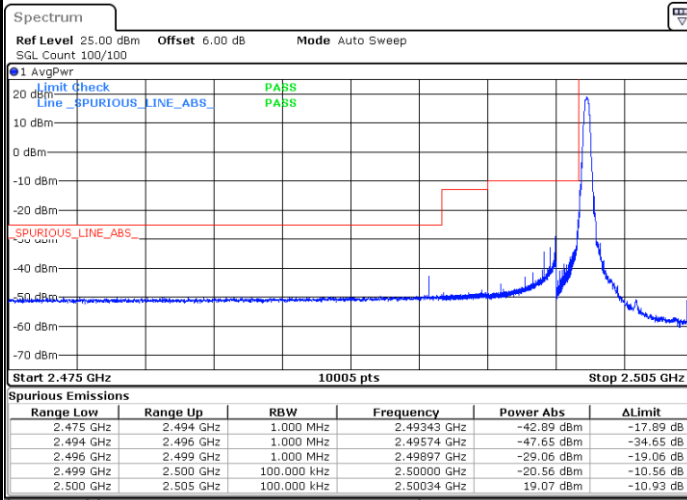




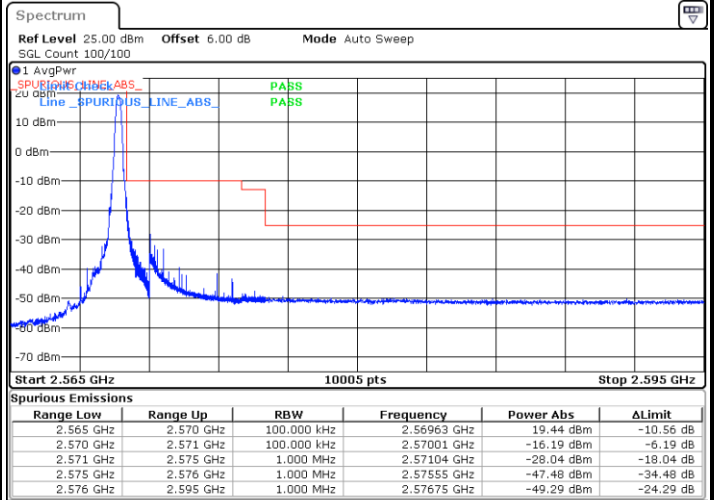
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



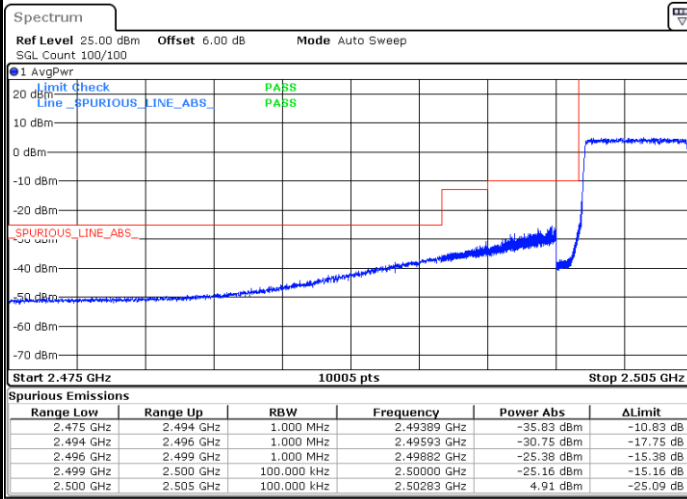
Date: 9.AUG.2023 00:14:54

Highest Band Edge / 1 RB



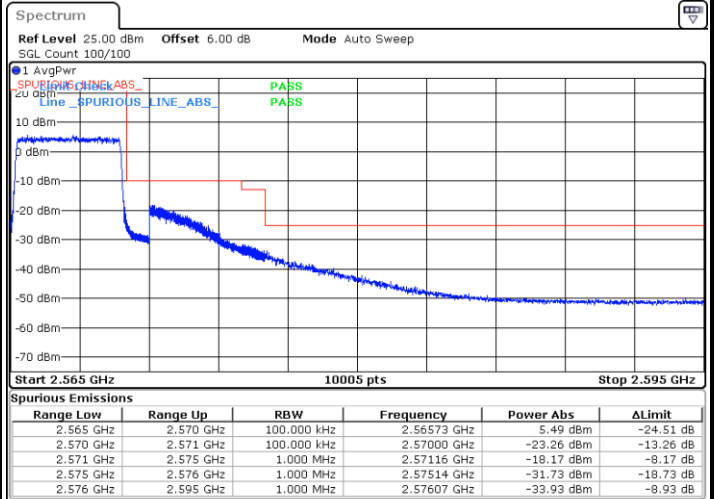
Date: 9.AUG.2023 00:28:40

Lowest Band Edge / Full RB



Date: 9.AUG.2023 00:08:11

Highest Band Edge / Full RB

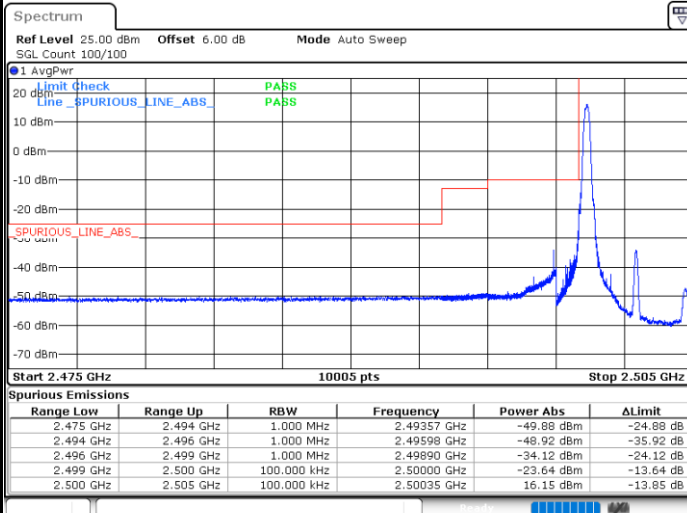


Date: 9.AUG.2023 00:35:21



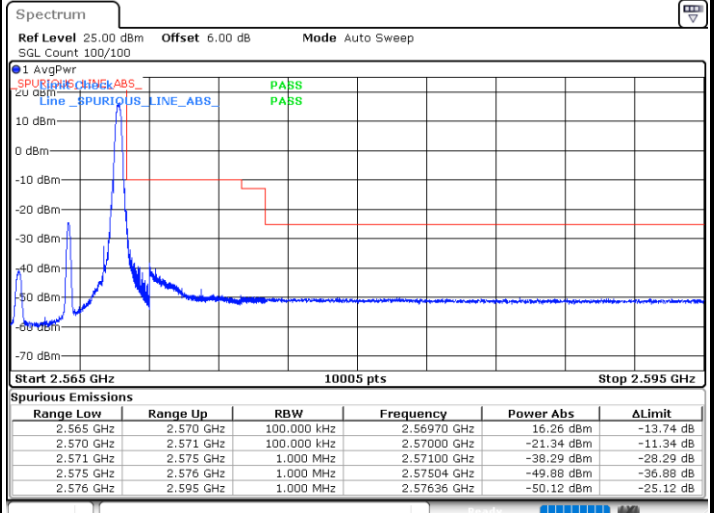
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB



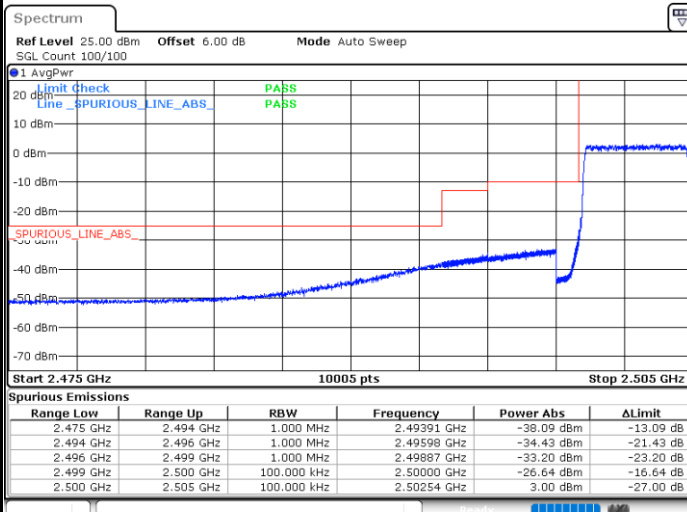
Date: 9.AUG.2023 00:16:35

Highest Band Edge / 1 RB



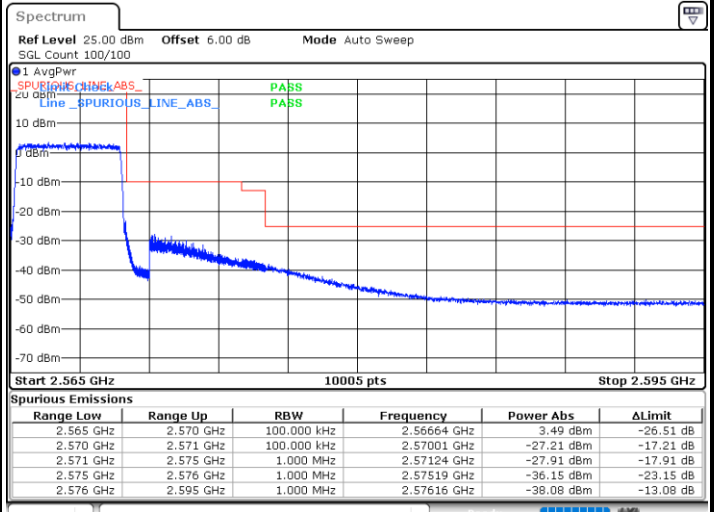
Date: 9.AUG.2023 00:30:20

Lowest Band Edge / Full RB



Date: 9.AUG.2023 00:09:51

Highest Band Edge / Full RB



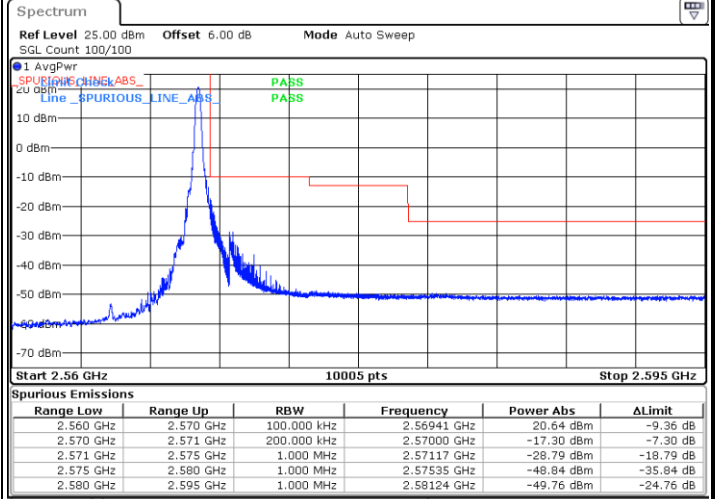
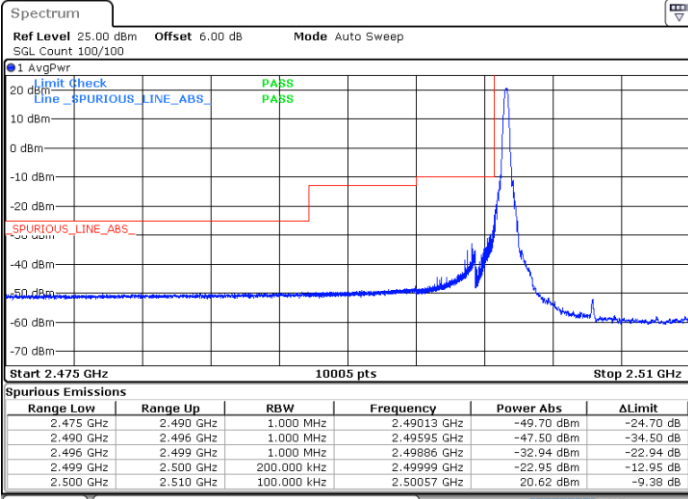
Date: 9.AUG.2023 00:37:01



LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

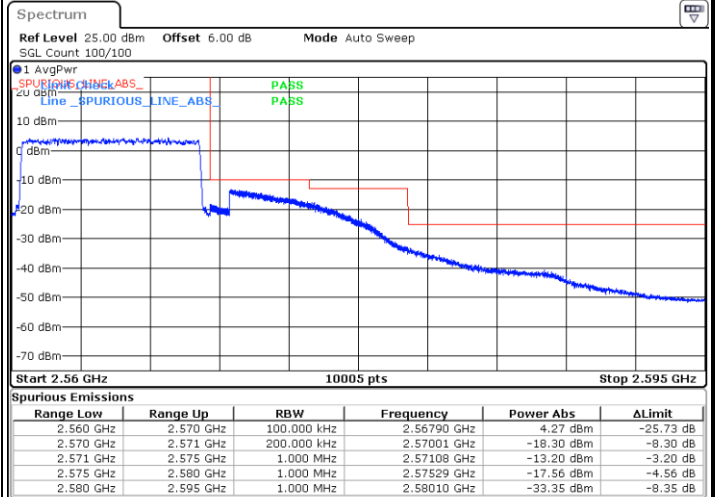
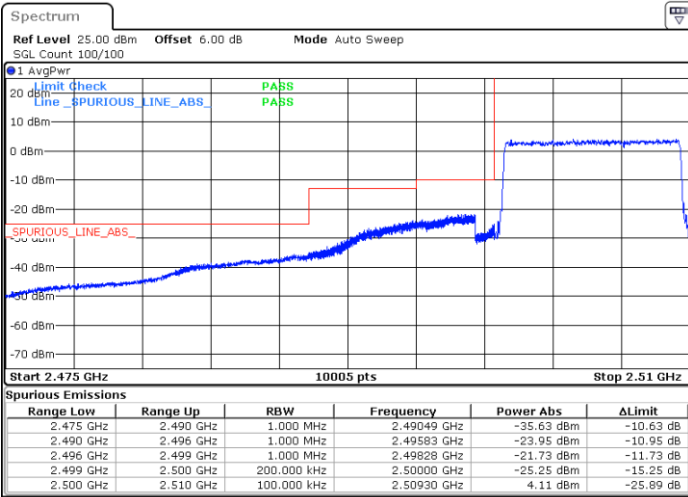


Date: 9.AUG.2023 00:56:55

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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



