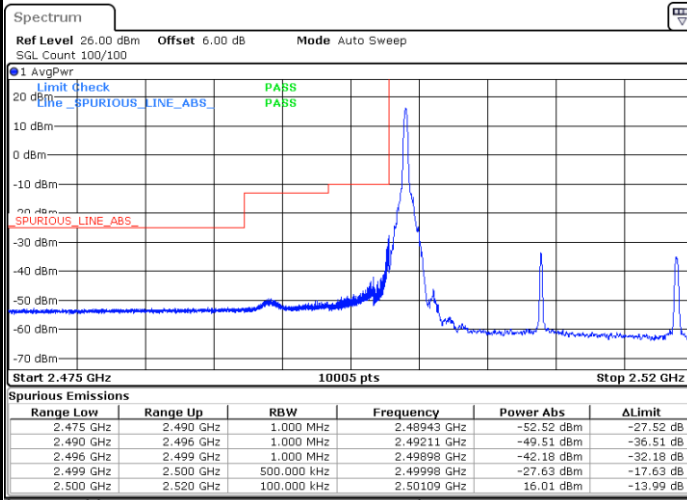




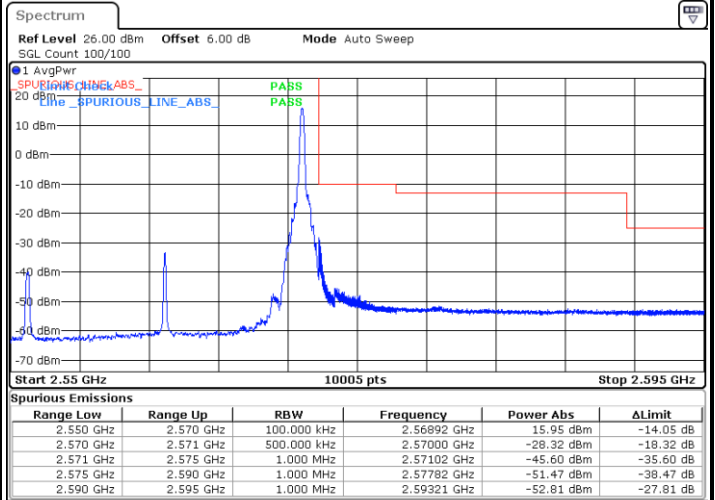
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



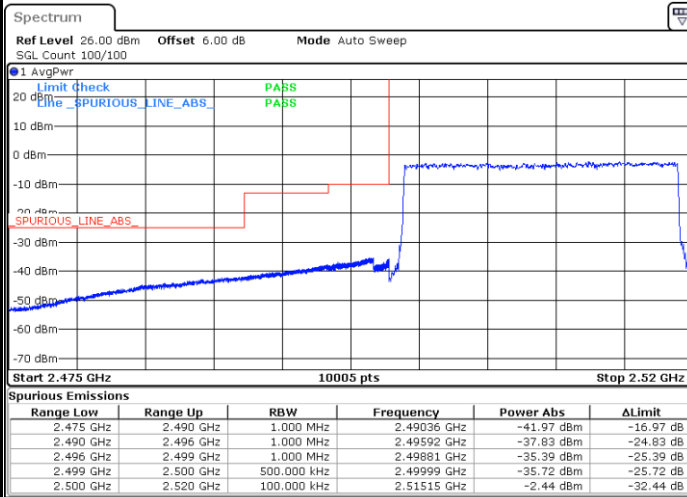
Date: 20.FEB.2023 20:50:29

Highest Band Edge / 1 RB



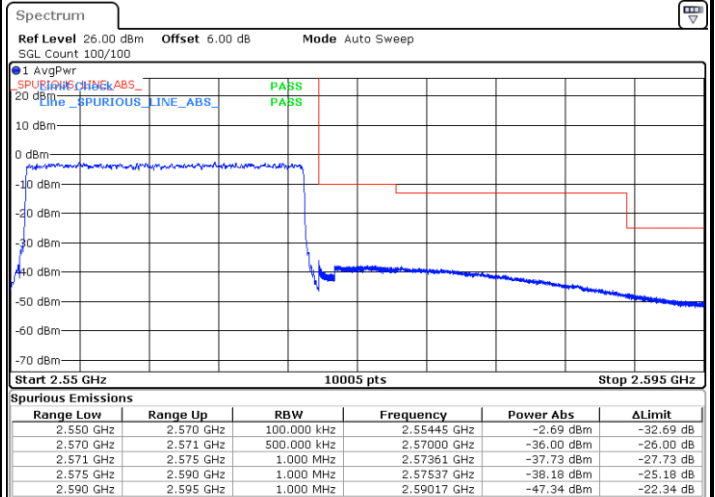
Date: 20.FEB.2023 20:51:52

Lowest Band Edge / Full RB



Date: 20.FEB.2023 20:47:53

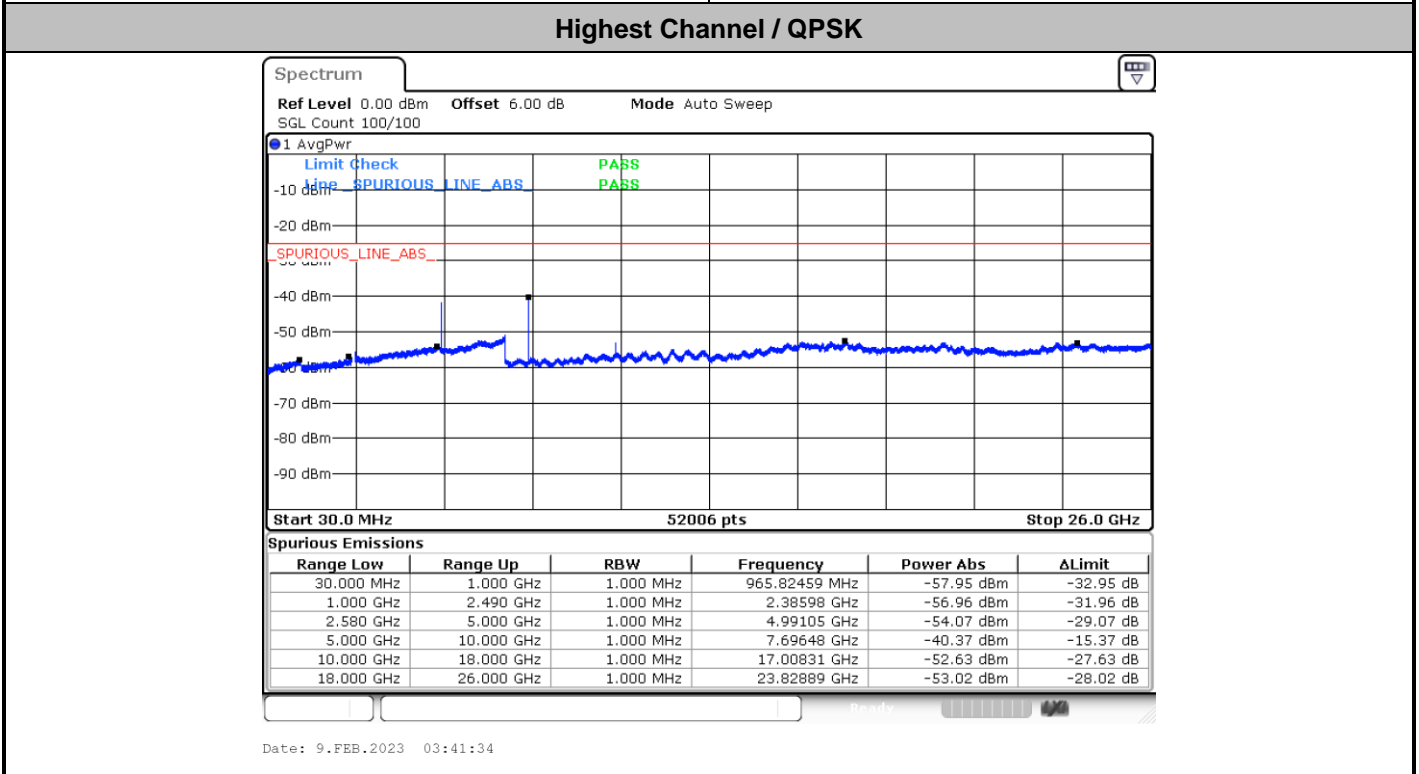
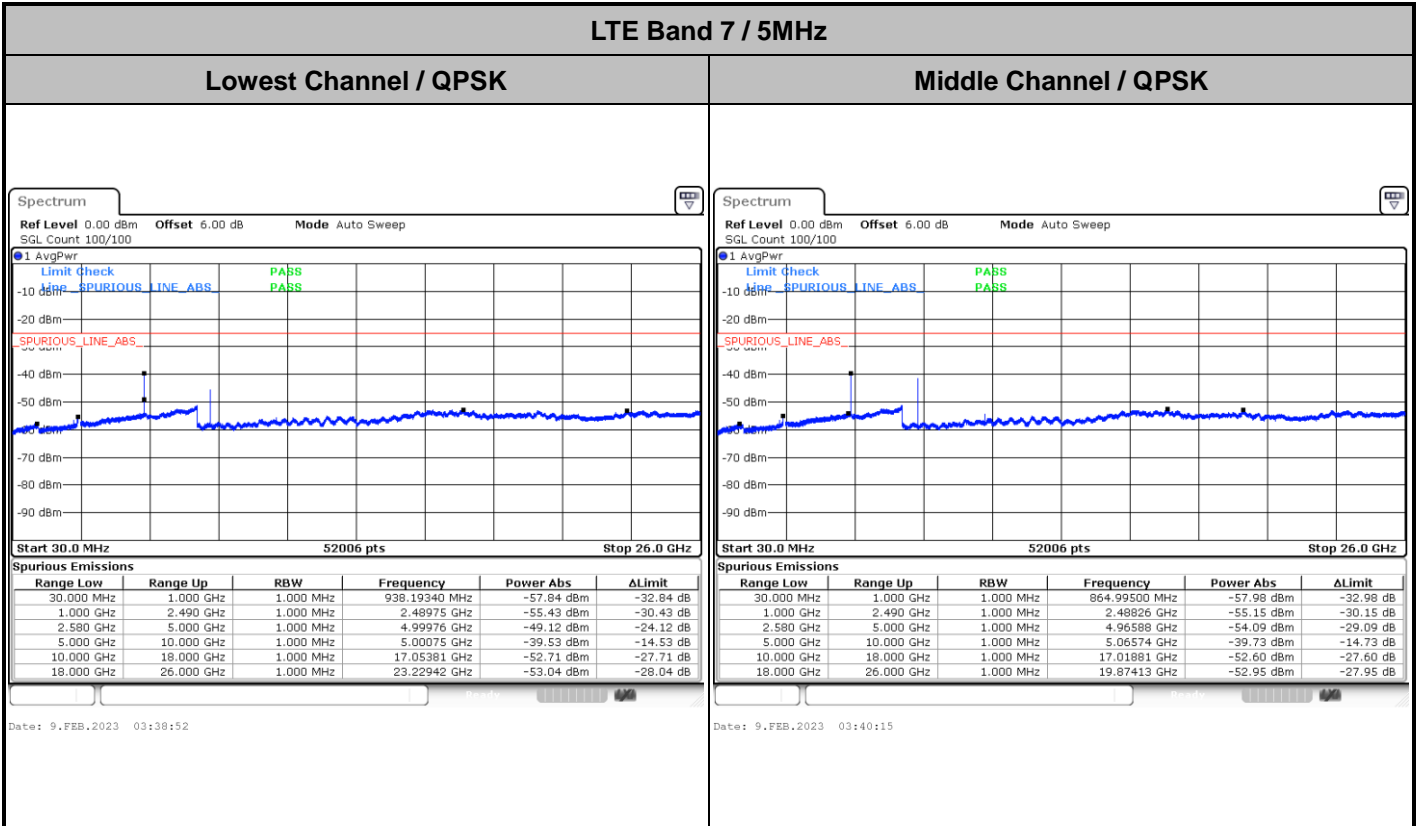
Highest Band Edge / Full RB



Date: 20.FEB.2023 20:54:27



Conducted Spurious Emission

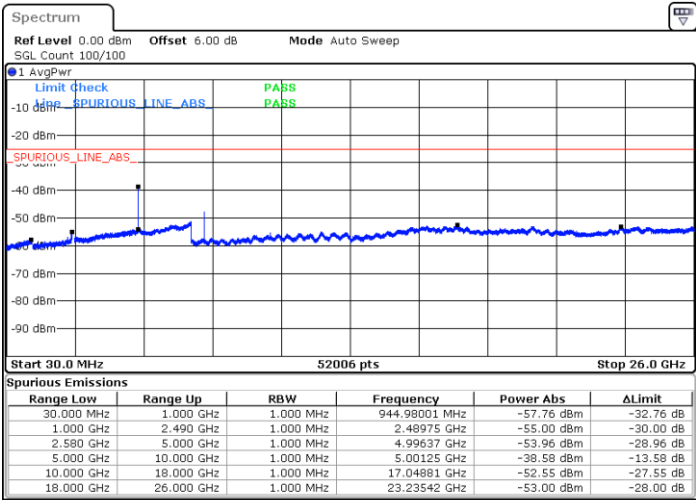




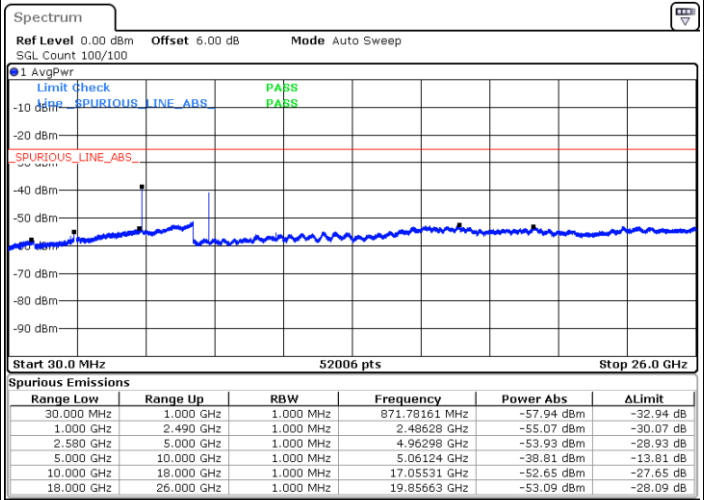
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

