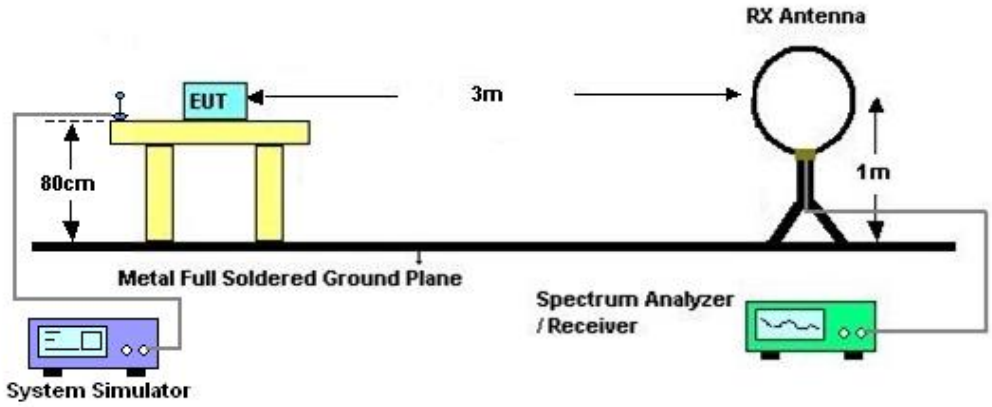
4 Radiated Test Items

4.1 Measuring Instruments

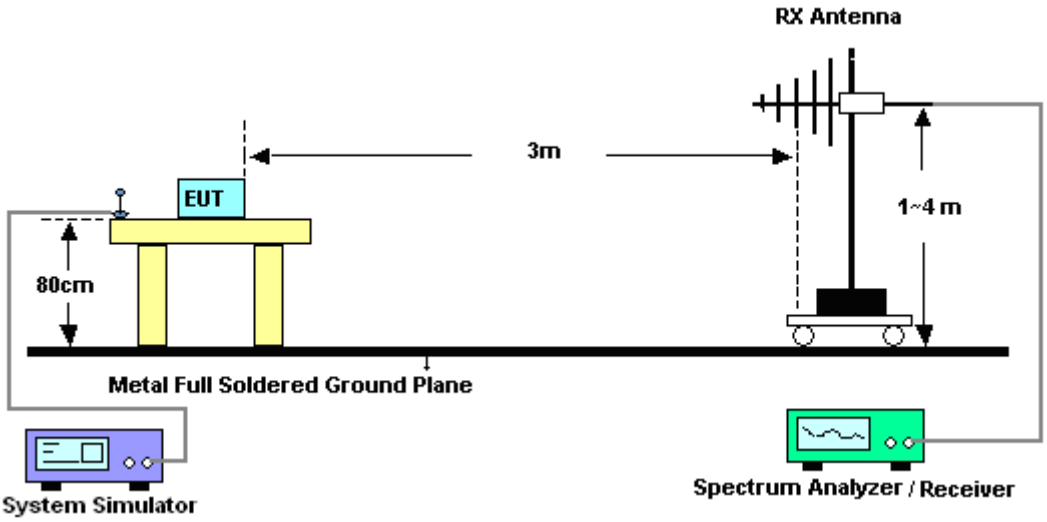
See list of measuring instruments of this test report.

4.2 Test Setup

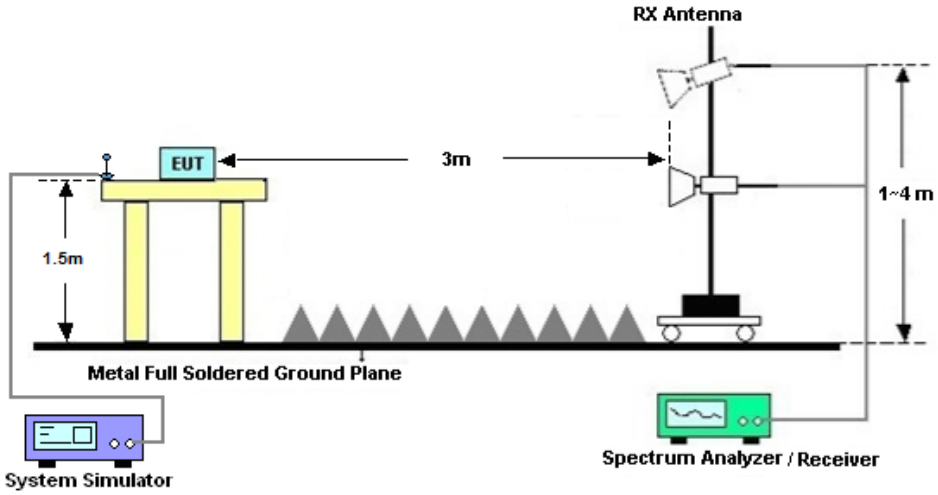
4.2.1 For radiated test below 30MHz



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, 41

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.

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, 41:
    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, 2023	Jun. 04, 2024~ Jun. 17, 2024	Oct. 10, 2024	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Jun. 04, 2024~ Jun. 17, 2024	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 06, 2023	Jun. 04, 2024~ Jun. 17, 2024	Jul. 05, 2024	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz-44G,MAX 30dB	Oct. 10, 2023	Jun. 18, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 11, 2023	Jun. 18, 2024	Sep. 10, 2024	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	59913	30MHz-1GHz	Aug. 19, 2023	Jun. 18, 2024	Aug. 18, 2024	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00251694	1GHz~18GHz	Jul. 12, 2023	Jun. 18, 2024	Jul. 11, 2024	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2024	Jun. 18, 2024	Jan. 04, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380827	9KHz-1GHz	Jul. 06, 2023	Jun. 18, 2024	Jul. 05, 2024	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2024	Jun. 18, 2024	Jan. 04, 2025	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18GA	060840	1Ghz-18Ghz	Oct. 10, 2023	Jun. 18, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz-18Ghz	Oct. 10, 2023	Jun. 18, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jun. 18, 2024	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jun. 18, 2024	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jun. 18, 2024	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.50 dB
Peak to Average Ratio	±0.50 dB
Frequency Stability	±0.04 ppm

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

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

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

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

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

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

---------- THE END ----------

Appendix A. Test Results of Conducted Test

Test Engineer :	Smile Wang	Temperature :	22~23℃
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and EIRP

LTE Band 7_Ant.4:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20850	21100	21350			
Frequency (MHz)				2510	2535	2560	L	M	H
20	QPSK	1	0	21.52	21.62	21.57	0.1211	0.1239	0.1225
20	QPSK	1	99	21.42	21.54	21.49	0.1183	0.1216	0.1202
20	QPSK	100	0	20.51	20.56	20.55	0.0959	0.0971	0.0968
20	16QAM	1	0	20.51	20.53	20.53	0.0959	0.0964	0.0964
20	64QAM	1	0	19.47	19.59	19.48	0.0755	0.0776	0.0757
20	256QAM	1	0	16.49	16.59	16.53	0.0380	0.0389	0.0384
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	21.51	21.61	21.49	0.1208	0.1236	0.1202
15	16QAM	1	0	20.40	20.52	20.45	0.0935	0.0962	0.0946
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	21.46	21.61	21.49	0.1194	0.1236	0.1202
10	16QAM	1	0	20.45	20.43	20.54	0.0946	0.0942	0.0966
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	21.50	21.60	21.54	0.1205	0.1233	0.1216
5	16QAM	1	0	20.42	20.51	20.48	0.0940	0.0959	0.0953

LTE Band 38_Ant.4:

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	21.47	21.52	21.50	0.1197	0.1211	0.1205
20	QPSK	1	99	21.42	21.44	21.48	0.1183	0.1189	0.1199
20	QPSK	100	0	20.45	20.51	20.43	0.0946	0.0959	0.0942
20	16QAM	1	0	20.34	20.39	20.37	0.0923	0.0933	0.0929
20	64QAM	1	0	19.25	19.39	19.36	0.0718	0.0741	0.0736
20	256QAM	1	0	16.46	16.61	16.42	0.0378	0.0391	0.0374
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	21.47	21.48	21.39	0.1197	0.1199	0.1175
15	16QAM	1	0	20.35	20.36	20.28	0.0925	0.0927	0.0910
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	21.38	21.48	21.41	0.1172	0.1199	0.1180
10	16QAM	1	0	20.24	20.30	20.35	0.0902	0.0914	0.0925
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	21.37	21.44	21.46	0.1169	0.1189	0.1194
5	16QAM	1	0	20.25	20.37	20.29	0.0904	0.0929	0.0912

LTE Band 41_Ant.4:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				39750	40620	41490			
Frequency (MHz)				2506	2593	2680	L	M	H
20	QPSK	1	0	24.52	24.68	24.64	0.2415	0.2506	0.2483
20	QPSK	1	99	24.51	24.60	24.54	0.2410	0.2460	0.2427
20	QPSK	100	0	23.53	23.61	23.53	0.1923	0.1959	0.1923
20	16QAM	1	0	23.58	23.59	23.49	0.1945	0.1950	0.1905
20	64QAM	1	0	22.56	22.59	22.55	0.1538	0.1549	0.1535
20	256QAM	1	0	19.51	19.65	19.56	0.0762	0.0787	0.0771
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	24.50	24.66	24.55	0.2404	0.2495	0.2432
15	16QAM	1	0	23.47	23.58	23.39	0.1897	0.1945	0.1862
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	24.49	24.65	24.60	0.2399	0.2489	0.2460
10	16QAM	1	0	23.49	23.53	23.46	0.1905	0.1923	0.1892
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	24.50	24.60	24.53	0.2404	0.2460	0.2421
5	16QAM	1	0	23.50	23.59	23.46	0.1910	0.1950	0.1892

LTE CA_7C_Ant.4:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	21.44	0.1189
M	QPSK	1	Max	1	0	21.32	0.1156
H	QPSK	1	Max	1	0	21.26	0.1140
L	16QAM	1	Max	1	0	20.53	0.0964
M	16QAM	1	Max	1	0	20.43	0.0942
H	16QAM	1	Max	1	0	20.29	0.0912
L	64QAM	1	Max	1	0	19.36	0.0736
M	64QAM	1	Max	1	0	19.48	0.0757
H	64QAM	1	Max	1	0	19.41	0.0745
L	256QAM	1	Max	1	0	16.45	0.0377
M	256QAM	1	Max	1	0	16.47	0.0378
H	256QAM	1	Max	1	0	16.45	0.0377
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	21.30	0.1151
L	16QAM	1	Max	1	0	20.37	0.0929
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	21.36	0.1167
L	16QAM	1	Max	1	0	20.44	0.0944
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	21.26	0.1140
L	16QAM	1	Max	1	0	20.50	0.0957
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	21.34	0.1161
L	16QAM	1	Max	1	0	20.42	0.0940
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	21.41	0.1180
L	16QAM	1	Max	1	0	20.49	0.0955
Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	21.40	0.1178
L	16QAM	1	Max	1	0	20.47	0.0951

LTE CA_38C_Ant.4:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	21.44	0.1189
M	QPSK	1	Max	1	0	21.50	0.1205
H	QPSK	1	Max	1	0	21.36	0.1167
L	16QAM	1	Max	1	0	20.36	0.0927
M	16QAM	1	Max	1	0	20.51	0.0959
H	16QAM	1	Max	1	0	20.40	0.0935
L	64QAM	1	Max	1	0	19.50	0.0760
M	64QAM	1	Max	1	0	19.48	0.0757
H	64QAM	1	Max	1	0	19.38	0.0740
L	256QAM	1	Max	1	0	16.38	0.0371
M	256QAM	1	Max	1	0	16.36	0.0369
H	256QAM	1	Max	1	0	16.42	0.0374
Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	21.38	0.1172
M	16QAM	1	Max	1	0	20.34	0.0923

LTE CA_41C_Ant.4:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	24.24	0.2265
M	QPSK	1	Max	1	0	24.14	0.2213
H	QPSK	1	Max	1	0	24.34	0.2317
L	16QAM	1	Max	1	0	23.48	0.1901
M	16QAM	1	Max	1	0	23.33	0.1837
H	16QAM	1	Max	1	0	23.27	0.1811
L	64QAM	1	Max	1	0	22.10	0.1384
M	64QAM	1	Max	1	0	22.27	0.1439
H	64QAM	1	Max	1	0	22.13	0.1393
L	256QAM	1	Max	1	0	19.34	0.0733
M	256QAM	1	Max	1	0	19.32	0.0729
H	256QAM	1	Max	1	0	19.31	0.0728
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	24.26	0.2275
L	16QAM	1	Max	1	0	23.33	0.1837
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	24.27	0.2280
L	16QAM	1	Max	1	0	23.39	0.1862

Combination 15MHz+15MHz (75RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	24.18	0.2234
L	16QAM	1	Max	1	0	23.32	0.1832
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	24.24	0.2265
L	16QAM	1	Max	1	0	23.26	0.1807
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	24.13	0.2208
L	16QAM	1	Max	1	0	23.11	0.1746
Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	24.24	0.2265
L	16QAM	1	Max	1	0	23.26	0.1807
Combination 10MHz+15MHz (50RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	24.11	0.2198
L	16QAM	1	Max	1	0	23.16	0.1766
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	24.31	0.2301
L	16QAM	1	Max	1	0	23.24	0.1799
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
H	QPSK	1	Max	1	0	24.20	0.2244
L	16QAM	1	Max	1	0	23.28	0.1816

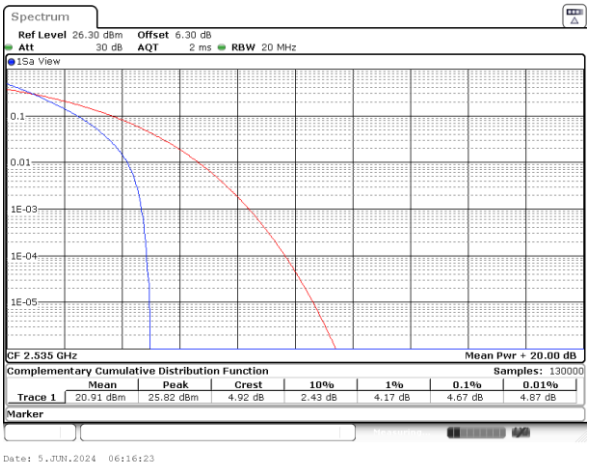
LTE Band 7

Peak-to-Average Ratio

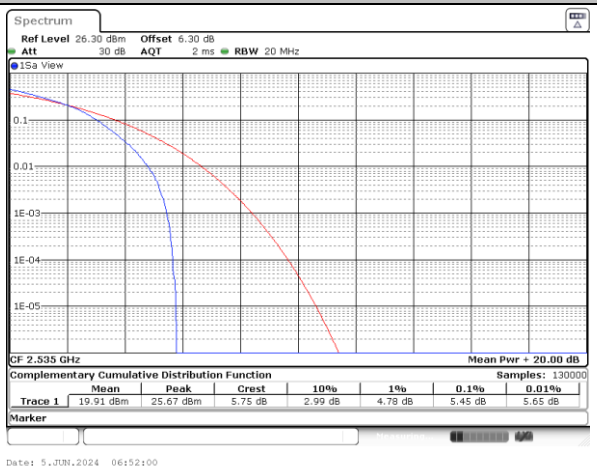
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.67	5.45	6.32	6.55	PASS

