FCC RF Test Report

FCC ID	:	**UZ7WCMTB**
Equipment	:	**Touch Computer**
Brand Name	:	**Zebra**
Model Name	:	**WCMTB**
Applicant	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
Manufacturer	:	**Zebra Technologies Corporation 1 Zebra Plaza, Holtsville, NY 11742**
STANDARD	:	**47 CFR Part 2, 27(M)**
CLASSIFICATION	:	**PCS Licensed Transmitter Held to Ear (PCE)**
TEST DATE(S)	:	**Feb. 07, 2023 ~ Feb. 24, 2023**

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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APPENDIX A. TEST RESULTS OF CONDUCTED TEST

APPENDIX B. TEST RESULTS OF RADIATED TEST

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG311601C	Rev. 01	Initial issue of report	Apr. 03, 2023

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 26.26 dB at 7580.000 MHz

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1. General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Touch Computer
Brand Name	Zebra
Model Name	WCMTB
Sample 1	Scanner(SE4710)
Sample 2	Scanner(SE5500)
FCC ID	UZ7WCMTB
HW Version	DV
SW Version	13-09-16.00-TG-U00-STD-ATH-04
MFD	16MAR23
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are two types of EUT: the main difference between them is that the scanner model is different. According to the difference, we choose sample 1 with Battery 1 to perform full test.

Specification of Accessory				
Battery1	**Brand Name**	Zebra	**Model Number**	BT-000473

Supported Unit used in test configuration and system				
Battery2	**Brand Name**	Zebra	**Model Number**	BT-000473B
Battery3	**Brand Name**	Zebra	**Model Number**	BT-000473E
AC Adapter	**Brand Name**	Zebra	**Part Number**	PWR-WUA5V12W0US
Earphone 1	**Brand Name**	Zebra	**Part Number**	HDST-35MM-PTT1-01
Earphone 2	**Brand Name**	Zebra	**Part Number**	HDST-USBC-PTT1-01
USB Cable (Type C to Type A)	**Brand Name**	Zebra	**Part Number**	CBL-TC5X-USBC2A-01
Type C-Audio Cable (Type C to 3.5mm)	**Brand Name**	Zebra	**Part Number**	ADP-USBC-35MM1-01
Trigger Handle	**Brand Name**	Zebra	**Part Number**	TRG-TC2L-SNP1-01
Hand Strap	**Brand Name**	Zebra	**Part Number**	SG-TC2L-HSTRP1-01
Soft Holster	**Brand Name**	Zebra	**Part Number**	SG-TC2L-HLSTR1-01

1.2 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	**<Ant. 2>** LTE Band 7 : 23.95 dBm; LTE Band 7C : 23.74 dBm LTE Band 38 : 23.13 dBm; LTE Band 38C : 22.90 dBm LTE Band 41 : 23.16 dBm; LTE Band 41C : 22.94 dBm
Antenna Gain	**<Ant. 2>** LTE Band 7 : 0.9 dBi LTE Band 38 : 0.9 dBi LTE Band 41 : 0.9 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note:

1. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power.
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

1.3 Modification of EUT

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

1.4 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	0.3020	4M50G7D	0.2377	4M49W7D
10	2505.0 ~ 2565.0	0.2972	9M07G7D	0.2360	9M01W7D
15	2507.5 ~ 2562.5	0.3006	13M5G7D	0.2366	13M5W7D
20	2510.0 ~ 2560.0	0.3055	17M9G7D	0.2404	17M9W7D
LTE Band 38		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2572.5 ~ 2617.5	0.2449	4M51G7D	0.1963	4M51W7D
10	2575.0 ~ 2615.0	0.2512	9M09G7D	0.1959	9M05W7D
15	2577.5 ~ 2612.5	0.2483	13M5G7D	0.1963	13M5W7D
20	2580.0 ~ 2610.0	0.2529	17M9G7D	0.2009	17M9W7D
LTE Band 41		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2498.5 ~ 2687.5	0.2472	4M51G7D	0.1954	4M51W7D
10	2501.0 ~ 2685.0	0.2489	9M09G7D	0.1950	9M05W7D
15	2503.5 ~ 2682.5	0.2512	13M5G7D	0.1905	13M5W7D
20	2506.0 ~ 2680.0	0.2547	17M9G7D	0.1968	17M9W7D
LTE Band 7 CA		QPSK		16QAM/64QAM/256QAM	
BW (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10MHz+20MHz		0.2904	27M8G7D	0.2259	27M6W7D
15MHz+15MHz		0.2877	28M5G7D	0.2307	28M7W7D
15MHz+20MHz		0.2851	32M9G7D	0.2382	32M7W7D
15MHz+10MHz		0.2904	23M5G7D	0.2286	23M3W7D
20MHz+10MHz		0.2825	28M1G7D	0.2270	27M7W7D
20MHz+15MHz		0.2891	33M1G7D	0.2323	32M8W7D
20MHz+20MHz		0.2911	37M6G7D	0.2393	37M6W7D

LTE Band 38 CA	QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
15MHz+15MHz	0.2360	28M7G7D	0.1824	28M5W7D
20MHz+20MHz	0.2399	37M6G7D	0.1897	37M6W7D
LTE Band 41 CA	**QPSK**		**16QAM/64QAM/256QAM**	
BW (MHz)	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**
5MHz+20MHz	0.2388	23M2G7D	0.1875	23M3W7D
10MHz+20MHz	0.2208	28M2G7D	0.1832	27M8W7D
10MHz+15MHz	0.2254	23M5G7D	0.1816	23M5W7D
15MHz+15MHz	0.2307	28M7G7D	0.1875	28M5W7D
15MHz+20MHz	0.2286	32M9G7D	0.1845	32M9W7D
15MHz+10MHz	0.2234	23M4G7D	0.1782	23M5W7D
20MHz+5MHz	0.2350	23M4G7D	0.1845	23M4W7D
20MHz+10MHz	0.2323	28M1G7D	0.1892	28M2W7D
20MHz+15MHz	0.2265	32M9G7D	0.1837	32M9W7D
20MHz+20MHz	0.2421	37M6G7D	0.1954	37M6W7D

Note:

1. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.
2. 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.
3. LTE Band 41C overlaps the entire frequency range of LTE Band 38C. Therefore, the test results provided in this report covers Band 41C as well as Band 38C.

1.5 Testing Location

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

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-KS TH01-KS	CN1257	314309

1.6 Test Software

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

1.7 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:

3. All test items were verified and recorded according to the standards and without any deviation during the test.

4. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2. Test Configuration of Equipment Under Test

2.1 Test Mode

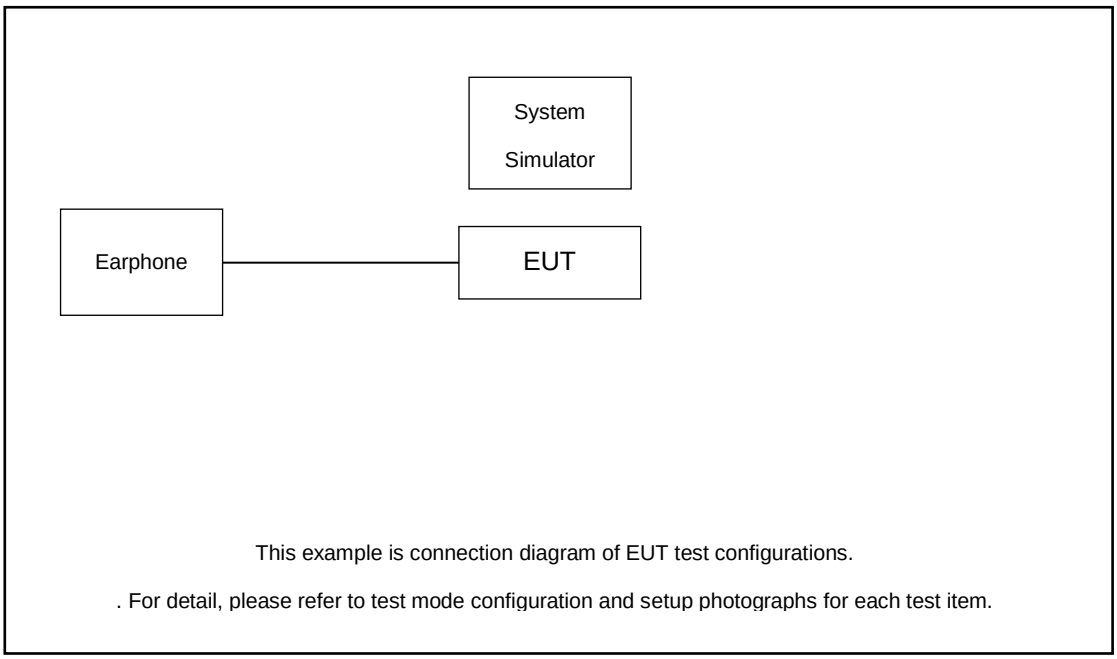
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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

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

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

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820/8821	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 6.0 dB.

Example :

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

= 6.0 (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

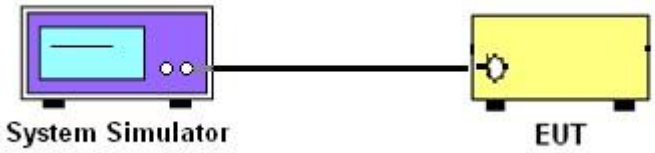
3. Conducted Test Items

3.1 Measuring Instruments

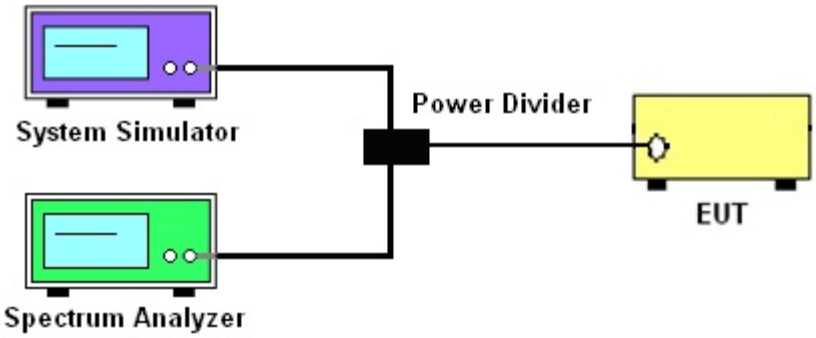
See list of measuring instruments of this test report.

3.2 Test Setup

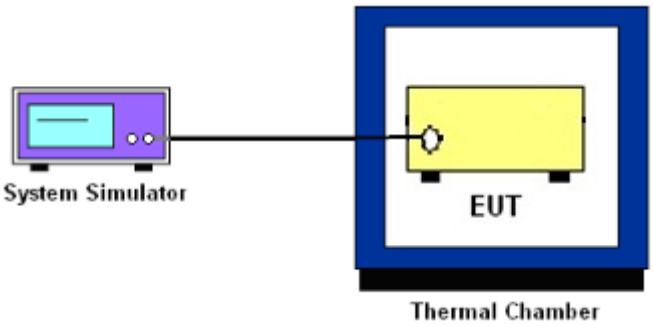
3.2.1 Conducted Output Power



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.

3.5 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 or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
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 10th harmonic.

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
11. For Band 7, 38, 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. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

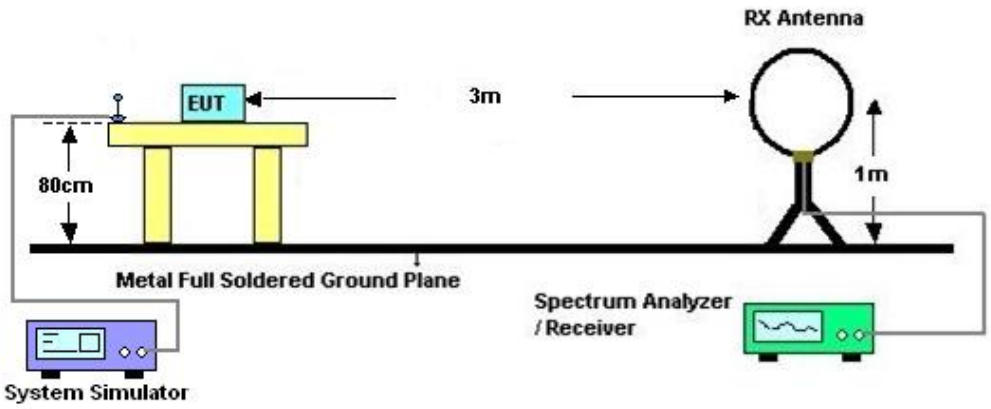
4. Radiated Test Items

4.1 Measuring Instruments

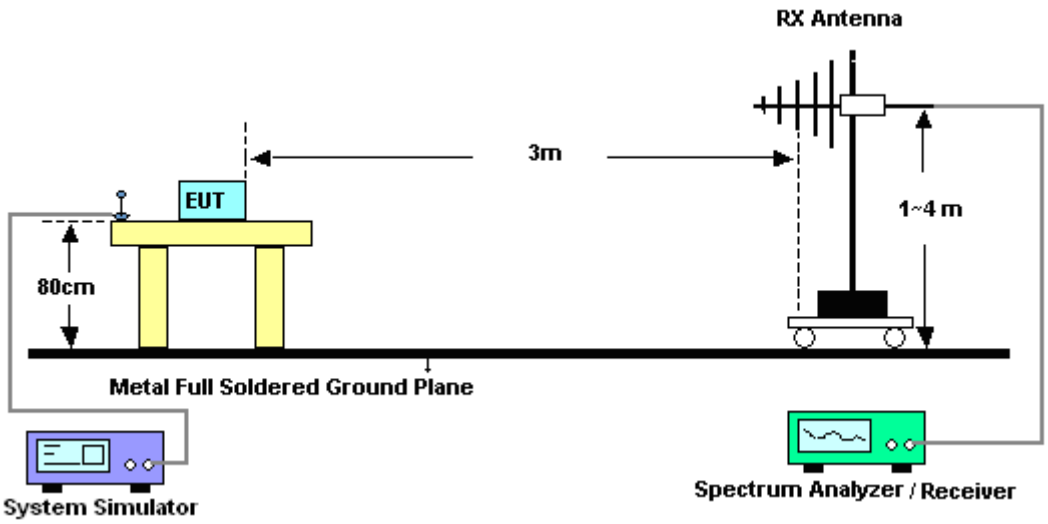
See list of measuring instruments of this test report.

4.2 Test Setup

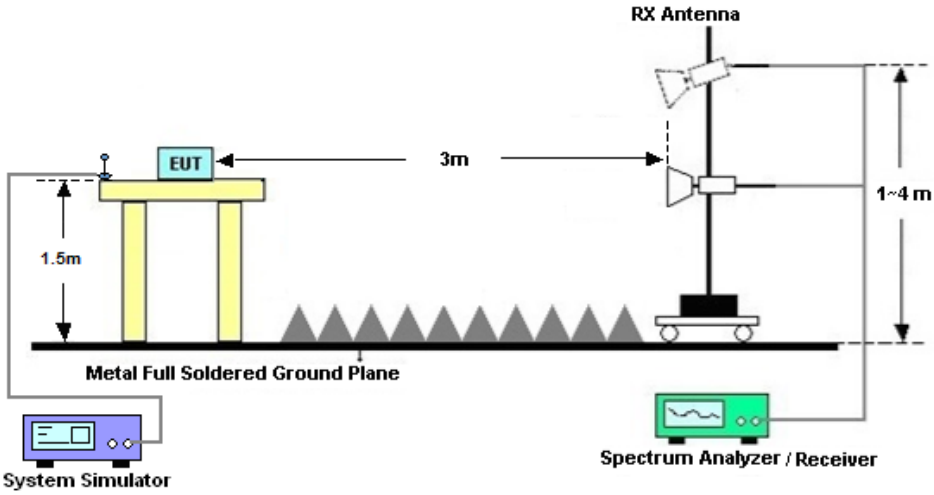
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

For Band 7, 38, 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. 12, 2022	Feb. 07, 2023~ Feb. 24, 2023	Oct. 11, 2023	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Feb. 07, 2023~ Feb. 24, 2023	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 15, 2022	Feb. 07, 2023~ Feb. 24, 2023	Jul. 14, 2023	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz-44G,MAX 30dB	Oct. 12, 2022	Feb. 13, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 16, 2022	Feb. 13, 2023	Oct. 15, 2023	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 24, 2022	Feb. 13, 2023	May 23, 2023	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1284	1GHz~18GHz	Jan. 04, 2023	Feb. 13, 2023	Jan. 03, 2024	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 08, 2023	Feb. 13, 2023	Jan. 07, 2024	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 04, 2023	Feb. 13, 2023	Jan. 03, 2024	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18GA	060840	1Ghz-18Ghz	Oct. 12, 2022	Feb. 13, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz-18Ghz	Oct. 12, 2022	Feb. 13, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 05, 2023	Feb. 13, 2023	Jan. 04, 2024	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Feb. 13, 2023	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Feb. 13, 2023	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Feb. 13, 2023	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6. Uncertainty of Evaluation

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

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±0.46 dB
Conducted Emissions	±0.48 dB
Occupied Channel Bandwidth	±0.1 %

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

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

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

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

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

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Lex Wu	Temperature :	22~23℃
		Relative Humidity :	40~42%