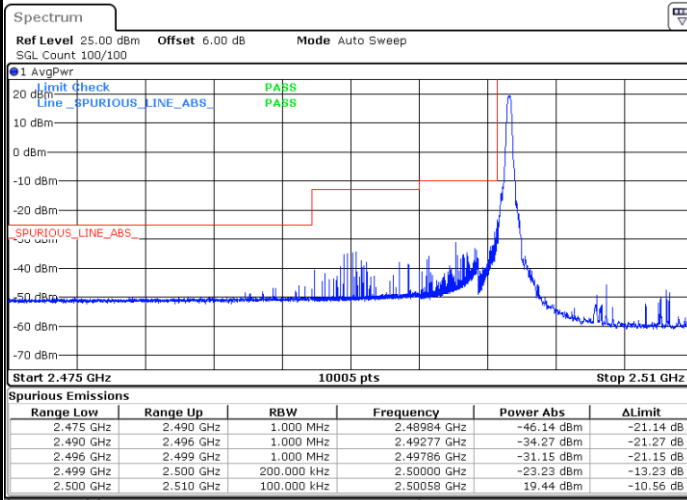
Date: 9.AUG.2023 00:40:25

Date: 9.AUG.2023 01:17:20



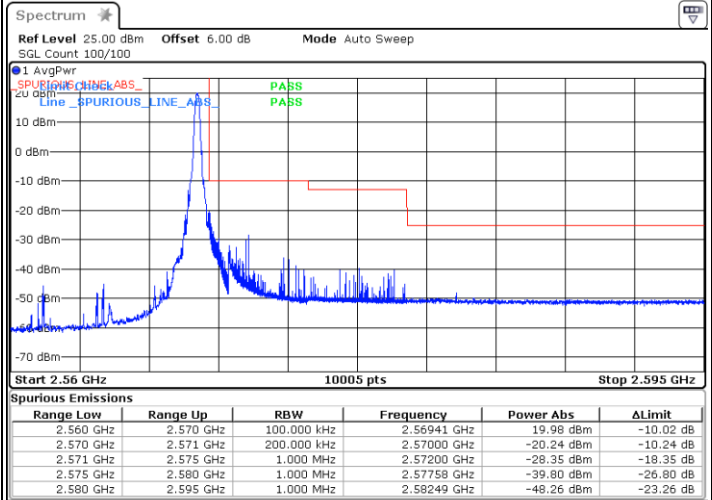
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



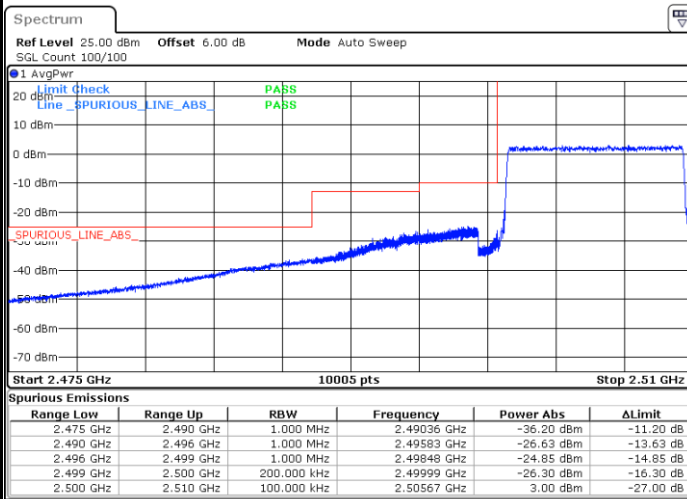
Date: 9.AUG.2023 00:51:55

Highest Band Edge / 1 RB



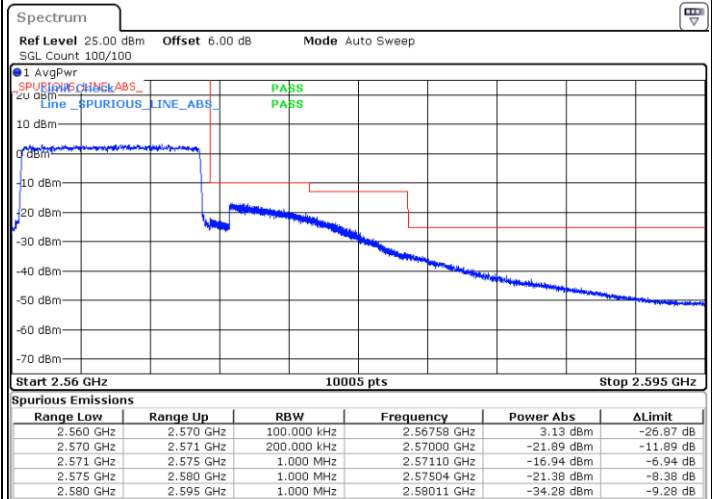
Date: 9.AUG.2023 01:05:39

Lowest Band Edge / Full RB



Date: 9.AUG.2023 00:45:13

Highest Band Edge / Full RB

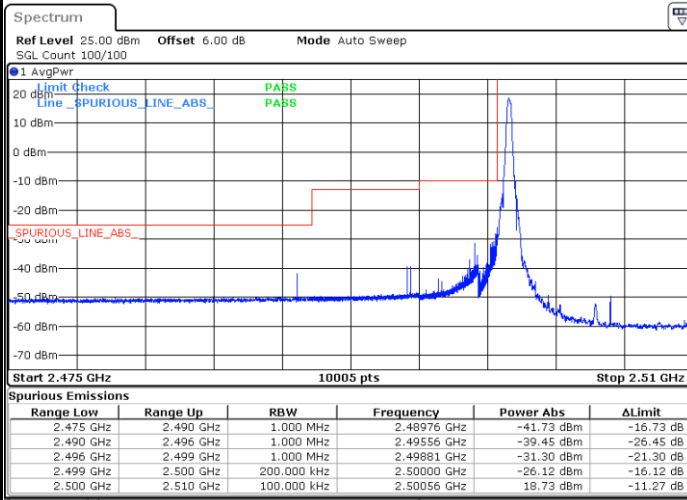


Date: 9.AUG.2023 01:12:20

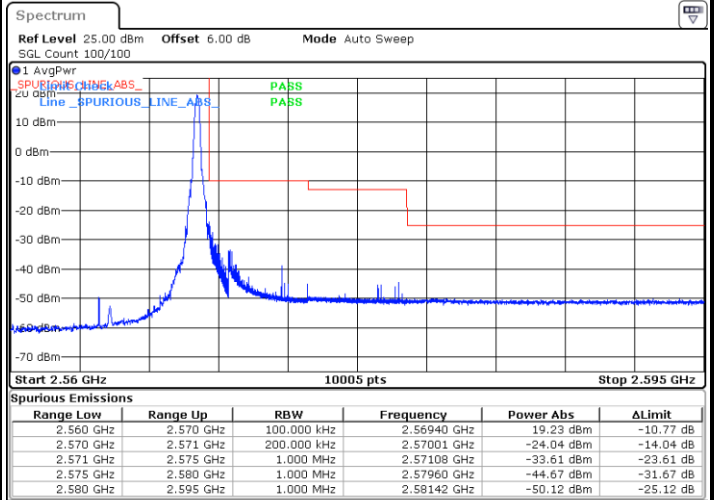


LTE Band 7 / 10MHz / 64QAM

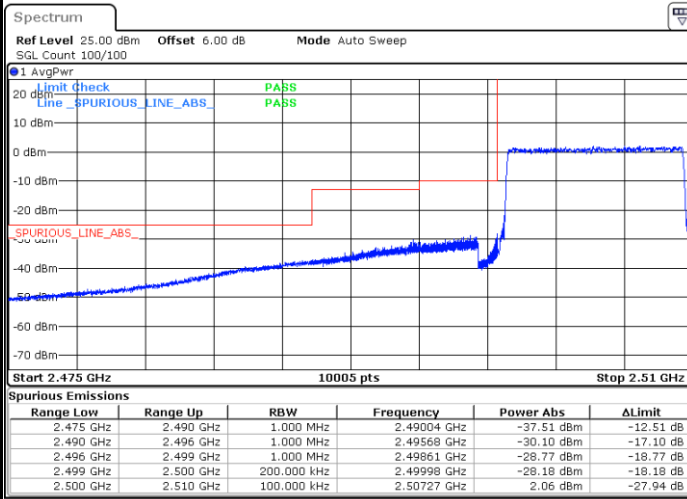
Lowest Band Edge / 1 RB



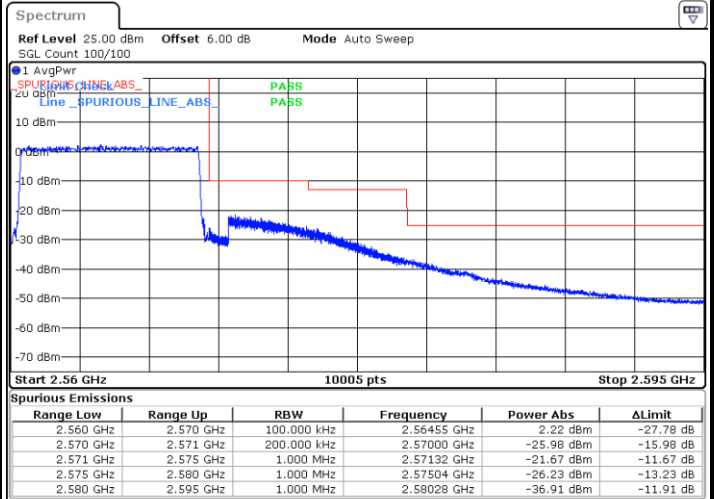
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

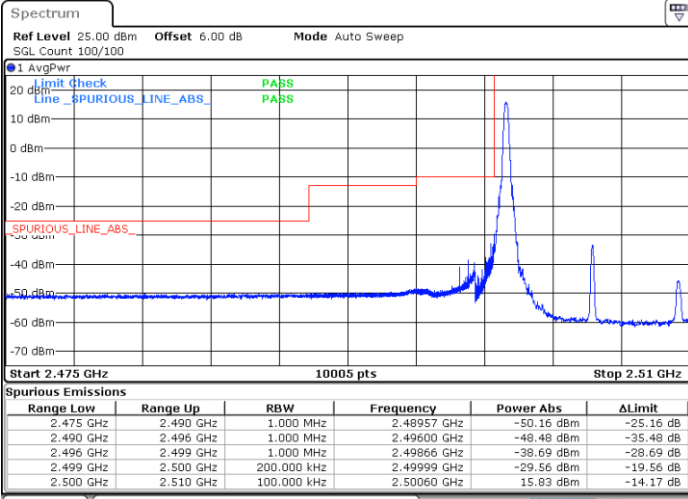




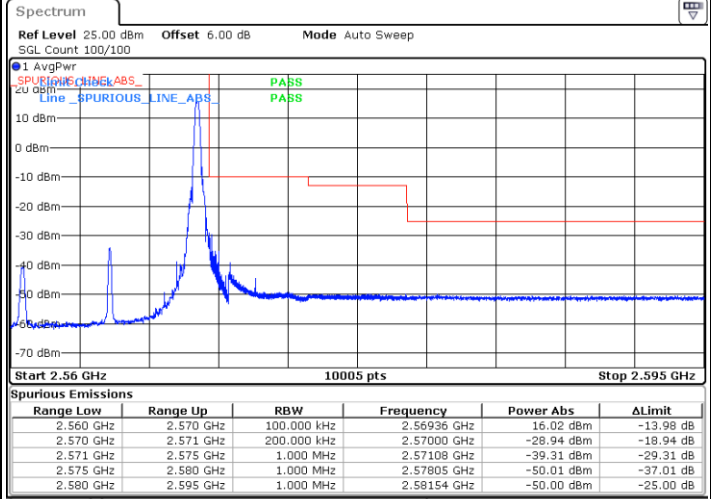
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



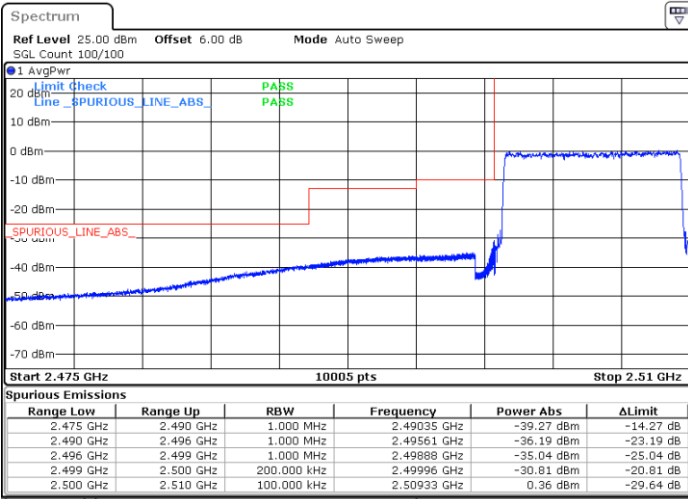
Date: 9.AUG.2023 00:55:15



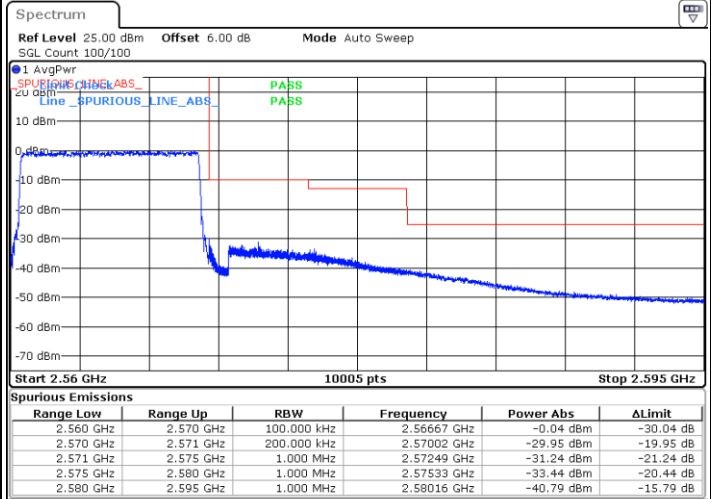
Date: 9.AUG.2023 01:08:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.AUG.2023 00:48:34



