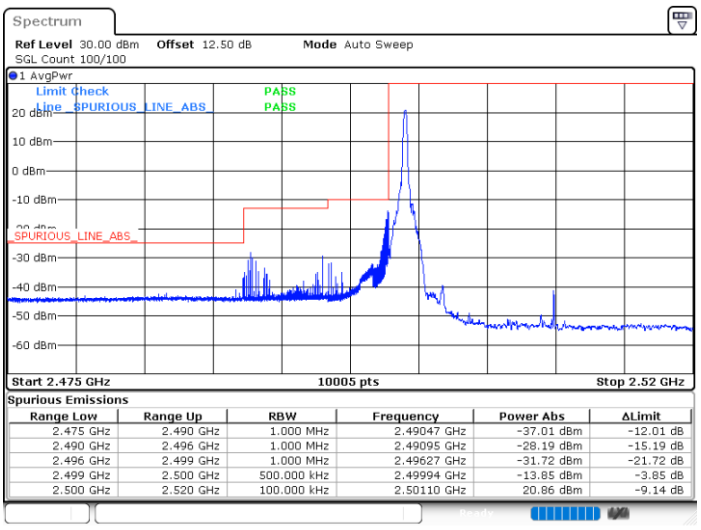
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

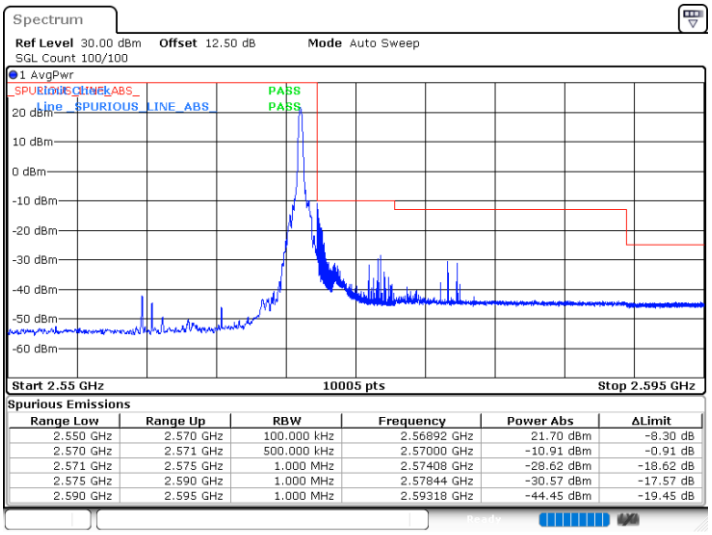


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-37.01 dBm	-12.01 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49095 GHz	-28.19 dBm	-15.19 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49627 GHz	-31.72 dBm	-21.72 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49994 GHz	-13.85 dBm	-3.85 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50110 GHz	20.86 dBm	-9.14 dB

Date: 31.AUG.2022 19:49:08

Highest Band Edge / 1 RB

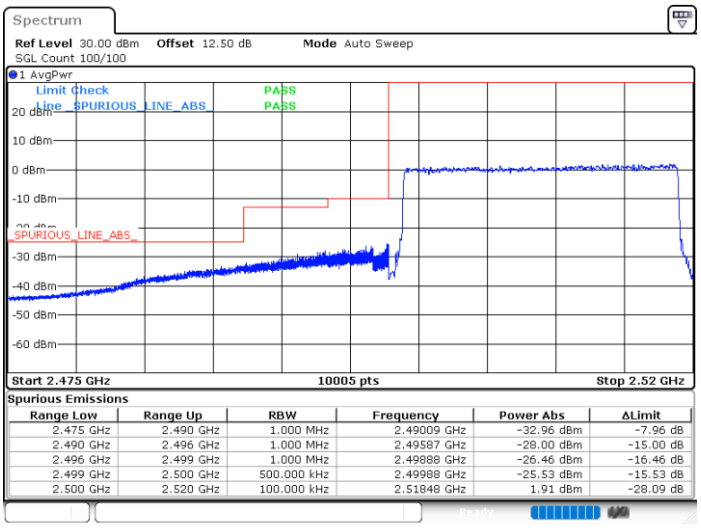


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56892 GHz	21.70 dBm	-8.30 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-10.91 dBm	-0.91 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57408 GHz	-28.62 dBm	-18.62 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57844 GHz	-30.57 dBm	-17.57 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59318 GHz	-44.45 dBm	-19.45 dB

Date: 31.AUG.2022 19:56:36

Lowest Band Edge / Full RB

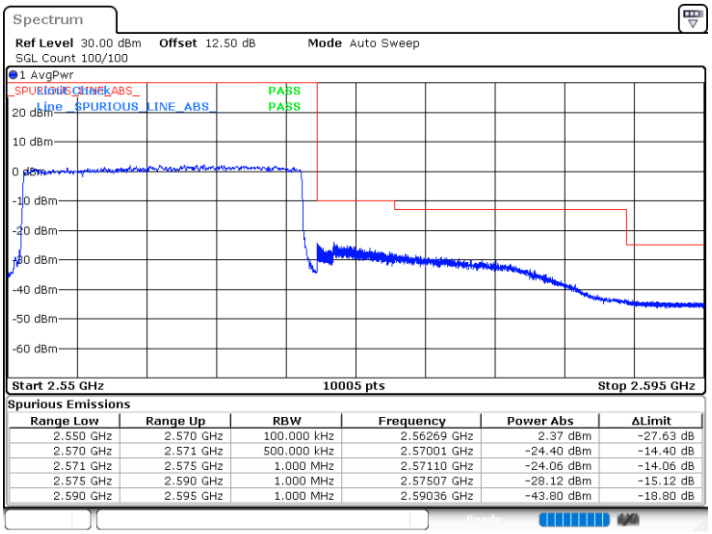


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49009 GHz	-32.96 dBm	-7.96 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49587 GHz	-28.00 dBm	-15.00 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49888 GHz	-26.46 dBm	-16.46 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49988 GHz	-25.53 dBm	-15.53 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51848 GHz	1.91 dBm	-28.09 dB

Date: 31.AUG.2022 19:50:47

Highest Band Edge / Full RB



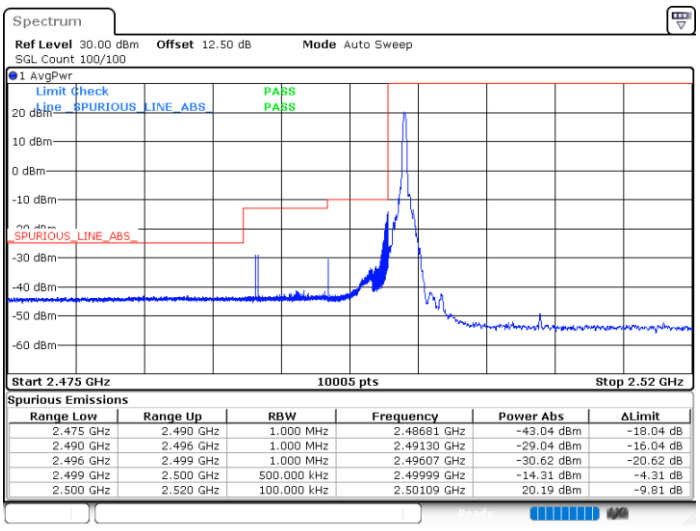
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56269 GHz	2.37 dBm	-27.63 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-24.40 dBm	-14.40 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57110 GHz	-24.06 dBm	-14.06 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57507 GHz	-28.12 dBm	-15.12 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59036 GHz	-43.80 dBm	-18.80 dB

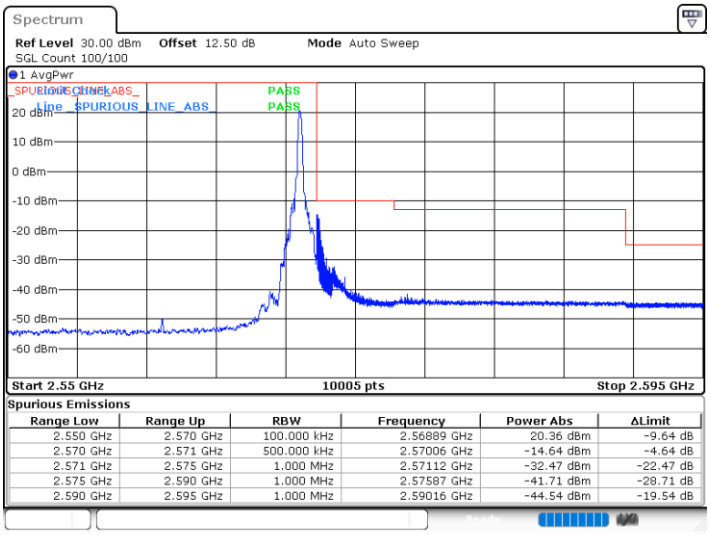
Date: 31.AUG.2022 19:57:25

LTE Band 7 / 20MHz / 64QAM

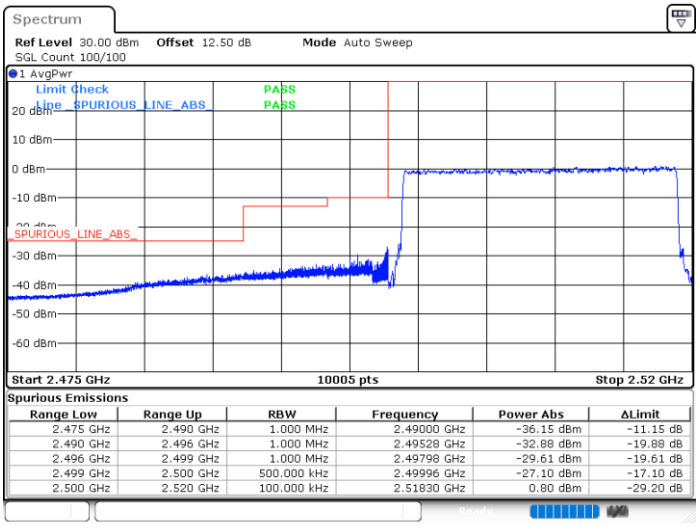
Lowest Band Edge / 1 RB



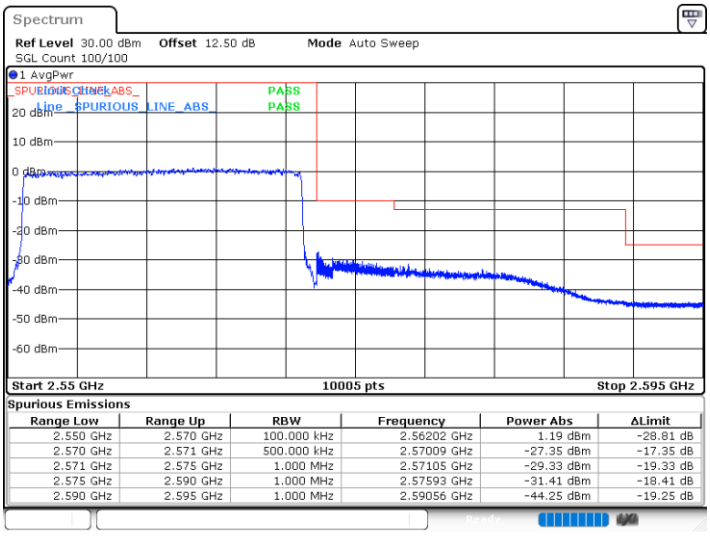
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

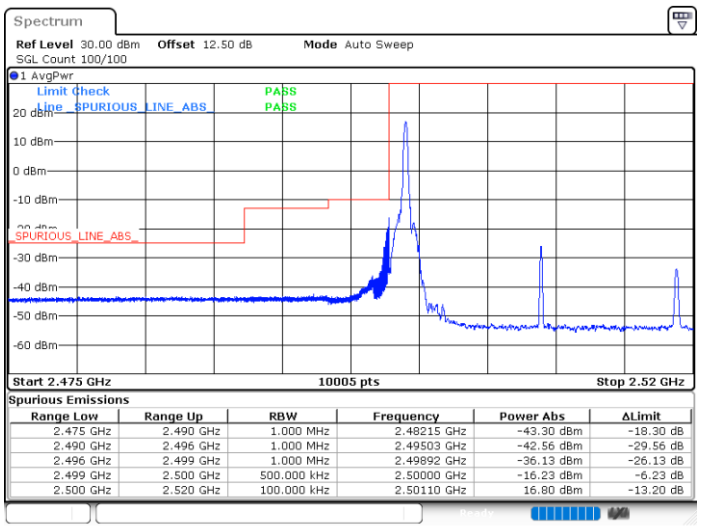


Highest Band Edge / Full RB



LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

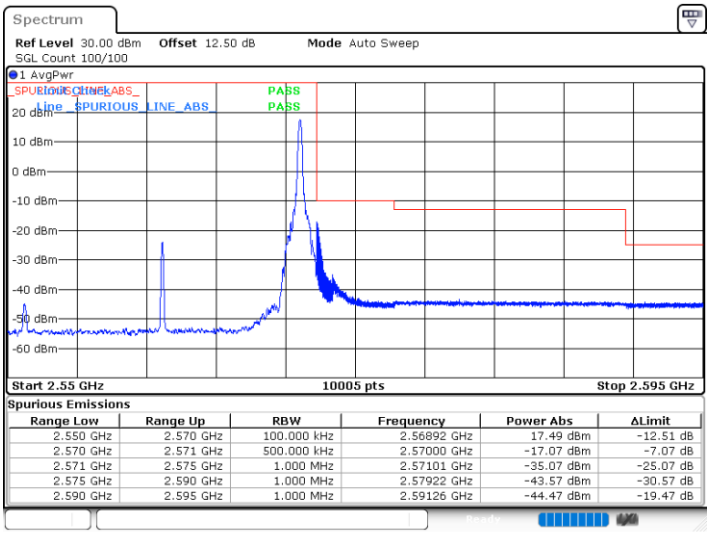


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48215 GHz	-43.30 dBm	-18.30 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49503 GHz	-42.56 dBm	-29.56 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49892 GHz	-36.13 dBm	-26.13 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.50000 GHz	-16.23 dBm	-6.23 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50110 GHz	16.80 dBm	-13.20 dB

Date: 31.AUG.2022 20:33:53

Highest Band Edge / 1 RB

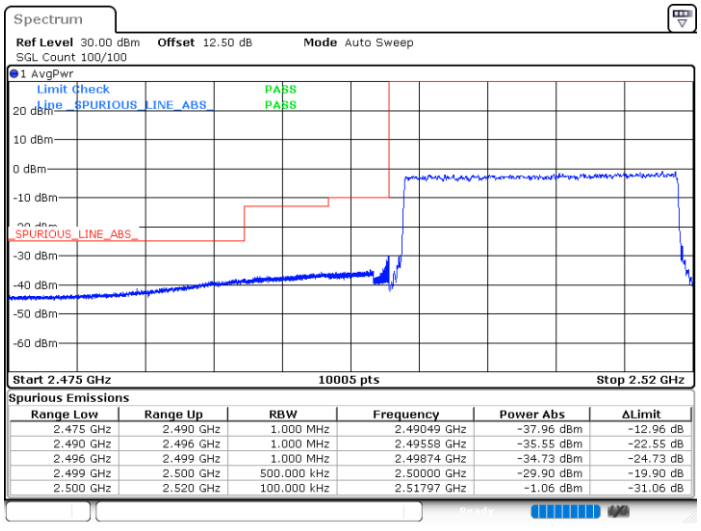


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56892 GHz	17.49 dBm	-12.51 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-17.07 dBm	-7.07 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-35.07 dBm	-25.07 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57922 GHz	-43.57 dBm	-30.57 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59126 GHz	-44.47 dBm	-19.47 dB

Date: 31.AUG.2022 20:36:18

Lowest Band Edge / Full RB

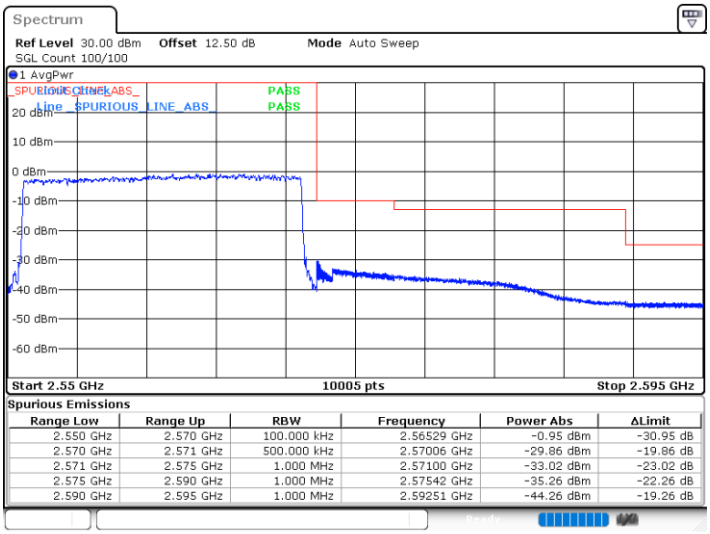


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49049 GHz	-37.96 dBm	-12.96 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49558 GHz	-35.55 dBm	-22.55 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49874 GHz	-34.73 dBm	-24.73 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.50000 GHz	-29.90 dBm	-19.90 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51797 GHz	-1.06 dBm	-31.06 dB

