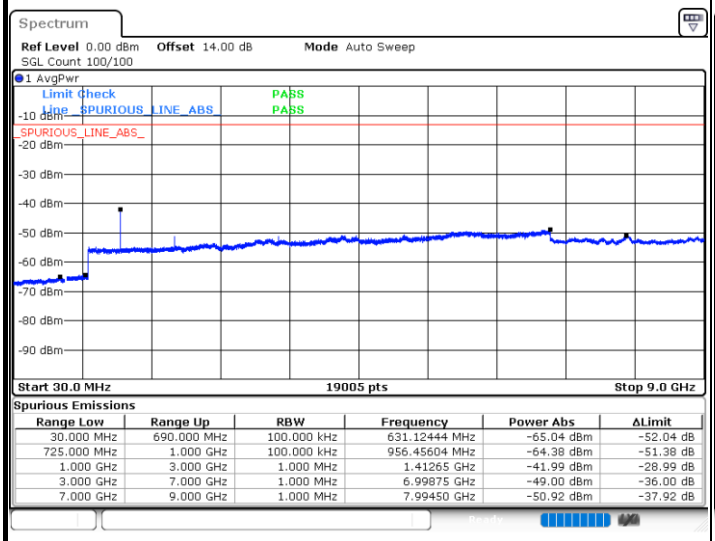
LTE Band 12 / 3MHz

Middle Channel / QPSK

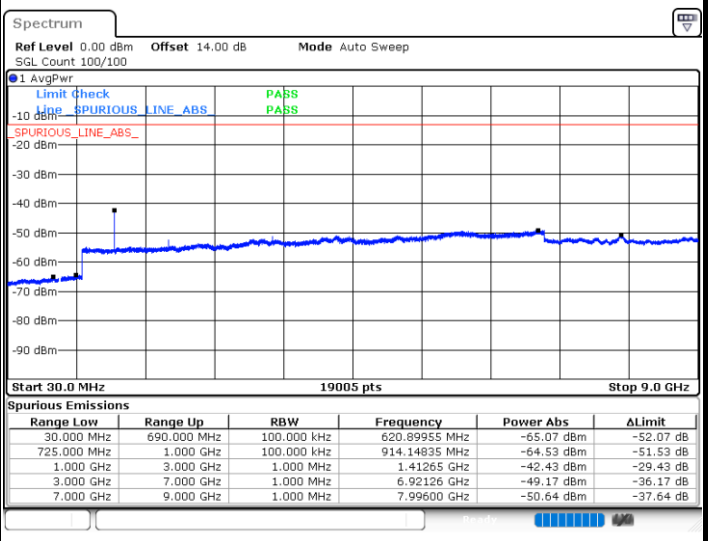


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	631.12444 MHz	-65.04 dBm	-52.04 dB
725.000 MHz	1.000 GHz	100.000 kHz	956.45604 MHz	-64.38 dBm	-51.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-41.99 dBm	-28.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-49.00 dBm	-36.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99450 GHz	-50.92 dBm	-37.92 dB

Date: 10.MAR.2023 00:53:15

Middle Channel / 16QAM

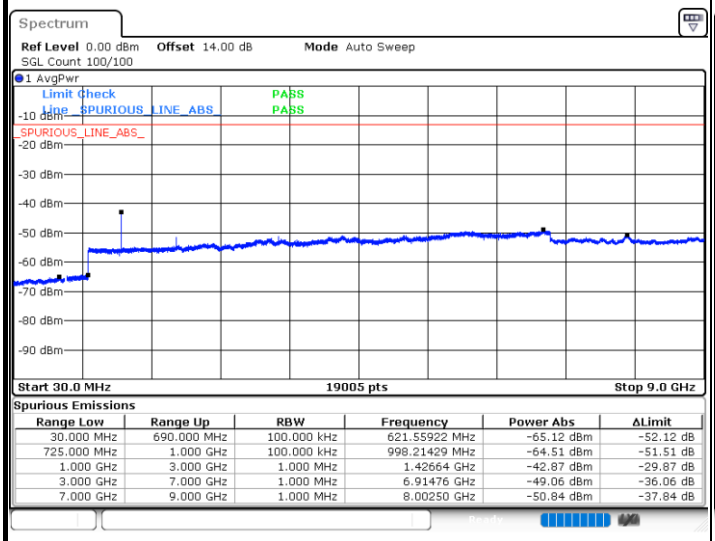


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.89955 MHz	-65.07 dBm	-52.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	914.14835 MHz	-64.53 dBm	-51.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-42.43 dBm	-29.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92126 GHz	-49.17 dBm	-36.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99600 GHz	-50.64 dBm	-37.64 dB

Date: 10.MAR.2023 00:52:13

Highest Channel / QPSK

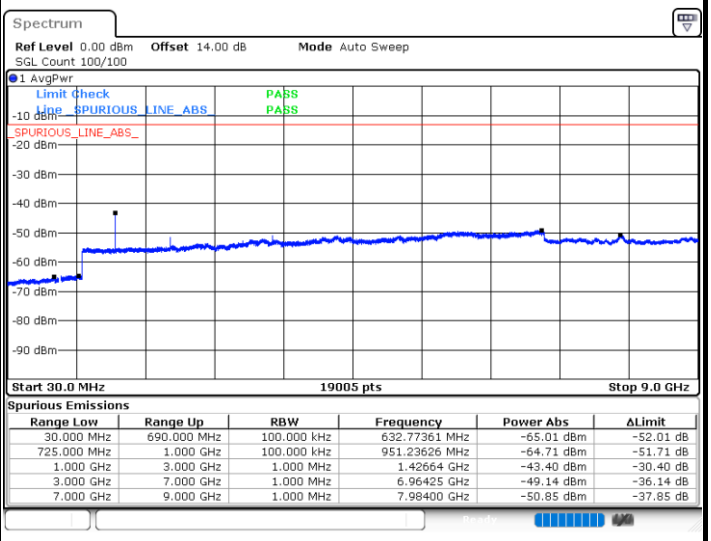


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	621.55922 MHz	-65.12 dBm	-52.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-64.51 dBm	-51.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-42.87 dBm	-29.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91476 GHz	-49.06 dBm	-36.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00250 GHz	-50.84 dBm	-37.84 dB

Date: 10.MAR.2023 01:00:49

Highest Channel / 16QAM



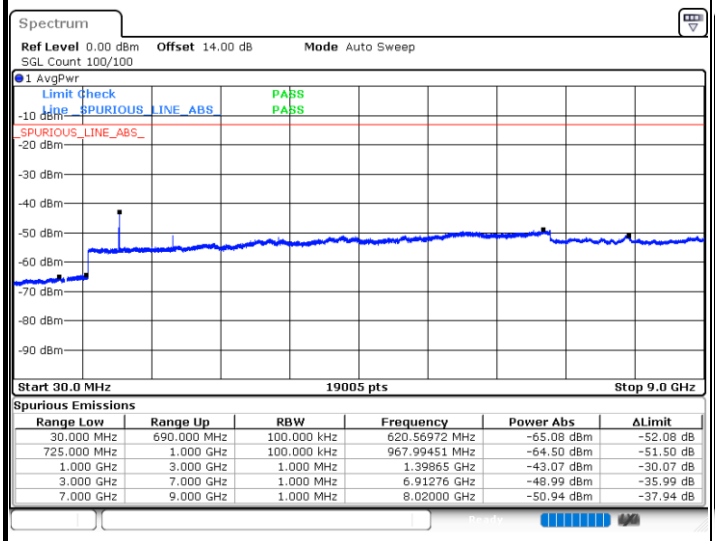
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	632.77361 MHz	-65.01 dBm	-52.01 dB
725.000 MHz	1.000 GHz	100.000 kHz	951.23626 MHz	-64.71 dBm	-51.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-43.40 dBm	-30.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96425 GHz	-49.14 dBm	-36.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.98400 GHz	-50.85 dBm	-37.85 dB

Date: 10.MAR.2023 01:01:52

LTE Band 12 / 5MHz

Lowest Channel / QPSK

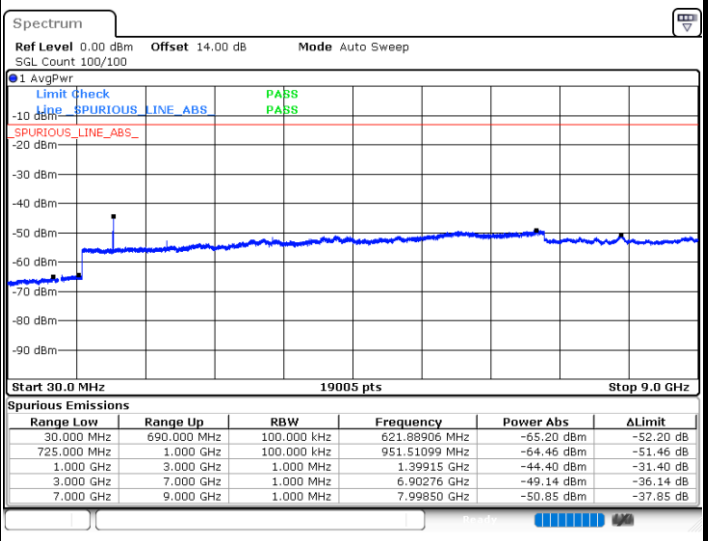


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	620.56972 MHz	-65.08 dBm	-52.08 dB
725.000 MHz	1.000 GHz	100.000 kHz	967.99451 MHz	-64.50 dBm	-51.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.07 dBm	-30.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91276 GHz	-48.99 dBm	-35.99 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.02000 GHz	-50.94 dBm	-37.94 dB

Date: 10.MAR.2023 01:28:56

Lowest Channel / 16QAM

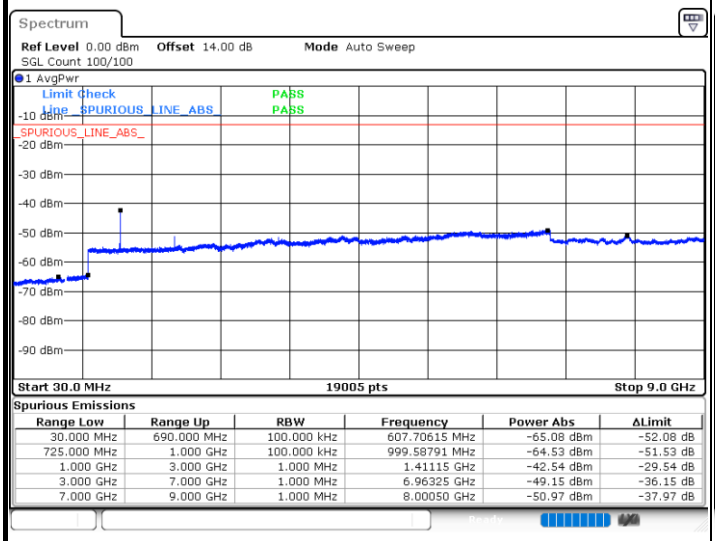


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	621.88906 MHz	-65.20 dBm	-52.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	951.51099 MHz	-64.46 dBm	-51.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.40 dBm	-31.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90276 GHz	-49.14 dBm	-36.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99850 GHz	-50.85 dBm	-37.85 dB

Date: 10.MAR.2023 01:30:00

Middle Channel / QPSK

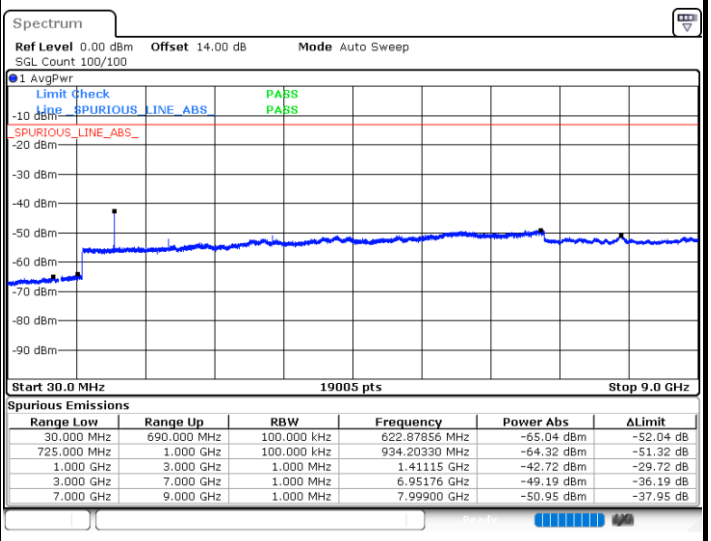


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	607.70615 MHz	-65.08 dBm	-52.08 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.58791 MHz	-64.53 dBm	-51.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-42.54 dBm	-29.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96325 GHz	-49.15 dBm	-36.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00050 GHz	-50.97 dBm	-37.97 dB

Date: 10.MAR.2023 01:33:32

Middle Channel / 16QAM



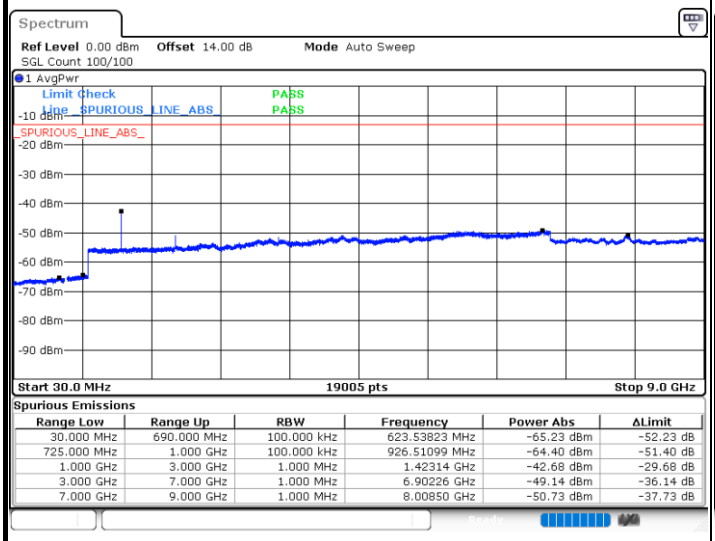
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	622.87856 MHz	-65.04 dBm	-52.04 dB
725.000 MHz	1.000 GHz	100.000 kHz	934.20330 MHz	-64.32 dBm	-51.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-42.72 dBm	-29.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95176 GHz	-49.19 dBm	-36.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99900 GHz	-50.95 dBm	-37.95 dB

Date: 10.MAR.2023 01:32:29

LTE Band 12 / 5MHz

Highest Channel / QPSK

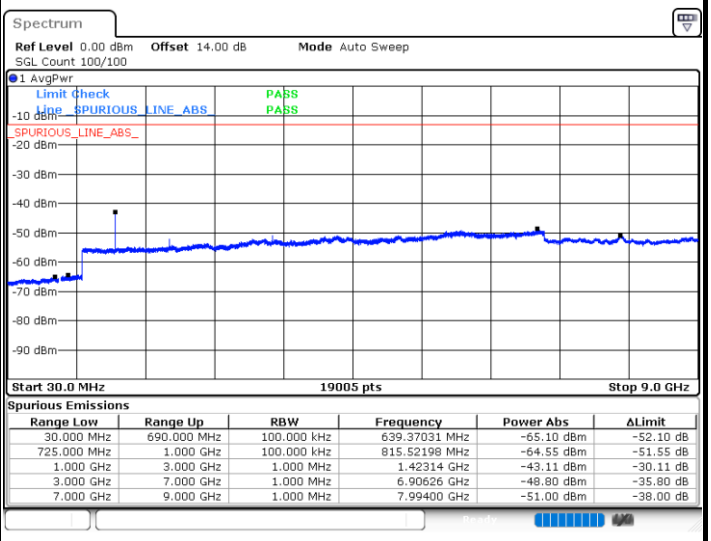


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	623.53823 MHz	-65.23 dBm	-52.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	926.51099 MHz	-64.40 dBm	-51.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-42.68 dBm	-29.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90226 GHz	-49.14 dBm	-36.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00850 GHz	-50.73 dBm	-37.73 dB

Date: 10.MAR.2023 01:42:09

Highest Channel / 16QAM



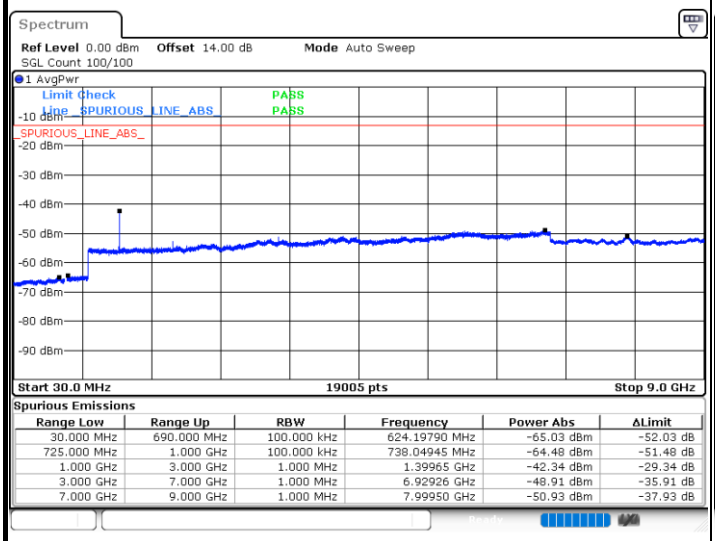
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	639.37031 MHz	-65.10 dBm	-52.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	815.52198 MHz	-64.55 dBm	-51.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.11 dBm	-30.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90626 GHz	-48.80 dBm	-35.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99400 GHz	-51.00 dBm	-38.00 dB