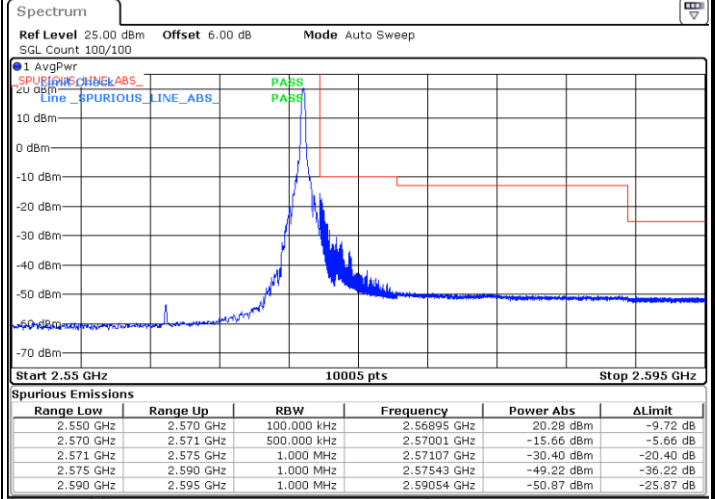
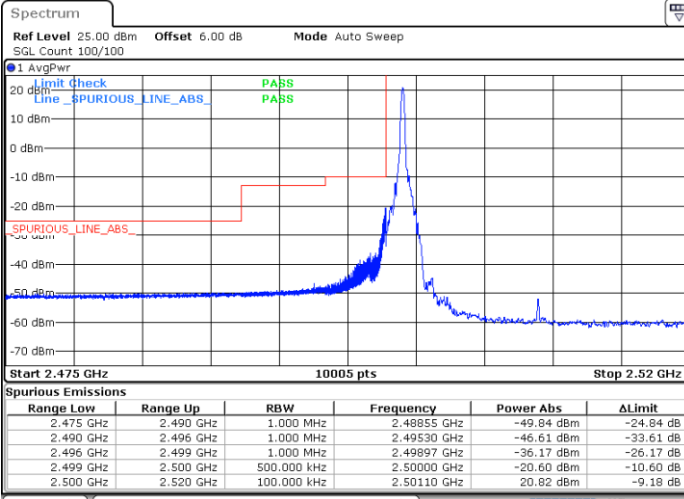
Date: 9.AUG.2023 01:15:40



LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

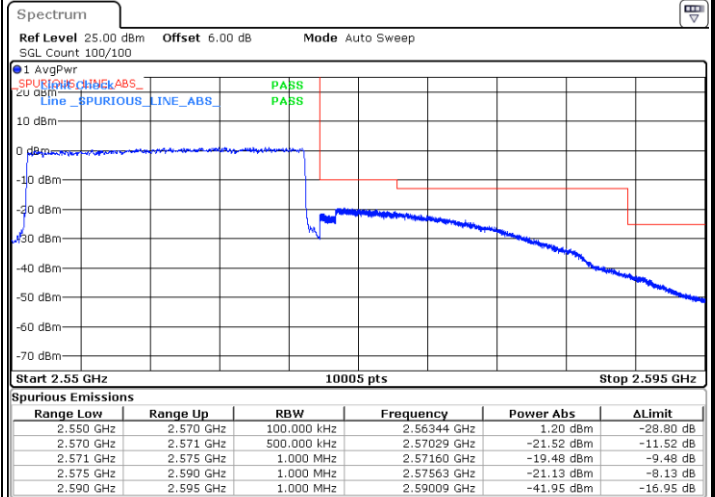
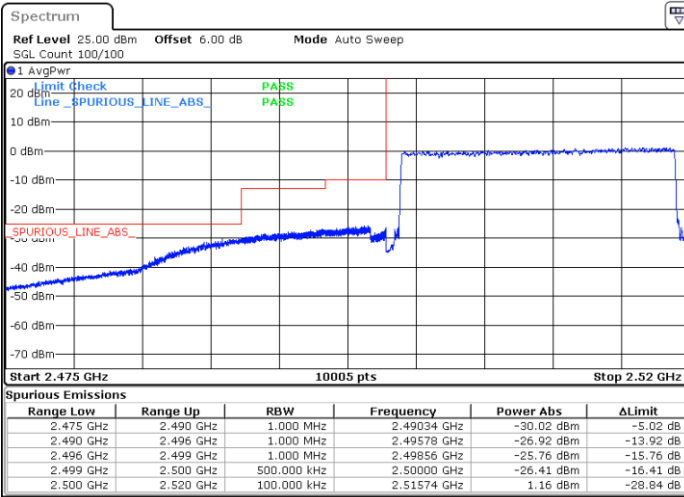


Date: 9.AUG.2023 01:28:59

Date: 9.AUG.2023 01:39:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



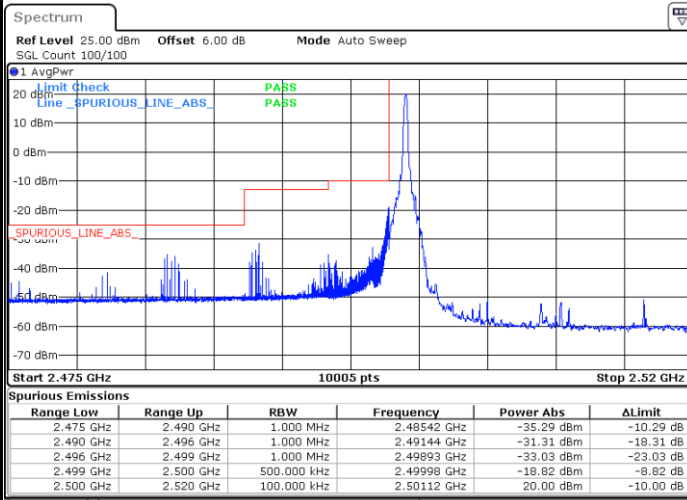
Date: 9.AUG.2023 01:20:25

Date: 9.AUG.2023 01:53:08

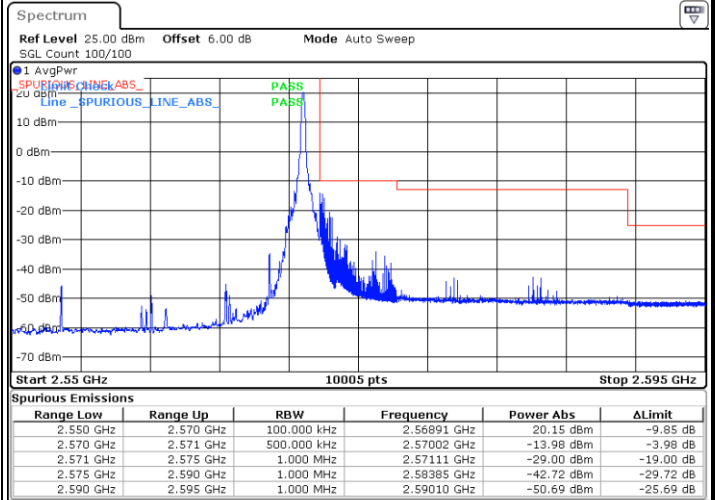


LTE Band 7 / 20MHz / 16QAM

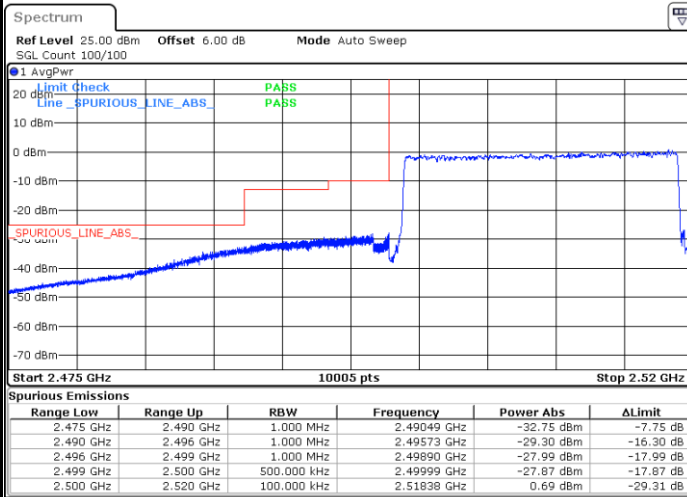
Lowest Band Edge / 1 RB



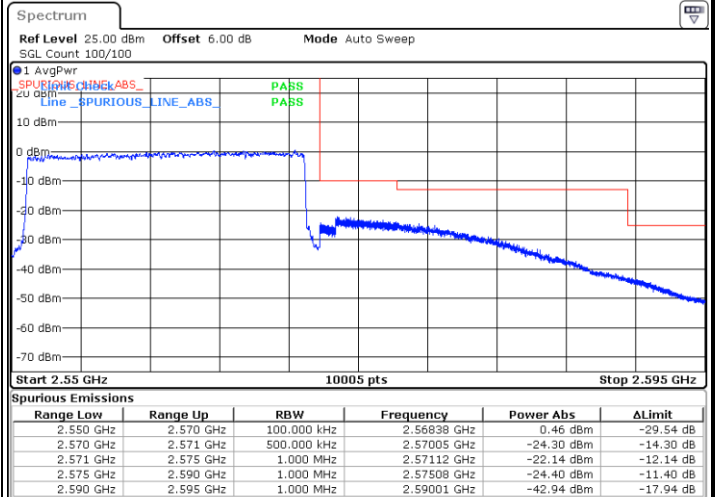
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



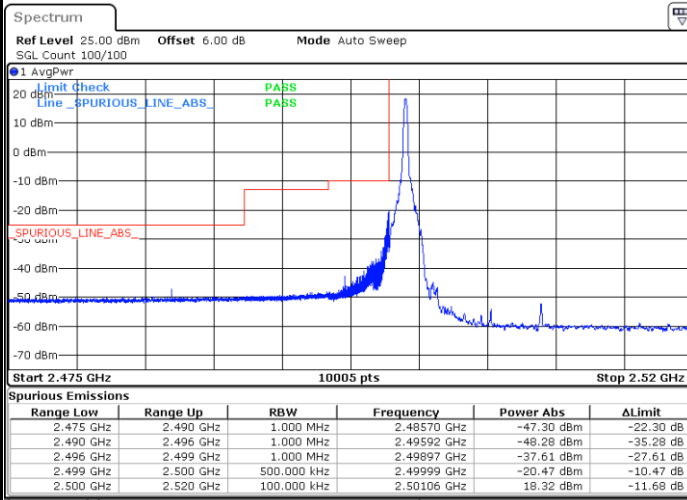
Highest Band Edge / Full RB



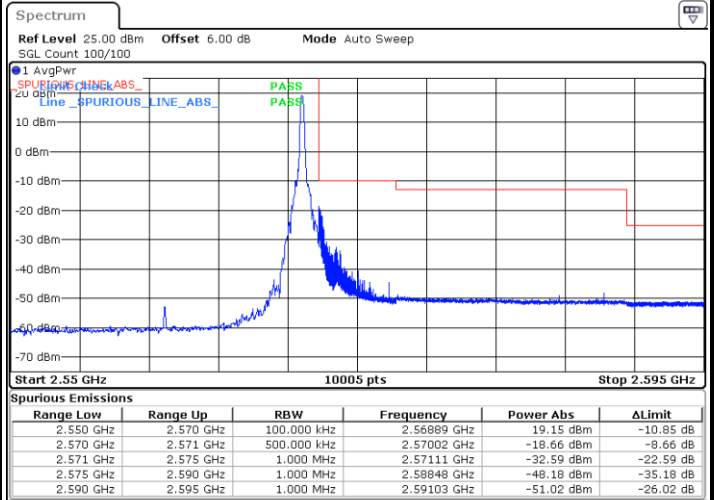


LTE Band 7 / 20MHz / 64QAM

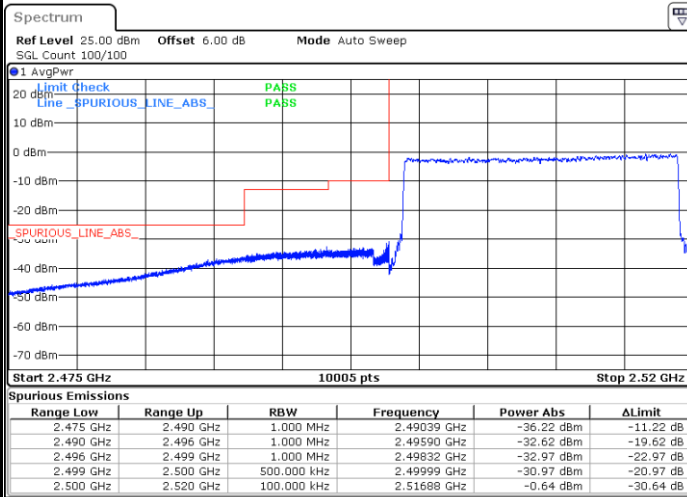
Lowest Band Edge / 1 RB



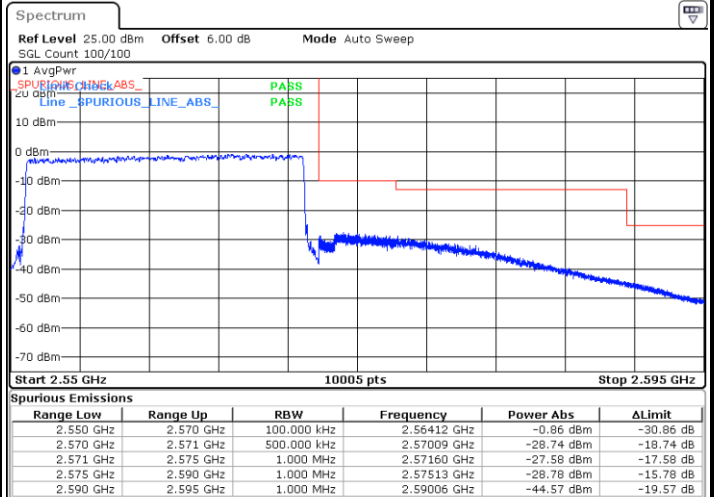
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

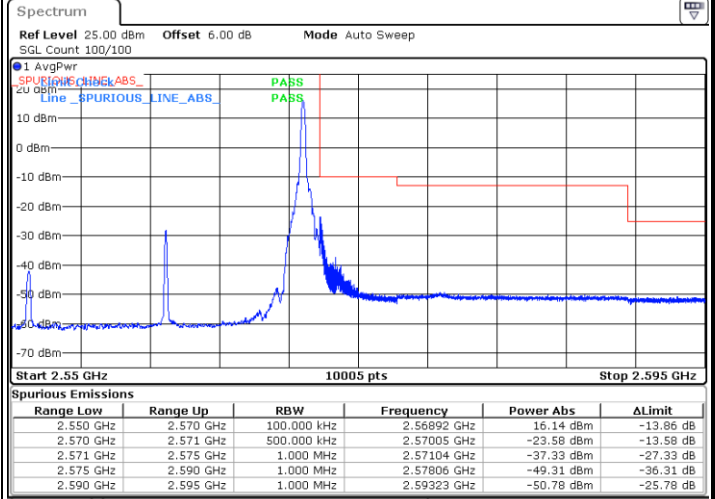
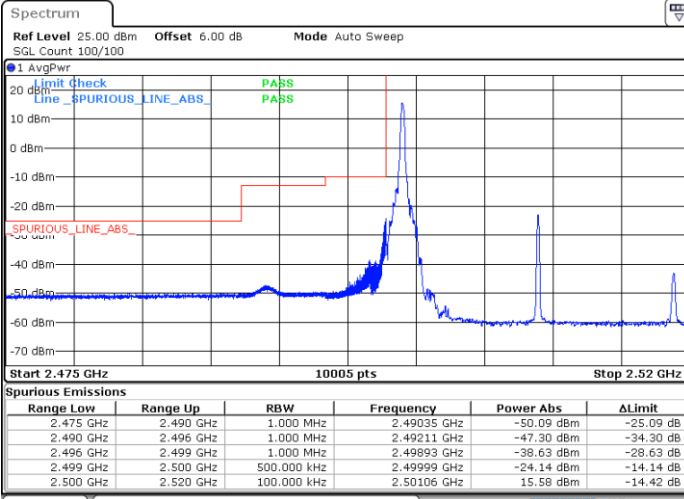




LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

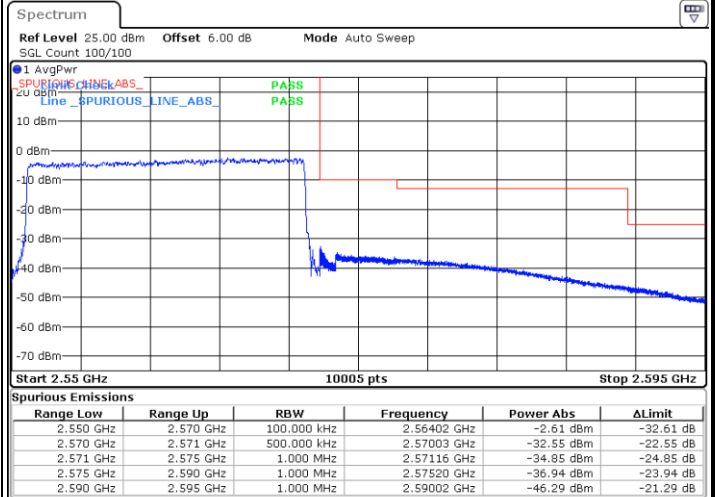
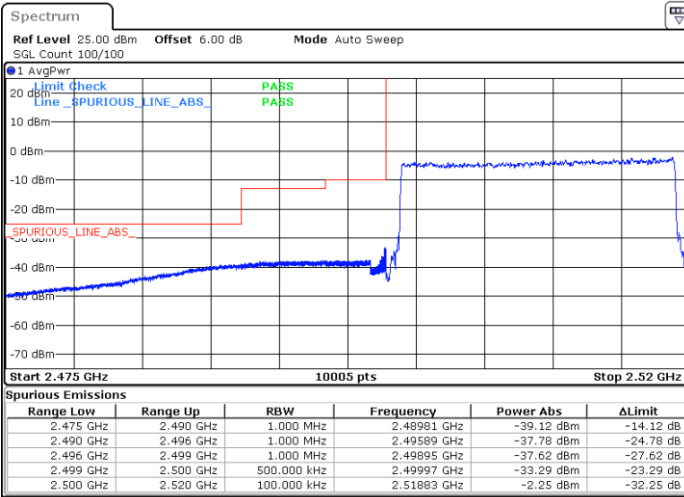


Date: 9.AUG.2023 01:34:00

Date: 9.AUG.2023 01:44:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

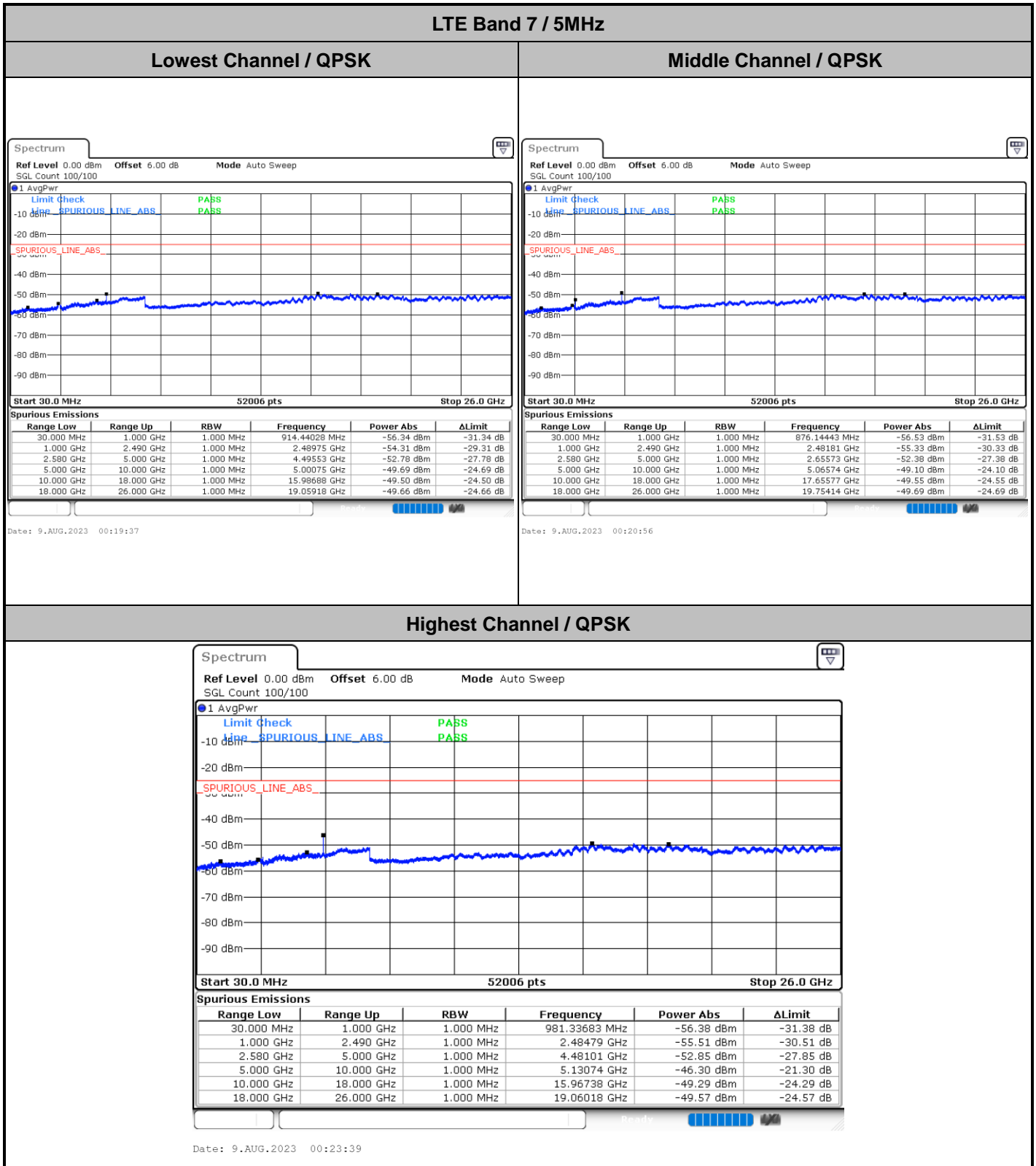


Date: 9.AUG.2023 01:25:26

Date: 9.AUG.2023 01:51:24



Conducted Spurious Emission

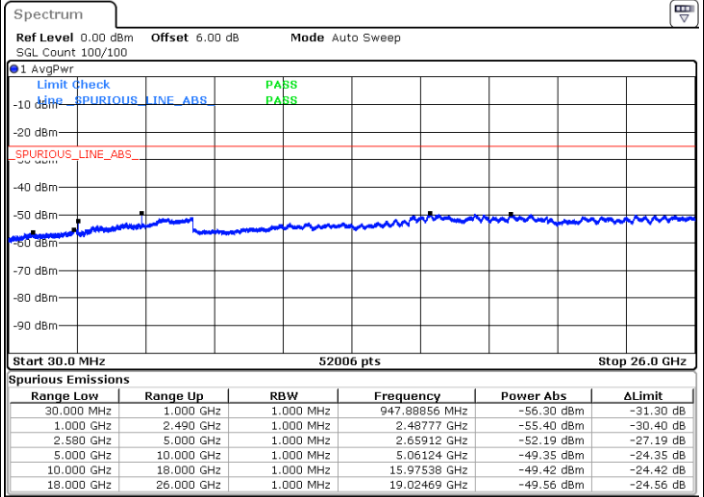
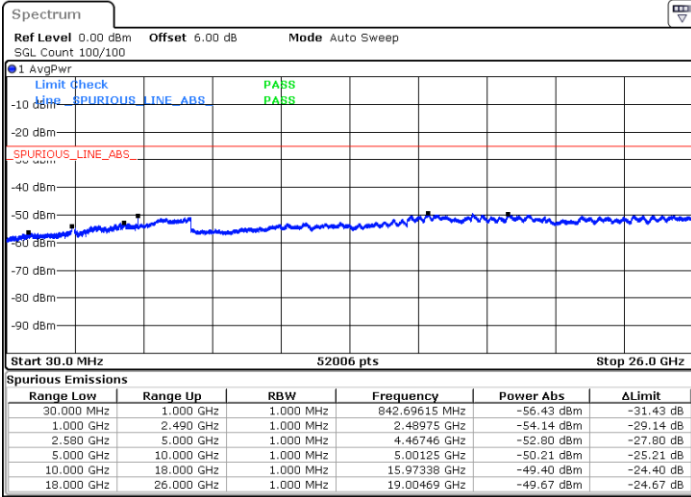




LTE Band 7 / 10MHz

Lowest Channel / QPSK

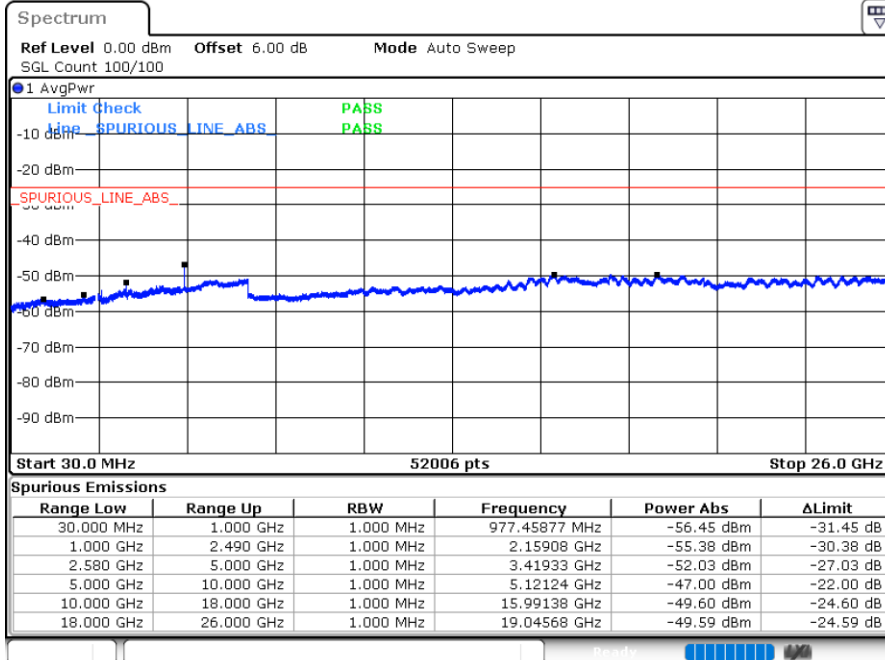
Middle Channel / QPSK



Date: 9.AUG.2023 00:58:15

Date: 9.AUG.2023 00:59:34

Highest Channel / QPSK



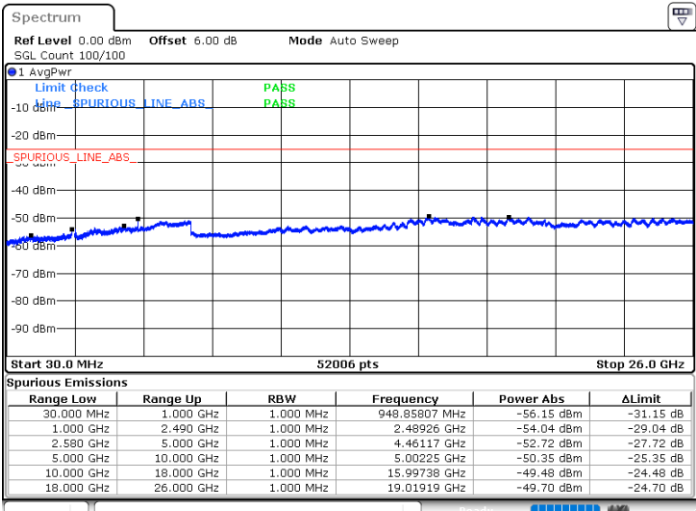
Date: 9.AUG.2023 01:02:18



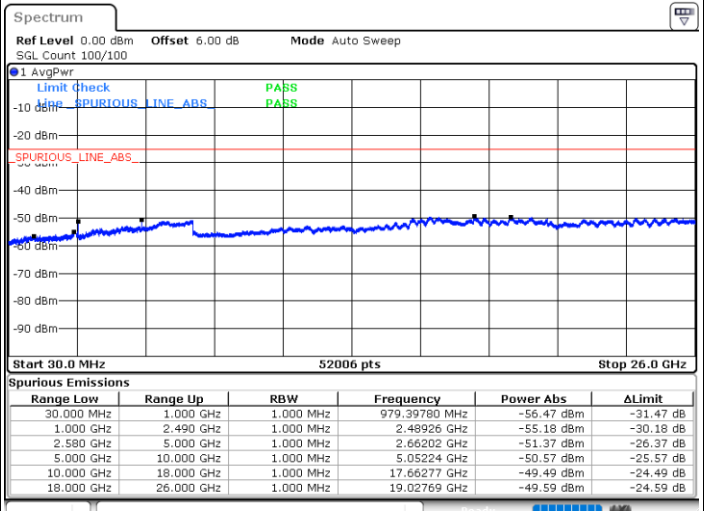
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

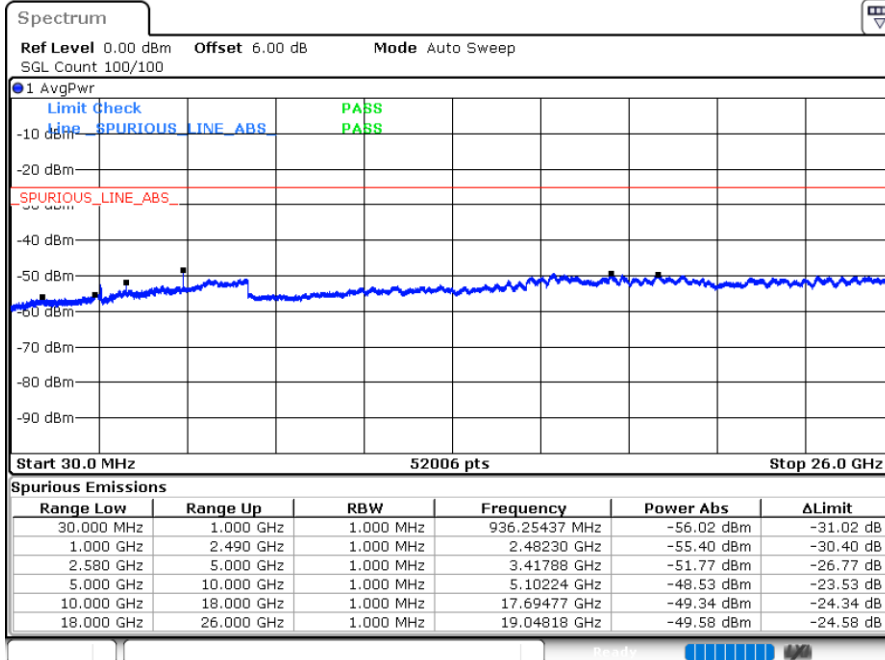


Date: 9.AUG.2023 01:35:22



Date: 9.AUG.2023 01:36:41

Highest Channel / QPSK



Date: 9.AUG.2023 01:38:00



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	0.0022	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0035	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