Date: 31.AUG.2022 20:34:46

Highest Band Edge / Full RB



Spurious Emissions

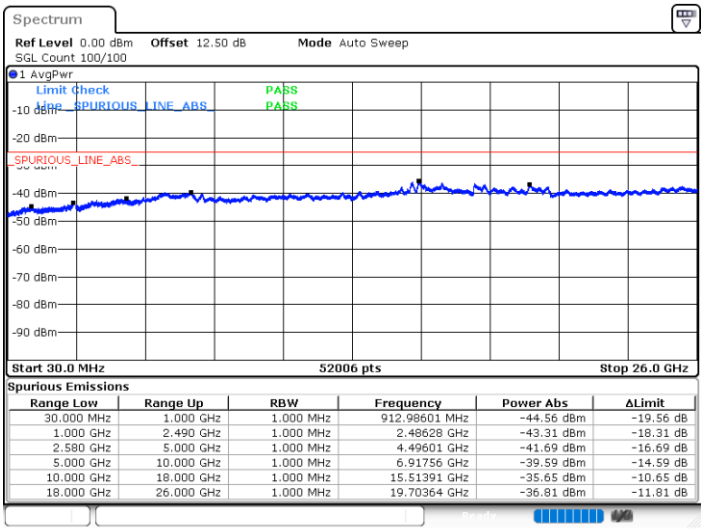
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56529 GHz	-0.95 dBm	-30.95 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57006 GHz	-29.86 dBm	-19.86 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-33.02 dBm	-23.02 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57542 GHz	-35.26 dBm	-22.26 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59251 GHz	-44.26 dBm	-19.26 dB

Date: 31.AUG.2022 20:37:09

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

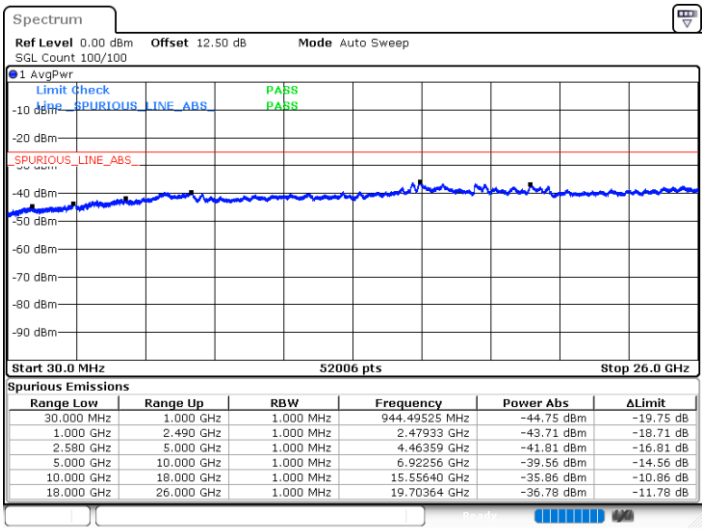


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.98601 MHz	-44.56 dBm	-19.56 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48628 GHz	-43.31 dBm	-18.31 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.49601 GHz	-41.69 dBm	-16.69 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.91756 GHz	-39.59 dBm	-14.59 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.51391 GHz	-35.65 dBm	-10.65 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.70364 GHz	-36.81 dBm	-11.81 dB

Date: 31.AUG.2022 18:56:02

Middle Channel / QPSK

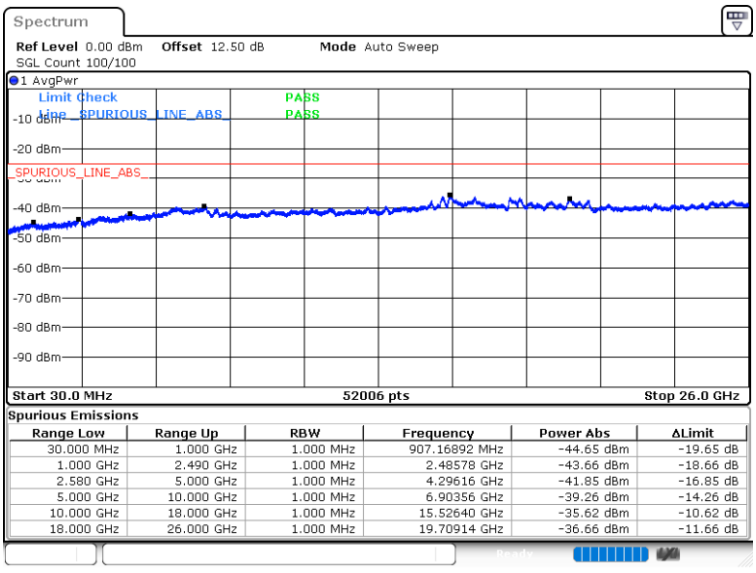


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-44.75 dBm	-19.75 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47933 GHz	-43.71 dBm	-18.71 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.46359 GHz	-41.81 dBm	-16.81 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92256 GHz	-39.56 dBm	-14.56 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.55640 GHz	-35.86 dBm	-10.86 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.70364 GHz	-36.78 dBm	-11.78 dB

Date: 31.AUG.2022 18:59:06

Highest Channel / QPSK



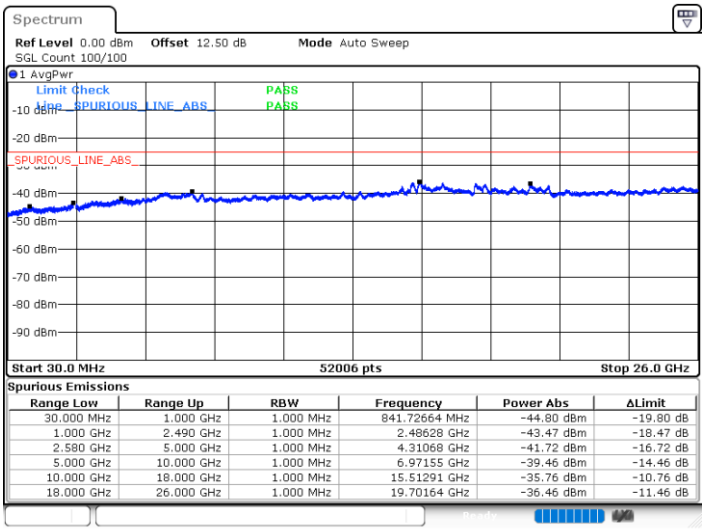
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-44.65 dBm	-19.65 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48578 GHz	-43.66 dBm	-18.66 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29616 GHz	-41.85 dBm	-16.85 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.90356 GHz	-39.26 dBm	-14.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.52640 GHz	-35.62 dBm	-10.62 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.70914 GHz	-36.66 dBm	-11.66 dB

Date: 31.AUG.2022 19:03:29

LTE Band 7 / 10MHz

Lowest Channel / QPSK

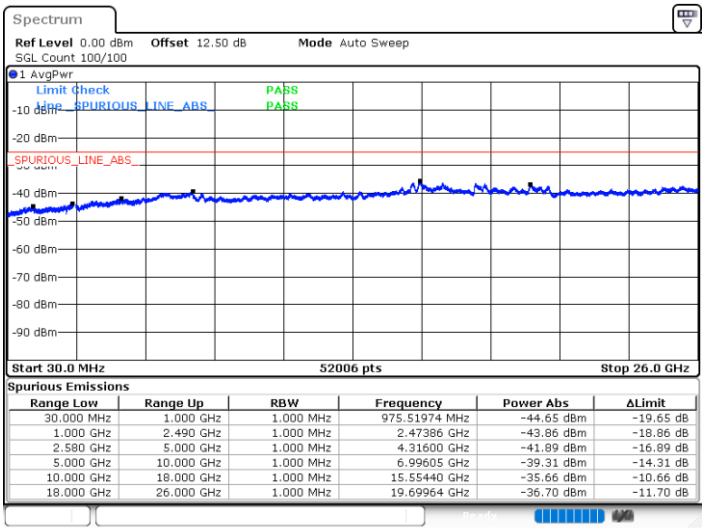


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	841.72664 MHz	-44.80 dBm	-19.80 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48628 GHz	-43.47 dBm	-18.47 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31068 GHz	-41.72 dBm	-16.72 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97155 GHz	-39.46 dBm	-14.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.51291 GHz	-35.76 dBm	-10.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.70164 GHz	-36.46 dBm	-11.46 dB

Date: 31.AUG.2022 19:19:59

Middle Channel / QPSK

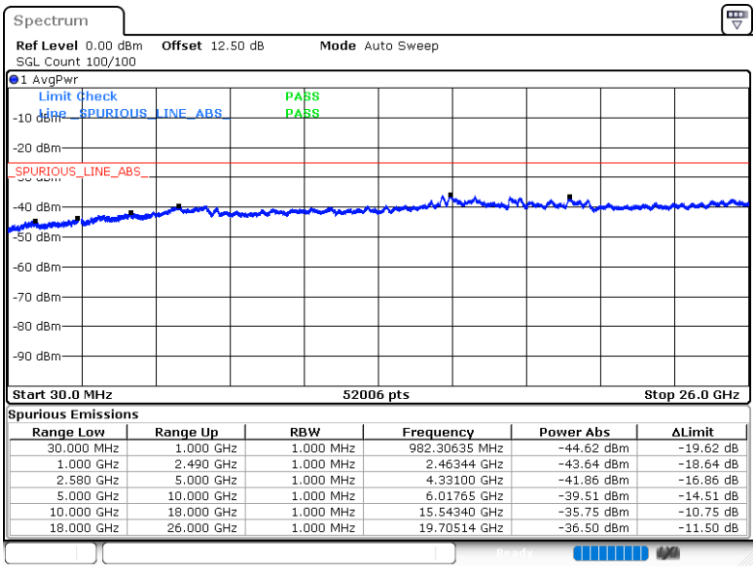


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.51974 MHz	-44.65 dBm	-19.65 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47386 GHz	-43.86 dBm	-18.86 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31600 GHz	-41.89 dBm	-16.89 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99605 GHz	-39.31 dBm	-14.31 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.55440 GHz	-35.66 dBm	-10.66 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.69964 GHz	-36.70 dBm	-11.70 dB

Date: 31.AUG.2022 19:23:03

Highest Channel / QPSK



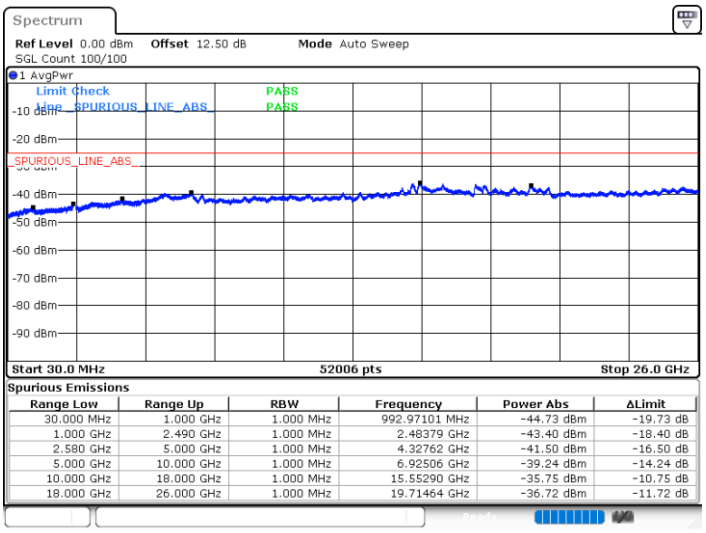
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-44.62 dBm	-19.62 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46344 GHz	-43.64 dBm	-18.64 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.33100 GHz	-41.86 dBm	-16.86 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.01765 GHz	-39.51 dBm	-14.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.54340 GHz	-35.75 dBm	-10.75 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.70514 GHz	-36.50 dBm	-11.50 dB

Date: 31.AUG.2022 19:27:26

LTE Band 7 / 15MHz

Lowest Channel / QPSK

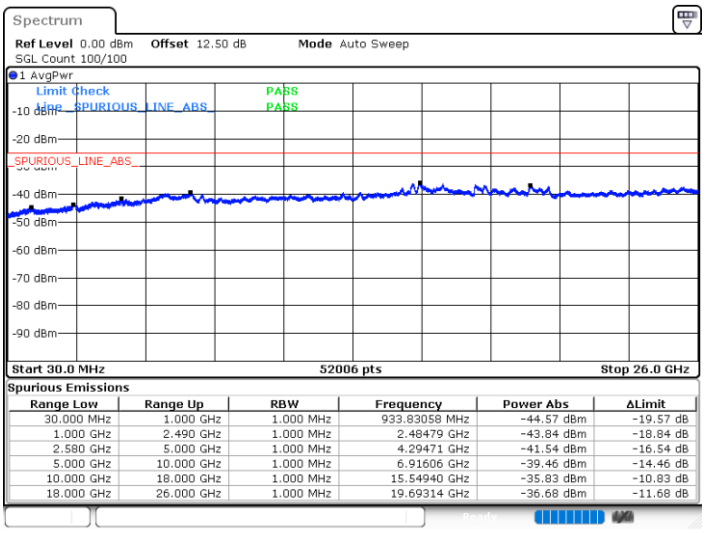


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-44.73 dBm	-19.73 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-43.40 dBm	-18.40 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.32762 GHz	-41.50 dBm	-16.50 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92506 GHz	-39.24 dBm	-14.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.55290 GHz	-35.75 dBm	-10.75 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.71464 GHz	-36.72 dBm	-11.72 dB

Date: 31.AUG.2022 19:35:56

Middle Channel / QPSK

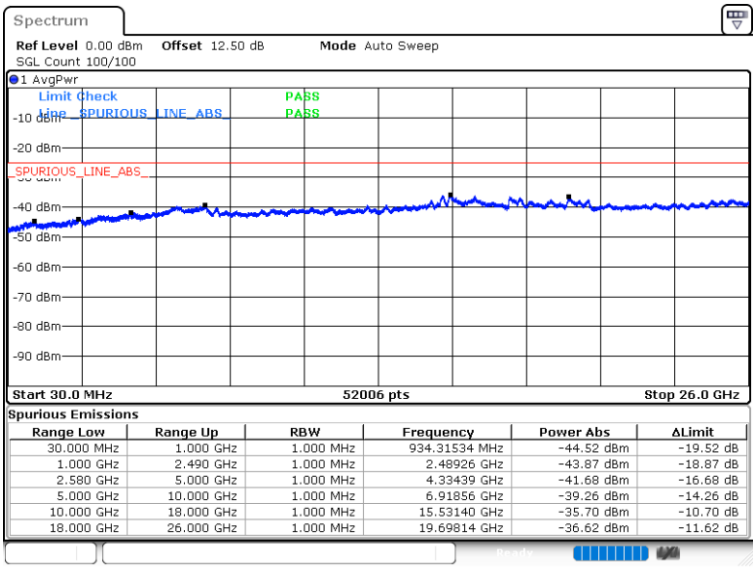


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.83058 MHz	-44.57 dBm	-19.57 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48479 GHz	-43.84 dBm	-18.84 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29471 GHz	-41.54 dBm	-16.54 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.91606 GHz	-39.46 dBm	-14.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.54940 GHz	-35.83 dBm	-10.83 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.69314 GHz	-36.68 dBm	-11.68 dB

Date: 31.AUG.2022 19:39:00

Highest Channel / QPSK



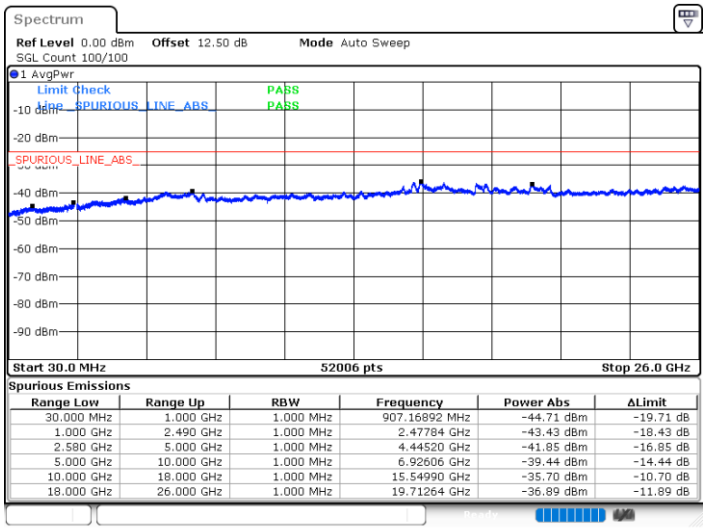
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.31534 MHz	-44.52 dBm	-19.52 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-43.87 dBm	-18.87 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.33439 GHz	-41.68 dBm	-16.68 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.91856 GHz	-39.26 dBm	-14.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.53140 GHz	-35.70 dBm	-10.70 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.69814 GHz	-36.62 dBm	-11.62 dB

Date: 31.AUG.2022 19:43:24

LTE Band 7 / 20MHz

Lowest Channel / QPSK

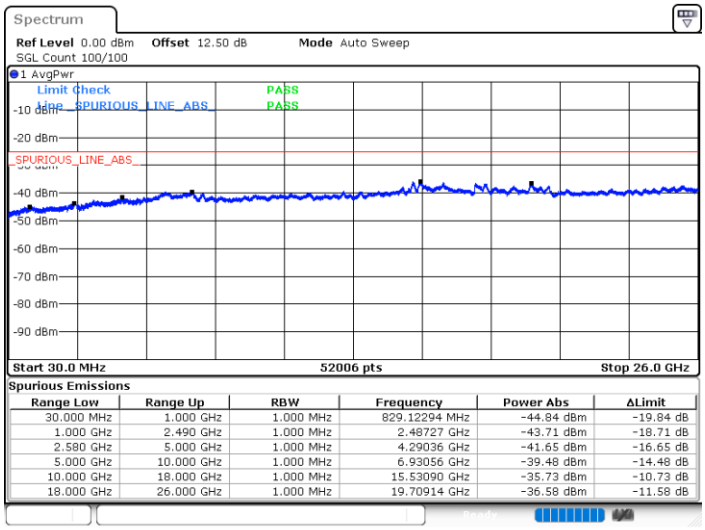


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-44.71 dBm	-19.71 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47784 GHz	-43.43 dBm	-18.43 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.44520 GHz	-41.85 dBm	-16.85 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92606 GHz	-39.44 dBm	-14.44 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.54990 GHz	-35.70 dBm	-10.70 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.71264 GHz	-36.89 dBm	-11.89 dB

