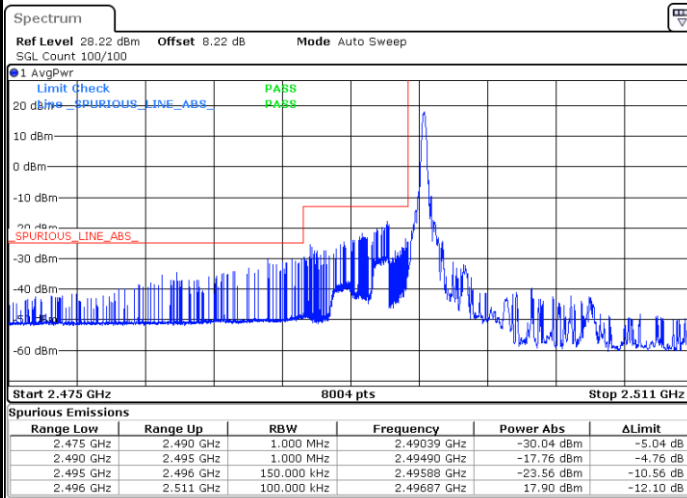




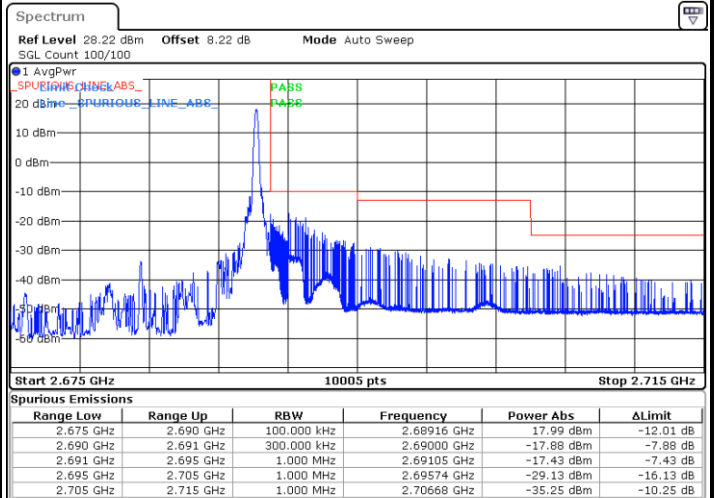
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



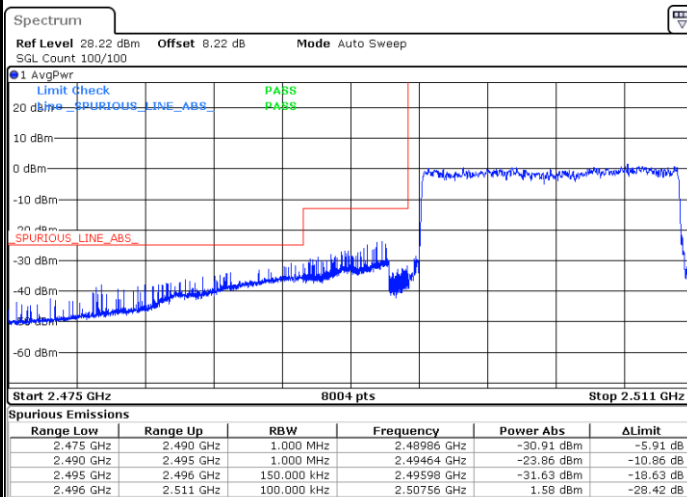
Date: 5.OCT.2023 00:40:13

Highest Band Edge / 1 RB



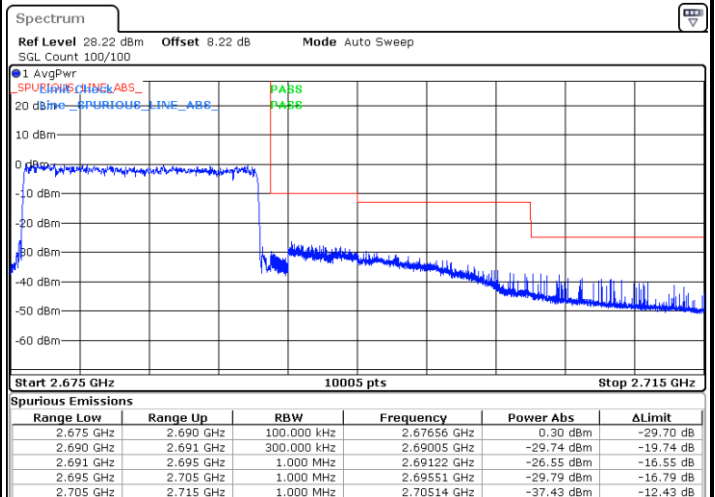
Date: 5.OCT.2023 00:49:45

Lowest Band Edge / Full RB



Date: 5.OCT.2023 00:43:17

Highest Band Edge / Full RB

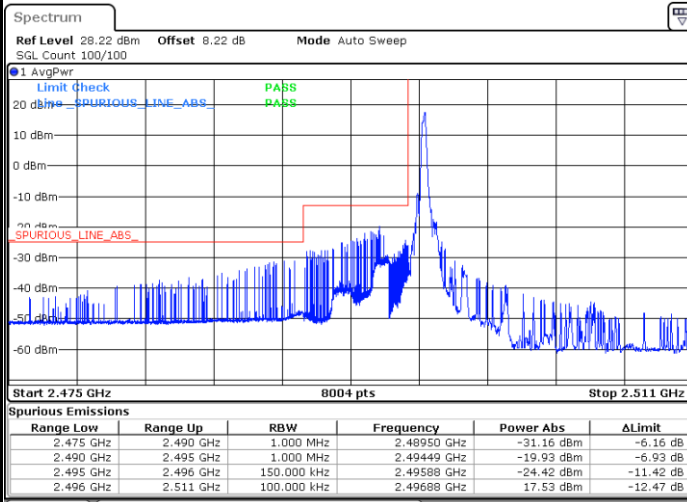


Date: 5.OCT.2023 01:18:13



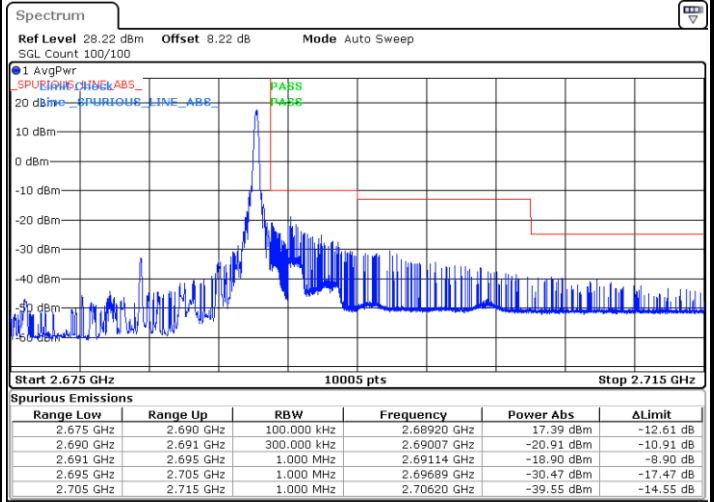
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



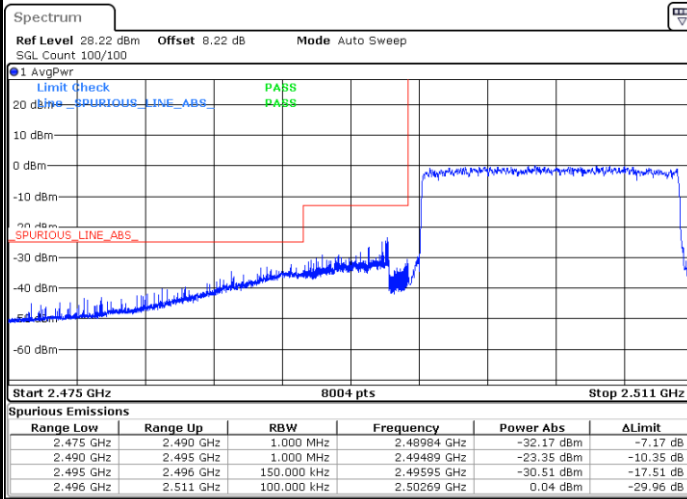
Date: 5.OCT.2023 00:41:23

Highest Band Edge / 1 RB



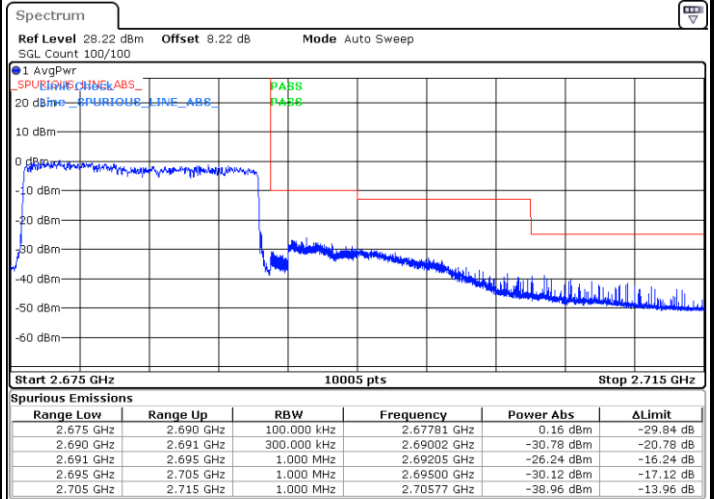
Date: 5.OCT.2023 00:50:21

Lowest Band Edge / Full RB



Date: 5.OCT.2023 00:43:54

Highest Band Edge / Full RB

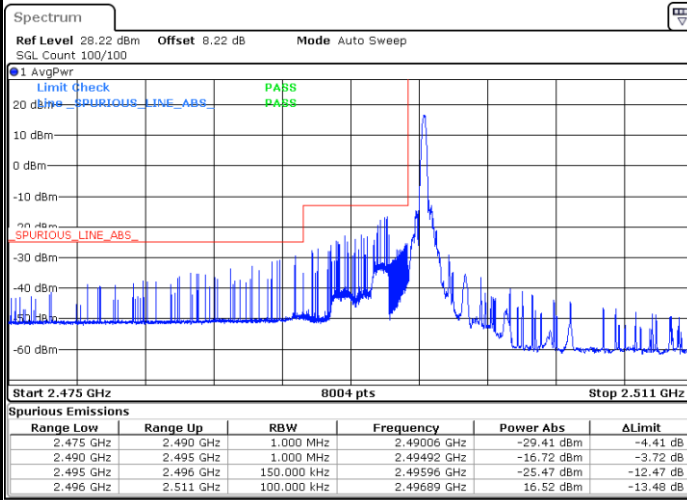


Date: 5.OCT.2023 00:54:16



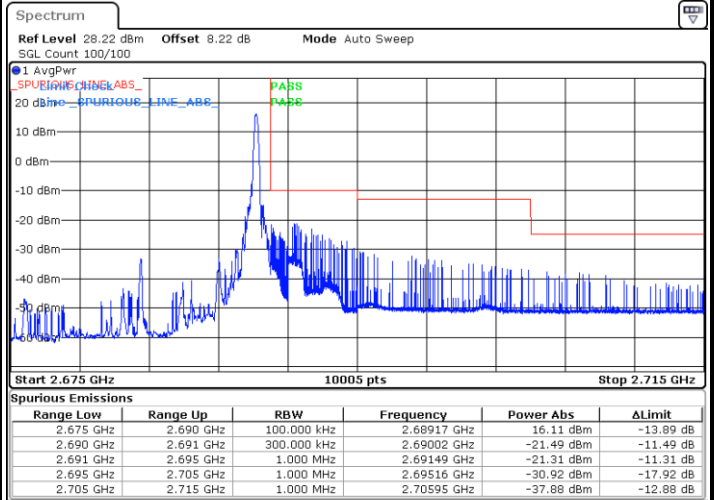
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