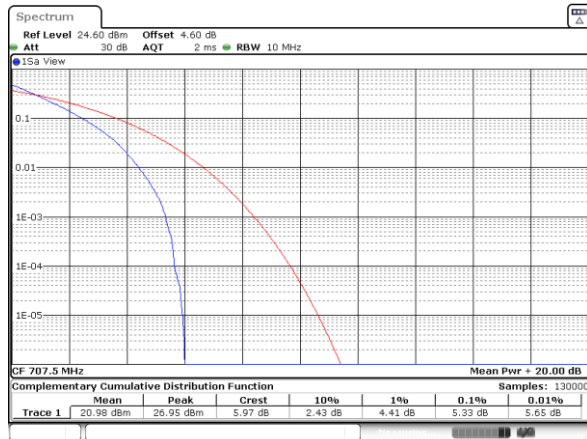
LTE Band 12

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	5.33	6.14	6.61	6.93	PASS

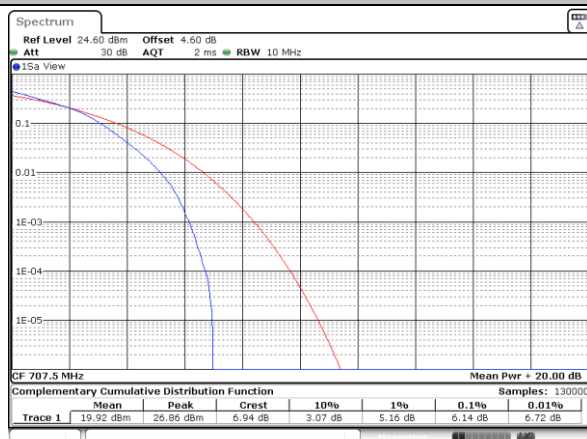
LTE Band 12 / 10MHz

Middle Channel / Full RB/ QPSK



Date: 10.AUG.2023 15:37:24

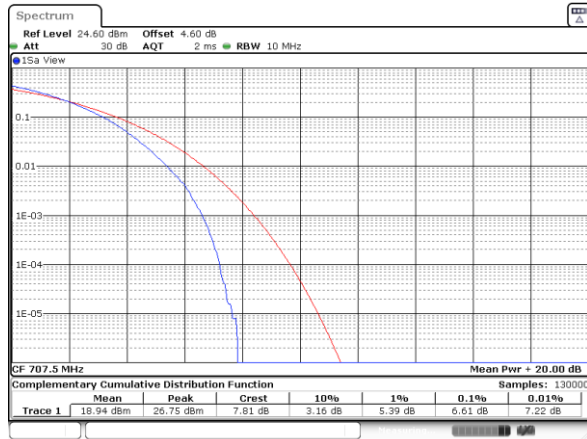
Middle Channel / Full RB/ 16QAM



Date: 10.AUG.2023 15:37:47



Middle Channel / Full RB/ 64QAM



Date: 10.AUG.2023 15:38:10

Middle Channel / Full RB/ 256QAM

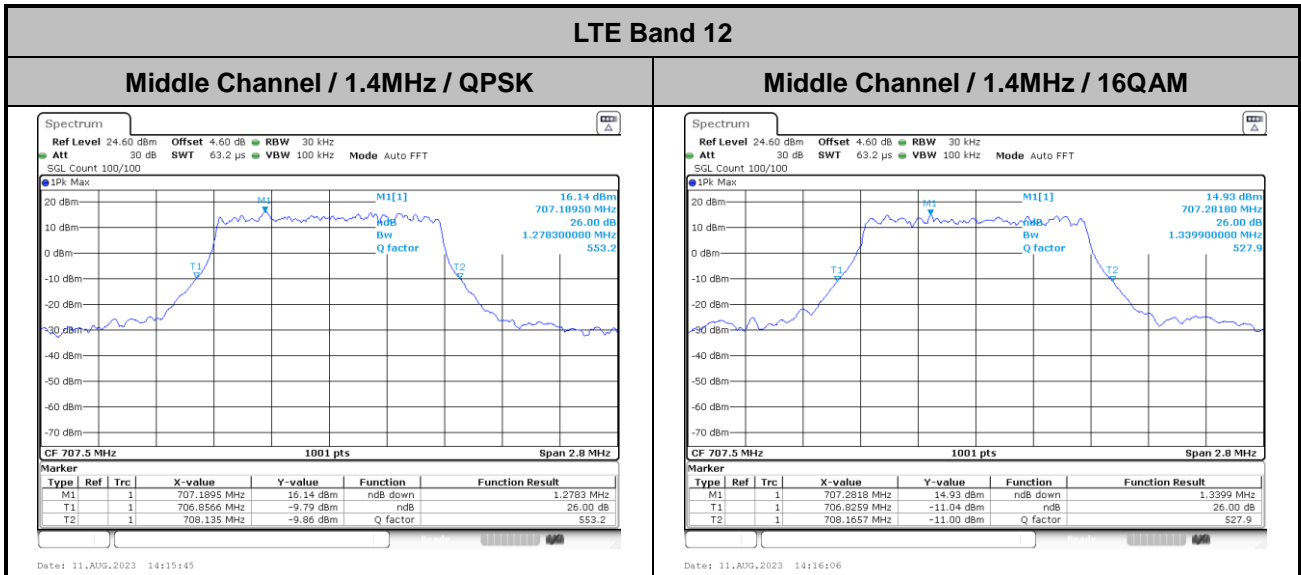


Date: 10.AUG.2023 15:38:32



26dB Bandwidth

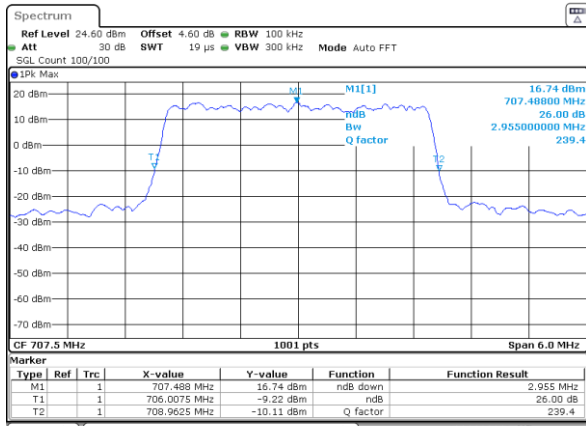
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.28	1.34
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.96	3.11
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.06	4.99
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.03	9.91





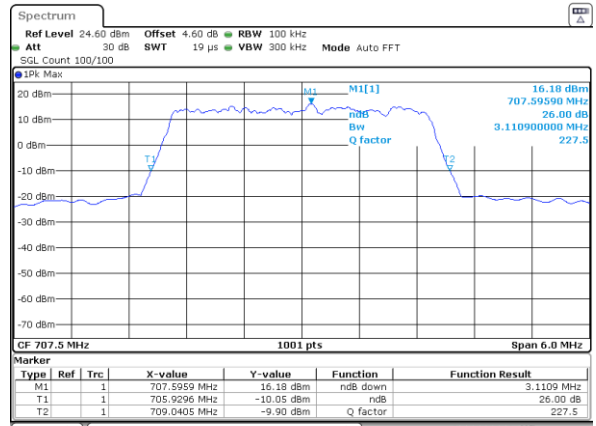
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 11.AUG.2023 14:16:28

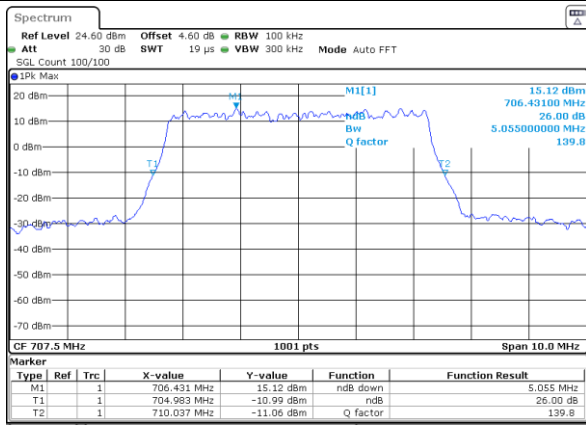
Middle Channel / 3MHz / 16QAM



Date: 11.AUG.2023 14:16:49

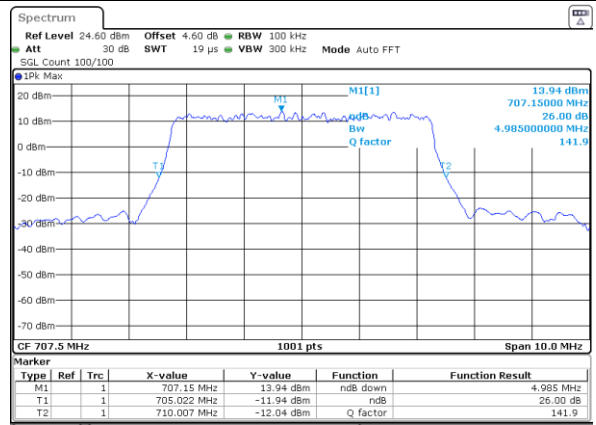
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 11.AUG.2023 14:17:11

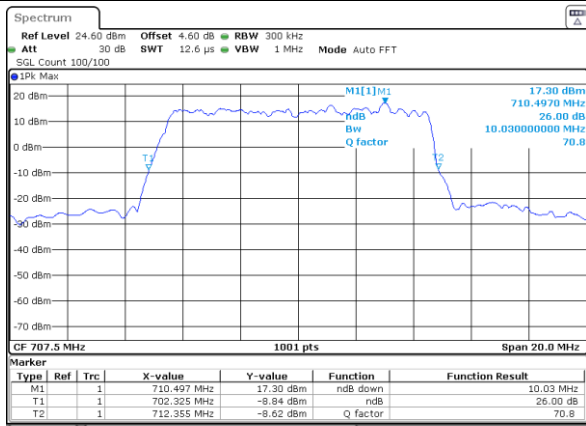
Middle Channel / 5MHz / 16QAM



Date: 11.AUG.2023 14:17:32

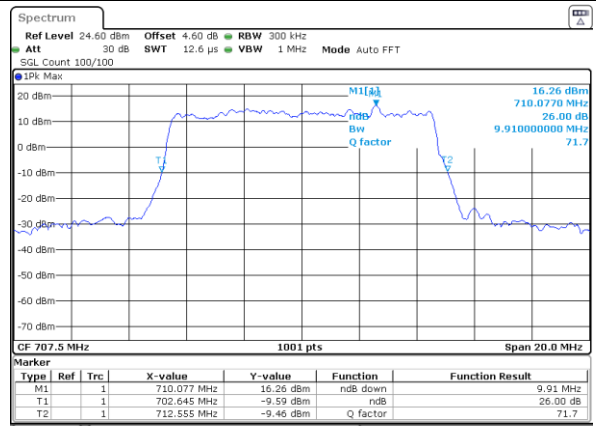
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 11.AUG.2023 14:17:53

Middle Channel / 10MHz / 16QAM

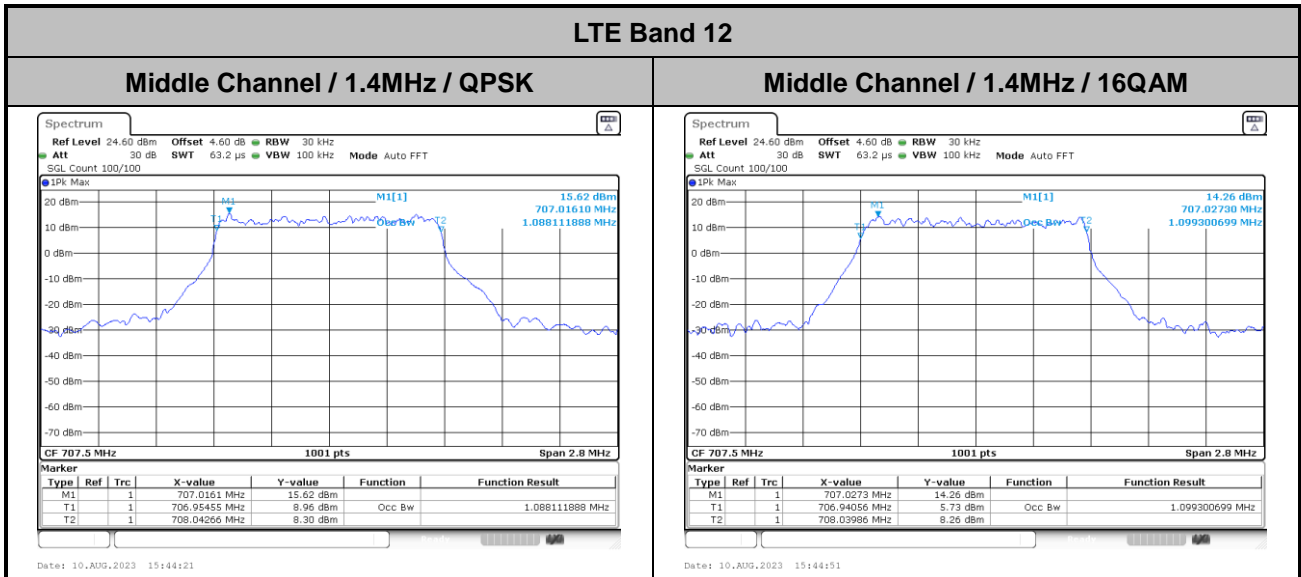


Date: 11.AUG.2023 14:18:14



Occupied Bandwidth

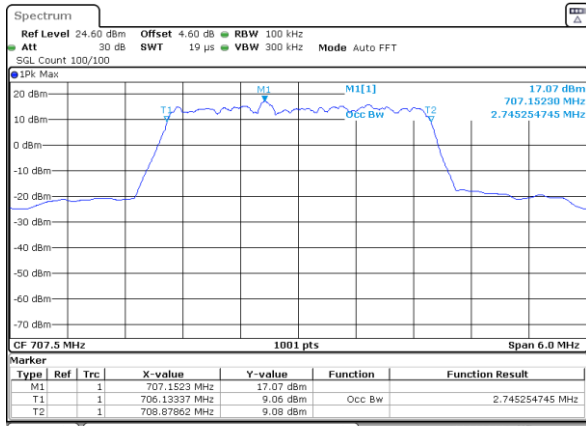
Mode	LTE Band 12 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.75	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.09