Date: 31.AUG.2022 19:51:55

Middle Channel / QPSK

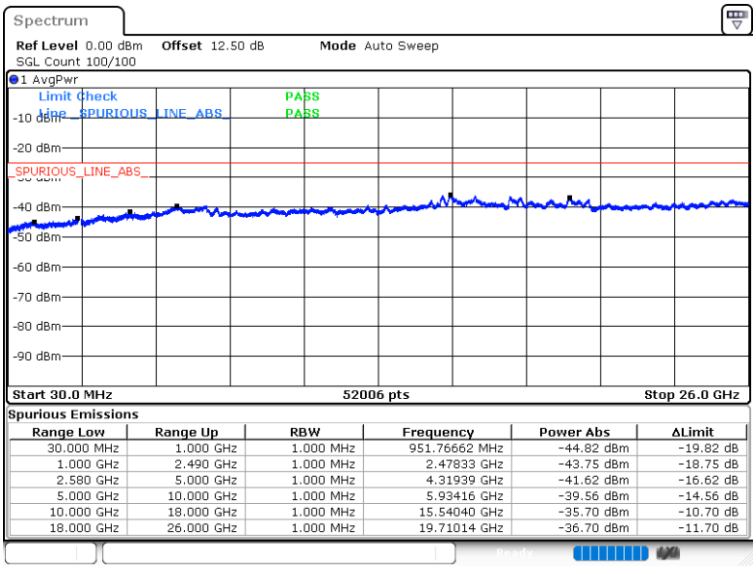


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	829.12294 MHz	-44.84 dBm	-19.84 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48727 GHz	-43.71 dBm	-18.71 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29036 GHz	-41.65 dBm	-16.65 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.93056 GHz	-39.48 dBm	-14.48 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.53090 GHz	-35.73 dBm	-10.73 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.70914 GHz	-36.58 dBm	-11.58 dB

Date: 31.AUG.2022 19:54:58

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.76662 MHz	-44.82 dBm	-19.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47833 GHz	-43.75 dBm	-18.75 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31939 GHz	-41.62 dBm	-16.62 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.93416 GHz	-39.56 dBm	-14.56 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.54040 GHz	-35.70 dBm	-10.70 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.71014 GHz	-36.70 dBm	-11.70 dB

Date: 31.AUG.2022 19:59:21

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0056	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0062	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0002	

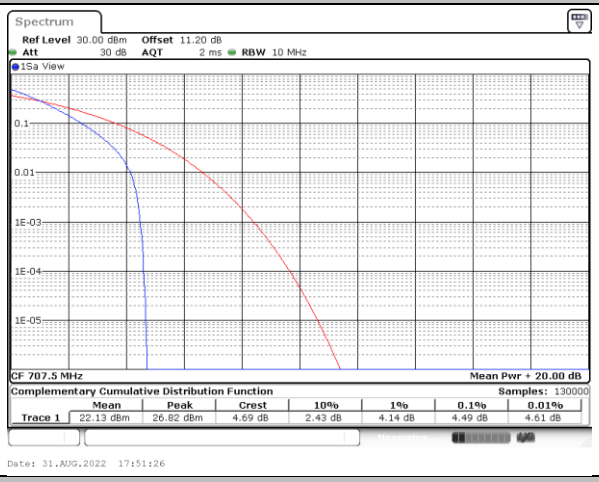
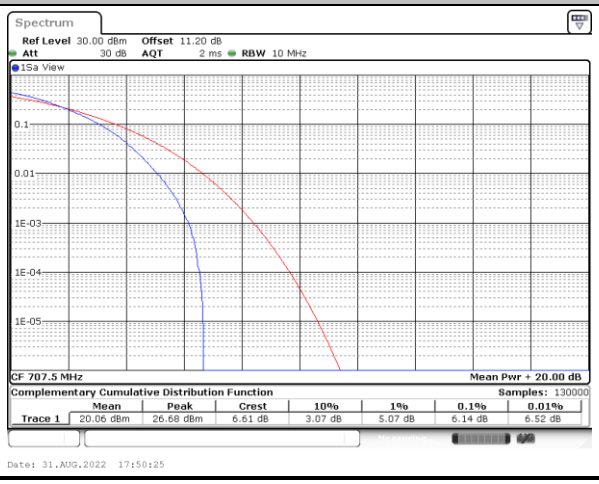
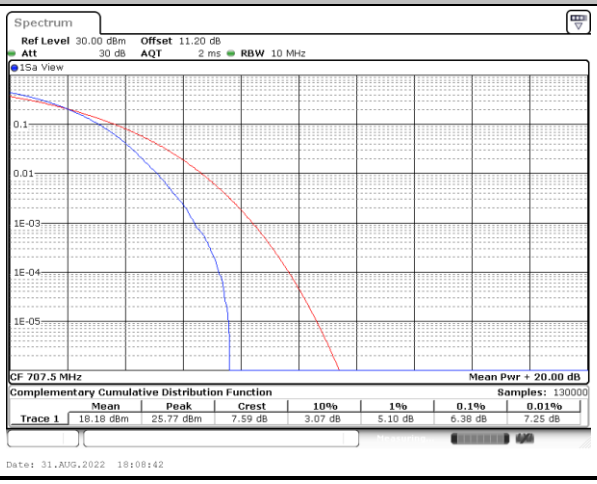
Note:

1. Normal Voltage = 3.85 V.；Battery End Point (BEP) = 3.3 V.；Maximum Voltage = 4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.49	5.45	6.14	6.38	PASS

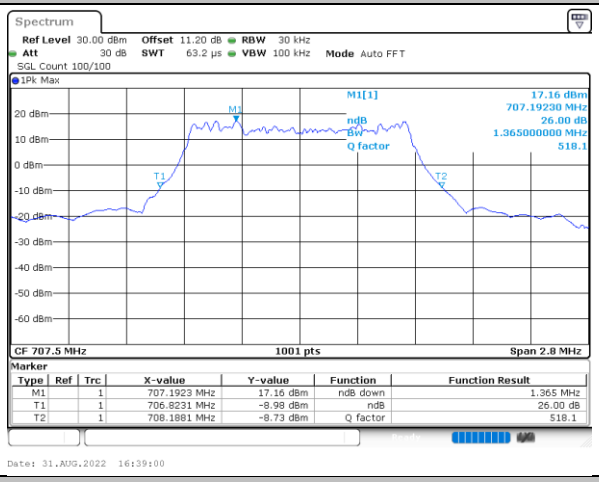
LTE Band 12 / 10MHz / QPSK	LTE Band 12 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 12 / 10MHz / 64QAM	LTE Band 12 / 10MHz / 256QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

26dB Bandwidth

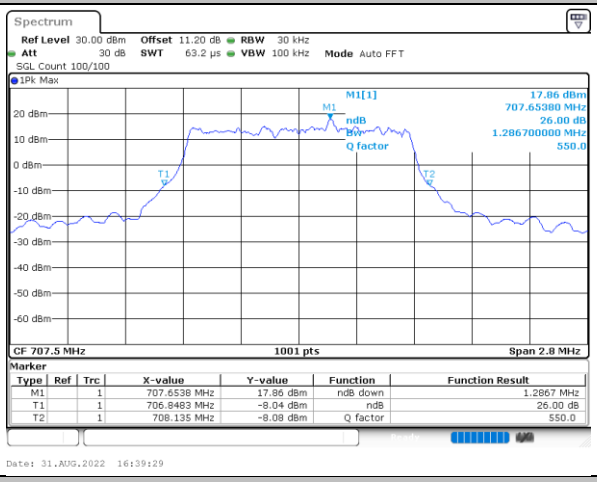
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.37	1.29	3.09	2.97	5.11	5.11	9.85	9.83	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.37	1.33	3.10	3.11	5.00	4.98	9.81	9.65	-	-	-	-

LTE Band 12

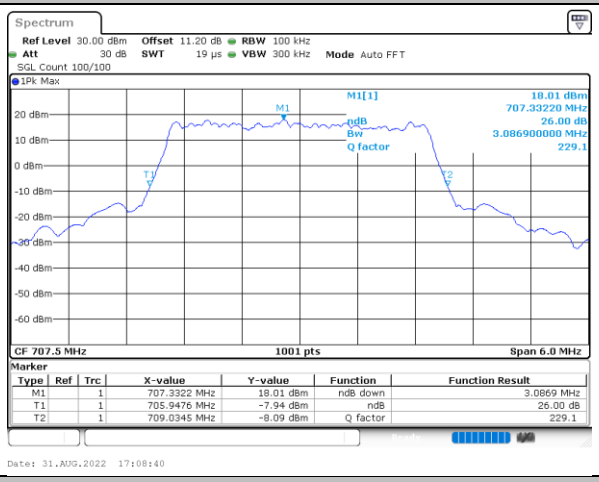
Middle Channel / 1.4MHz / QPSK



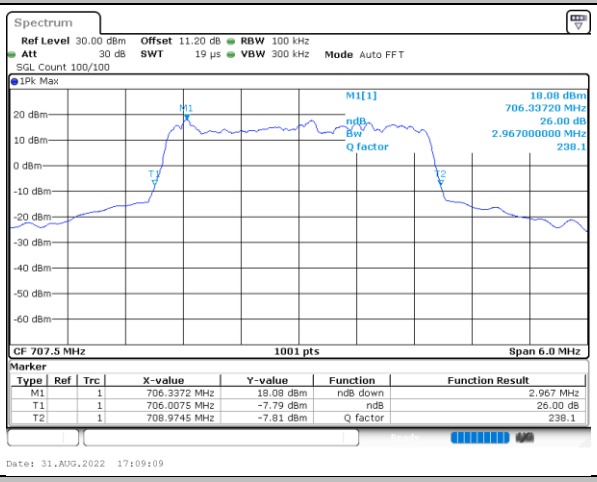
Middle Channel / 1.4MHz / 16QAM



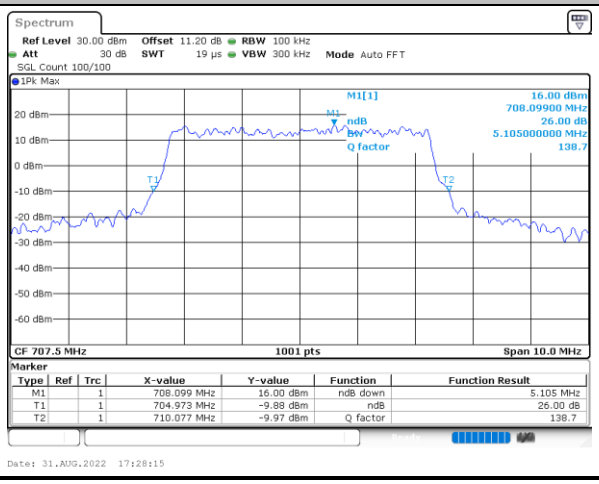
Middle Channel / 3MHz / QPSK



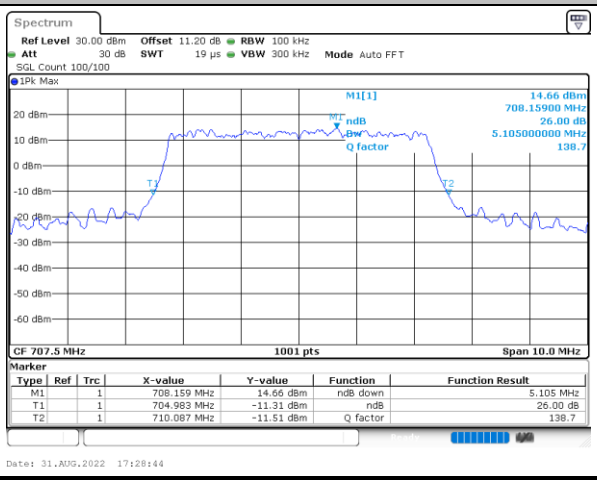
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

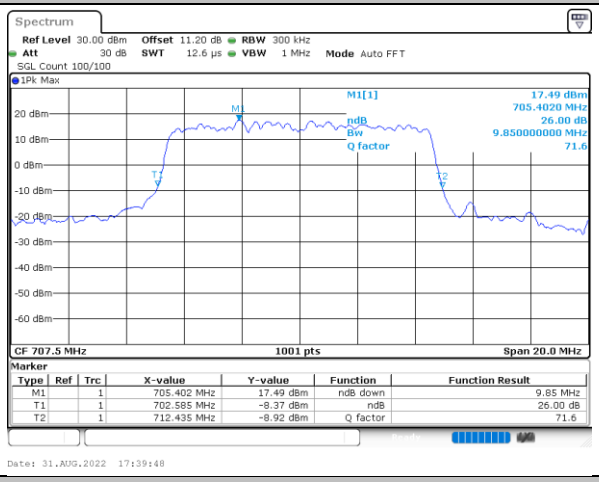


Middle Channel / 5MHz / 16QAM

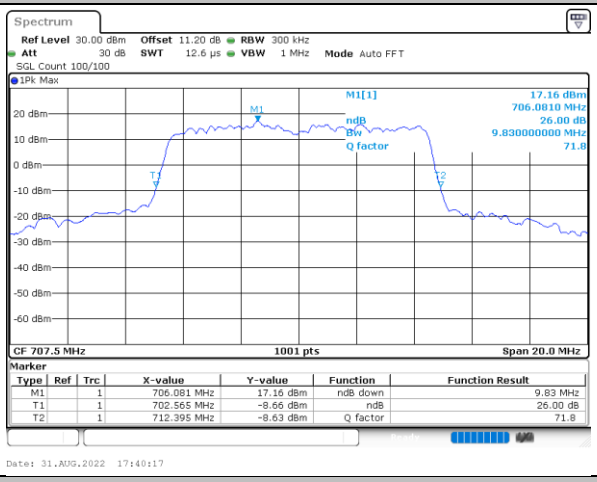


LTE Band 12

Middle Channel / 10MHz / QPSK

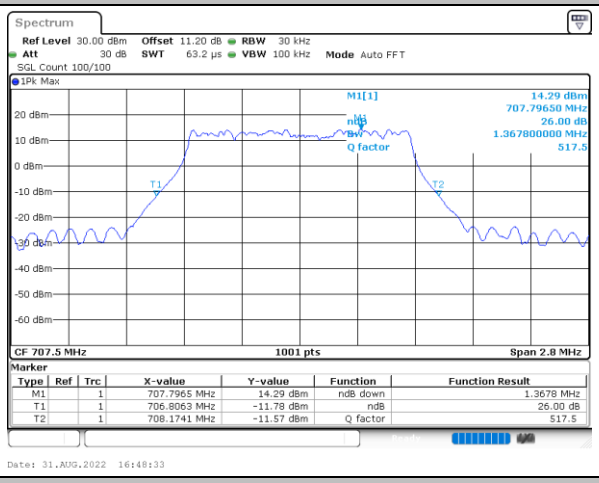


Middle Channel / 10MHz / 16QAM

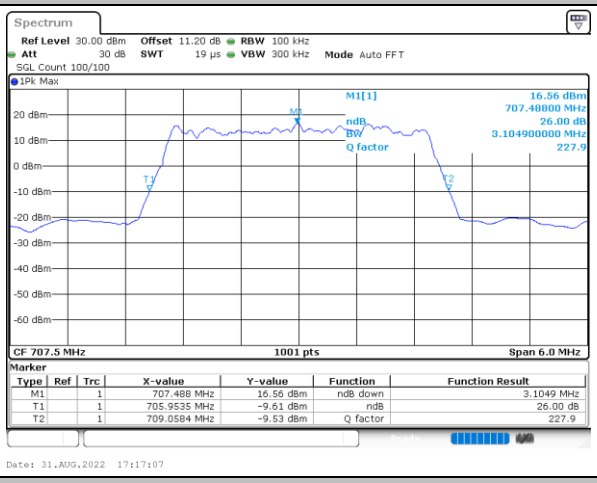


LTE Band 12

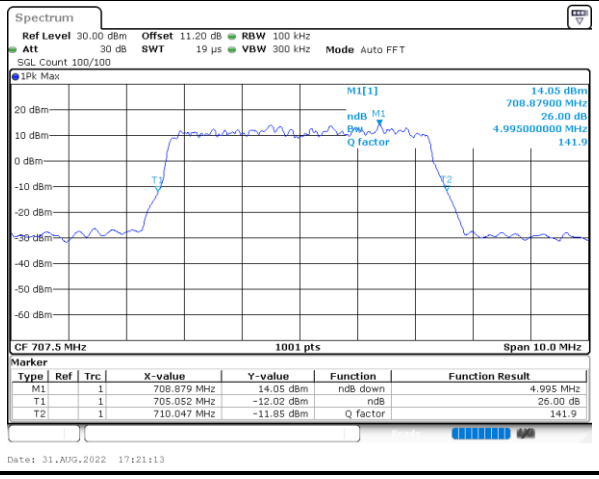
Middle Channel / 1.4MHz / 64QAM



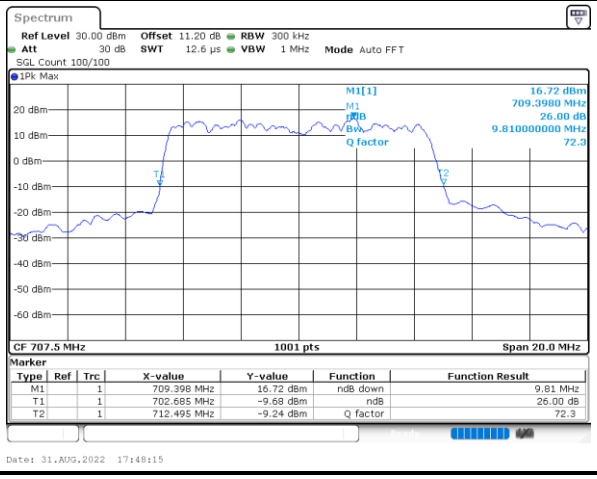
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM

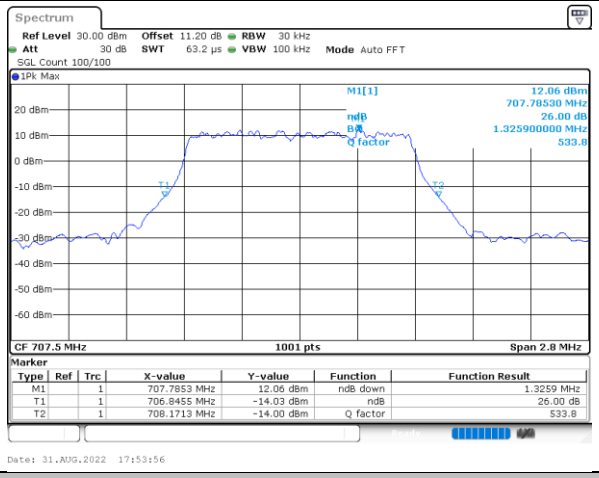


Middle Channel / 10MHz / 64QAM

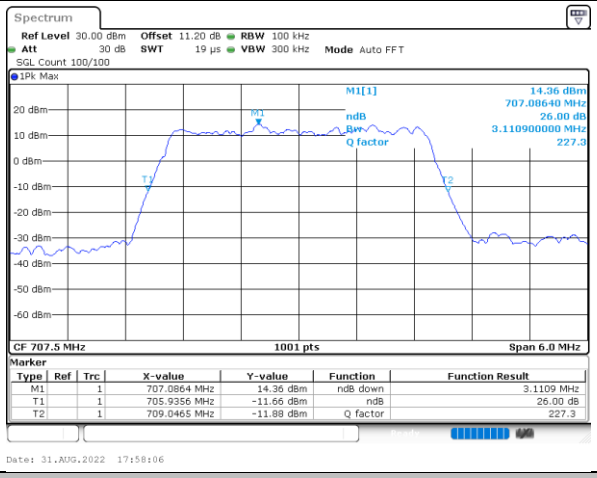


LTE Band 12

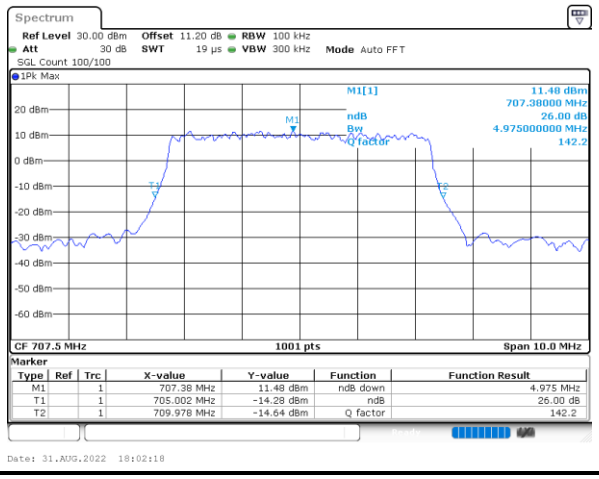
Middle Channel / 1.4MHz / 256QAM



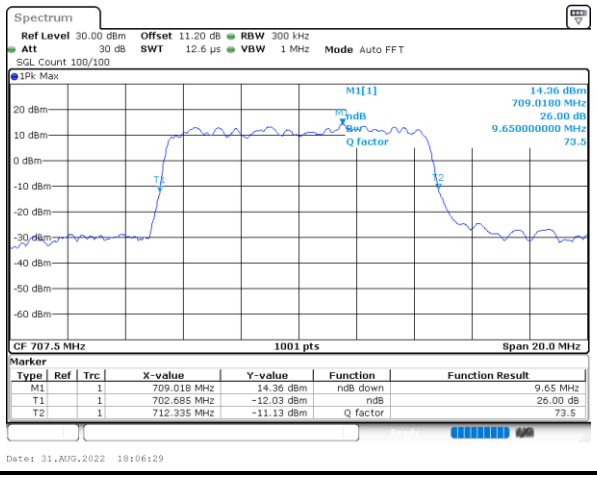
Middle Channel / 3MHz / 256QAM



Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

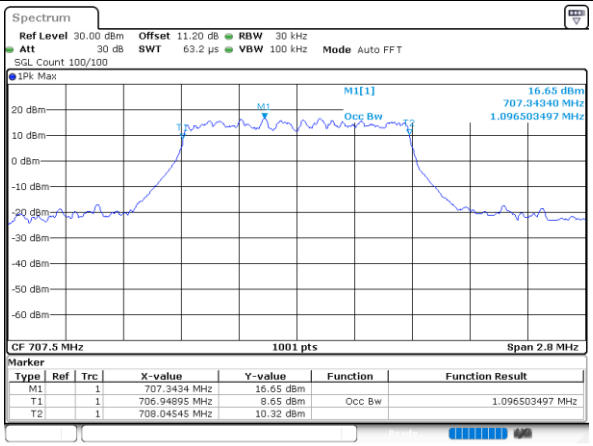


Occupied Bandwidth

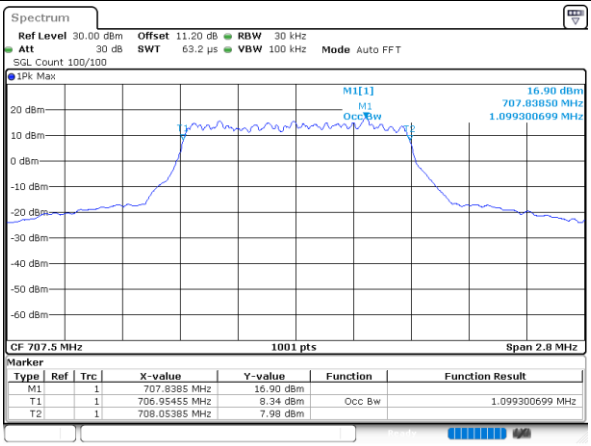
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.10	1.10	2.73	2.74	4.51	4.48	9.01	9.03	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.10	1.09	2.73	2.73	4.49	4.50	9.01	9.05	-	-	-	-

LTE Band 12

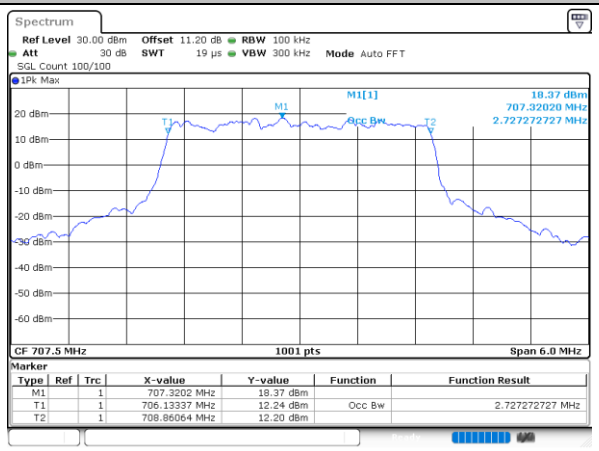
Middle Channel / 1.4MHz / QPSK



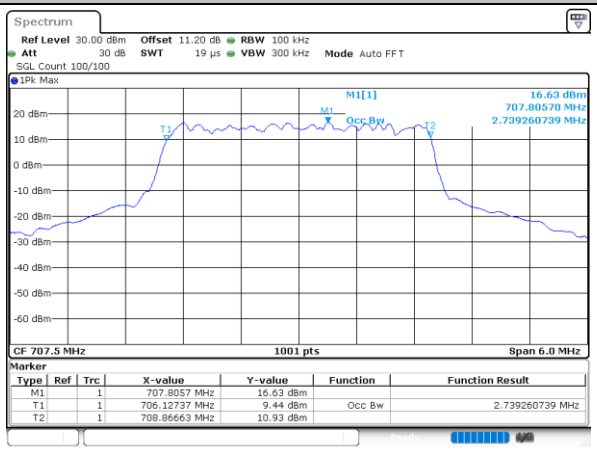
Middle Channel / 1.4MHz / 16QAM



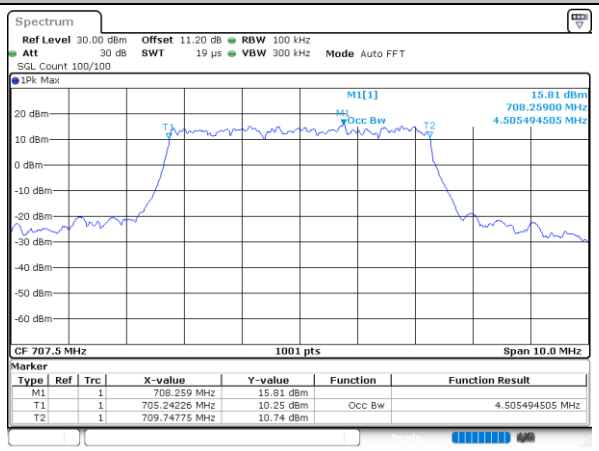
Middle Channel / 3MHz / QPSK



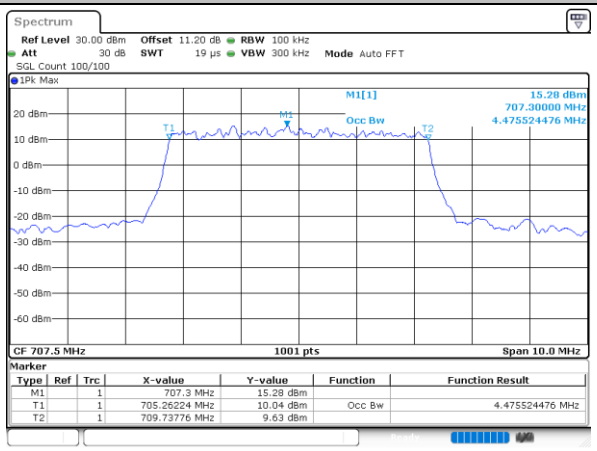
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

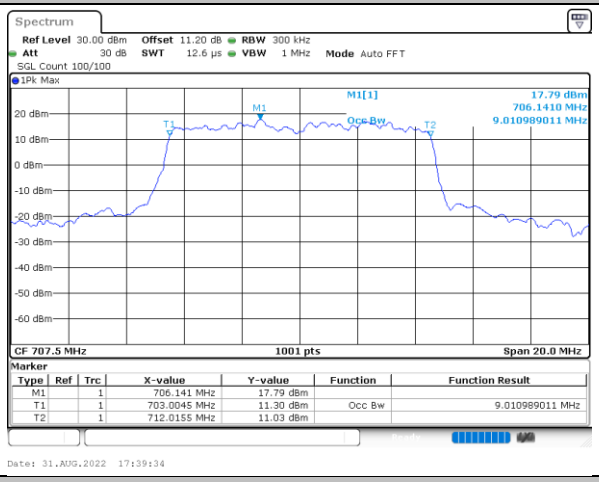


Middle Channel / 5MHz / 16QAM

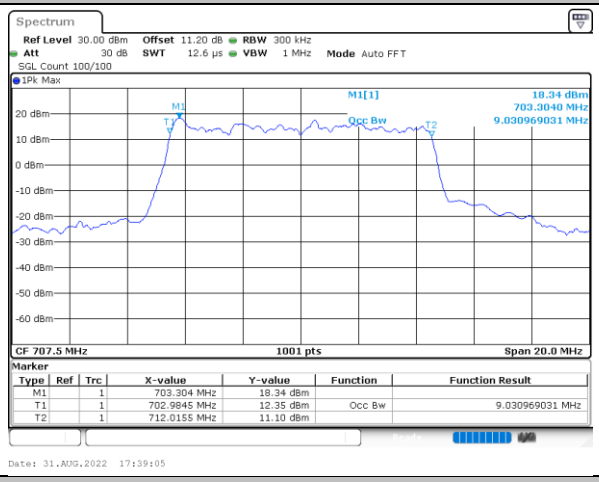


LTE Band 12

Middle Channel / 10MHz / QPSK

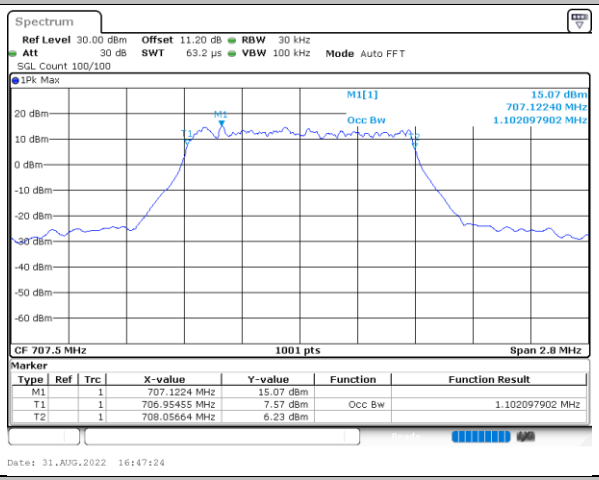


Middle Channel / 10MHz / 16QAM

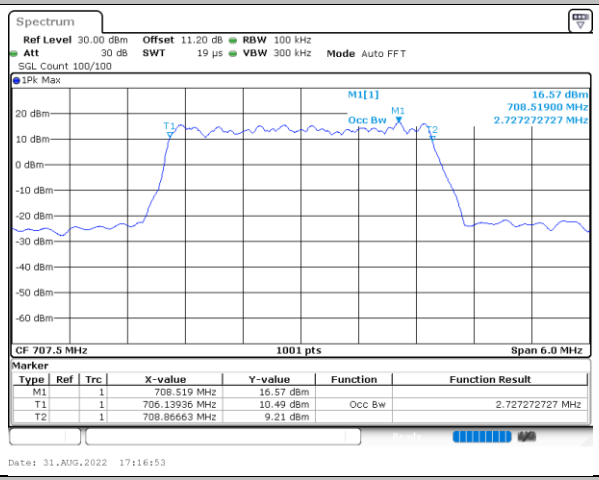


LTE Band 12

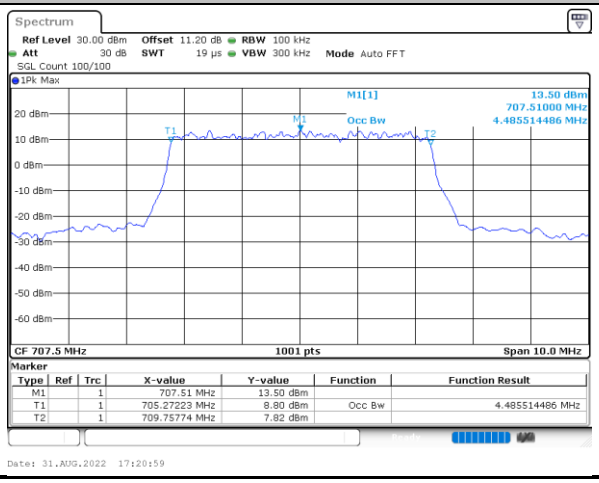
Middle Channel / 1.4MHz / 64QAM



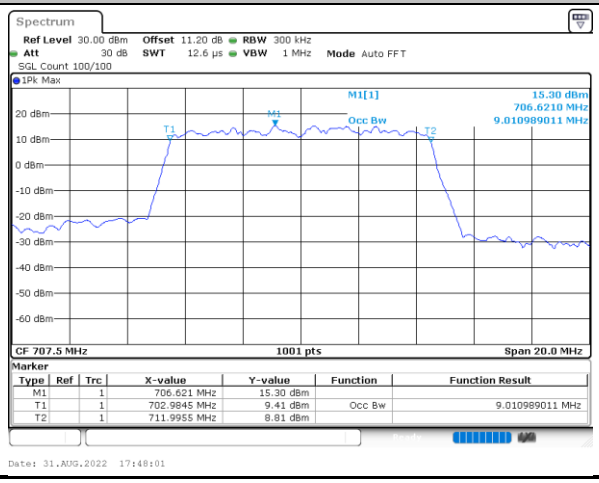
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM

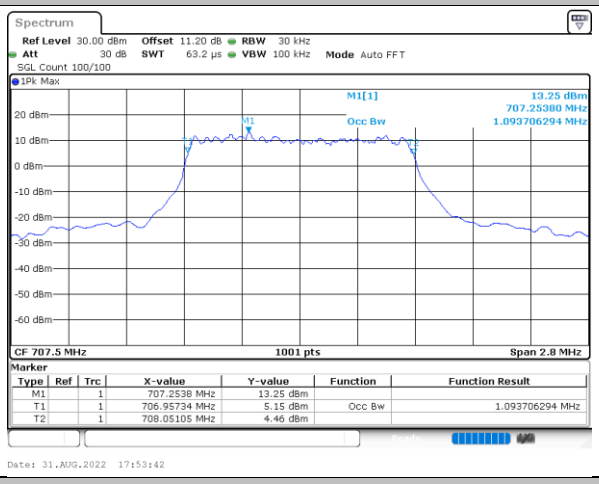


Middle Channel / 10MHz / 64QAM

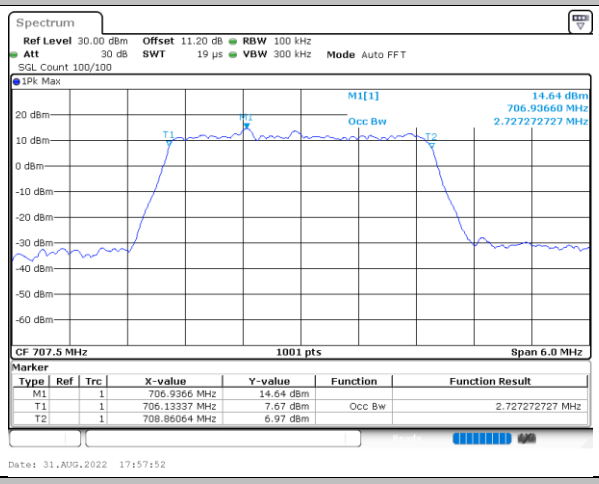


LTE Band 12

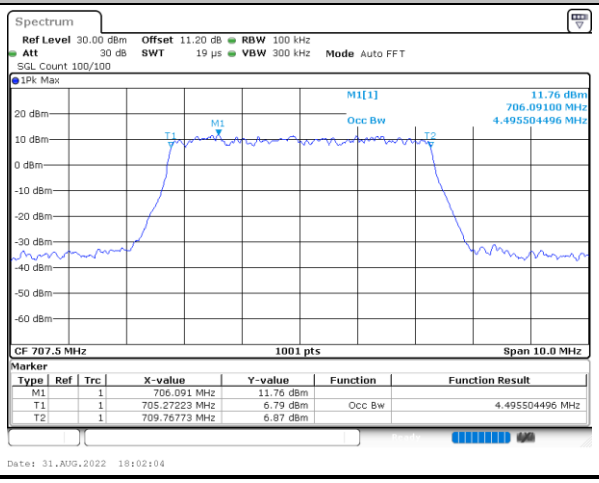
Middle Channel / 1.4MHz / 256QAM



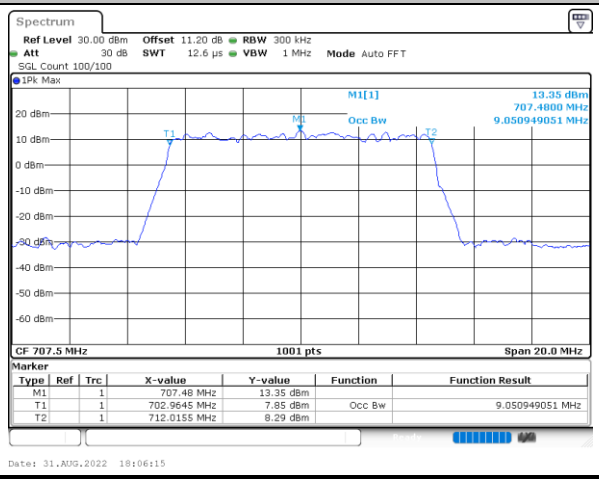
Middle Channel / 3MHz / 256QAM



Middle Channel / 5MHz / 256QAM



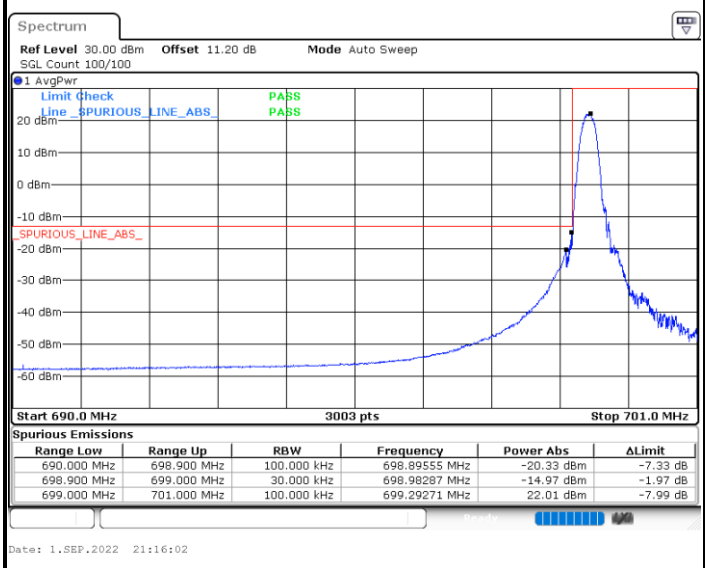
Middle Channel / 10MHz / 256QAM



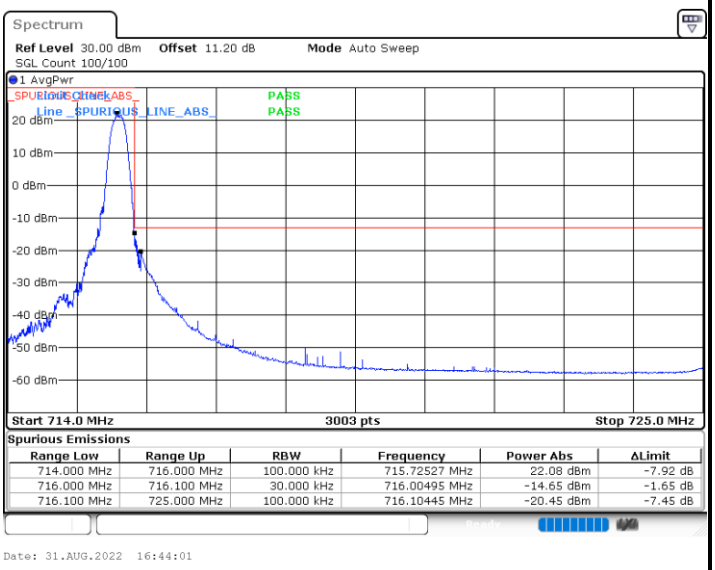
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

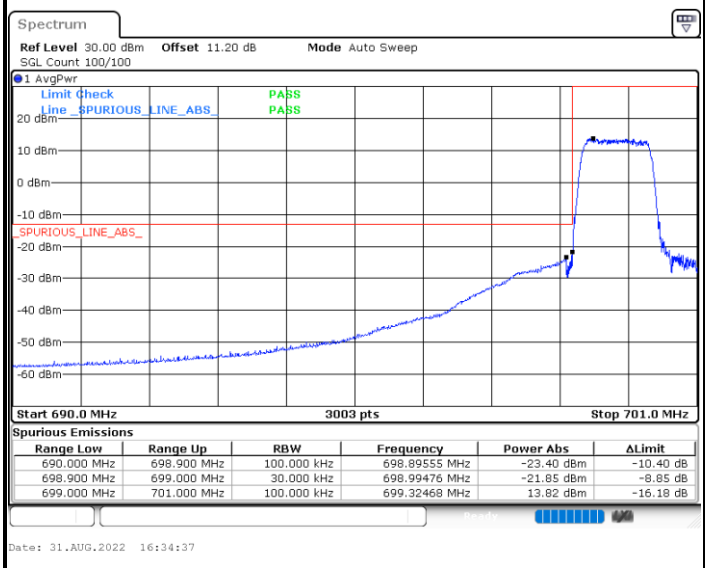
Lowest Band Edge / 1RB



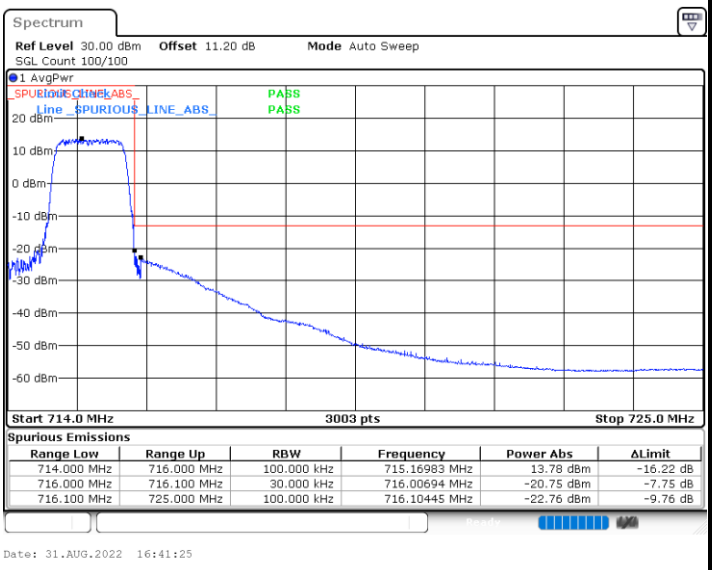
Highest Band Edge / 1RB



Lowest Band Edge / Full RB

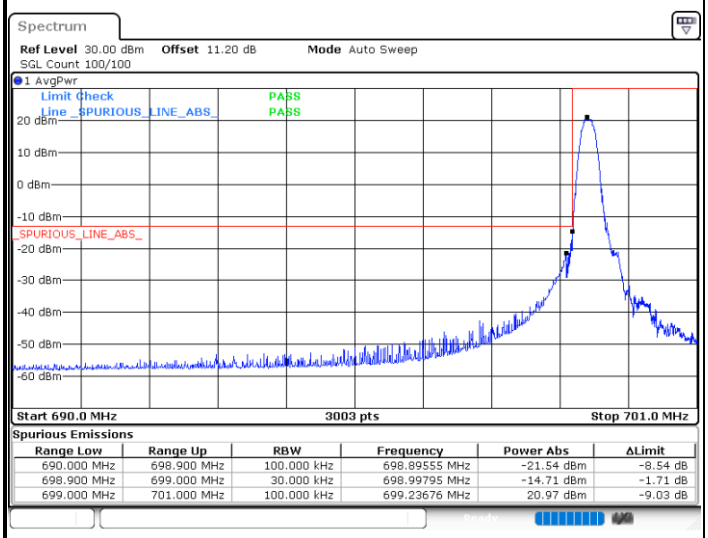


Highest Band Edge / Full RB



LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-21.54 dBm	-8.54 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99795 MHz	-14.71 dBm	-1.71 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.23676 MHz	20.97 dBm	-9.03 dB

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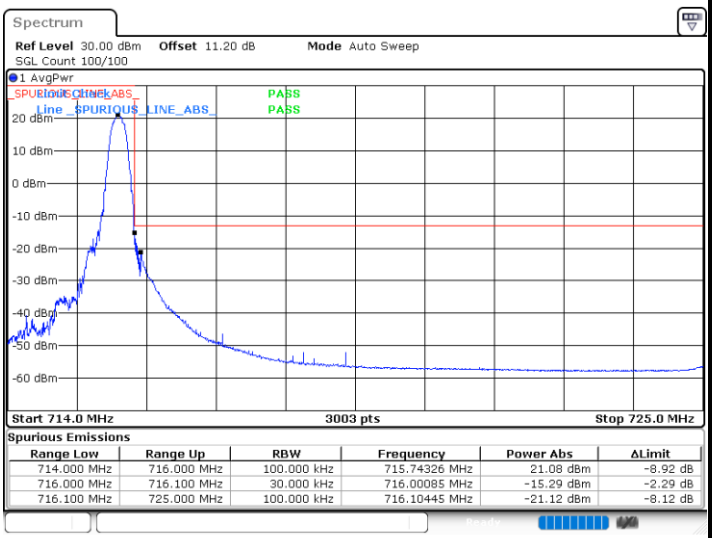
Highest Band Edge / 1 RB

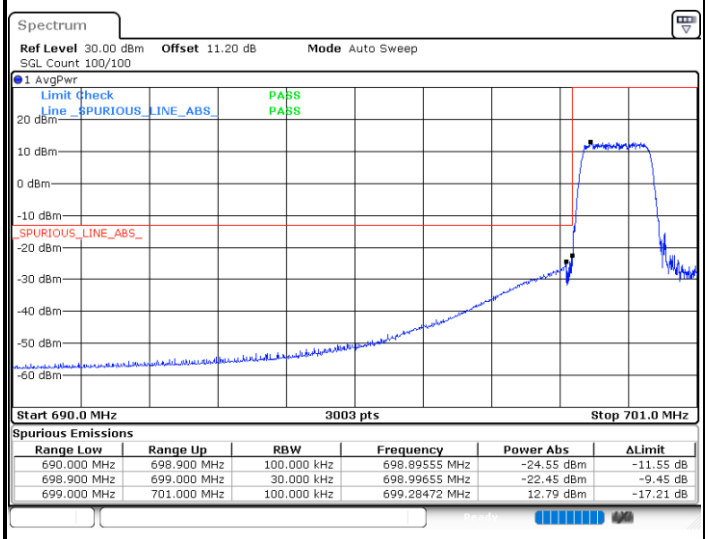


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.74326 MHz	21.08 dBm	-8.92 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-15.29 dBm	-2.29 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-21.12 dBm	-8.12 dB

Date: 31.AUG.2022 16:43:07

Lowest Band Edge / Full RB

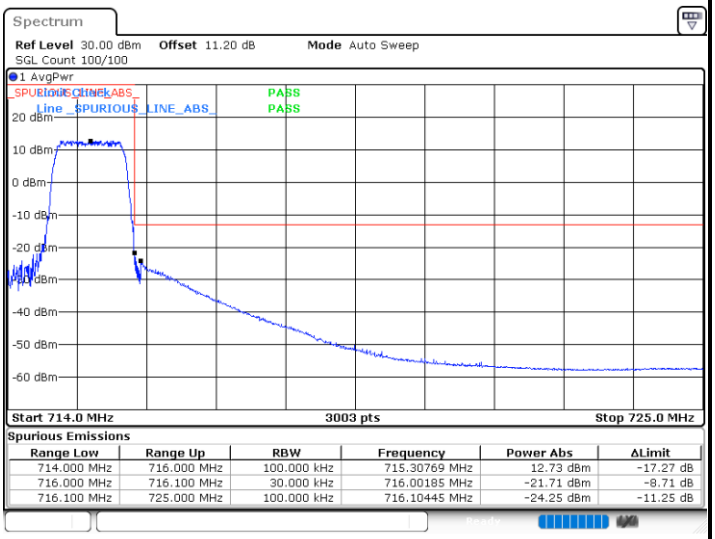


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-24.55 dBm	-11.55 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99655 MHz	-22.45 dBm	-9.45 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.28472 MHz	12.79 dBm	-17.21 dB

Date: 31.AUG.2022 16:35:12

Highest Band Edge / Full RB



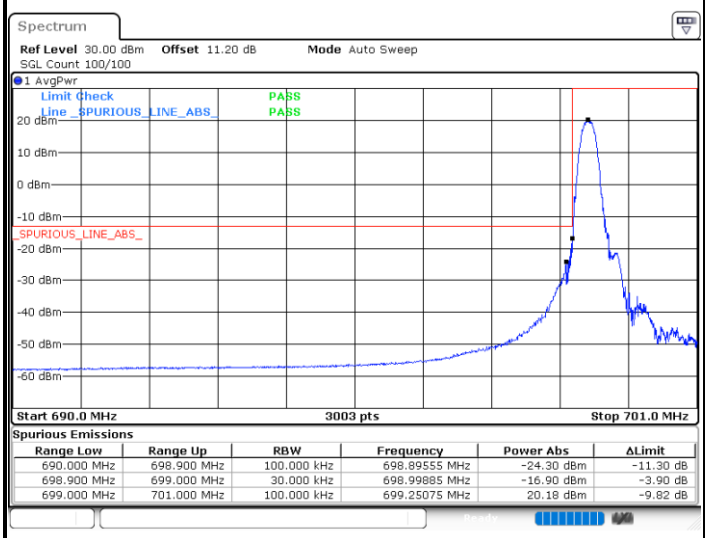
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.30769 MHz	12.73 dBm	-17.27 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-21.71 dBm	-8.71 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-24.25 dBm	-11.25 dB

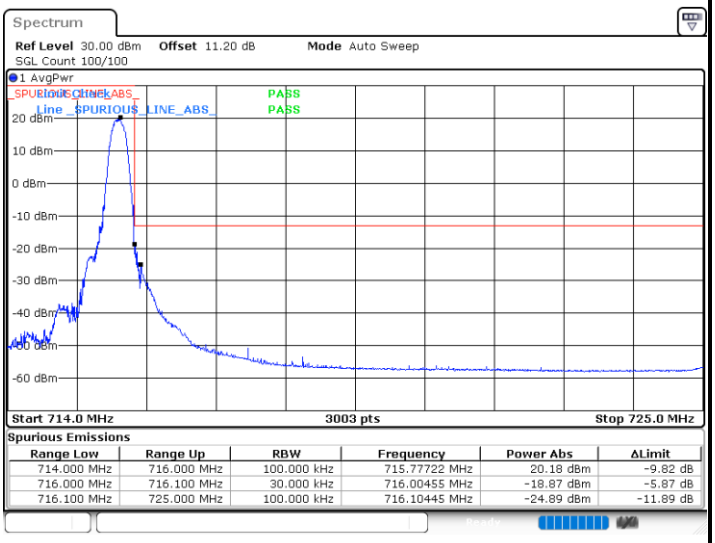
Date: 31.AUG.2022 16:42:14

LTE Band 12 / 1.4MHz / 64QAM

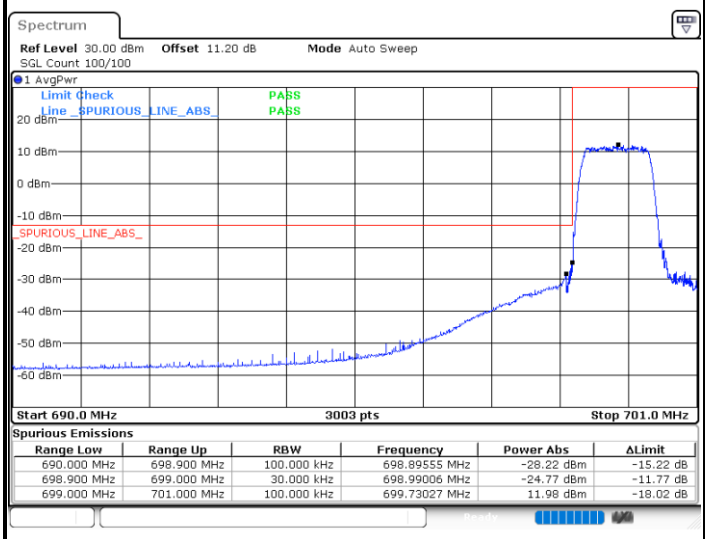
Lowest Band Edge / 1 RB



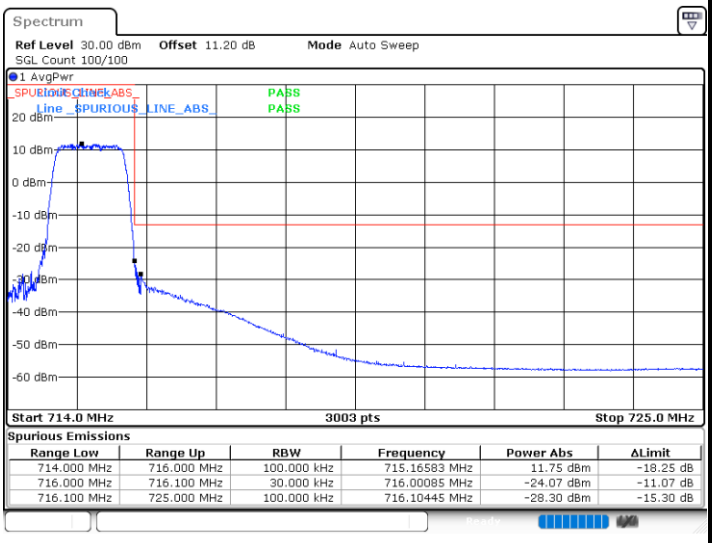
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