Conducted Output Power(Average power) and EIRP

LTE Band 7									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20850	20850	21350			
Frequency (MHz)				2510	2535	2560	L	M	H
20	QPSK	1	0	23.86	23.95	23.78	0.2992	0.3055	0.2938
20	QPSK	1	99	23.71	23.77	23.70	0.2891	0.2931	0.2884
20	QPSK	100	0	22.86	22.89	22.79	0.2377	0.2393	0.2339
20	16QAM	1	0	22.70	22.91	22.83	0.2291	0.2404	0.2360
20	64QAM	1	0	21.80	22.00	21.80	0.1862	0.1950	0.1862
20	256QAM	1	0	19.18	19.21	19.09	0.1019	0.1026	0.0998
Channel				20825	21100	21375	EIRP(W)		
Frequency (MHz)				2507.5	2535	2562.5	L	M	H
15	QPSK	1	0	23.74	23.88	23.71	0.2911	0.3006	0.2891
15	16QAM	1	0	22.57	22.84	22.69	0.2223	0.2366	0.2286
Channel				20800	21100	21400	EIRP(W)		
Frequency (MHz)				2505	2535	2565	L	M	H
10	QPSK	1	0	23.72	23.83	23.74	0.2897	0.2972	0.2911
10	16QAM	1	0	22.56	22.83	22.76	0.2218	0.2360	0.2323
Channel				20775	21100	21425	EIRP(W)		
Frequency (MHz)				2502.5	2535	2567.5	L	M	H
5	QPSK	1	0	23.74	23.90	23.66	0.2911	0.3020	0.2858
5	16QAM	1	0	22.55	22.86	22.73	0.2213	0.2377	0.2307

LTE Band 38									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	L	M	H
20	QPSK	1	0	23.05	23.13	23.07	0.2483	0.2529	0.2495
20	QPSK	1	99	22.86	23.01	22.96	0.2377	0.2460	0.2432
20	QPSK	100	0	22.03	22.14	22.00	0.1963	0.2014	0.1950
20	16QAM	1	0	21.98	22.13	21.96	0.1941	0.2009	0.1932
20	64QAM	1	0	21.00	21.22	21.20	0.1549	0.1629	0.1622
20	256QAM	1	0	18.25	18.29	18.21	0.0822	0.0830	0.0815
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	22.99	23.05	22.94	0.2449	0.2483	0.2421
15	16QAM	1	0	21.89	22.03	21.79	0.1901	0.1963	0.1858
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	22.95	23.10	22.98	0.2427	0.2512	0.2443
10	16QAM	1	0	21.85	22.02	21.84	0.1884	0.1959	0.1879
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	22.91	22.99	22.94	0.2404	0.2449	0.2421
5	16QAM	1	0	21.93	22.03	21.83	0.1919	0.1963	0.1875

LTE Band 41									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				39750	40620	41490			
Frequency (MHz)				2506	2593	2680	L	M	H
20	QPSK	1	0	22.98	23.16	23.01	0.2443	0.2547	0.2460
20	QPSK	1	99	22.82	23.06	22.92	0.2355	0.2489	0.2410
20	QPSK	100	0	21.97	22.13	21.92	0.1936	0.2009	0.1914
20	16QAM	1	0	21.82	22.04	21.90	0.1871	0.1968	0.1905
20	64QAM	1	0	21.11	21.30	21.07	0.1589	0.1660	0.1574
20	256QAM	1	0	18.20	18.27	18.24	0.0813	0.0826	0.0820
Channel				39725	40620	41515	EIRP(W)		
Frequency (MHz)				2503.5	2593	2682.5	L	M	H
15	QPSK	1	0	22.91	23.10	22.88	0.2404	0.2512	0.2388
15	16QAM	1	0	21.74	21.90	21.85	0.1837	0.1905	0.1884
Channel				39700	40620	41540	EIRP(W)		
Frequency (MHz)				2501	2593	2685	L	M	H
10	QPSK	1	0	22.93	23.06	22.95	0.2415	0.2489	0.2427
10	16QAM	1	0	21.71	22.00	21.76	0.1824	0.1950	0.1845
Channel				39675	40620	41565	EIRP(W)		
Frequency (MHz)				2498.5	2593	2687.5	L	M	H
5	QPSK	1	0	22.83	23.03	22.93	0.2360	0.2472	0.2415
5	16QAM	1	0	21.76	22.01	21.87	0.1845	0.1954	0.1892

LTE Band 7C							
Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	23.71	0.2891
M	QPSK	1	Max	1	0	23.74	0.2911
H	QPSK	1	Max	1	0	23.59	0.2812
L	16QAM	1	Max	1	0	22.74	0.2312
M	16QAM	1	Max	1	0	22.89	0.2393
H	16QAM	1	Max	1	0	22.69	0.2286
L	64QAM	1	Max	1	0	21.87	0.1892
M	64QAM	1	Max	1	0	21.93	0.1919
H	64QAM	1	Max	1	0	21.79	0.1858
L	256QAM	1	Max	1	0	19.03	0.0984
M	256QAM	1	Max	1	0	19.14	0.1009
H	256QAM	1	Max	1	0	19.19	0.1021
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	23.71	0.2891
M	16QAM	1	Max	1	0	22.76	0.2323
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	23.65	0.2851
M	16QAM	1	Max	1	0	22.87	0.2382
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	23.69	0.2877
M	16QAM	1	Max	1	0	22.73	0.2307
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	23.61	0.2825
M	16QAM	1	Max	1	0	22.66	0.2270
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	23.73	0.2904
M	16QAM	1	Max	1	0	22.64	0.2259
Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	23.73	0.2904
M	16QAM	1	Max	1	0	22.69	0.2286

LTE Band 38C							
Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.88	0.2388
M	QPSK	1	Max	1	0	22.90	0.2399
H	QPSK	1	Max	1	0	22.87	0.2382
L	16QAM	1	Max	1	0	21.79	0.1858
M	16QAM	1	Max	1	0	21.88	0.1897
H	16QAM	1	Max	1	0	21.80	0.1862
L	64QAM	1	Max	1	0	21.01	0.1552
M	64QAM	1	Max	1	0	21.08	0.1578
H	64QAM	1	Max	1	0	21.04	0.1563
L	256QAM	1	Max	1	0	18.23	0.0818
M	256QAM	1	Max	1	0	18.24	0.0820
H	256QAM	1	Max	1	0	18.19	0.0811
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	22.83	0.2360
M	16QAM	1	Max	1	0	21.71	0.1824

LTE Band 41C							
Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L	QPSK	1	Max	1	0	22.76	0.2323
M	QPSK	1	Max	1	0	22.94	0.2421
H	QPSK	1	Max	1	0	22.87	0.2382
L	16QAM	1	Max	1	0	21.83	0.1875
M	16QAM	1	Max	1	0	22.01	0.1954
H	16QAM	1	Max	1	0	21.94	0.1923
L	64QAM	1	Max	1	0	21.03	0.1560
M	64QAM	1	Max	1	0	21.10	0.1585
H	64QAM	1	Max	1	0	21.04	0.1563
L	256QAM	1	Max	1	0	18.10	0.0794
M	256QAM	1	Max	1	0	18.15	0.0804
H	256QAM	1	Max	1	0	18.13	0.0800
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	22.65	0.2265
M	16QAM	1	Max	1	0	21.74	0.1837
Combination 15MHz+20MHz (75RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	22.69	0.2286
M	16QAM	1	Max	1	0	21.76	0.1845
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	22.73	0.2307
M	16QAM	1	Max	1	0	21.83	0.1875
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	22.76	0.2323
M	16QAM	1	Max	1	0	21.87	0.1892
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	22.54	0.2208
M	16QAM	1	Max	1	0	21.73	0.1832
Combination 15MHz+10MHz (75RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		

M	QPSK	1	Max	1	0	22.59	0.2234
M	16QAM	1	Max	1	0	21.61	0.1782
Combination 10MHz+15MHz (50RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	22.63	0.2254
M	16QAM	1	Max	1	0	21.69	0.1816
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	22.81	0.2350
M	16QAM	1	Max	1	0	21.76	0.1845
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
M	QPSK	1	Max	1	0	22.88	0.2388
M	16QAM	1	Max	1	0	21.83	0.1875

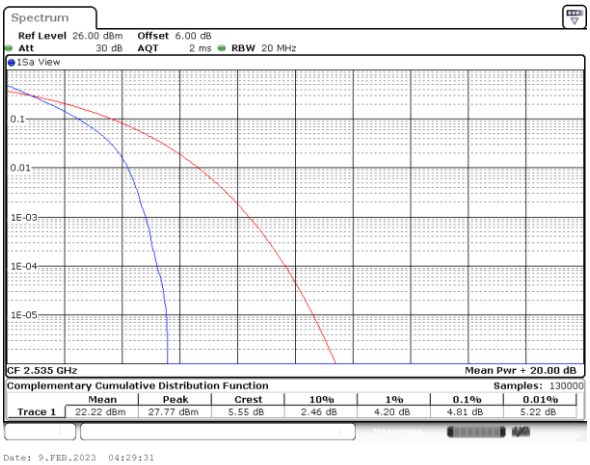
LTE Band 7

Peak-to-Average Ratio

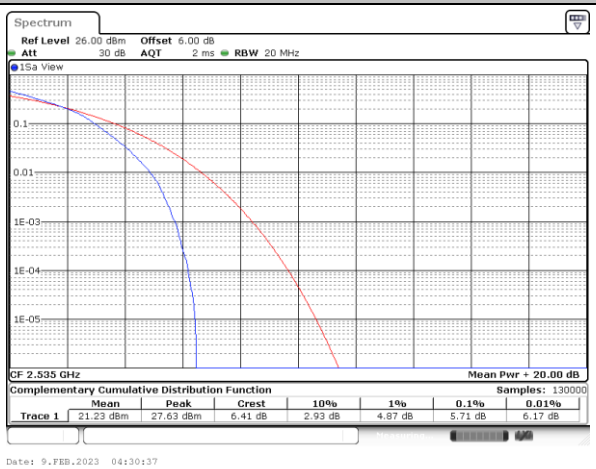
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.71	5.74	6.61	PASS

LTE Band 7 / 20MHz

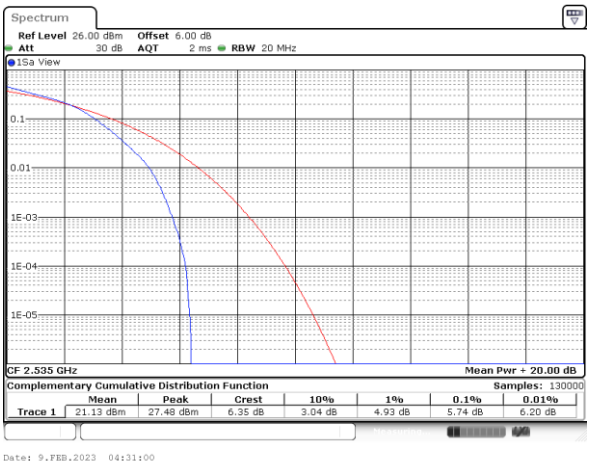
Middle Channel / Full RB/ QPSK



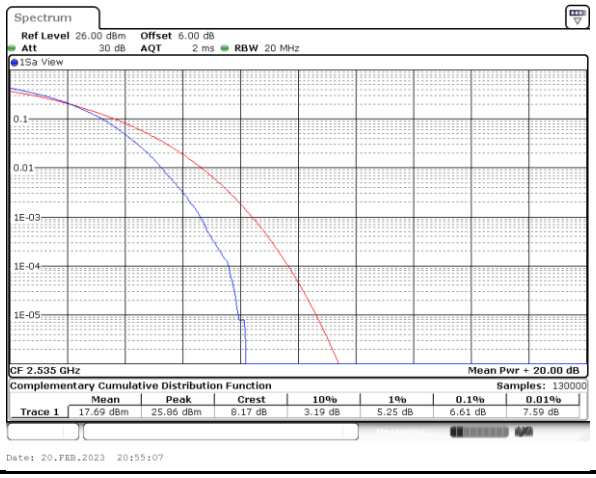
Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM



Middle Channel / Full RB/ 256QAM

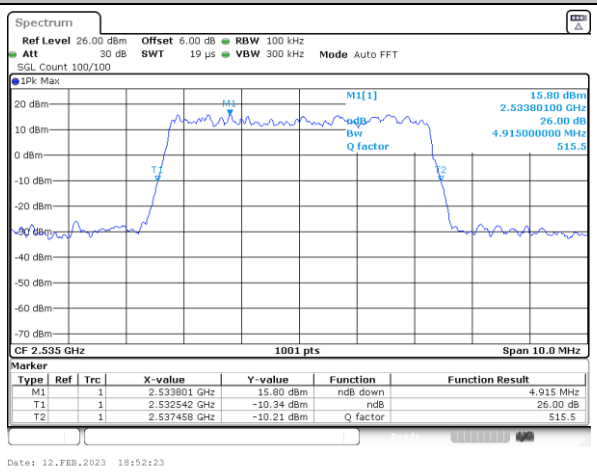


26dB Bandwidth

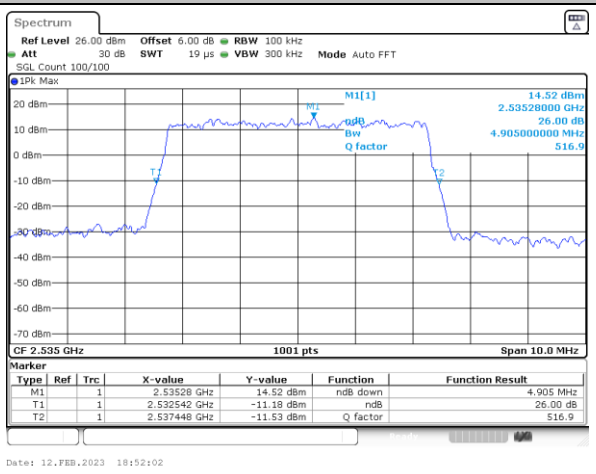
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.92	4.91	9.77	9.67	14.36	14.36	18.90	19.42