LTE Band 7 / 20MHz

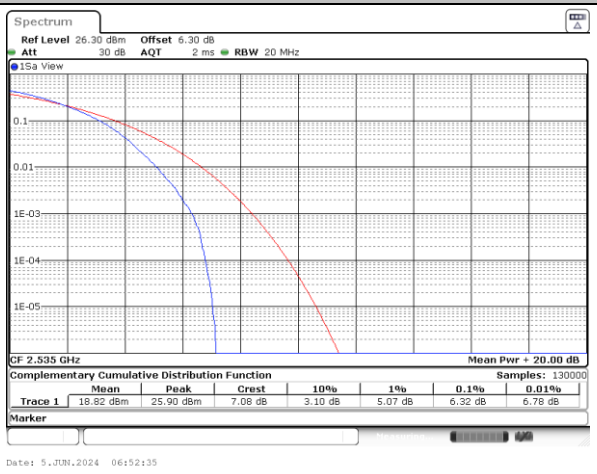
Middle Channel / Full RB/ QPSK



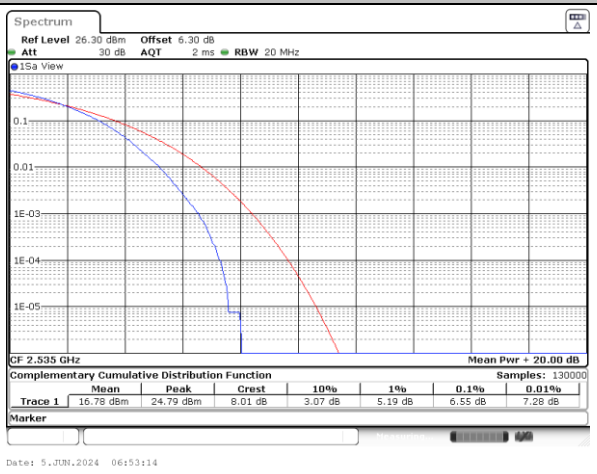
Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM



Middle Channel / Full RB/ 256QAM

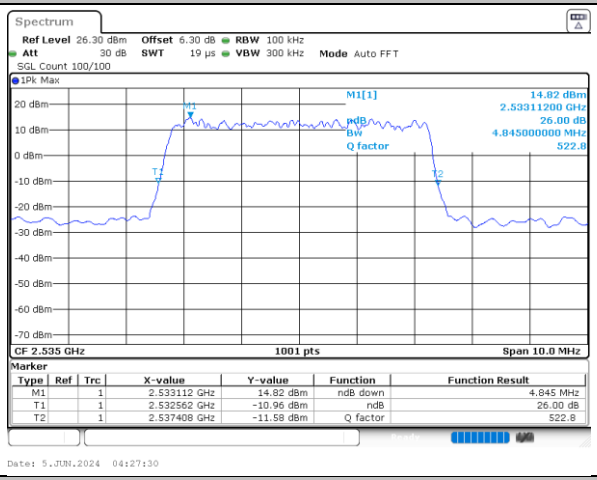


26dB Bandwidth

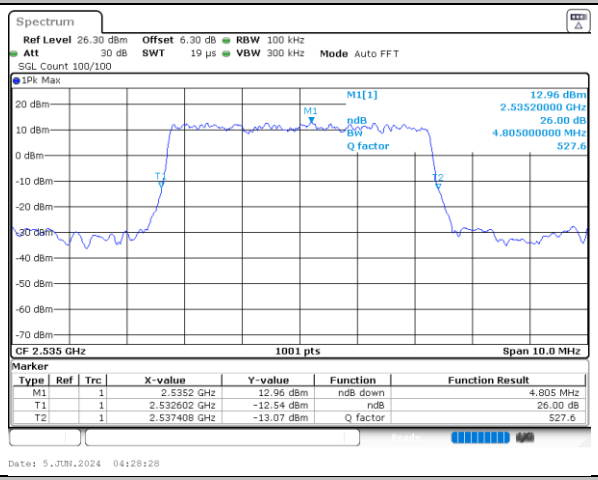
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.85	4.81	9.77	9.85	14.24	14.24	19.02	18.94

LTE Band 7

Middle Channel / 5MHz / QPSK

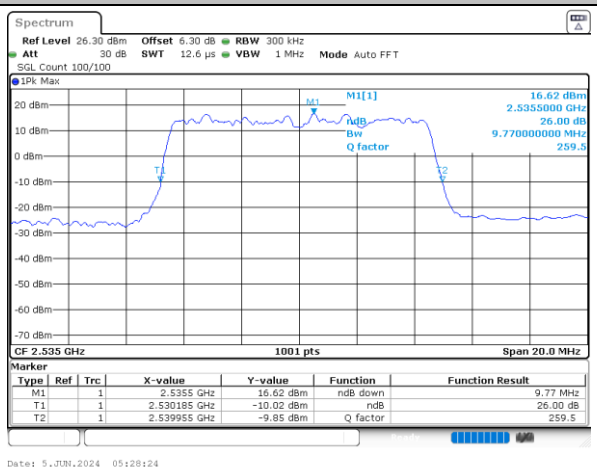


Middle Channel / 5MHz / 16QAM

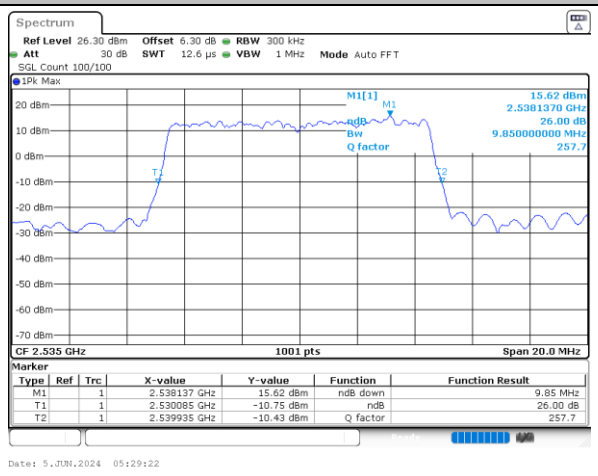


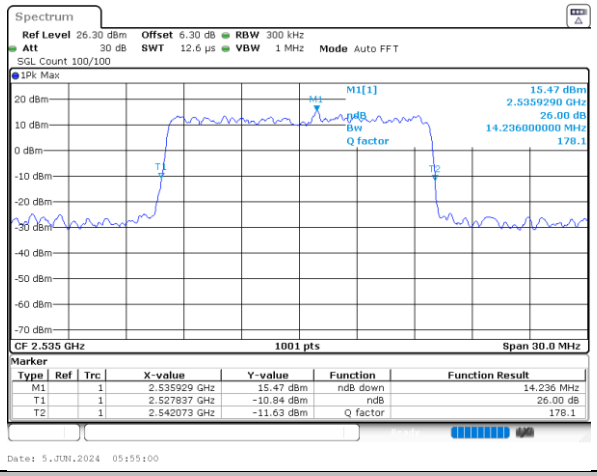
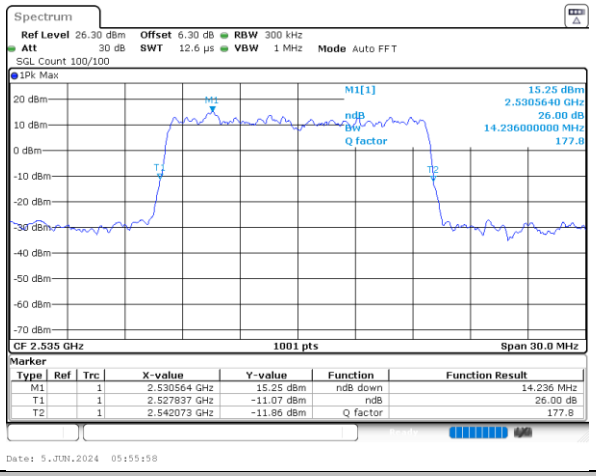
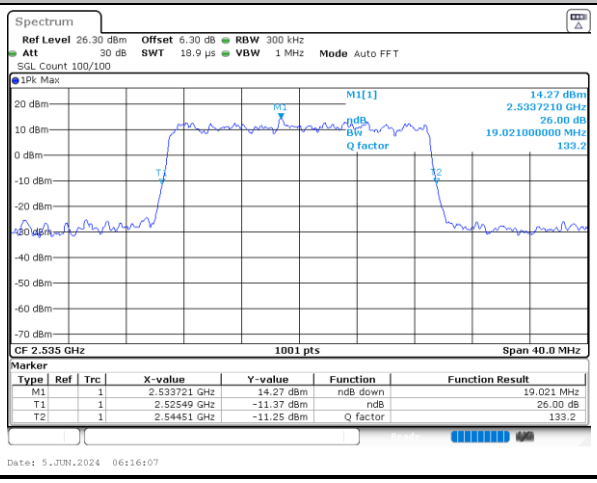
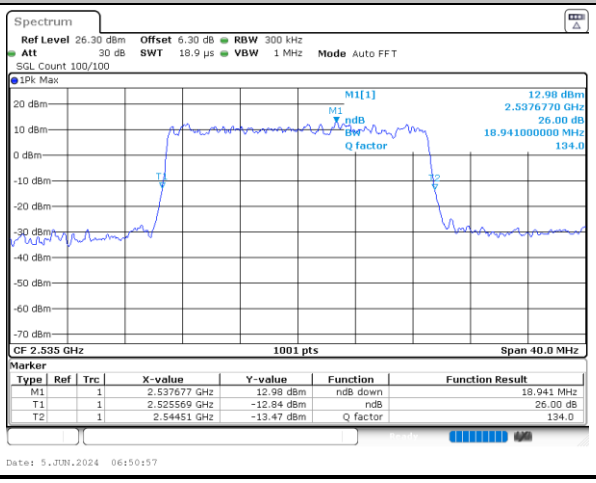
LTE Band 7

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



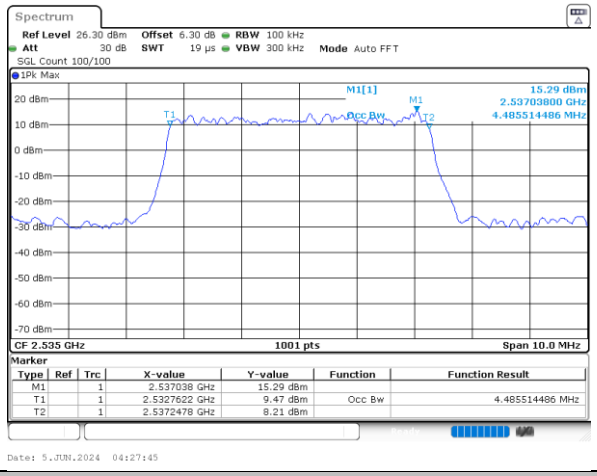
LTE Band 7	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
LTE Band 7	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	

Occupied Bandwidth

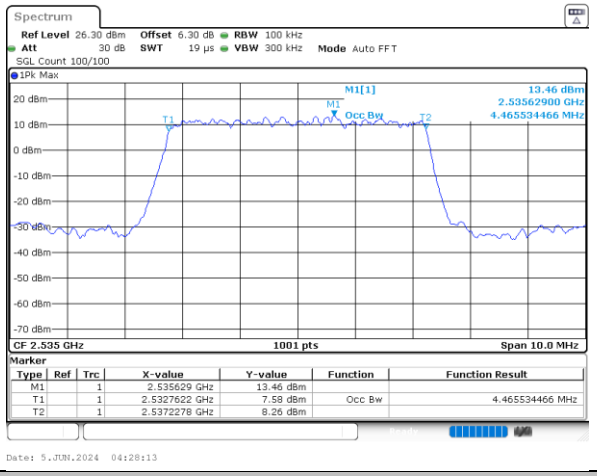
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.49	4.47	9.03	9.03	13.43	13.49	17.94	17.86

LTE Band 7

Middle Channel / 5MHz / QPSK

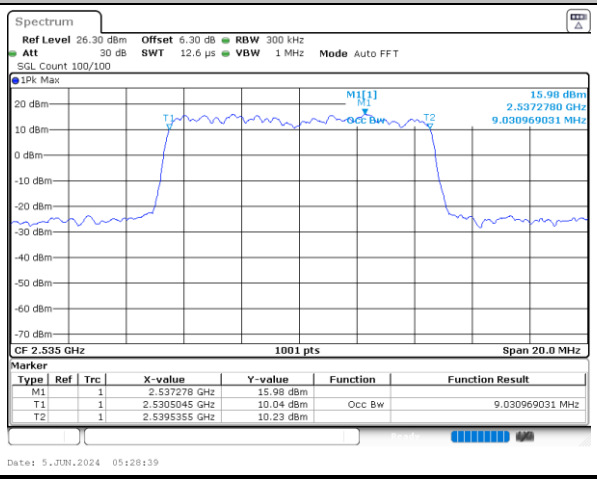


Middle Channel / 5MHz / 16QAM

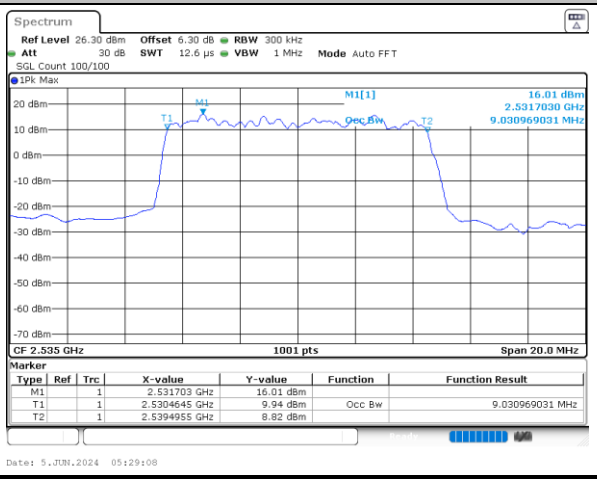


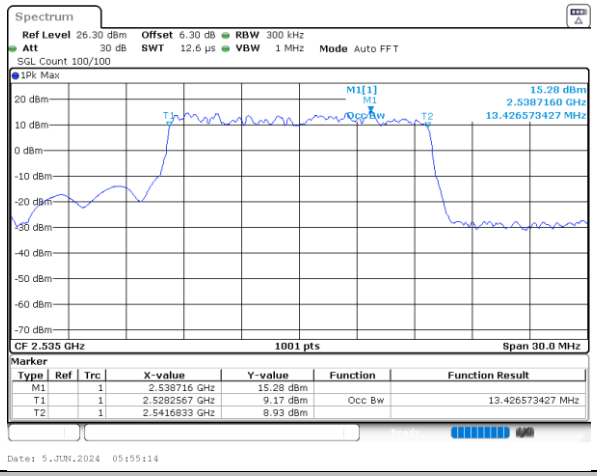
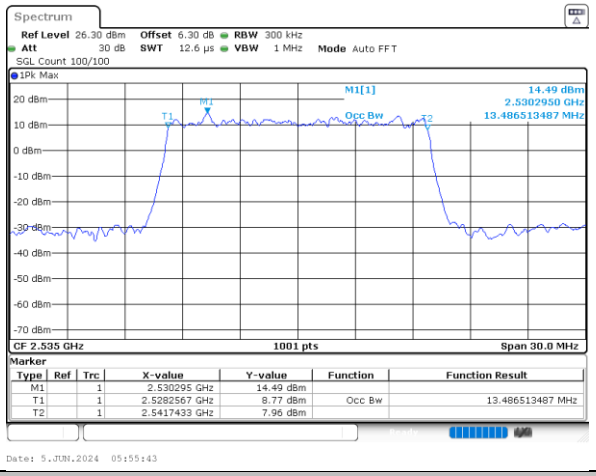
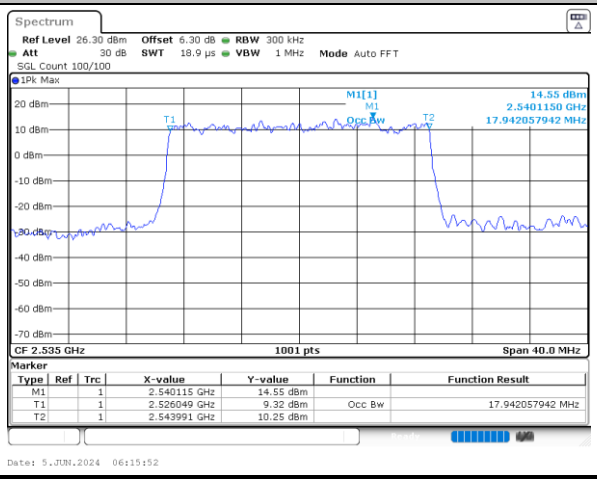
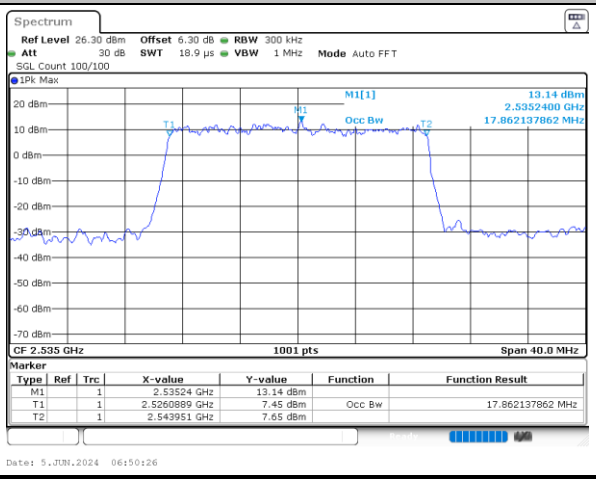
LTE Band 7