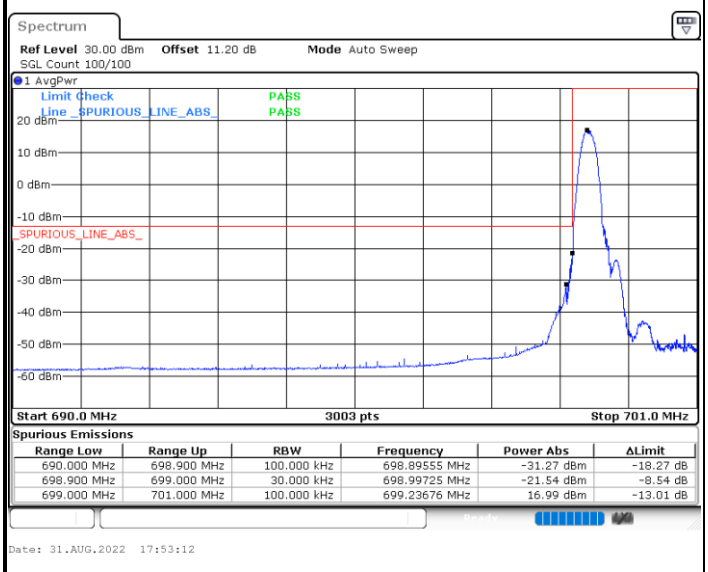


Highest Band Edge / Full RB



LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB

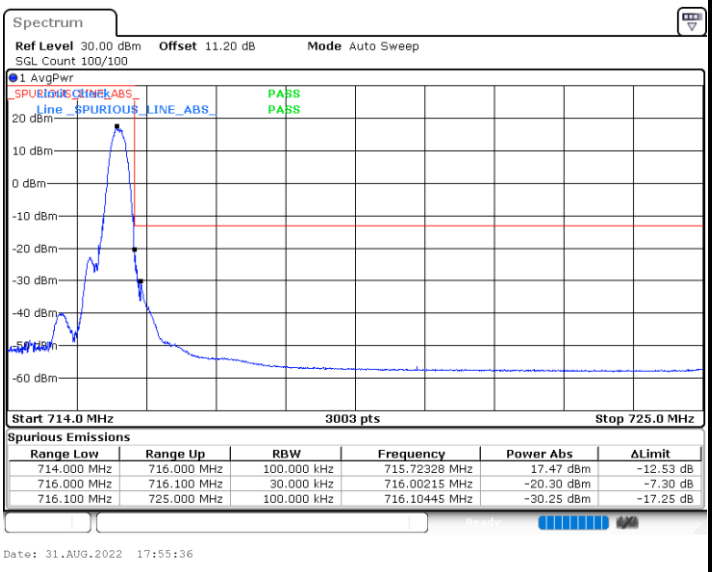


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-31.27 dBm	-18.27 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99725 MHz	-21.54 dBm	-8.54 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.23676 MHz	16.99 dBm	-13.01 dB

Date: 31.AUG.2022 17:53:12

Highest Band Edge / 1 RB

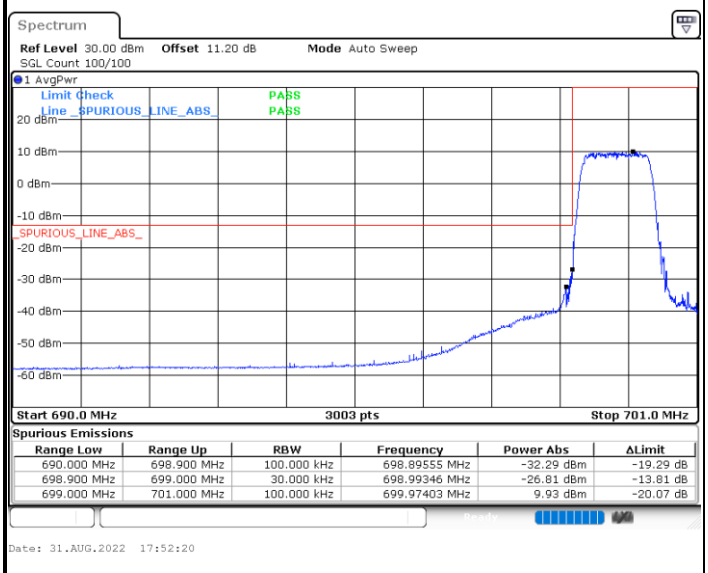


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.72328 MHz	17.47 dBm	-12.53 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00215 MHz	-20.30 dBm	-7.30 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.25 dBm	-17.25 dB

Date: 31.AUG.2022 17:55:36

Lowest Band Edge / Full RB

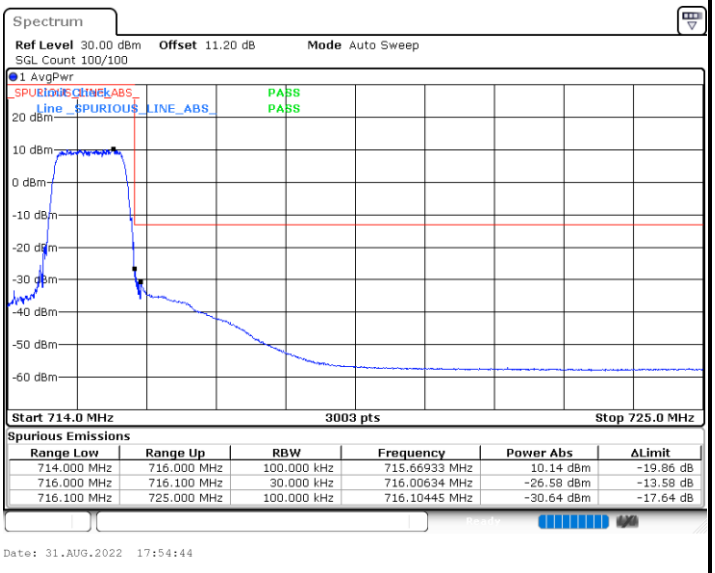


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-32.29 dBm	-19.29 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99346 MHz	-26.81 dBm	-13.81 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.97403 MHz	9.93 dBm	-20.07 dB

Date: 31.AUG.2022 17:52:20

Highest Band Edge / Full RB



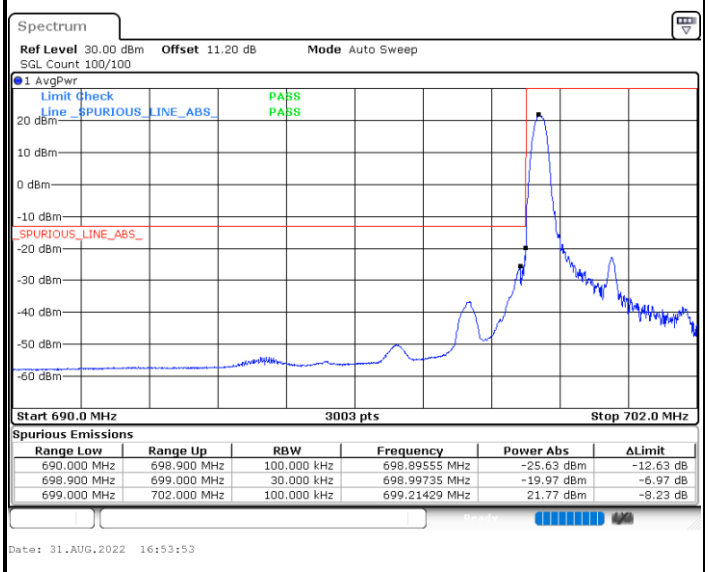
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.66933 MHz	10.14 dBm	-19.86 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00634 MHz	-26.58 dBm	-13.58 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.64 dBm	-17.64 dB

Date: 31.AUG.2022 17:54:44

LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB

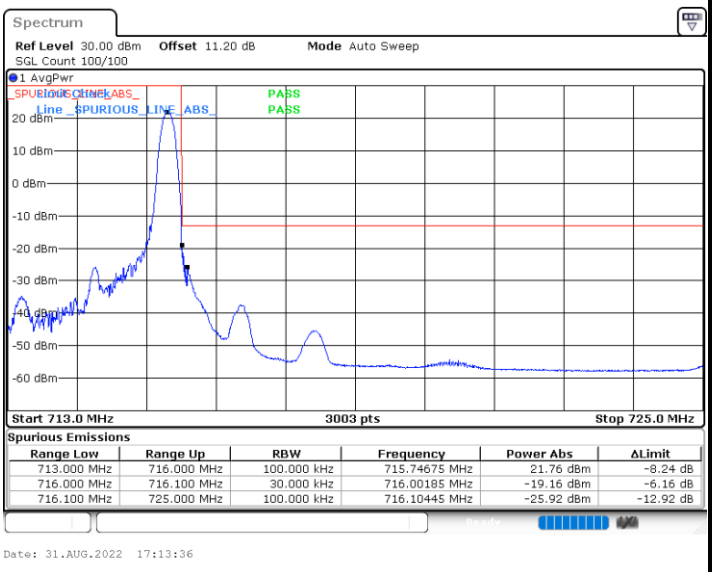


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.63 dBm	-12.63 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99735 MHz	-19.97 dBm	-6.97 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.21429 MHz	21.77 dBm	-8.23 dB

Date: 31.AUG.2022 16:53:53

Highest Band Edge / 1 RB

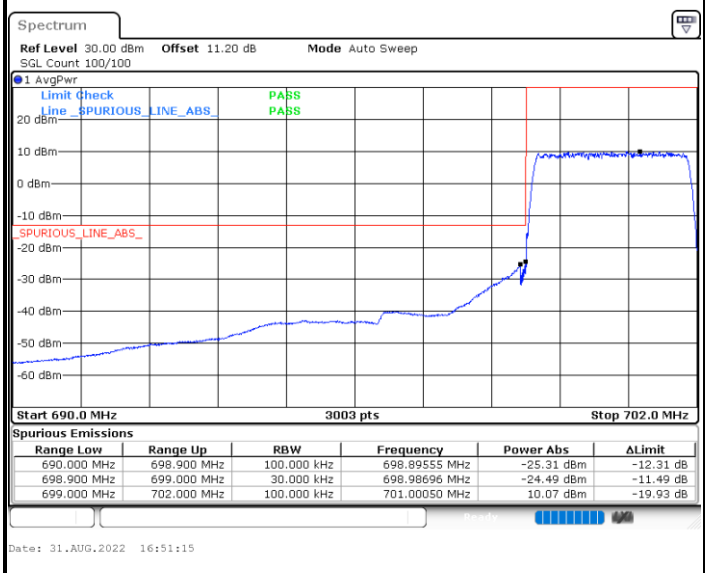


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.74675 MHz	21.76 dBm	-8.24 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-19.16 dBm	-6.16 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-25.92 dBm	-12.92 dB

Date: 31.AUG.2022 17:13:36

Lowest Band Edge / Full RB

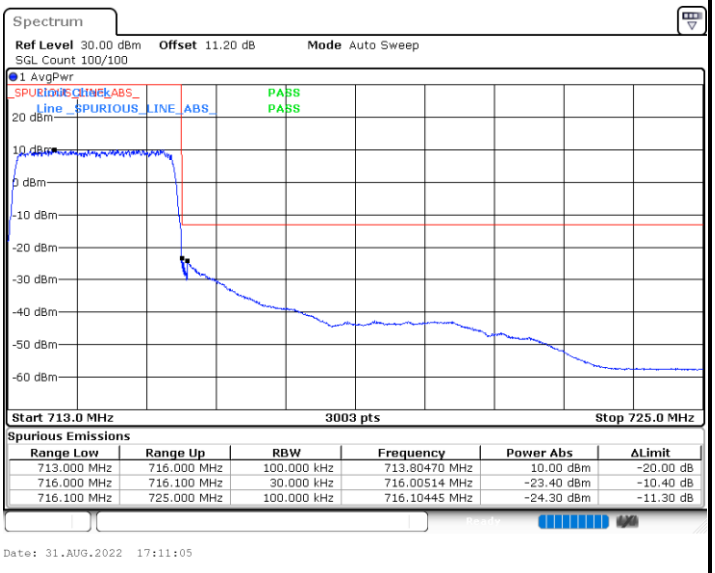


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.31 dBm	-12.31 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98696 MHz	-24.49 dBm	-11.49 dB
699.000 MHz	702.000 MHz	100.000 kHz	701.00050 MHz	10.07 dBm	-19.93 dB

Date: 31.AUG.2022 16:51:15

Highest Band Edge / Full RB



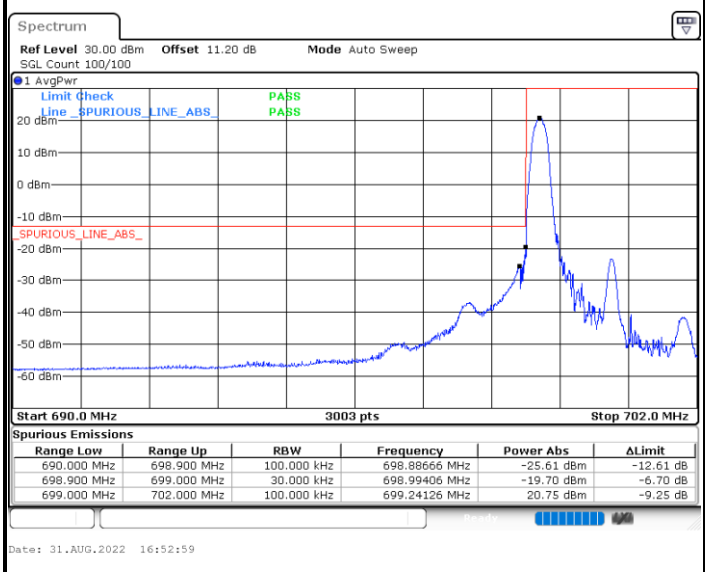
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.80470 MHz	10.00 dBm	-20.00 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00514 MHz	-23.40 dBm	-10.40 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-24.30 dBm	-11.30 dB

Date: 31.AUG.2022 17:11:05

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

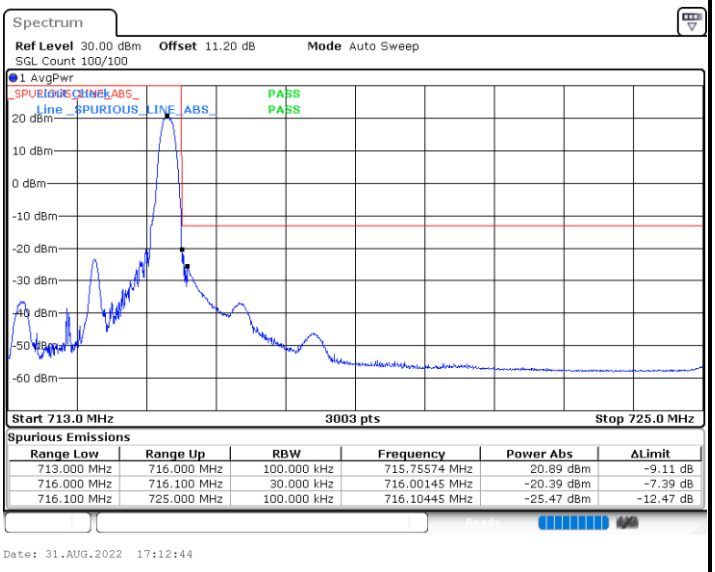


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-25.61 dBm	-12.61 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99406 MHz	-19.70 dBm	-6.70 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.24126 MHz	20.75 dBm	-9.25 dB

Date: 31.AUG.2022 16:52:59

Highest Band Edge /1 RB

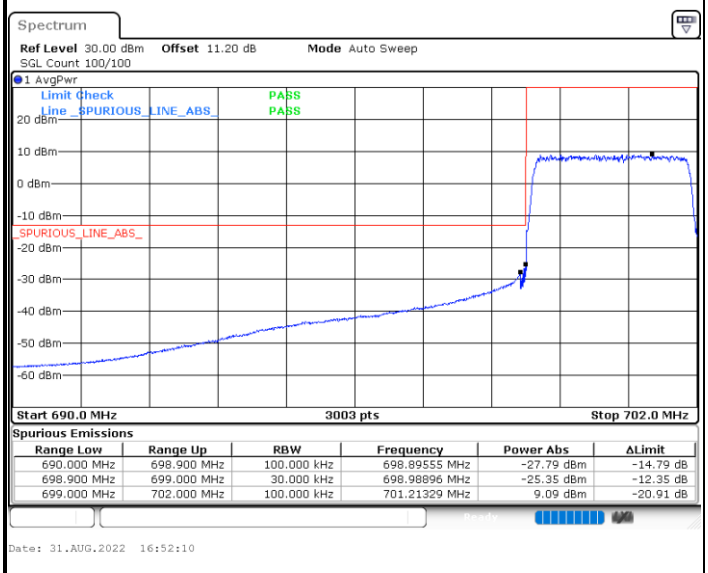


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.75574 MHz	20.89 dBm	-9.11 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00145 MHz	-20.39 dBm	-7.39 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-25.47 dBm	-12.47 dB