LTE Band 7

Middle Channel / 5MHz / QPSK

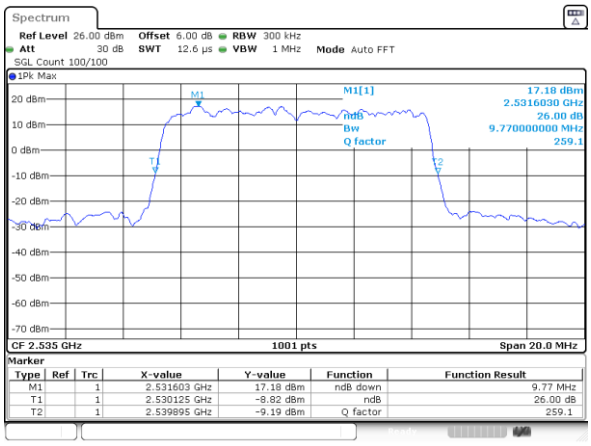


Middle Channel / 5MHz / 16QAM

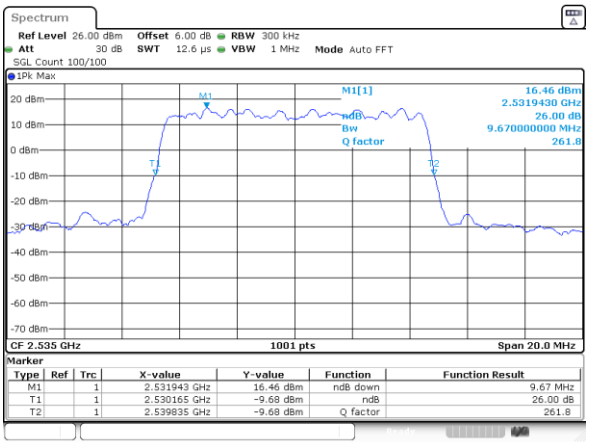


LTE Band 7

Middle Channel / 10MHz / QPSK

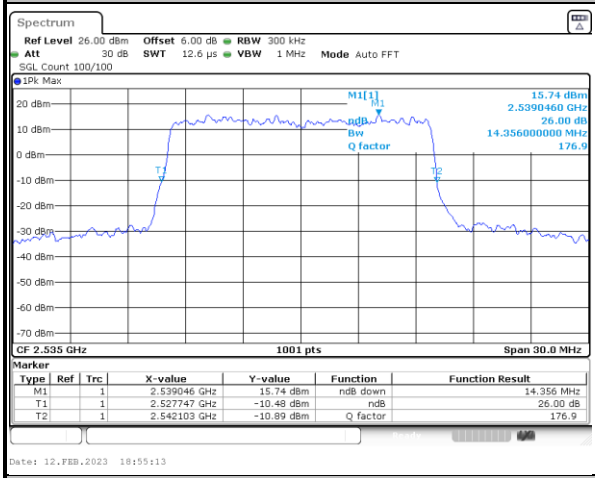


Middle Channel / 10MHz / 16QAM

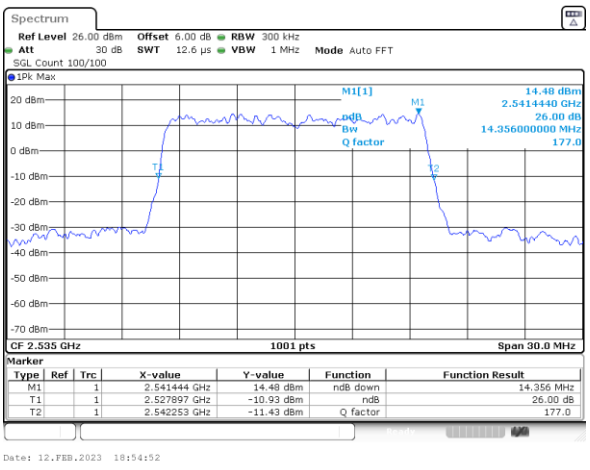


LTE Band 7

Middle Channel / 15MHz / QPSK

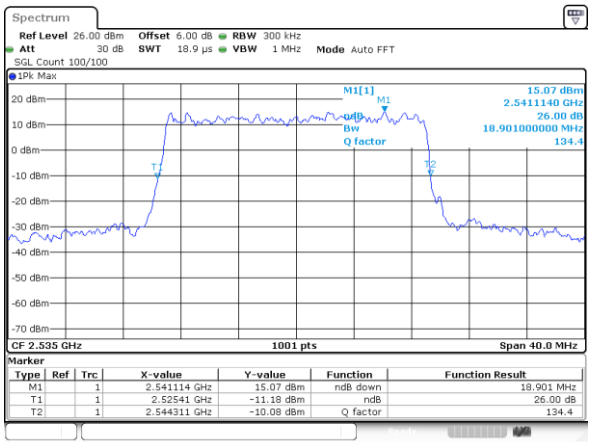


Middle Channel / 15MHz / 16QAM

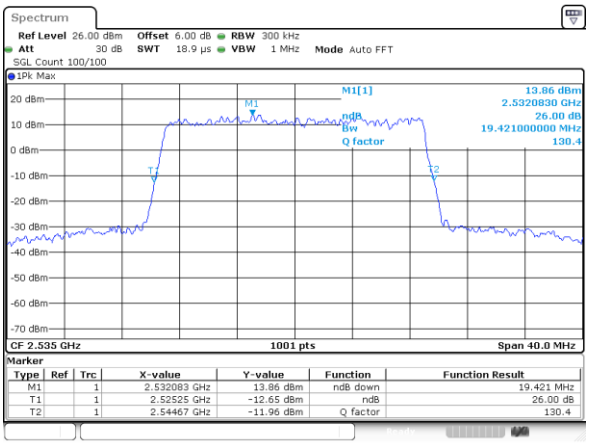


LTE Band 7

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

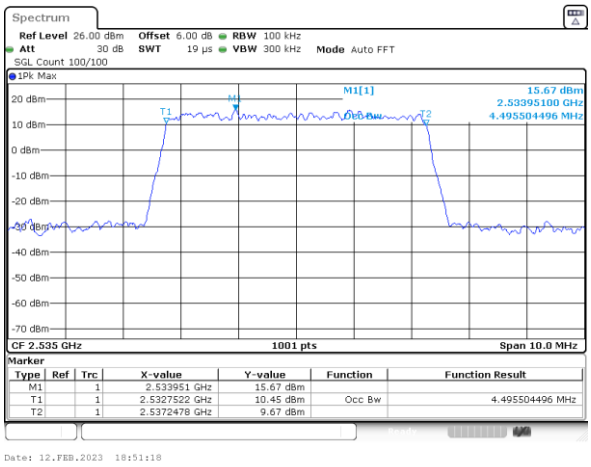


Occupied Bandwidth

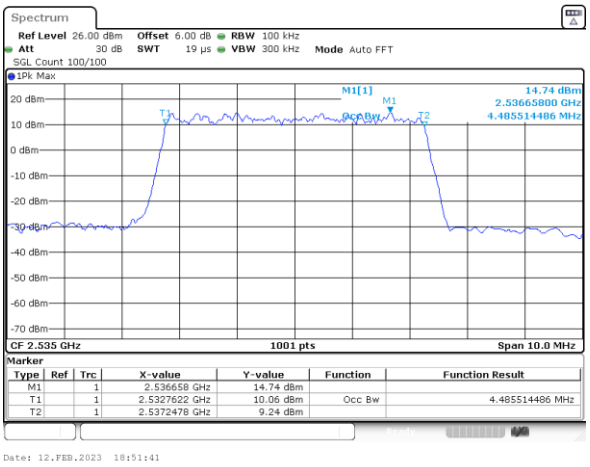
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.50	4.49	9.07	8.99	13.52	13.49	17.90	17.86

LTE Band 7

Middle Channel / 5MHz / QPSK

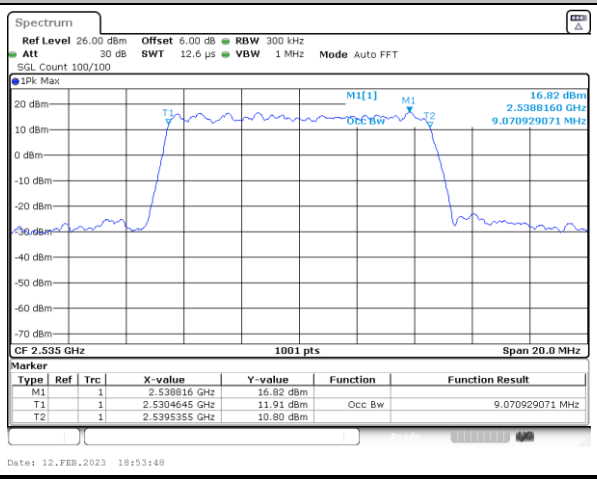


Middle Channel / 5MHz / 16QAM

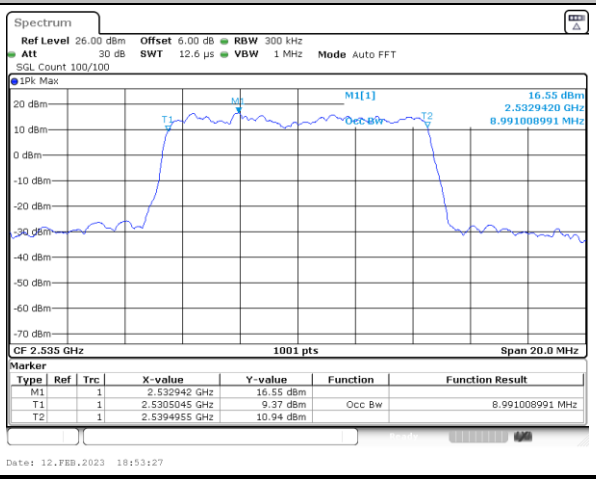


LTE Band 7

Middle Channel / 10MHz / QPSK

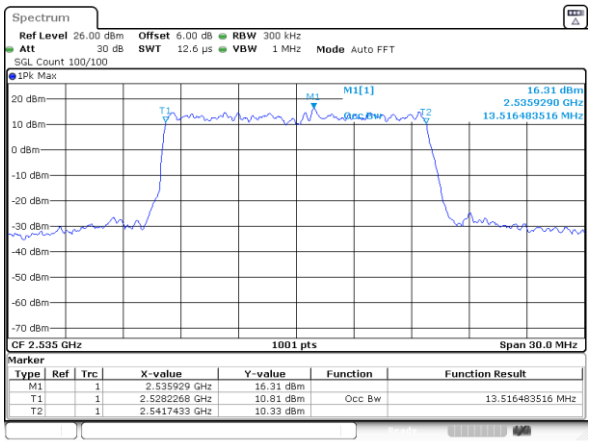


Middle Channel / 10MHz / 16QAM

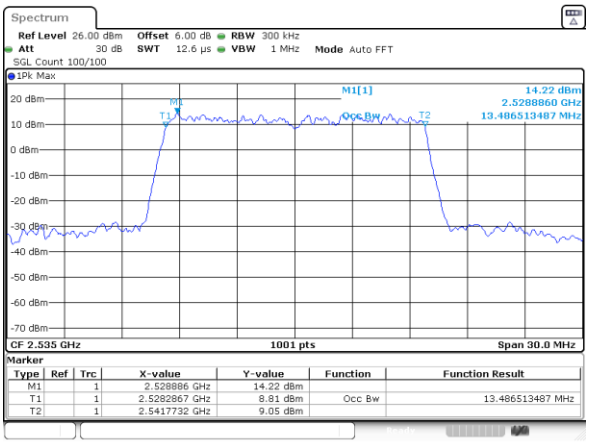


LTE Band 7

Middle Channel / 15MHz / QPSK

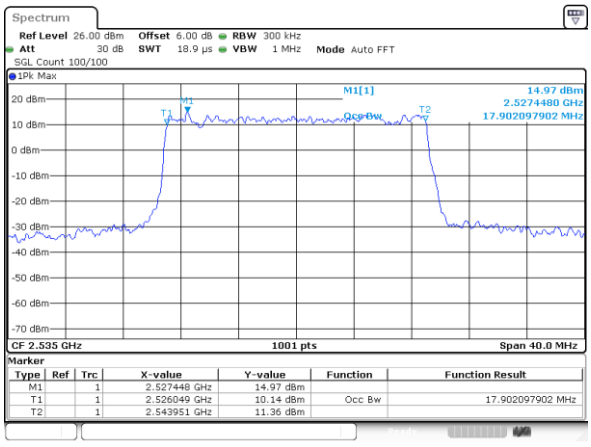


Middle Channel / 15MHz / 16QAM

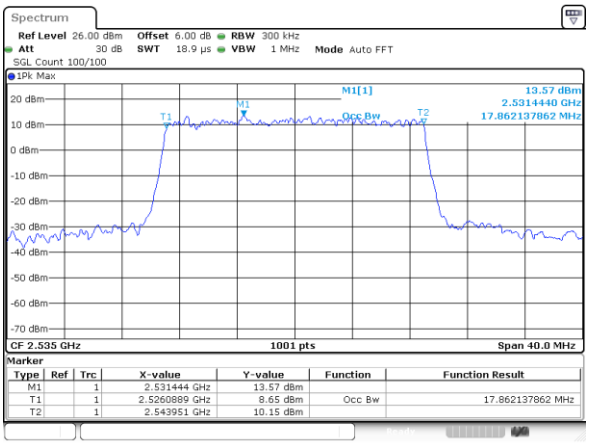


LTE Band 7

Middle Channel / 20MHz / QPSK



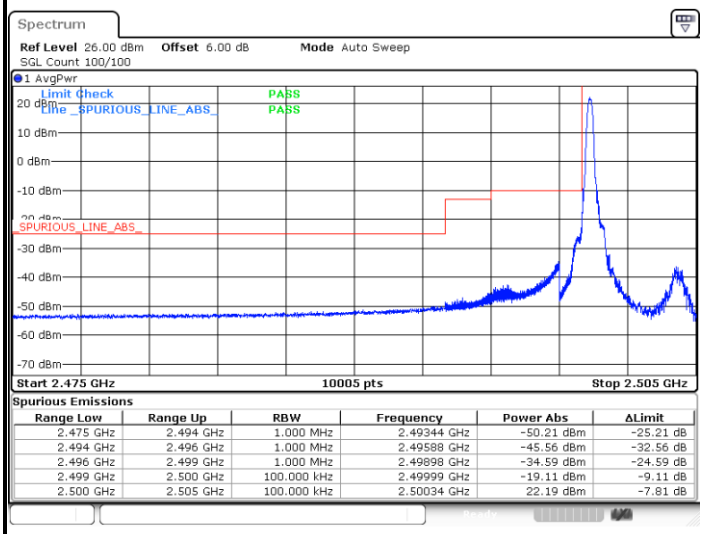
Middle Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

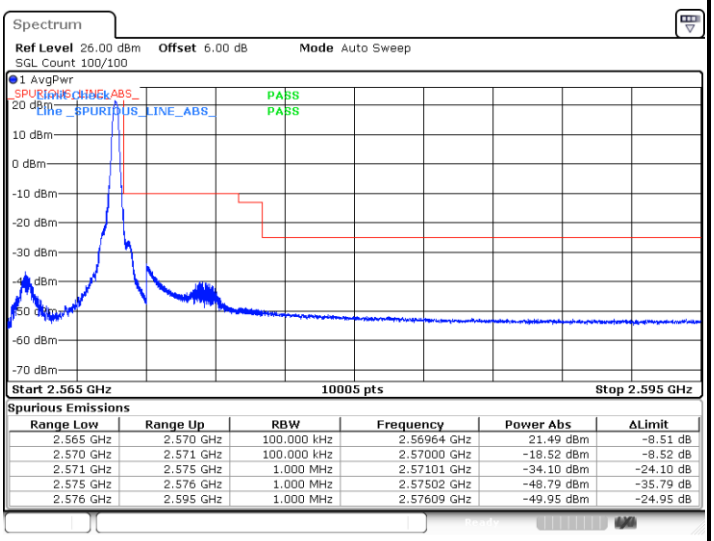


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49344 GHz	-50.21 dBm	-25.21 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49588 GHz	-45.56 dBm	-32.56 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-34.59 dBm	-24.59 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-19.11 dBm	-9.11 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	22.19 dBm	-7.81 dB

Date: 9.FEB.2023 03:35:53

Highest Band Edge / 1 RB

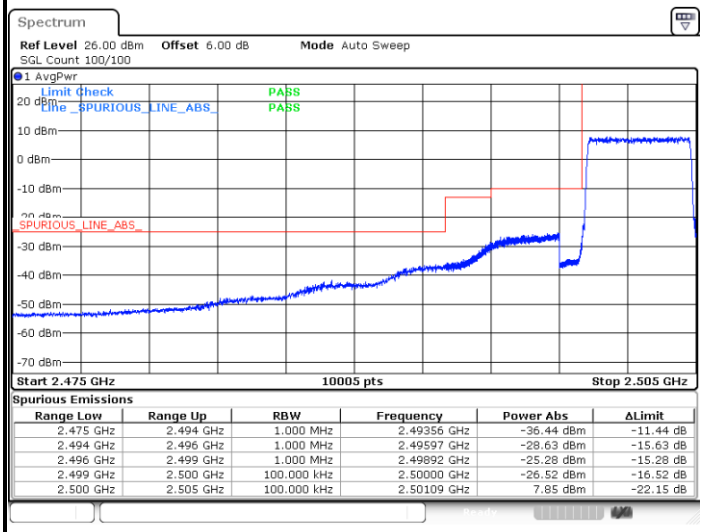


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56964 GHz	21.49 dBm	-8.51 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-18.52 dBm	-8.52 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-34.10 dBm	-24.10 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57502 GHz	-48.79 dBm	-35.79 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57609 GHz	-49.95 dBm	-24.95 dB

Date: 9.FEB.2023 03:42:24

Lowest Band Edge / Full RB

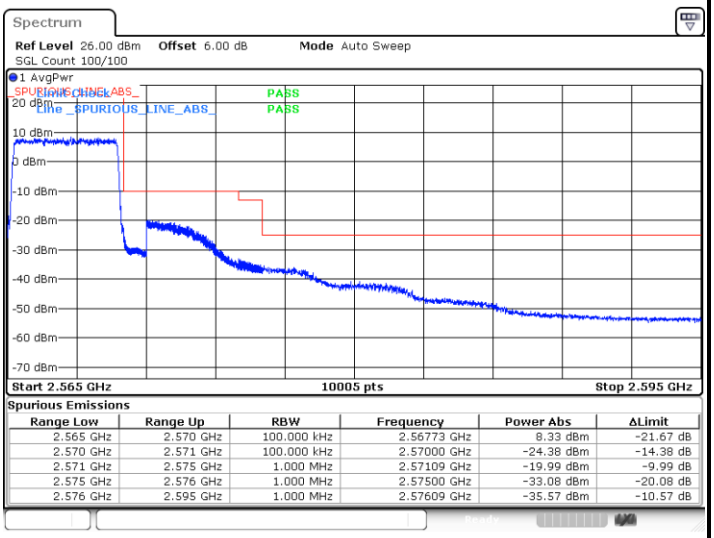


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49356 GHz	-36.44 dBm	-11.44 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49597 GHz	-28.63 dBm	-15.63 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-25.28 dBm	-15.28 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-26.52 dBm	-16.52 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50109 GHz	7.85 dBm	-22.15 dB

Date: 9.FEB.2023 03:33:23

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	2.56773 GHz	8.33 dBm	-21.67 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-24.38 dBm	-14.38 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57109 GHz	-19.99 dBm	-9.99 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57500 GHz	-33.08 dBm	-20.08 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57609 GHz	-35.57 dBm	-10.57 dB

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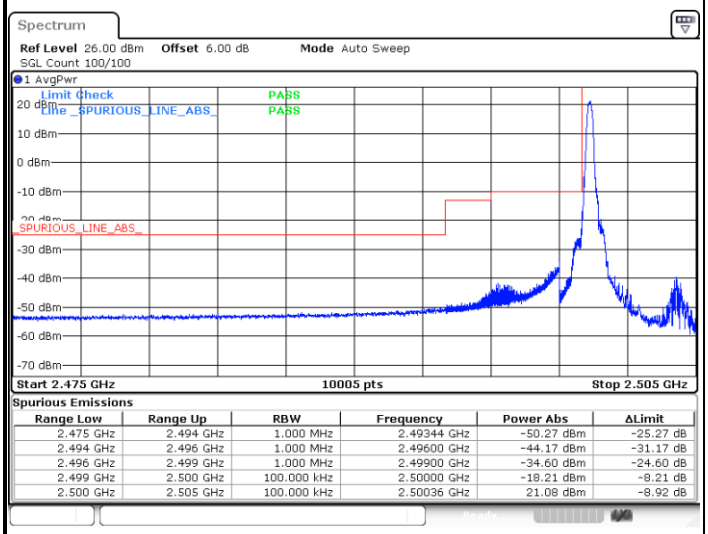
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB