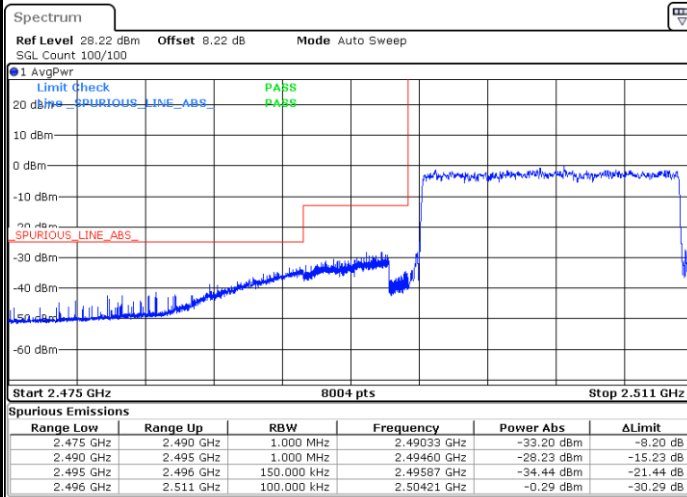
Date: 5.OCT.2023 00:42:01

Highest Band Edge / 1 RB



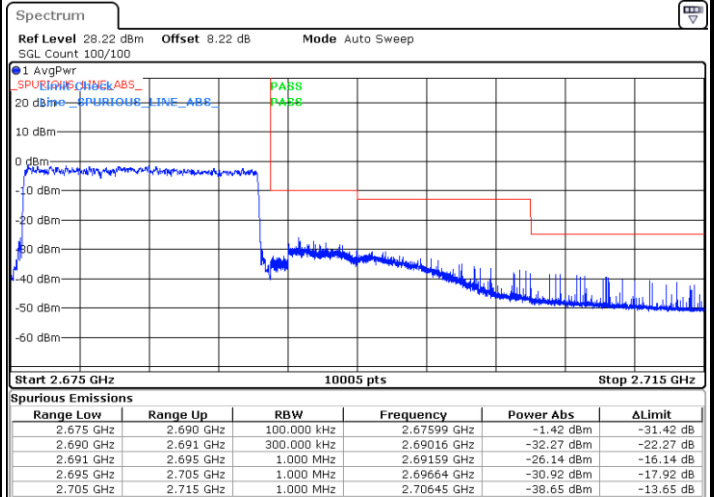
Date: 5.OCT.2023 00:50:57

Lowest Band Edge / Full RB



Date: 5.OCT.2023 00:44:32

Highest Band Edge / Full RB

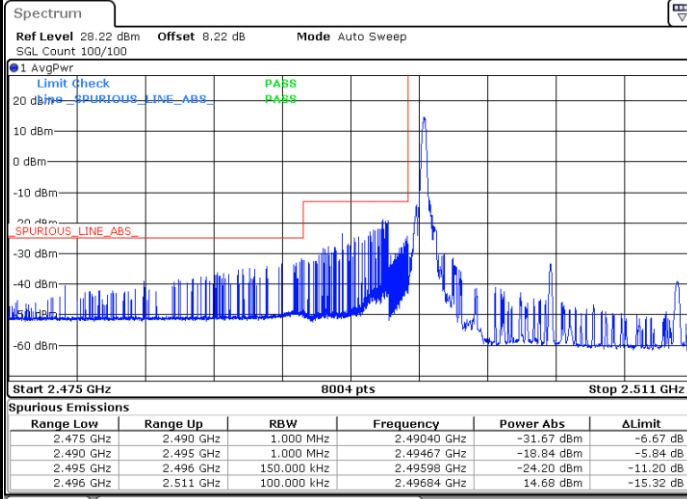


Date: 5.OCT.2023 00:54:51



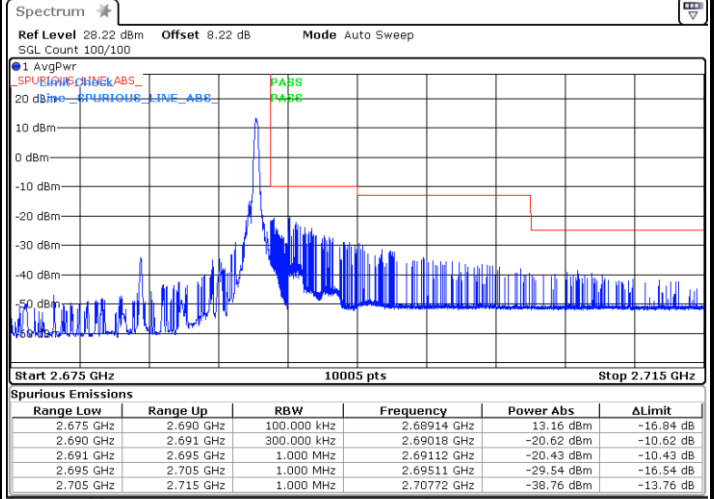
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



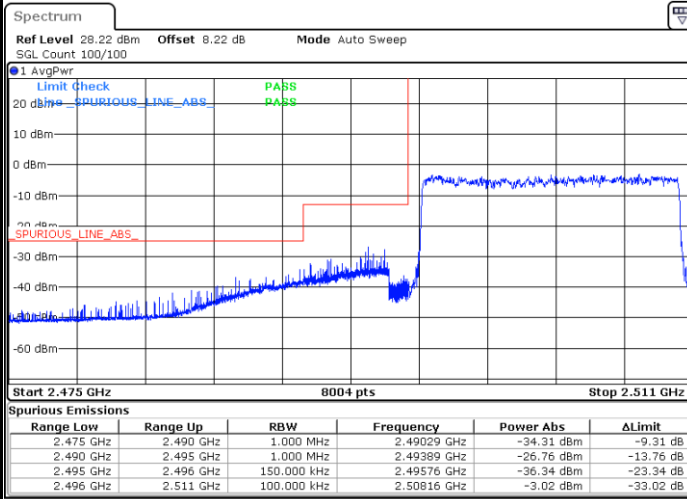
Date: 5.OCT.2023 00:42:39

Highest Band Edge / 1 RB



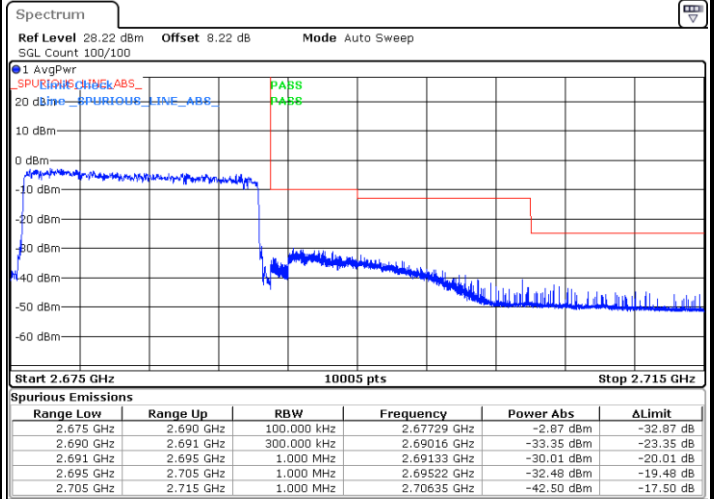
Date: 5.OCT.2023 01:19:48

Lowest Band Edge / Full RB



Date: 5.OCT.2023 00:45:10

Highest Band Edge / Full RB

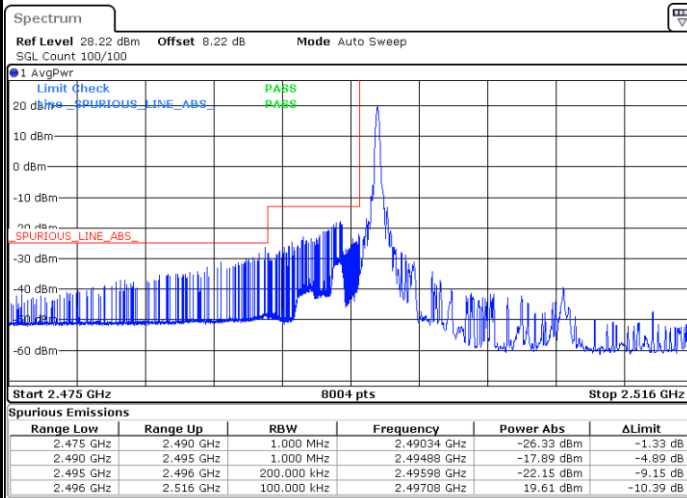


Date: 5.OCT.2023 01:18:58



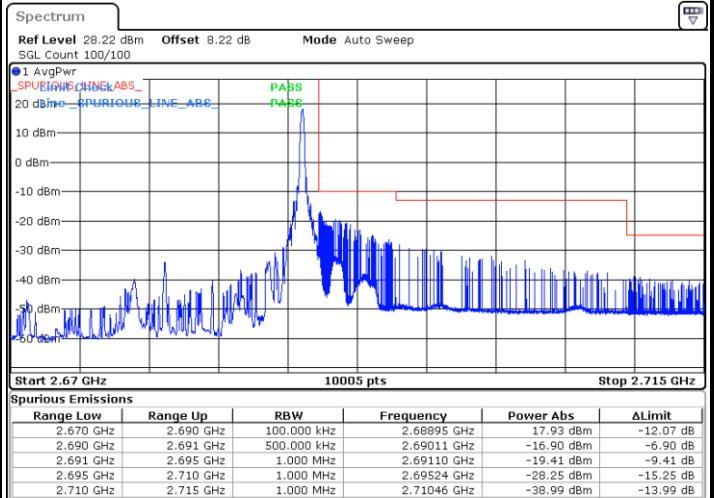
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