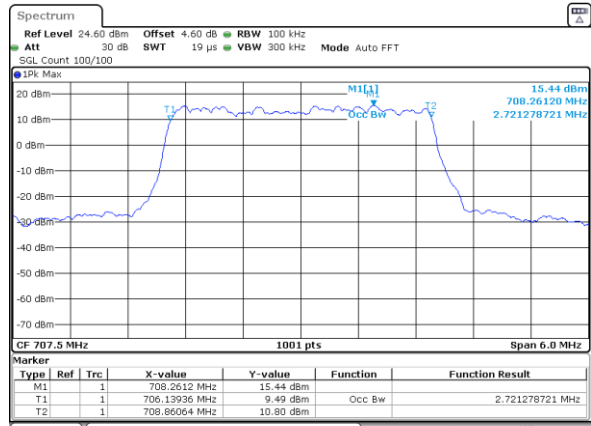
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 10_AUG_2023 15:47:03

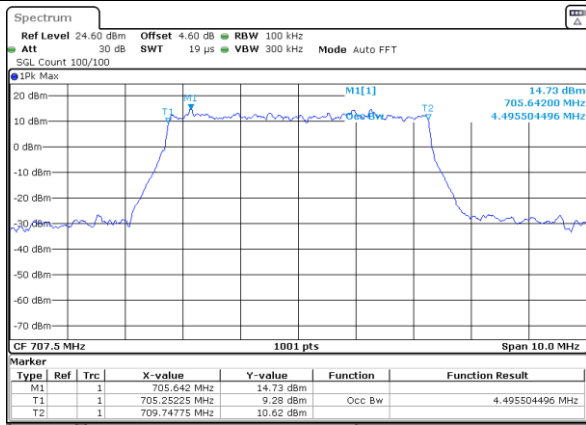
Middle Channel / 3MHz / 16QAM



Date: 10_AUG_2023 15:47:126

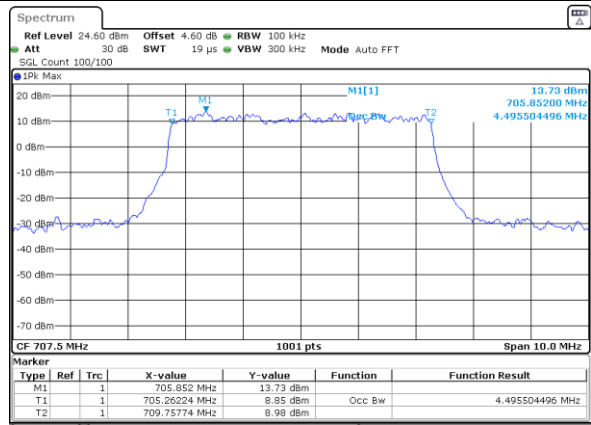
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 10_AUG_2023 15:49:05

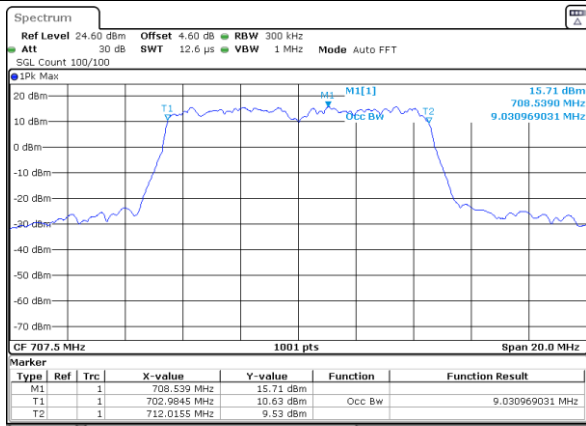
Middle Channel / 5MHz / 16QAM



Date: 10_AUG_2023 15:50:101

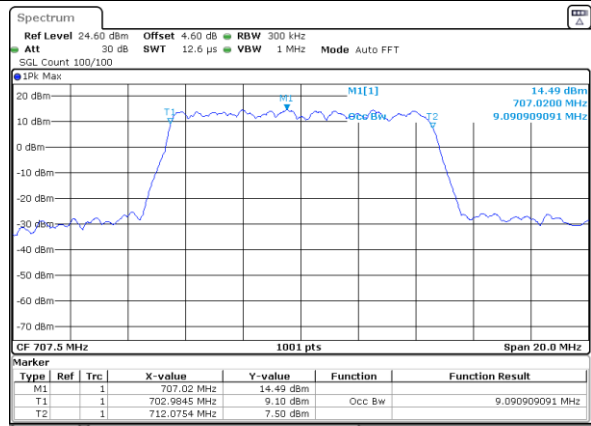
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 10_AUG_2023 15:51:06

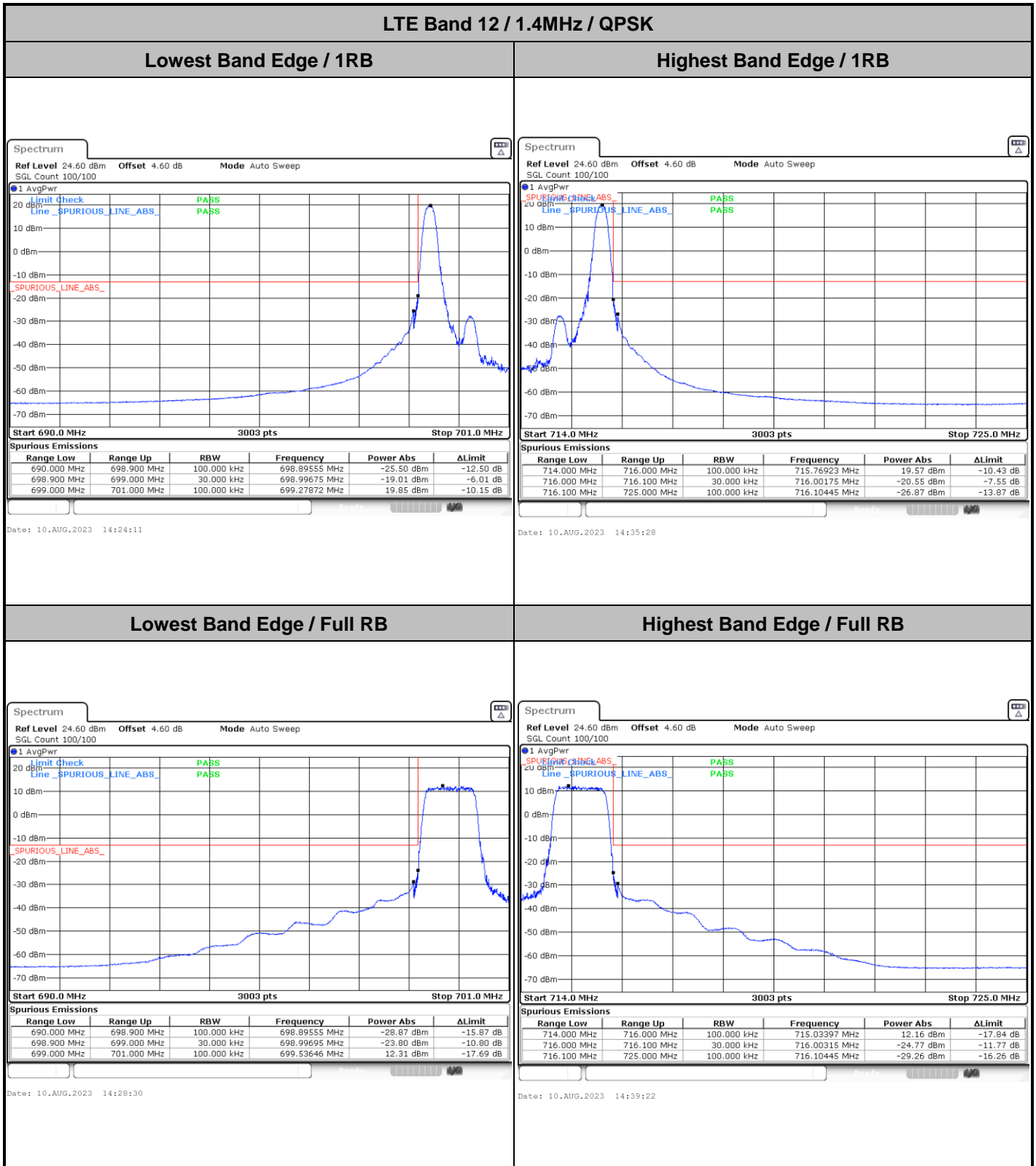
Middle Channel / 10MHz / 16QAM



Date: 10_AUG_2023 15:52:102



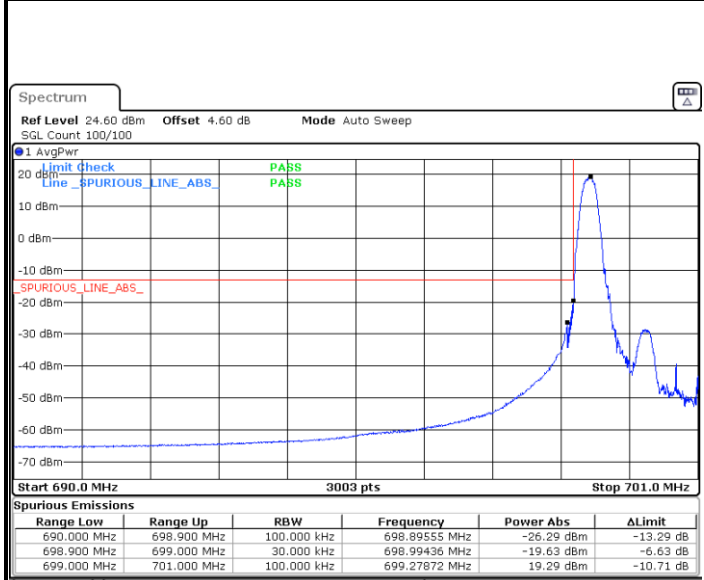
Conducted Band Edge





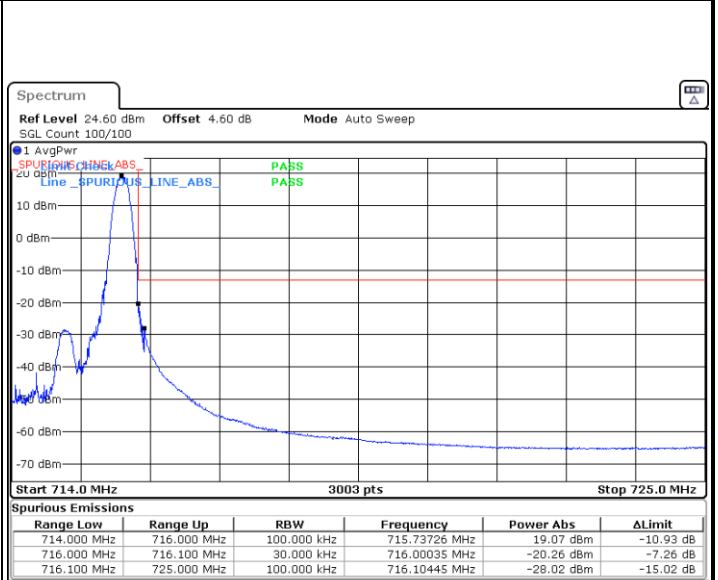
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