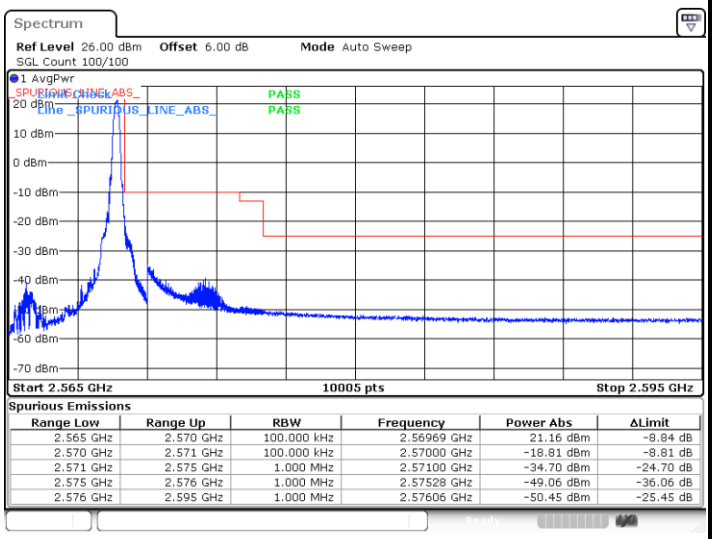


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49344 GHz	-50.27 dBm	-25.27 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49600 GHz	-44.17 dBm	-31.17 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-34.60 dBm	-24.60 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-18.21 dBm	-8.21 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50036 GHz	21.08 dBm	-8.92 dB

Date: 9.FEB.2023 03:36:43

Highest Band Edge / 1 RB

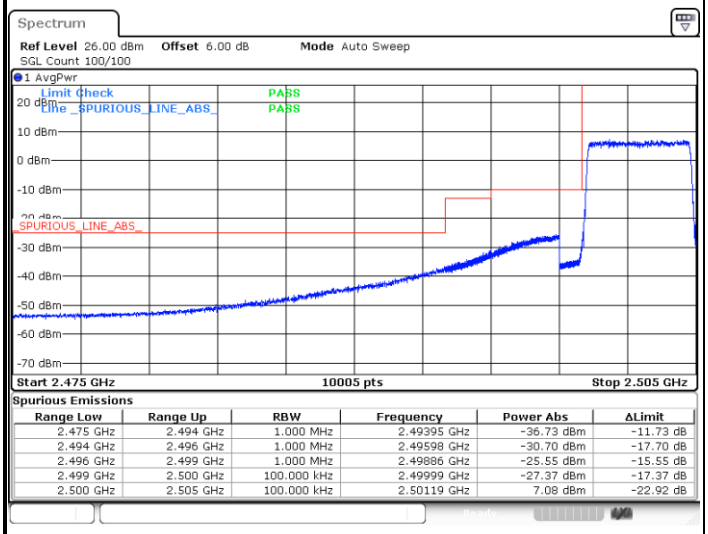


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56969 GHz	21.16 dBm	-8.84 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-18.81 dBm	-8.81 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-34.70 dBm	-24.70 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57528 GHz	-49.06 dBm	-36.06 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57606 GHz	-50.45 dBm	-25.45 dB

Date: 9.FEB.2023 03:43:14

Lowest Band Edge / Full RB

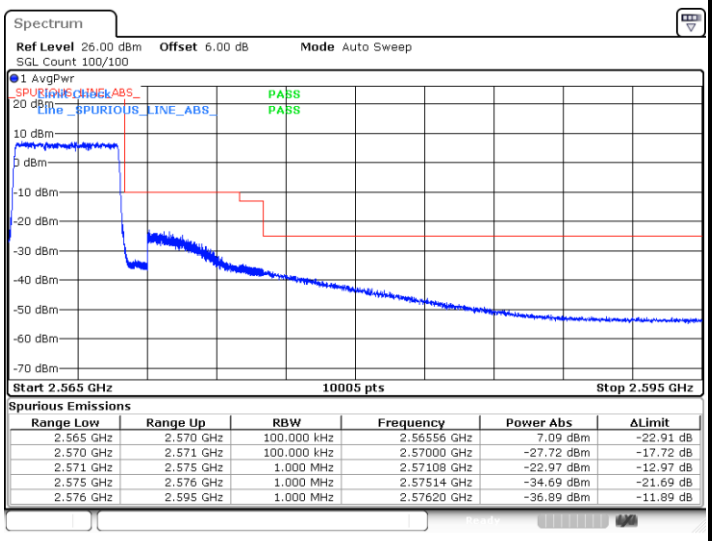


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49395 GHz	-36.73 dBm	-11.73 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49598 GHz	-30.70 dBm	-17.70 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49886 GHz	-25.55 dBm	-15.55 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-27.37 dBm	-17.37 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50119 GHz	7.08 dBm	-22.92 dB

Date: 9.FEB.2023 03:34:13

Highest Band Edge / Full RB



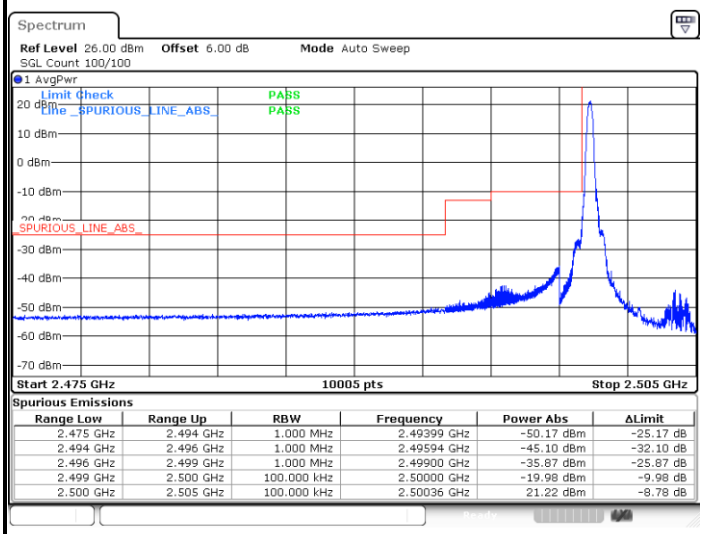
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56556 GHz	7.09 dBm	-22.91 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-27.72 dBm	-17.72 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-22.97 dBm	-12.97 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57514 GHz	-34.69 dBm	-21.69 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57620 GHz	-36.89 dBm	-11.89 dB

Date: 9.FEB.2023 03:45:44

LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

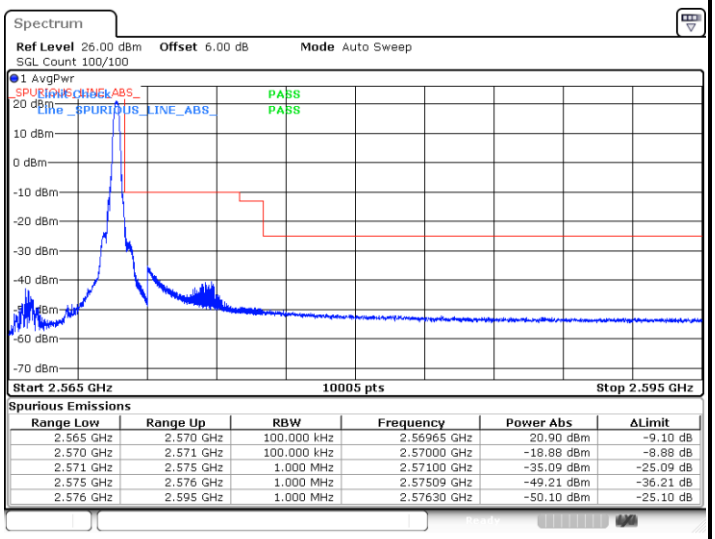


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49399 GHz	-50.17 dBm	-25.17 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49594 GHz	-45.10 dBm	-32.10 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-35.87 dBm	-25.87 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-19.98 dBm	-9.98 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50036 GHz	21.22 dBm	-8.78 dB

Date: 9.FEB.2023 03:37:33

Highest Band Edge / 1 RB

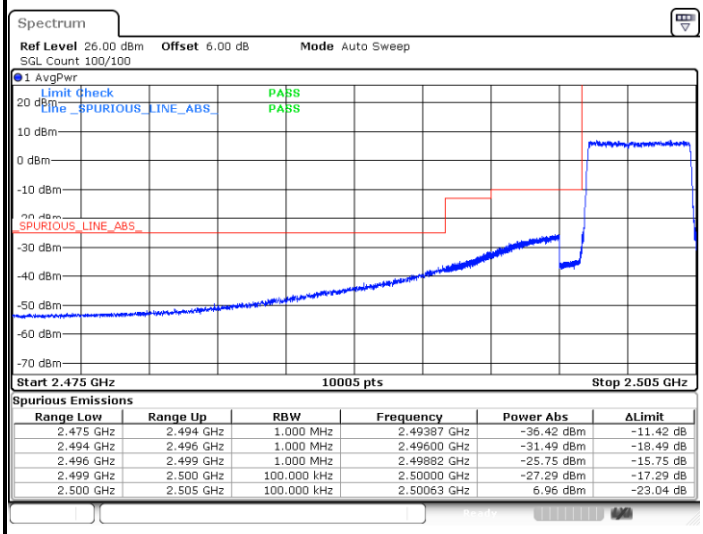


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56965 GHz	20.90 dBm	-9.10 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-18.88 dBm	-8.88 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-35.09 dBm	-25.09 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57509 GHz	-49.21 dBm	-36.21 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57630 GHz	-50.10 dBm	-25.10 dB

Date: 9.FEB.2023 03:44:04

Lowest Band Edge / Full RB

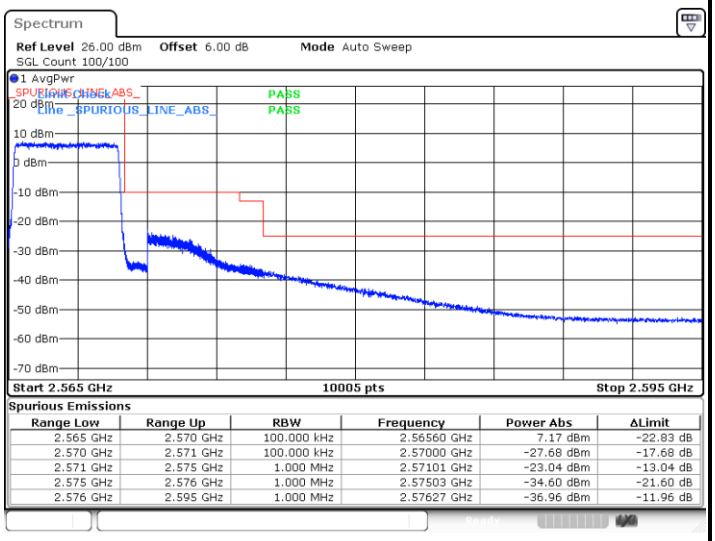


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49387 GHz	-36.42 dBm	-11.42 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49600 GHz	-31.49 dBm	-18.49 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49882 GHz	-25.75 dBm	-15.75 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-27.29 dBm	-17.29 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50063 GHz	6.96 dBm	-23.04 dB

Date: 9.FEB.2023 03:35:03

Highest Band Edge / Full RB



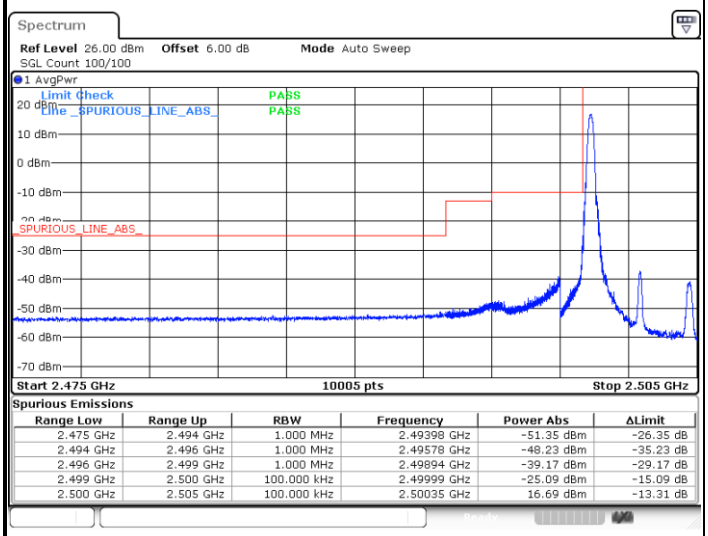
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56560 GHz	7.17 dBm	-22.83 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-27.68 dBm	-17.68 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-23.04 dBm	-13.04 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57503 GHz	-34.60 dBm	-21.60 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57627 GHz	-36.96 dBm	-11.96 dB

Date: 9.FEB.2023 03:46:33

LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB

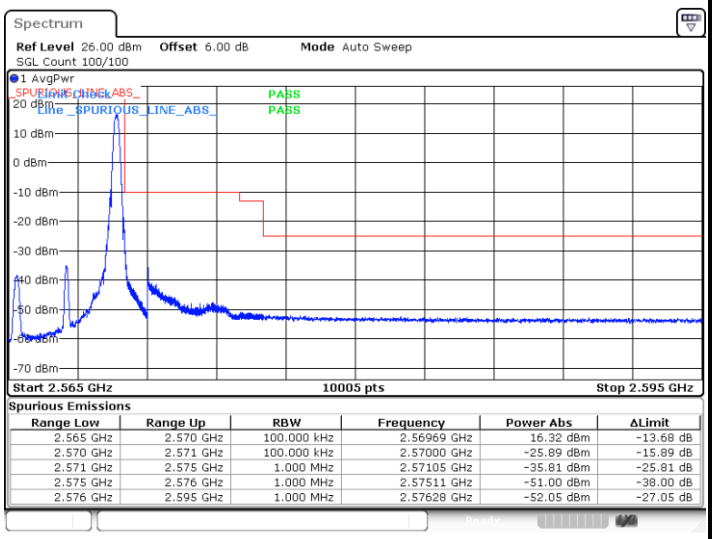


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49398 GHz	-51.35 dBm	-26.35 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49578 GHz	-48.23 dBm	-35.23 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49894 GHz	-39.17 dBm	-29.17 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-25.09 dBm	-15.09 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50035 GHz	16.69 dBm	-13.31 dB

Date: 20.FEB.2023 20:26:47

Highest Band Edge / 1 RB

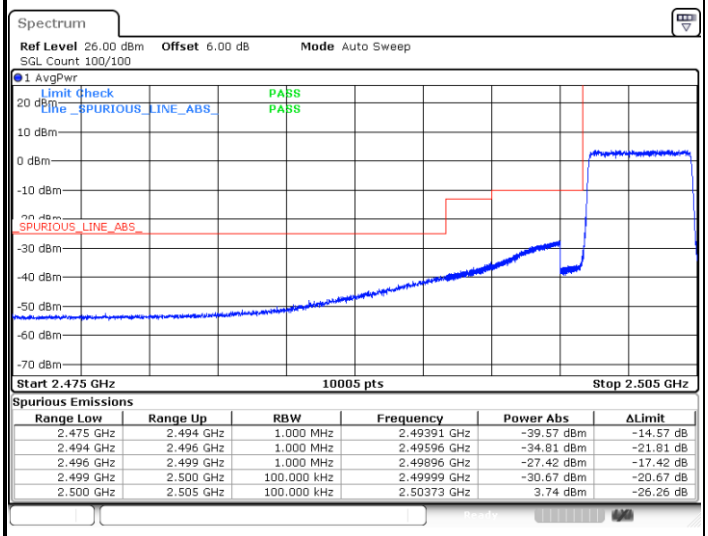


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56969 GHz	16.32 dBm	-13.68 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-25.89 dBm	-15.89 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-35.81 dBm	-25.81 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57511 GHz	-51.00 dBm	-38.00 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57628 GHz	-52.05 dBm	-27.05 dB

Date: 20.FEB.2023 20:28:49

Lowest Band Edge / Full RB

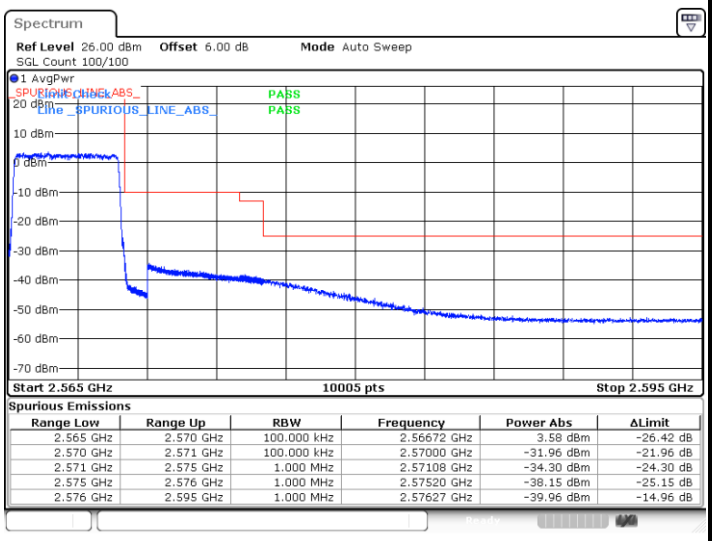


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49391 GHz	-39.57 dBm	-14.57 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49596 GHz	-34.81 dBm	-21.81 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-27.42 dBm	-17.42 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-30.67 dBm	-20.67 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50373 GHz	3.74 dBm	-26.26 dB