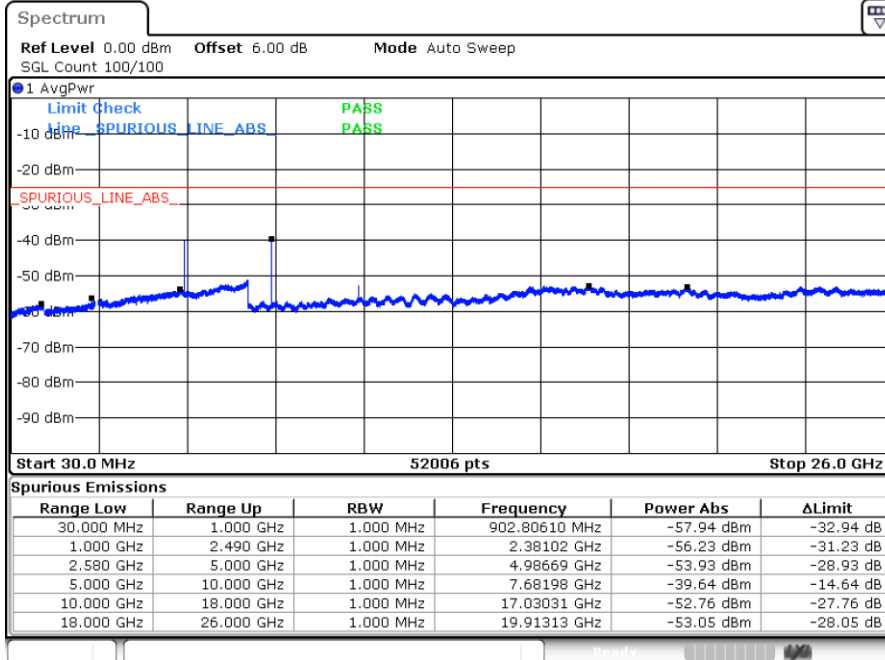


Date: 9.FEB.2023 03:52:52



Date: 9.FEB.2023 03:54:11

Highest Channel / QPSK



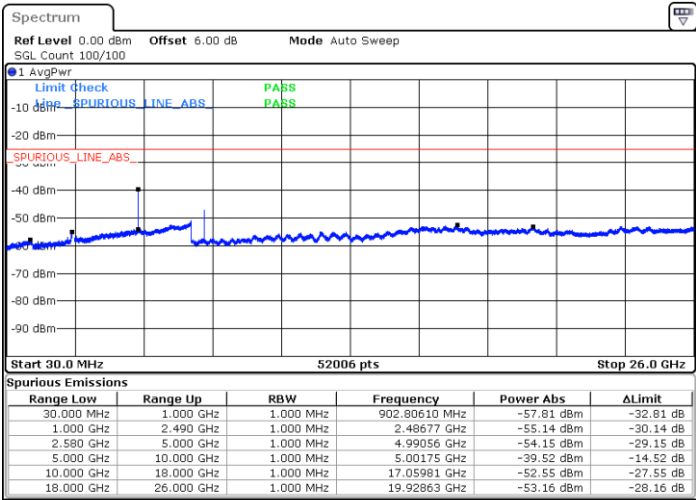
Date: 9.FEB.2023 03:55:31



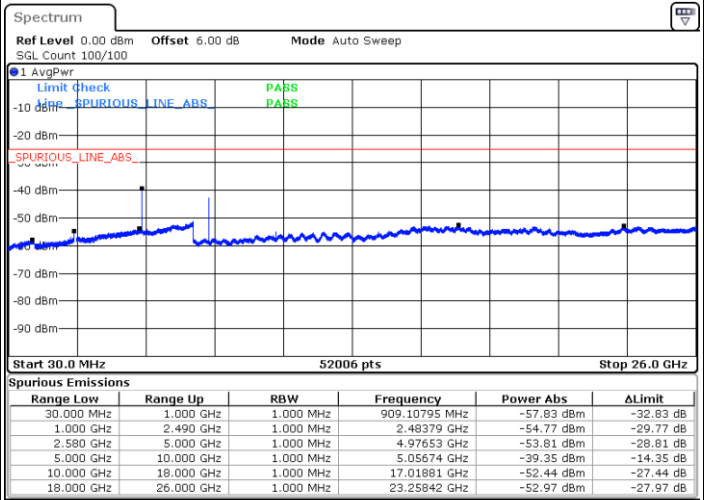
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

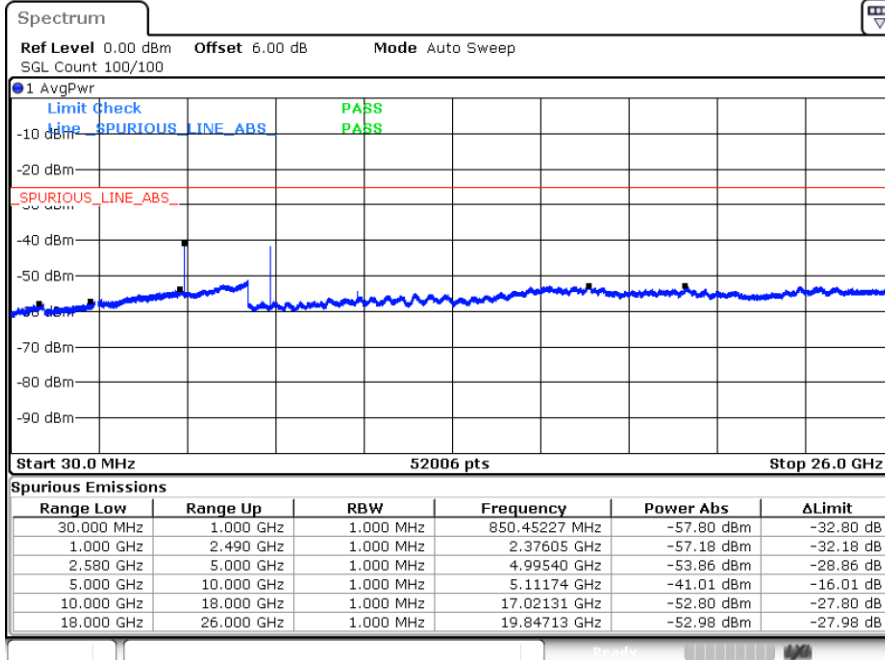


Date: 9.FEB.2023 04:06:49



Date: 9.FEB.2023 04:08:09

Highest Channel / QPSK



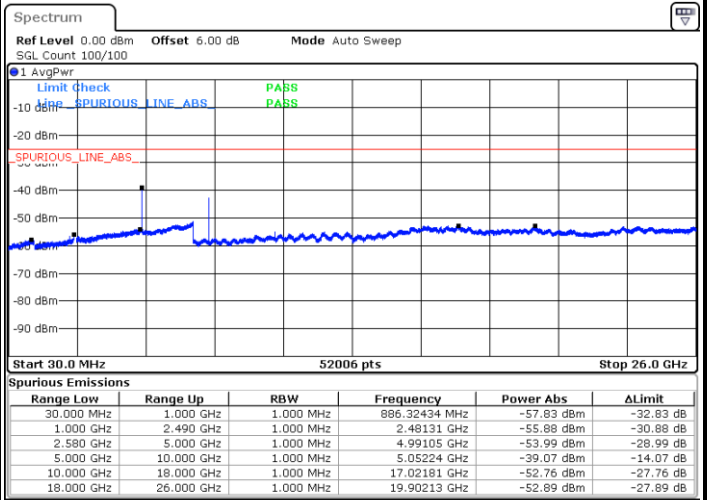
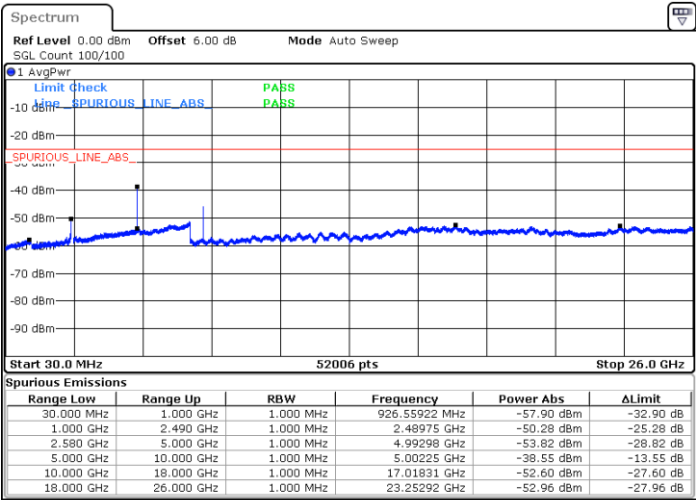
Date: 9.FEB.2023 04:09:28



LTE Band 7 / 20MHz

Lowest Channel / QPSK

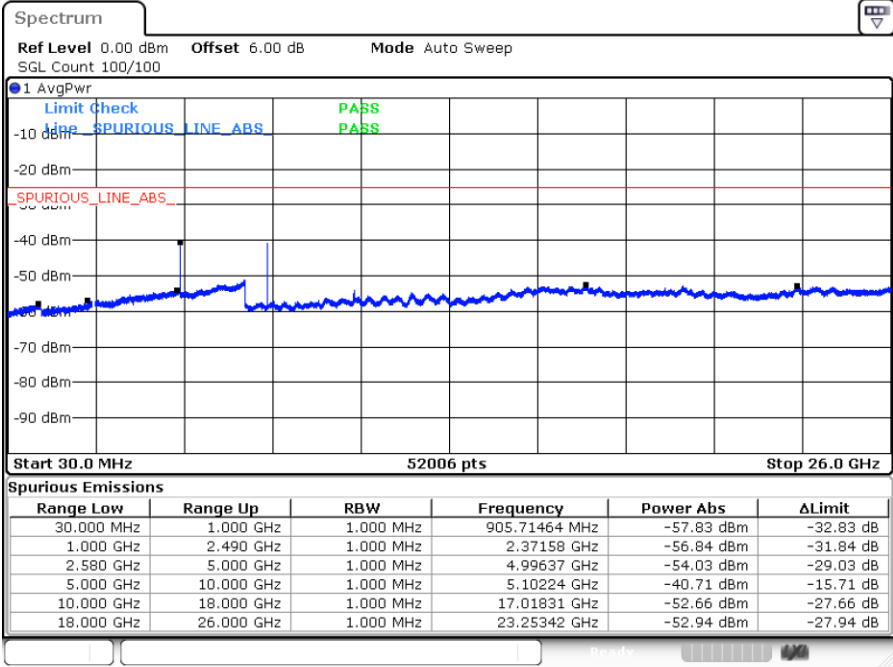
Middle Channel / QPSK



Date: 9.FEB.2023 04:20:47

Date: 9.FEB.2023 04:22:07

Highest Channel / QPSK



Date: 9.FEB.2023 04:23:27



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	0.0025	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0026	

Note:

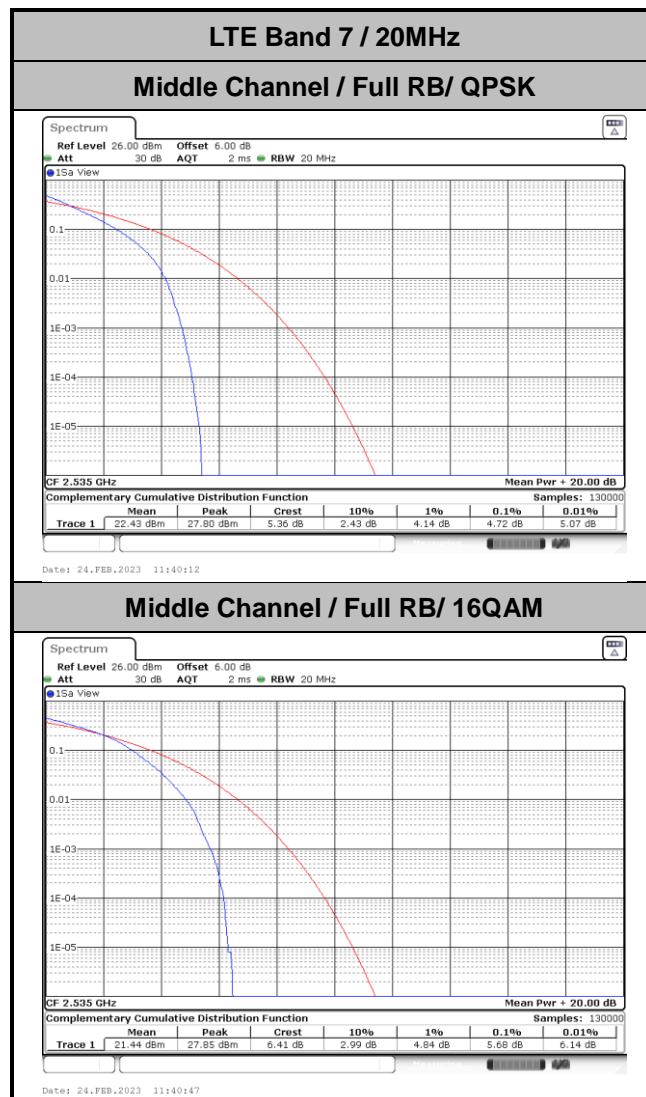
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.41 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

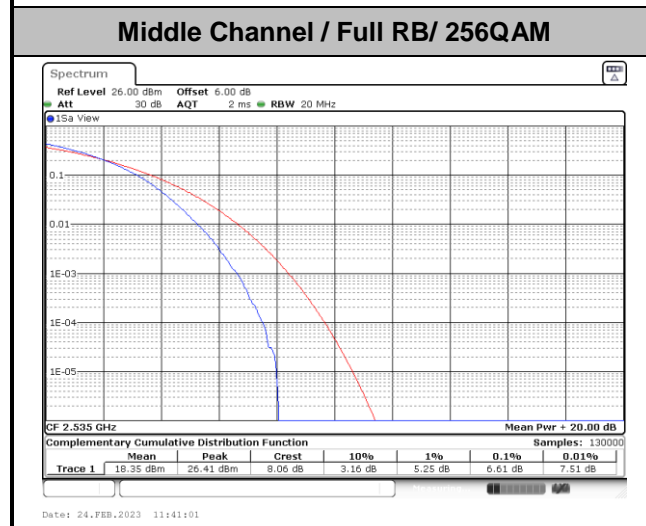
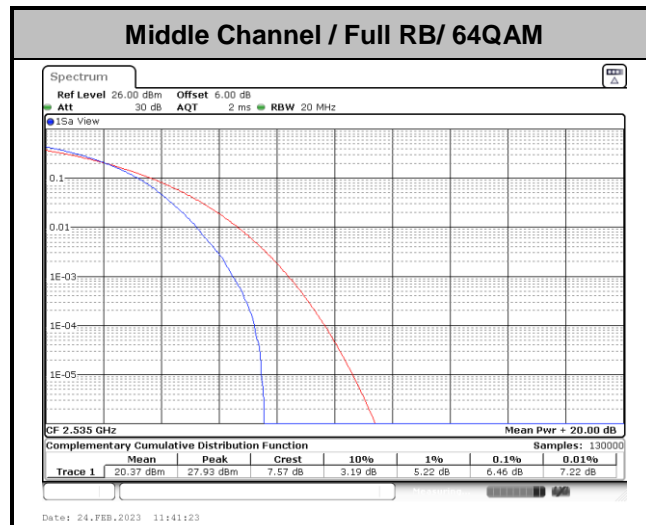