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

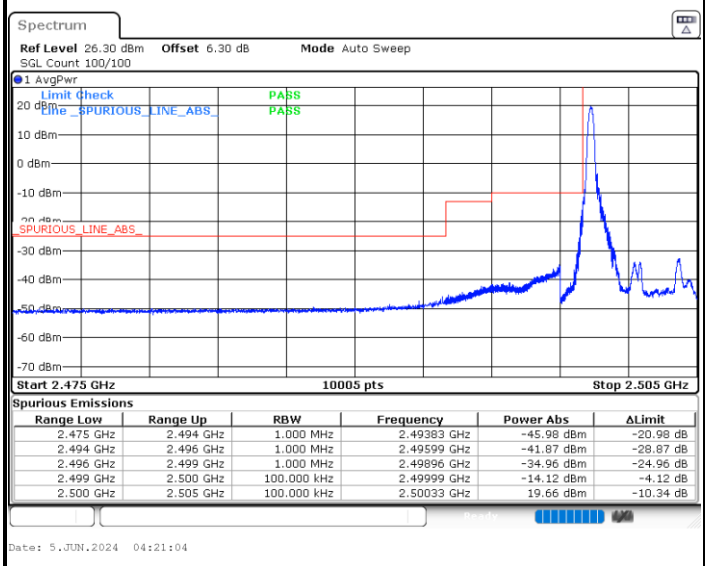


LTE Band 7	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
LTE Band 7	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	

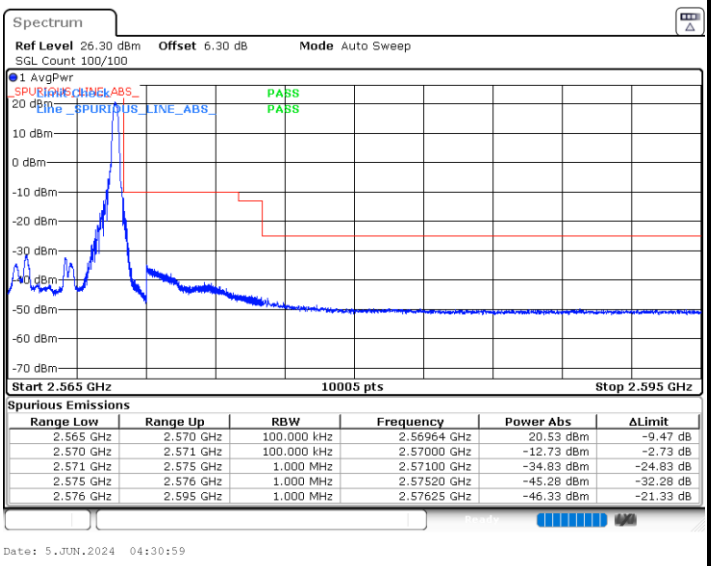
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

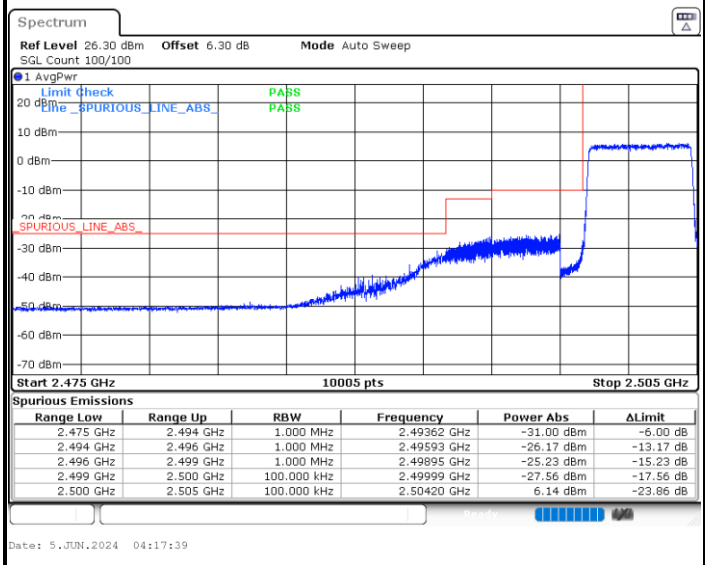
Lowest Band Edge / 1 RB



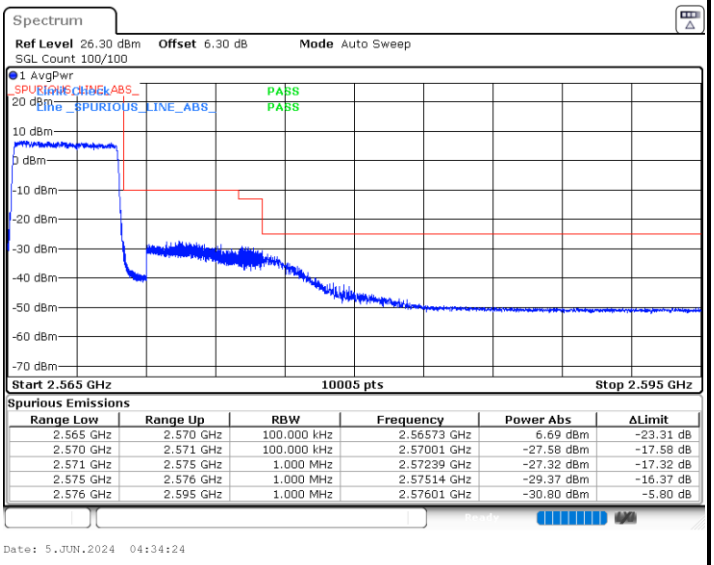
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

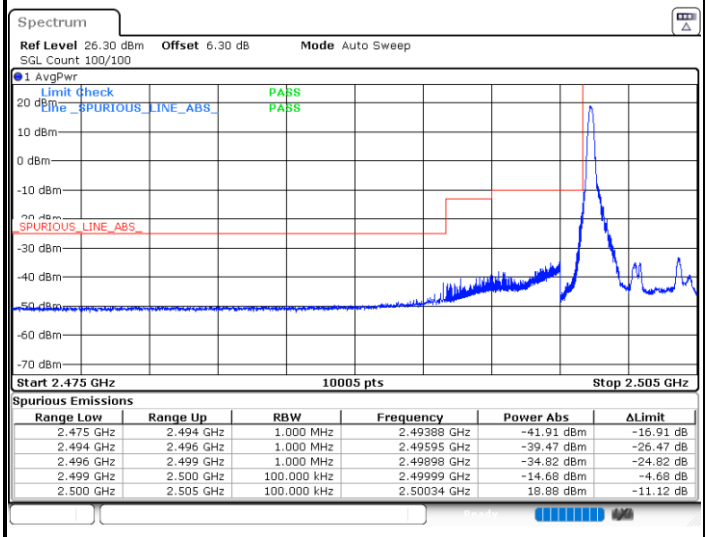


Highest Band Edge / Full RB



LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49388 GHz	-41.91 dBm	-16.91 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49595 GHz	-39.47 dBm	-26.47 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-34.82 dBm	-24.82 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-14.68 dBm	-4.68 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	18.88 dBm	-11.12 dB

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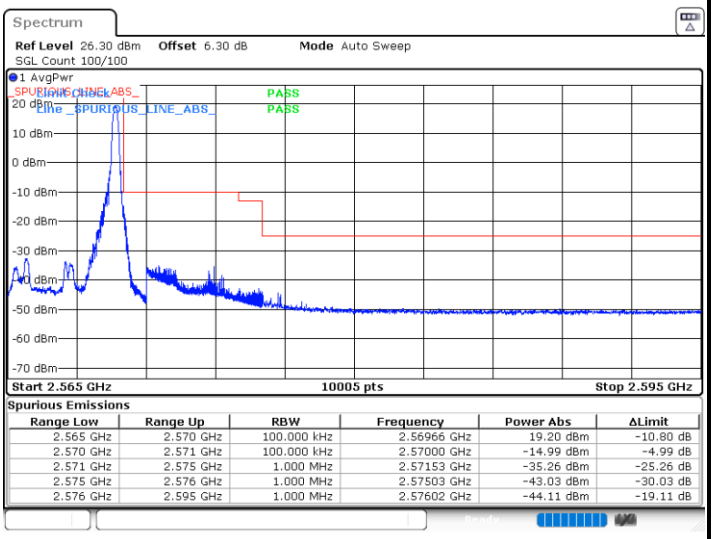
Highest Band Edge / 1 RB

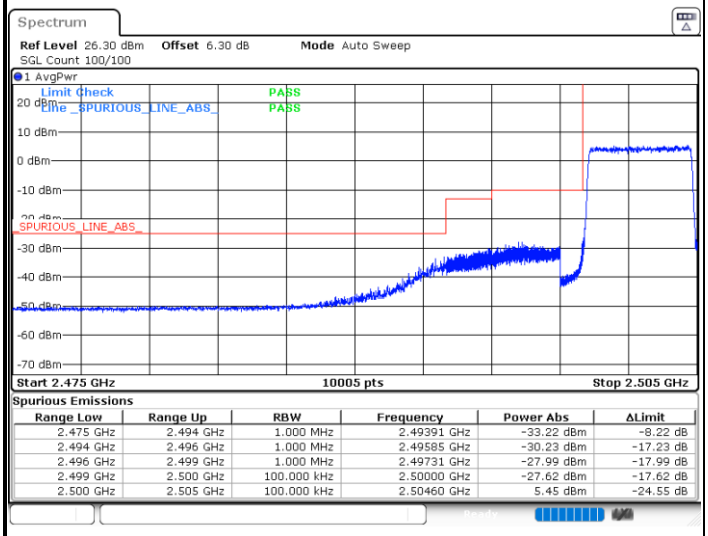


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	19.20 dBm	-10.80 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-14.99 dBm	-4.99 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57153 GHz	-35.26 dBm	-25.26 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57503 GHz	-43.03 dBm	-30.03 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57602 GHz	-44.11 dBm	-19.11 dB

Date: 5.JUN.2024 04:31:53

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49391 GHz	-33.22 dBm	-8.22 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49585 GHz	-30.23 dBm	-17.23 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49731 GHz	-27.99 dBm	-17.99 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-27.62 dBm	-17.62 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50460 GHz	5.45 dBm	-24.55 dB

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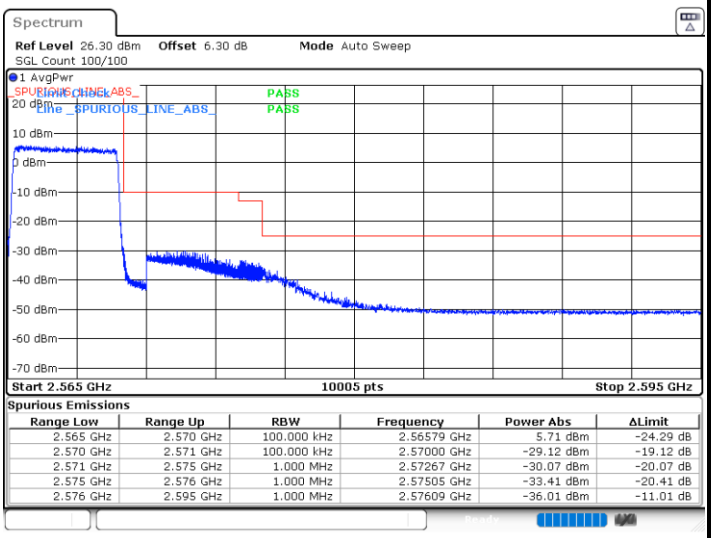
Highest Band Edge / Full RB



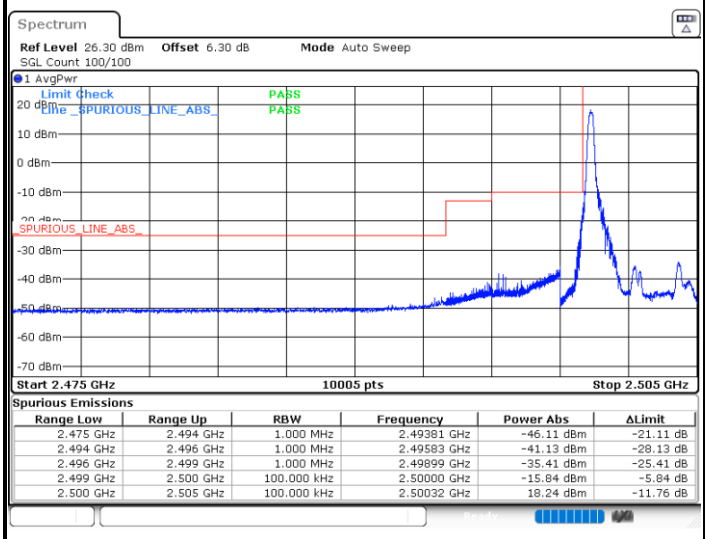
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56579 GHz	5.71 dBm	-24.29 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-29.12 dBm	-19.12 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57267 GHz	-30.07 dBm	-20.07 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57505 GHz	-33.41 dBm	-20.41 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57609 GHz	-36.01 dBm	-11.01 dB

Date: 5.JUN.2024 04:35:15

LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

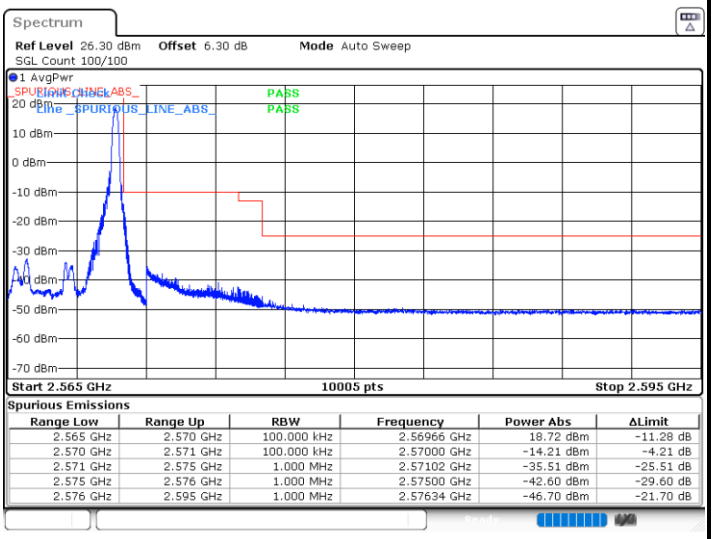


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49381 GHz	-46.11 dBm	-21.11 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49583 GHz	-41.13 dBm	-28.13 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-35.41 dBm	-25.41 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-15.84 dBm	-5.84 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50032 GHz	18.24 dBm	-11.76 dB