Date: 20.FEB.2023 20:22:24

Highest Band Edge / Full RB



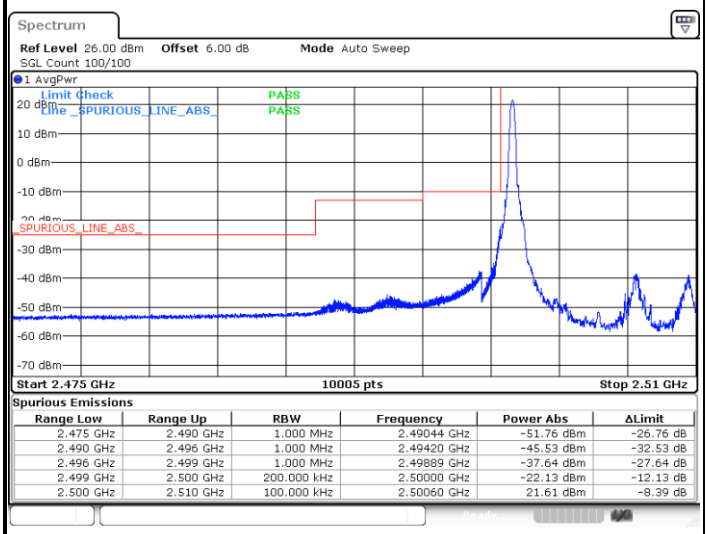
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56672 GHz	3.58 dBm	-26.42 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-31.96 dBm	-21.96 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-34.30 dBm	-24.30 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57520 GHz	-38.15 dBm	-25.15 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57627 GHz	-39.96 dBm	-14.96 dB

Date: 20.FEB.2023 20:30:13

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

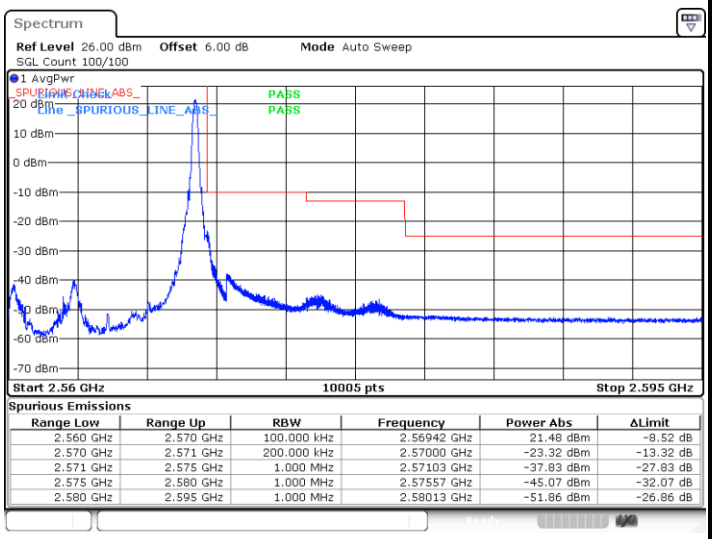


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49044 GHz	-51.76 dBm	-26.76 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49420 GHz	-45.53 dBm	-32.53 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49889 GHz	-37.64 dBm	-27.64 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-22.13 dBm	-12.13 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50060 GHz	21.61 dBm	-8.39 dB

Date: 9.FEB.2023 03:49:53

Highest Band Edge / 1 RB

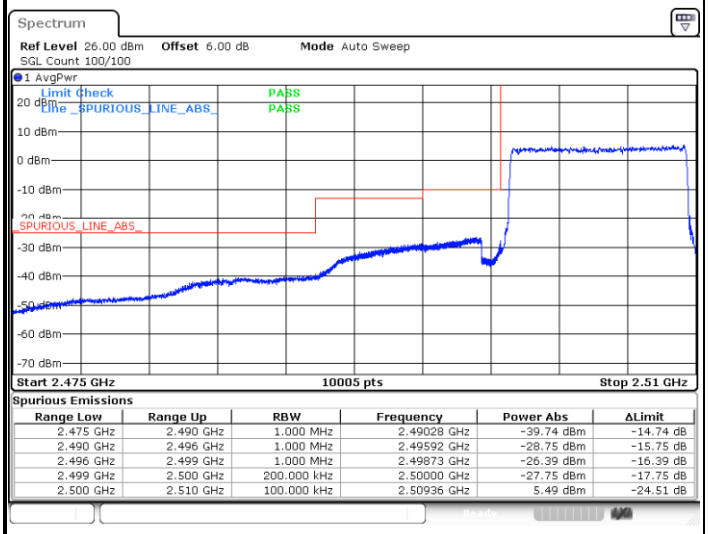


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56942 GHz	21.48 dBm	-8.52 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-23.32 dBm	-13.32 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-37.83 dBm	-27.83 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57557 GHz	-45.07 dBm	-32.07 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58013 GHz	-51.86 dBm	-26.86 dB

Date: 9.FEB.2023 03:56:21

Lowest Band Edge / Full RB

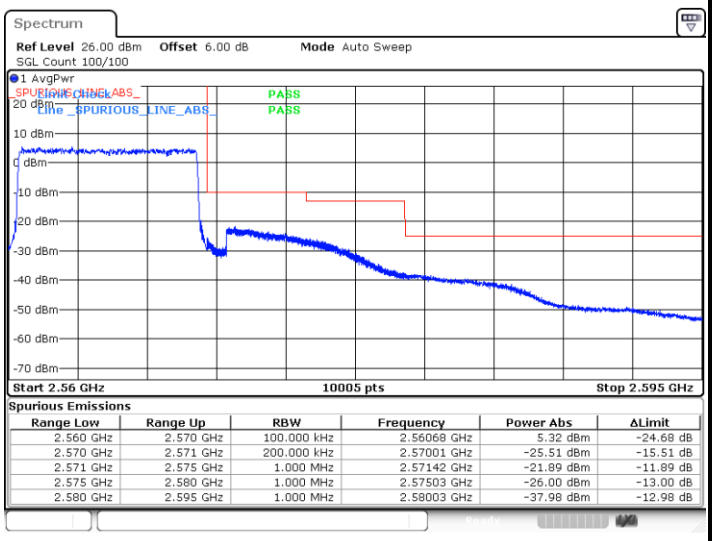


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49028 GHz	-39.74 dBm	-14.74 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49592 GHz	-28.75 dBm	-15.75 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49873 GHz	-26.39 dBm	-16.39 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-27.75 dBm	-17.75 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50936 GHz	5.49 dBm	-24.51 dB

Date: 9.FEB.2023 03:47:24

Highest Band Edge / Full RB



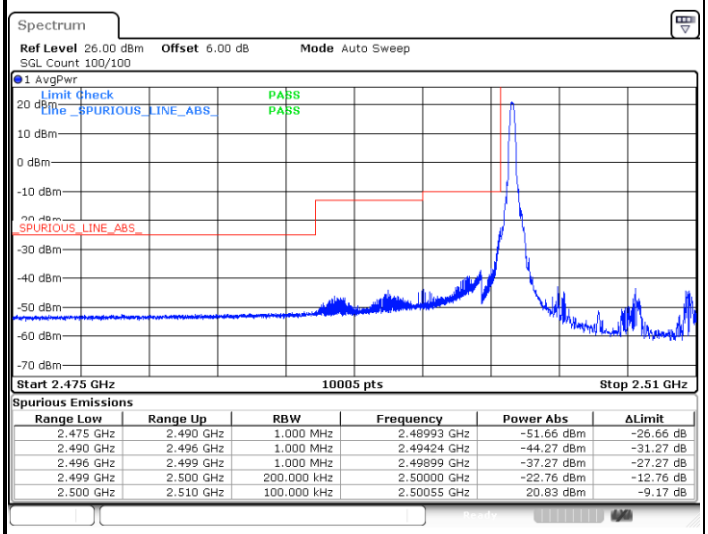
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56068 GHz	5.32 dBm	-24.68 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-25.51 dBm	-15.51 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57142 GHz	-21.89 dBm	-11.89 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57503 GHz	-26.00 dBm	-13.00 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58003 GHz	-37.98 dBm	-12.98 dB

Date: 9.FEB.2023 03:58:51

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

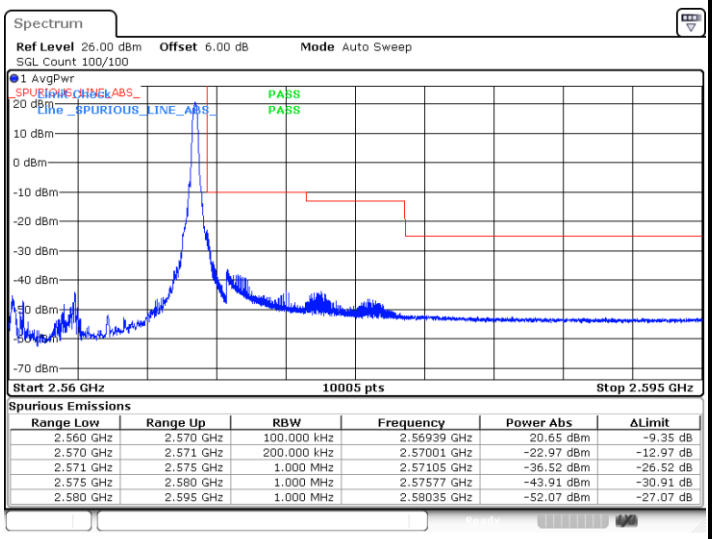


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48993 GHz	-51.66 dBm	-26.66 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49424 GHz	-44.27 dBm	-31.27 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-37.27 dBm	-27.27 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-22.76 dBm	-12.76 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50055 GHz	20.83 dBm	-9.17 dB

Date: 9.FEB.2023 03:50:43

Highest Band Edge / 1 RB

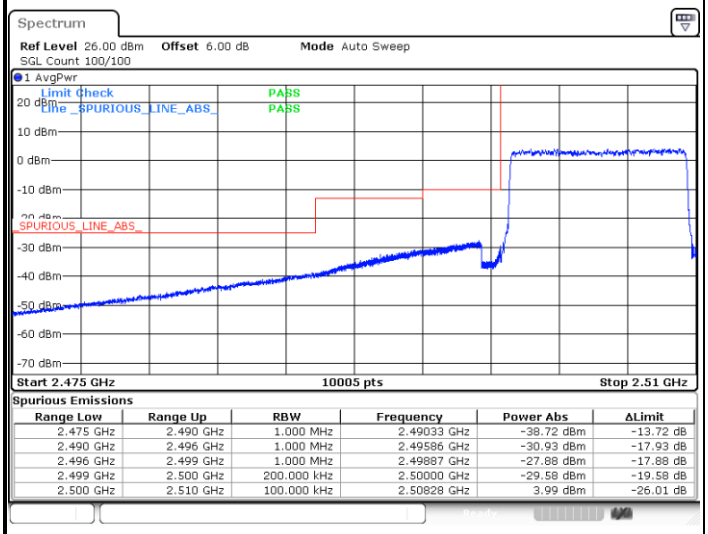


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	20.65 dBm	-9.35 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-22.97 dBm	-12.97 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-36.52 dBm	-26.52 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57577 GHz	-43.91 dBm	-30.91 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58035 GHz	-52.07 dBm	-27.07 dB

Date: 9.FEB.2023 03:57:11

Lowest Band Edge / Full RB

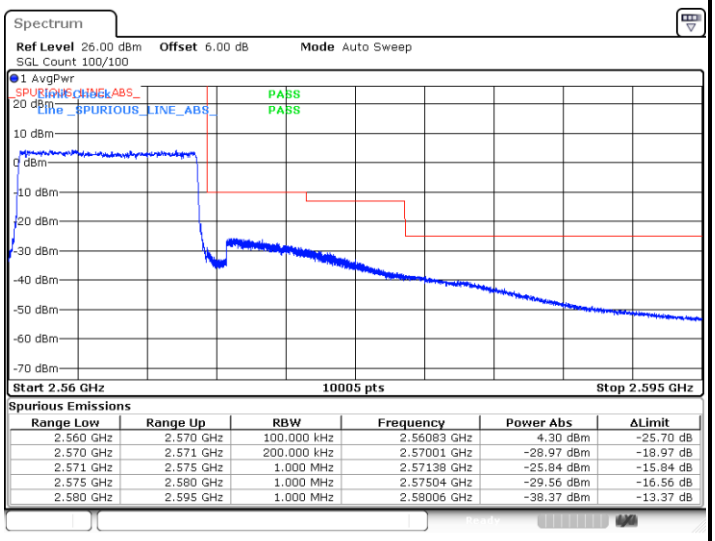


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-38.72 dBm	-13.72 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49586 GHz	-30.93 dBm	-17.93 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49887 GHz	-27.88 dBm	-17.88 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-29.58 dBm	-19.58 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50828 GHz	3.99 dBm	-26.01 dB

Date: 9.FEB.2023 03:48:14

Highest Band Edge / Full RB



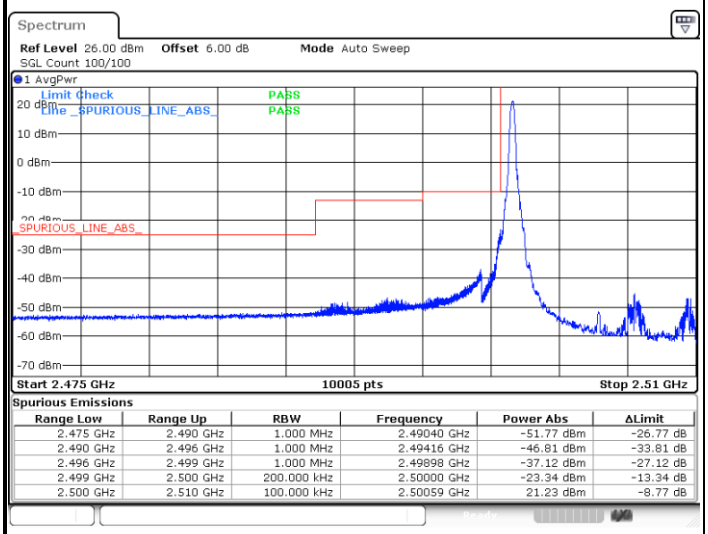
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56083 GHz	4.30 dBm	-25.70 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-28.97 dBm	-18.97 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57138 GHz	-25.84 dBm	-15.84 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57504 GHz	-29.56 dBm	-16.56 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58006 GHz	-38.37 dBm	-13.37 dB

Date: 9.FEB.2023 03:59:40

LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

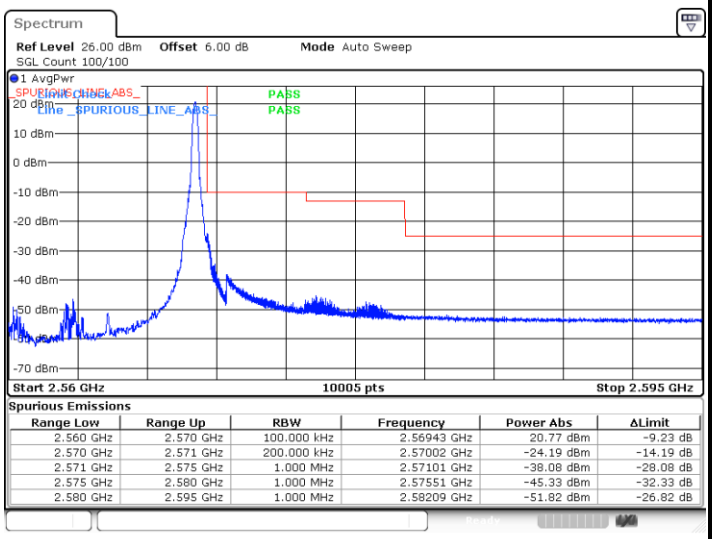


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49040 GHz	-51.77 dBm	-26.77 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49416 GHz	-46.81 dBm	-33.81 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-37.12 dBm	-27.12 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-23.34 dBm	-13.34 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50059 GHz	21.23 dBm	-8.77 dB

Date: 9.FEB.2023 03:51:33

Highest Band Edge / 1 RB

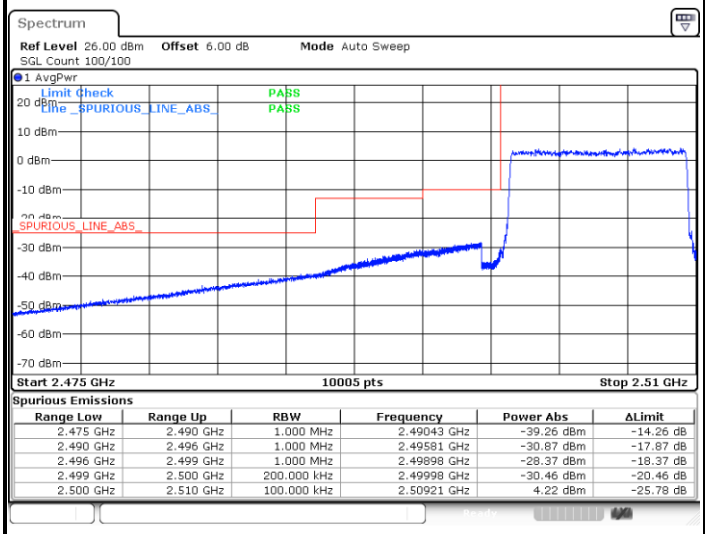


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56943 GHz	20.77 dBm	-9.23 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-24.19 dBm	-14.19 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-38.08 dBm	-28.08 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57551 GHz	-45.33 dBm	-32.33 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58209 GHz	-51.82 dBm	-26.82 dB