LTE Band 7 for Other PA

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.72	5.68	6.46	6.61	PASS

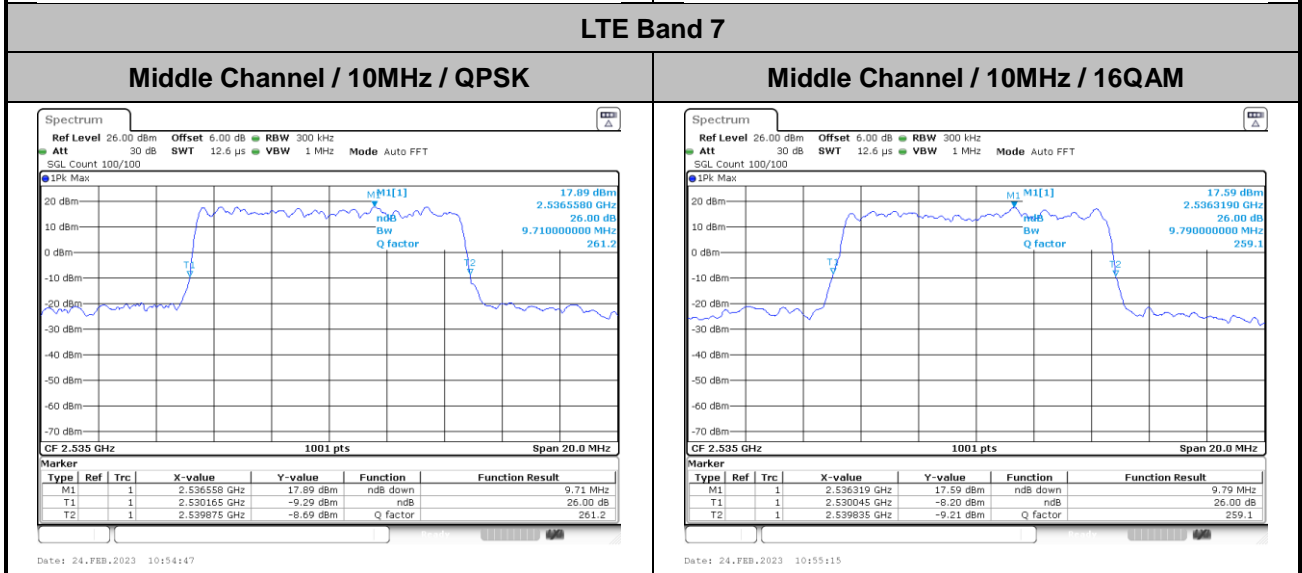
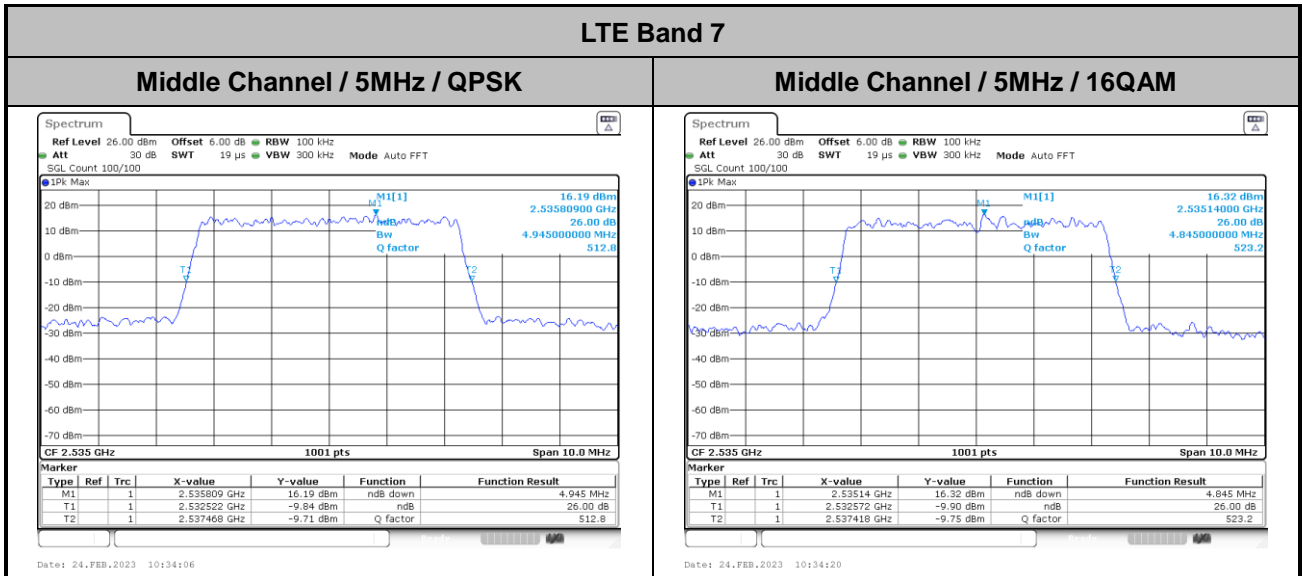






26dB Bandwidth

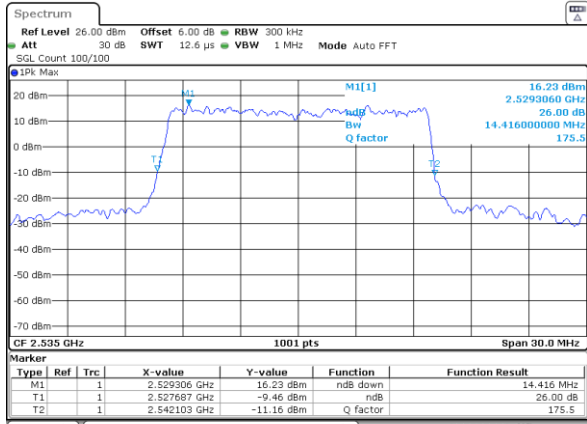
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.95	4.85	9.71	9.79	14.42	14.45	19.26	19.22



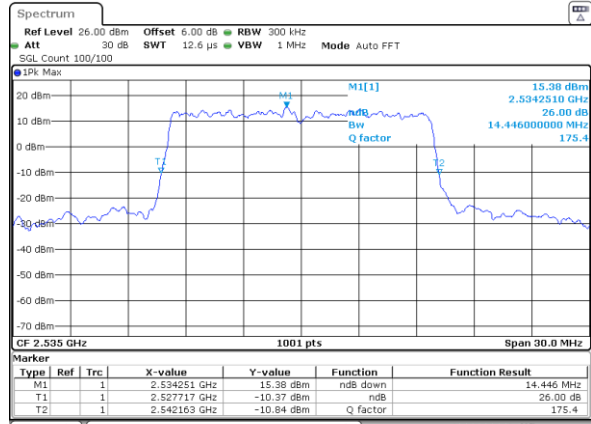


LTE Band 7

Middle Channel / 15MHz / QPSK

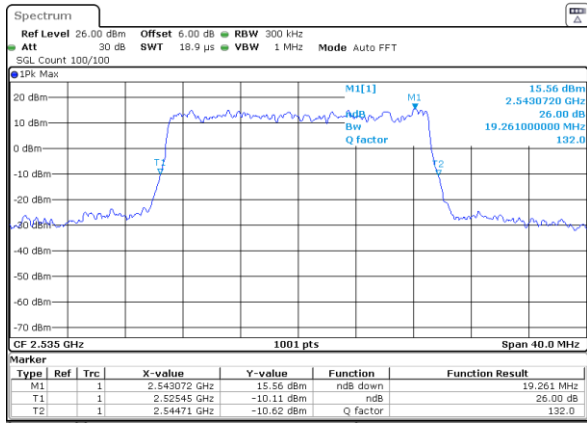


Middle Channel / 15MHz / 16QAM

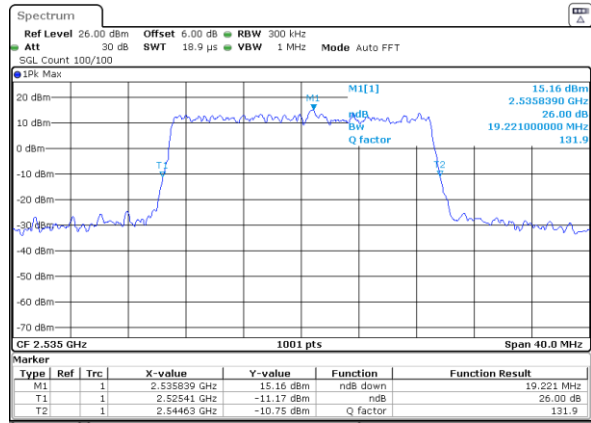


LTE Band 7

Middle Channel / 20MHz / QPSK



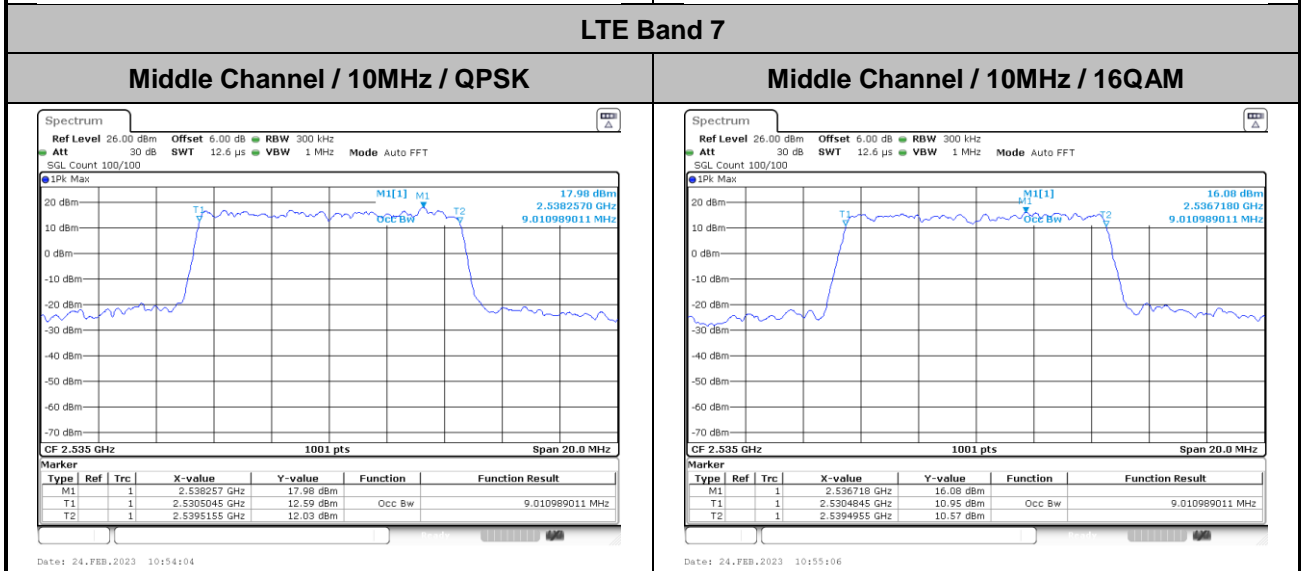
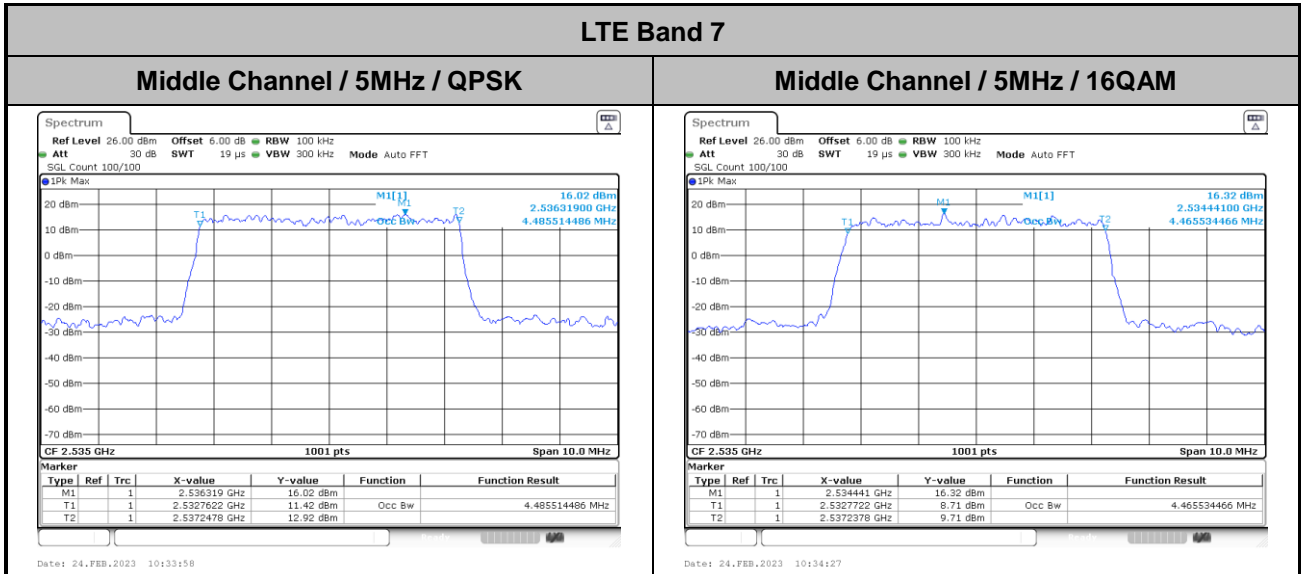
Middle Channel / 20MHz / 16QAM





Occupied Bandwidth

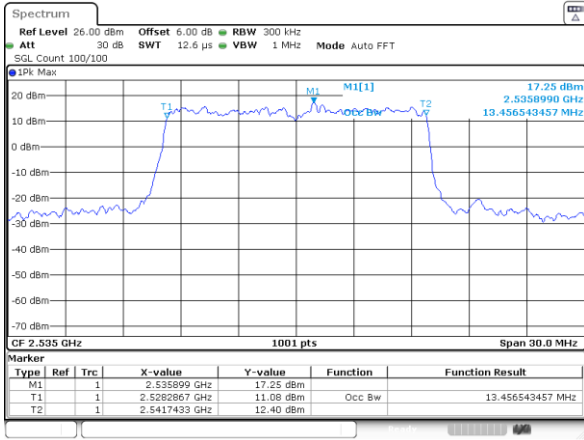
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.49	4.47	9.01	9.01	13.46	13.40	17.90	17.90