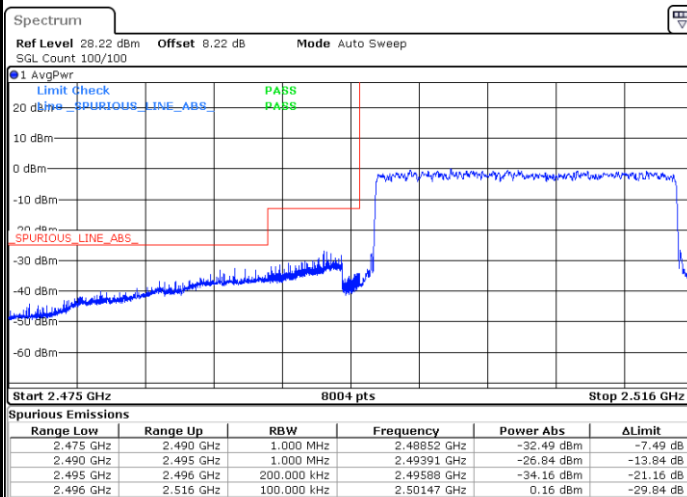
Date: 5.OCT.2023 00:57:51

Highest Band Edge / 1 RB



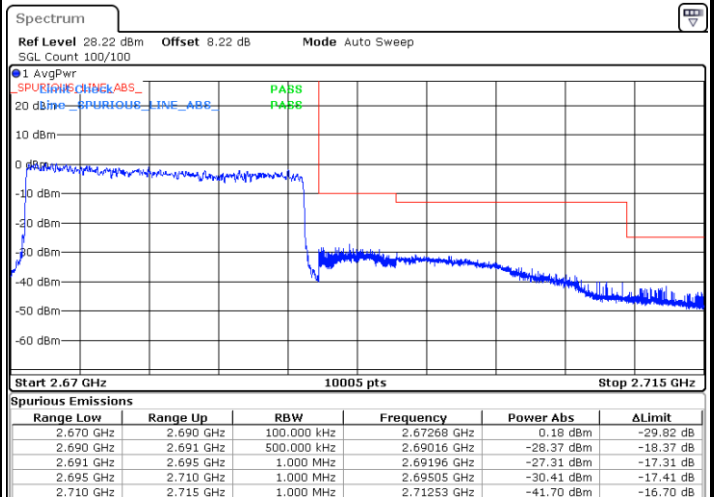
Date: 5.OCT.2023 01:05:36

Lowest Band Edge / Full RB



Date: 5.OCT.2023 01:00:23

Highest Band Edge / Full RB

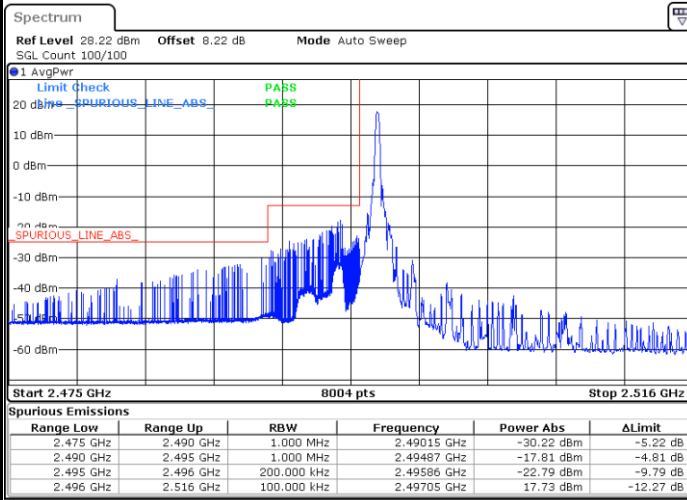


Date: 5.OCT.2023 01:08:00



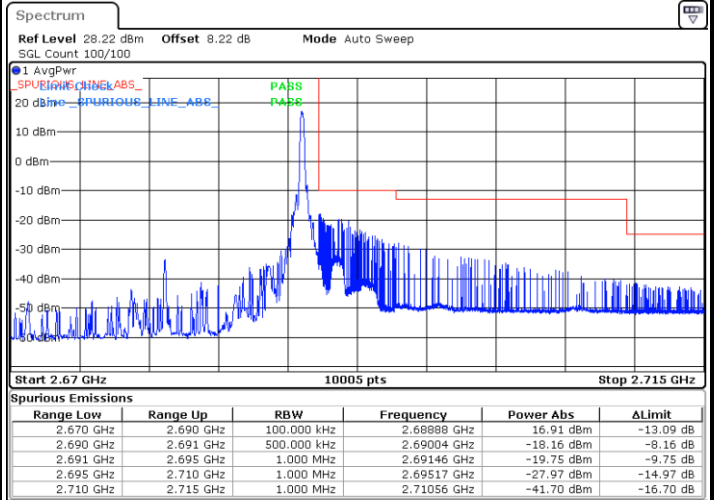
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



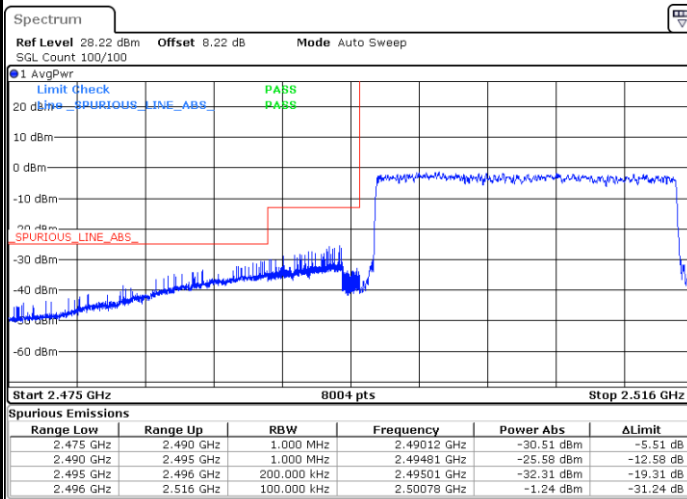
Date: 5.OCT.2023 00:58:29

Highest Band Edge / 1 RB



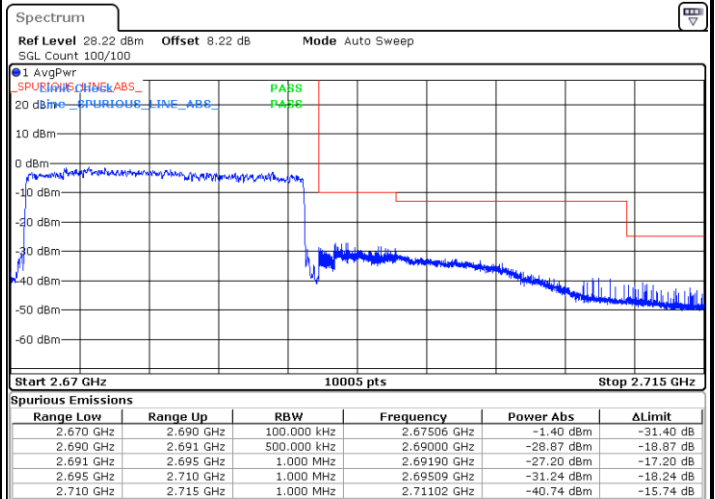
Date: 5.OCT.2023 01:06:12

Lowest Band Edge / Full RB



Date: 5.OCT.2023 01:01:01

Highest Band Edge / Full RB

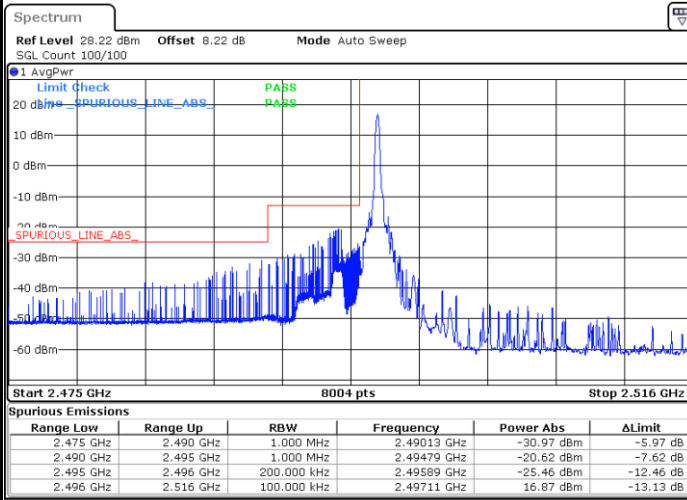


Date: 5.OCT.2023 01:08:36



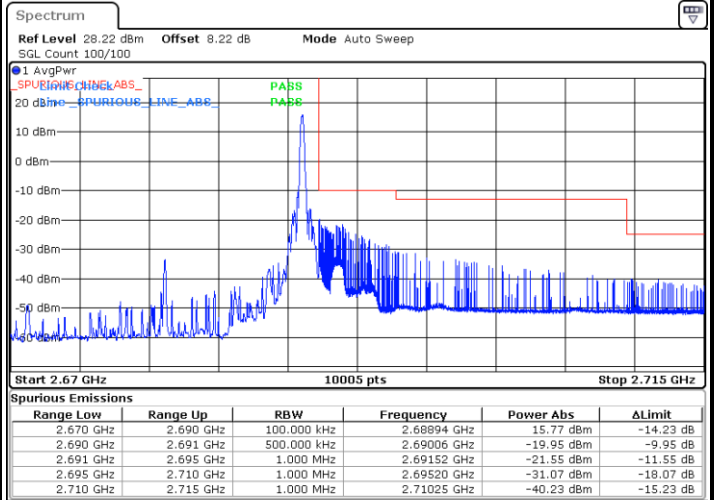
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



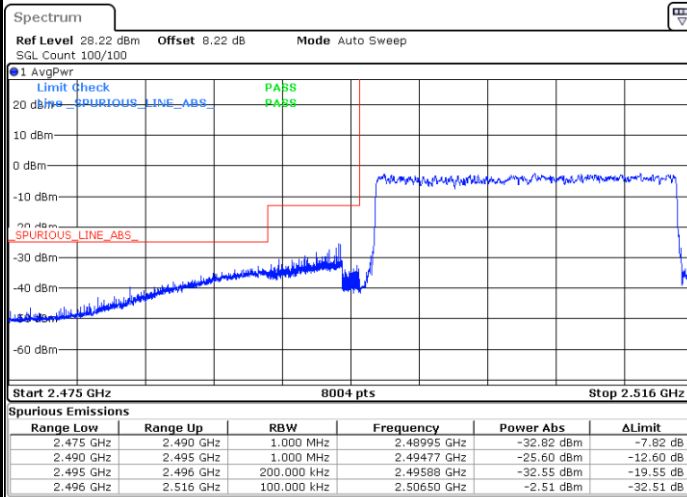
Date: 5.OCT.2023 00:59:07

Highest Band Edge / 1 RB



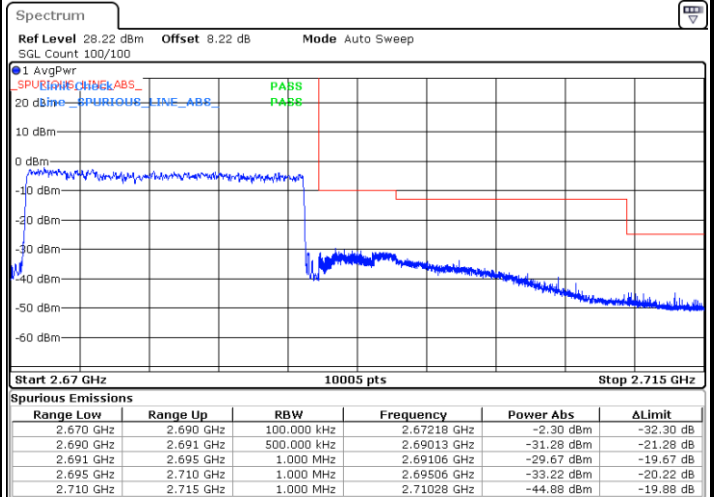
Date: 5.OCT.2023 01:06:48

Lowest Band Edge / Full RB



Date: 5.OCT.2023 01:01:39

Highest Band Edge / Full RB

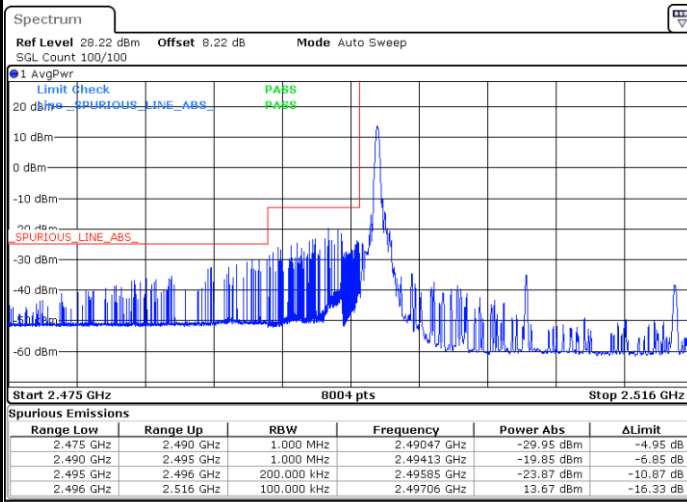


Date: 5.OCT.2023 01:09:11



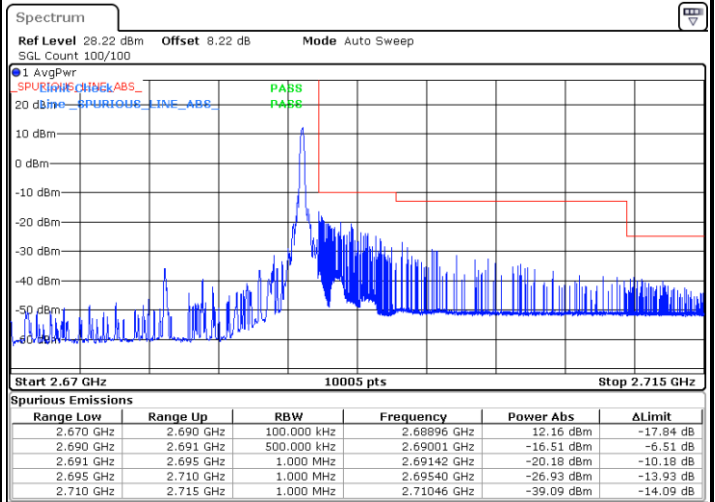
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