Date: 9.FEB.2023 03:58:01

Lowest Band Edge / Full RB

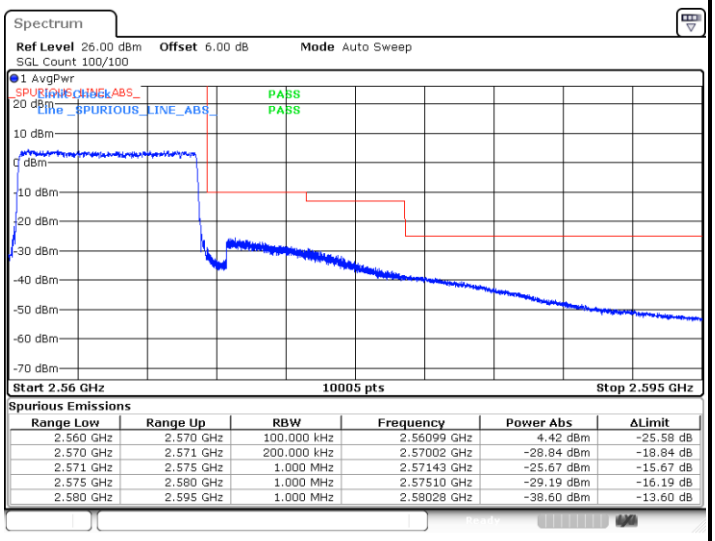


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-39.26 dBm	-14.26 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49581 GHz	-30.87 dBm	-17.87 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49898 GHz	-28.37 dBm	-18.37 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49998 GHz	-30.46 dBm	-20.46 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50921 GHz	4.22 dBm	-25.78 dB

Date: 9.FEB.2023 03:49:03

Highest Band Edge / Full RB



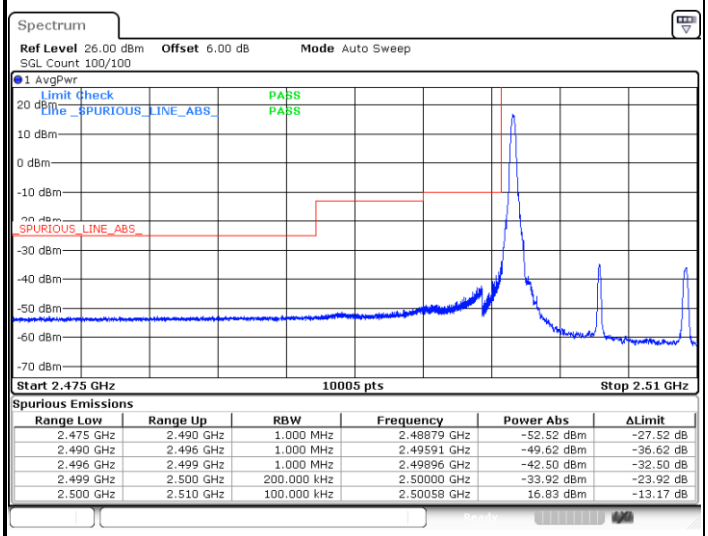
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56099 GHz	4.42 dBm	-25.58 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-28.84 dBm	-18.84 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57143 GHz	-25.67 dBm	-15.67 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57510 GHz	-29.19 dBm	-16.19 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58028 GHz	-38.60 dBm	-13.60 dB

Date: 9.FEB.2023 04:00:30

LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

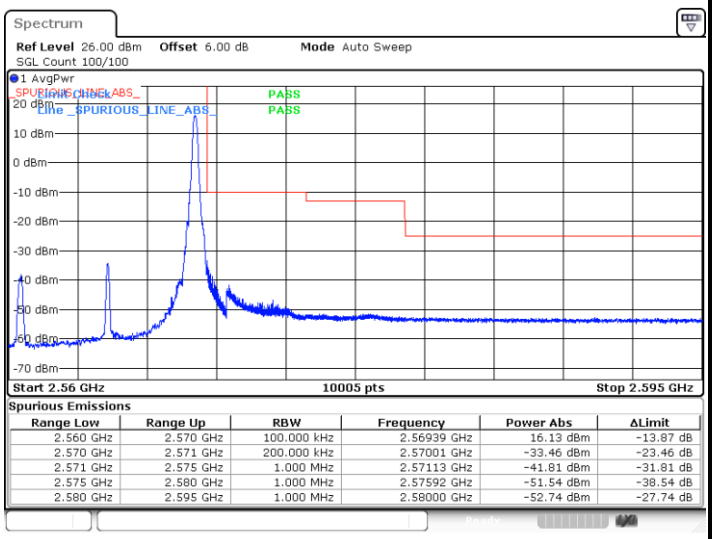


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48879 GHz	-52.52 dBm	-27.52 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49591 GHz	-49.62 dBm	-36.62 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-42.50 dBm	-32.50 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.50000 GHz	-33.92 dBm	-23.92 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50058 GHz	16.83 dBm	-13.17 dB

Date: 20.FEB.2023 20:33:30

Highest Band Edge / 1 RB

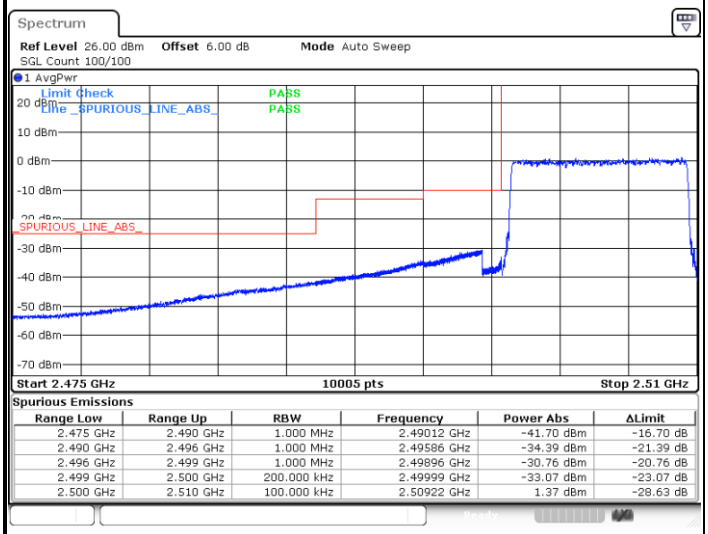


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	16.13 dBm	-13.87 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-33.46 dBm	-23.46 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57113 GHz	-41.81 dBm	-31.81 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57592 GHz	-51.54 dBm	-38.54 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58000 GHz	-52.74 dBm	-27.74 dB

Date: 20.FEB.2023 20:36:06

Lowest Band Edge / Full RB

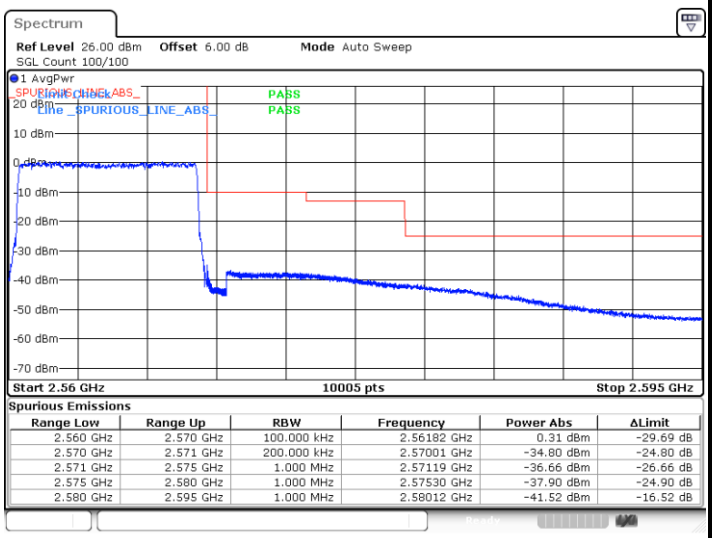


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49012 GHz	-41.70 dBm	-16.70 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49586 GHz	-34.39 dBm	-21.39 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-30.76 dBm	-20.76 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-33.07 dBm	-23.07 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50922 GHz	1.37 dBm	-28.63 dB

Date: 20.FEB.2023 20:32:07

Highest Band Edge / Full RB



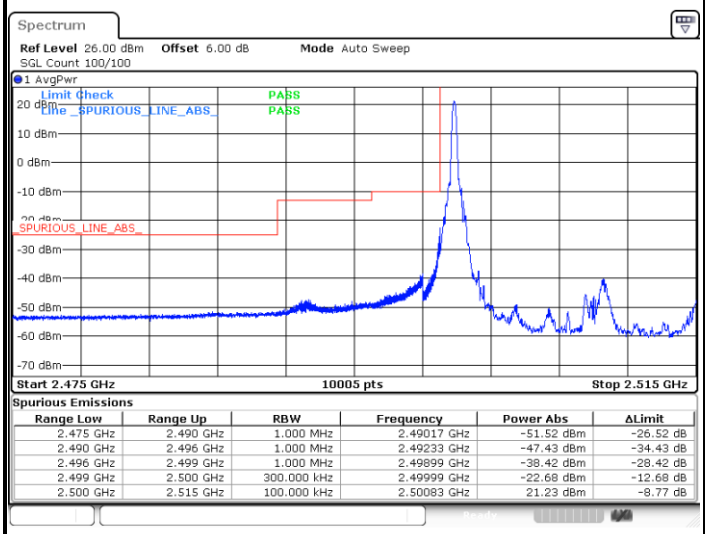
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56182 GHz	0.31 dBm	-29.69 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-34.80 dBm	-24.80 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57119 GHz	-36.66 dBm	-26.66 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57530 GHz	-37.90 dBm	-24.90 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58012 GHz	-41.52 dBm	-16.52 dB

Date: 20.FEB.2023 20:38:41

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

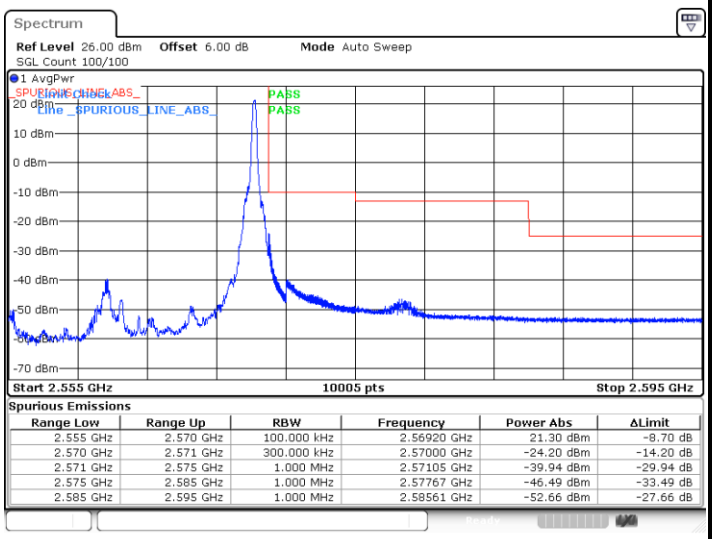


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49017 GHz	-51.52 dBm	-26.52 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49233 GHz	-47.43 dBm	-34.43 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-38.42 dBm	-28.42 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-22.68 dBm	-12.68 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50083 GHz	21.23 dBm	-8.77 dB

Date: 9.FEB.2023 04:03:50

Highest Band Edge / 1 RB

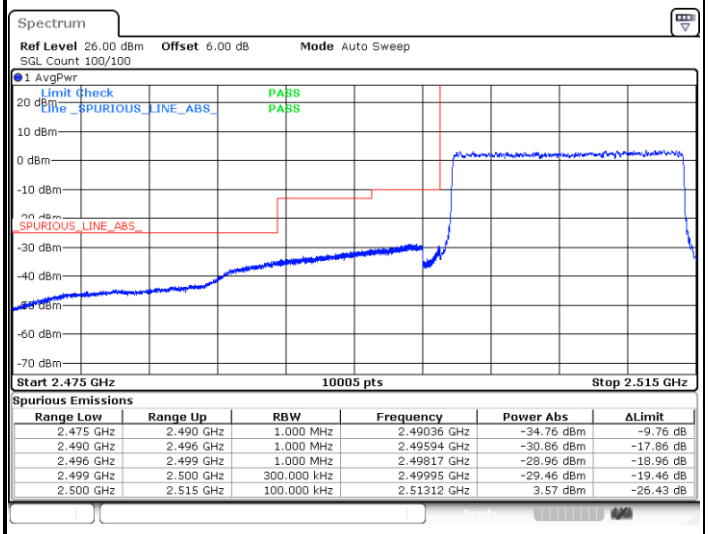


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56920 GHz	21.30 dBm	-8.70 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-24.20 dBm	-14.20 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-39.94 dBm	-29.94 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57767 GHz	-46.49 dBm	-33.49 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58561 GHz	-52.66 dBm	-27.66 dB

Date: 9.FEB.2023 04:10:19

Lowest Band Edge / Full RB

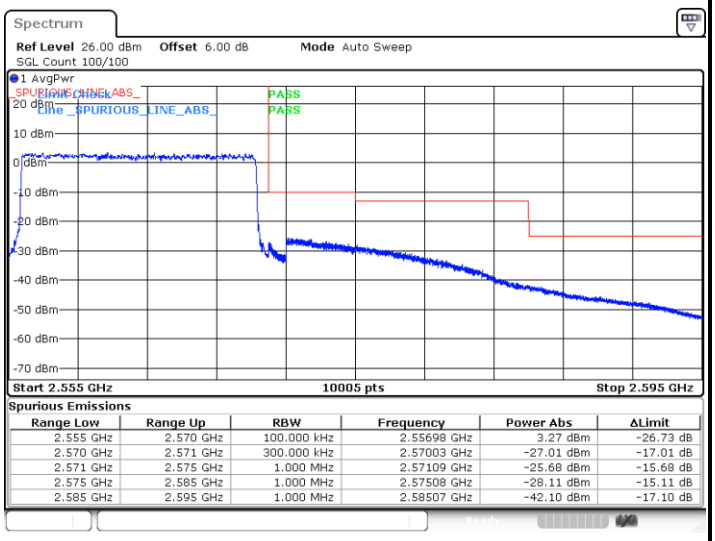


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49036 GHz	-34.76 dBm	-9.76 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49594 GHz	-30.86 dBm	-17.86 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49817 GHz	-28.96 dBm	-18.96 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49995 GHz	-29.46 dBm	-19.46 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51312 GHz	3.57 dBm	-26.43 dB

Date: 9.FEB.2023 04:01:20

Highest Band Edge / Full RB



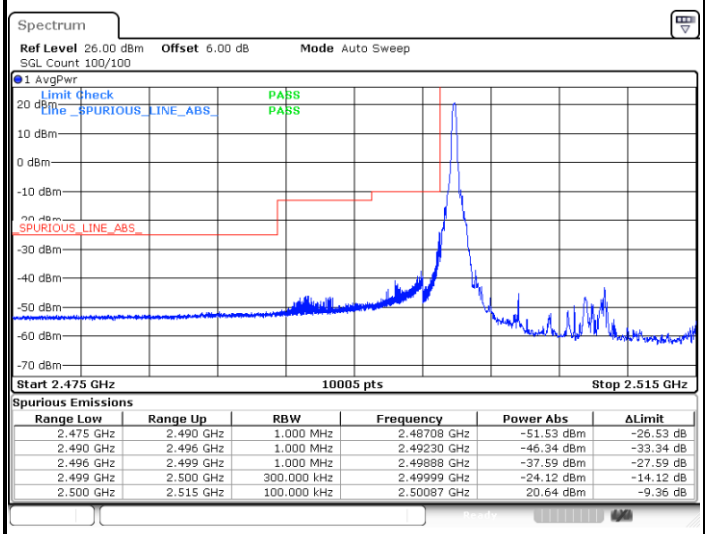
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55698 GHz	3.27 dBm	-26.73 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57003 GHz	-27.01 dBm	-17.01 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57109 GHz	-25.68 dBm	-15.68 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57508 GHz	-28.11 dBm	-15.11 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58507 GHz	-42.10 dBm	-17.10 dB

Date: 9.FEB.2023 04:12:48

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

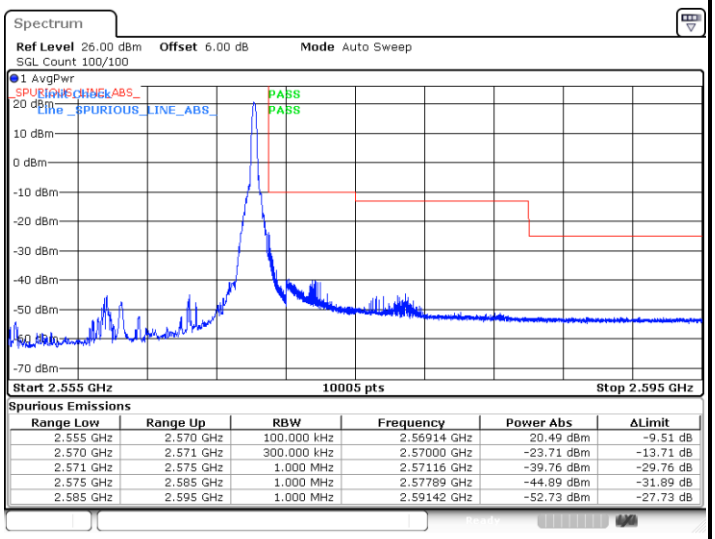


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48708 GHz	-51.53 dBm	-26.53 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49230 GHz	-46.34 dBm	-33.34 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49888 GHz	-37.59 dBm	-27.59 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-24.12 dBm	-14.12 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50087 GHz	20.64 dBm	-9.36 dB