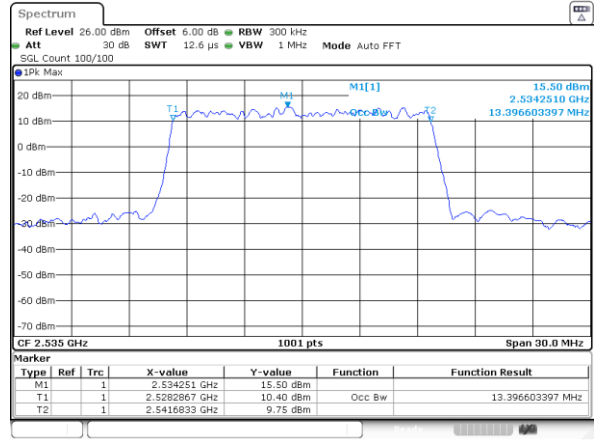
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 24.FEB.2023 11:15:37

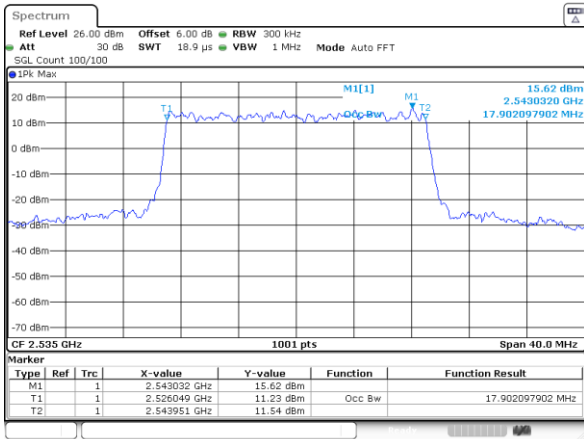
Middle Channel / 15MHz / 16QAM



Date: 24.FEB.2023 11:16:04

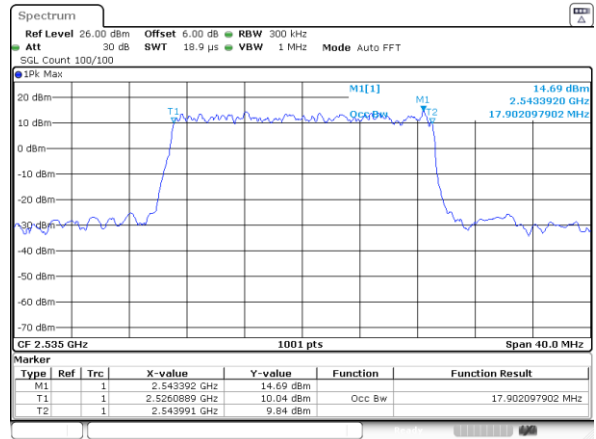
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 24.FEB.2023 11:29:10

Middle Channel / 20MHz / 16QAM



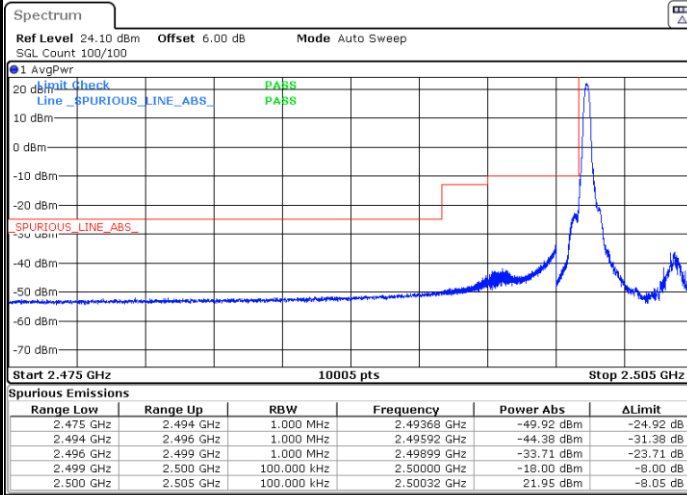
Date: 24.FEB.2023 11:29:44



Conducted Band Edge

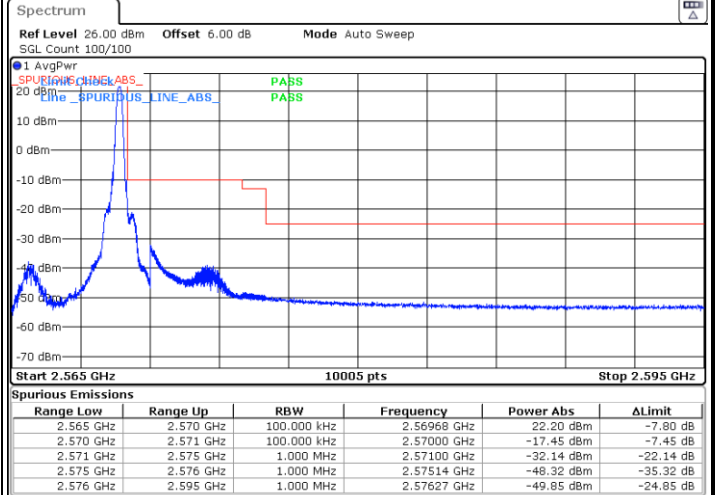
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



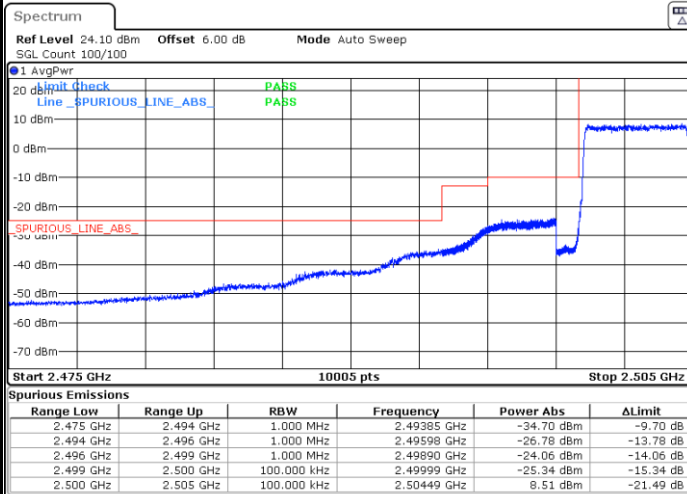
Date: 24.FEB.2023 10:30:23

Highest Band Edge / 1 RB



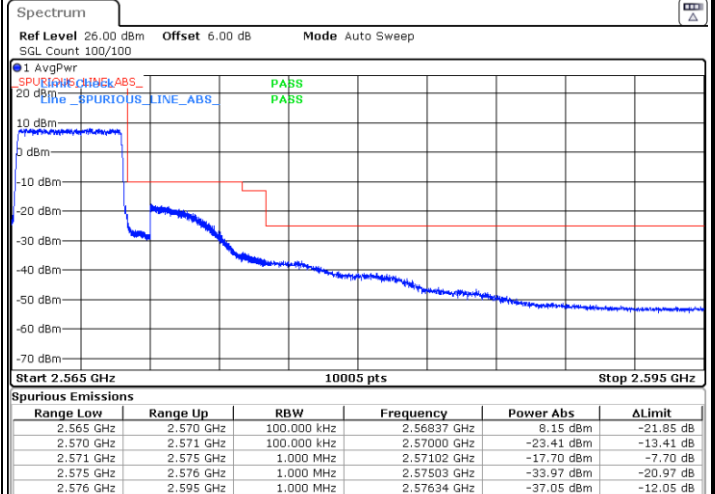
Date: 24.FEB.2023 10:39:21

Lowest Band Edge / Full RB



Date: 24.FEB.2023 10:32:11

Highest Band Edge / Full RB

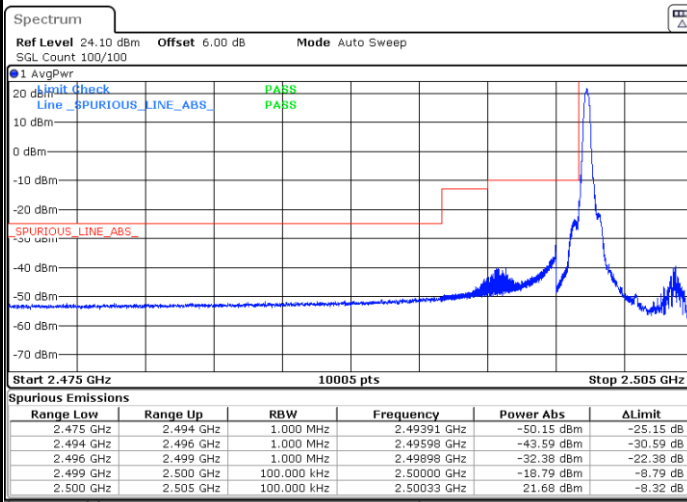


Date: 24.FEB.2023 10:40:56



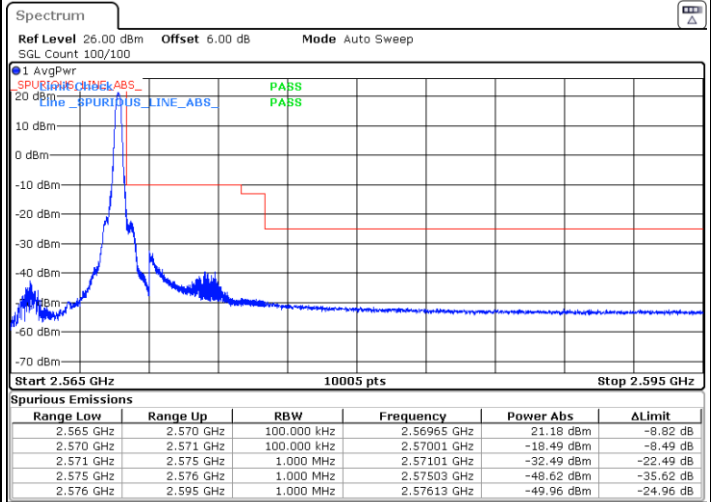
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



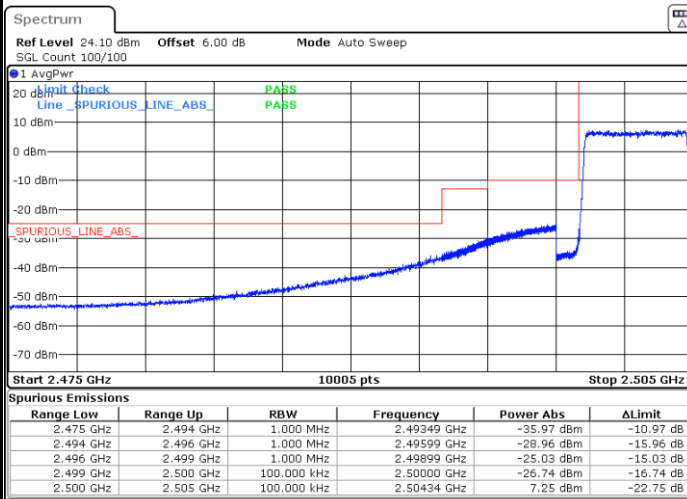
Date: 24.FEB.2023 10:30:55

Highest Band Edge / 1 RB



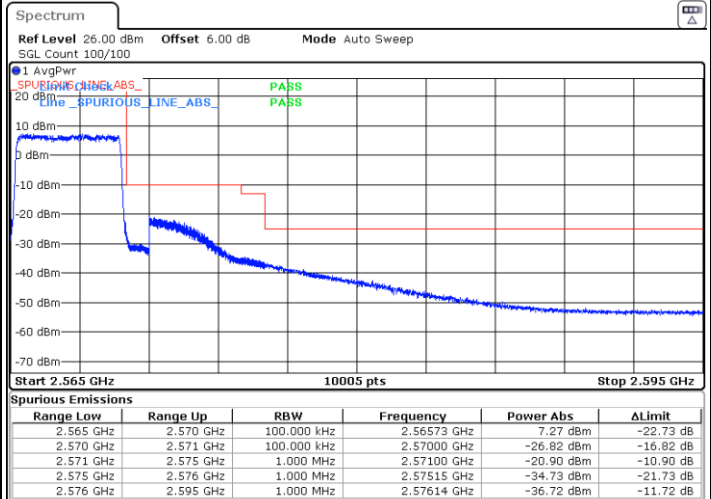
Date: 24.FEB.2023 10:39:37

Lowest Band Edge / Full RB



Date: 24.FEB.2023 10:32:30

Highest Band Edge / Full RB

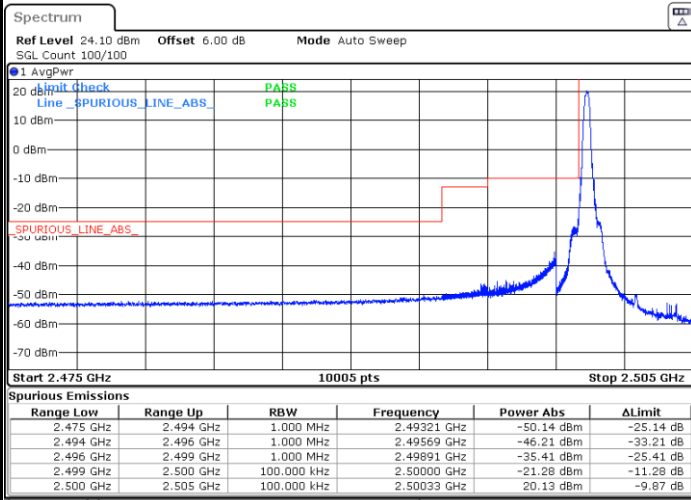


Date: 24.FEB.2023 10:41:19



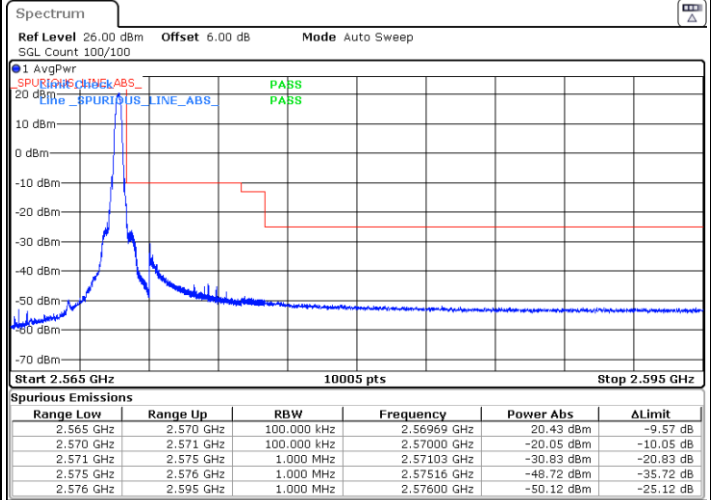
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