Date: 10.MAR.2023 01:41:05

LTE Band 12 / 10MHz

Lowest Channel / QPSK

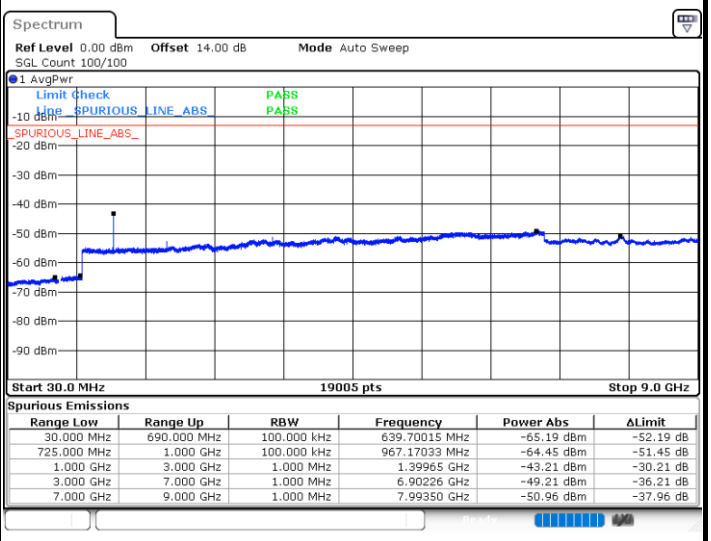


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	624.19790 MHz	-65.03 dBm	-52.03 dB
725.000 MHz	1.000 GHz	100.000 kHz	738.04945 MHz	-64.48 dBm	-51.48 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-42.34 dBm	-29.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92926 GHz	-48.91 dBm	-35.91 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99950 GHz	-50.93 dBm	-37.93 dB

Date: 10.MAR.2023 01:49:34

Lowest Channel / 16QAM



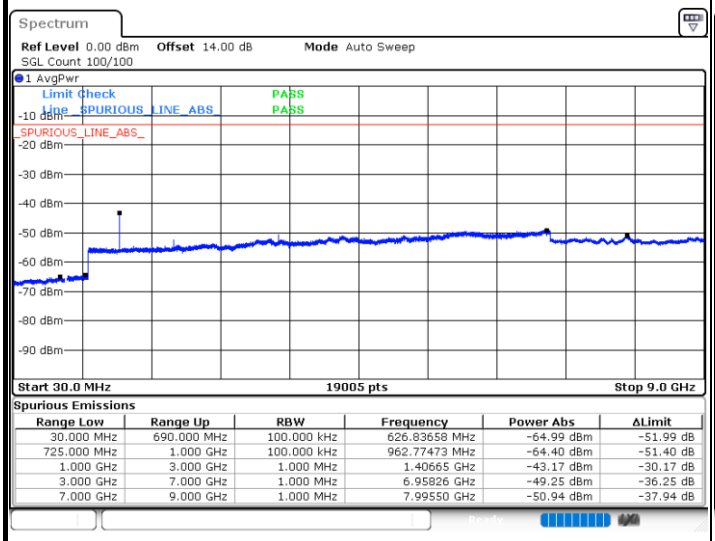
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	639.70015 MHz	-65.19 dBm	-52.19 dB
725.000 MHz	1.000 GHz	100.000 kHz	967.17033 MHz	-64.45 dBm	-51.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.21 dBm	-30.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90226 GHz	-49.21 dBm	-36.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99350 GHz	-50.96 dBm	-37.96 dB

Date: 10.MAR.2023 01:50:37

LTE Band 12 / 10MHz

Middle Channel / QPSK

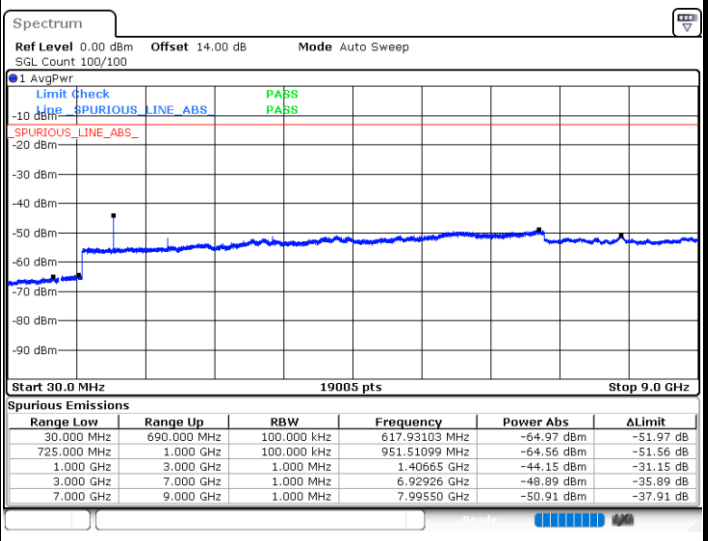


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	626.83658 MHz	-64.99 dBm	-51.99 dB
725.000 MHz	1.000 GHz	100.000 kHz	962.77473 MHz	-64.40 dBm	-51.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-43.17 dBm	-30.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95826 GHz	-49.25 dBm	-36.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99550 GHz	-50.94 dBm	-37.94 dB

Date: 10.MAR.2023 01:54:09

Middle Channel / 16QAM

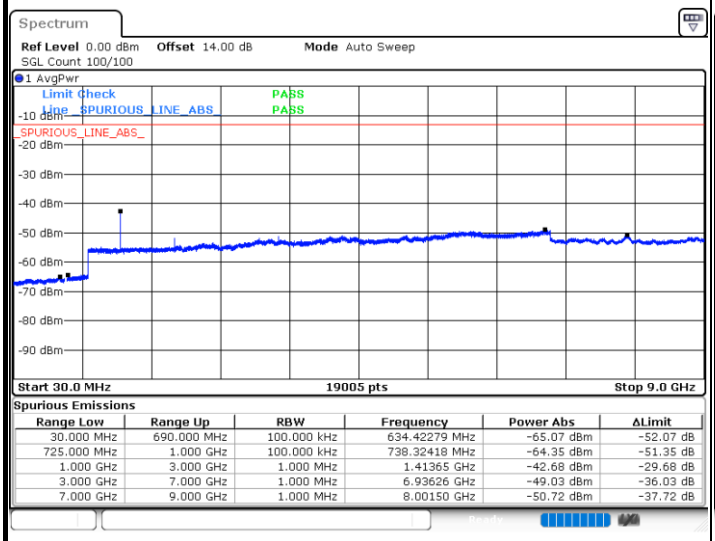


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	617.93103 MHz	-64.97 dBm	-51.97 dB
725.000 MHz	1.000 GHz	100.000 kHz	951.51099 MHz	-64.56 dBm	-51.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-44.15 dBm	-31.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92926 GHz	-48.89 dBm	-35.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99550 GHz	-50.91 dBm	-37.91 dB

Date: 10.MAR.2023 01:53:06

Highest Channel / QPSK

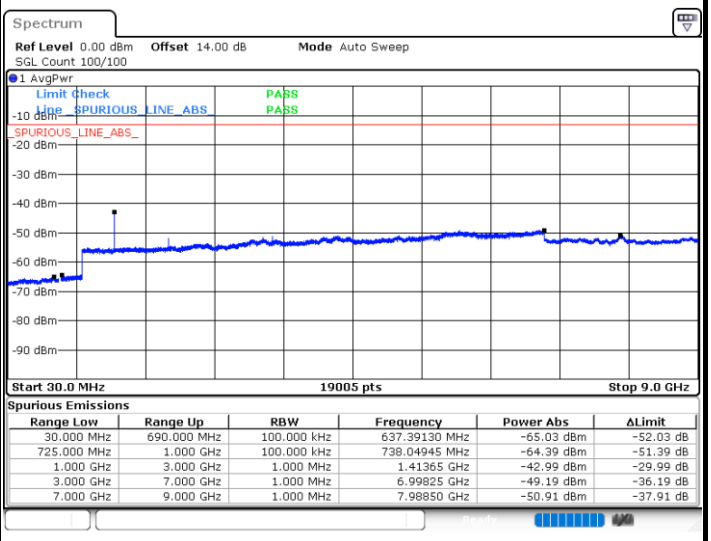


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	634.42279 MHz	-65.07 dBm	-52.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	738.32418 MHz	-64.35 dBm	-51.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-42.68 dBm	-29.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93626 GHz	-49.03 dBm	-36.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00150 GHz	-50.72 dBm	-37.72 dB

Date: 10.MAR.2023 02:01:44

Highest Channel / 16QAM



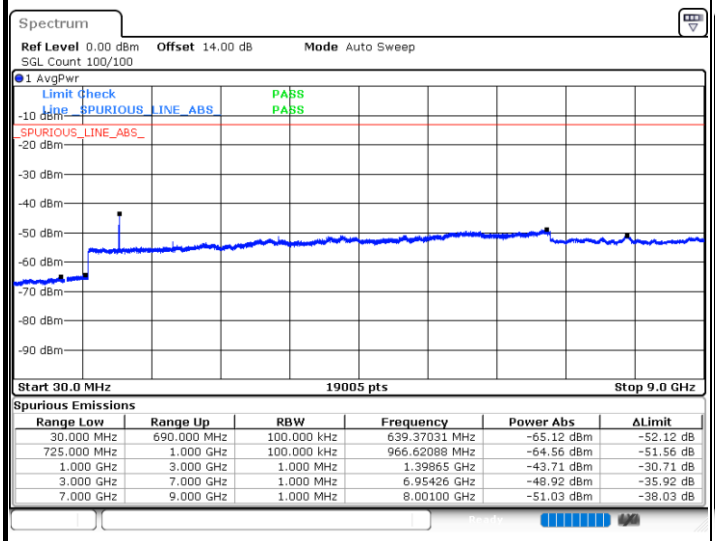
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	637.39130 MHz	-65.03 dBm	-52.03 dB
725.000 MHz	1.000 GHz	100.000 kHz	738.04945 MHz	-64.39 dBm	-51.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-42.99 dBm	-29.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-49.19 dBm	-36.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.98850 GHz	-50.91 dBm	-37.91 dB

Date: 10.MAR.2023 02:02:47

LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

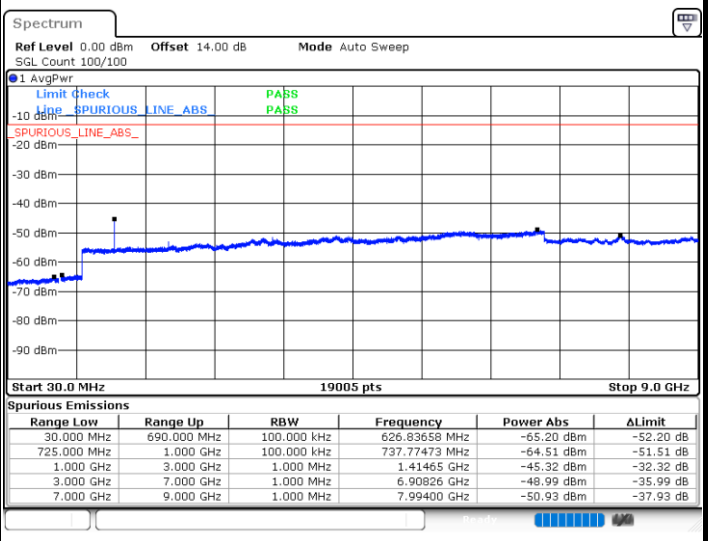


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	639.37031 MHz	-65.12 dBm	-52.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	966.62088 MHz	-64.56 dBm	-51.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.71 dBm	-30.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95426 GHz	-48.92 dBm	-35.92 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00100 GHz	-51.03 dBm	-38.03 dB

Date: 10.MAR.2023 00:35:26

Middle Channel / 64QAM

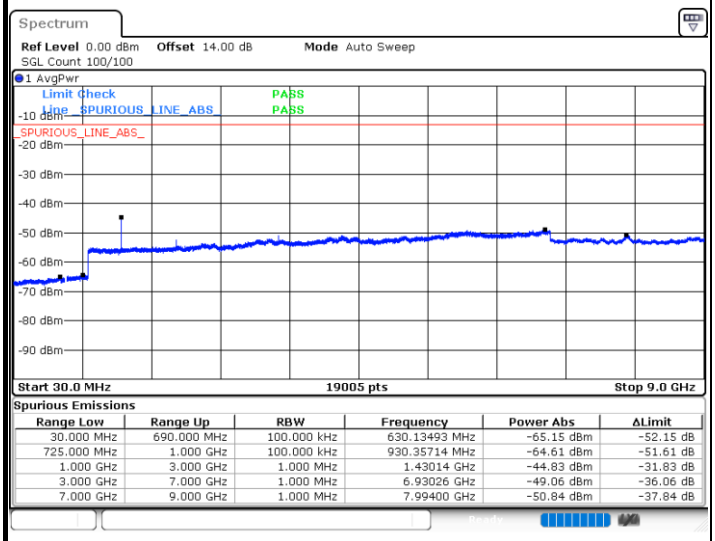


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	626.83658 MHz	-65.20 dBm	-52.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	737.77473 MHz	-64.51 dBm	-51.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-45.32 dBm	-32.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90826 GHz	-48.99 dBm	-35.99 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99400 GHz	-50.93 dBm	-37.93 dB

Date: 10.MAR.2023 00:37:07

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	630.13493 MHz	-65.15 dBm	-52.15 dB
725.000 MHz	1.000 GHz	100.000 kHz	930.35714 MHz	-64.61 dBm	-51.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-44.83 dBm	-31.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93026 GHz	-49.06 dBm	-36.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99400 GHz	-50.84 dBm	-37.84 dB

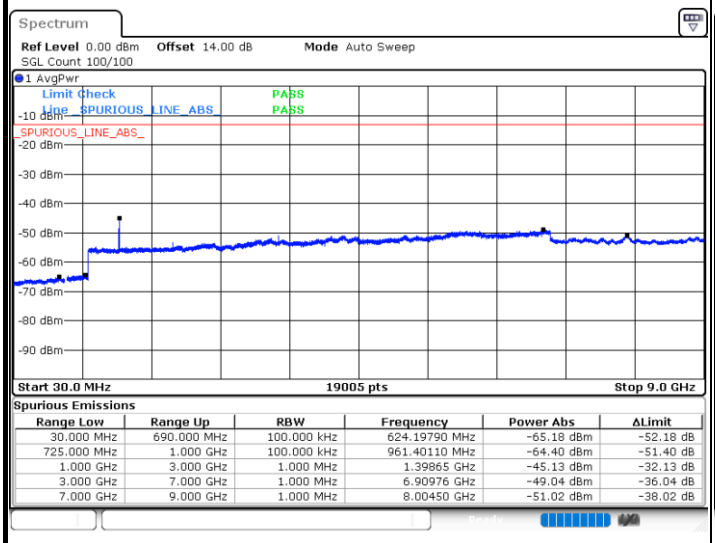
Date: 10.MAR.2023 00:41:16

NA

NA

LTE Band 12 / 3MHz

Lowest Channel / 64QAM

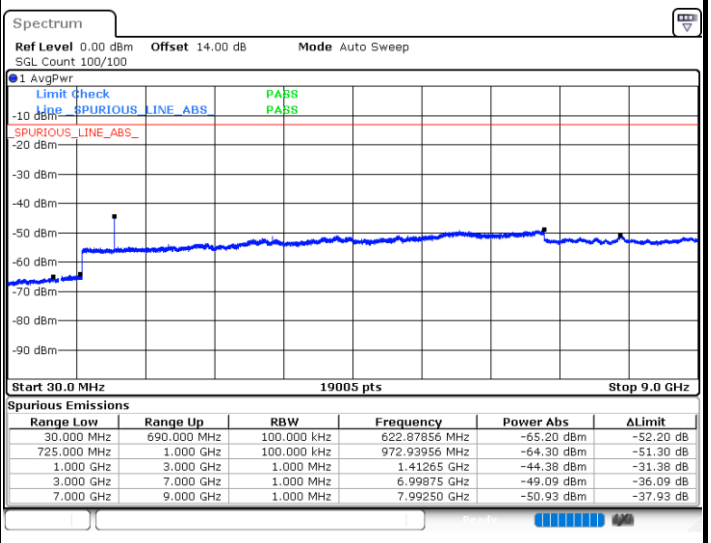


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	624.19790 MHz	-65.18 dBm	-52.18 dB
725.000 MHz	1.000 GHz	100.000 kHz	961.40110 MHz	-64.40 dBm	-51.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-45.13 dBm	-32.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90976 GHz	-49.04 dBm	-36.04 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00450 GHz	-51.02 dBm	-38.02 dB

Date: 10.MAR.2023 01:05:51

Middle Channel / 64QAM

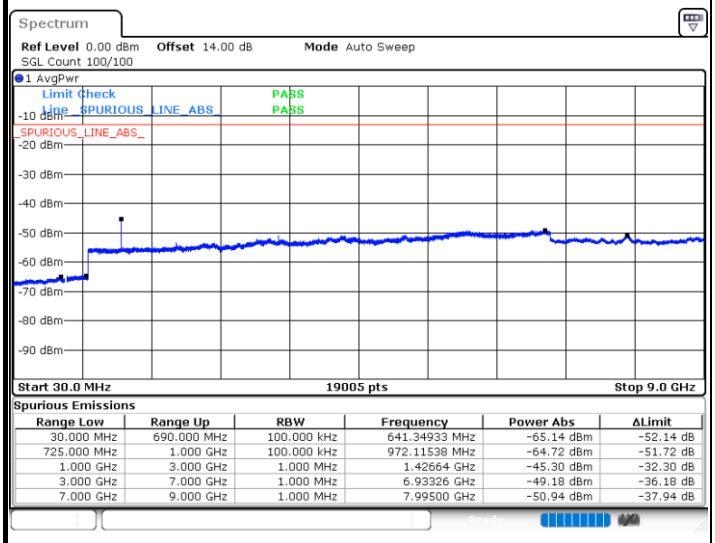


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	622.87856 MHz	-65.20 dBm	-52.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	972.93956 MHz	-64.30 dBm	-51.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-44.38 dBm	-31.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-49.09 dBm	-36.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99250 GHz	-50.93 dBm	-37.93 dB