Date: 5.JUN.2024 04:22:49

Highest Band Edge / 1 RB

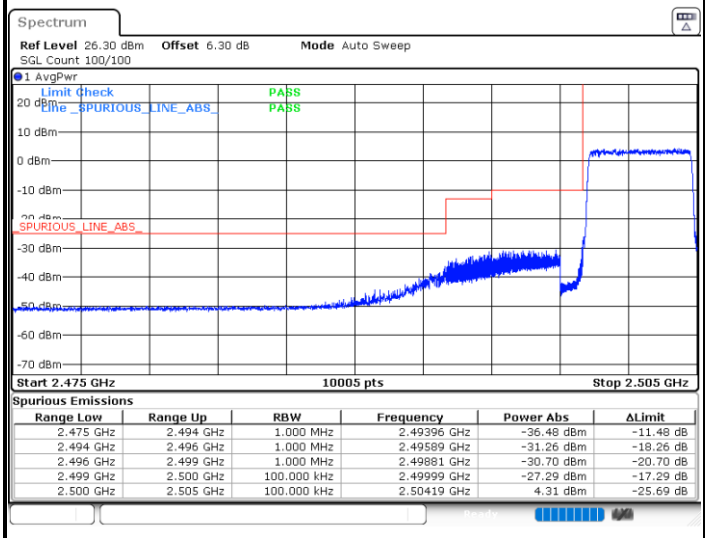


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	18.72 dBm	-11.28 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-14.21 dBm	-4.21 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-35.51 dBm	-25.51 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57500 GHz	-42.60 dBm	-29.60 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57634 GHz	-46.70 dBm	-21.70 dB

Date: 5.JUN.2024 04:32:42

Lowest Band Edge / Full RB

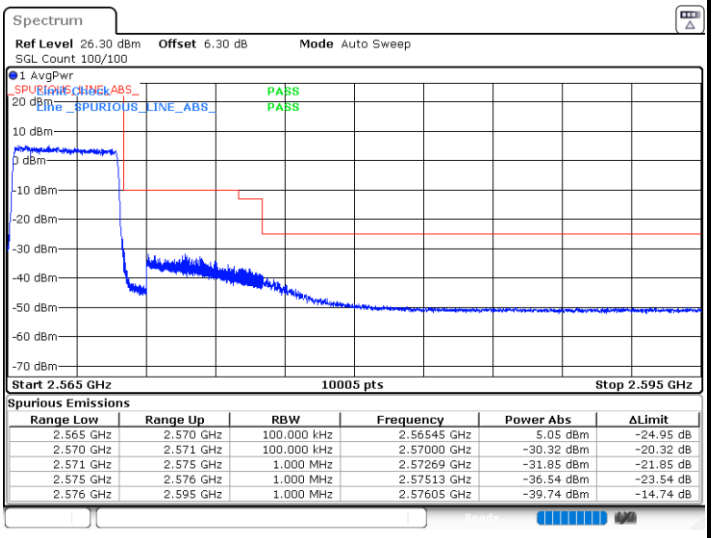


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49396 GHz	-36.48 dBm	-11.48 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49589 GHz	-31.26 dBm	-18.26 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49881 GHz	-30.70 dBm	-20.70 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-27.29 dBm	-17.29 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50419 GHz	4.31 dBm	-25.69 dB

Date: 5.JUN.2024 04:19:21

Highest Band Edge / Full RB



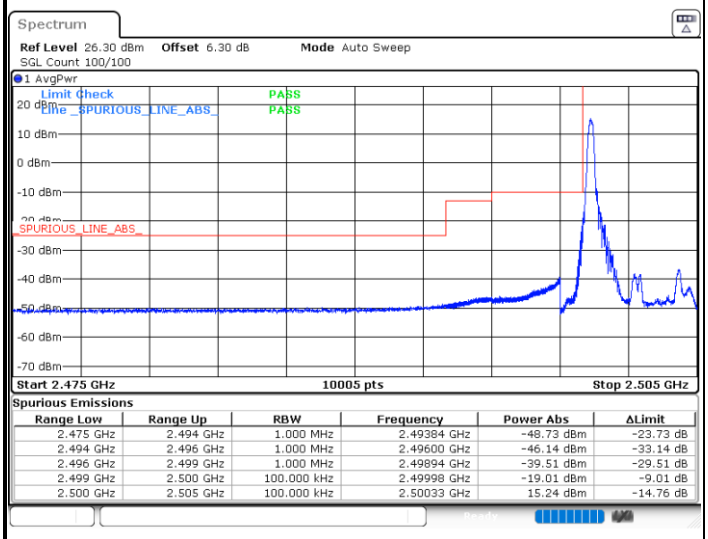
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56545 GHz	5.05 dBm	-24.95 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-30.32 dBm	-20.32 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57269 GHz	-31.85 dBm	-21.85 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57513 GHz	-36.54 dBm	-23.54 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57605 GHz	-39.74 dBm	-14.74 dB

Date: 5.JUN.2024 06:59:27

LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB

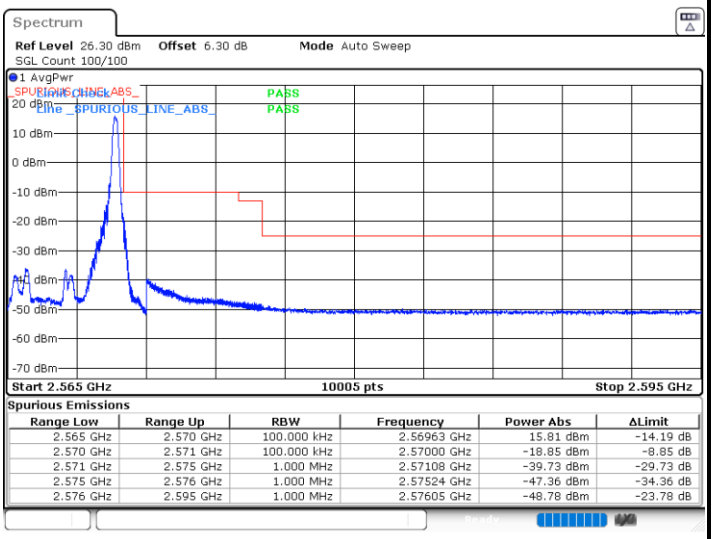


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49384 GHz	-48.73 dBm	-23.73 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49600 GHz	-46.14 dBm	-33.14 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49894 GHz	-39.51 dBm	-29.51 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49998 GHz	-19.01 dBm	-9.01 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50033 GHz	15.24 dBm	-14.76 dB

Date: 5.JUN.2024 04:23:39

Highest Band Edge / 1 RB

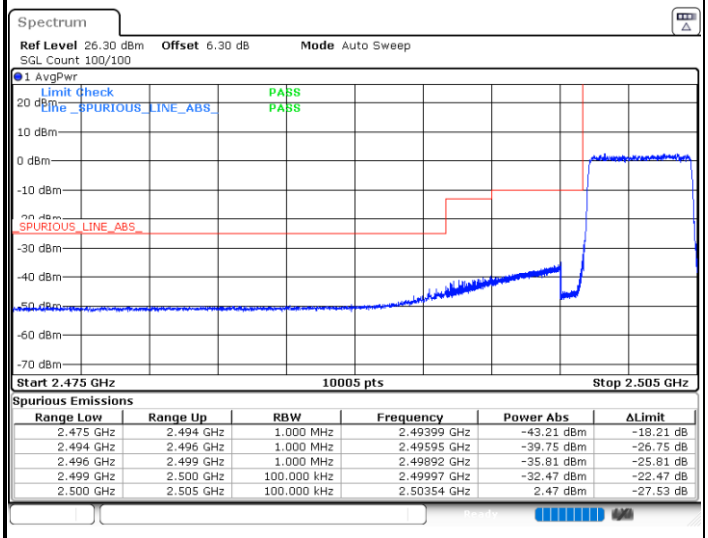


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56963 GHz	15.81 dBm	-14.19 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-18.85 dBm	-8.85 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-39.73 dBm	-29.73 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57524 GHz	-47.36 dBm	-34.36 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57605 GHz	-48.78 dBm	-23.78 dB

Date: 5.JUN.2024 04:33:33

Lowest Band Edge / Full RB

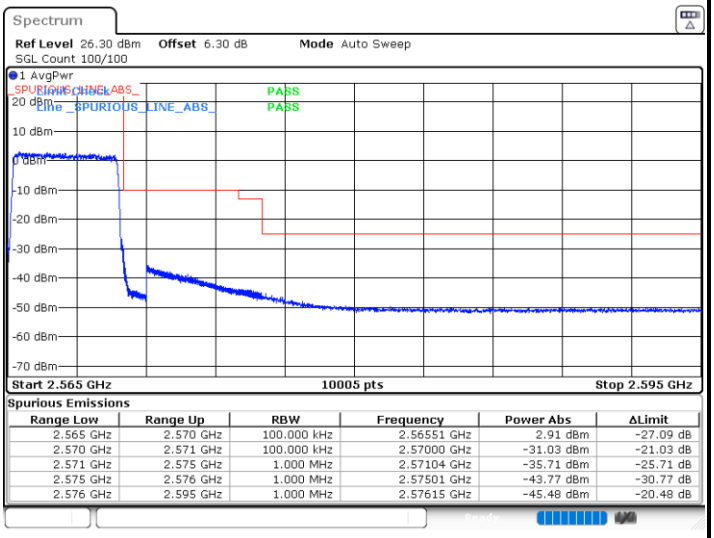


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49399 GHz	-43.21 dBm	-18.21 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49595 GHz	-39.75 dBm	-26.75 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-35.81 dBm	-25.81 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49997 GHz	-32.47 dBm	-22.47 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50354 GHz	2.47 dBm	-27.53 dB

Date: 5.JUN.2024 04:20:12

Highest Band Edge / Full RB



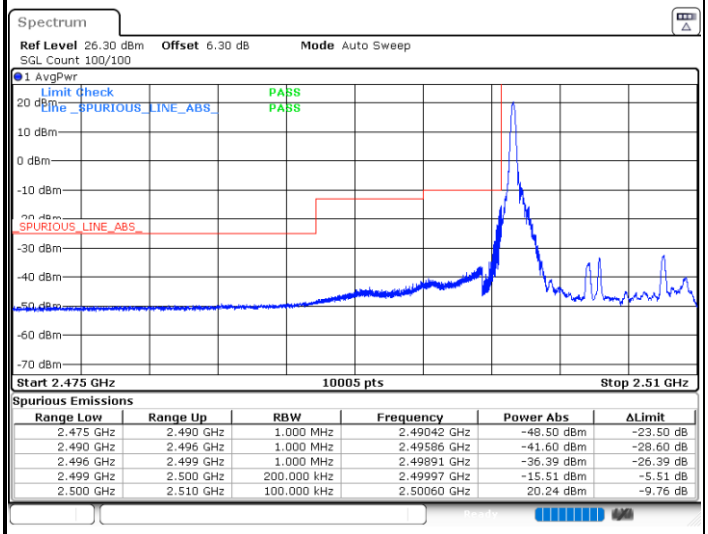
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56551 GHz	2.91 dBm	-27.09 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-31.03 dBm	-21.03 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-35.71 dBm	-25.71 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-43.77 dBm	-30.77 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57615 GHz	-45.48 dBm	-20.48 dB

Date: 5.JUN.2024 07:00:22

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

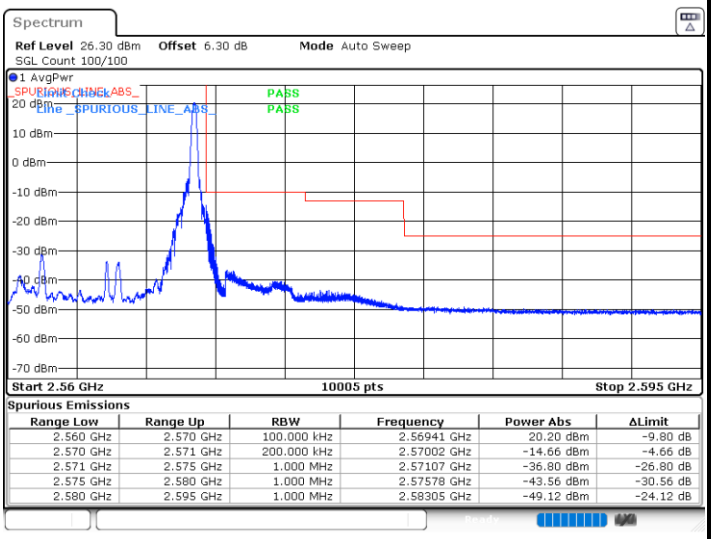


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49042 GHz	-48.50 dBm	-23.50 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49586 GHz	-41.60 dBm	-28.60 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-36.39 dBm	-26.39 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49997 GHz	-15.51 dBm	-5.51 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50060 GHz	20.24 dBm	-9.76 dB

Date: 5.JUN.2024 04:48:41

Highest Band Edge / 1 RB

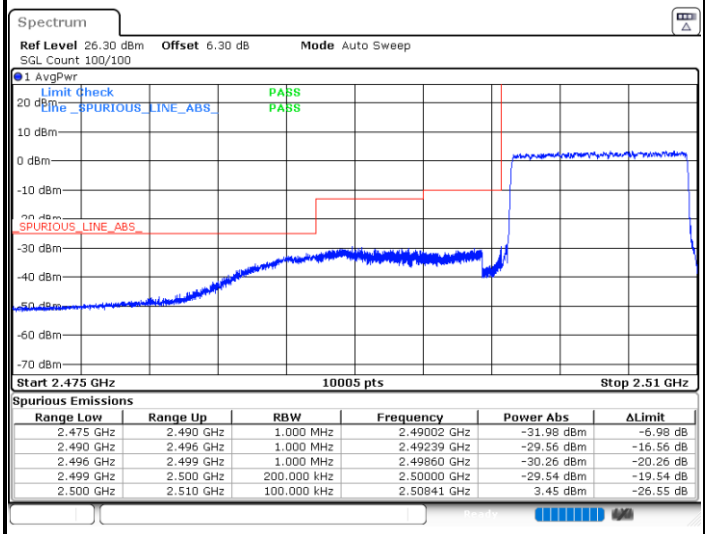


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56941 GHz	20.20 dBm	-9.80 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-14.66 dBm	-4.66 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-36.80 dBm	-26.80 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57578 GHz	-43.56 dBm	-30.56 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58305 GHz	-49.12 dBm	-24.12 dB

Date: 5.JUN.2024 05:31:53

Lowest Band Edge / Full RB

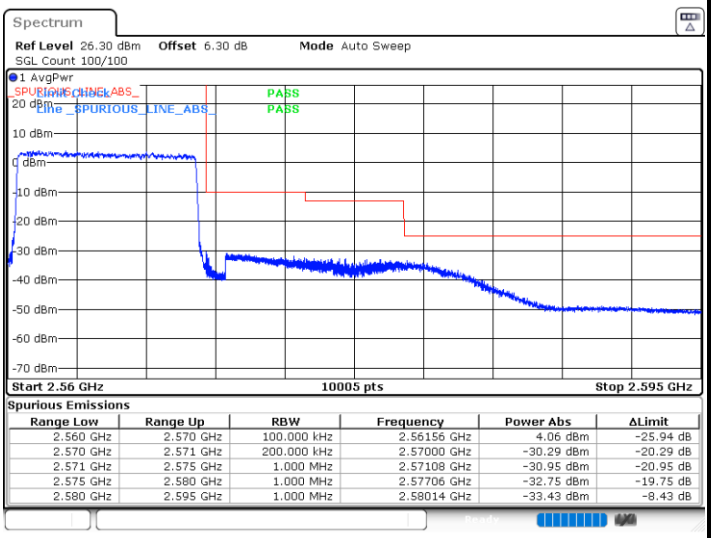


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49002 GHz	-31.98 dBm	-6.98 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49239 GHz	-29.56 dBm	-16.56 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49860 GHz	-30.26 dBm	-20.26 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-29.54 dBm	-19.54 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50841 GHz	3.45 dBm	-26.55 dB