Date: 31.AUG.2022 17:12:44

Lowest Band Edge / Full RB

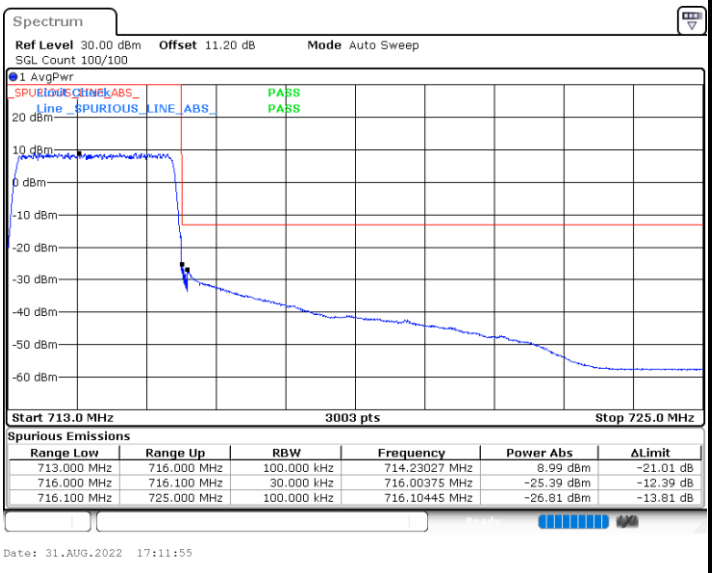


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-27.79 dBm	-14.79 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98896 MHz	-25.35 dBm	-12.35 dB
699.000 MHz	702.000 MHz	100.000 kHz	701.21329 MHz	9.09 dBm	-20.91 dB

Date: 31.AUG.2022 16:52:10

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	714.23027 MHz	8.99 dBm	-21.01 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00375 MHz	-25.39 dBm	-12.39 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.81 dBm	-13.81 dB

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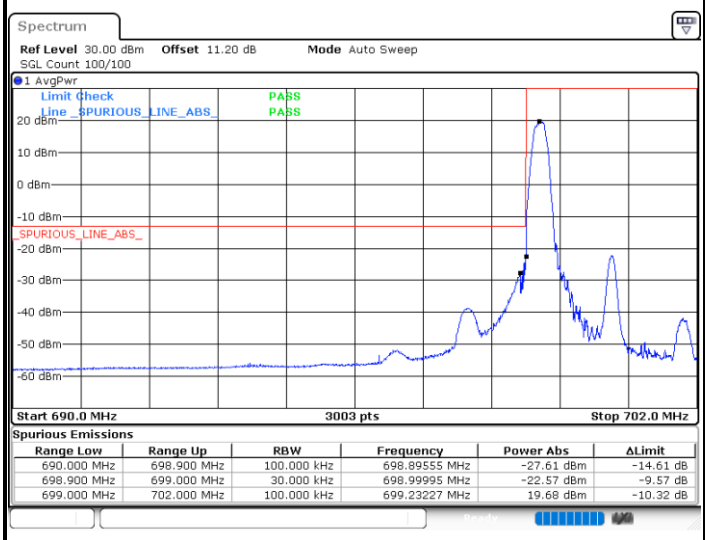
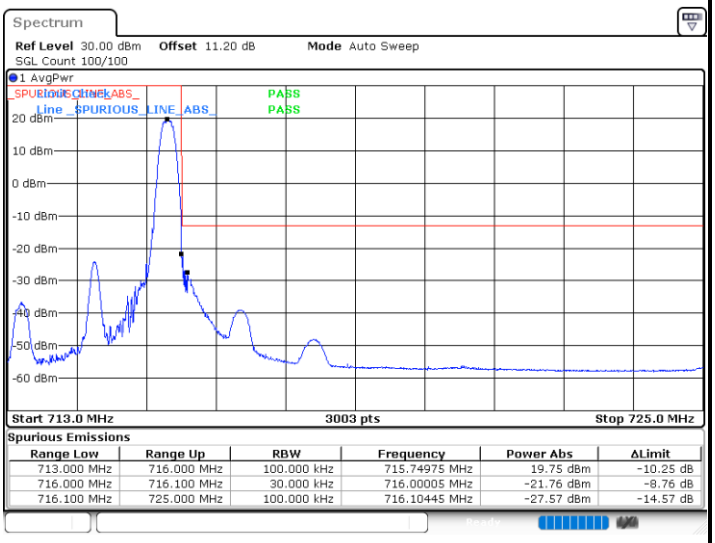
LTE Band 12 / 3MHz / 64QAM

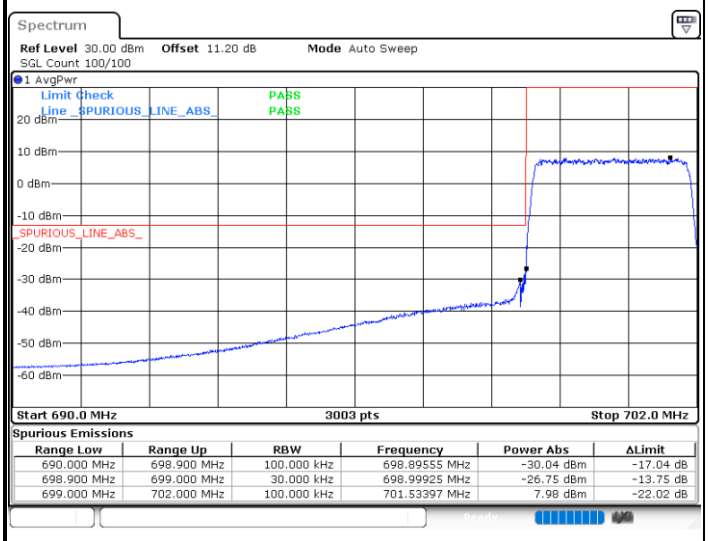
Lowest Band Edge / 1 RB



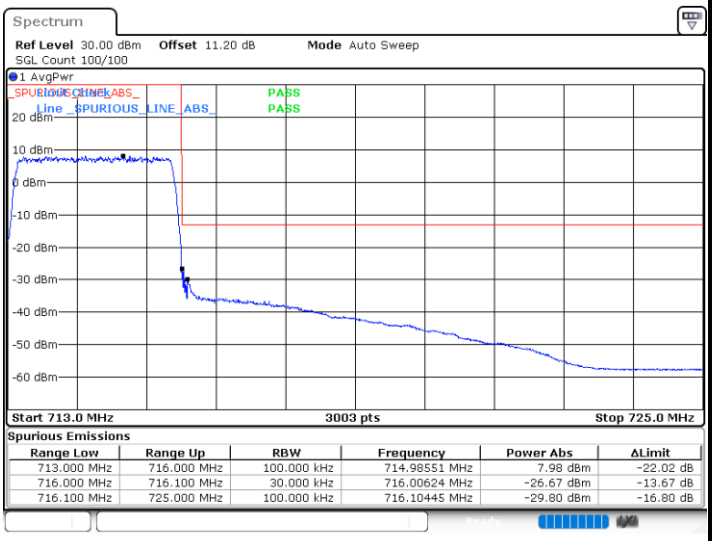
Highest Band Edge /1 RB



Lowest Band Edge / Full RB

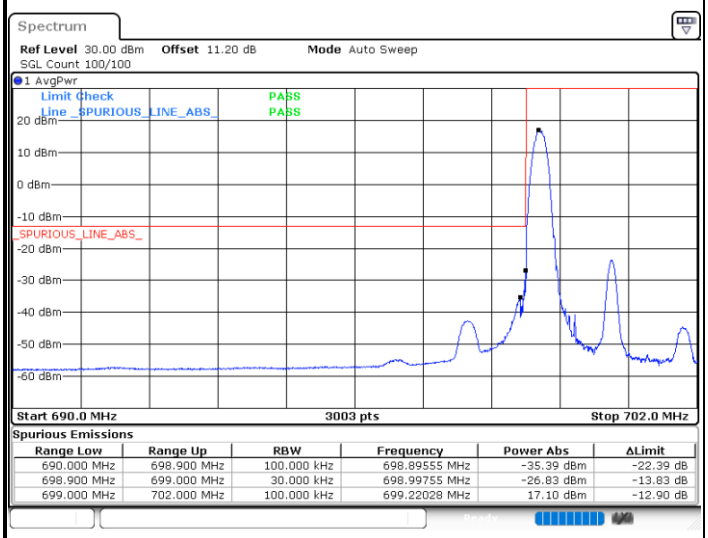


Highest Band Edge / Full RB

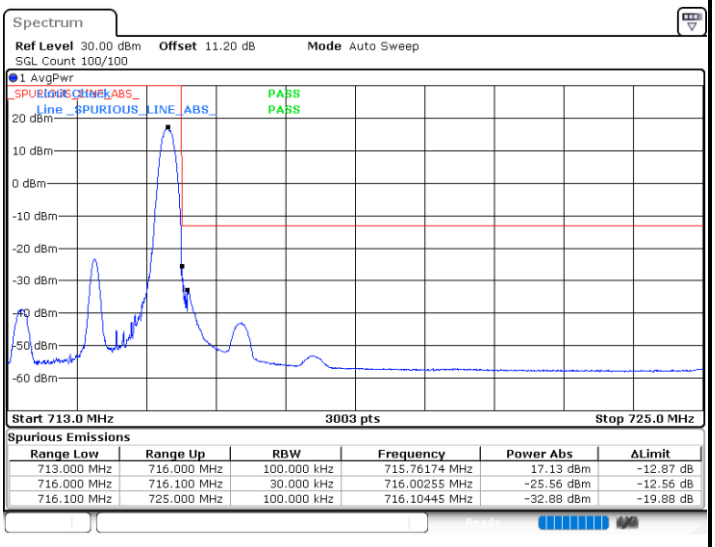


LTE Band 12 / 3MHz / 256QAM

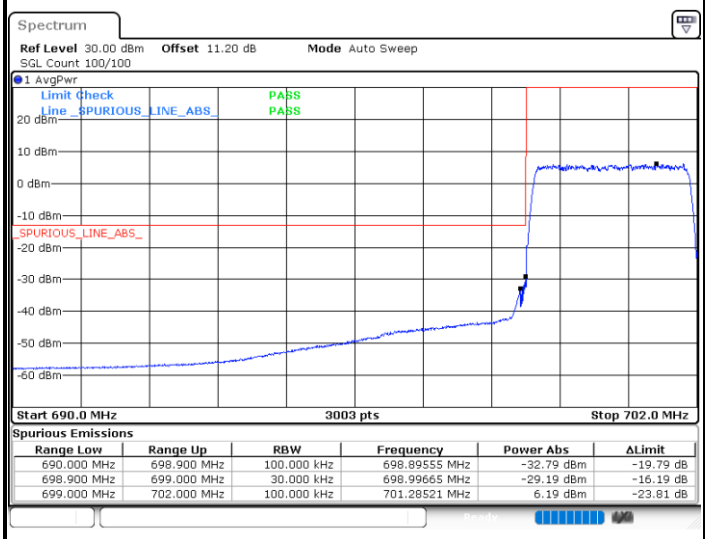
Lowest Band Edge / 1 RB



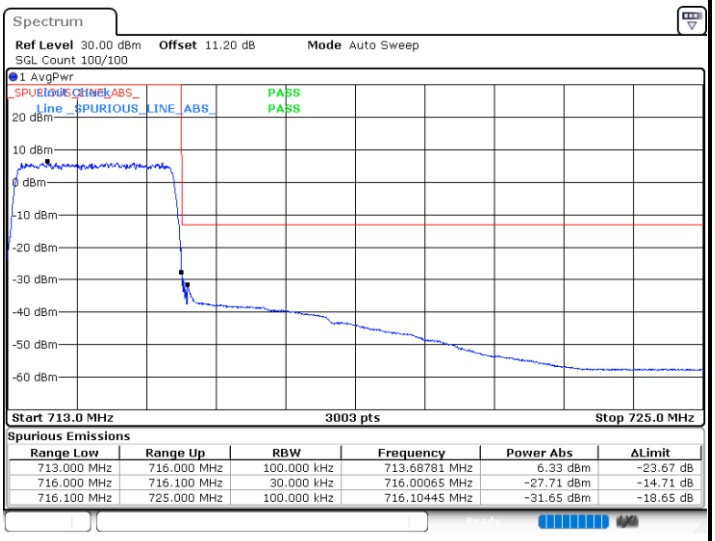
Highest Band Edge /1 RB



Lowest Band Edge / Full RB

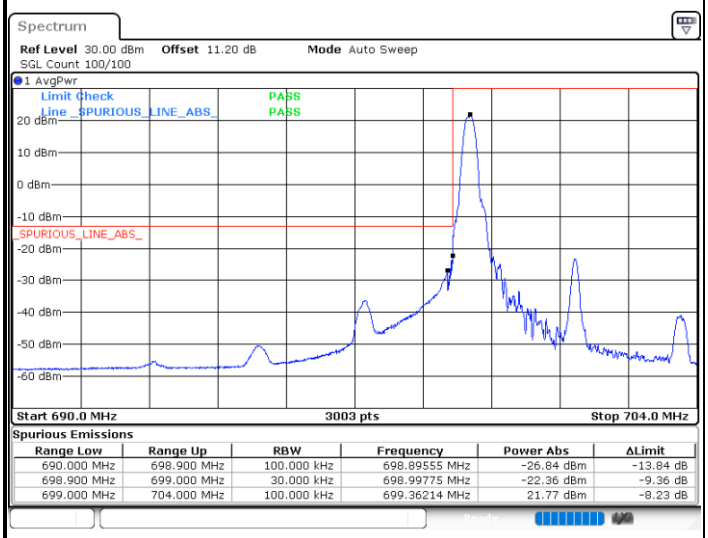


Highest Band Edge / Full RB



LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.84 dBm	-13.84 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99775 MHz	-22.36 dBm	-9.36 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.36214 MHz	21.77 dBm	-8.23 dB

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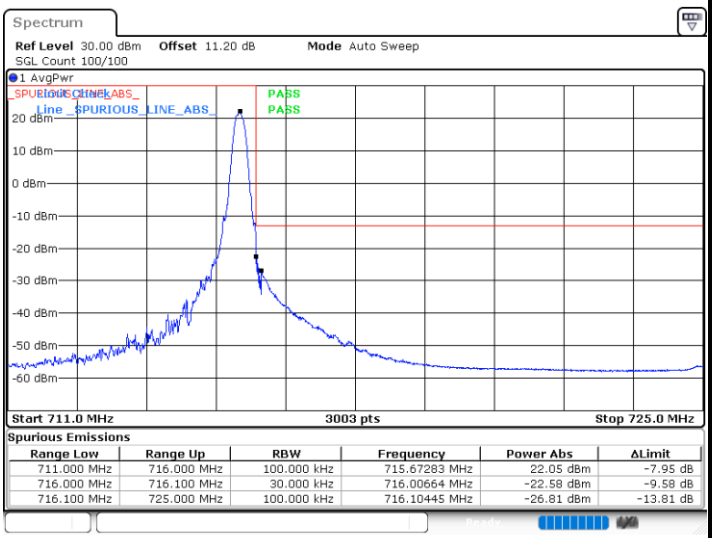
Highest Band Edge / 1 RB

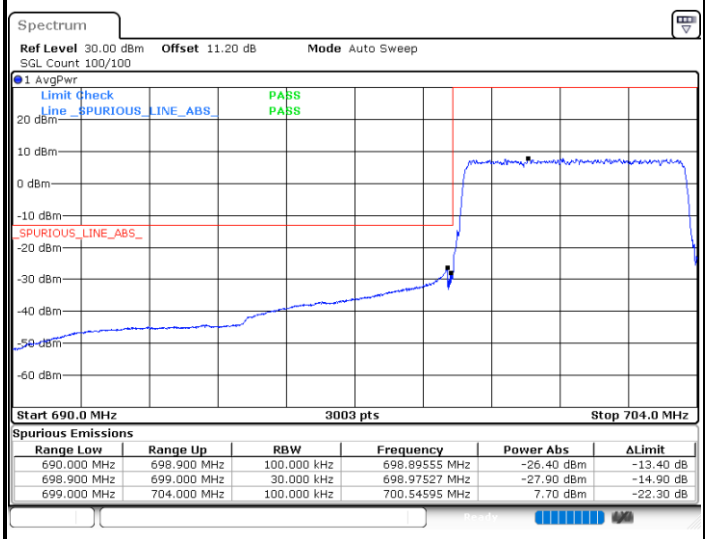


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.67283 MHz	22.05 dBm	-7.95 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00664 MHz	-22.58 dBm	-9.58 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.81 dBm	-13.81 dB

Date: 31.AUG.2022 17:32:19

Lowest Band Edge / Full RB

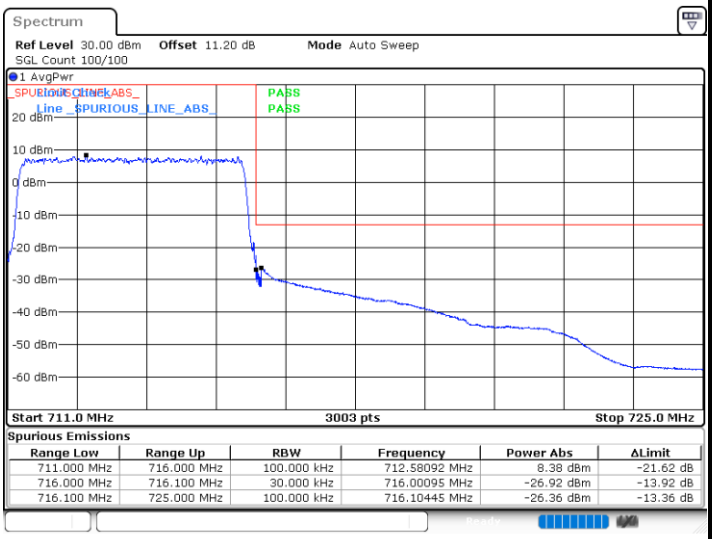


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.40 dBm	-13.40 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97527 MHz	-27.90 dBm	-14.90 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.54595 MHz	7.70 dBm	-22.30 dB