Date: 9.FEB.2023 04:04:40

Highest Band Edge / 1 RB

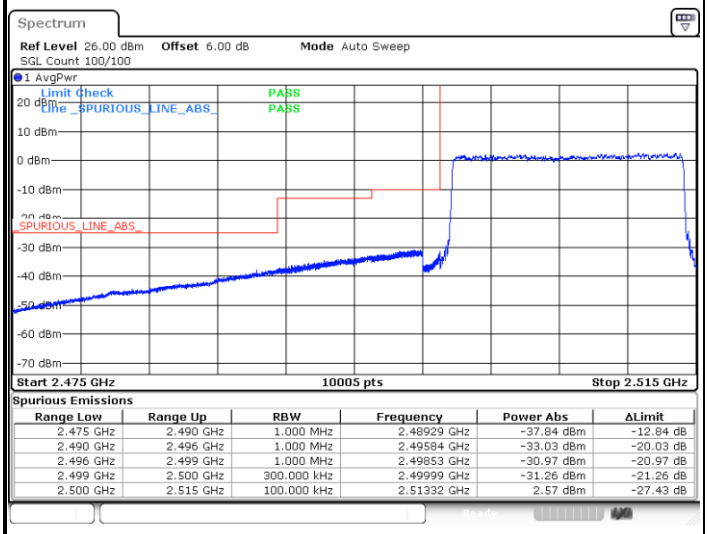


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56914 GHz	20.49 dBm	-9.51 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-23.71 dBm	-13.71 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57116 GHz	-39.76 dBm	-29.76 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57789 GHz	-44.89 dBm	-31.89 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.59142 GHz	-52.73 dBm	-27.73 dB

Date: 9.FEB.2023 04:11:09

Lowest Band Edge / Full RB

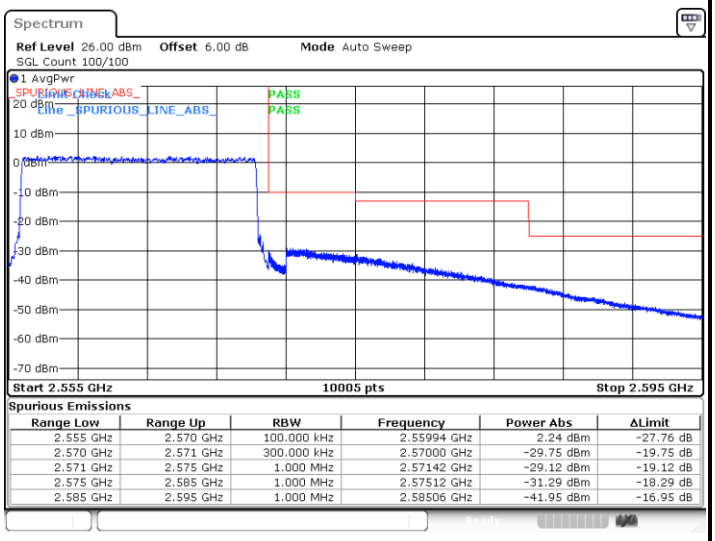


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48929 GHz	-37.84 dBm	-12.84 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49584 GHz	-33.03 dBm	-20.03 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49853 GHz	-30.97 dBm	-20.97 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-31.26 dBm	-21.26 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51332 GHz	2.57 dBm	-27.43 dB

Date: 9.FEB.2023 04:02:10

Highest Band Edge / Full RB



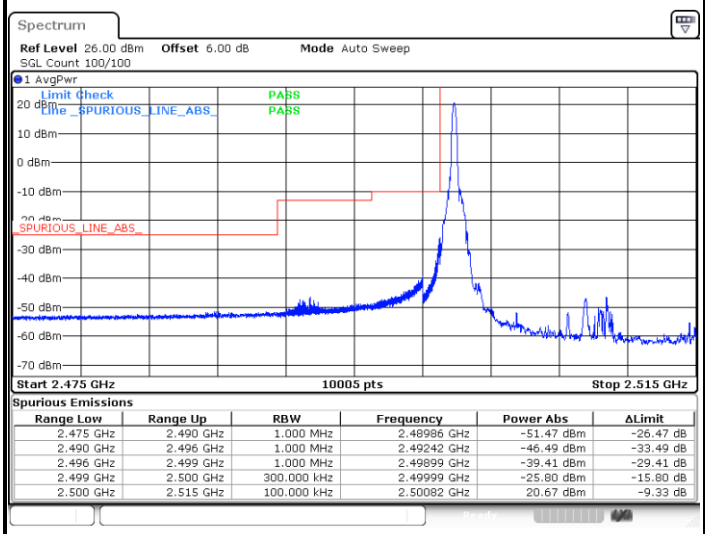
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55994 GHz	2.24 dBm	-27.76 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-29.75 dBm	-19.75 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57142 GHz	-29.12 dBm	-19.12 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57512 GHz	-31.29 dBm	-18.29 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58506 GHz	-41.95 dBm	-16.95 dB

Date: 9.FEB.2023 04:13:38

LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

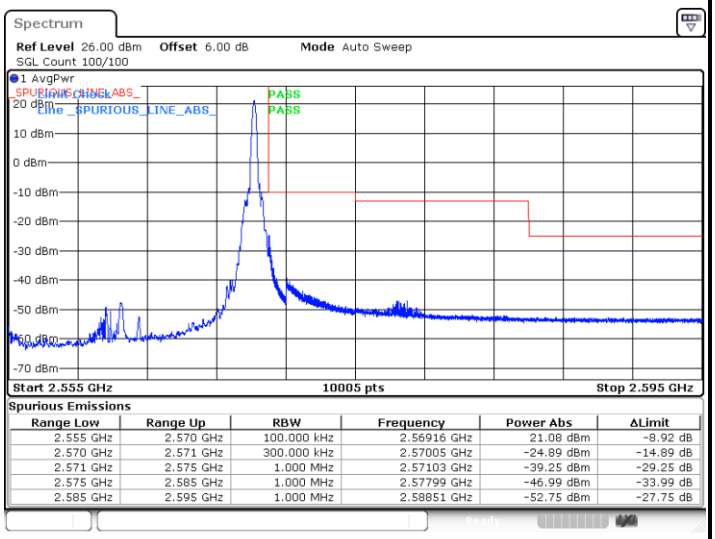


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48986 GHz	-51.47 dBm	-26.47 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49242 GHz	-46.49 dBm	-33.49 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-39.41 dBm	-29.41 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-25.80 dBm	-15.80 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50082 GHz	20.67 dBm	-9.33 dB

Date: 9.FEB.2023 04:05:30

Highest Band Edge / 1 RB

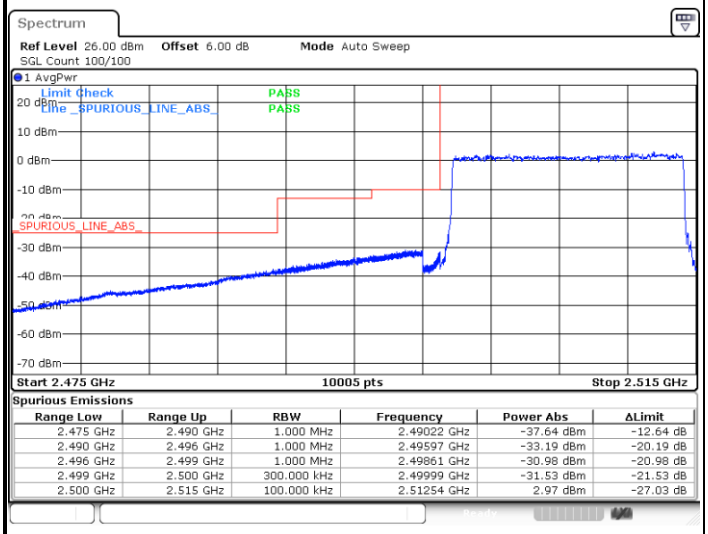


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	21.08 dBm	-8.92 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57005 GHz	-24.89 dBm	-14.89 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-39.25 dBm	-29.25 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57799 GHz	-46.99 dBm	-33.99 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58851 GHz	-52.75 dBm	-27.75 dB

Date: 9.FEB.2023 04:11:58

Lowest Band Edge / Full RB

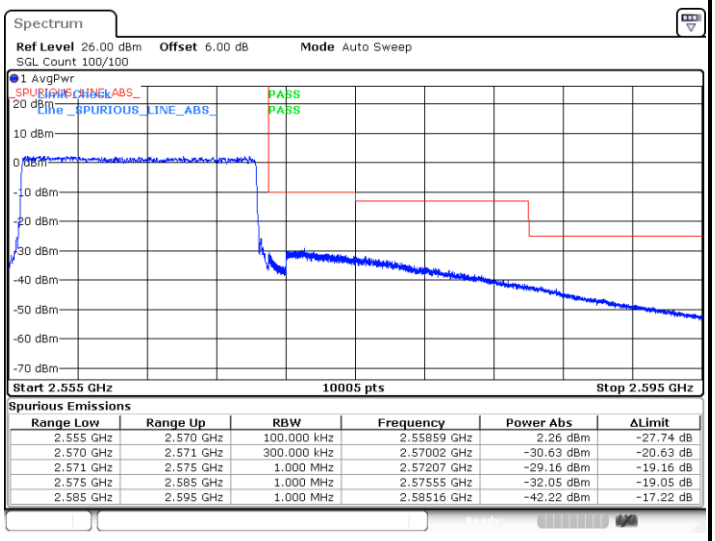


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49022 GHz	-37.64 dBm	-12.64 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49597 GHz	-33.19 dBm	-20.19 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49861 GHz	-30.98 dBm	-20.98 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49999 GHz	-31.53 dBm	-21.53 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51254 GHz	2.97 dBm	-27.03 dB

Date: 9.FEB.2023 04:03:00

Highest Band Edge / Full RB



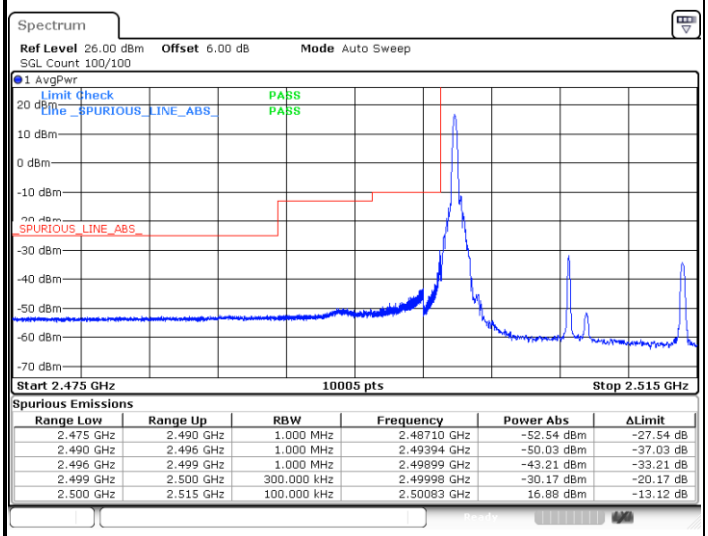
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55859 GHz	2.26 dBm	-27.74 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-30.63 dBm	-20.63 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57207 GHz	-29.16 dBm	-19.16 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57555 GHz	-32.05 dBm	-19.05 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58516 GHz	-42.22 dBm	-17.22 dB

Date: 9.FEB.2023 04:14:28

LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB

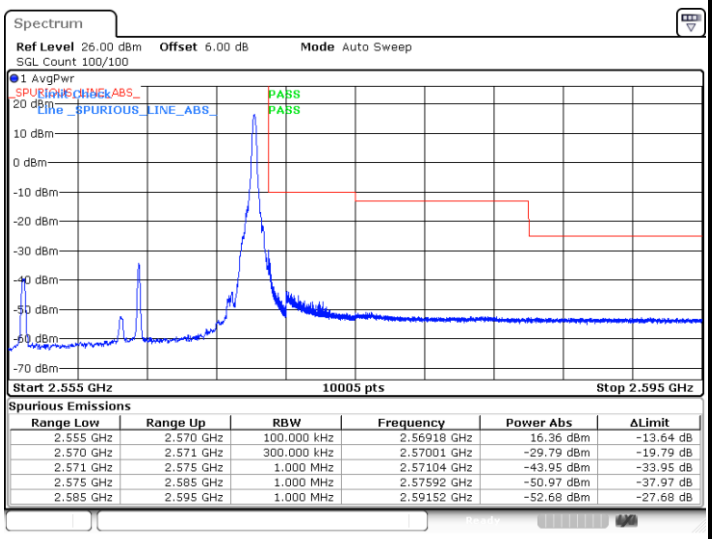


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48710 GHz	-52.54 dBm	-27.54 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49394 GHz	-50.03 dBm	-37.03 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-43.21 dBm	-33.21 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-30.17 dBm	-20.17 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50083 GHz	16.88 dBm	-13.12 dB

Date: 20.FEB.2023 20:41:56

Highest Band Edge / 1 RB

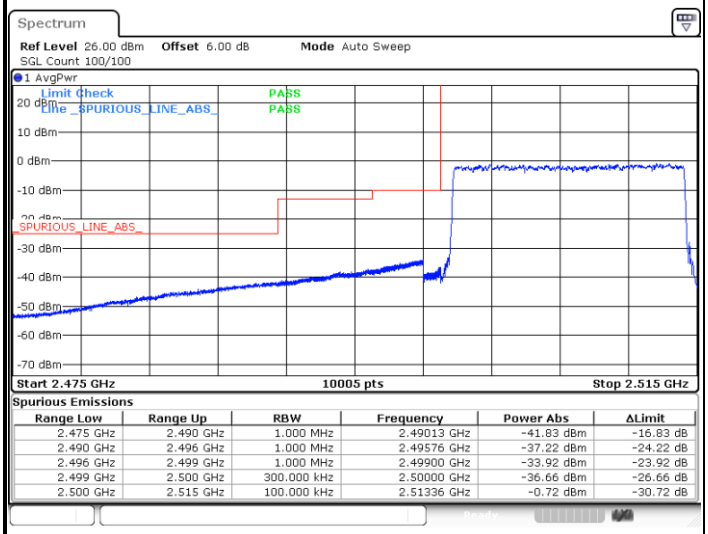


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56918 GHz	16.36 dBm	-13.64 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-29.79 dBm	-19.79 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-43.95 dBm	-33.95 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57592 GHz	-50.97 dBm	-37.97 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.59152 GHz	-52.68 dBm	-27.68 dB

Date: 20.FEB.2023 20:44:32

Lowest Band Edge / Full RB

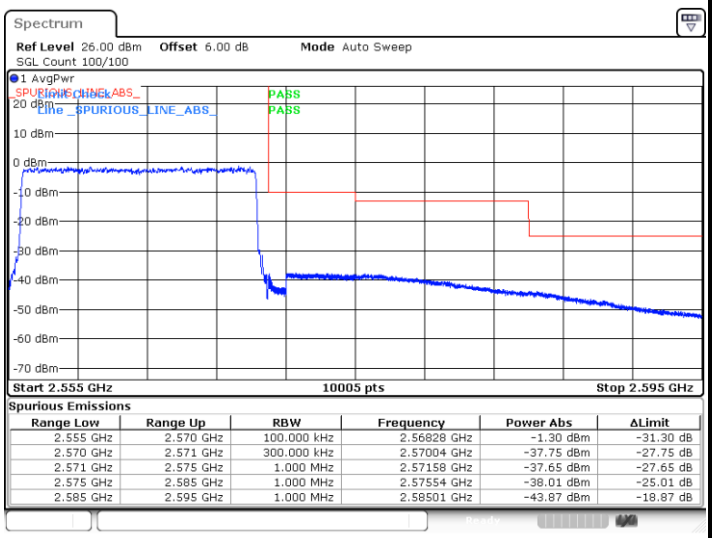


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49013 GHz	-41.83 dBm	-16.83 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49576 GHz	-37.22 dBm	-24.22 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-33.92 dBm	-23.92 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.50000 GHz	-36.66 dBm	-26.66 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51336 GHz	-0.72 dBm	-30.72 dB

Date: 20.FEB.2023 20:40:32

Highest Band Edge / Full RB



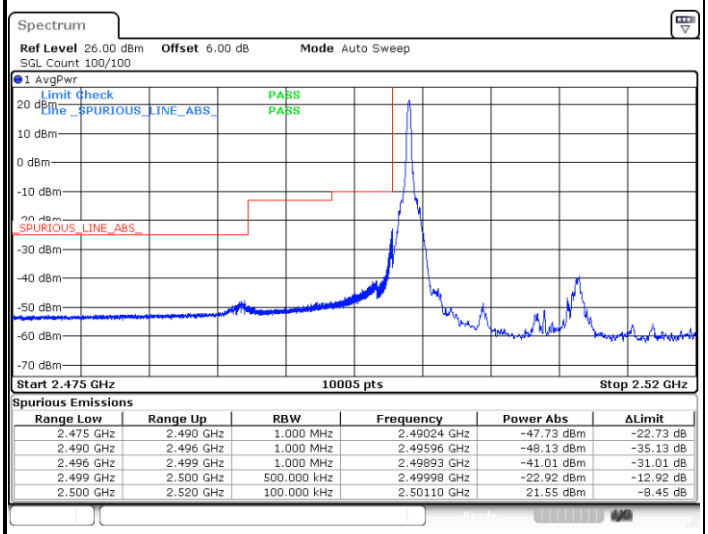
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56828 GHz	-1.30 dBm	-31.30 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57004 GHz	-37.75 dBm	-27.75 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57158 GHz	-37.65 dBm	-27.65 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57554 GHz	-38.01 dBm	-25.01 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58501 GHz	-43.87 dBm	-18.87 dB