Date: 5.JUN.2024 04:45:18

Highest Band Edge / Full RB



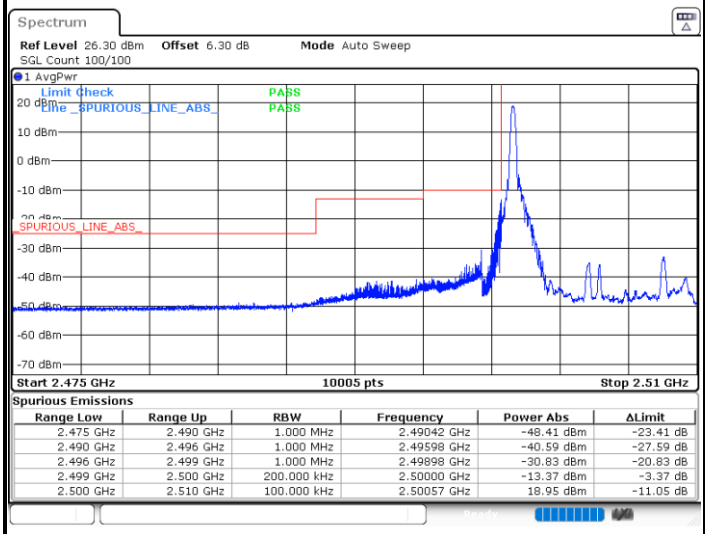
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56156 GHz	4.06 dBm	-25.94 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-30.29 dBm	-20.29 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-30.95 dBm	-20.95 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57706 GHz	-32.75 dBm	-19.75 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58014 GHz	-33.43 dBm	-8.43 dB

Date: 5.JUN.2024 05:35:16

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

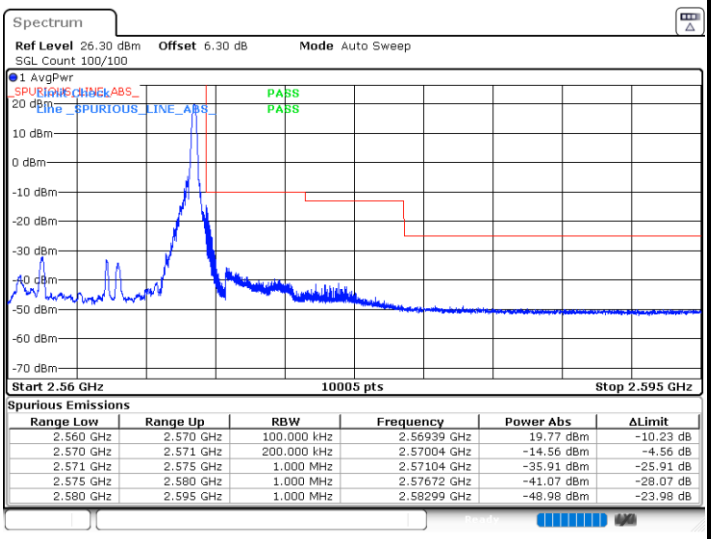


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49042 GHz	-48.41 dBm	-23.41 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49598 GHz	-40.59 dBm	-27.59 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-30.83 dBm	-20.83 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-13.37 dBm	-3.37 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50057 GHz	18.95 dBm	-11.05 dB

Date: 5.JUN.2024 04:49:35

Highest Band Edge / 1 RB

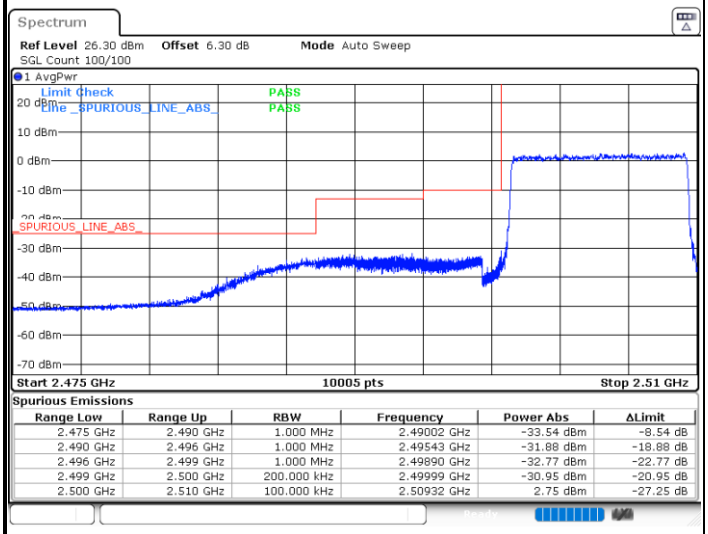


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	19.77 dBm	-10.23 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57004 GHz	-14.56 dBm	-4.56 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-35.91 dBm	-25.91 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57672 GHz	-41.07 dBm	-28.07 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58299 GHz	-48.98 dBm	-23.98 dB

Date: 5.JUN.2024 05:32:45

Lowest Band Edge / Full RB

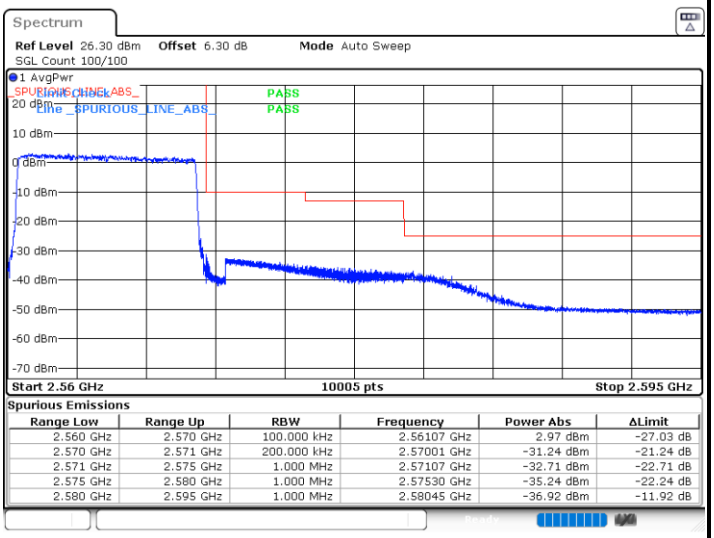


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49002 GHz	-33.54 dBm	-8.54 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49543 GHz	-31.88 dBm	-18.88 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-32.77 dBm	-22.77 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-30.95 dBm	-20.95 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50932 GHz	2.75 dBm	-27.25 dB

Date: 5.JUN.2024 04:46:09

Highest Band Edge / Full RB



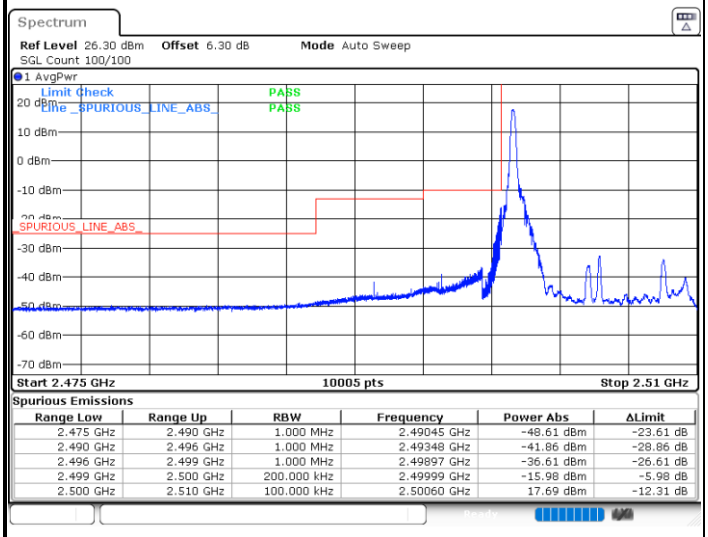
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56107 GHz	2.97 dBm	-27.03 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-31.24 dBm	-21.24 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-32.71 dBm	-22.71 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57530 GHz	-35.24 dBm	-22.24 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58045 GHz	-36.92 dBm	-11.92 dB

Date: 5.JUN.2024 05:36:06

LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

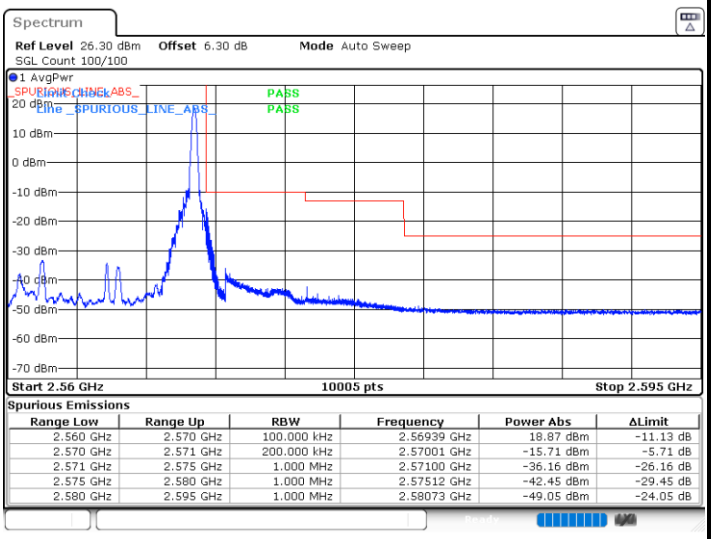


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49045 GHz	-48.61 dBm	-23.61 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49348 GHz	-41.86 dBm	-28.86 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-36.61 dBm	-26.61 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-15.98 dBm	-5.98 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50060 GHz	17.69 dBm	-12.31 dB

Date: 5.JUN.2024 04:50:25

Highest Band Edge / 1 RB

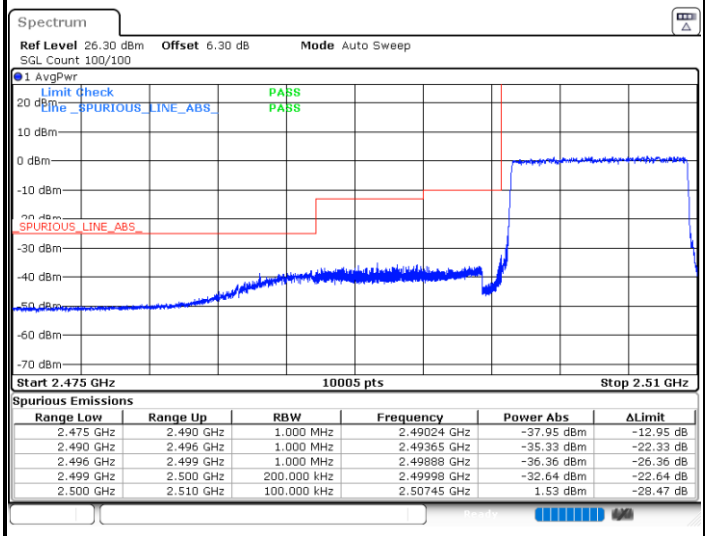


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	18.87 dBm	-11.13 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-15.71 dBm	-5.71 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-36.16 dBm	-26.16 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57512 GHz	-42.45 dBm	-29.45 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58073 GHz	-49.05 dBm	-24.05 dB

Date: 5.JUN.2024 05:33:36

Lowest Band Edge / Full RB

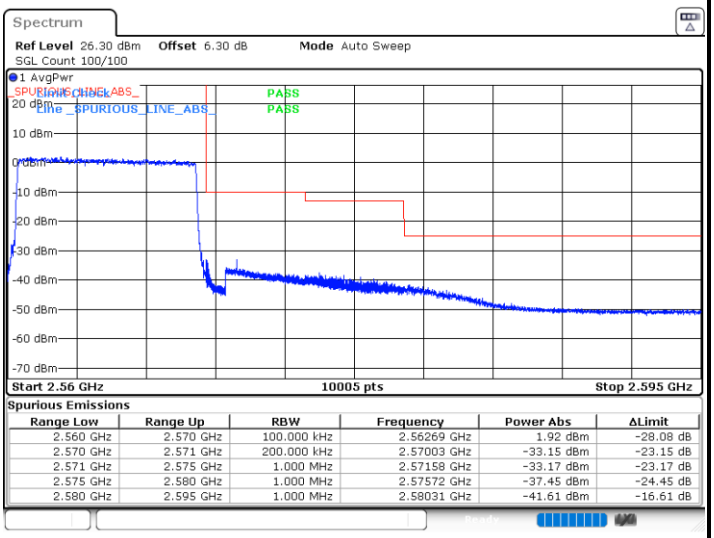


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49024 GHz	-37.95 dBm	-12.95 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49365 GHz	-35.33 dBm	-22.33 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49888 GHz	-36.36 dBm	-26.36 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-32.64 dBm	-22.64 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50745 GHz	1.53 dBm	-28.47 dB

Date: 5.JUN.2024 04:47:00

Highest Band Edge / Full RB



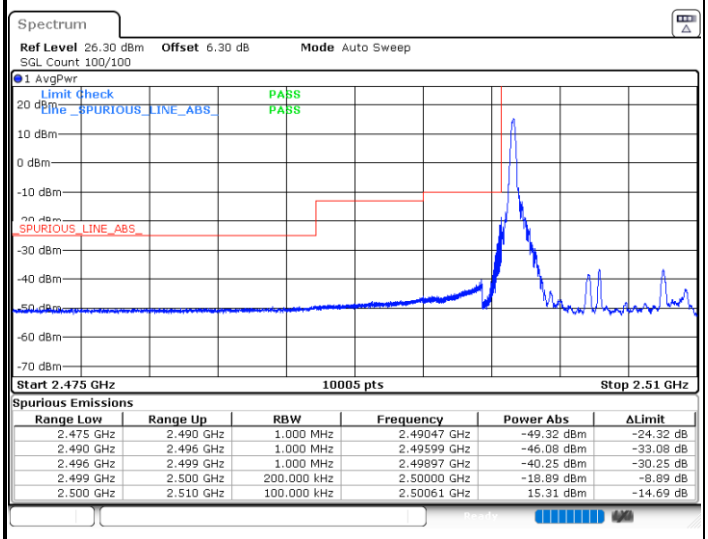
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56269 GHz	1.92 dBm	-28.08 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57003 GHz	-33.15 dBm	-23.15 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57158 GHz	-33.17 dBm	-23.17 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57572 GHz	-37.45 dBm	-24.45 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58031 GHz	-41.61 dBm	-16.61 dB

Date: 5.JUN.2024 06:56:32

LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

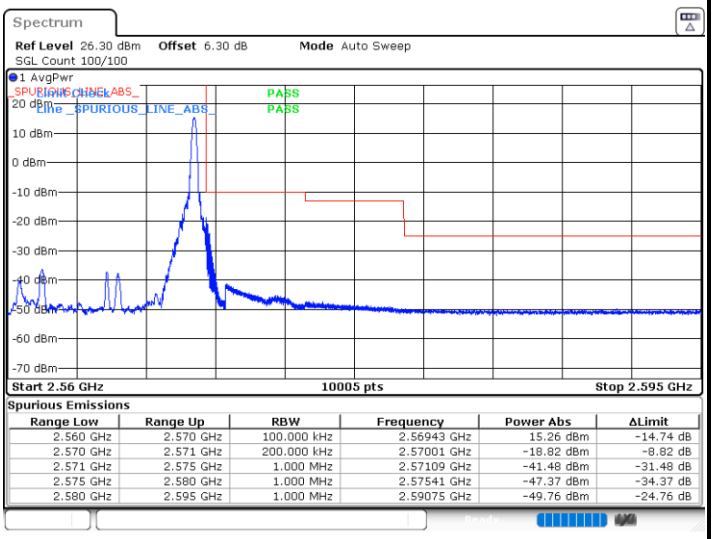


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-49.32 dBm	-24.32 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-46.08 dBm	-33.08 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-40.25 dBm	-30.25 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-18.89 dBm	-8.89 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50061 GHz	15.31 dBm	-14.69 dB