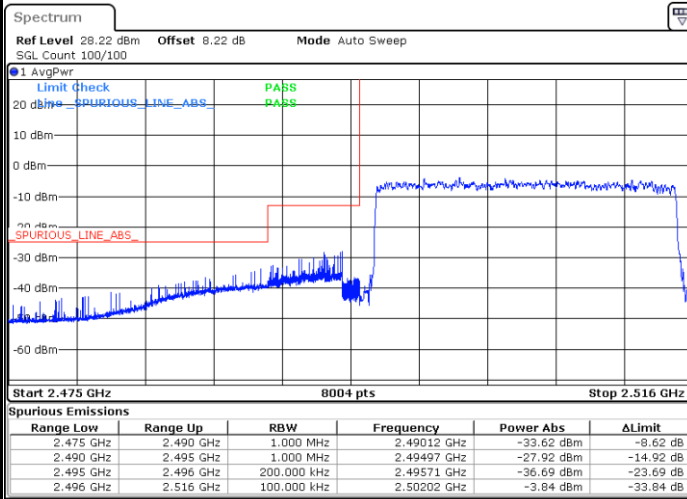
Date: 5.OCT.2023 00:59:45

Highest Band Edge / 1 RB



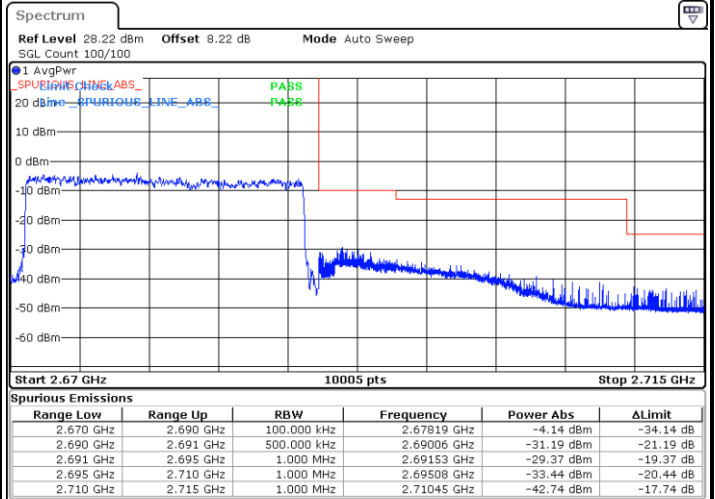
Date: 5.OCT.2023 01:07:23

Lowest Band Edge / Full RB



Date: 5.OCT.2023 01:02:17

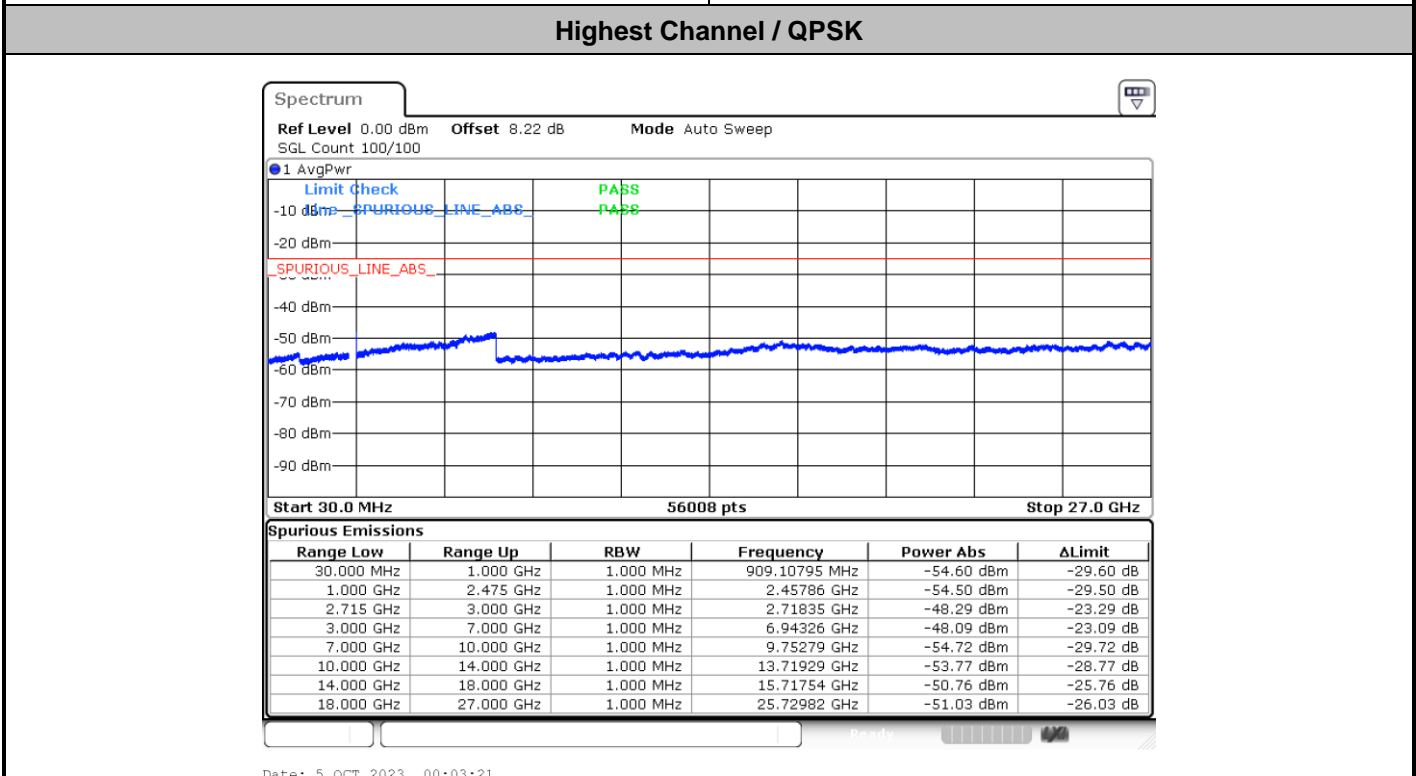
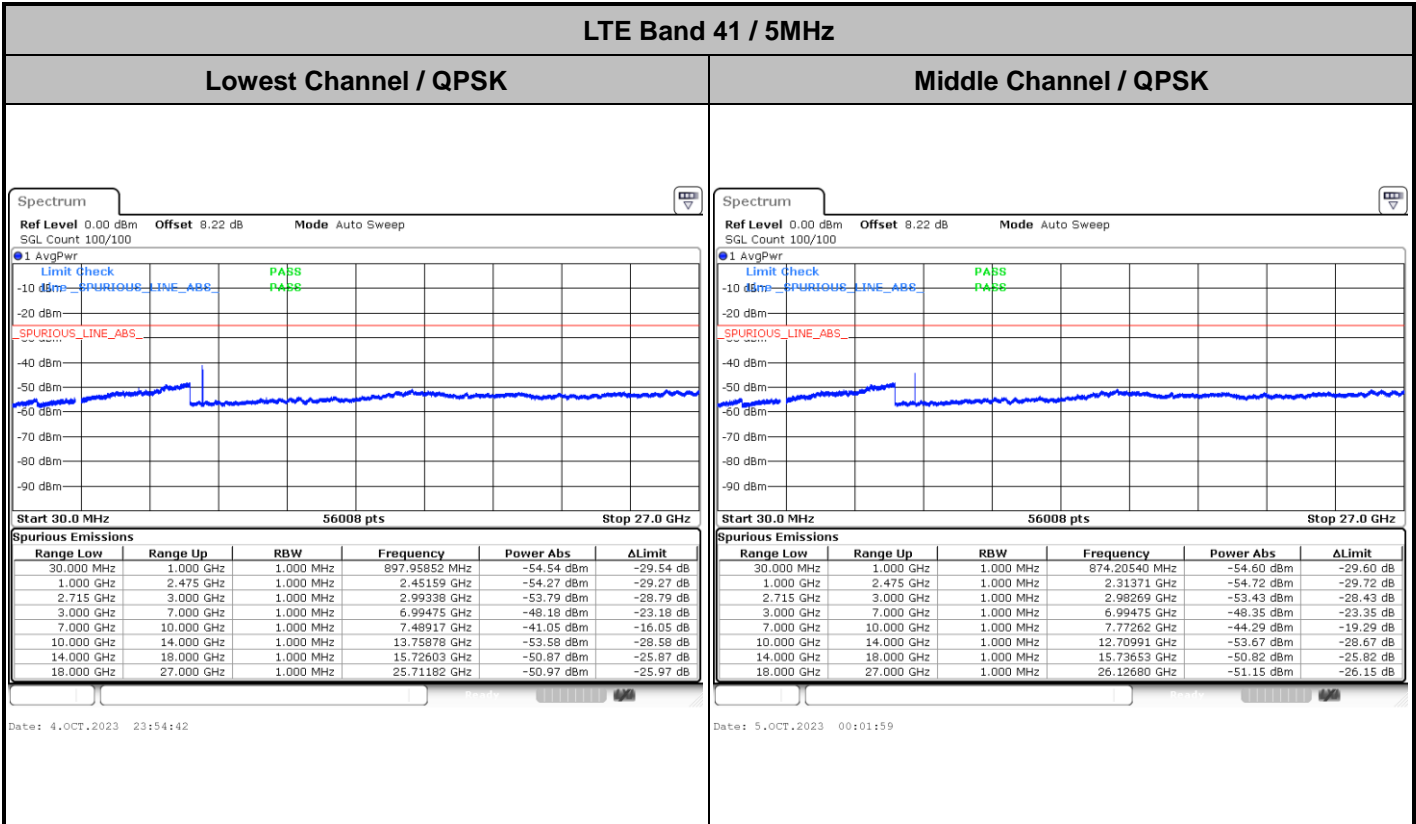
Highest Band Edge / Full RB