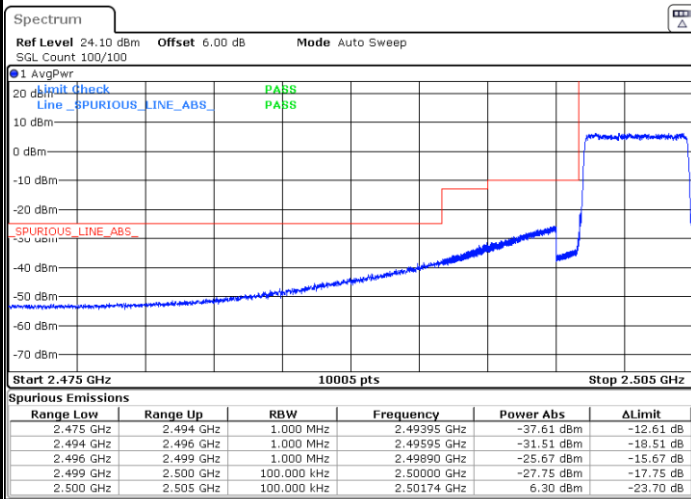
Date: 24.FEB.2023 10:31:37

Highest Band Edge / 1 RB



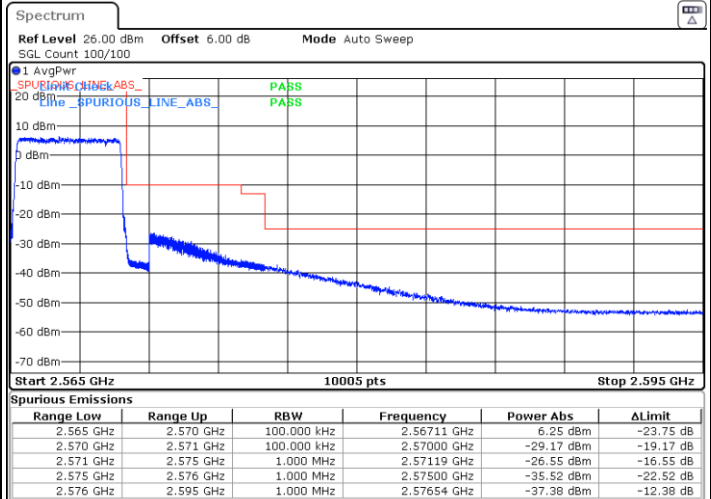
Date: 24.FEB.2023 10:40:25

Lowest Band Edge / Full RB



Date: 24.FEB.2023 10:33:24

Highest Band Edge / Full RB



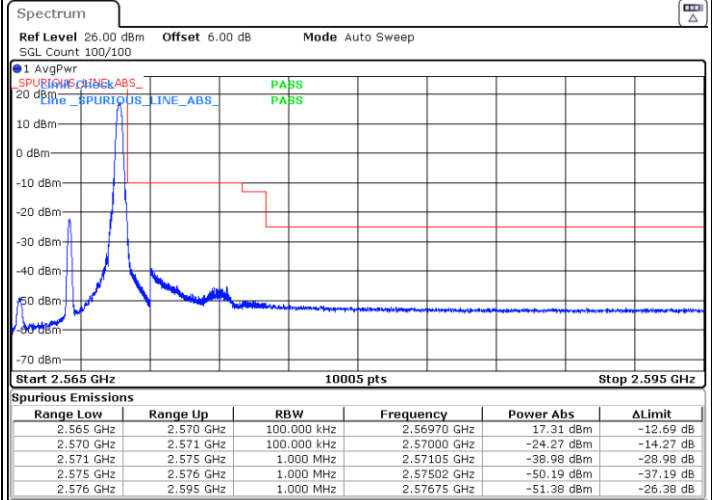
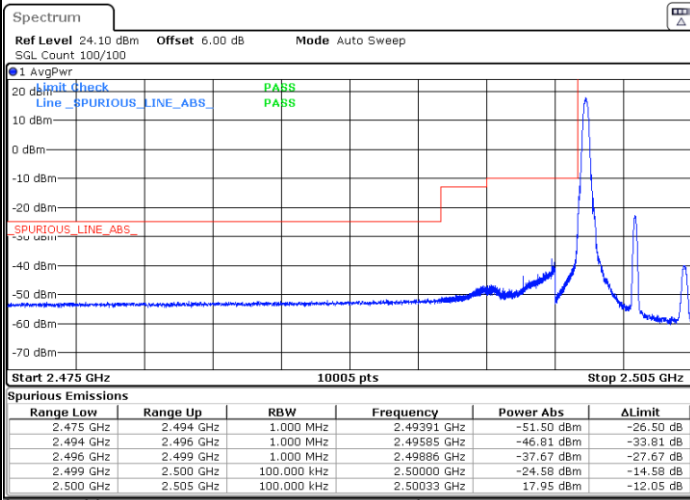
Date: 24.FEB.2023 10:42:07



LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

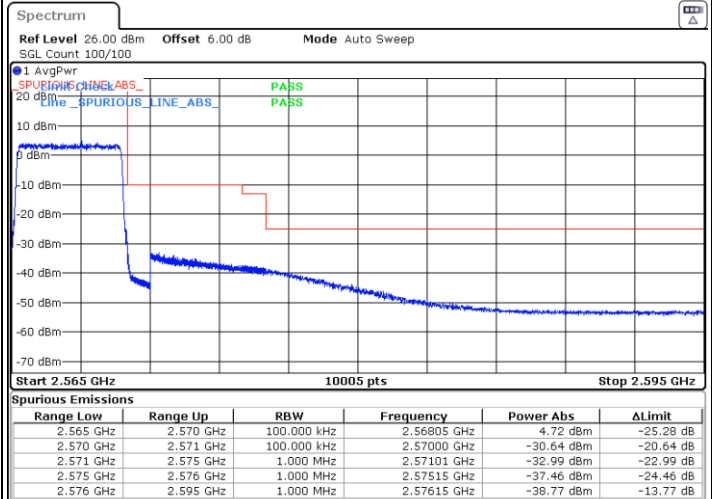
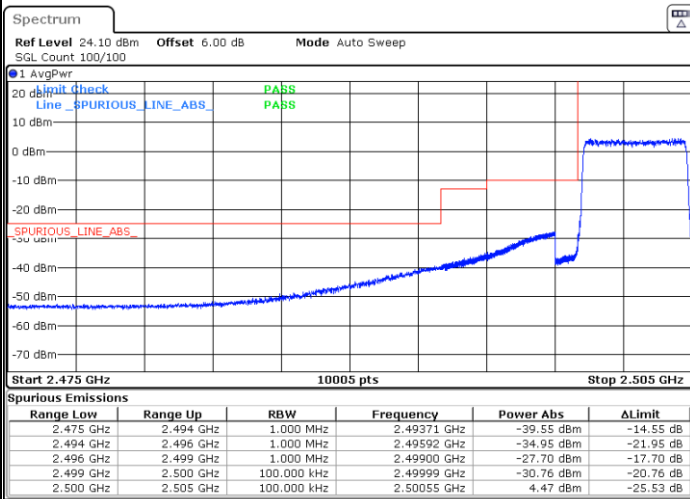


Date: 24.FEB.2023 10:31:14

Date: 24.FEB.2023 10:39:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.FEB.2023 10:32:53

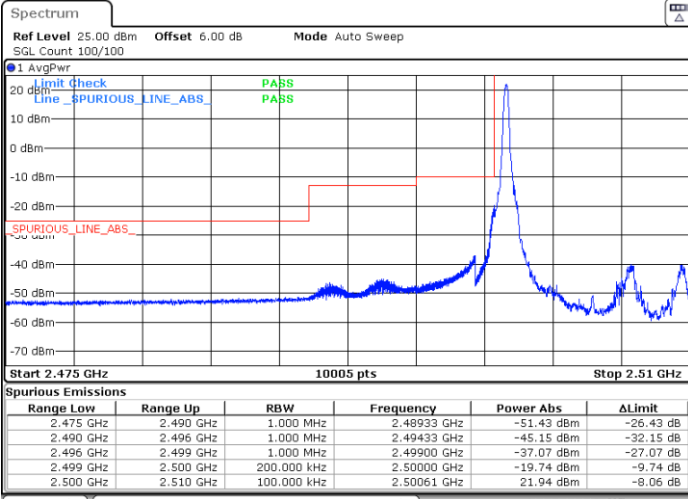
Date: 24.FEB.2023 10:41:39



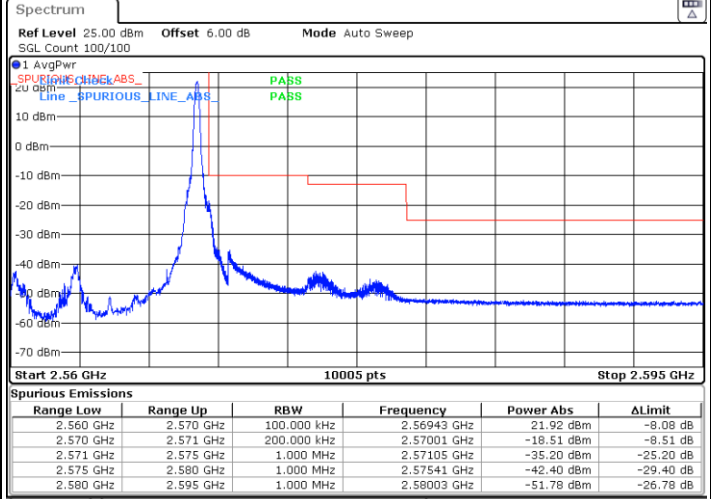
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



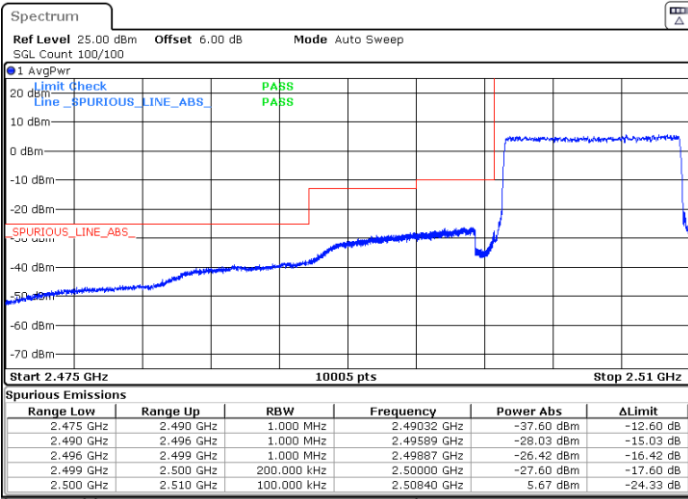
Date: 24.FEB.2023 10:44:09



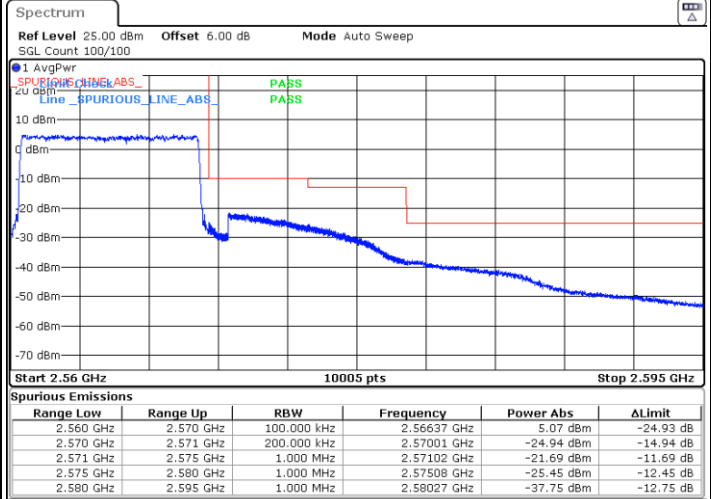
Date: 24.FEB.2023 10:58:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.FEB.2023 10:51:06



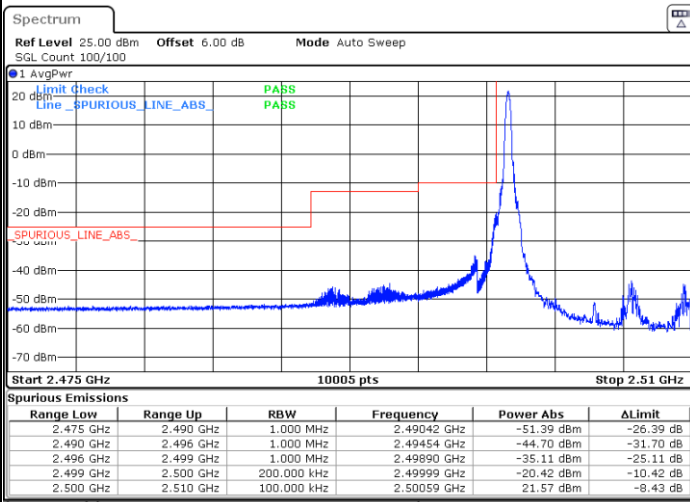
Date: 24.FEB.2023 11:00:09



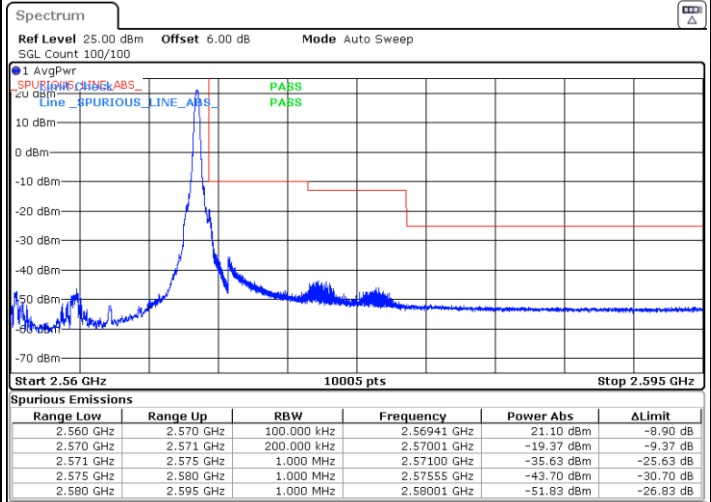
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