Date: 10.MAR.2023 01:07:32

Highest Channel / 64QAM



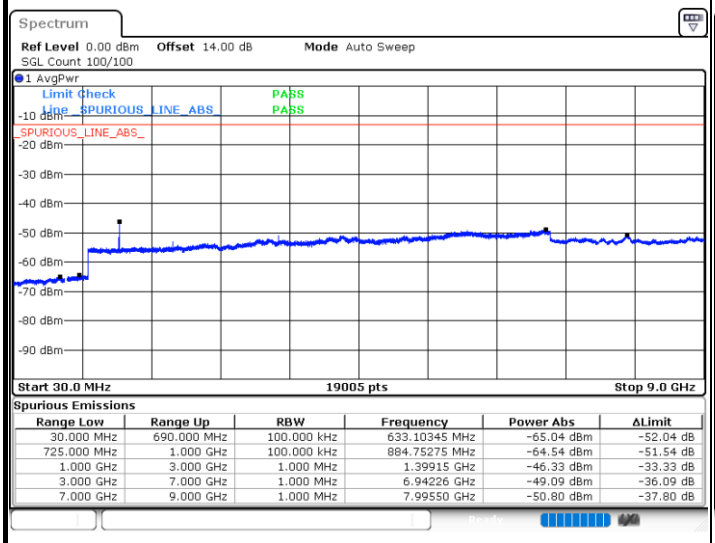
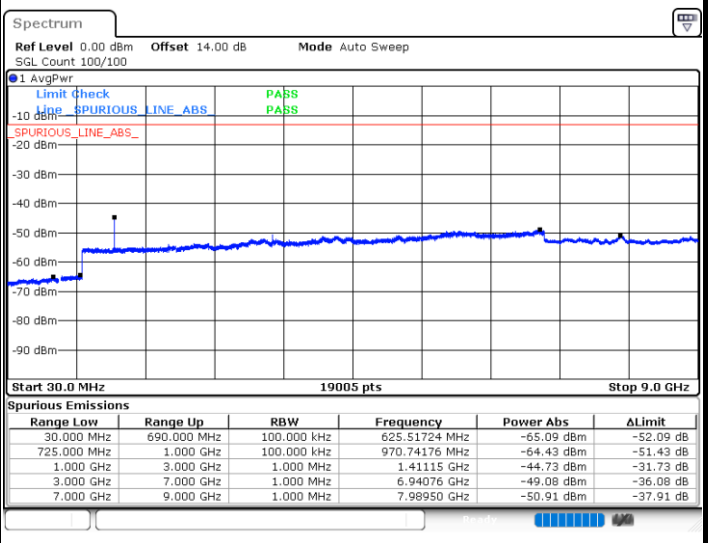
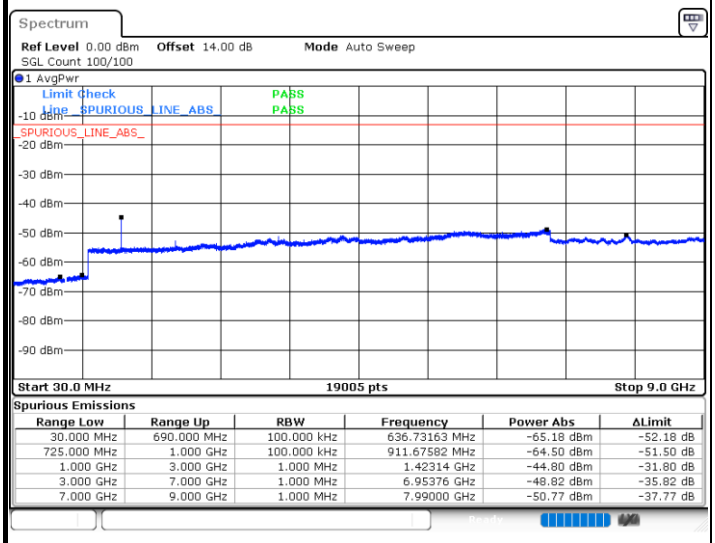
Spurious Emissions

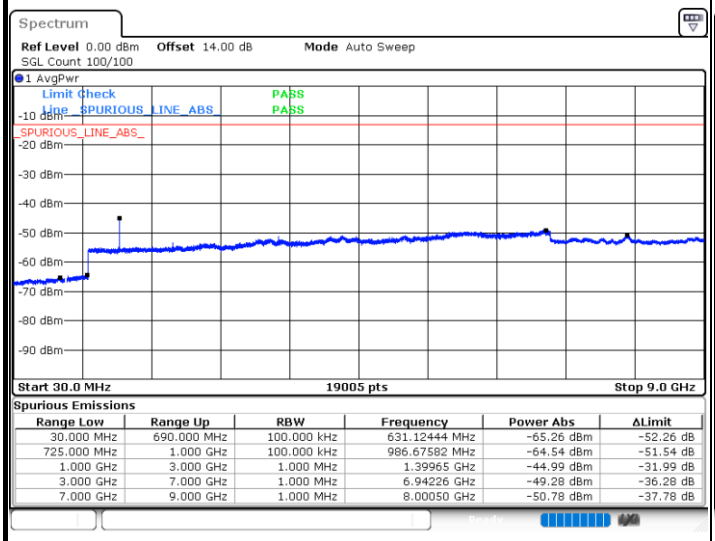
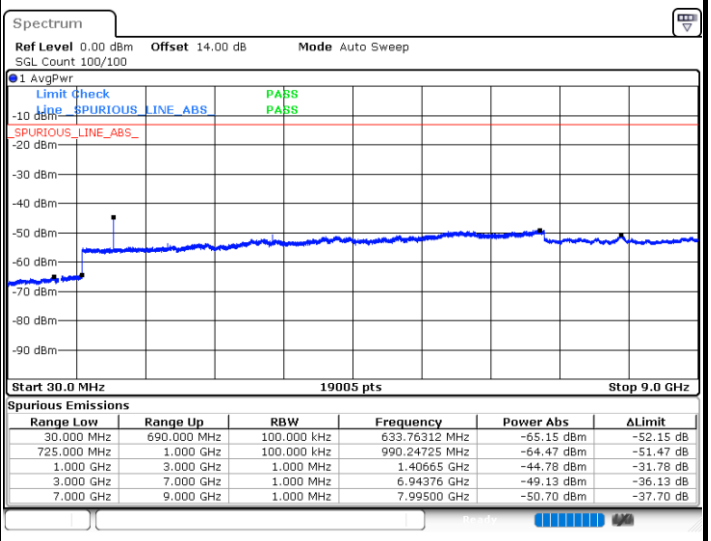
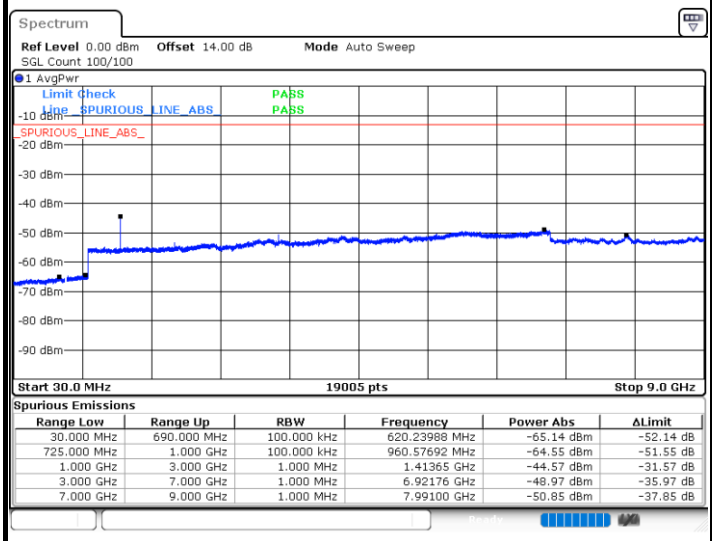
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	641.34933 MHz	-65.14 dBm	-52.14 dB
725.000 MHz	1.000 GHz	100.000 kHz	972.11538 MHz	-64.72 dBm	-51.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-45.30 dBm	-32.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93326 GHz	-49.18 dBm	-36.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99500 GHz	-50.94 dBm	-37.94 dB

Date: 10.MAR.2023 01:11:41

NA

NA

LTE Band 12 / 5MHz	
Lowest Channel / 64QAM	**Middle Channel / 64QAM**
 Spurious Emissions Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit 30.000 MHz | 690.000 MHz | 100.000 kHz | 633.10345 MHz | -65.04 dBm | -52.04 dB 725.000 MHz | 1.000 GHz | 100.000 kHz | 884.75275 MHz | -64.54 dBm | -51.54 dB 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39915 GHz | -46.33 dBm | -33.33 dB 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.94226 GHz | -49.09 dBm | -36.09 dB 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.99550 GHz | -50.80 dBm | -37.80 dB Date: 10.MAR.2023 01:15:43	 Spurious Emissions Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit 30.000 MHz | 690.000 MHz | 100.000 kHz | 625.51724 MHz | -65.09 dBm | -52.09 dB 725.000 MHz | 1.000 GHz | 100.000 kHz | 970.74176 MHz | -64.43 dBm | -51.43 dB 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.41115 GHz | -44.73 dBm | -31.73 dB 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.94076 GHz | -49.08 dBm | -36.08 dB 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.98950 GHz | -50.91 dBm | -37.91 dB Date: 10.MAR.2023 01:17:24
Highest Channel / 64QAM	**NA**
 Spurious Emissions Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit 30.000 MHz | 690.000 MHz | 100.000 kHz | 636.73163 MHz | -65.18 dBm | -52.18 dB 725.000 MHz | 1.000 GHz | 100.000 kHz | 911.67582 MHz | -64.50 dBm | -51.50 dB 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.42314 GHz | -44.80 dBm | -31.80 dB 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.95376 GHz | -48.82 dBm | -35.82 dB 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.99000 GHz | -50.77 dBm | -37.77 dB Date: 10.MAR.2023 01:21:32	**NA**

LTE Band 12 / 10MHz	
Lowest Channel / 64QAM	**Middle Channel / 64QAM**
	
Highest Channel / 64QAM	**NA**
	**NA**

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0062	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0065	
0	Normal Voltage	0.0099	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0051	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0105	
20	Battery End Point	0.0004	

Note:

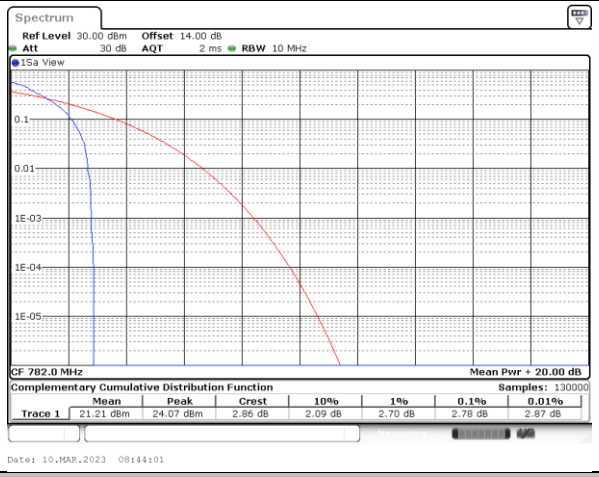
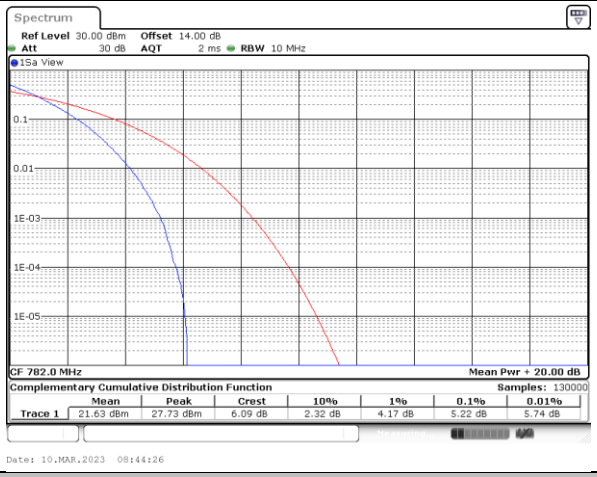
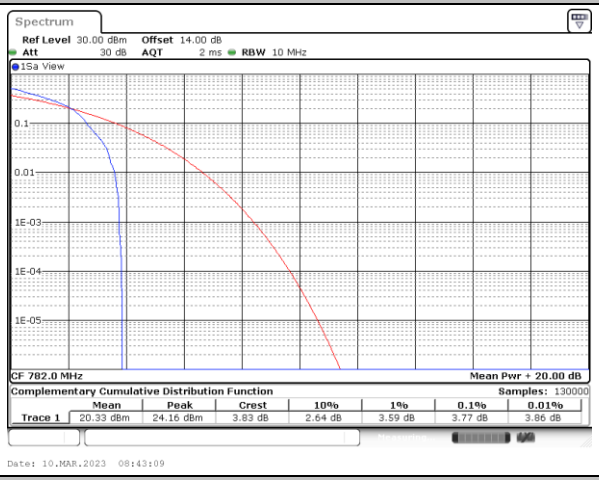
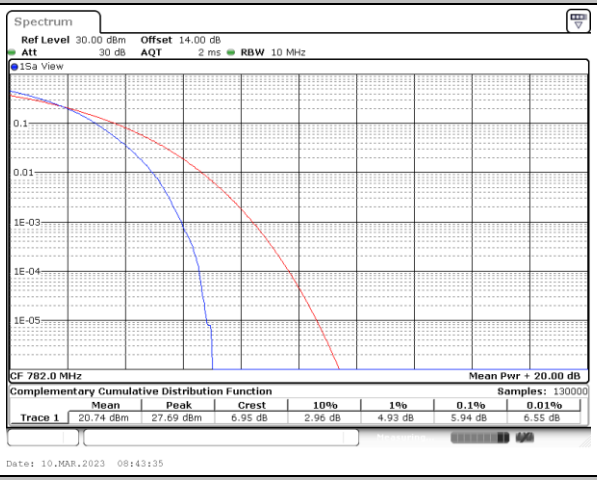
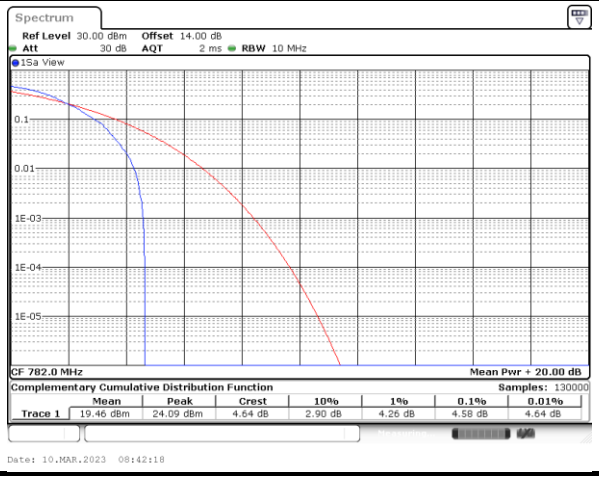
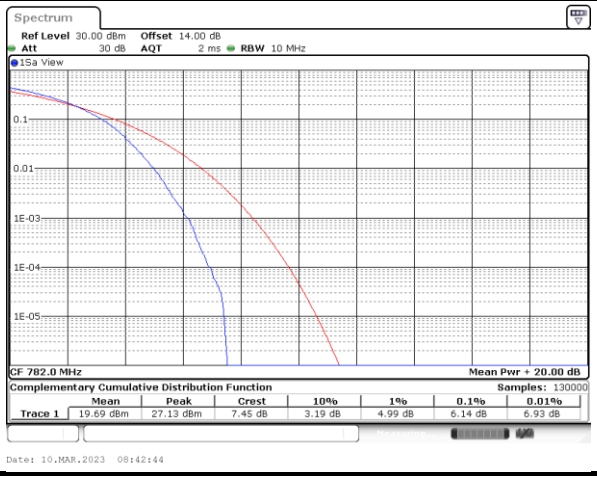
1. Normal Voltage =3.91V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.