Date: 5.OCT.2023 01:09:47



Conducted Spurious Emission

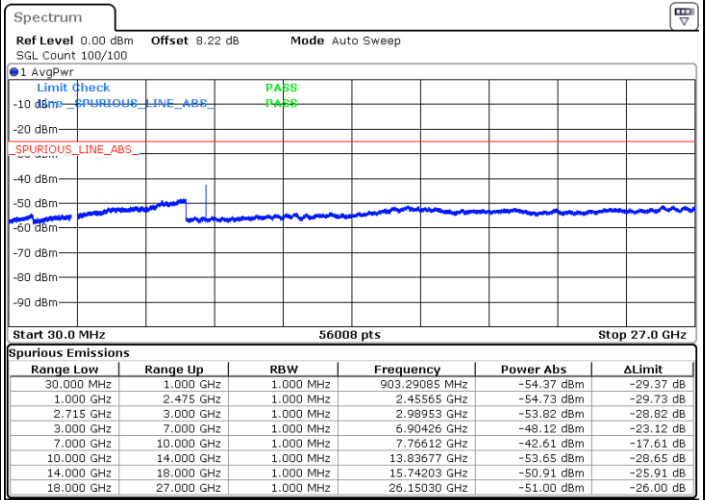
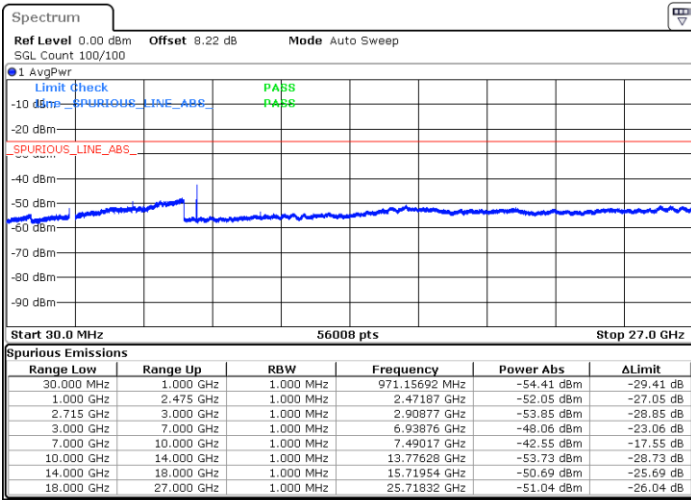




LTE Band 41 / 10MHz

Lowest Channel / QPSK

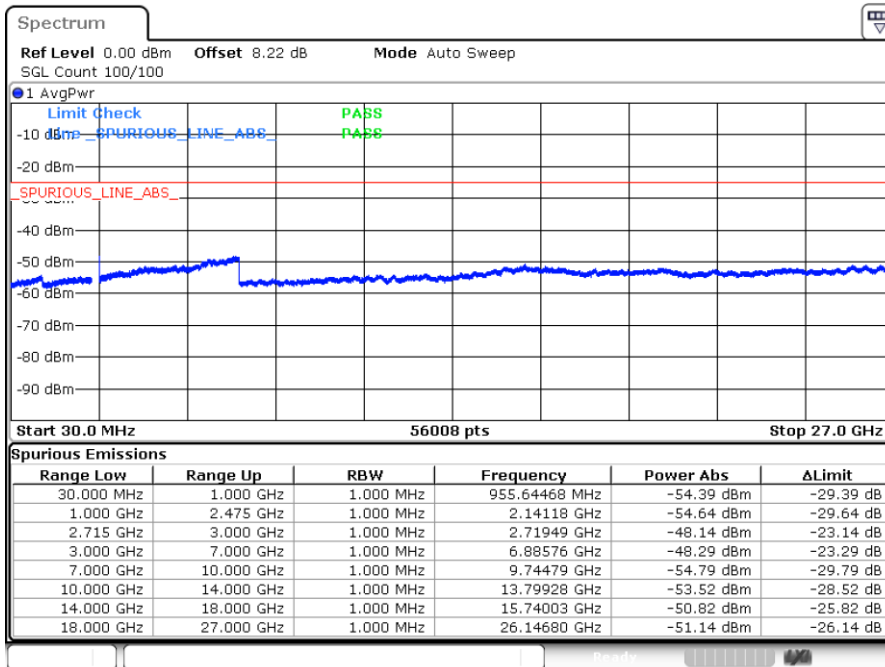
Middle Channel / QPSK



Date: 5.OCT.2023 00:21:21

Date: 5.OCT.2023 00:29:02

Highest Channel / QPSK



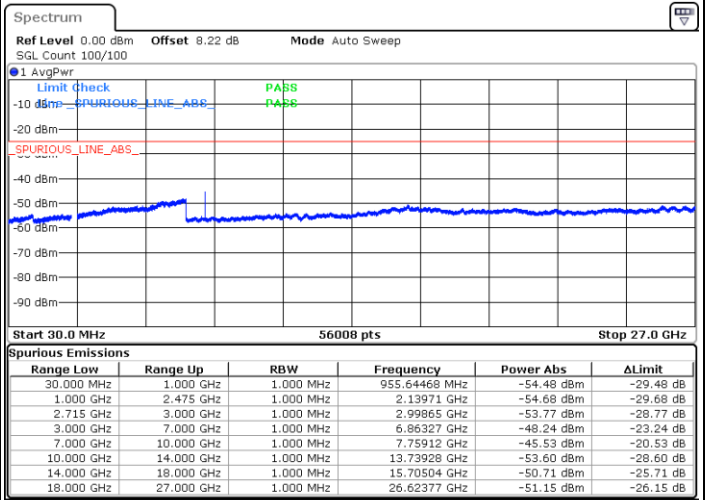
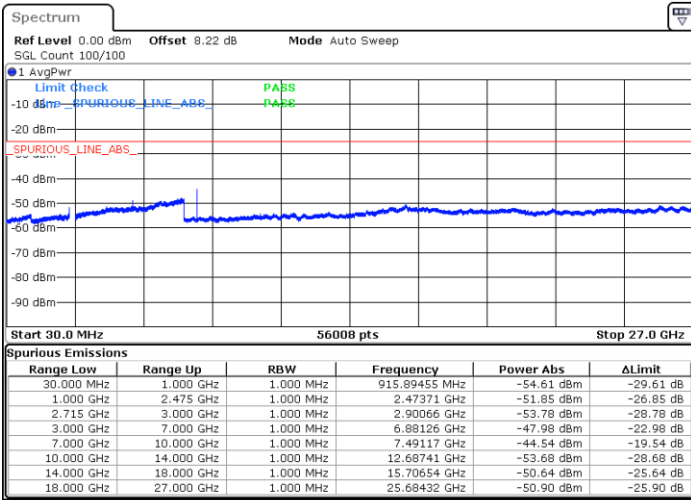
Date: 5.OCT.2023 00:30:24



LTE Band 41 / 15MHz

Lowest Channel / QPSK

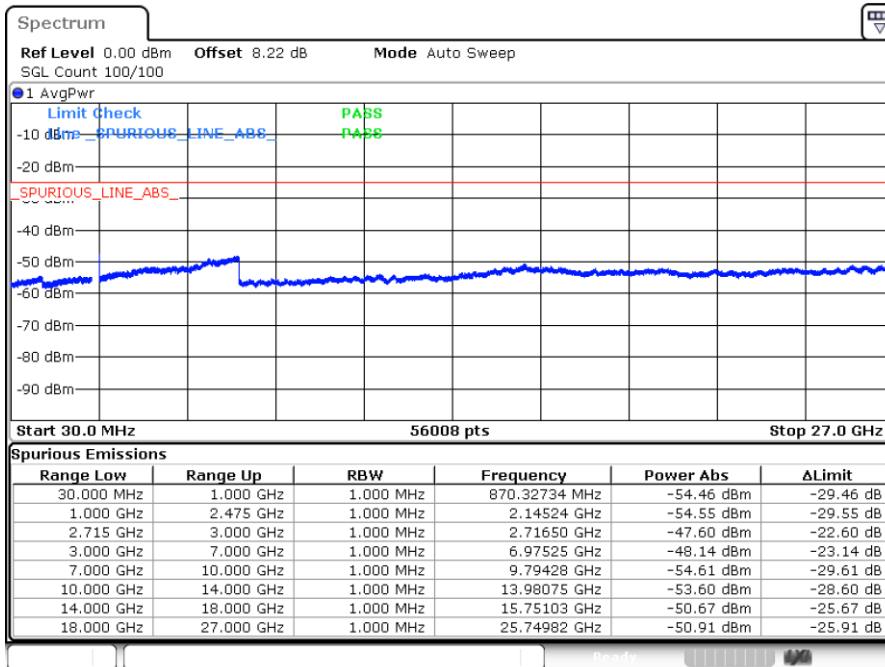
Middle Channel / QPSK



Date: 5.OCT.2023 00:39:35

Date: 5.OCT.2023 00:47:47

Highest Channel / QPSK



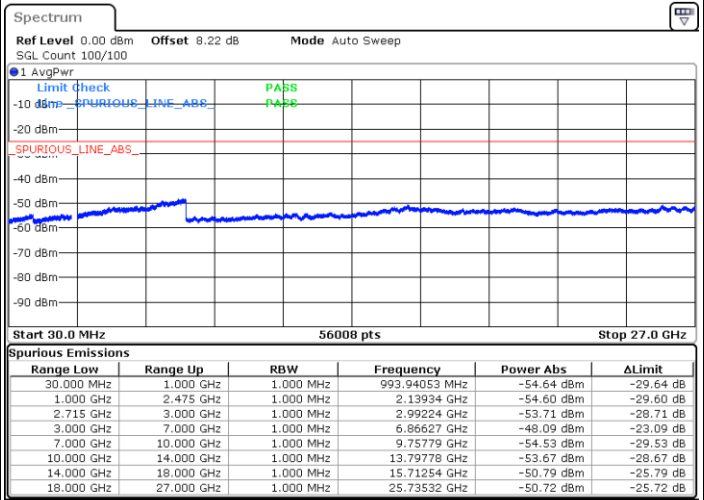
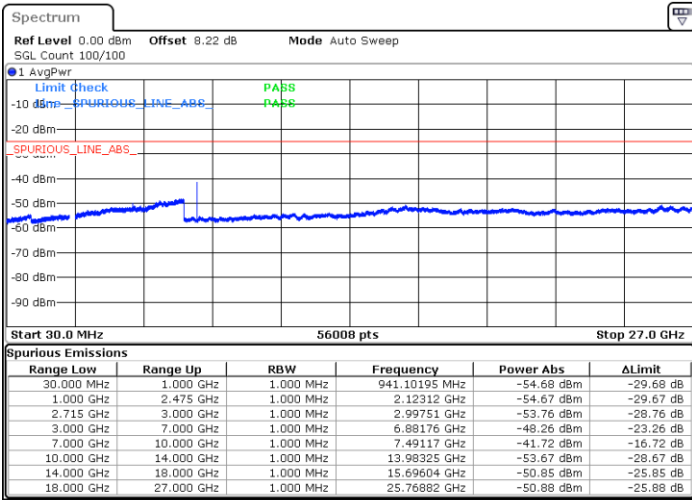
Date: 5.OCT.2023 00:49:09