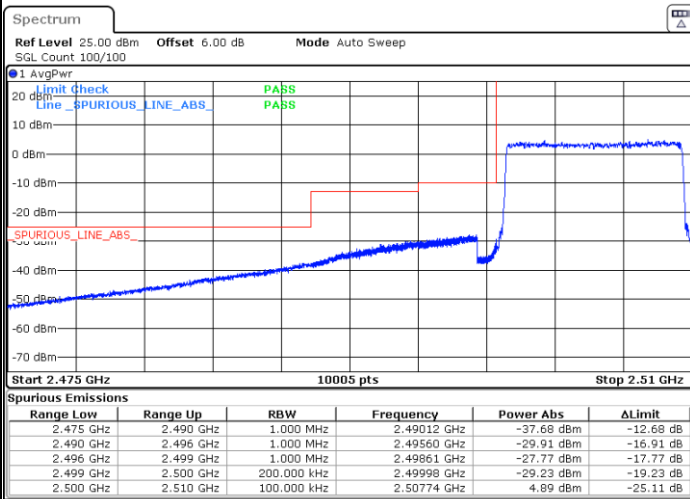
Date: 24.FEB.2023 10:46:16



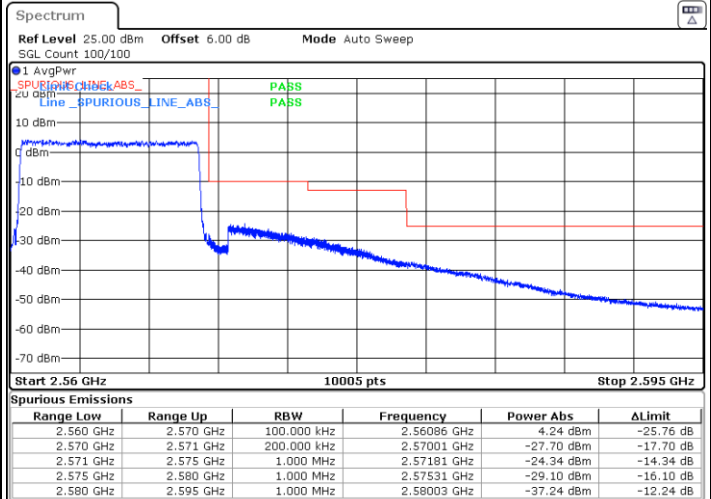
Date: 24.FEB.2023 10:58:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.FEB.2023 10:51:21

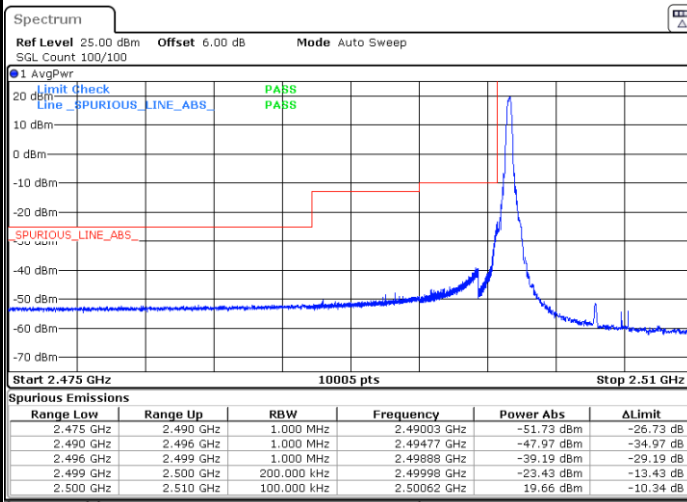


Date: 24.FEB.2023 11:01:55



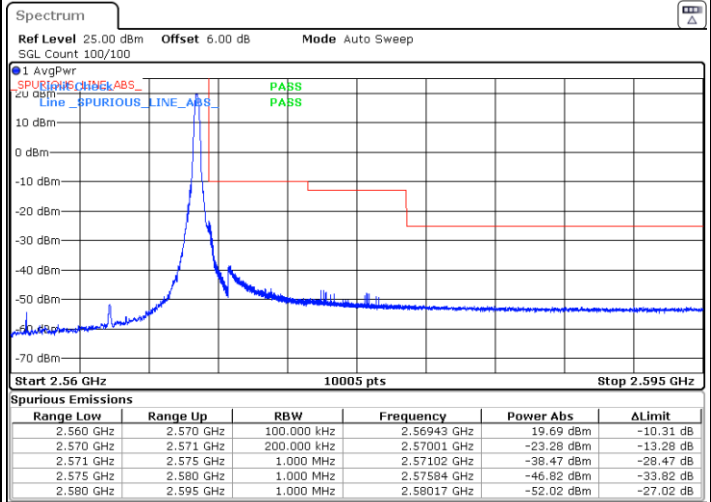
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



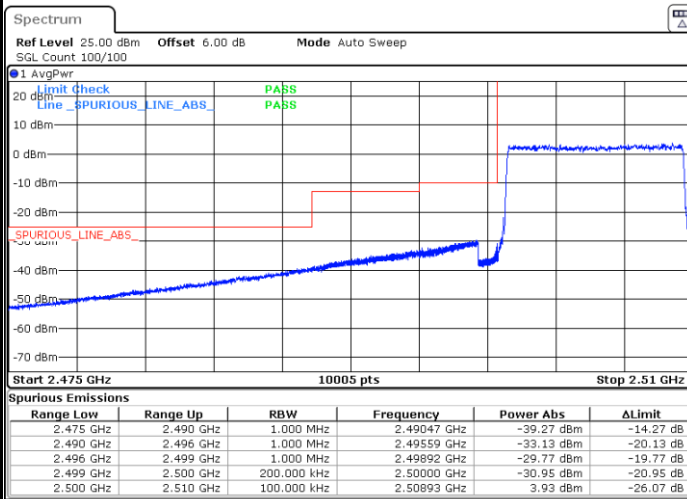
Date: 24.FEB.2023 10:48:31

Highest Band Edge / 1 RB



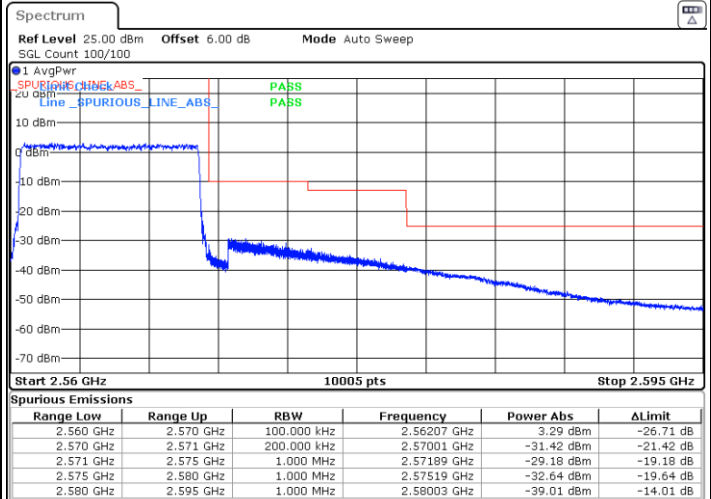
Date: 24.FEB.2023 10:59:36

Lowest Band Edge / Full RB



Date: 24.FEB.2023 10:53:42

Highest Band Edge / Full RB



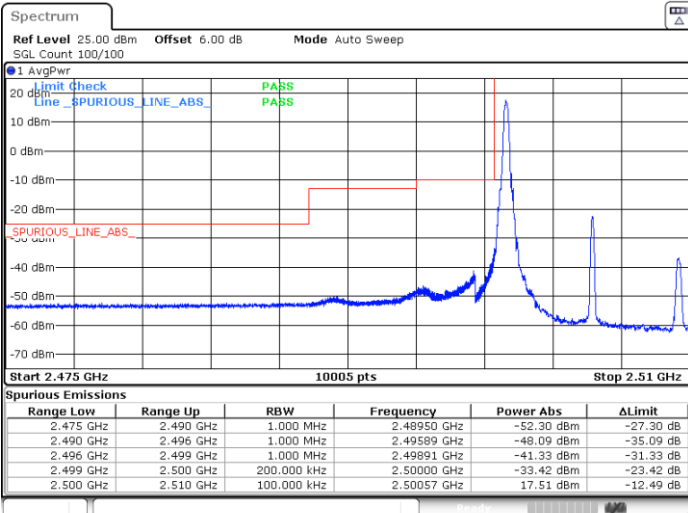
Date: 24.FEB.2023 11:04:04



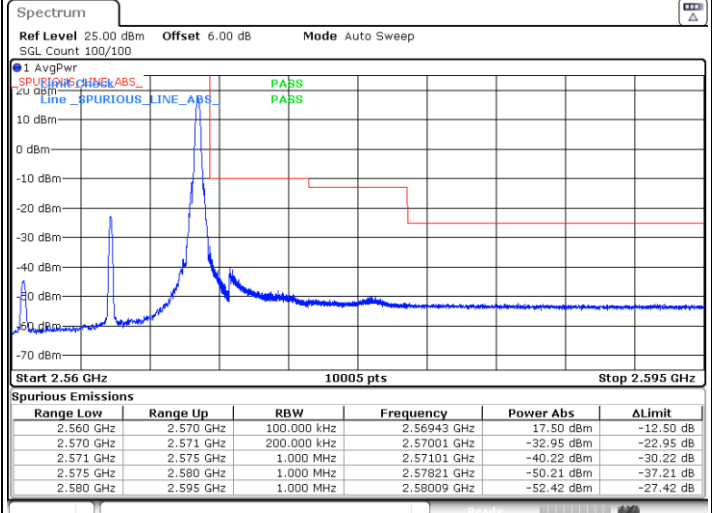
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



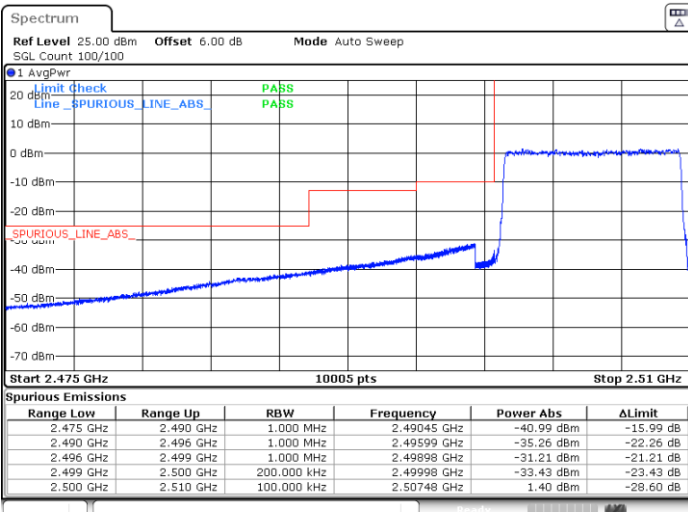
Date: 24.FEB.2023 10:47:45



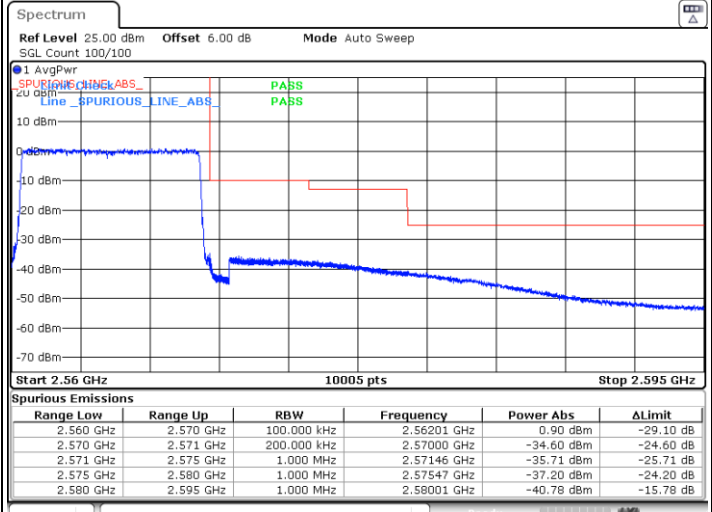
Date: 24.FEB.2023 10:58:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.FEB.2023 10:53:14



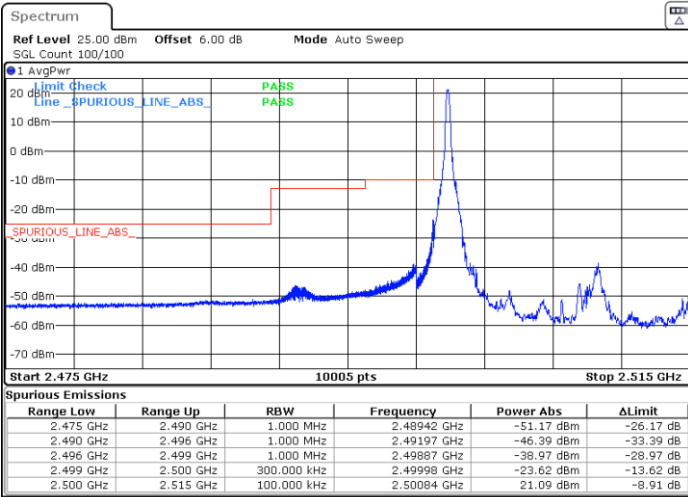
Date: 24.FEB.2023 11:02:12



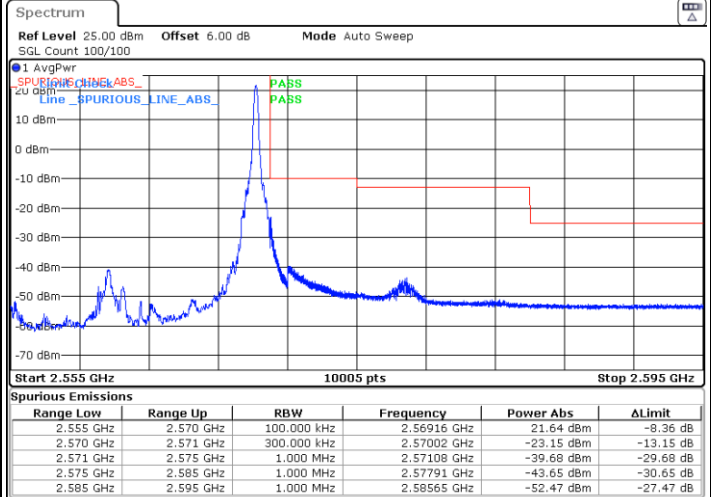
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



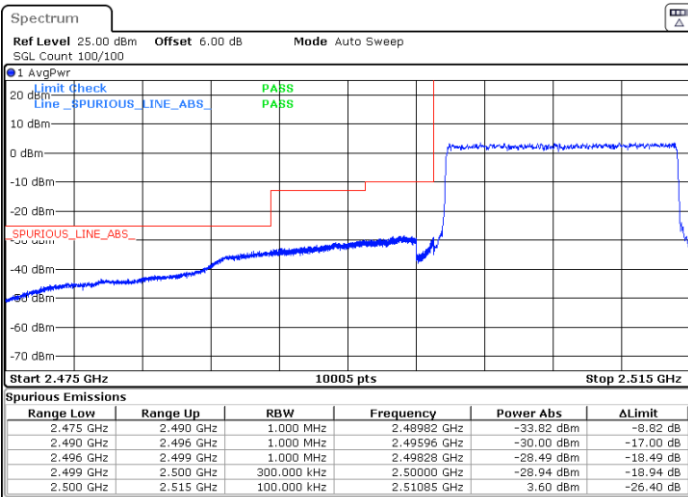
Date: 24.FEB.2023 11:12:15



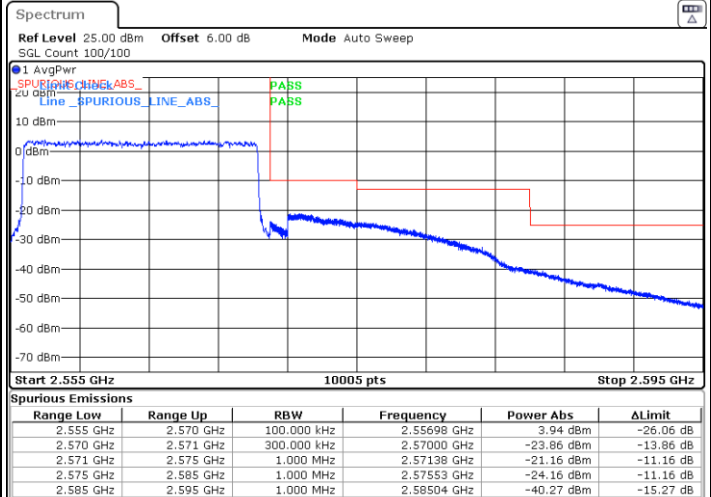
Date: 24.FEB.2023 11:18:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.FEB.2023 11:13:43