2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	2.78	5.22	3.77	5.94	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.58	6.14	-	-	
Highest CH	-	-	-	-	

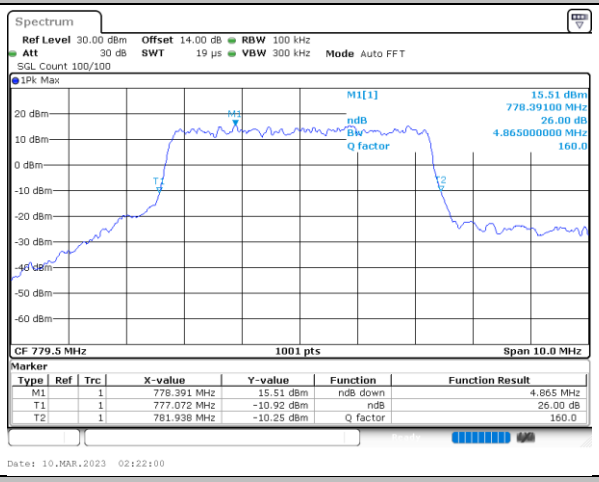
LTE Band 13 / 10MHz / QPSK	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
LTE Band 13 / 10MHz / 16QAM	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
LTE Band 13 / 10MHz / 64QAM	
Middle Channel / 1RB	**Middle Channel / Full RB**
	

26dB Bandwidth

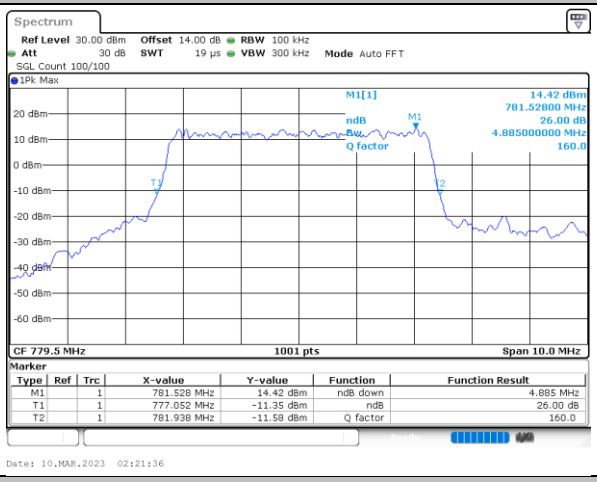
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.87	4.89	-	-	-	-	-	-
Middle CH	-	-	-	-	4.86	4.92	9.71	9.77	-	-	-	-
Highest CH	-	-	-	-	4.89	4.82	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.91	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.87	-	9.75	-	-	-	-	-
Highest CH	-	-	-	-	4.78	-	-	-	-	-	-	-

LTE Band 13

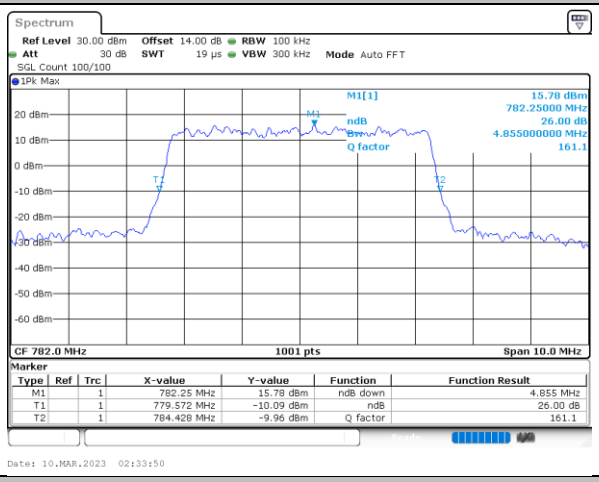
Lowest Channel / 5MHz / QPSK



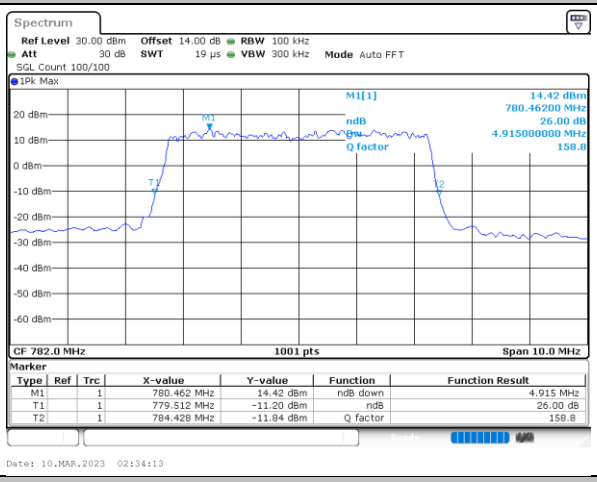
Lowest Channel / 5MHz / 16QAM



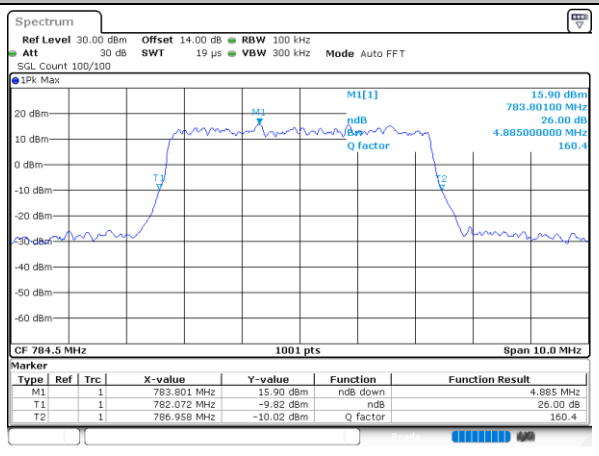
Middle Channel / 5MHz / QPSK



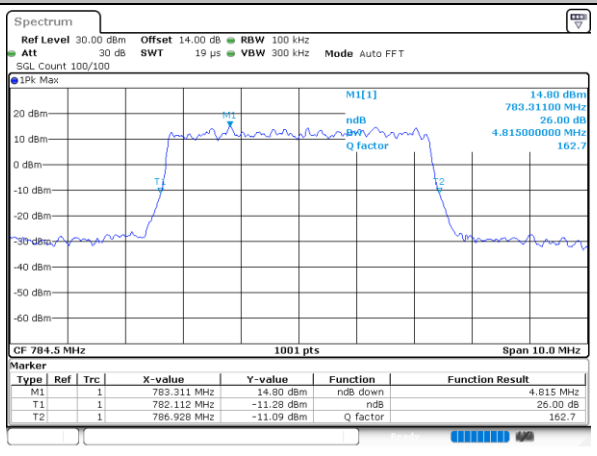
Middle Channel / 5MHz / 16QAM

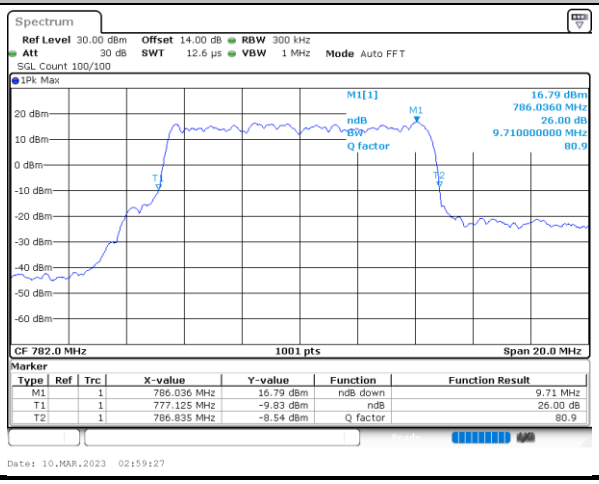
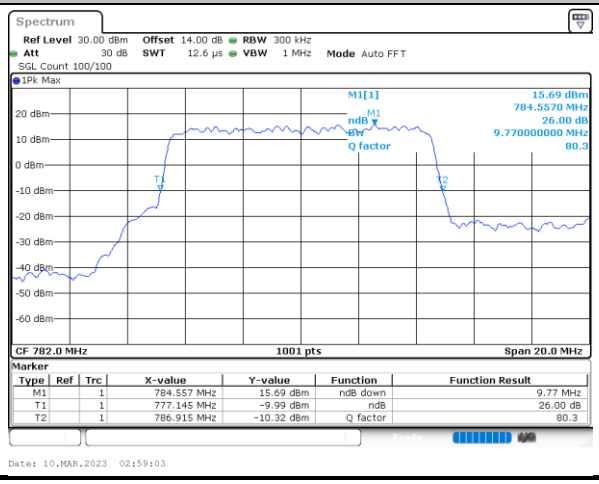


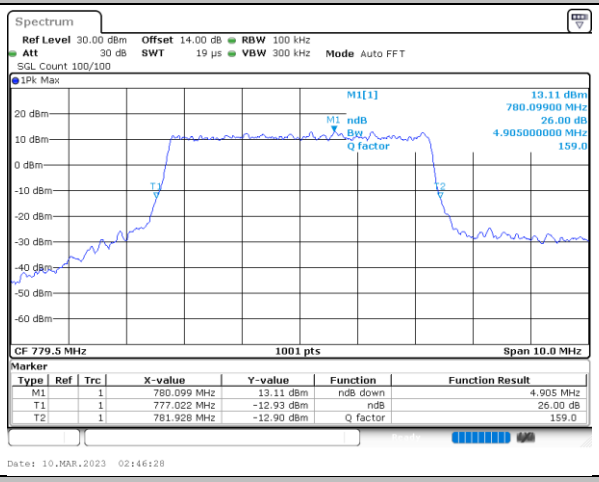
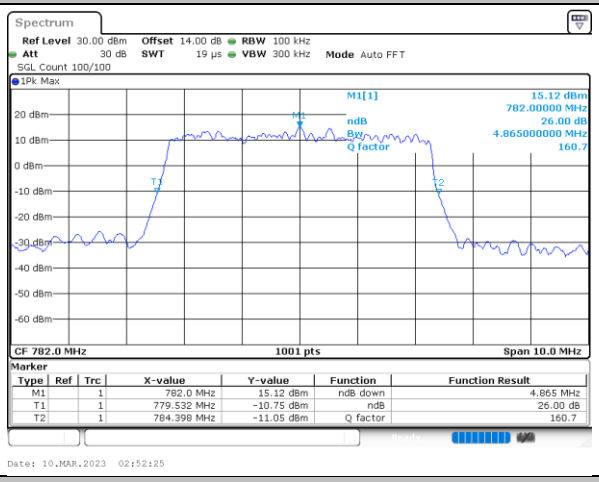
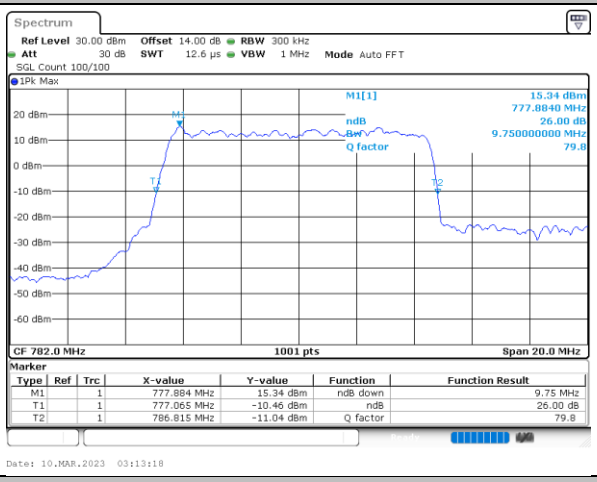
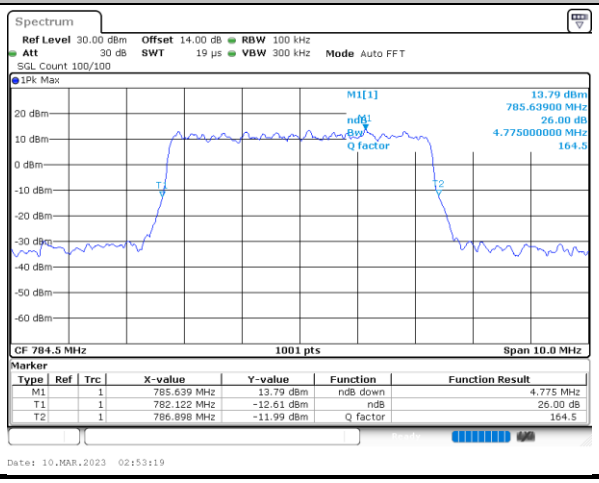
Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM



LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

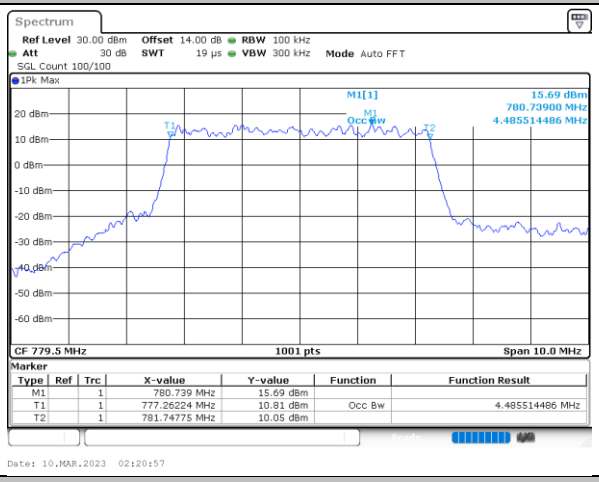
LTE Band 13	
Lowest Channel / 5MHz / 64QAM	**NA**
	**NA**
Middle Channel / 5MHz / 64QAM	**Middle Channel / 10MHz / 64QAM**
	
Highest Channel / 5MHz / 64QAM	**NA**
	**NA**

Occupied Bandwidth

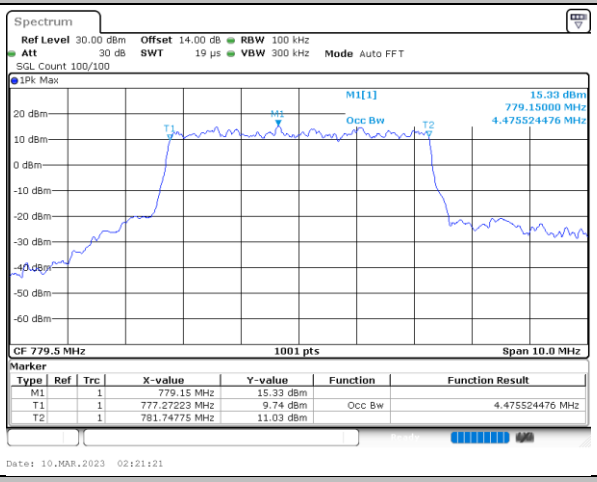
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	4.47	9.07	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.50	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	-	9.03	-	-	-	-	-
Highest CH	-	-	-	-	4.51	-	-	-	-	-	-	-