Date: 5.JUN.2024 04:51:16

Highest Band Edge / 1 RB

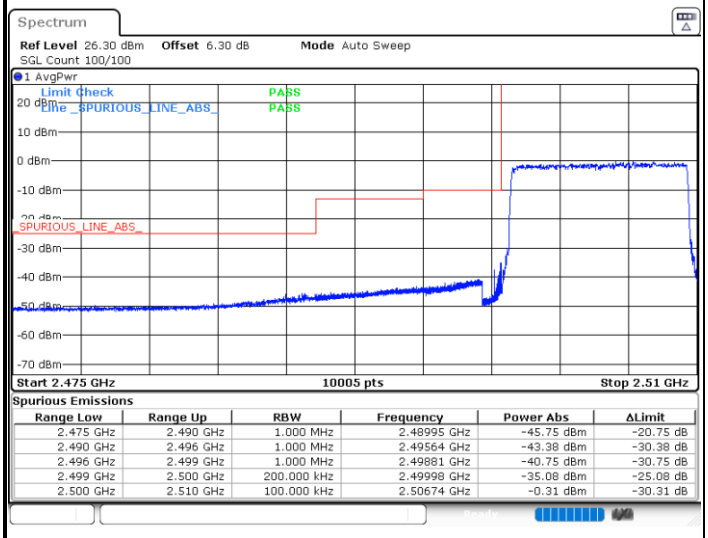


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56943 GHz	15.26 dBm	-14.74 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-18.82 dBm	-8.82 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57109 GHz	-41.48 dBm	-31.48 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57541 GHz	-47.37 dBm	-34.37 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.59075 GHz	-49.76 dBm	-24.76 dB

Date: 5.JUN.2024 05:34:25

Lowest Band Edge / Full RB

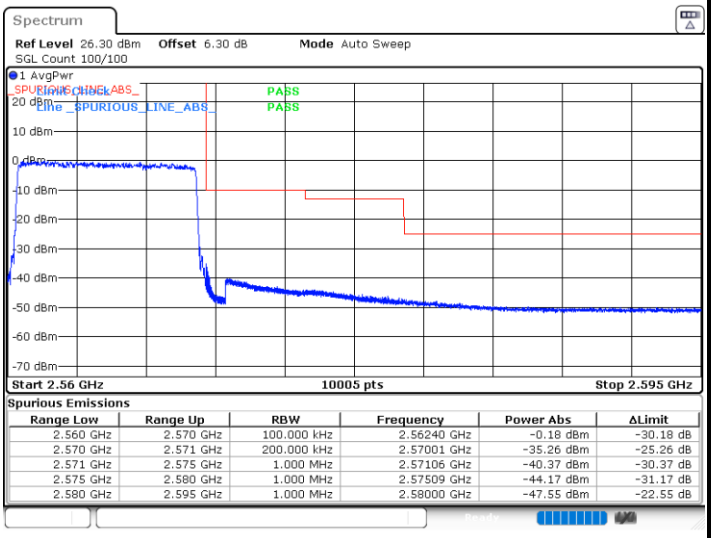


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48995 GHz	-45.75 dBm	-20.75 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49564 GHz	-43.38 dBm	-30.38 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49881 GHz	-40.75 dBm	-30.75 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-35.08 dBm	-25.08 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50674 GHz	-0.31 dBm	-30.31 dB

Date: 5.JUN.2024 04:47:50

Highest Band Edge / Full RB



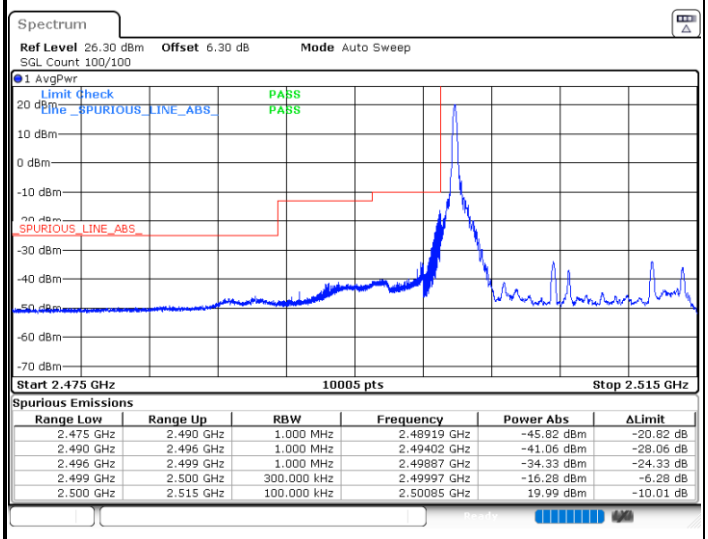
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56240 GHz	-0.18 dBm	-30.18 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-35.26 dBm	-25.26 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-40.37 dBm	-30.37 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57509 GHz	-44.17 dBm	-31.17 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58000 GHz	-47.55 dBm	-22.55 dB

Date: 5.JUN.2024 06:57:35

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

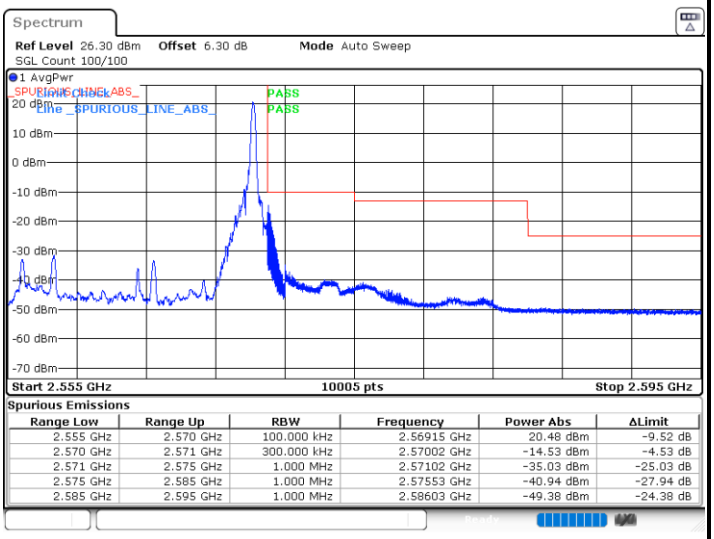


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48919 GHz	-45.82 dBm	-20.82 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49402 GHz	-41.06 dBm	-28.06 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49887 GHz	-34.33 dBm	-24.33 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49997 GHz	-16.28 dBm	-6.28 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50085 GHz	19.99 dBm	-10.01 dB

Date: 5.JUN.2024 05:43:37

Highest Band Edge / 1 RB

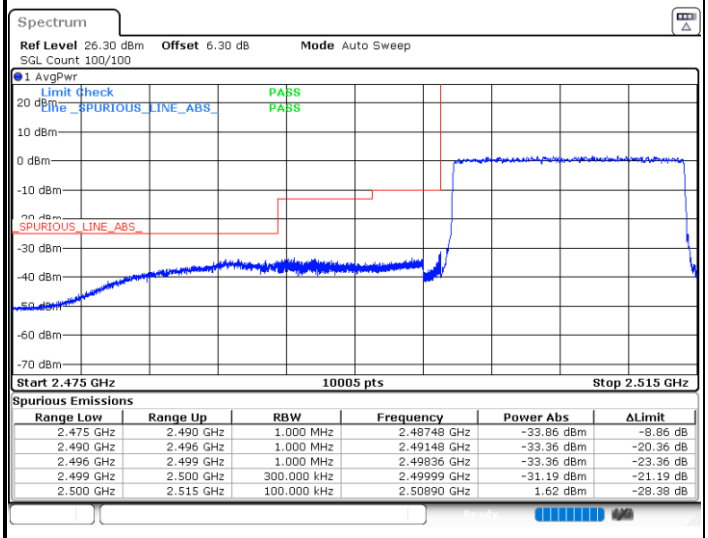


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56915 GHz	20.48 dBm	-9.52 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-14.53 dBm	-4.53 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-35.03 dBm	-25.03 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57553 GHz	-40.94 dBm	-27.94 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58603 GHz	-49.38 dBm	-24.38 dB

Date: 5.JUN.2024 05:58:28

Lowest Band Edge / Full RB

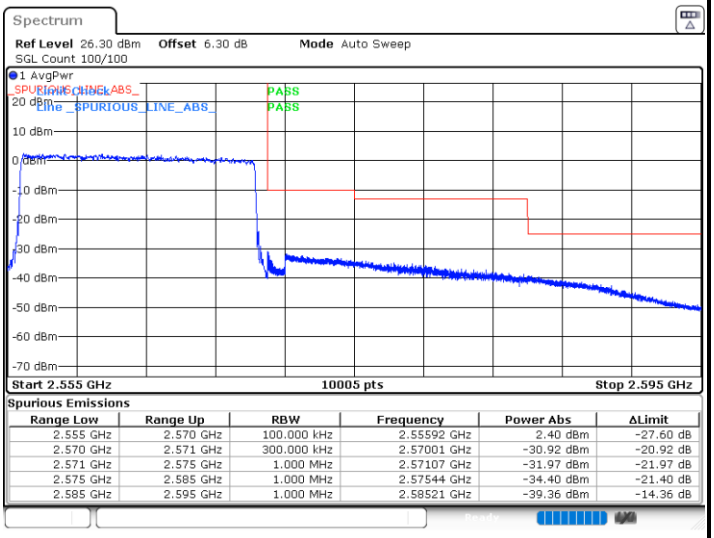


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48748 GHz	-33.86 dBm	-8.86 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49148 GHz	-33.36 dBm	-20.36 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49836 GHz	-33.36 dBm	-23.36 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-31.19 dBm	-21.19 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50890 GHz	1.62 dBm	-28.38 dB

Date: 5.JUN.2024 05:40:12

Highest Band Edge / Full RB



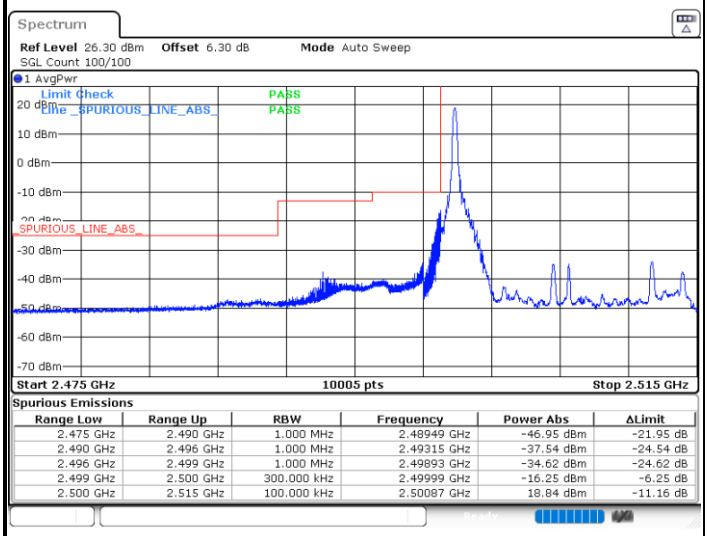
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55592 GHz	2.40 dBm	-27.60 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-30.92 dBm	-20.92 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-31.97 dBm	-21.97 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57544 GHz	-34.40 dBm	-21.40 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58521 GHz	-39.36 dBm	-14.36 dB

Date: 5.JUN.2024 06:01:52

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

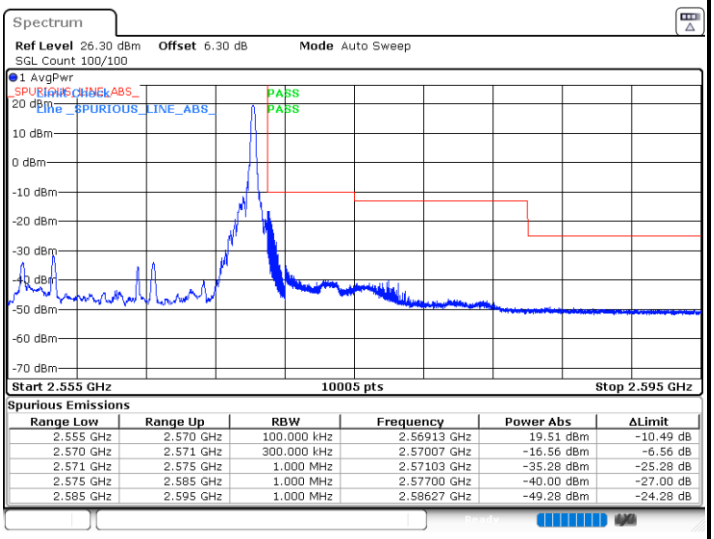


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48949 GHz	-46.95 dBm	-21.95 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49315 GHz	-37.54 dBm	-24.54 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49893 GHz	-34.62 dBm	-24.62 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-16.25 dBm	-6.25 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50087 GHz	18.84 dBm	-11.16 dB

Date: 5.JUN.2024 05:44:31

Highest Band Edge / 1 RB

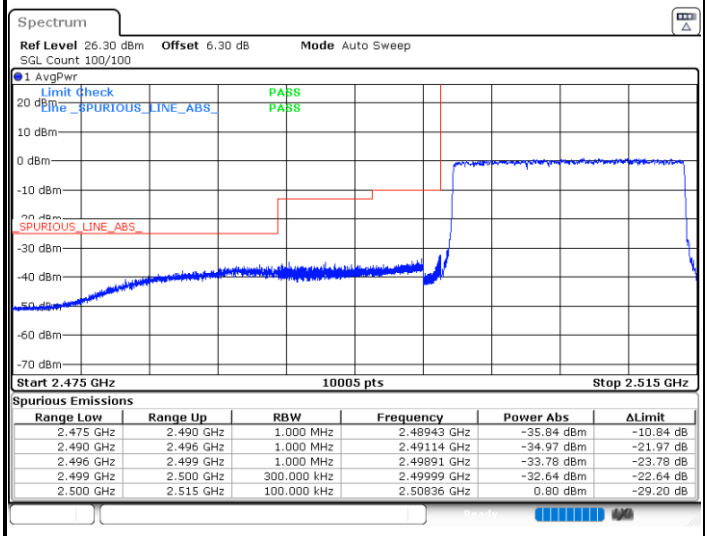


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56913 GHz	19.51 dBm	-10.49 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57007 GHz	-16.56 dBm	-6.56 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-35.28 dBm	-25.28 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57700 GHz	-40.00 dBm	-27.00 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58627 GHz	-49.28 dBm	-24.28 dB

Date: 5.JUN.2024 05:59:21

Lowest Band Edge / Full RB

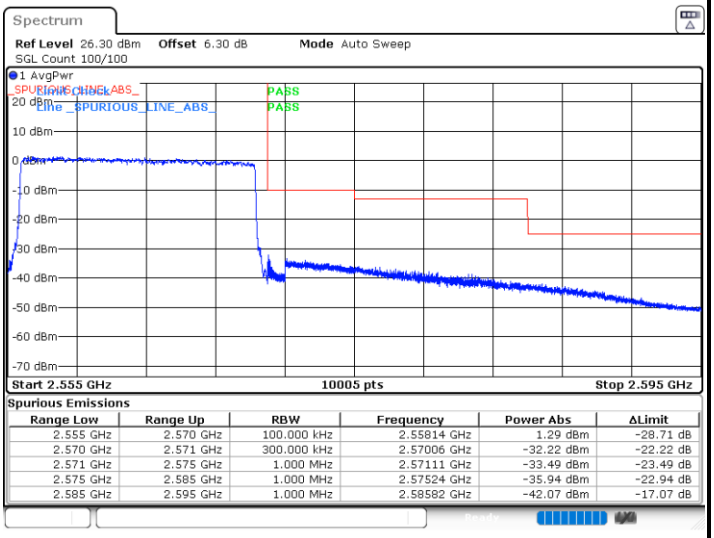


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48943 GHz	-35.84 dBm	-10.84 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49114 GHz	-34.97 dBm	-21.97 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-33.78 dBm	-23.78 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-32.64 dBm	-22.64 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50836 GHz	0.80 dBm	-29.20 dB