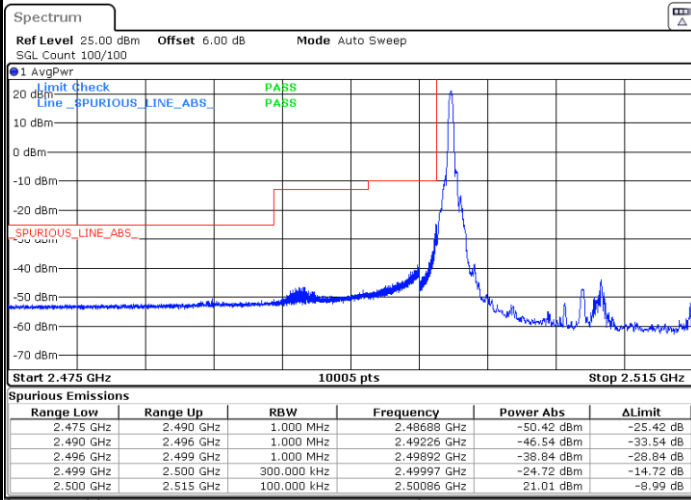


Date: 24.FEB.2023 11:20:22



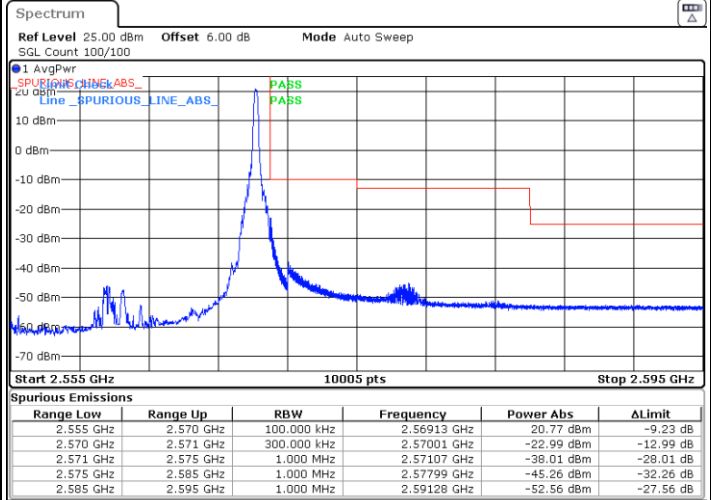
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



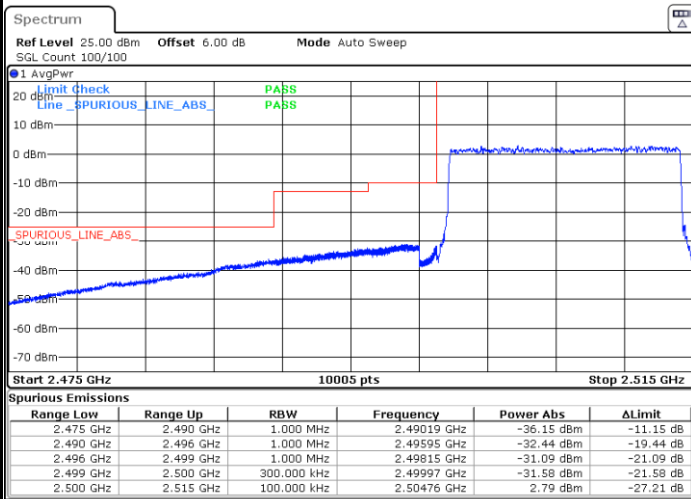
Date: 24.FEB.2023 11:12:33

Highest Band Edge / 1 RB



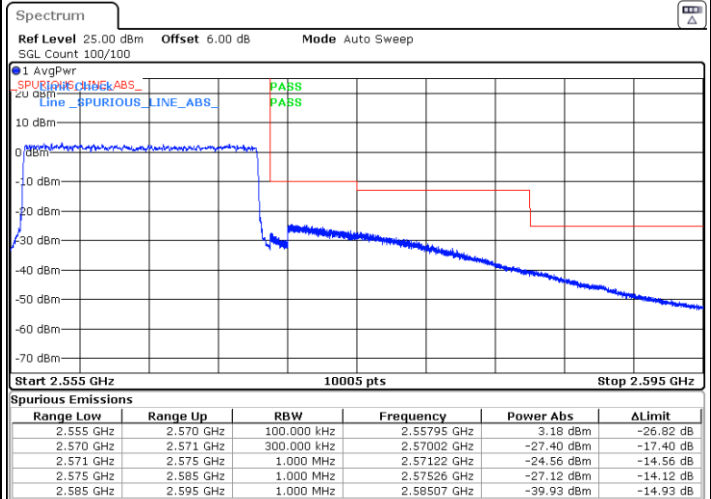
Date: 24.FEB.2023 11:18:44

Lowest Band Edge / Full RB



Date: 24.FEB.2023 11:13:58

Highest Band Edge / Full RB

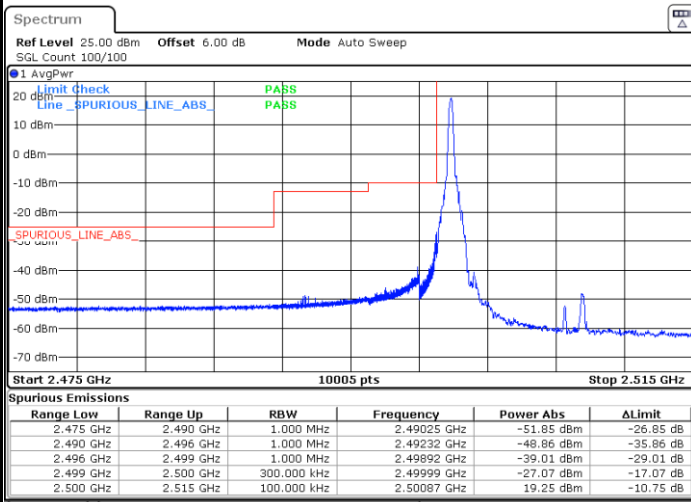


Date: 24.FEB.2023 11:20:59

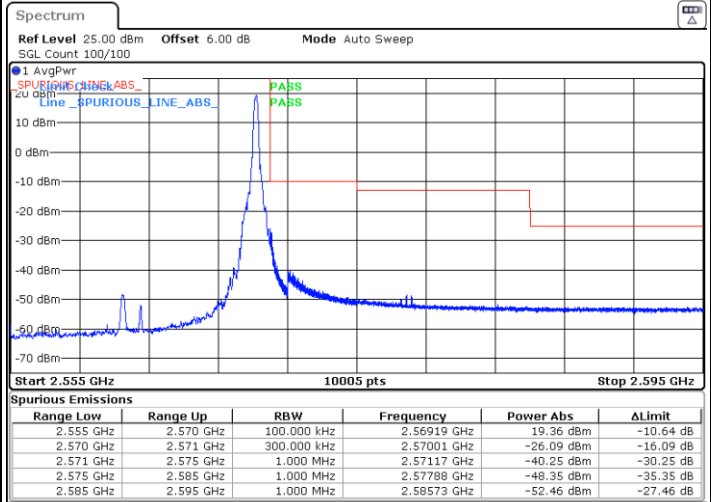


LTE Band 7 / 15MHz / 64QAM

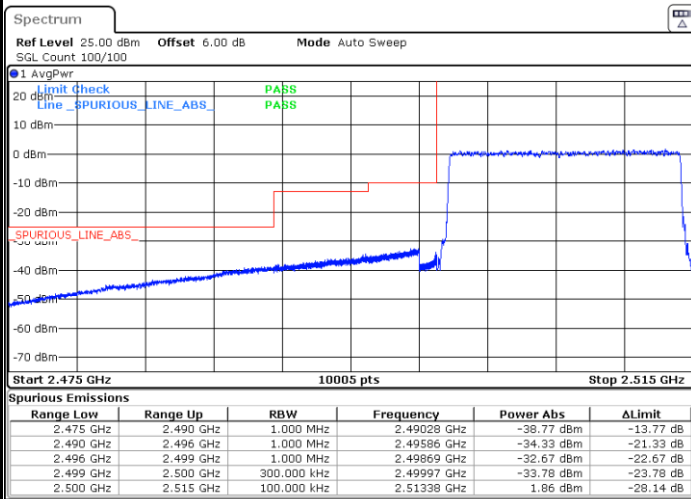
Lowest Band Edge / 1 RB



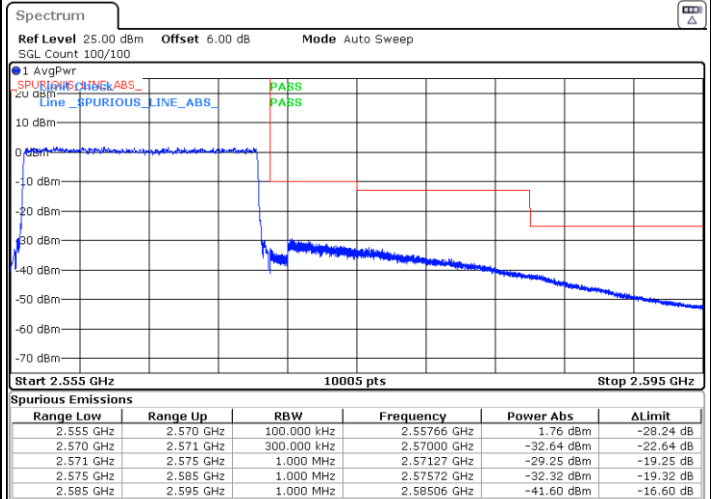
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



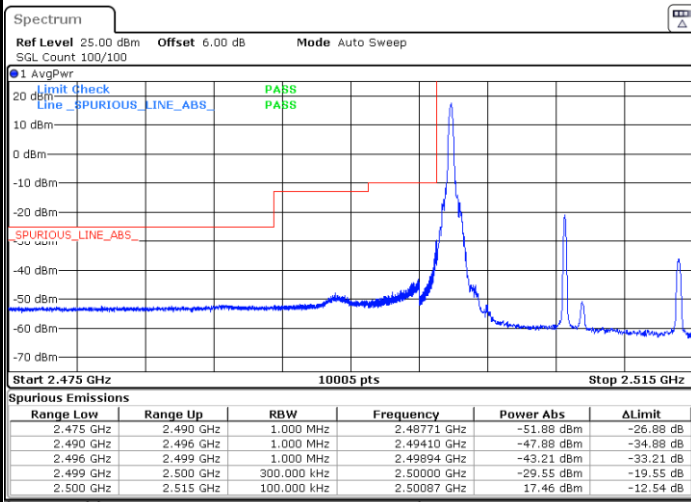
Highest Band Edge / Full RB





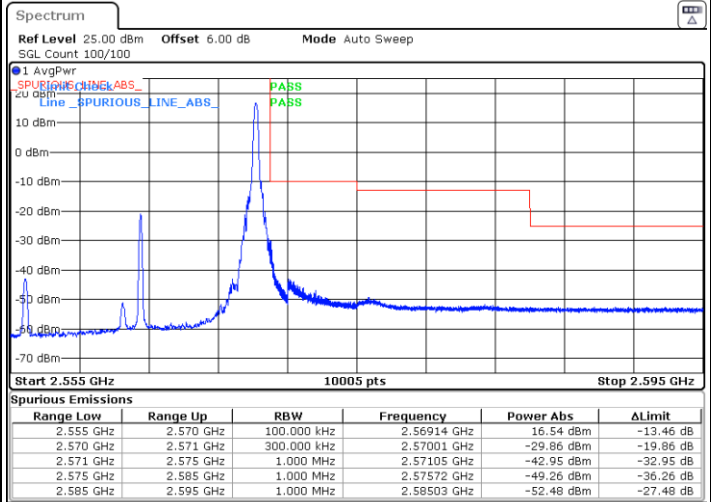
LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