LTE Band 13

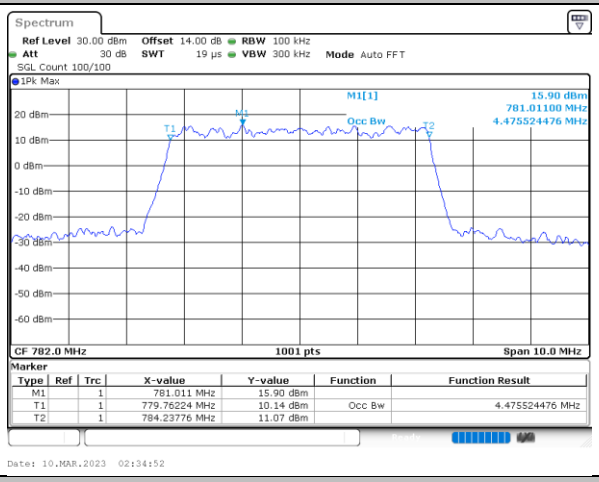
Lowest Channel / 5MHz / QPSK



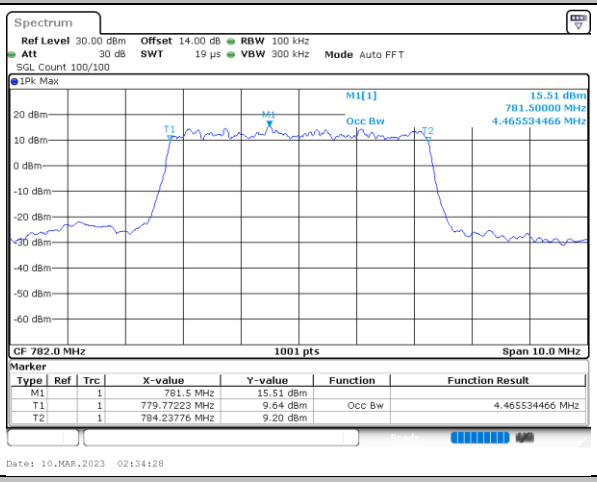
Lowest Channel / 5MHz / 16QAM



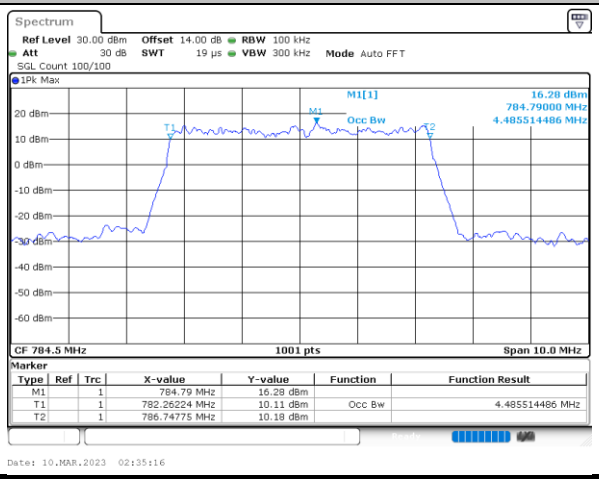
Middle Channel / 5MHz / QPSK



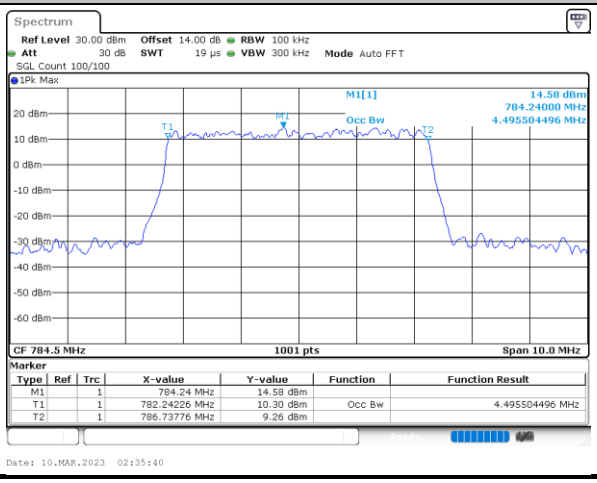
Middle Channel / 5MHz / 16QAM



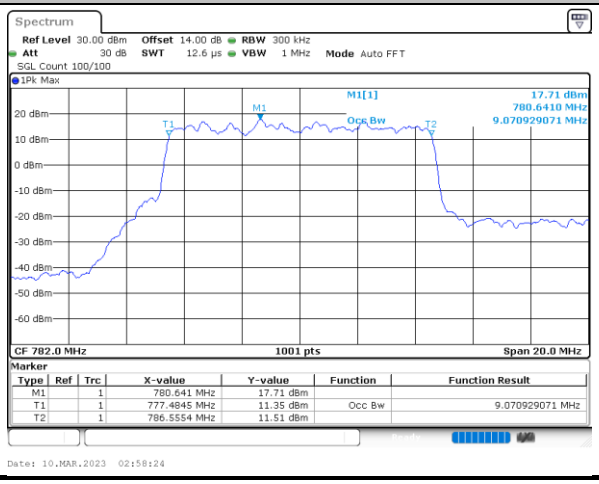
Highest Channel / 5MHz / QPSK

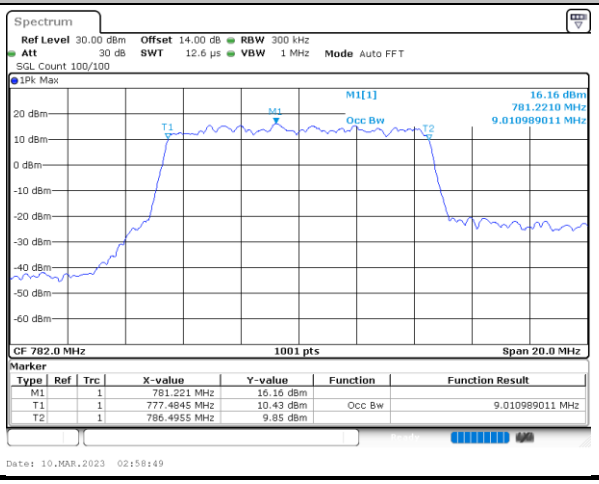


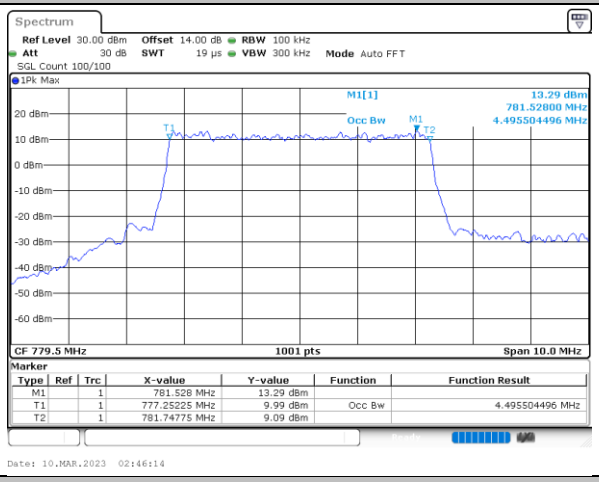
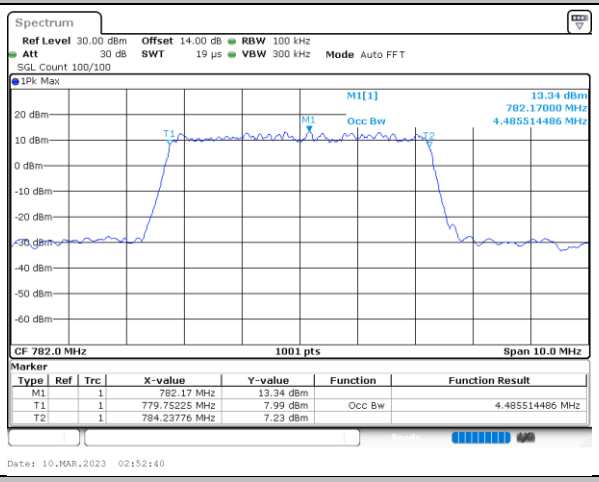
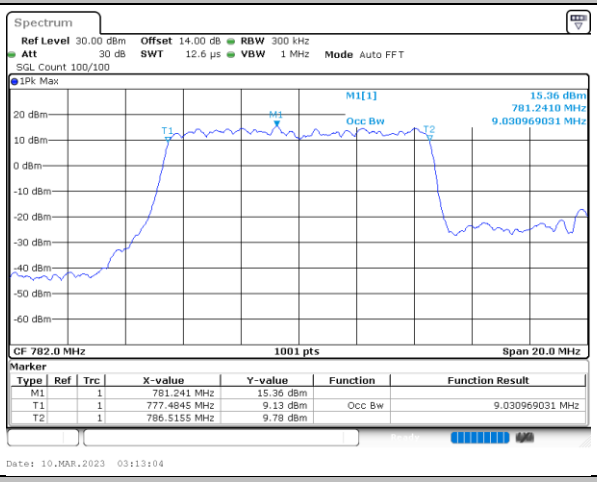
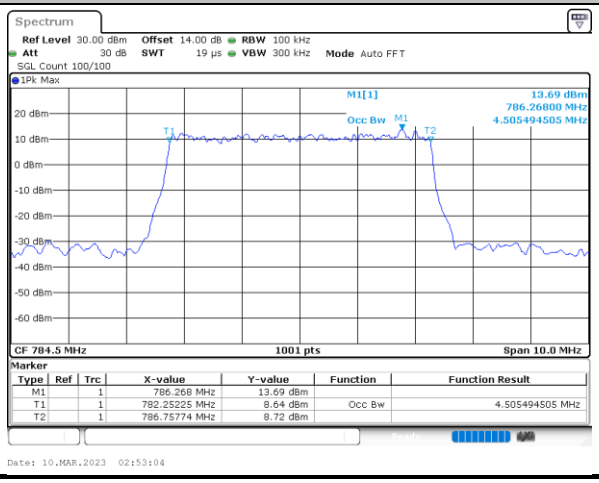
Highest Channel / 5MHz / 16QAM



LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**



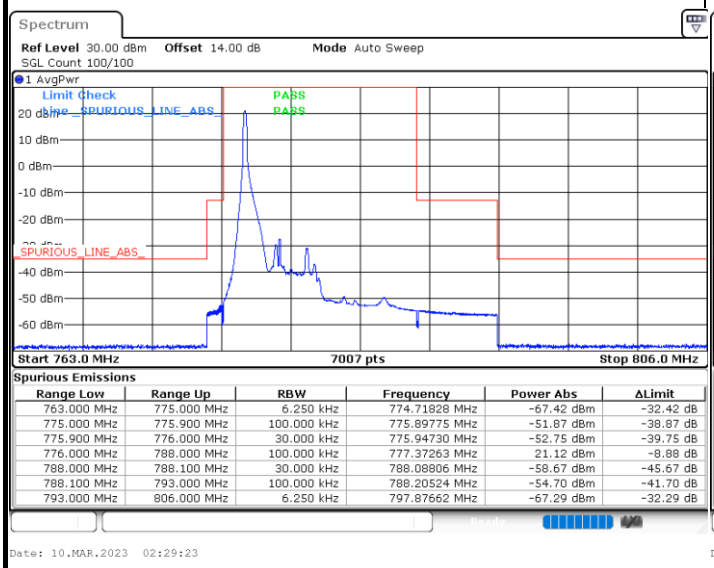


LTE Band 13	
Lowest Channel / 5MHz / 64QAM	**NA**
	**NA**
Middle Channel / 5MHz / 64QAM	**Middle Channel / 10MHz / 64QAM**
	
Highest Channel / 5MHz / 64QAM	**NA**
	**NA**

Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

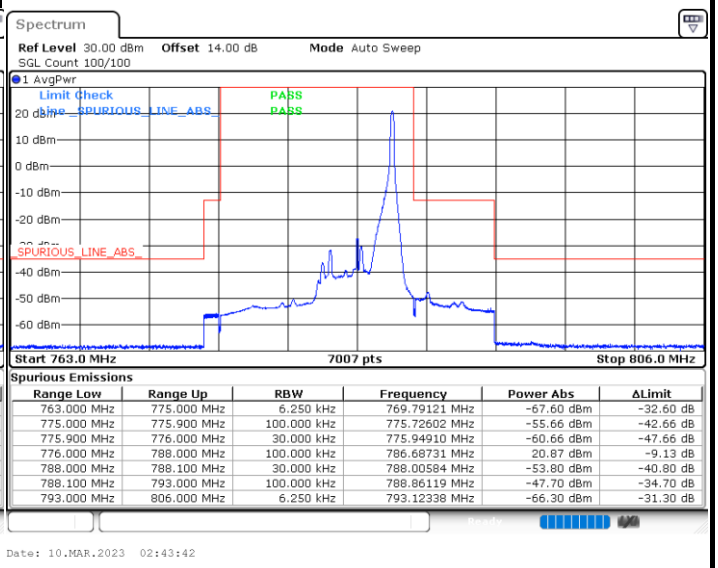


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.71828 MHz	-67.42 dBm	-32.42 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89775 MHz	-51.87 dBm	-38.87 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94730 MHz	-52.75 dBm	-39.75 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.37263 MHz	21.12 dBm	-8.88 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08806 MHz	-58.67 dBm	-45.67 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.20524 MHz	-54.70 dBm	-41.70 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.87662 MHz	-67.29 dBm	-32.29 dB

Date: 10.MAR.2023 02:29:23

Highest Band Edge / 1 RB

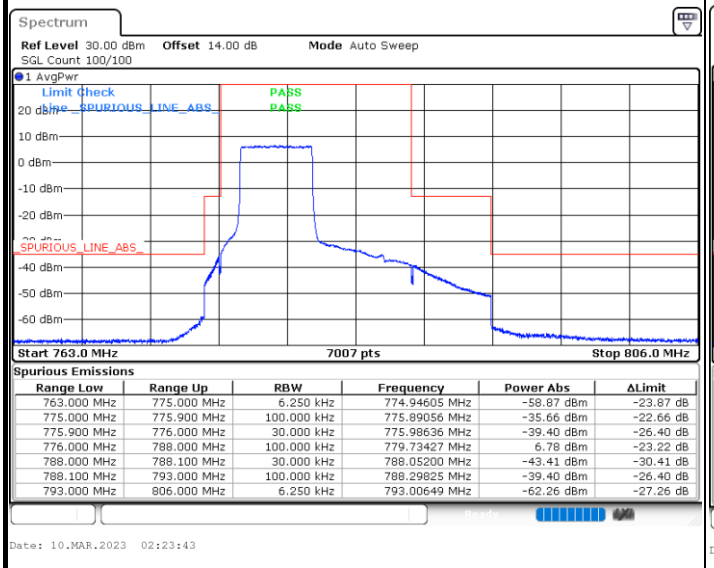


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.79121 MHz	-67.60 dBm	-32.60 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.72602 MHz	-55.66 dBm	-42.66 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94910 MHz	-60.66 dBm	-47.66 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.68731 MHz	20.87 dBm	-9.13 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00584 MHz	-53.80 dBm	-40.80 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.86119 MHz	-47.70 dBm	-34.70 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.12338 MHz	-66.30 dBm	-31.30 dB

Date: 10.MAR.2023 02:43:42

Lowest Band Edge / Full RB

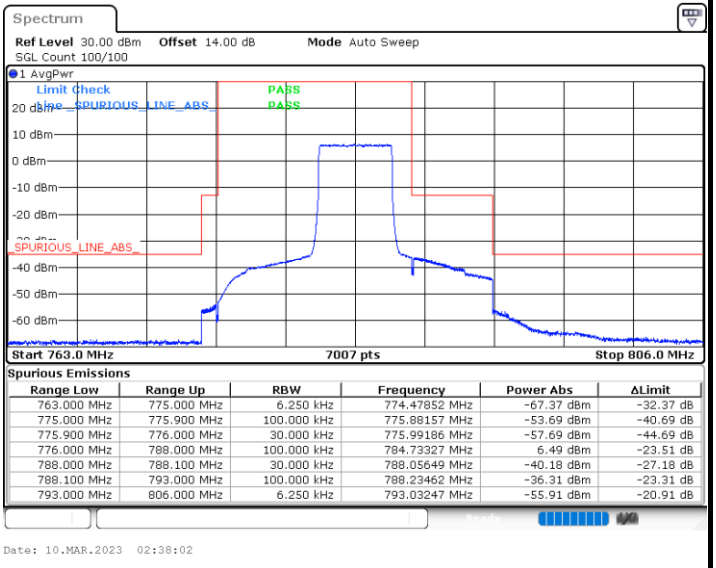


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.94605 MHz	-58.87 dBm	-23.87 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89056 MHz	-35.66 dBm	-22.66 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98636 MHz	-39.40 dBm	-26.40 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.73427 MHz	6.78 dBm	-23.22 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05200 MHz	-43.41 dBm	-30.41 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.29825 MHz	-39.40 dBm	-26.40 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-62.26 dBm	-27.26 dB

Date: 10.MAR.2023 02:23:43

Highest Band Edge / Full RB



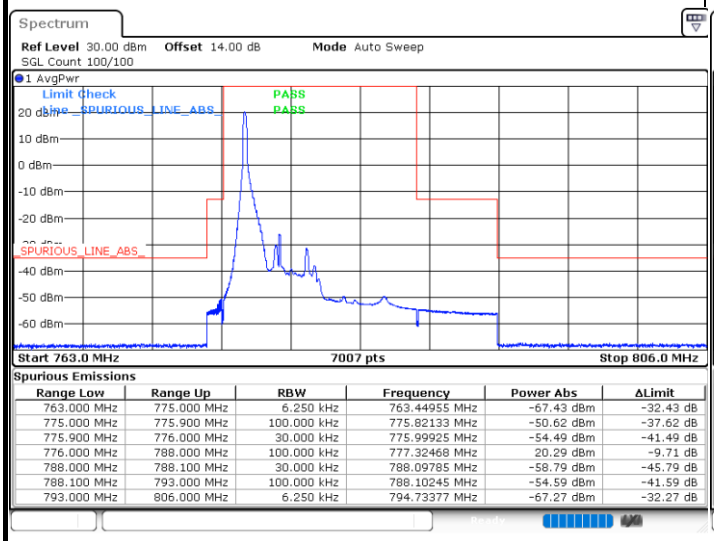
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.47852 MHz	-67.37 dBm	-32.37 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88157 MHz	-53.69 dBm	-40.69 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99186 MHz	-57.69 dBm	-44.69 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.73327 MHz	6.49 dBm	-23.51 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05649 MHz	-40.18 dBm	-27.18 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.23462 MHz	-36.31 dBm	-23.31 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-55.91 dBm	-20.91 dB

Date: 10.MAR.2023 02:38:02

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

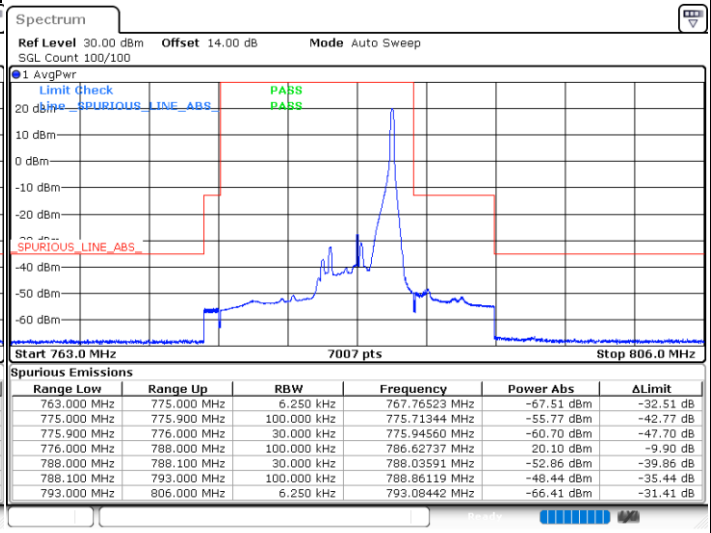


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.44955 MHz	-67.43 dBm	-32.43 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.82133 MHz	-50.62 dBm	-37.62 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99925 MHz	-54.49 dBm	-41.49 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.32468 MHz	20.29 dBm	-9.71 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09785 MHz	-58.79 dBm	-45.79 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-54.59 dBm	-41.59 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.73377 MHz	-67.27 dBm	-32.27 dB