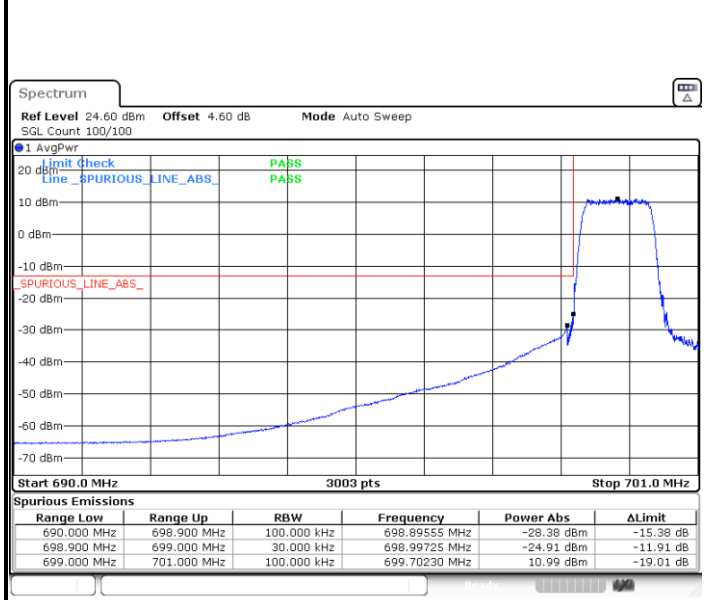
Date: 10.AUG.2023 14:25:16

Highest Band Edge / 1 RB



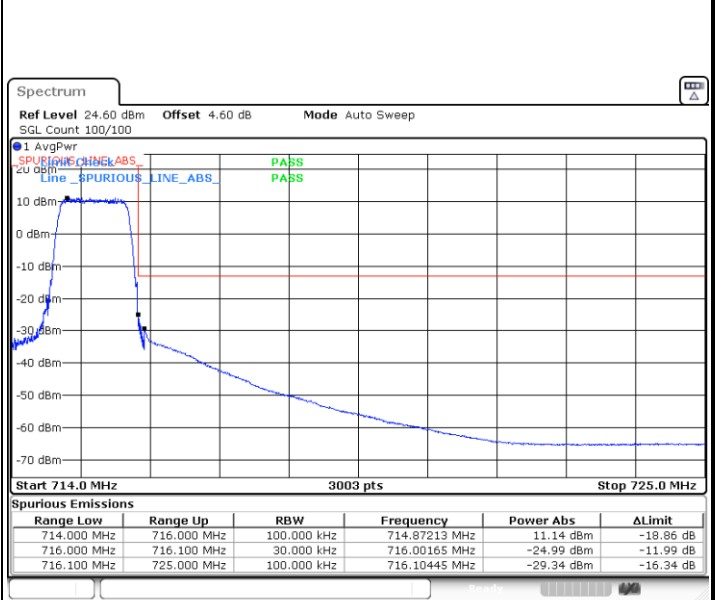
Date: 10.AUG.2023 14:36:26

Lowest Band Edge / Full RB



Date: 10.AUG.2023 14:29:29

Highest Band Edge / Full RB

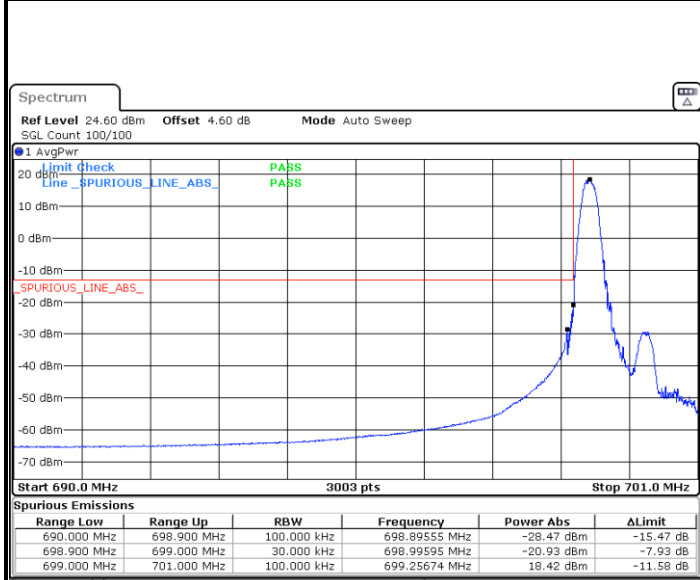


Date: 10.AUG.2023 14:40:21



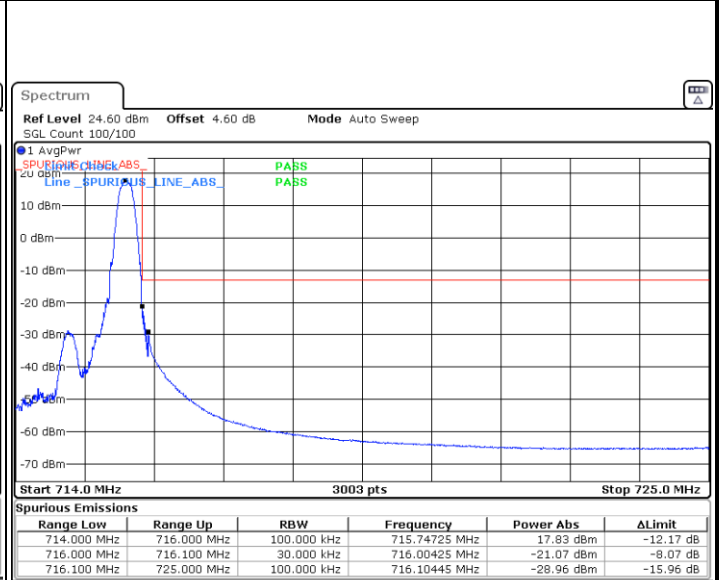
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



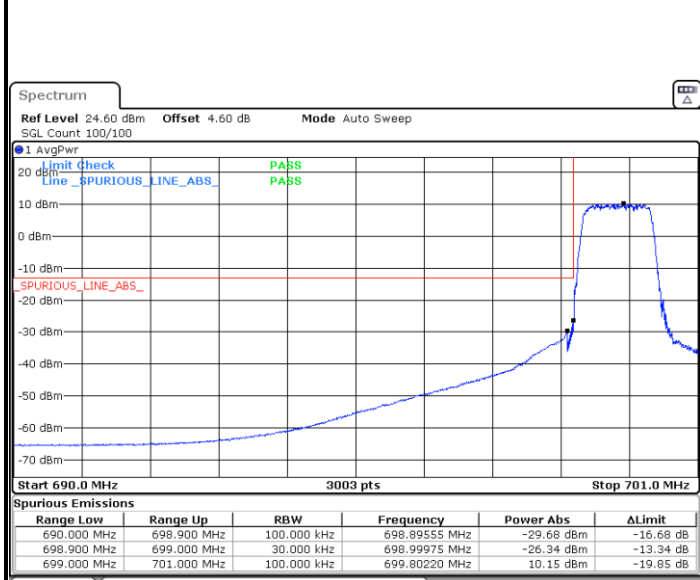
Date: 10.AUG.2023 14:26:22

Highest Band Edge / 1 RB



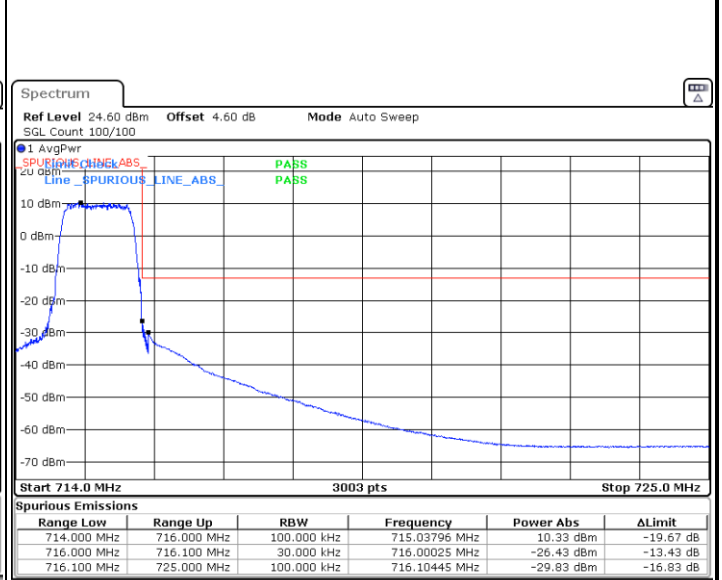
Date: 10.AUG.2023 14:37:25

Lowest Band Edge / Full RB



Date: 10.AUG.2023 14:30:28

Highest Band Edge / Full RB

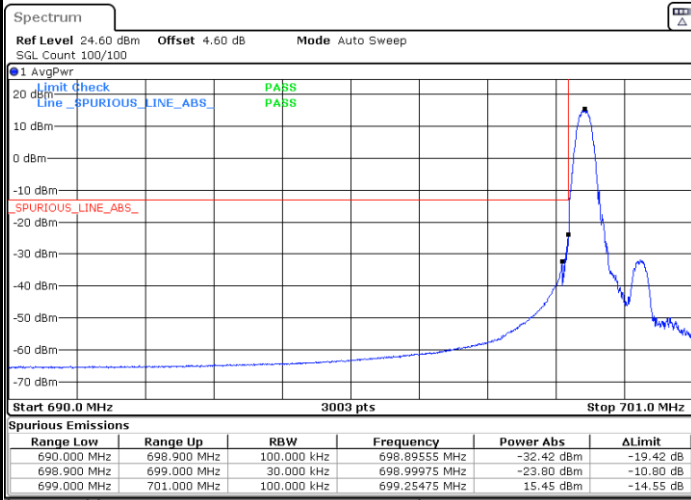


Date: 10.AUG.2023 14:41:19



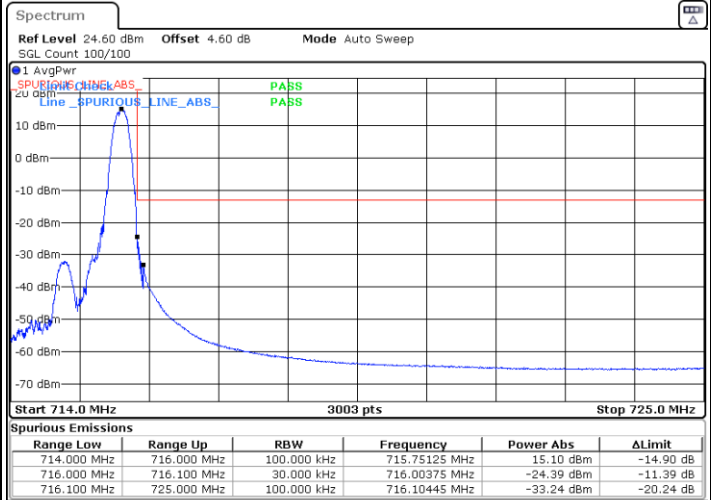
LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



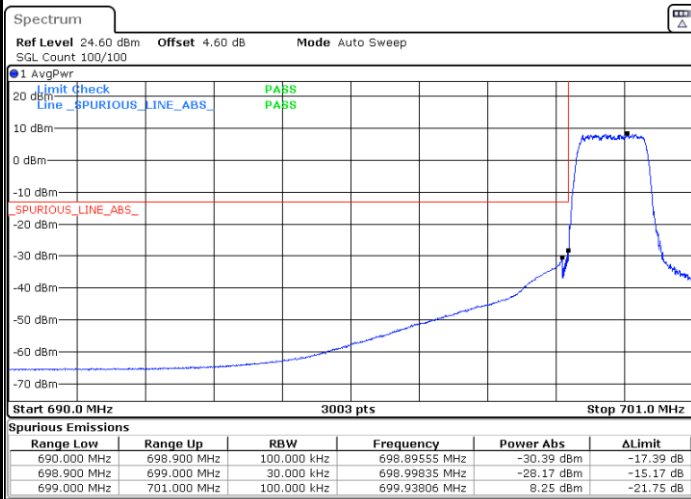
Date: 10.AUG.2023 14:27:28

Highest Band Edge / 1 RB



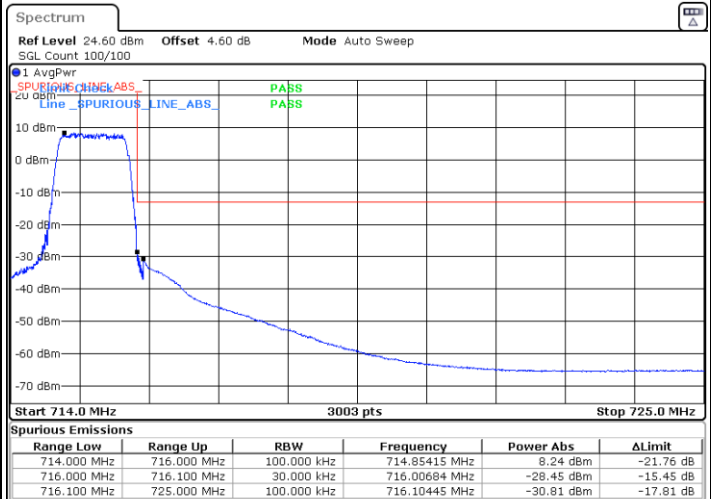
Date: 10.AUG.2023 14:38:23

Lowest Band Edge / Full RB



Date: 10.AUG.2023 14:31:27

Highest Band Edge / Full RB

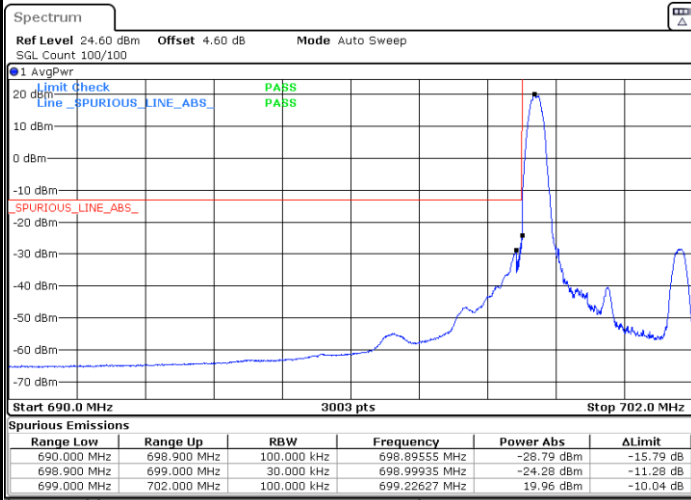


Date: 10.AUG.2023 14:42:18



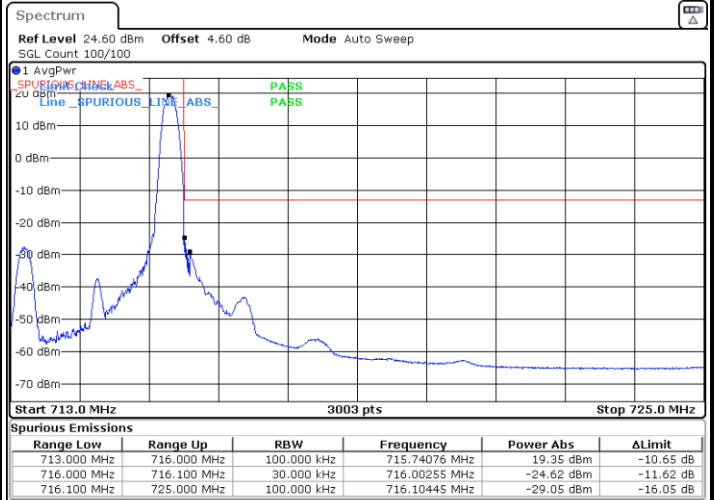
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