Date: 20.FEB.2023 20:45:55

LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

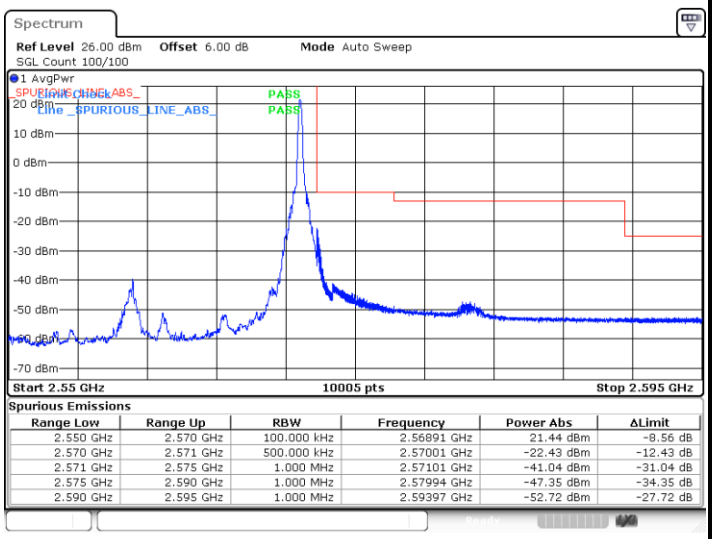


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49024 GHz	-47.73 dBm	-22.73 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49596 GHz	-48.13 dBm	-35.13 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49893 GHz	-41.01 dBm	-31.01 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-22.92 dBm	-12.92 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50110 GHz	21.55 dBm	-8.45 dB

Date: 9.FEB.2023 04:17:48

Highest Band Edge / 1 RB

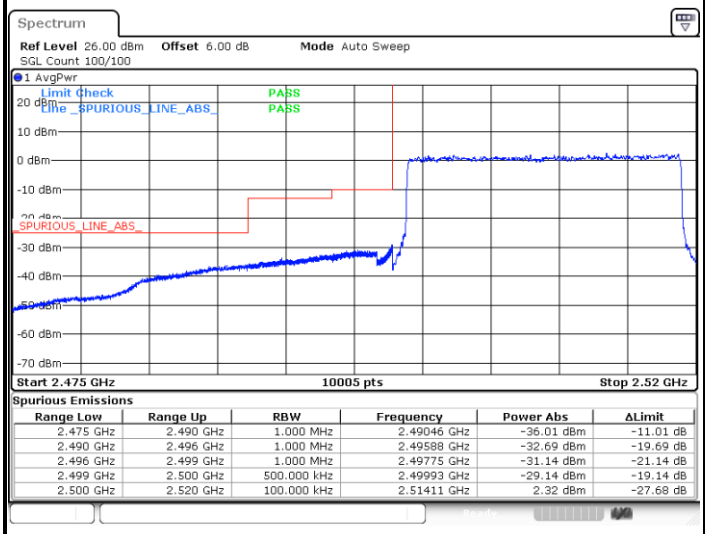


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56891 GHz	21.44 dBm	-8.56 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-22.43 dBm	-12.43 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-41.04 dBm	-31.04 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57994 GHz	-47.35 dBm	-34.35 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59397 GHz	-52.72 dBm	-27.72 dB

Date: 9.FEB.2023 04:24:17

Lowest Band Edge / Full RB

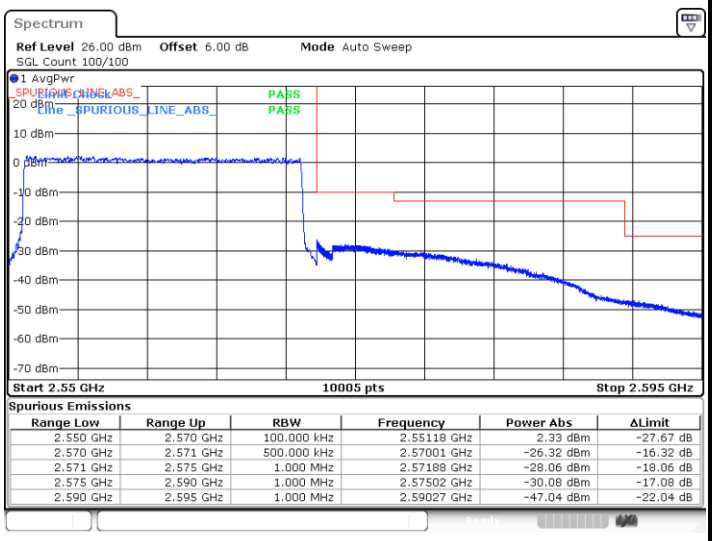


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49046 GHz	-36.01 dBm	-11.01 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49588 GHz	-32.69 dBm	-19.69 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49775 GHz	-31.14 dBm	-21.14 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49993 GHz	-29.14 dBm	-19.14 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51411 GHz	2.32 dBm	-27.68 dB

Date: 9.FEB.2023 04:15:18

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	2.55118 GHz	2.33 dBm	-27.67 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-26.32 dBm	-16.32 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57188 GHz	-28.06 dBm	-18.06 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57502 GHz	-30.08 dBm	-17.08 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59027 GHz	-47.04 dBm	-22.04 dB

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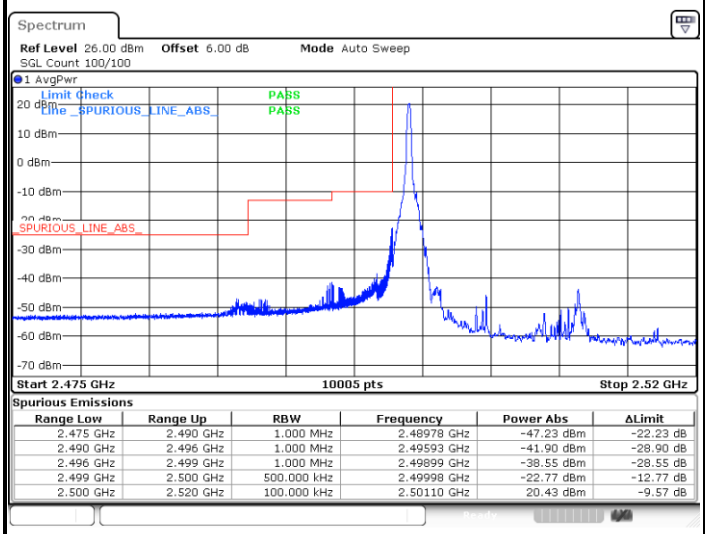
LTE Band 7 / 20MHz / 16QAM

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	2.48978 GHz	-47.23 dBm	-22.23 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49593 GHz	-41.90 dBm	-28.90 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-38.55 dBm	-28.55 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-22.77 dBm	-12.77 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50110 GHz	20.43 dBm	-9.57 dB

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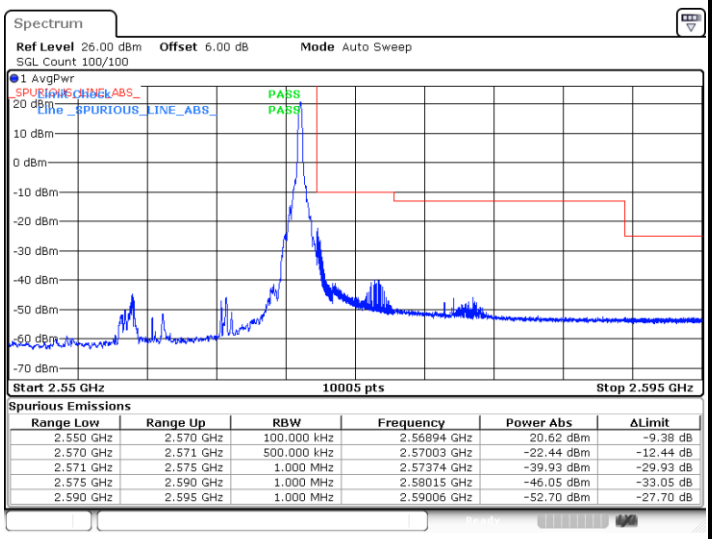
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56894 GHz	20.62 dBm	-9.38 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57003 GHz	-22.44 dBm	-12.44 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57374 GHz	-39.93 dBm	-29.93 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.58015 GHz	-46.05 dBm	-33.05 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59006 GHz	-52.70 dBm	-27.70 dB

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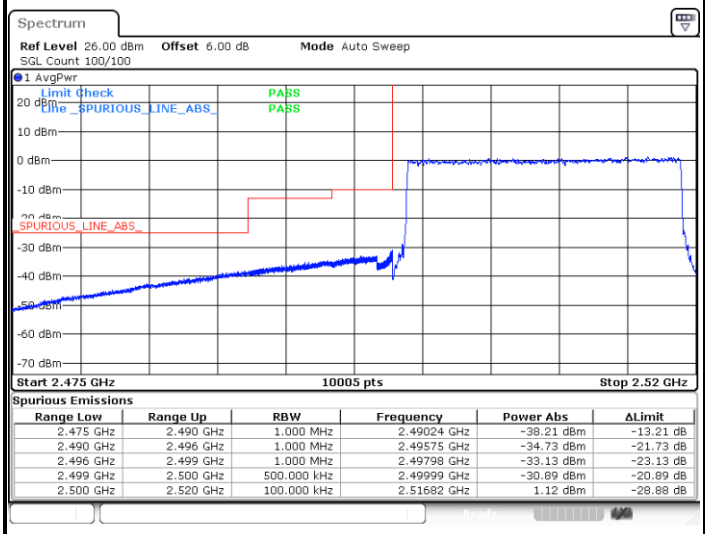
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49024 GHz	-38.21 dBm	-13.21 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49575 GHz	-34.73 dBm	-21.73 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49798 GHz	-33.13 dBm	-23.13 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-30.89 dBm	-20.89 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51682 GHz	1.12 dBm	-28.88 dB

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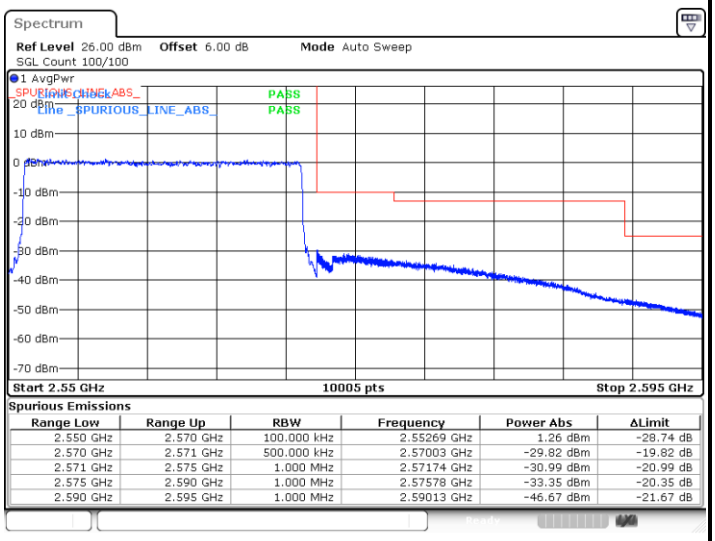
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55269 GHz	1.26 dBm	-28.74 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57003 GHz	-29.82 dBm	-19.82 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57174 GHz	-30.99 dBm	-20.99 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57578 GHz	-33.35 dBm	-20.35 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59013 GHz	-46.67 dBm	-21.67 dB

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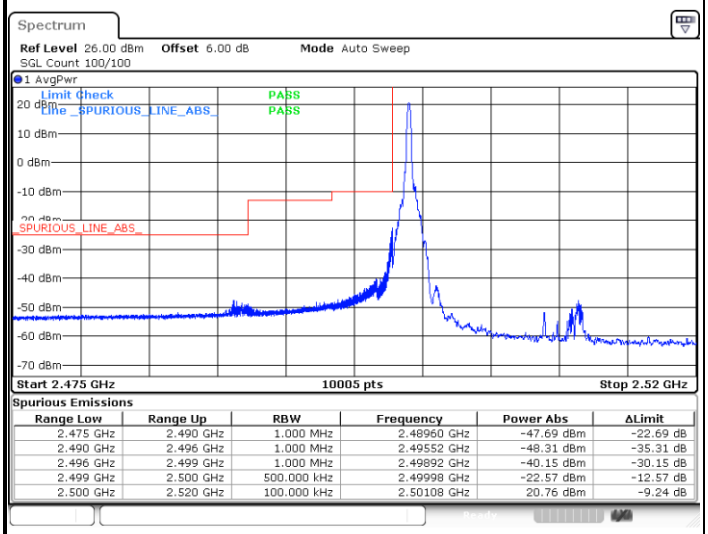
LTE Band 7 / 20MHz / 64QAM

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	2.48960 GHz	-47.69 dBm	-22.69 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49552 GHz	-48.31 dBm	-35.31 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-40.15 dBm	-30.15 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-22.57 dBm	-12.57 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50108 GHz	20.76 dBm	-9.24 dB

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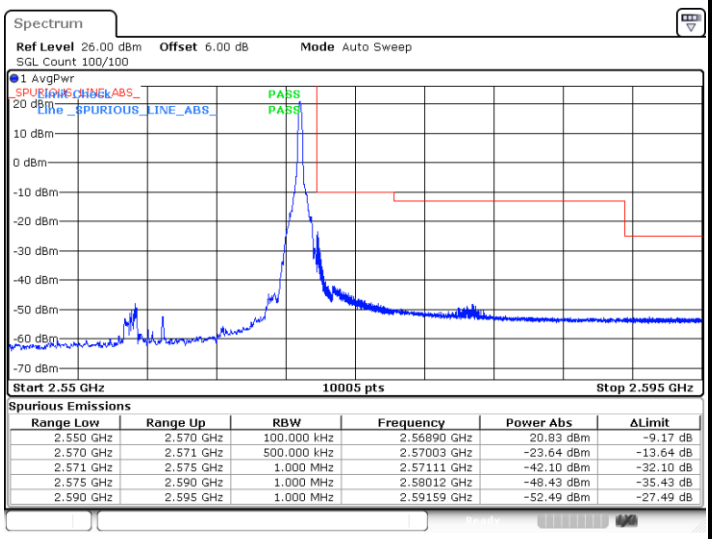
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56890 GHz	20.83 dBm	-9.17 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57003 GHz	-23.64 dBm	-13.64 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57111 GHz	-42.10 dBm	-32.10 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.58012 GHz	-48.43 dBm	-35.43 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59159 GHz	-52.49 dBm	-27.49 dB

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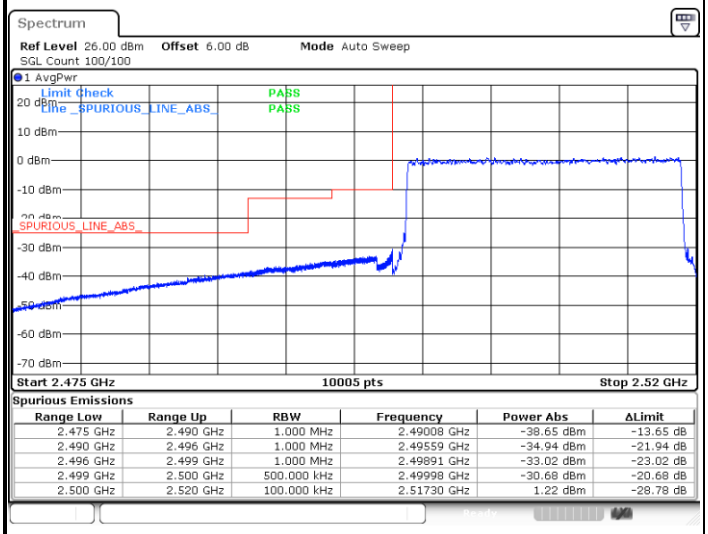
Lowest Band Edge / Full RB

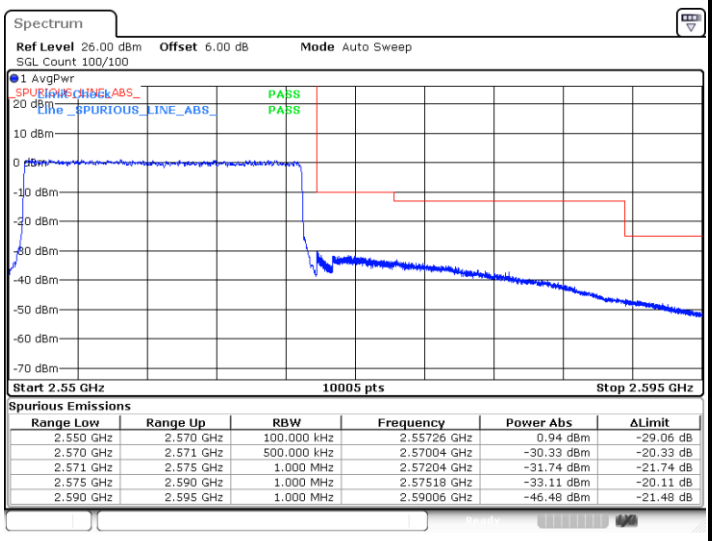


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49008 GHz	-38.65 dBm	-13.65 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49559 GHz	-34.94 dBm	-21.94 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-33.02 dBm	-23.02 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-30.68 dBm	-20.68 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51730 GHz	1.22 dBm	-28.78 dB

Date: 9.FEB.2023 04:16:58

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	2.55726 GHz	0.94 dBm	-29.06 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57004 GHz	-30.33 dBm	-20.33 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57204 GHz	-31.74 dBm	-21.74 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57518 GHz	-33.11 dBm	-20.11 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59006 GHz	-46.48 dBm	-21.48 dB

Date: 9.FEB.2023 04:28:26