Date: 10.MAR.2023 02:27:30

Highest Band Edge / 1 RB

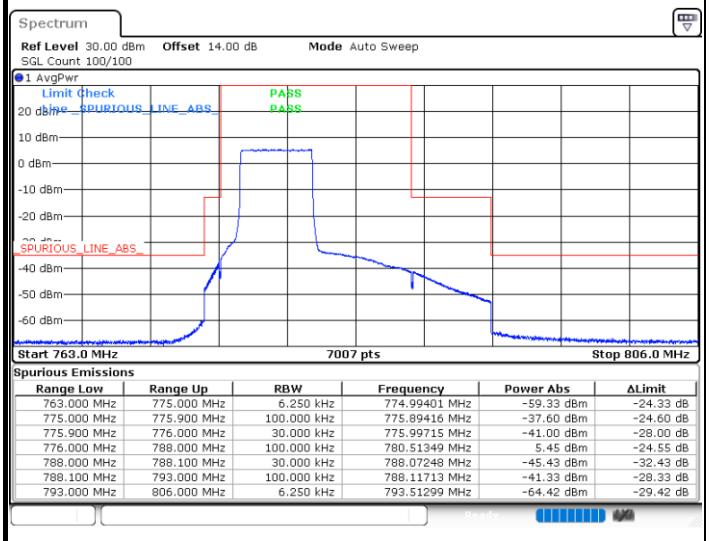


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.76523 MHz	-67.51 dBm	-32.51 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.71344 MHz	-55.77 dBm	-42.77 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94560 MHz	-60.70 dBm	-47.70 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	20.10 dBm	-9.90 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03591 MHz	-52.86 dBm	-39.86 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.86119 MHz	-48.44 dBm	-35.44 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.08442 MHz	-66.41 dBm	-31.41 dB

Date: 10.MAR.2023 02:41:49

Lowest Band Edge / Full RB

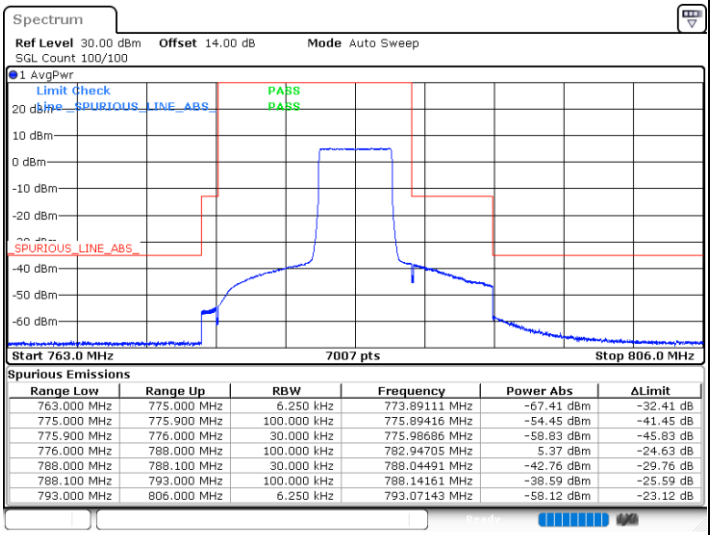


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-59.33 dBm	-24.33 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89416 MHz	-37.60 dBm	-24.60 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99715 MHz	-41.00 dBm	-28.00 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.51349 MHz	5.45 dBm	-24.55 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07248 MHz	-45.43 dBm	-32.43 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-41.33 dBm	-28.33 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.51299 MHz	-64.42 dBm	-29.42 dB

Date: 10.MAR.2023 02:25:37

Highest Band Edge / Full RB



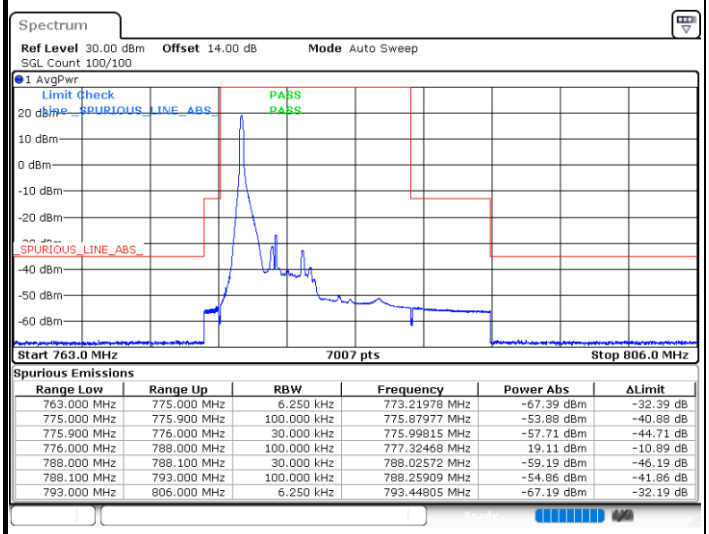
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.89111 MHz	-67.41 dBm	-32.41 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89416 MHz	-54.45 dBm	-41.45 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98686 MHz	-58.83 dBm	-45.83 dB
776.000 MHz	788.000 MHz	100.000 kHz	782.94705 MHz	5.37 dBm	-24.63 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04491 MHz	-42.76 dBm	-29.76 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.14161 MHz	-38.59 dBm	-25.59 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.07143 MHz	-58.12 dBm	-23.12 dB

Date: 10.MAR.2023 02:39:55

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

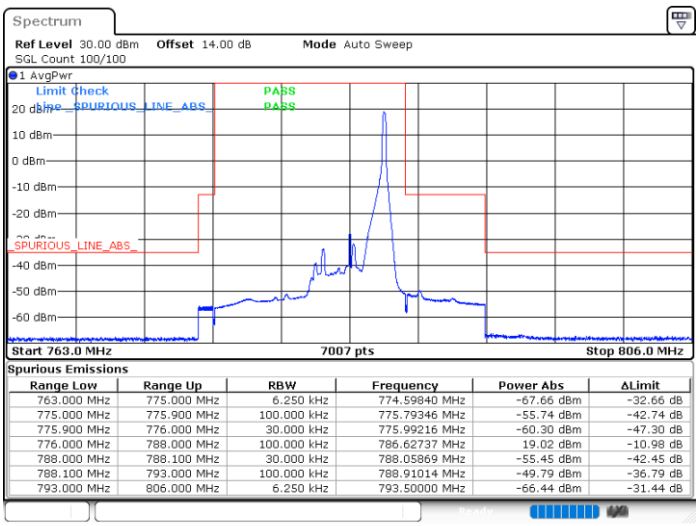


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.21978 MHz	-67.39 dBm	-32.39 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87977 MHz	-53.88 dBm	-40.88 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99815 MHz	-57.71 dBm	-44.71 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.32468 MHz	19.11 dBm	-10.89 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02572 MHz	-59.19 dBm	-46.19 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.25909 MHz	-54.86 dBm	-41.86 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.44805 MHz	-67.19 dBm	-32.19 dB

Date: 10.MAR.2023 02:50:05

Highest Band Edge / 1 RB

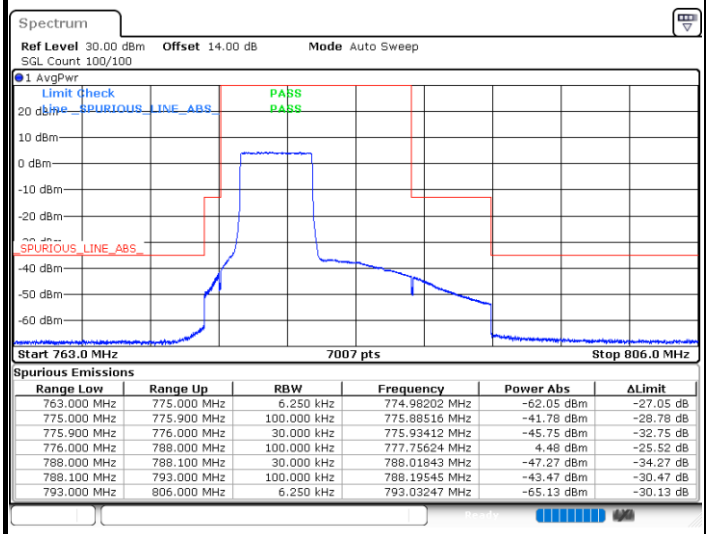


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.59840 MHz	-67.66 dBm	-32.66 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.79346 MHz	-55.74 dBm	-42.74 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99216 MHz	-60.30 dBm	-47.30 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	19.02 dBm	-10.98 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05869 MHz	-55.45 dBm	-42.45 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.91014 MHz	-49.79 dBm	-36.79 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.50000 MHz	-66.44 dBm	-31.44 dB

Date: 10.MAR.2023 02:56:56

Lowest Band Edge / Full RB

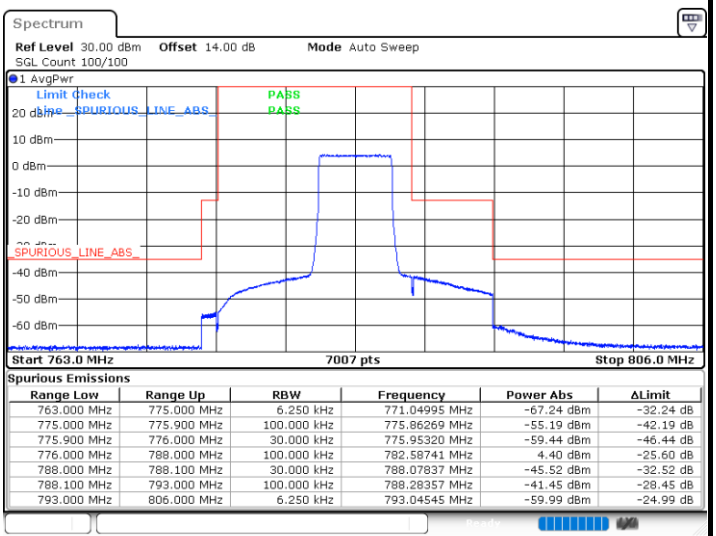


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-62.05 dBm	-27.05 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88516 MHz	-41.78 dBm	-28.78 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93412 MHz	-45.75 dBm	-32.75 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.75624 MHz	4.48 dBm	-25.52 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01843 MHz	-47.27 dBm	-34.27 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.19545 MHz	-43.47 dBm	-30.47 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-65.13 dBm	-30.13 dB

Date: 10.MAR.2023 02:48:11

Highest Band Edge / Full RB



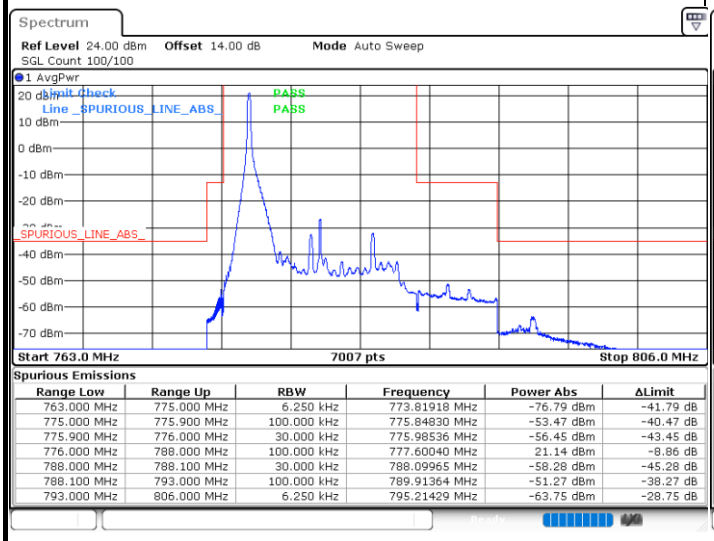
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.04995 MHz	-67.24 dBm	-32.24 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86269 MHz	-55.19 dBm	-42.19 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95320 MHz	-59.44 dBm	-46.44 dB
776.000 MHz	788.000 MHz	100.000 kHz	782.58741 MHz	4.40 dBm	-25.60 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07837 MHz	-45.52 dBm	-32.52 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.28357 MHz	-41.45 dBm	-28.45 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.04545 MHz	-59.99 dBm	-24.99 dB

Date: 10.MAR.2023 02:55:02

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

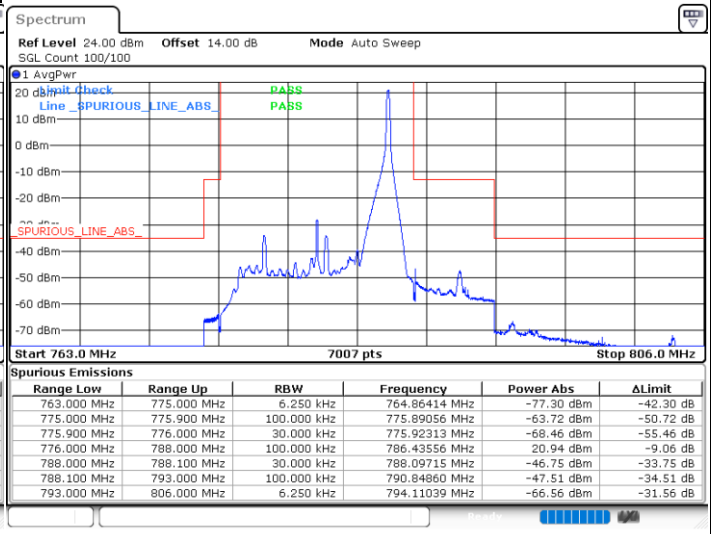


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.81918 MHz	-76.79 dBm	-41.79 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84830 MHz	-53.47 dBm	-40.47 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98536 MHz	-56.45 dBm	-43.45 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	21.14 dBm	-8.86 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09965 MHz	-58.28 dBm	-45.28 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.91364 MHz	-51.27 dBm	-38.27 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.21429 MHz	-63.75 dBm	-28.75 dB

Date: 10.MAR.2023 03:06:48

Highest Band Edge / 1 RB

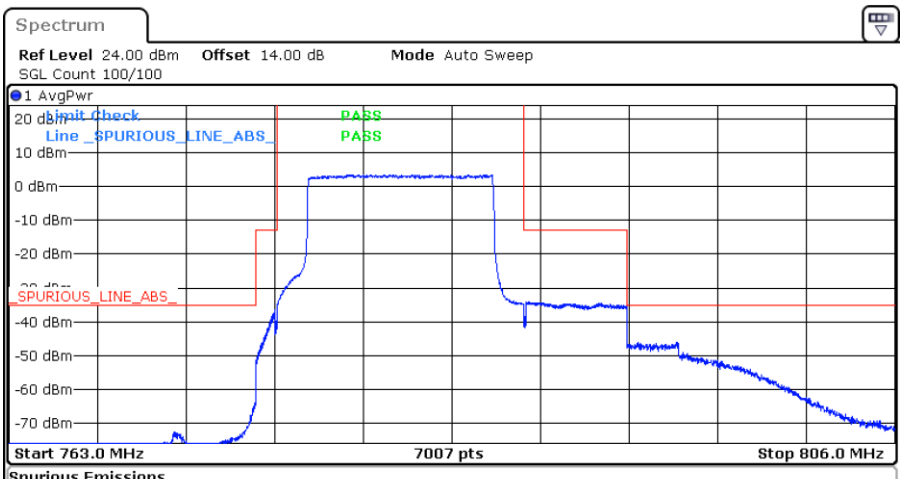


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.86414 MHz	-77.30 dBm	-42.30 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89056 MHz	-63.72 dBm	-50.72 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92313 MHz	-68.46 dBm	-55.46 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.43556 MHz	20.94 dBm	-9.06 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09715 MHz	-46.75 dBm	-33.75 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.84860 MHz	-47.51 dBm	-34.51 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.11039 MHz	-66.56 dBm	-31.56 dB

Date: 10.MAR.2023 03:08:41

Band Edge / Full RB



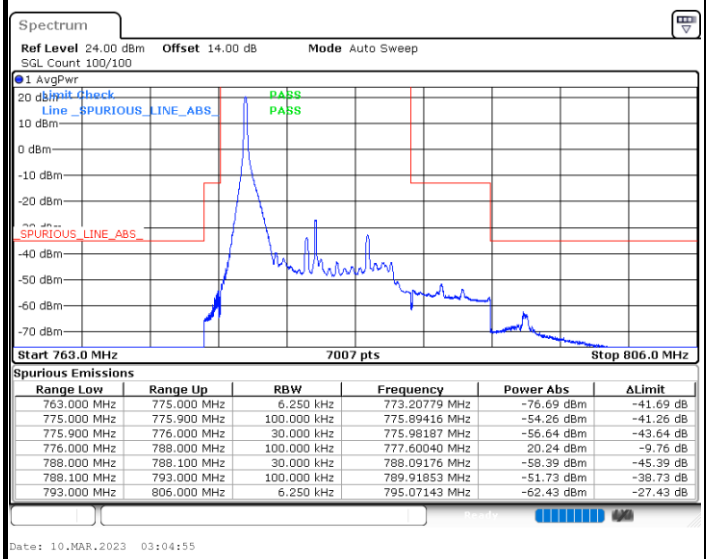
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-63.56 dBm	-28.56 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88966 MHz	-36.59 dBm	-23.59 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99056 MHz	-39.72 dBm	-26.72 dB
776.000 MHz	788.000 MHz	100.000 kHz	782.05994 MHz	3.44 dBm	-26.56 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09525 MHz	-38.39 dBm	-25.39 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.23462 MHz	-34.10 dBm	-21.10 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.40909 MHz	-46.12 dBm	-11.12 dB