LTE Band 41 / 20MHz

Lowest Channel / QPSK

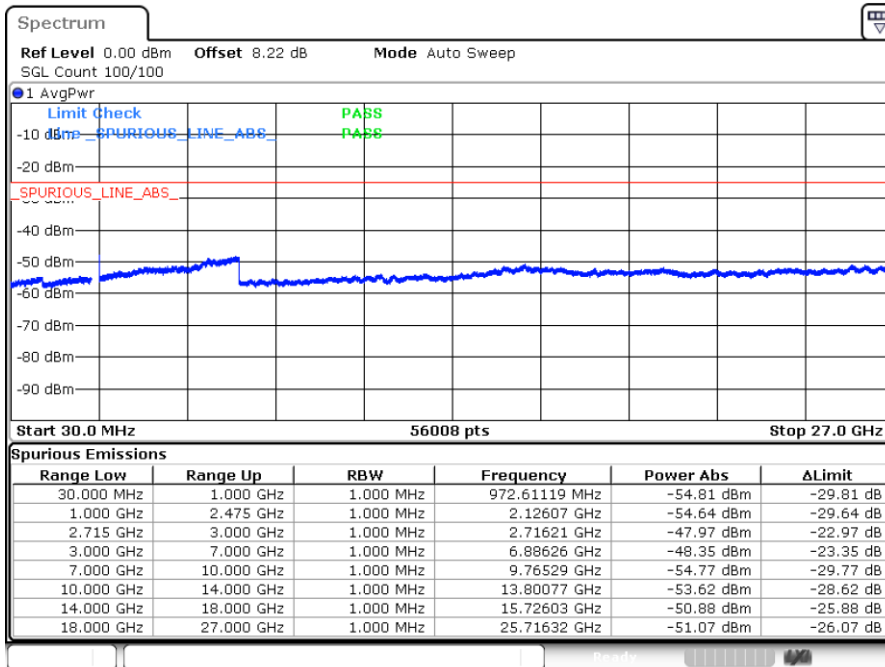
Middle Channel / QPSK



Date: 5.OCT.2023 00:57:13

Date: 5.OCT.2023 01:03:38

Highest Channel / QPSK



Date: 5.OCT.2023 01:05:00



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0014	

Note:

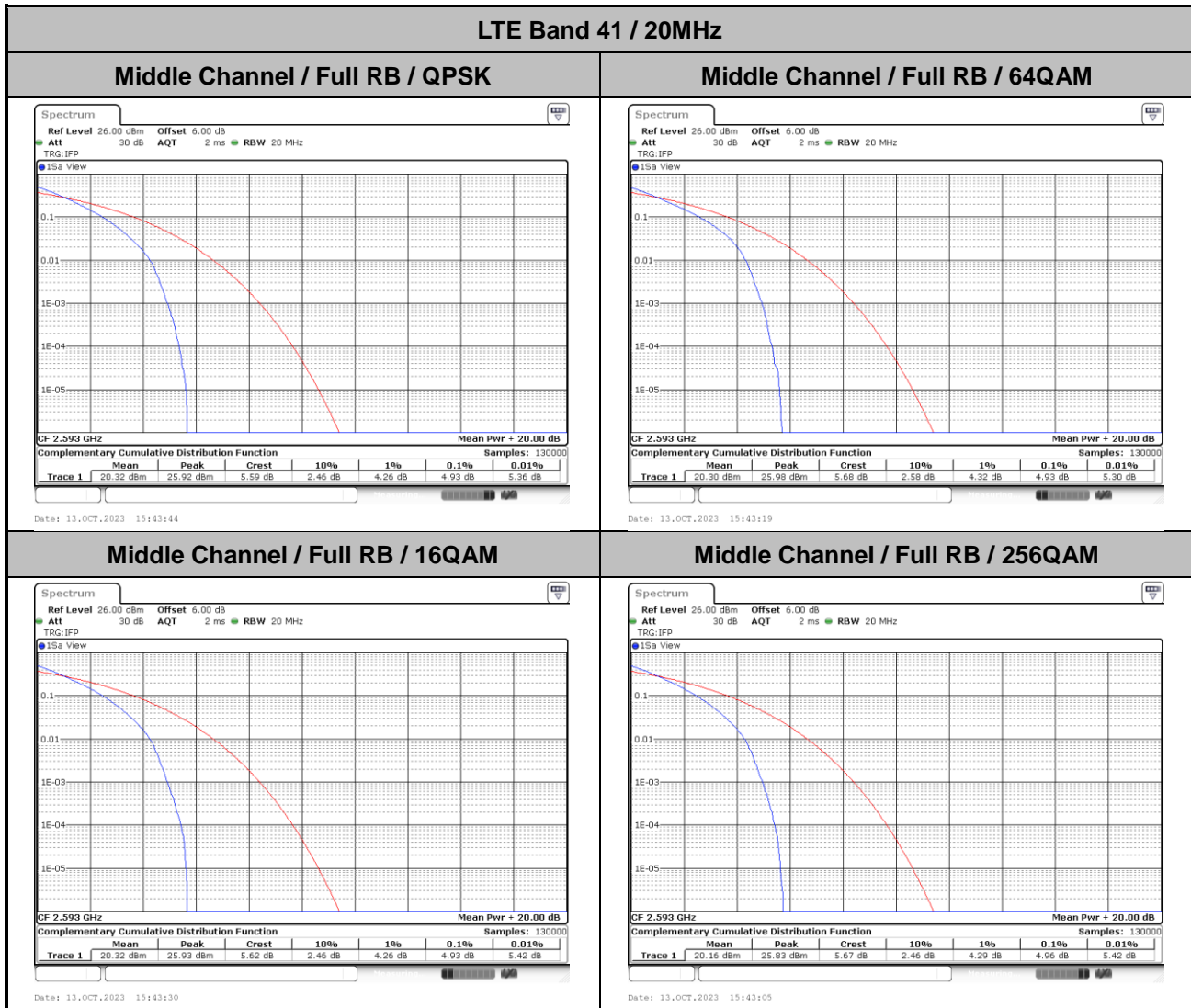
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41 for Other PA

Peak-to-Average Ratio

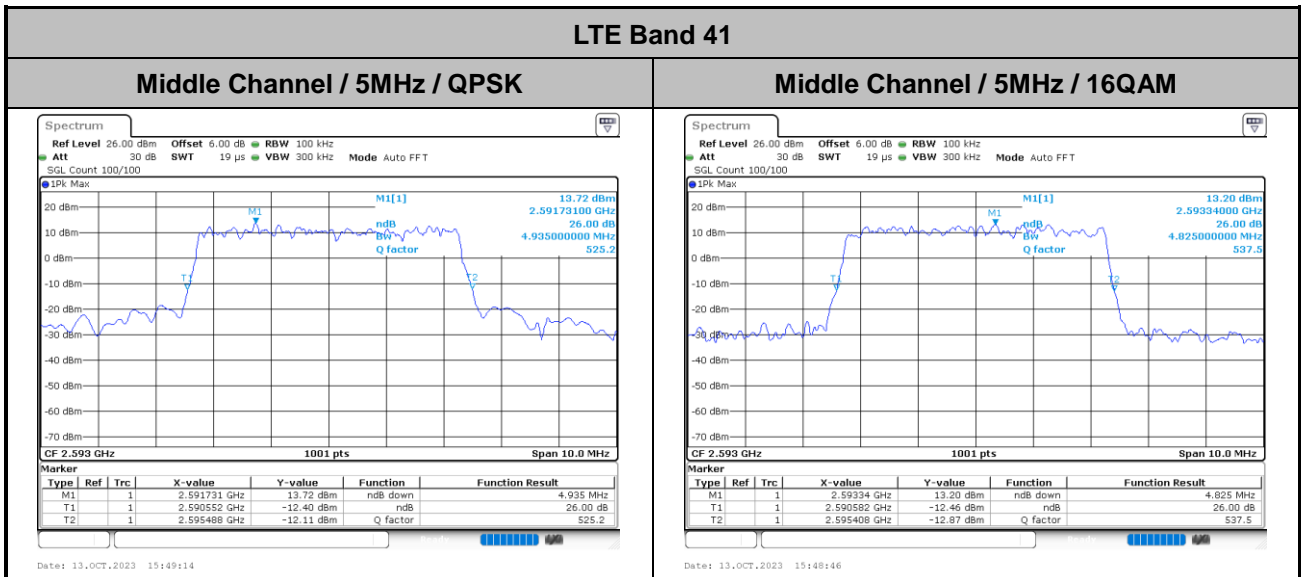
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.93	4.93	4.93	4.96	PASS





26dB Bandwidth

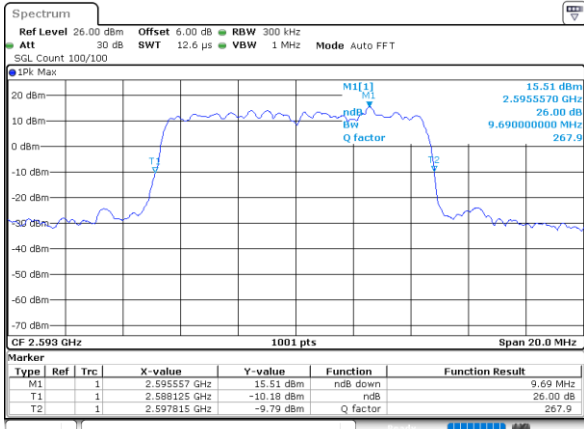
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.94	4.83
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.69	9.69
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.12	14.30
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.02	18.98





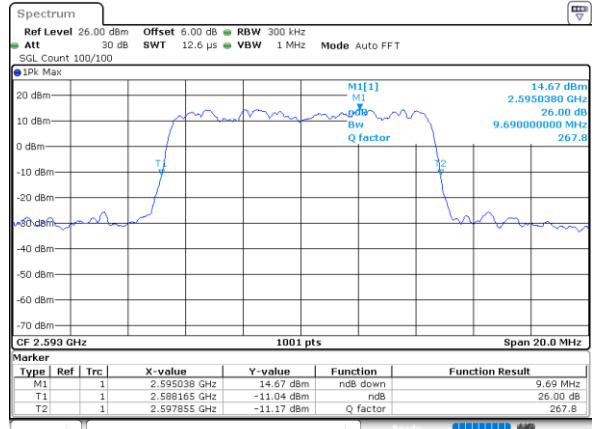
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 13.OCT.2023 15:47:03

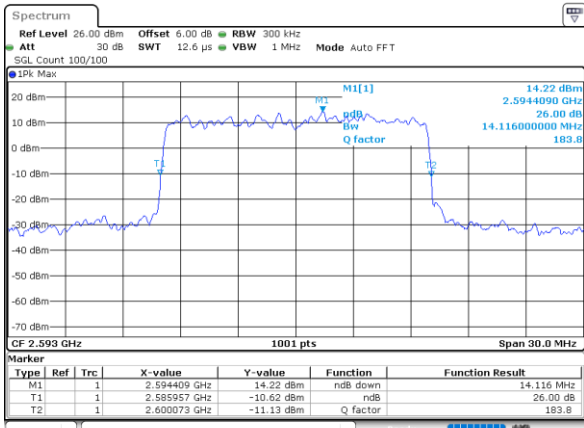
Middle Channel / 10MHz / 16QAM



Date: 13.OCT.2023 15:47:25

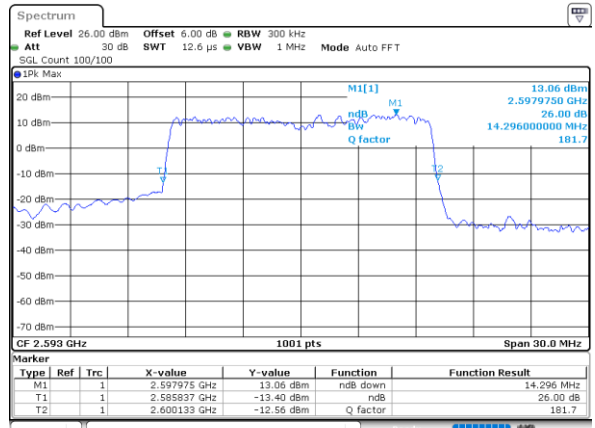
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 13.OCT.2023 15:46:10