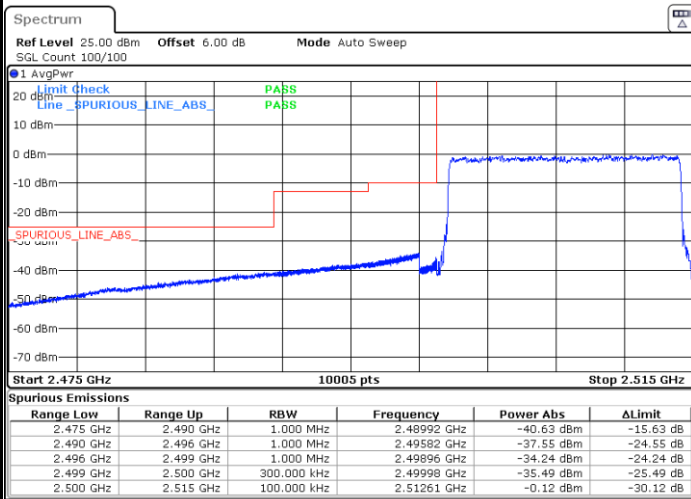
Date: 24.FEB.2023 11:12:51

Highest Band Edge / 1 RB



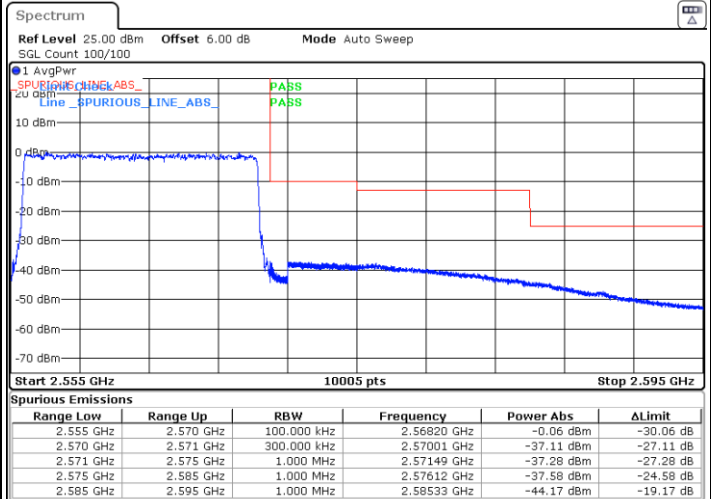
Date: 24.FEB.2023 11:19:07

Lowest Band Edge / Full RB



Date: 24.FEB.2023 11:14:14

Highest Band Edge / Full RB

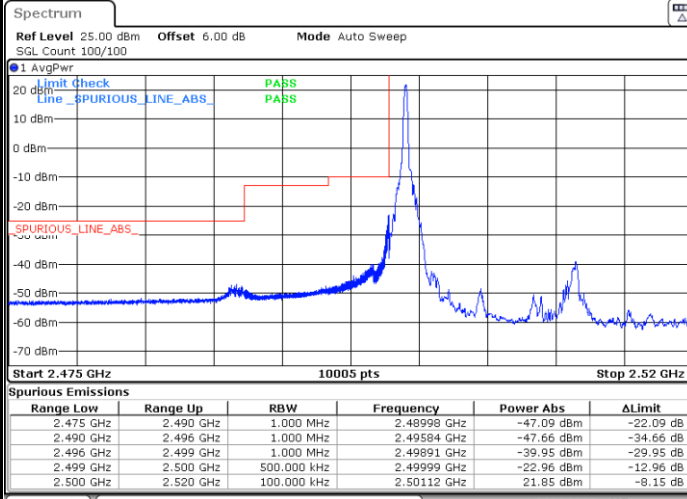


Date: 24.FEB.2023 11:21:19



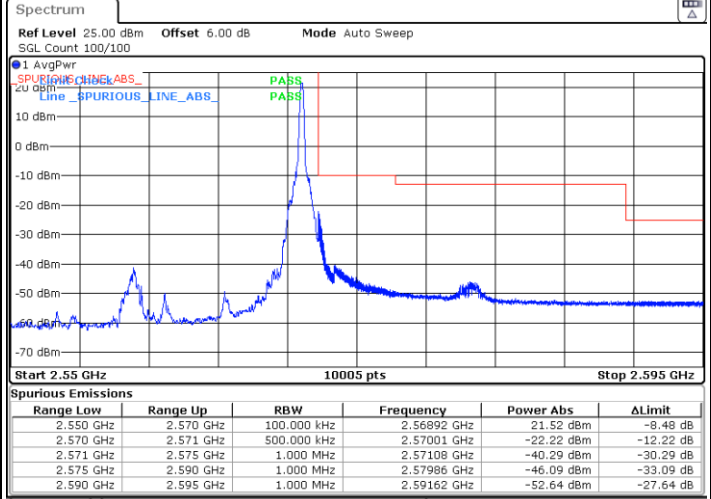
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



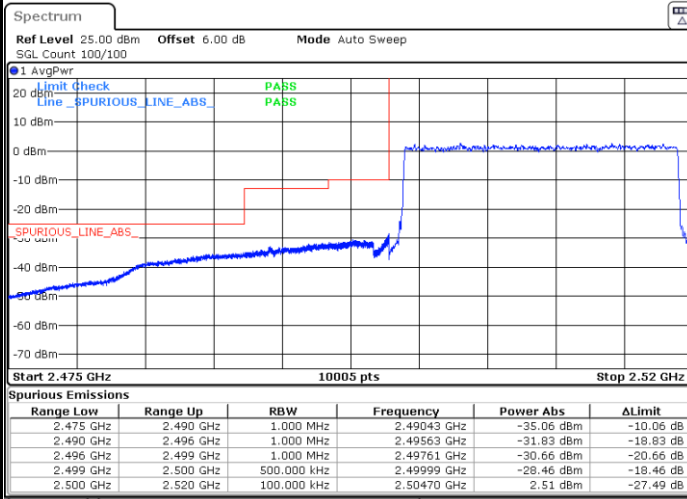
Date: 24.FEB.2023 11:24:02

Highest Band Edge / 1 RB



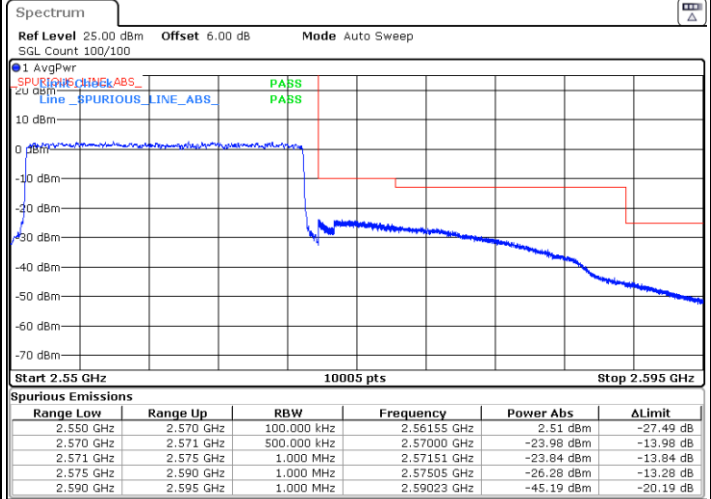
Date: 24.FEB.2023 11:36:28

Lowest Band Edge / Full RB



Date: 24.FEB.2023 11:27:15

Highest Band Edge / Full RB

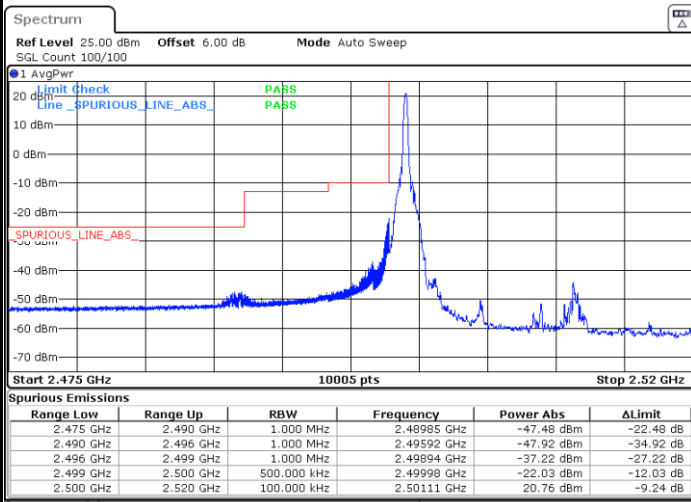


Date: 24.FEB.2023 11:38:08



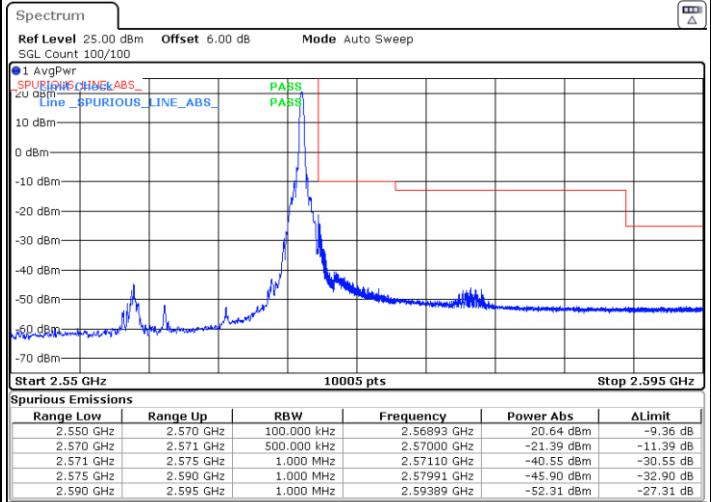
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



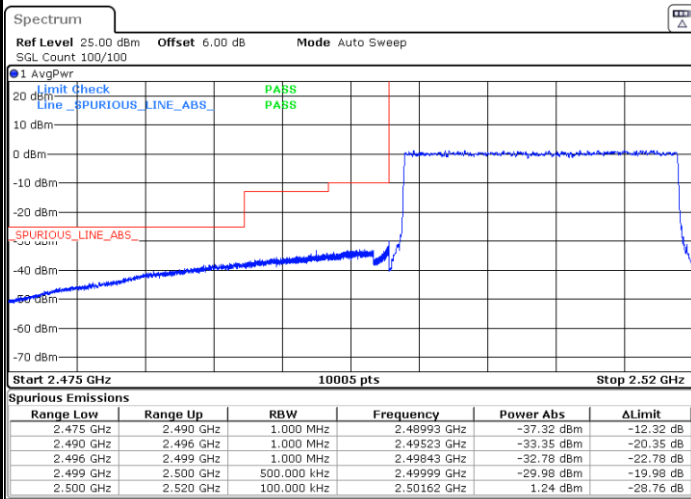
Date: 24.FEB.2023 11:24:19

Highest Band Edge / 1 RB



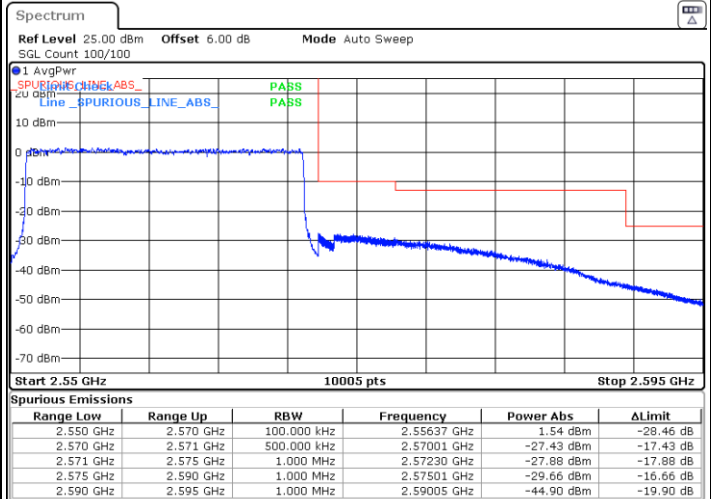
Date: 24.FEB.2023 11:36:45

Lowest Band Edge / Full RB



Date: 24.FEB.2023 11:27:33

Highest Band Edge / Full RB

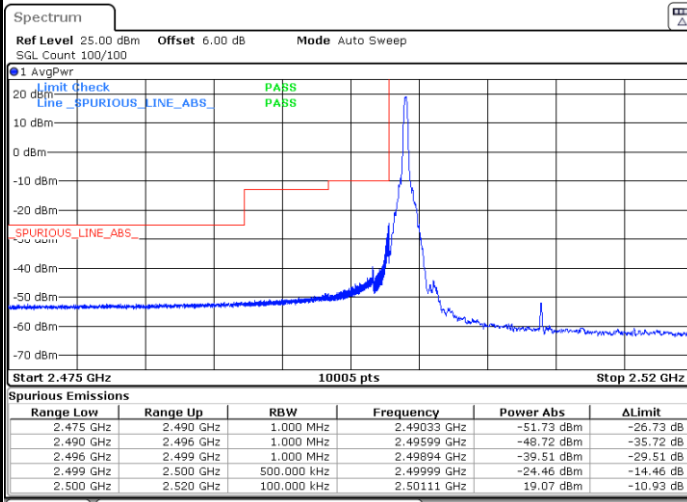


Date: 24.FEB.2023 11:38:23



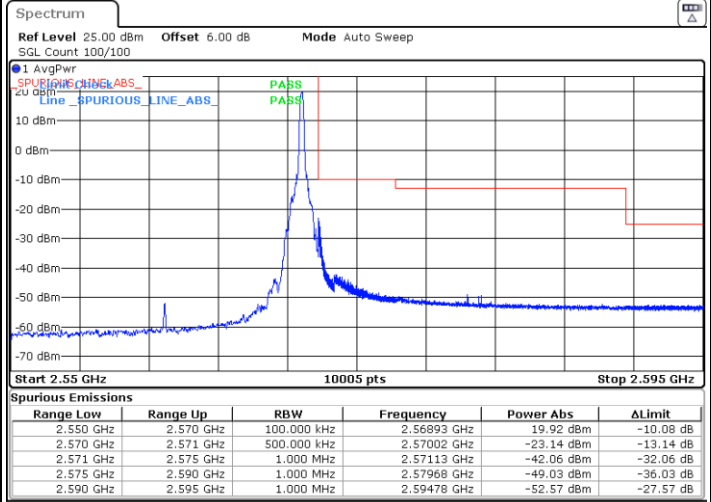
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



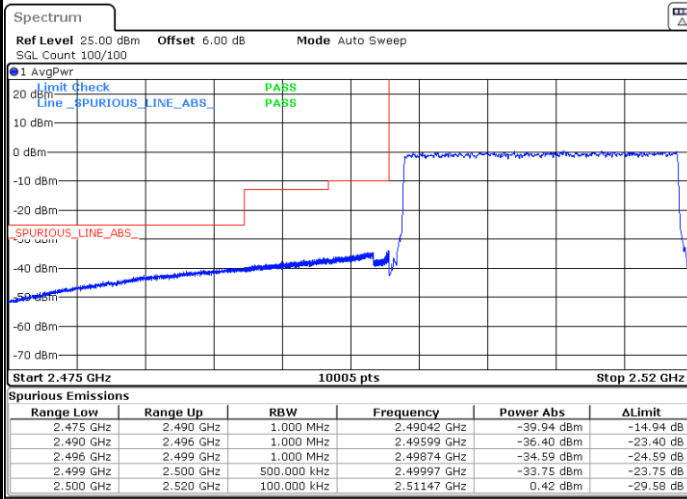
Date: 24.FEB.2023 11:26:53

Highest Band Edge / 1 RB



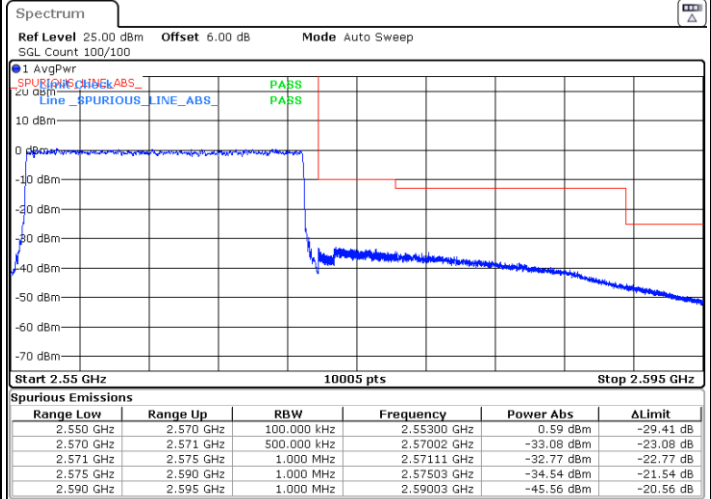
Date: 24.FEB.2023 11:37:33

Lowest Band Edge / Full RB



Date: 24.FEB.2023 11:28:21

Highest Band Edge / Full RB



Date: 24.FEB.2023 11:39:11