Date: 10.MAR.2023 03:01:10

LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

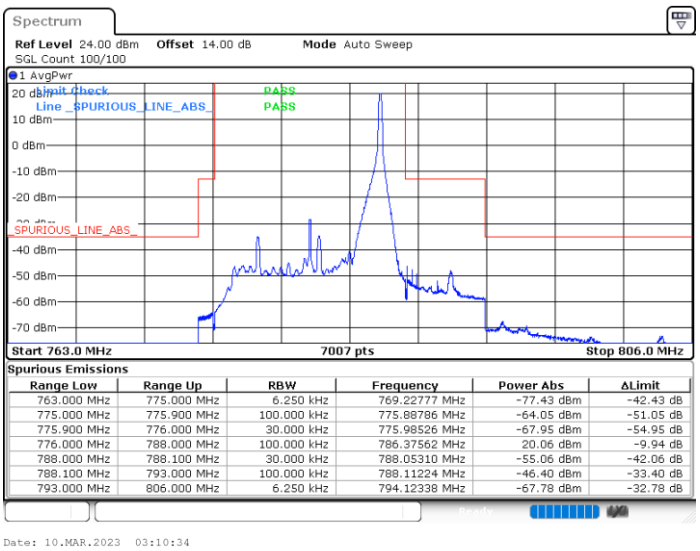


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.20779 MHz	-76.69 dBm	-41.69 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89416 MHz	-54.26 dBm	-41.26 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98187 MHz	-56.64 dBm	-43.64 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	20.24 dBm	-9.76 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09176 MHz	-58.39 dBm	-45.39 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.91853 MHz	-51.73 dBm	-38.73 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.07143 MHz	-62.43 dBm	-27.43 dB

Date: 10.MAR.2023 03:04:55

Highest Band Edge / 1 RB

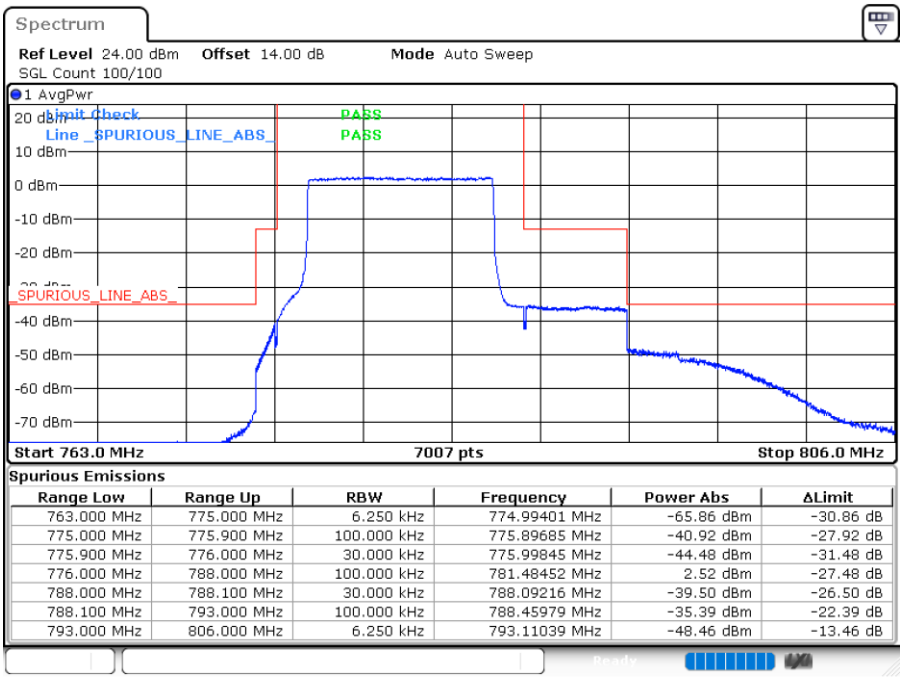


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.22777 MHz	-77.43 dBm	-42.43 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88786 MHz	-64.05 dBm	-51.05 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98526 MHz	-67.95 dBm	-54.95 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.37562 MHz	20.06 dBm	-9.94 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05310 MHz	-55.06 dBm	-42.06 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-46.40 dBm	-33.40 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.12338 MHz	-67.78 dBm	-32.78 dB

Date: 10.MAR.2023 03:10:34

Band Edge / Full RB



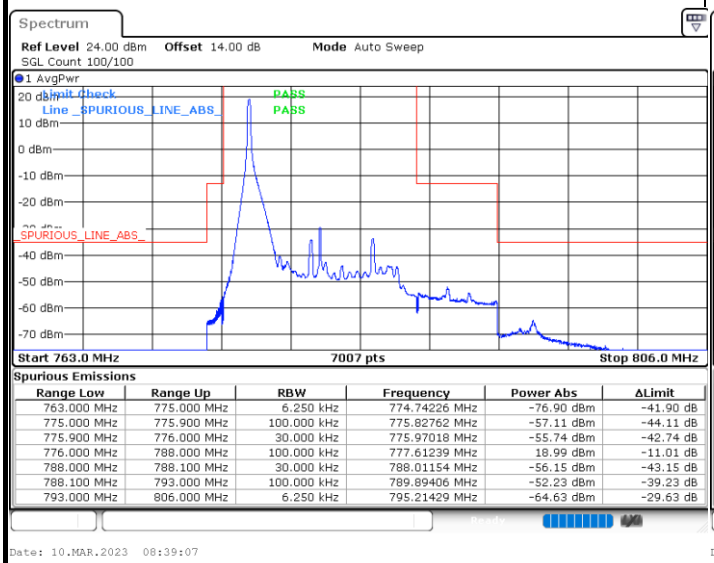
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-65.86 dBm	-30.86 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89685 MHz	-40.92 dBm	-27.92 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99845 MHz	-44.48 dBm	-31.48 dB
776.000 MHz	788.000 MHz	100.000 kHz	781.48452 MHz	2.52 dBm	-27.48 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09216 MHz	-39.50 dBm	-26.50 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.45979 MHz	-35.39 dBm	-22.39 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.11039 MHz	-48.46 dBm	-13.46 dB

Date: 10.MAR.2023 03:03:03

LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

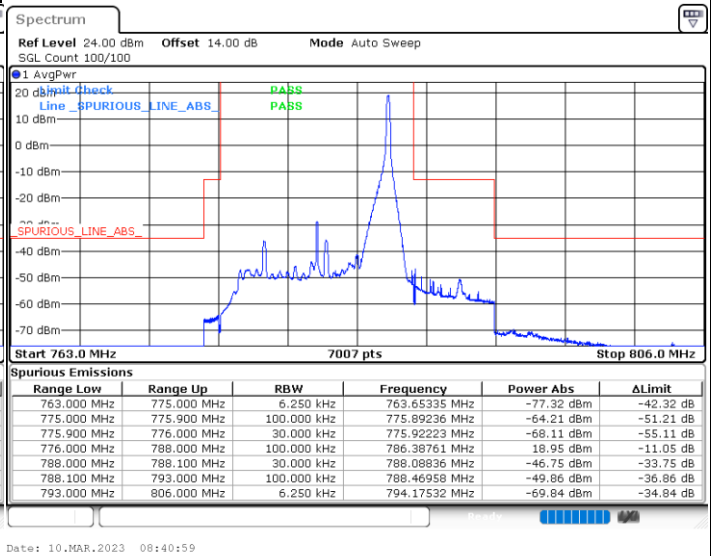


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.74226 MHz	-76.90 dBm	-41.90 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.82762 MHz	-57.11 dBm	-44.11 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97018 MHz	-55.74 dBm	-42.74 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.61239 MHz	18.99 dBm	-11.01 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01154 MHz	-56.15 dBm	-43.15 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.89406 MHz	-52.23 dBm	-39.23 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.21429 MHz	-64.63 dBm	-29.63 dB

Date: 10.MAR.2023 08:39:07

Highest Band Edge / 1 RB

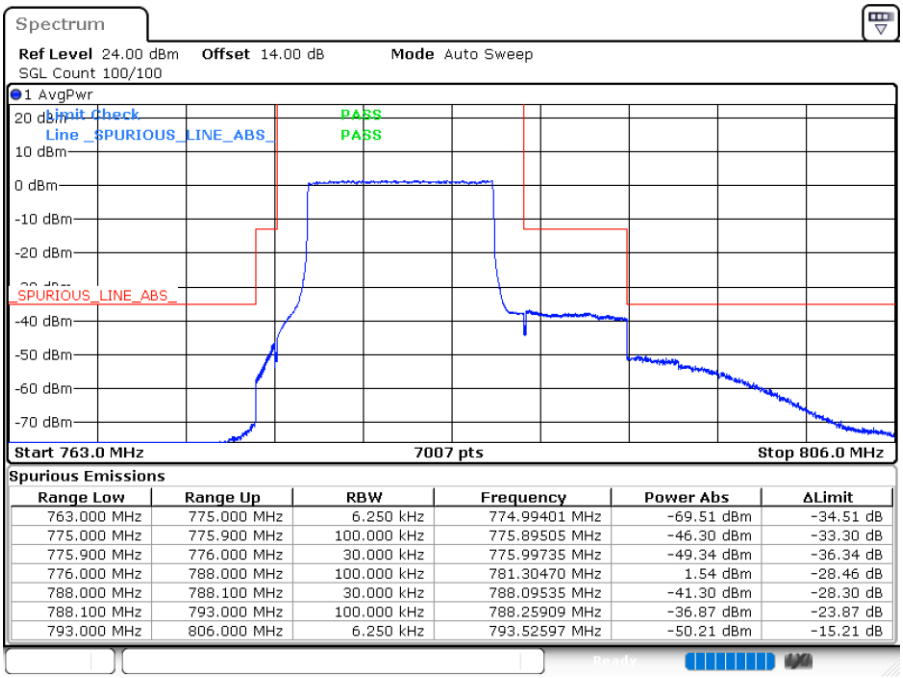


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.65335 MHz	-77.32 dBm	-42.32 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89236 MHz	-64.21 dBm	-51.21 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92223 MHz	-68.11 dBm	-55.11 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	18.95 dBm	-11.05 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08836 MHz	-46.75 dBm	-33.75 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.46958 MHz	-49.86 dBm	-36.86 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.17532 MHz	-69.84 dBm	-34.84 dB

Date: 10.MAR.2023 08:40:59

Band Edge / Full RB



Spurious Emissions

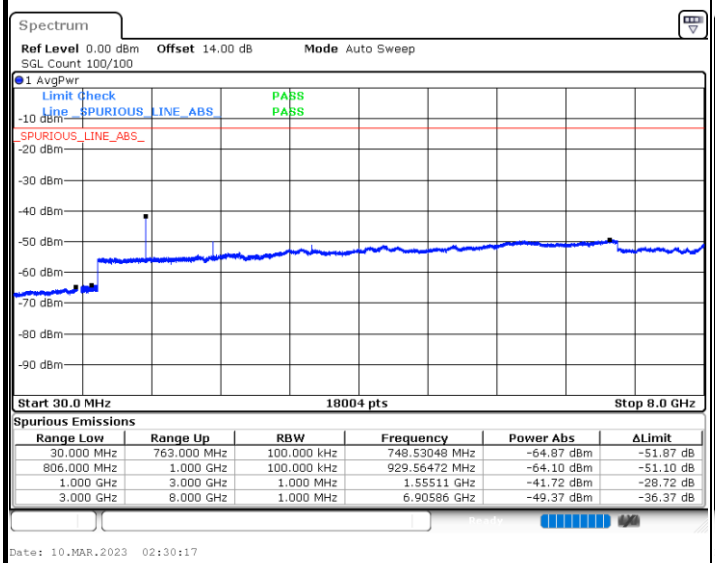
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-69.51 dBm	-34.51 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89505 MHz	-46.30 dBm	-33.30 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99735 MHz	-49.34 dBm	-36.34 dB
776.000 MHz	788.000 MHz	100.000 kHz	781.30470 MHz	1.54 dBm	-28.46 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09535 MHz	-41.30 dBm	-28.30 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.25909 MHz	-36.87 dBm	-23.87 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.52597 MHz	-50.21 dBm	-15.21 dB

Date: 10.MAR.2023 08:37:14

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

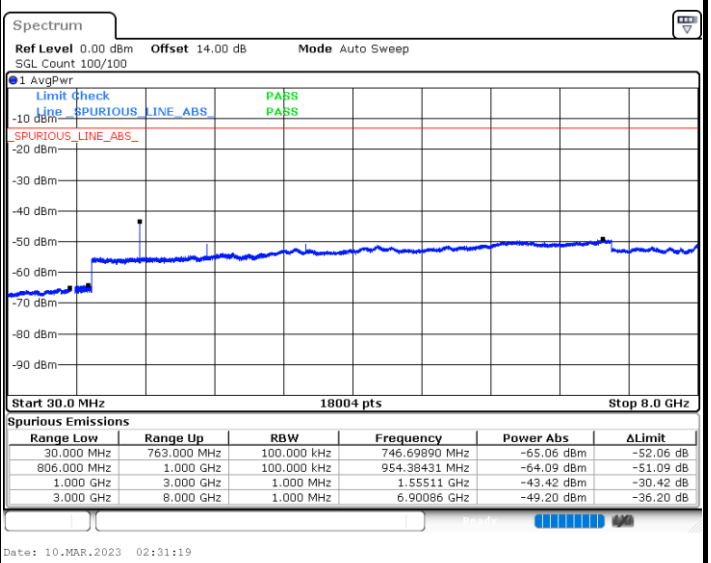


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	748.53048 MHz	-64.87 dBm	-51.87 dB
806.000 MHz	1.000 GHz	100.000 kHz	929.56472 MHz	-64.10 dBm	-51.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-41.72 dBm	-28.72 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.90586 GHz	-49.37 dBm	-36.37 dB

Date: 10.MAR.2023 02:30:17

Lowest Channel / 16QAM

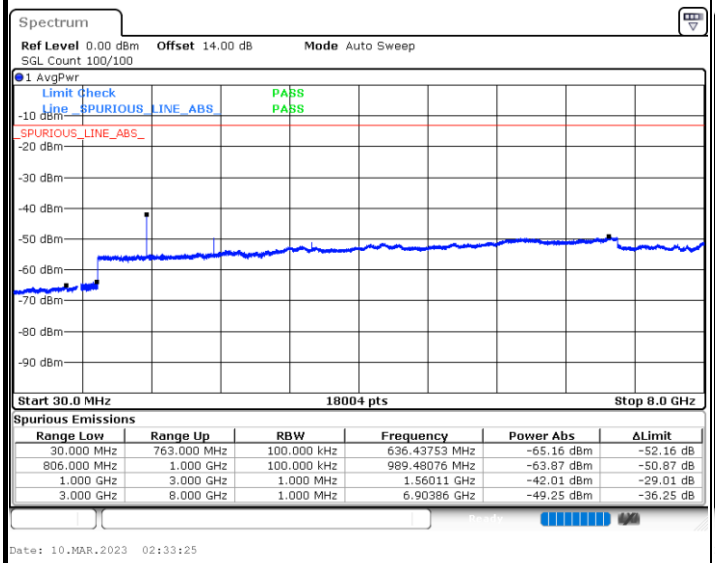


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	746.69890 MHz	-65.06 dBm	-52.06 dB
806.000 MHz	1.000 GHz	100.000 kHz	954.38431 MHz	-64.09 dBm	-51.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-43.42 dBm	-30.42 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.90086 GHz	-49.20 dBm	-36.20 dB

Date: 10.MAR.2023 02:31:19

Middle Channel / QPSK

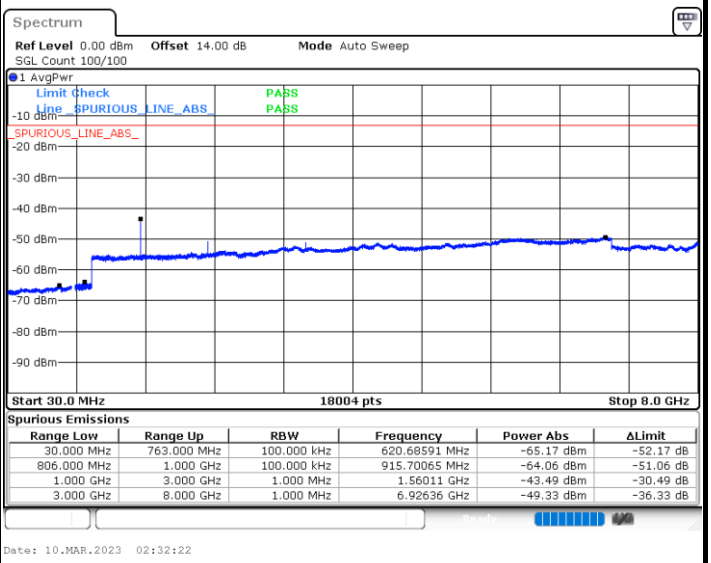


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	636.43753 MHz	-65.16 dBm	-52.16 dB
806.000 MHz	1.000 GHz	100.000 kHz	989.48076 MHz	-63.87 dBm	-50.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-42.01 dBm	-29.01 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.90386 GHz	-49.25 dBm	-36.25 dB

Date: 10.MAR.2023 02:33:25

Middle Channel / 16QAM



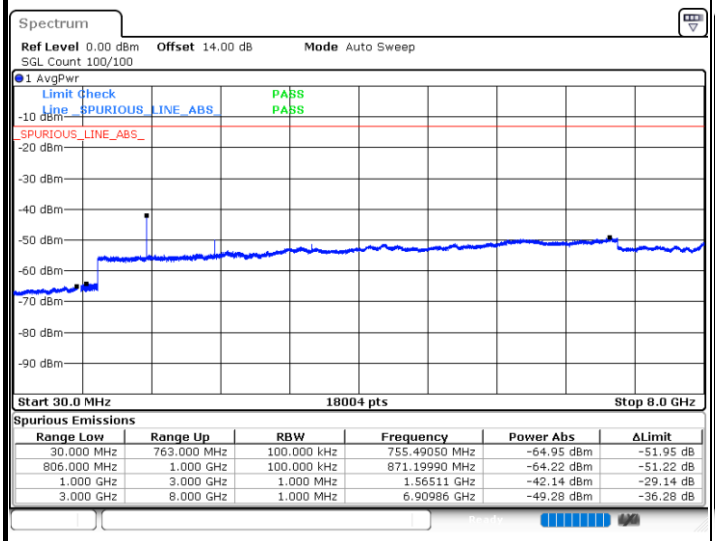
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	620.68591 MHz	-65.17 dBm	-52.17 dB
806.000 MHz	1.000 GHz	100.000 kHz	915.70065 MHz	-64.06 dBm	-51.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-43.49 dBm	-30.49 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.92636 GHz	-49.33 dBm	-36.33 dB