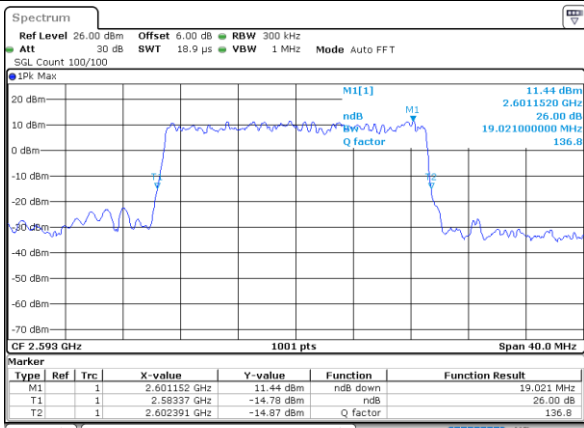
Middle Channel / 15MHz / 16QAM



Date: 13.OCT.2023 15:45:51

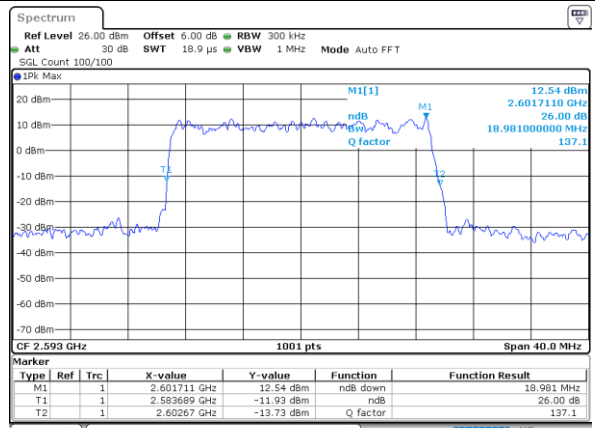
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 13.OCT.2023 15:44:06

Middle Channel / 20MHz / 16QAM

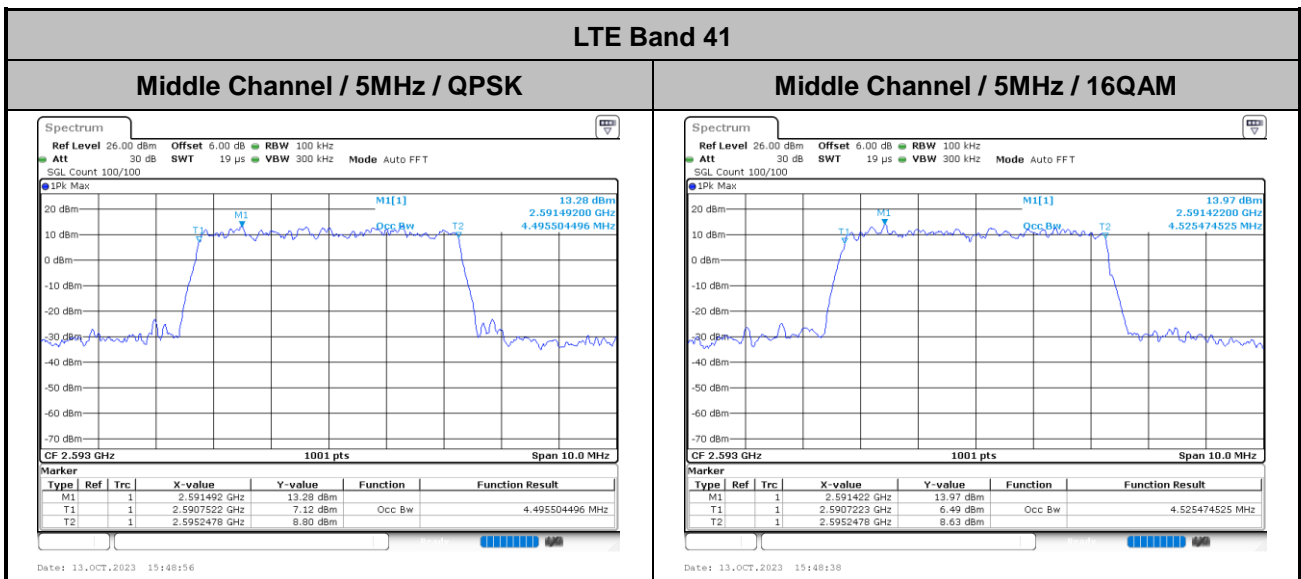


Date: 13.OCT.2023 15:44:25



Occupied Bandwidth

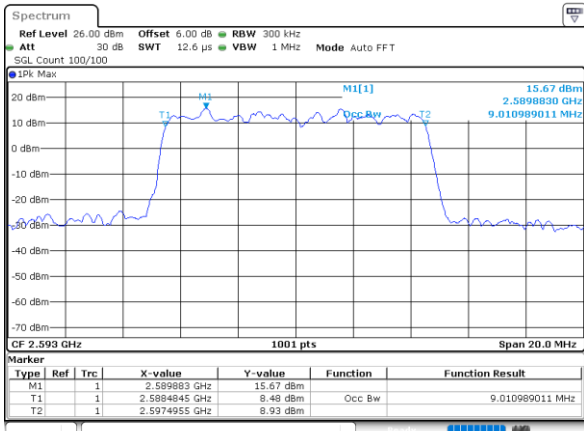
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.53
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.11
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.86





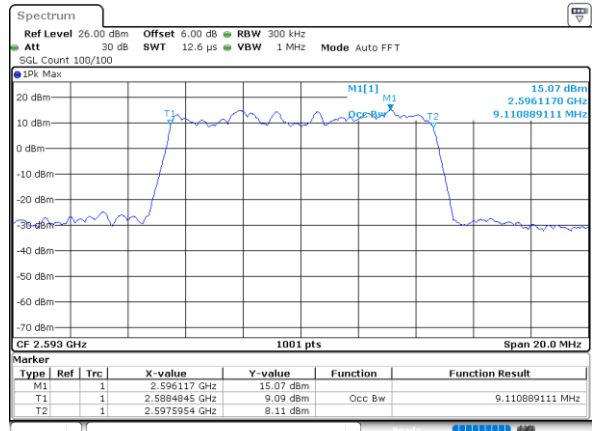
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 13.OCT.2023 15:46:44

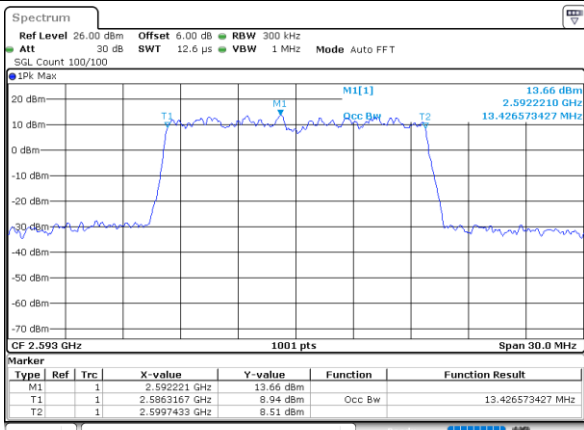
Middle Channel / 10MHz / 16QAM



Date: 13.OCT.2023 15:47:15

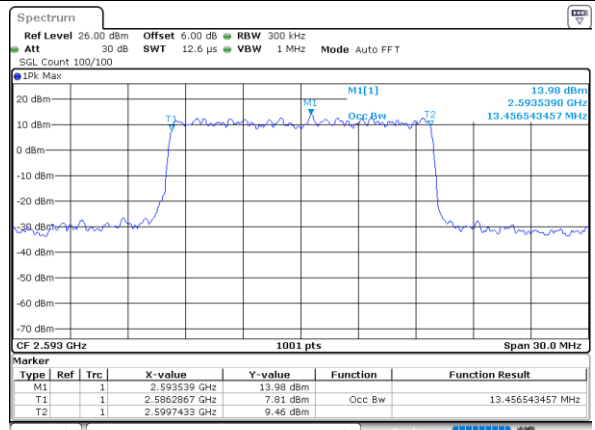
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 13.OCT.2023 15:46:01

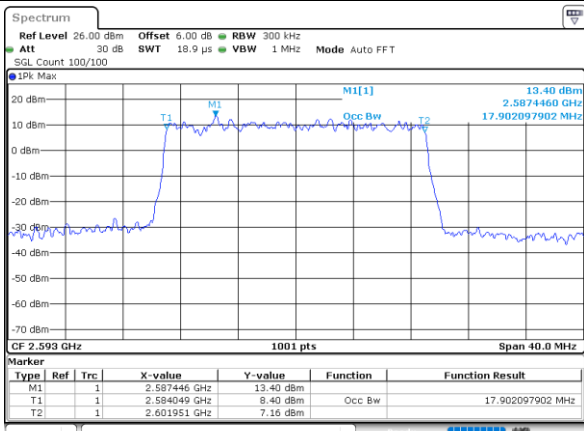
Middle Channel / 15MHz / 16QAM



Date: 13.OCT.2023 15:45:42

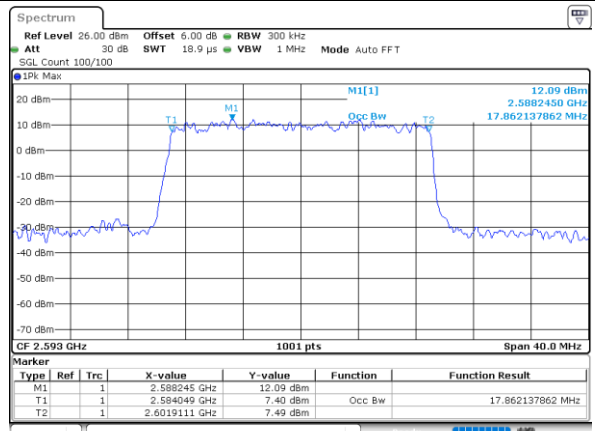
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 13.OCT.2023 15:43:56