Date: 5.JUN.2024 05:41:04

Highest Band Edge / Full RB



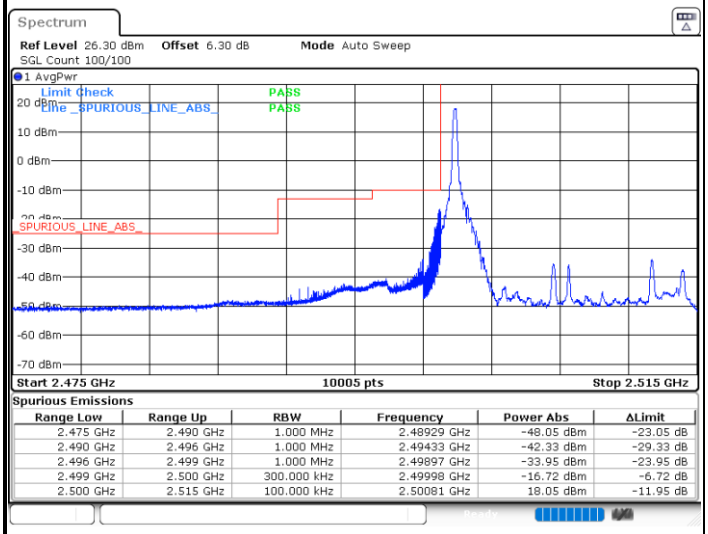
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55814 GHz	1.29 dBm	-28.71 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57006 GHz	-32.22 dBm	-22.22 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57111 GHz	-33.49 dBm	-23.49 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57524 GHz	-35.94 dBm	-22.94 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58582 GHz	-42.07 dBm	-17.07 dB

Date: 5.JUN.2024 06:02:40

LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

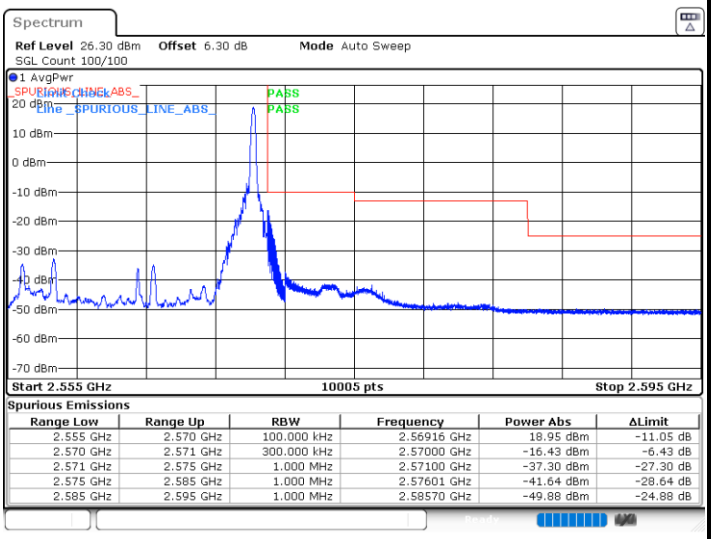


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48929 GHz	-48.05 dBm	-23.05 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49433 GHz	-42.33 dBm	-29.33 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-33.95 dBm	-23.95 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-16.72 dBm	-6.72 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50081 GHz	18.05 dBm	-11.95 dB

Date: 5.JUN.2024 05:45:22

Highest Band Edge / 1 RB

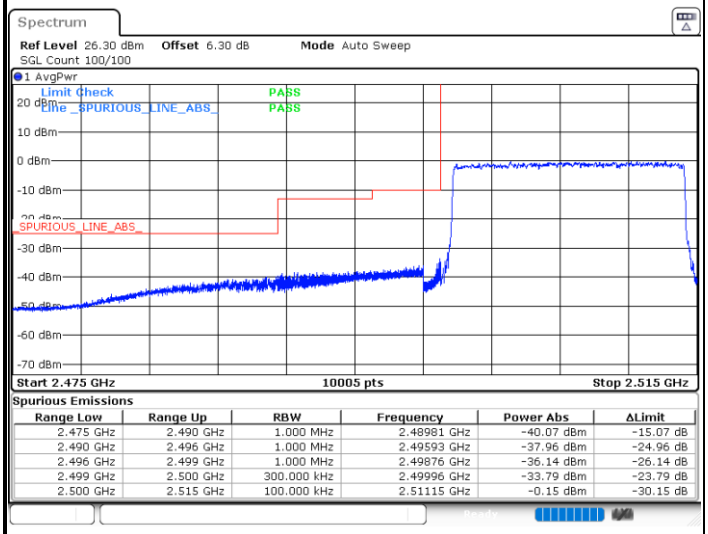


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	18.95 dBm	-11.05 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-16.43 dBm	-6.43 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-37.30 dBm	-27.30 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57601 GHz	-41.64 dBm	-28.64 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58570 GHz	-49.88 dBm	-24.88 dB

Date: 5.JUN.2024 06:00:12

Lowest Band Edge / Full RB

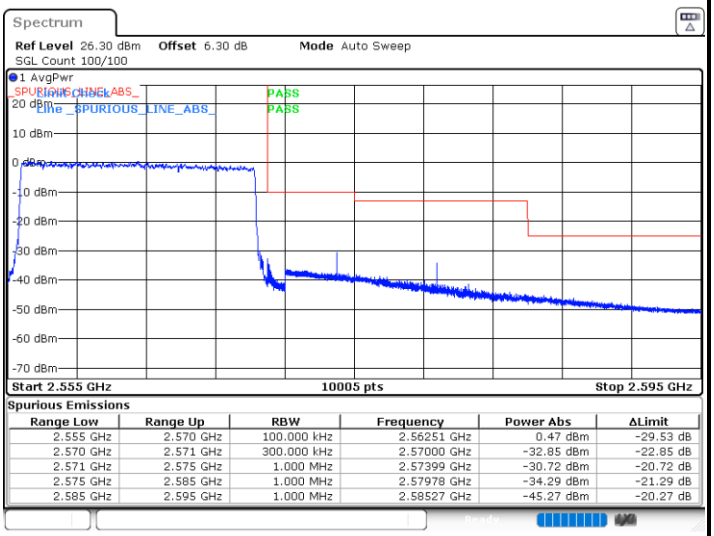


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48981 GHz	-40.07 dBm	-15.07 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49593 GHz	-37.96 dBm	-24.96 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49876 GHz	-36.14 dBm	-26.14 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49996 GHz	-33.79 dBm	-23.79 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51115 GHz	-0.15 dBm	-30.15 dB

Date: 5.JUN.2024 05:41:55

Highest Band Edge / Full RB



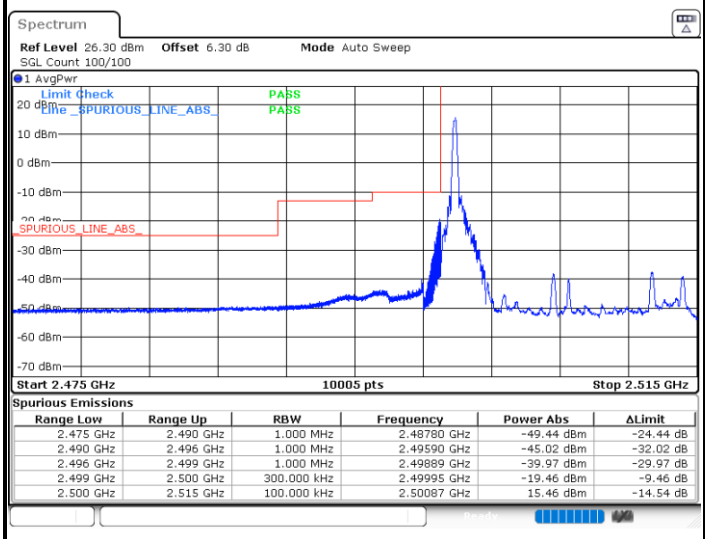
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56251 GHz	0.47 dBm	-29.53 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-32.85 dBm	-22.85 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57399 GHz	-30.72 dBm	-20.72 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57978 GHz	-34.29 dBm	-21.29 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58527 GHz	-45.27 dBm	-20.27 dB

Date: 5.JUN.2024 06:03:32

LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB

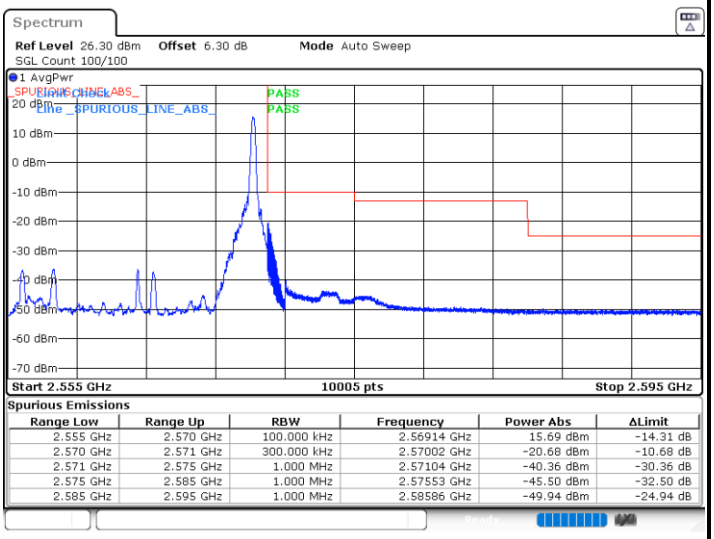


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48780 GHz	-49.44 dBm	-24.44 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49590 GHz	-45.02 dBm	-32.02 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49889 GHz	-39.97 dBm	-29.97 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49995 GHz	-19.46 dBm	-9.46 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50087 GHz	15.46 dBm	-14.54 dB

Date: 5.JUN.2024 05:46:13

Highest Band Edge / 1 RB

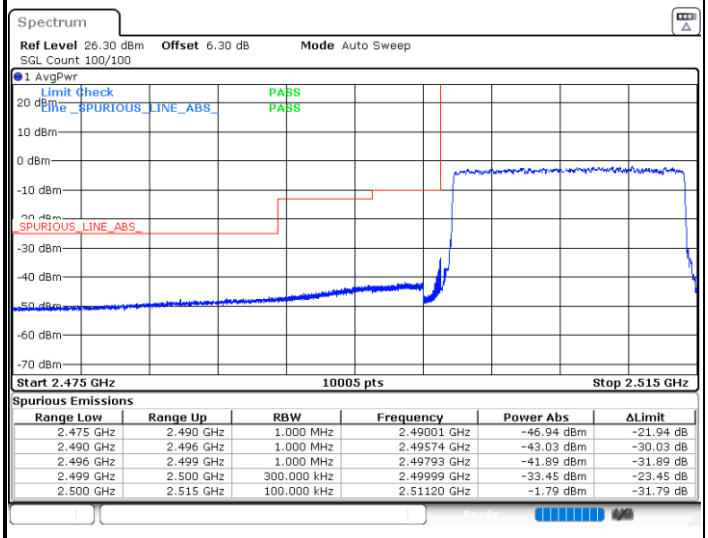


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56914 GHz	15.69 dBm	-14.31 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-20.68 dBm	-10.68 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-40.36 dBm	-30.36 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57553 GHz	-45.50 dBm	-32.50 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58586 GHz	-49.94 dBm	-24.94 dB

Date: 5.JUN.2024 06:01:03

Lowest Band Edge / Full RB

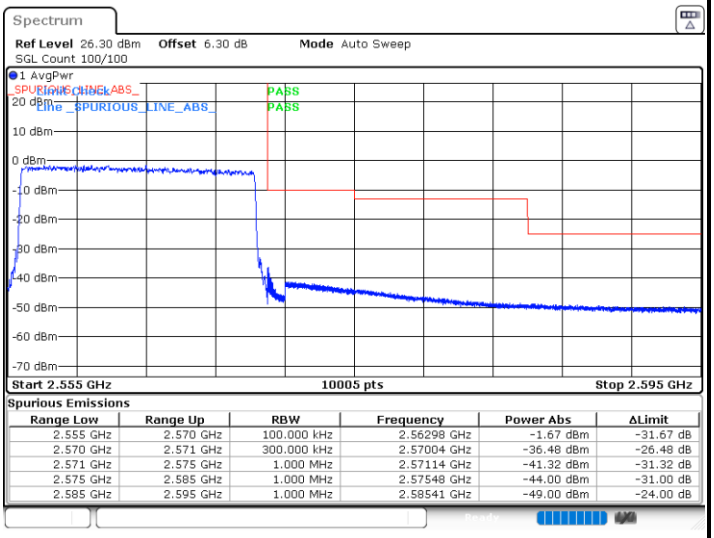


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49001 GHz	-46.94 dBm	-21.94 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49574 GHz	-43.03 dBm	-30.03 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49793 GHz	-41.89 dBm	-31.89 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-33.45 dBm	-23.45 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51120 GHz	-1.79 dBm	-31.79 dB

Date: 5.JUN.2024 05:42:46

Highest Band Edge / Full RB



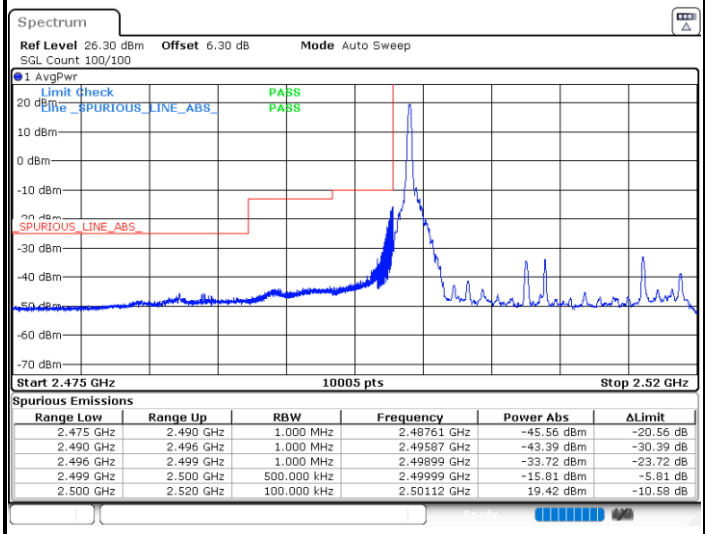
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56298 GHz	-1.67 dBm	-31.67 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57004 GHz	-36.48 dBm	-26.48 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57114 GHz	-41.32 dBm	-31.32 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57548 GHz	-44.00 dBm	-31.00 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58541 GHz	-49.00 dBm	-24.00 dB

Date: 5.JUN.2024 06:04:23

LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

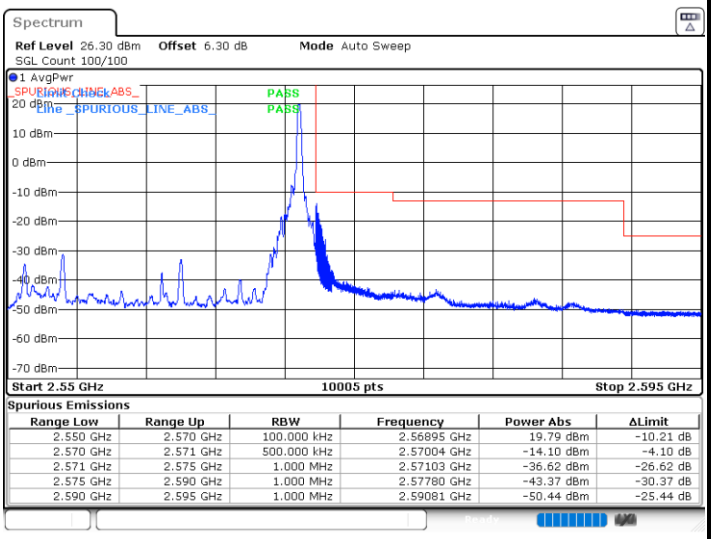


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48761 GHz	-45.56 dBm	-20.56 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49587 GHz	-43.39 dBm	-30.39 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-33.72 dBm	-23.72 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-15.81 dBm	-5.81 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50112 GHz	19.42 dBm	-10.58 dB