Date: 10.MAR.2023 02:32:22

LTE Band 13 / 5MHz

Highest Channel / QPSK

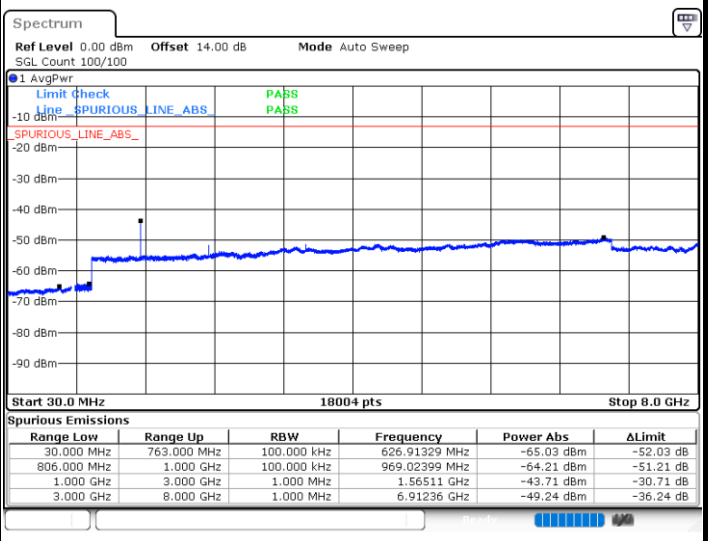


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	755.49050 MHz	-64.95 dBm	-51.95 dB
806.000 MHz	1.000 GHz	100.000 kHz	871.19990 MHz	-64.22 dBm	-51.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-42.14 dBm	-29.14 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.90986 GHz	-49.28 dBm	-36.28 dB

Date: 10.MAR.2023 02:44:45

Highest Channel / 16QAM



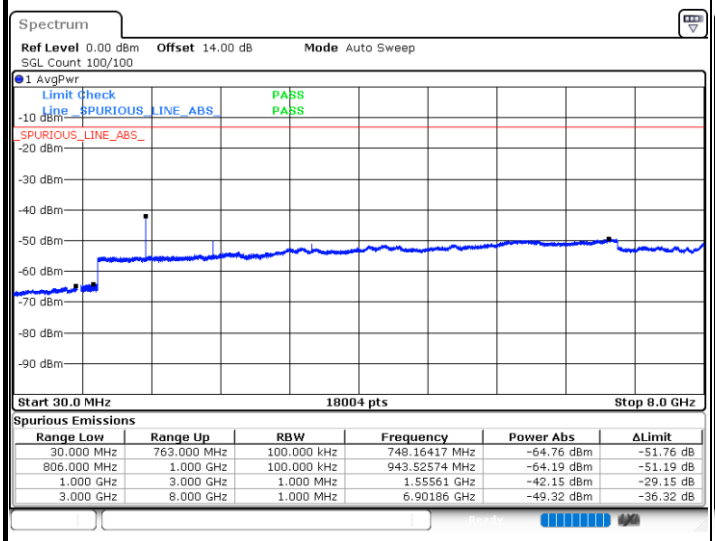
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	626.91329 MHz	-65.03 dBm	-52.03 dB
806.000 MHz	1.000 GHz	100.000 kHz	969.02399 MHz	-64.21 dBm	-51.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-43.71 dBm	-30.71 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.91236 GHz	-49.24 dBm	-36.24 dB

Date: 10.MAR.2023 02:45:48

LTE Band 13 / 10MHz

Middle Channel / QPSK

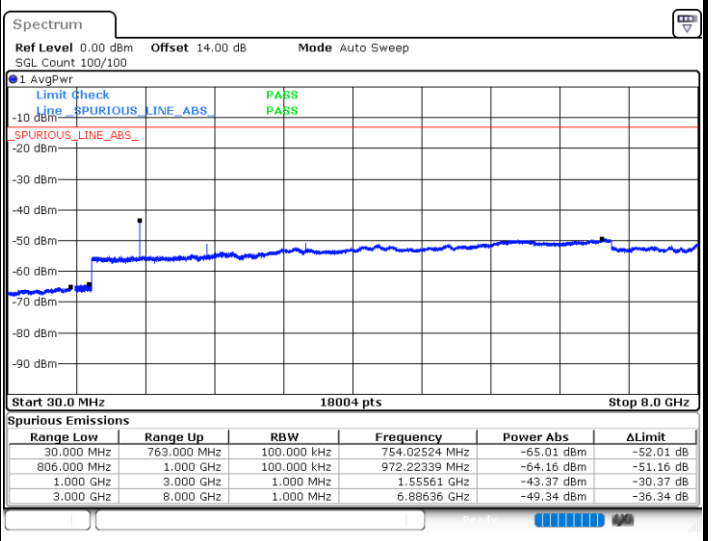


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	748.16417 MHz	-64.76 dBm	-51.76 dB
806.000 MHz	1.000 GHz	100.000 kHz	943.52574 MHz	-64.19 dBm	-51.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-42.15 dBm	-29.15 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.90186 GHz	-49.32 dBm	-36.32 dB

Date: 10.MAR.2023 03:12:39

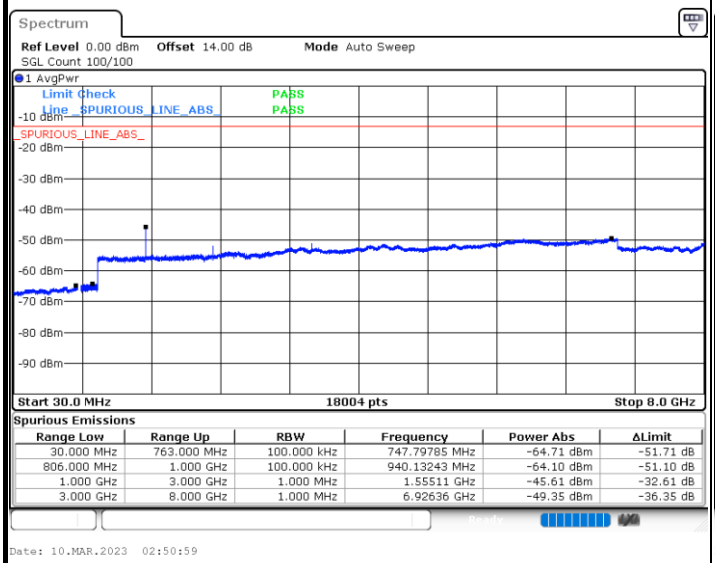
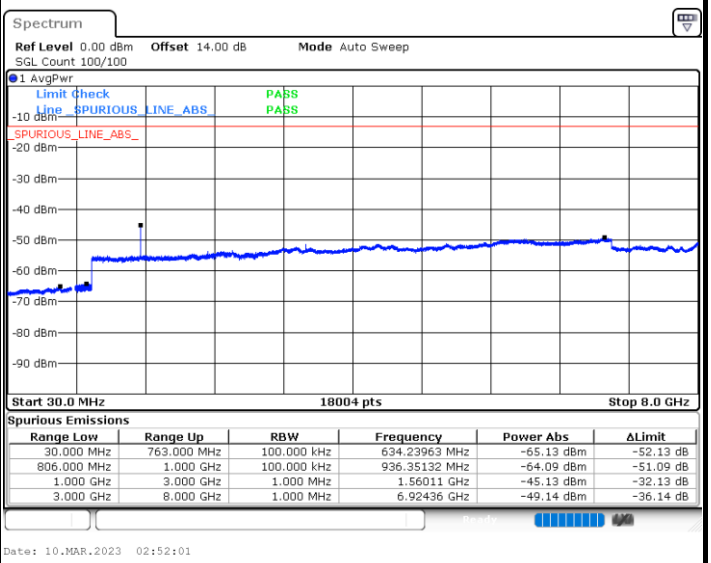
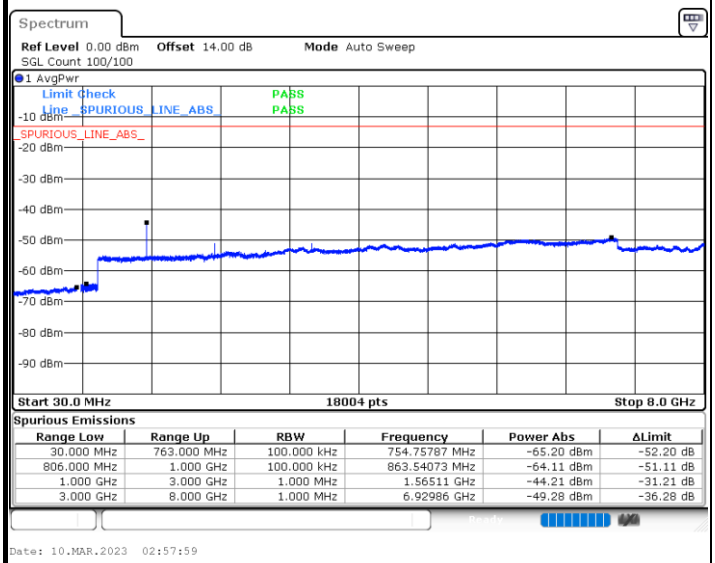
Middle Channel / 16QAM

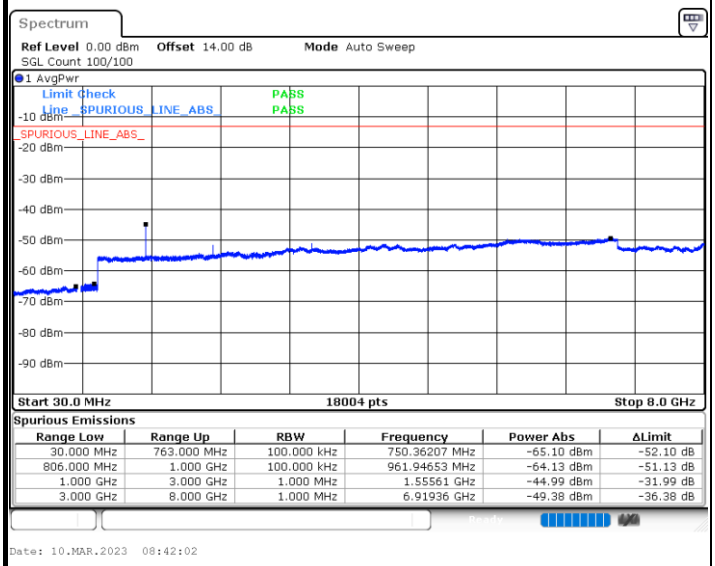


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	754.02524 MHz	-65.01 dBm	-52.01 dB
806.000 MHz	1.000 GHz	100.000 kHz	972.22339 MHz	-64.16 dBm	-51.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-43.37 dBm	-30.37 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.88636 GHz	-49.34 dBm	-36.34 dB

Date: 10.MAR.2023 03:11:36

LTE Band 13 / 5MHz	
Lowest Channel / 64QAM	**Middle Channel / 64QAM**
 Spurious Emissions Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit 30.000 MHz | 763.000 MHz | 100.000 kHz | 747.79785 MHz | -64.71 dBm | -51.71 dB 806.000 MHz | 1.000 GHz | 100.000 kHz | 940.13243 MHz | -64.10 dBm | -51.10 dB 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.55511 GHz | -45.61 dBm | -32.61 dB 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.92636 GHz | -49.35 dBm | -36.35 dB Date: 10.MAR.2023 02:50:59	 Spurious Emissions Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit 30.000 MHz | 763.000 MHz | 100.000 kHz | 634.23963 MHz | -65.13 dBm | -52.13 dB 806.000 MHz | 1.000 GHz | 100.000 kHz | 936.35132 MHz | -64.09 dBm | -51.09 dB 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.56011 GHz | -45.13 dBm | -32.13 dB 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.92436 GHz | -49.14 dBm | -36.14 dB Date: 10.MAR.2023 02:52:01
Highest Channel / 64QAM	**NA**
 Spurious Emissions Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit 30.000 MHz | 763.000 MHz | 100.000 kHz | 754.75787 MHz | -65.20 dBm | -52.20 dB 806.000 MHz | 1.000 GHz | 100.000 kHz | 863.54073 MHz | -64.11 dBm | -51.11 dB 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.56511 GHz | -44.21 dBm | -31.21 dB 3.000 GHz | 8.000 GHz | 1.000 MHz | 6.92986 GHz | -49.28 dBm | -36.28 dB Date: 10.MAR.2023 02:57:59	**NA**

LTE Band 13 / 10MHz	
Middle Channel / 64QAM	**NA**
	**NA**

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0037	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0052	
-20	Normal Voltage	0.0087	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0040	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0006	

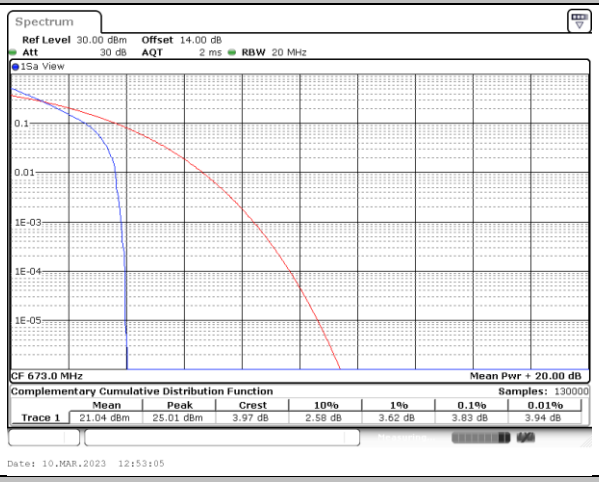
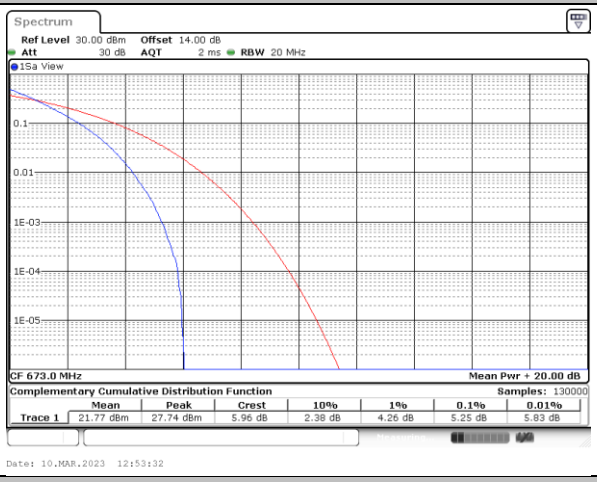
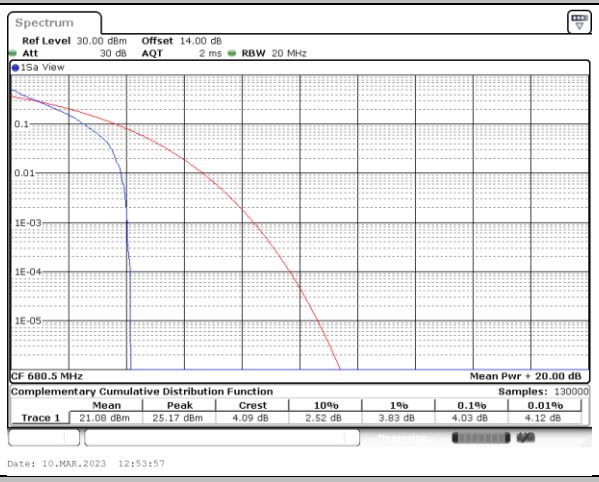
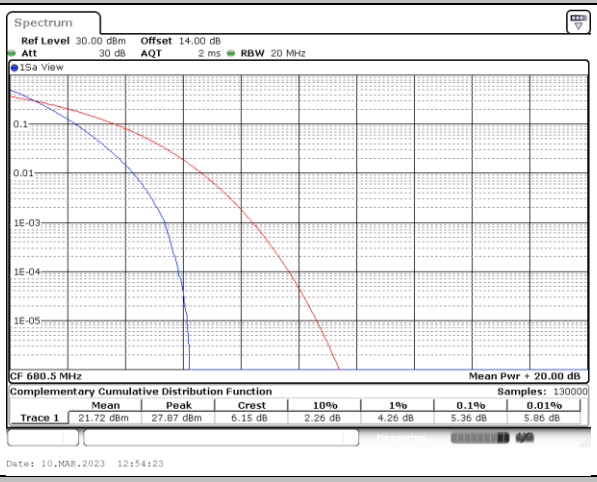
Note:

1. Normal Voltage =3.91V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 71

Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.83	5.25	4.70	6.09	PASS
Middle CH	4.03	5.36	5.16	6.17	
Highest CH	4.43	5.22	5.59	6.12	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.45	6.35	-	-	PASS
Middle CH	5.54	6.46	-	-	
Highest CH	6.38	6.38	-	-	

LTE Band 71 / 20MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**