Date: 31.AUG.2022 17:23:41

Highest Band Edge / Full RB



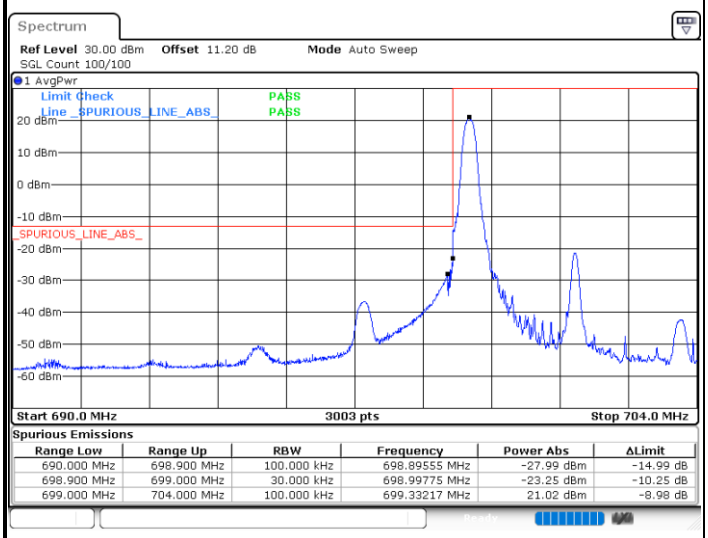
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.58092 MHz	8.38 dBm	-21.62 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00095 MHz	-26.92 dBm	-13.92 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.36 dBm	-13.36 dB

Date: 31.AUG.2022 17:30:40

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

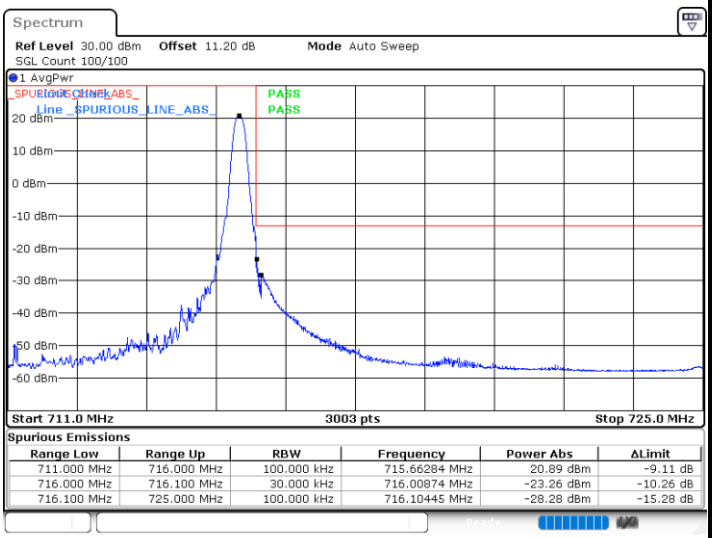


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-27.99 dBm	-14.99 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99775 MHz	-23.25 dBm	-10.25 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.33217 MHz	21.02 dBm	-8.98 dB

Date: 31.AUG.2022 17:25:19

Highest Band Edge / 1 RB

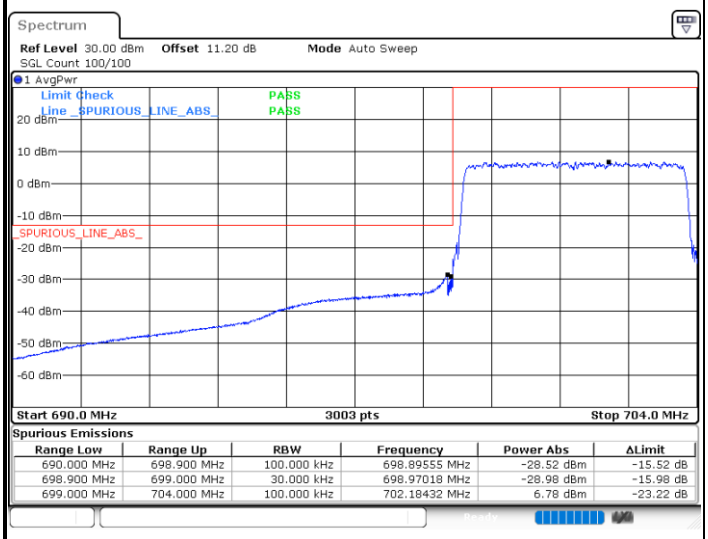


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.66284 MHz	20.89 dBm	-9.11 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00874 MHz	-23.26 dBm	-10.26 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.28 dBm	-15.28 dB

Date: 31.AUG.2022 17:33:09

Lowest Band Edge / Full RB

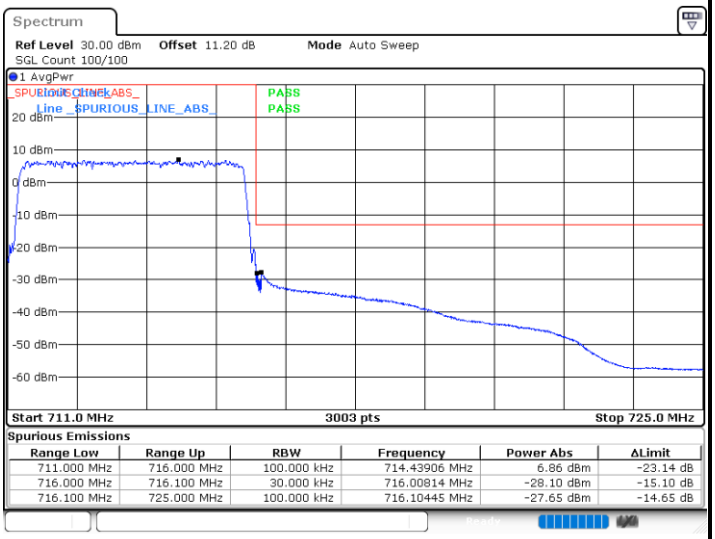


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.52 dBm	-15.52 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97018 MHz	-28.98 dBm	-15.98 dB
699.000 MHz	704.000 MHz	100.000 kHz	702.18432 MHz	6.78 dBm	-23.22 dB

Date: 31.AUG.2022 17:24:30

Highest Band Edge / Full RB



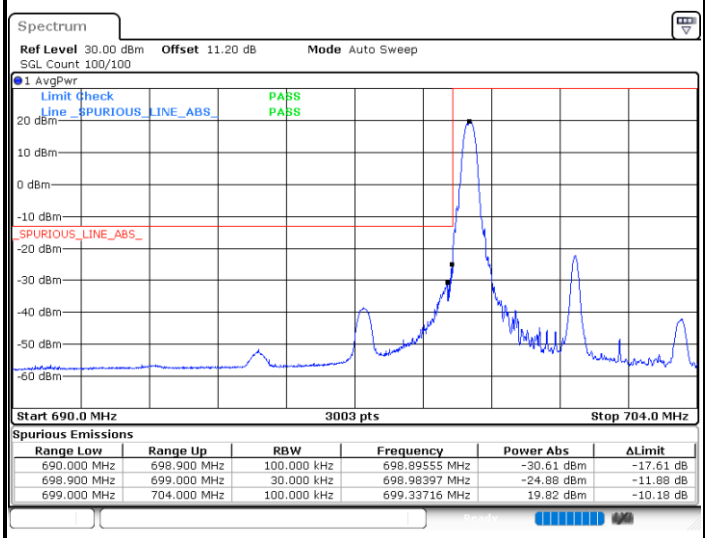
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	714.43906 MHz	6.86 dBm	-23.14 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00814 MHz	-28.10 dBm	-15.10 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-27.65 dBm	-14.65 dB

Date: 31.AUG.2022 17:31:29

LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB

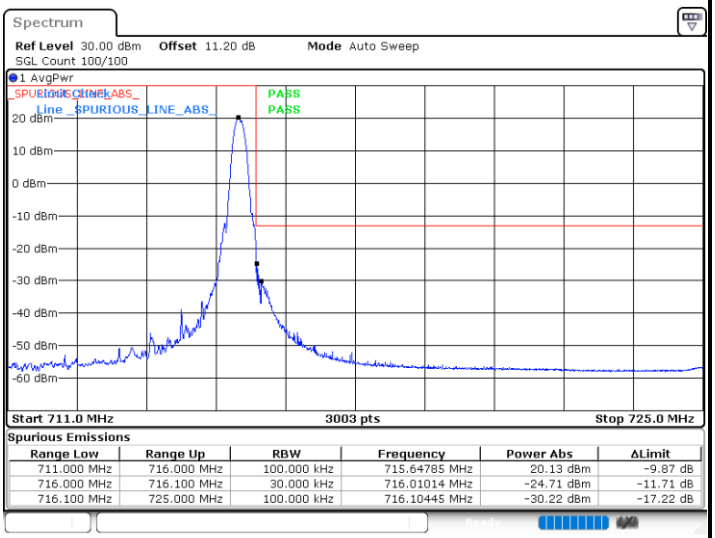


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.61 dBm	-17.61 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98397 MHz	-24.88 dBm	-11.88 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.33716 MHz	19.82 dBm	-10.18 dB

Date: 31.AUG.2022 17:20:29

Highest Band Edge / 1 RB

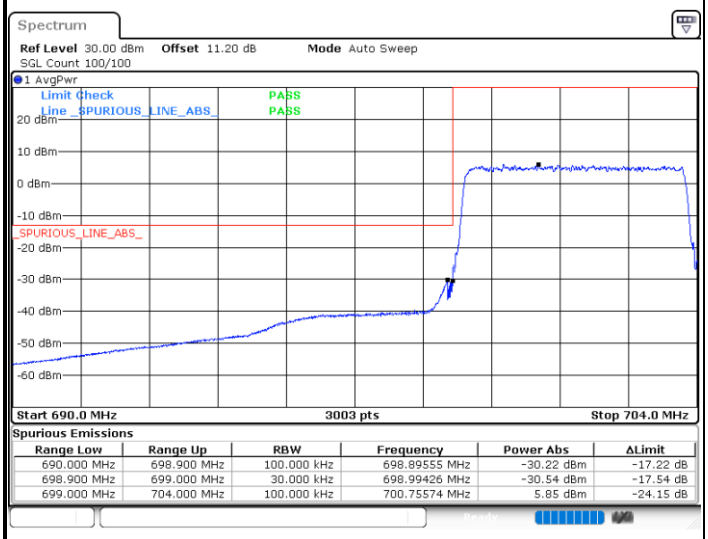


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.64785 MHz	20.13 dBm	-9.87 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01014 MHz	-24.71 dBm	-11.71 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.22 dBm	-17.22 dB

Date: 31.AUG.2022 17:22:51

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.22 dBm	-17.22 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99426 MHz	-30.54 dBm	-17.54 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.75574 MHz	5.85 dBm	-24.15 dB

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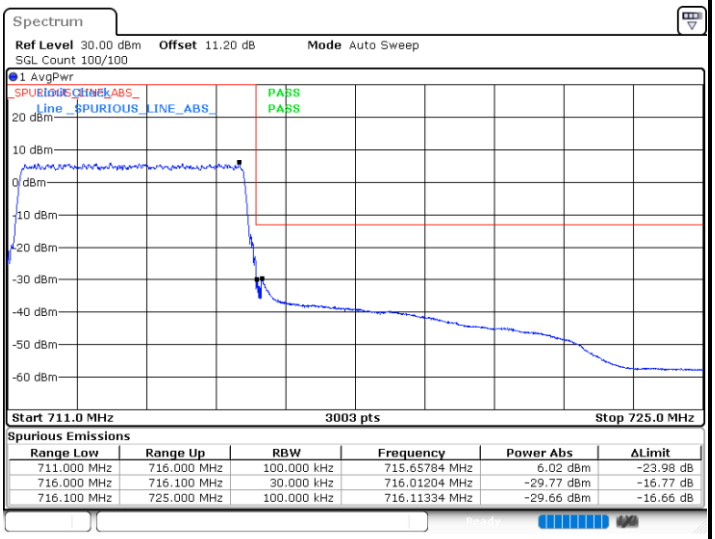
Highest Band Edge / Full RB



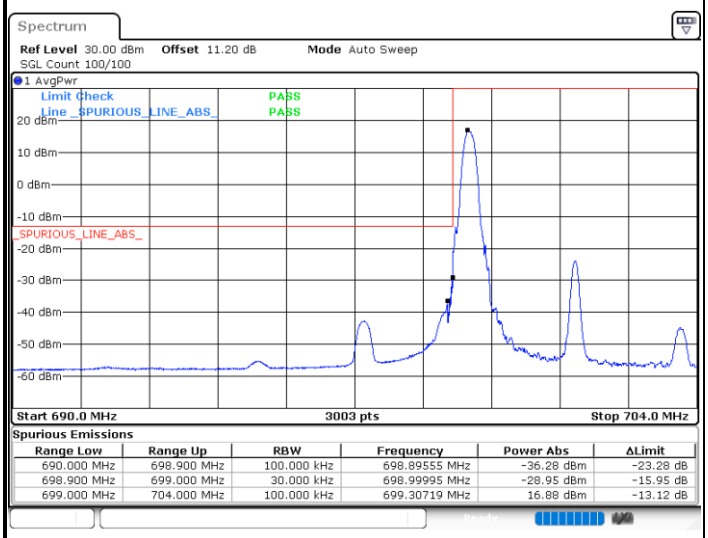
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.65784 MHz	6.02 dBm	-23.98 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01204 MHz	-29.77 dBm	-16.77 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-29.66 dBm	-16.66 dB

Date: 31.AUG.2022 17:22:01

LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-36.28 dBm	-23.28 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-28.95 dBm	-15.95 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.30719 MHz	16.88 dBm	-13.12 dB

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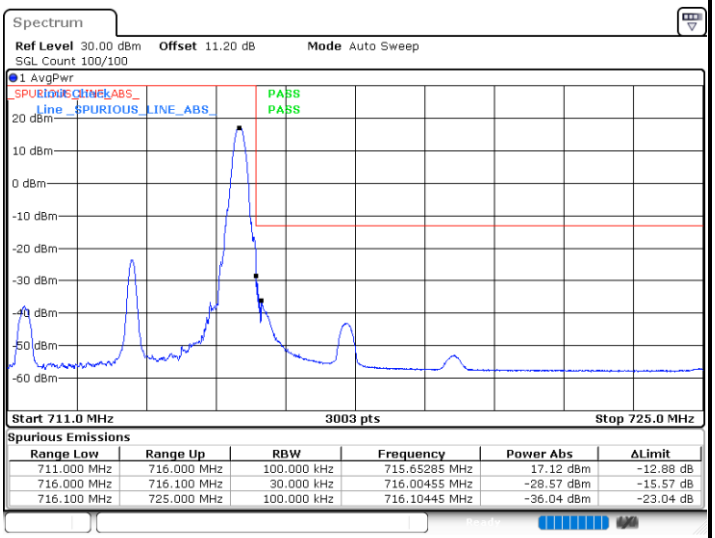
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.65285 MHz	17.12 dBm	-12.88 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00455 MHz	-28.57 dBm	-15.57 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-36.04 dBm	-23.04 dB

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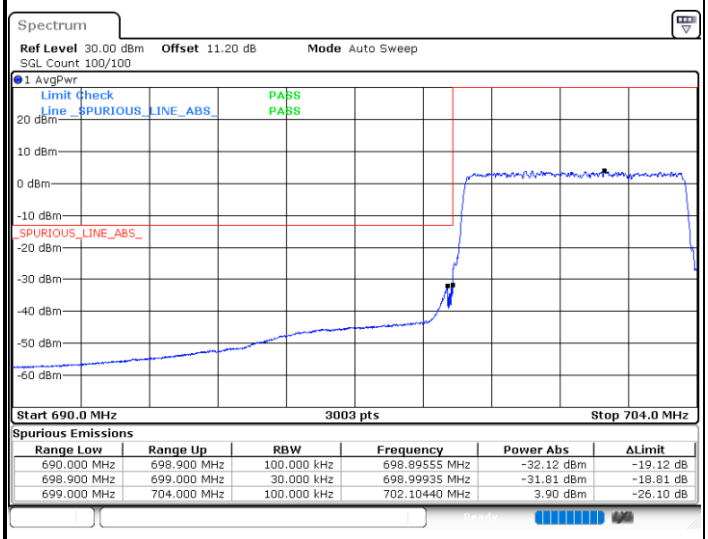
Lowest Band Edge / Full RB

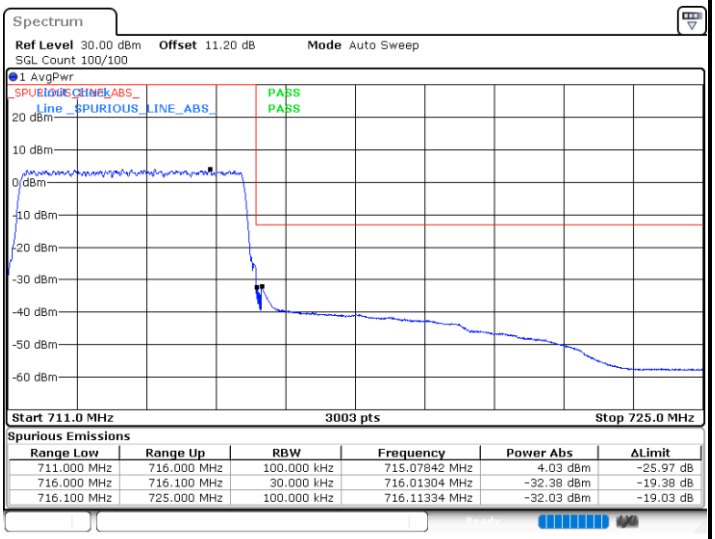


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-32.12 dBm	-19.12 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99935 MHz	-31.81 dBm	-18.81 dB
699.000 MHz	704.000 MHz	100.000 kHz	702.10440 MHz	3.90 dBm	-26.10 dB

Date: 31.AUG.2022 18:00:42

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.07842 MHz	4.03 dBm	-25.97 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01304 MHz	-32.38 dBm	-19.38 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-32.03 dBm	-19.03 dB

Date: 31.AUG.2022 18:03:06