Date: 5.JUN.2024 06:09:26

Highest Band Edge / 1 RB

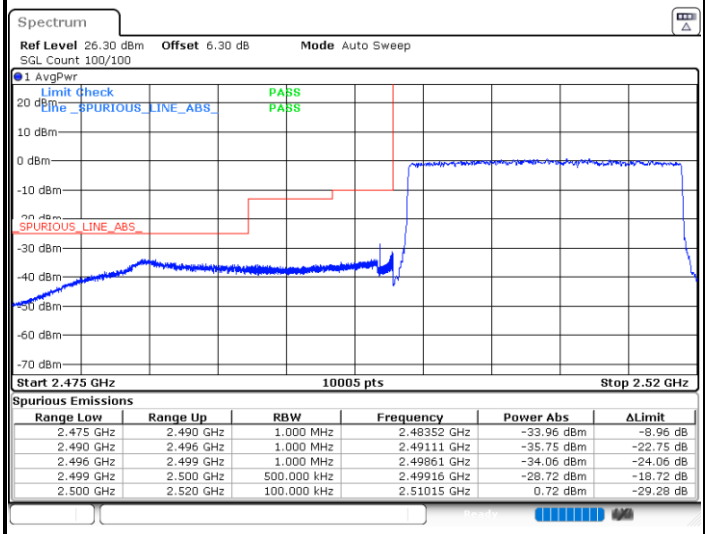


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56895 GHz	19.79 dBm	-10.21 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57004 GHz	-14.10 dBm	-4.10 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-36.62 dBm	-26.62 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57780 GHz	-43.37 dBm	-30.37 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59081 GHz	-50.44 dBm	-25.44 dB

Date: 5.JUN.2024 06:38:37

Lowest Band Edge / Full RB

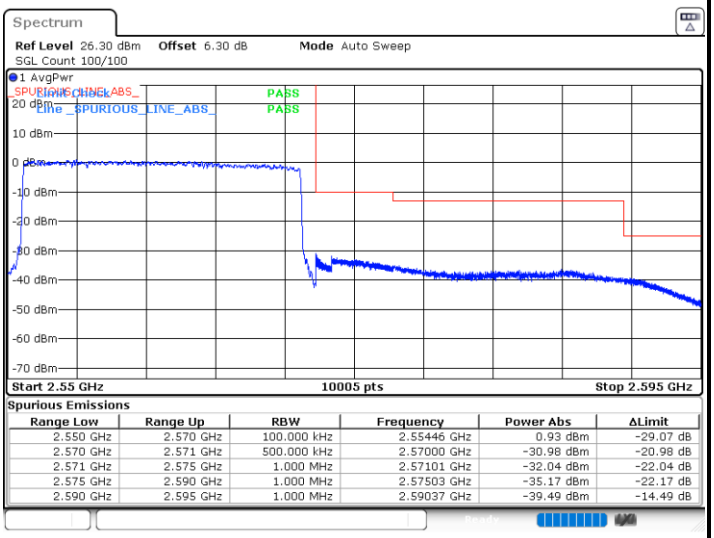


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48352 GHz	-33.96 dBm	-8.96 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49111 GHz	-35.75 dBm	-22.75 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49861 GHz	-34.06 dBm	-24.06 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49916 GHz	-28.72 dBm	-18.72 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51015 GHz	0.72 dBm	-29.28 dB

Date: 5.JUN.2024 06:06:01

Highest Band Edge / Full RB



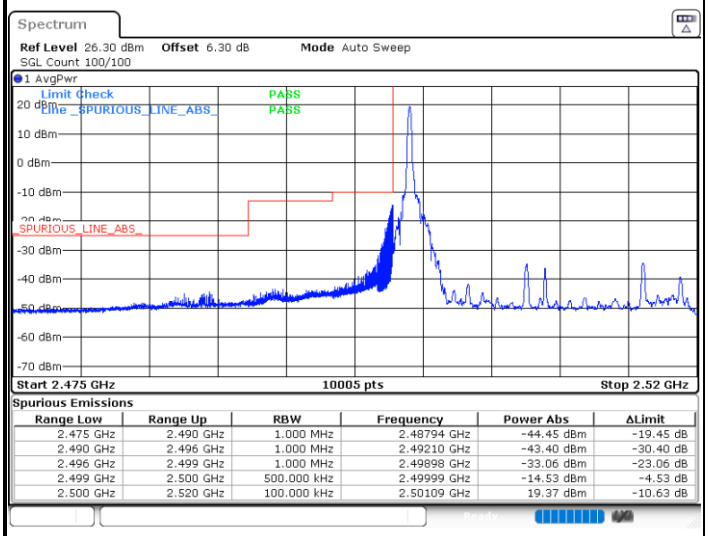
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55446 GHz	0.93 dBm	-29.07 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-30.98 dBm	-20.98 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-32.04 dBm	-22.04 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57503 GHz	-35.17 dBm	-22.17 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59037 GHz	-39.49 dBm	-14.49 dB

Date: 5.JUN.2024 06:49:41

LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

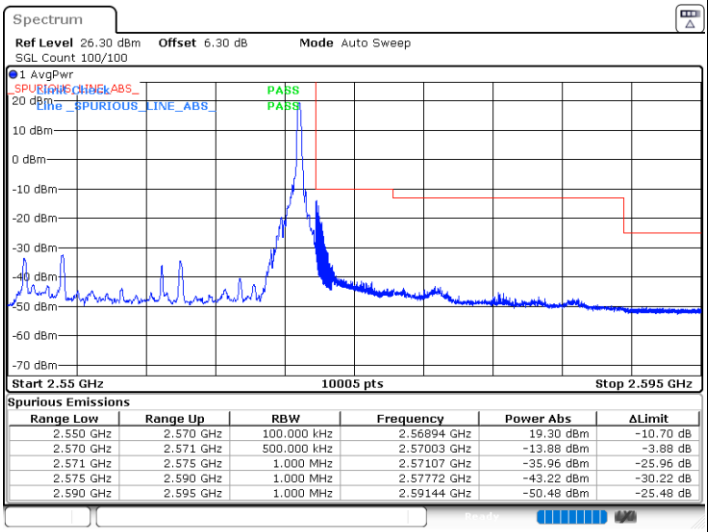


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48794 GHz	-44.45 dBm	-19.45 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49210 GHz	-43.40 dBm	-30.40 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-33.06 dBm	-23.06 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-14.53 dBm	-4.53 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50109 GHz	19.37 dBm	-10.63 dB

Date: 5.JUN.2024 06:10:20

Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56894 GHz	19.30 dBm	-10.70 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57003 GHz	-13.88 dBm	-3.88 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-35.96 dBm	-25.96 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57772 GHz	-43.22 dBm	-30.22 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59144 GHz	-50.48 dBm	-25.48 dB

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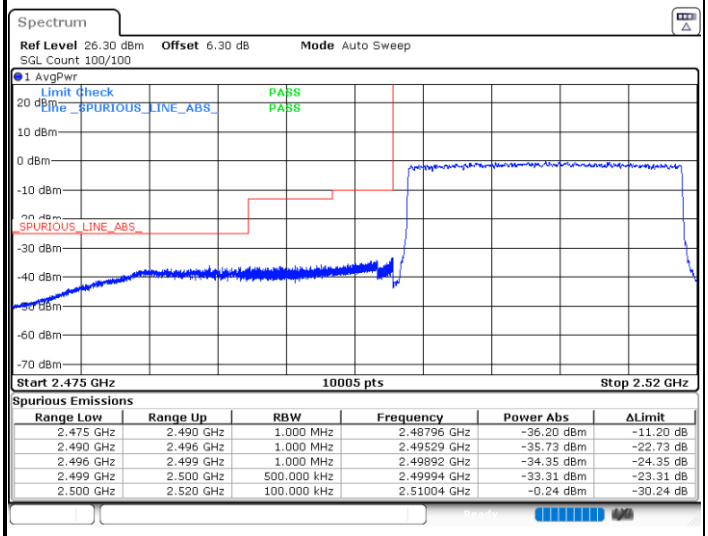
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48796 GHz	-36.20 dBm	-11.20 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49529 GHz	-35.73 dBm	-22.73 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-34.35 dBm	-24.35 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49994 GHz	-33.31 dBm	-23.31 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51004 GHz	-0.24 dBm	-30.24 dB

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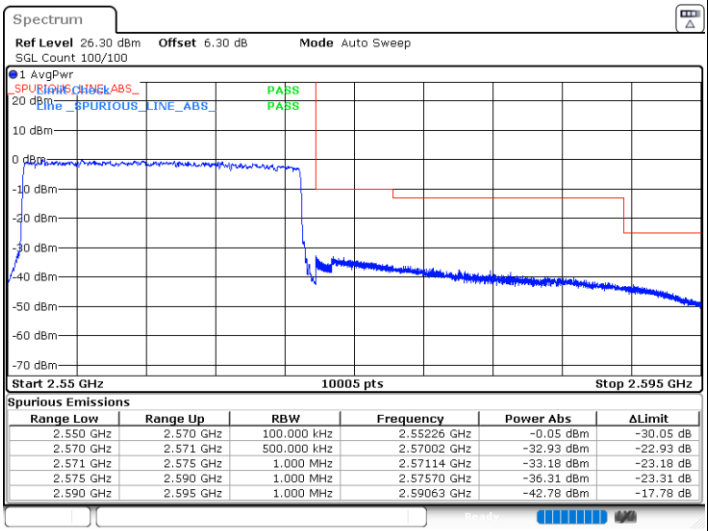
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55226 GHz	-0.05 dBm	-30.05 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-32.93 dBm	-22.93 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57114 GHz	-33.18 dBm	-23.18 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57570 GHz	-36.31 dBm	-23.31 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59063 GHz	-42.78 dBm	-17.78 dB

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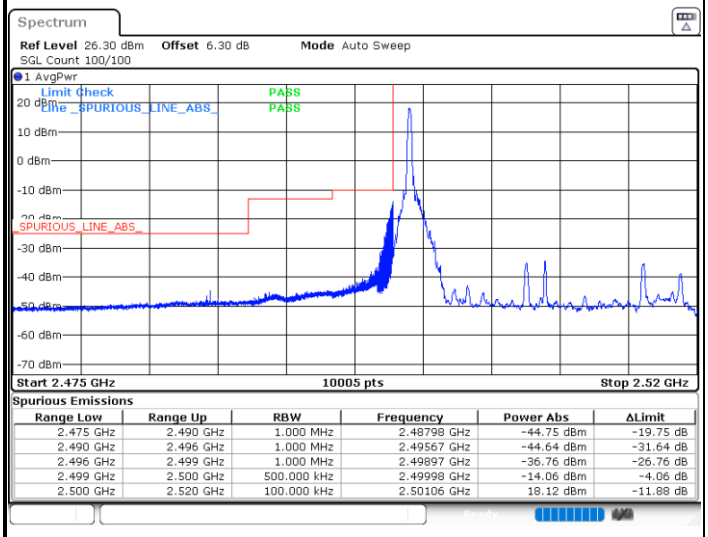
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48798 GHz	-44.75 dBm	-19.75 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49567 GHz	-44.64 dBm	-31.64 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49897 GHz	-36.76 dBm	-26.76 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-14.06 dBm	-4.06 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50106 GHz	18.12 dBm	-11.88 dB

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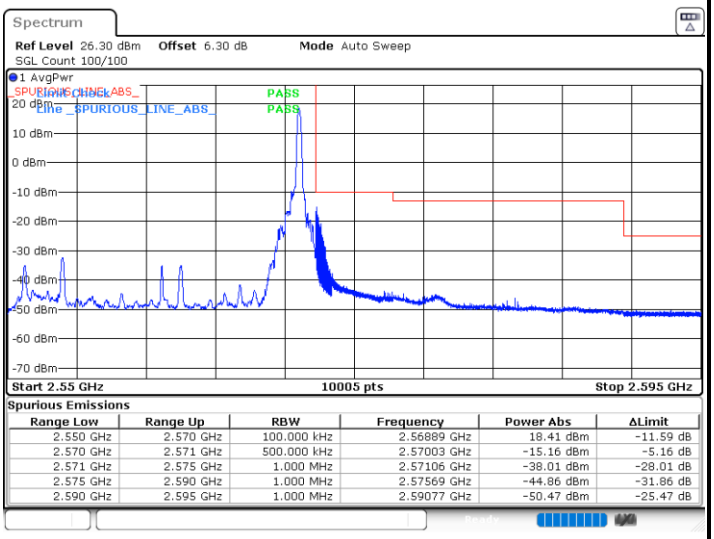
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56889 GHz	18.41 dBm	-11.59 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57003 GHz	-15.16 dBm	-5.16 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-38.01 dBm	-28.01 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57569 GHz	-44.86 dBm	-31.86 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59077 GHz	-50.47 dBm	-25.47 dB

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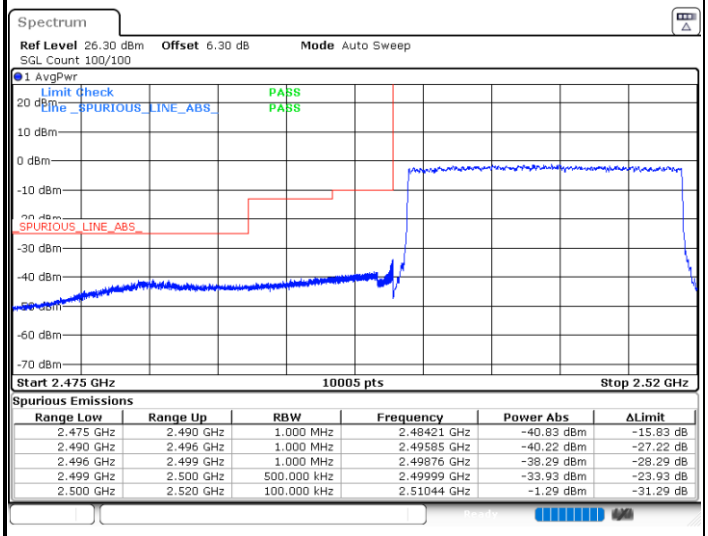
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48421 GHz	-40.83 dBm	-15.83 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49585 GHz	-40.22 dBm	-27.22 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49876 GHz	-38.29 dBm	-28.29 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-33.93 dBm	-23.93 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51044 GHz	-1.29 dBm	-31.29 dB

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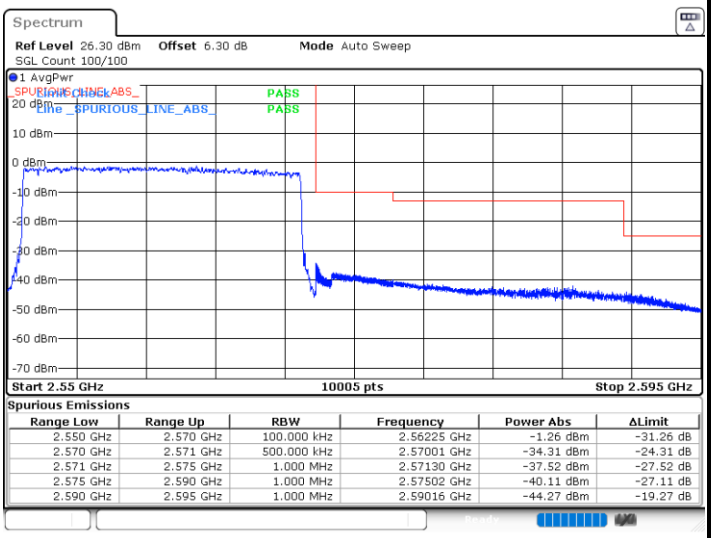
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56225 GHz	-1.26 dBm	-31.26 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-34.31 dBm	-24.31 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57130 GHz	-37.52 dBm	-27.52 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57502 GHz	-40.11 dBm	-27.11 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59016 GHz	-44.27 dBm	-19.27 dB

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