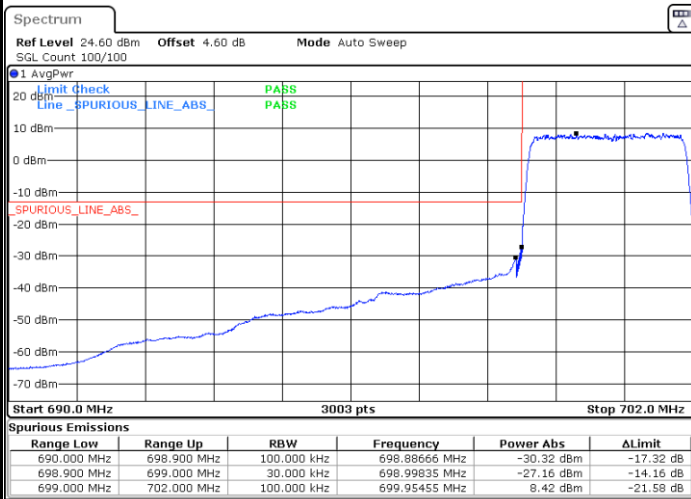
Date: 10.AUG.2023 14:45:23

Highest Band Edge / 1 RB



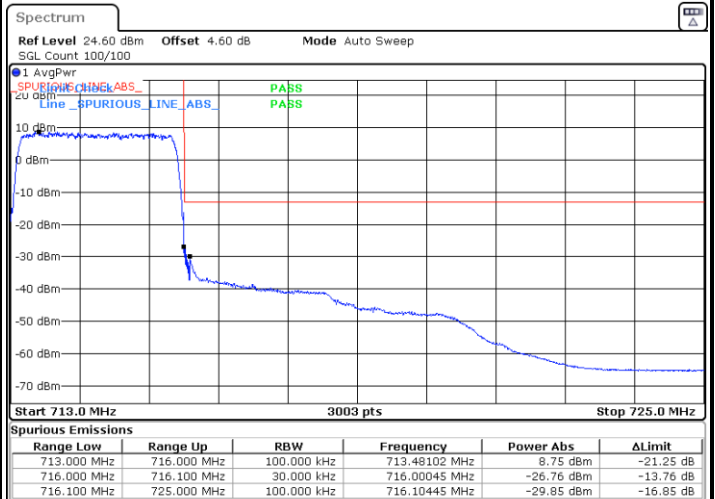
Date: 10.AUG.2023 14:55:40

Lowest Band Edge / Full RB



Date: 10.AUG.2023 14:49:19

Highest Band Edge / Full RB



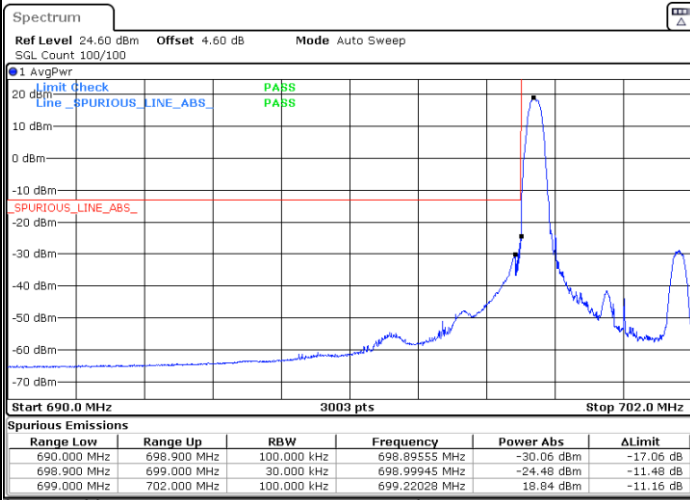
Date: 10.AUG.2023 14:59:36



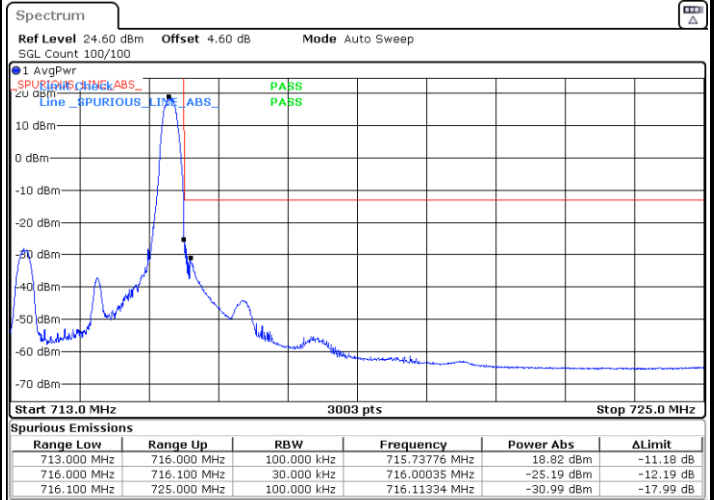
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



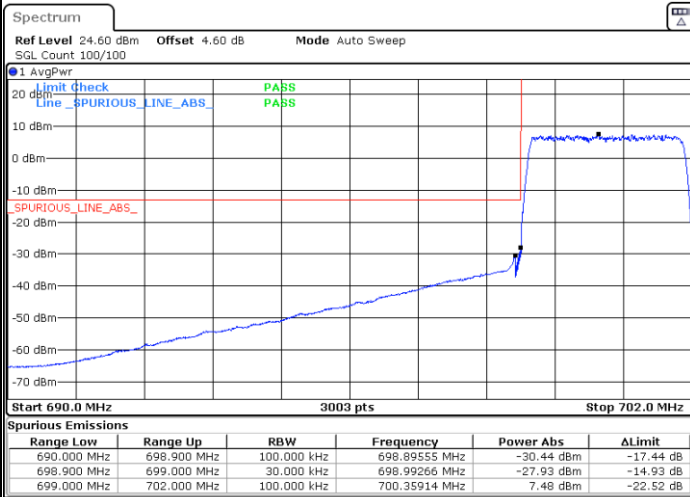
Date: 10.AUG.2023 14:46:21



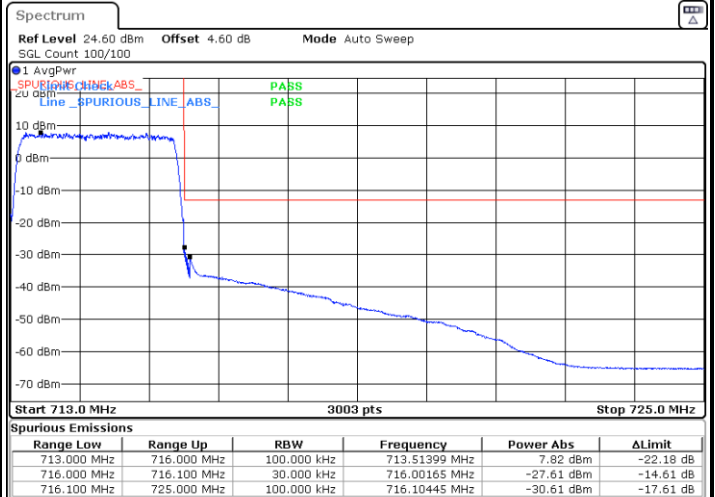
Date: 10.AUG.2023 14:56:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.AUG.2023 14:50:18

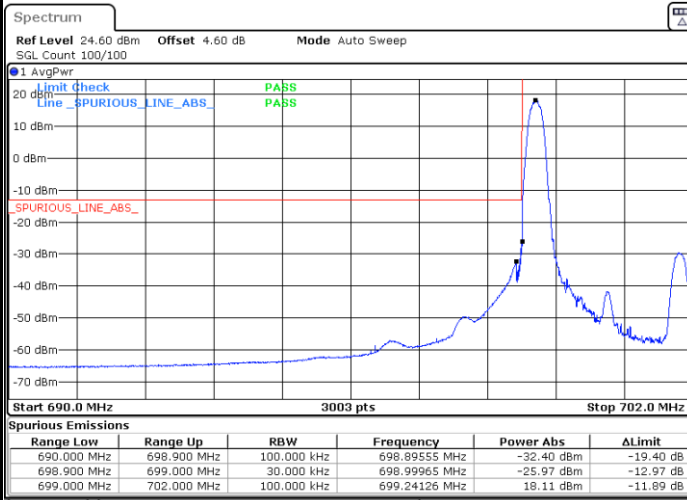


Date: 10.AUG.2023 15:00:29



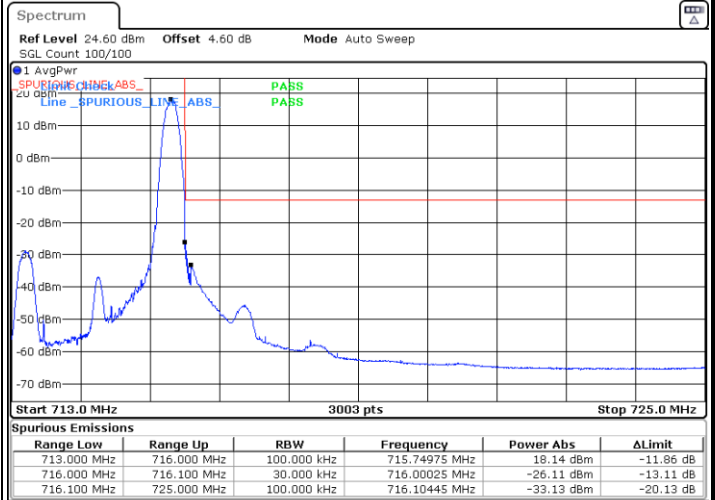
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



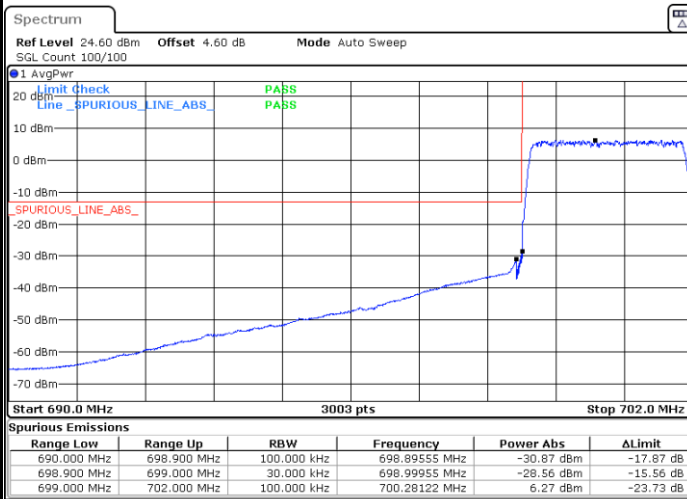
Date: 10.AUG.2023 14:47:20

Highest Band Edge / 1 RB



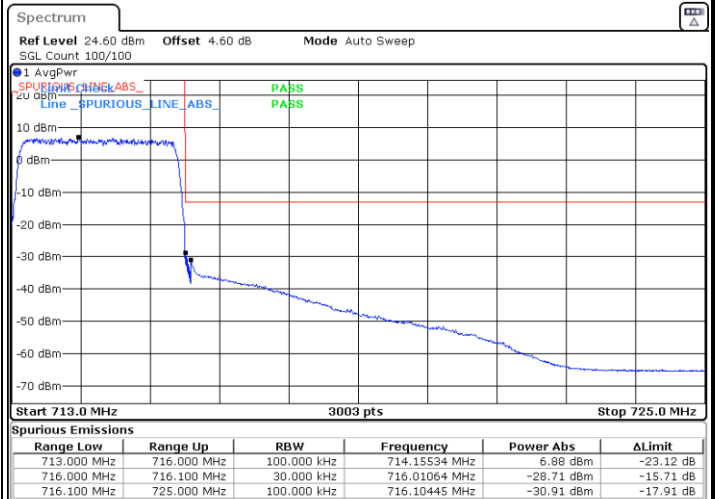
Date: 10.AUG.2023 14:57:37

Lowest Band Edge / Full RB



Date: 10.AUG.2023 14:51:16

Highest Band Edge / Full RB



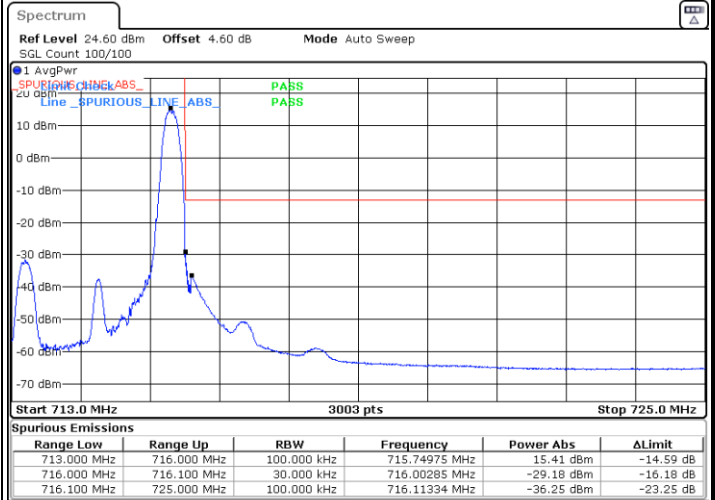
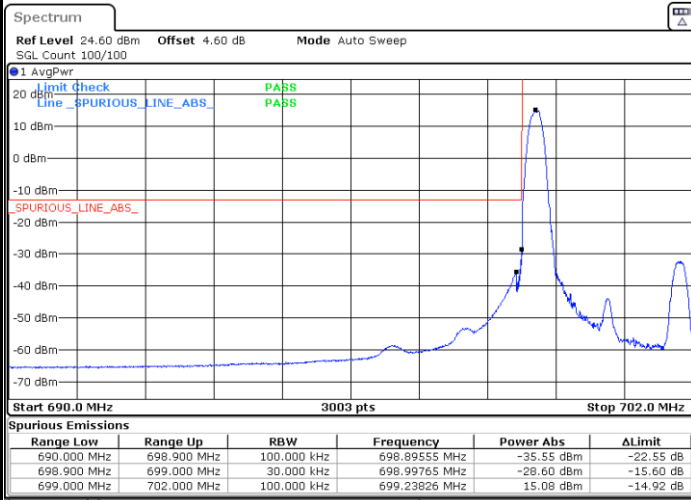
Date: 10.AUG.2023 15:01:23



LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

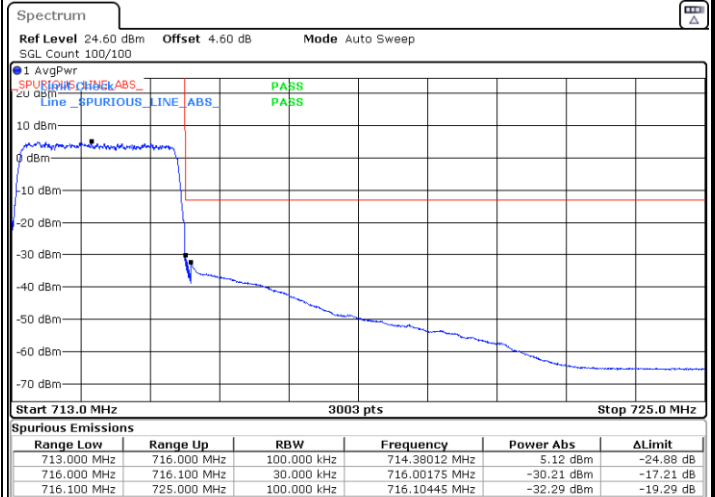
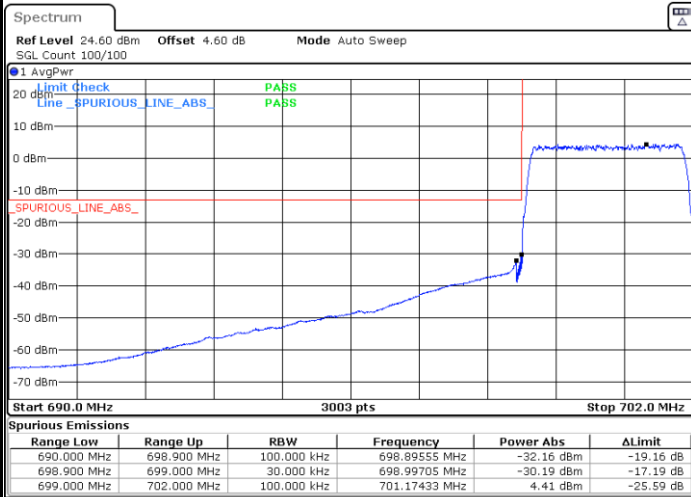


Date: 10.AUG.2023 14:48:18

Date: 10.AUG.2023 14:58:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.AUG.2023 14:52:14

Date: 10.AUG.2023 15:02:16