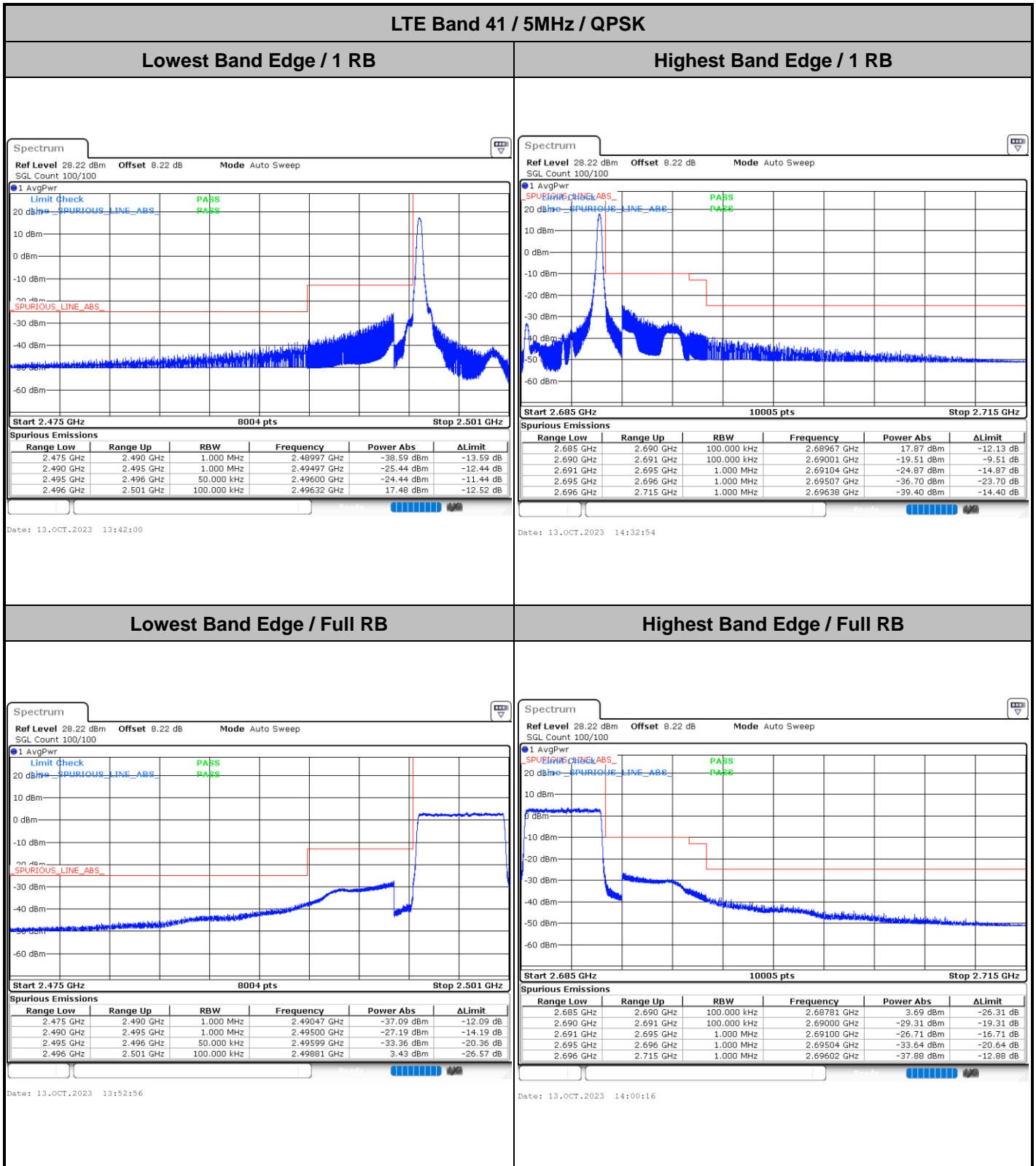
Middle Channel / 20MHz / 16QAM



Date: 13.OCT.2023 15:44:16



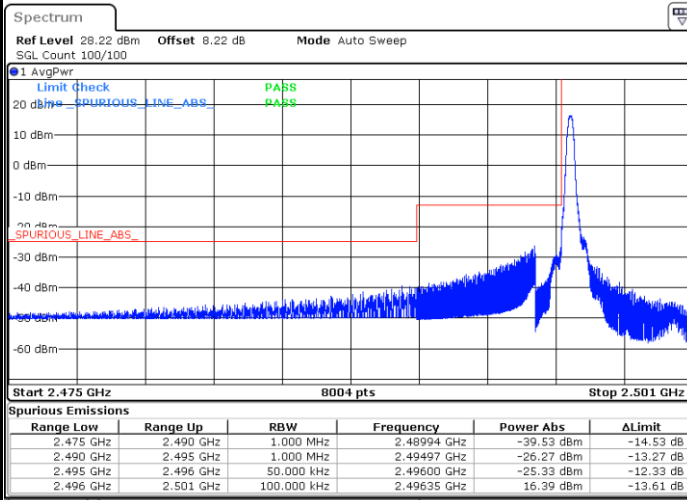
Conducted Band Edge





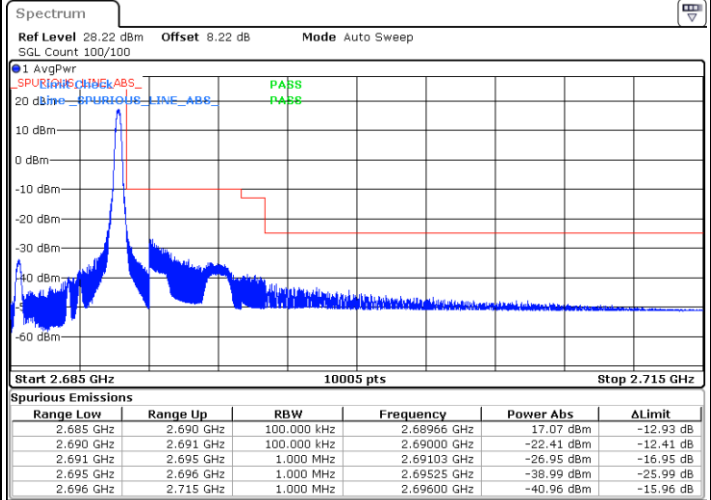
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



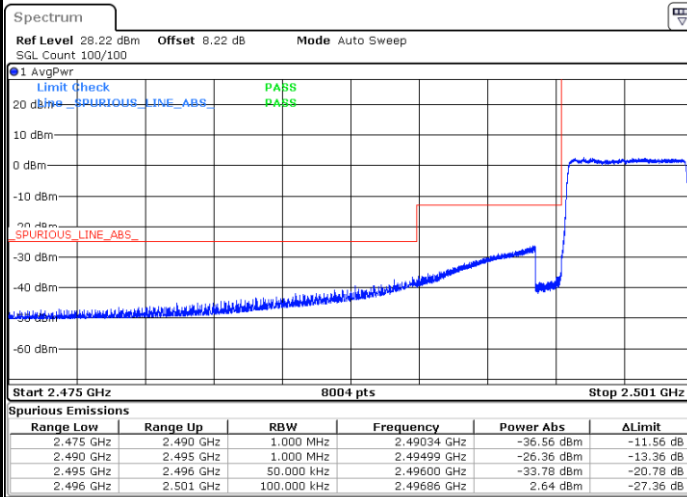
Date: 13.OCT.2023 13:43:30

Highest Band Edge / 1 RB



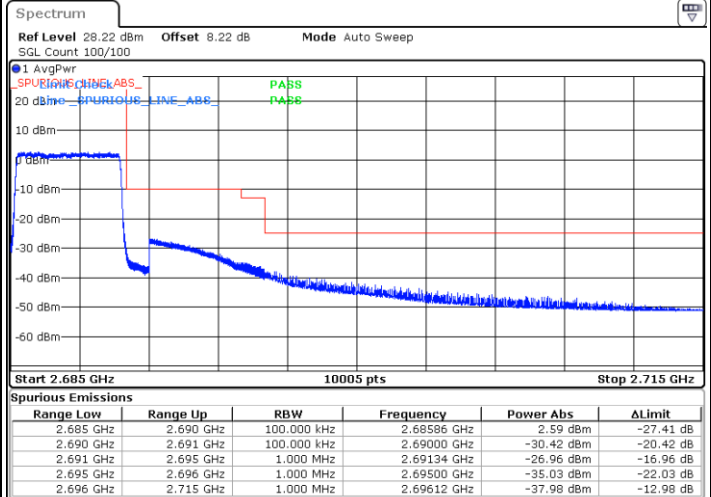
Date: 13.OCT.2023 14:31:56

Lowest Band Edge / Full RB



Date: 13.OCT.2023 13:51:23

Highest Band Edge / Full RB

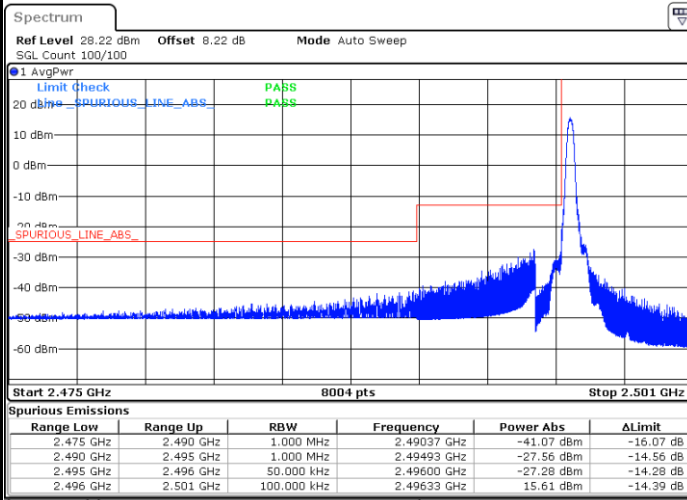


Date: 13.OCT.2023 14:27:15



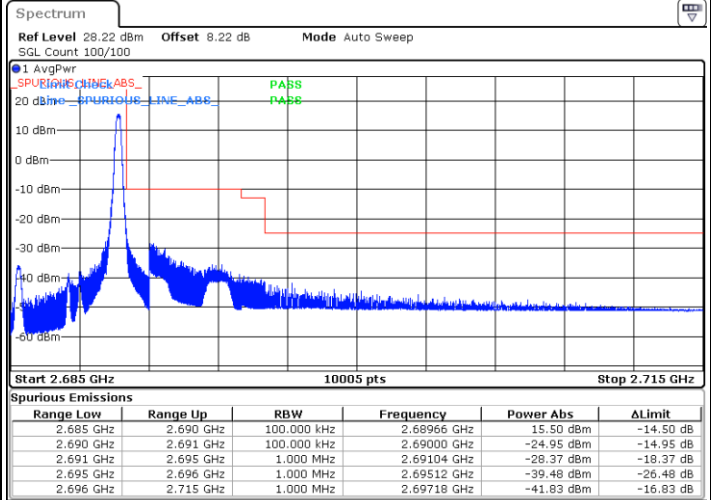
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



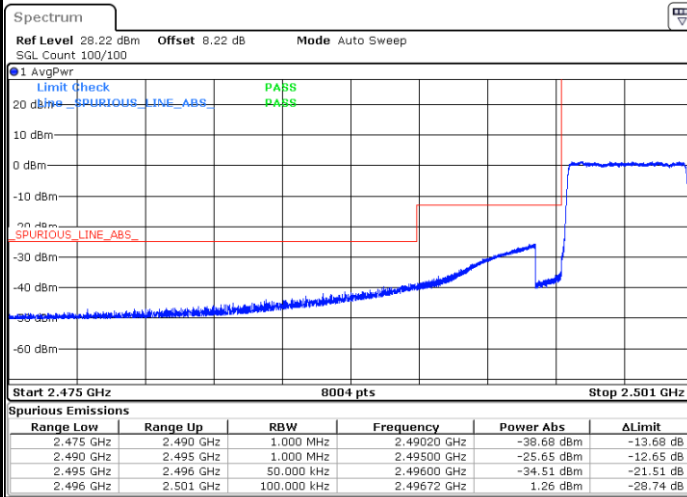
Date: 13.OCT.2023 13:44:53

Highest Band Edge / 1 RB



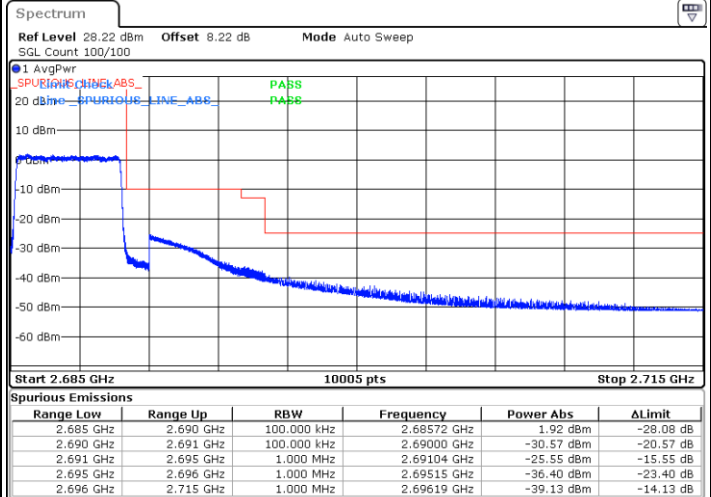
Date: 13.OCT.2023 14:31:02

Lowest Band Edge / Full RB



Date: 13.OCT.2023 13:49:41

Highest Band Edge / Full RB

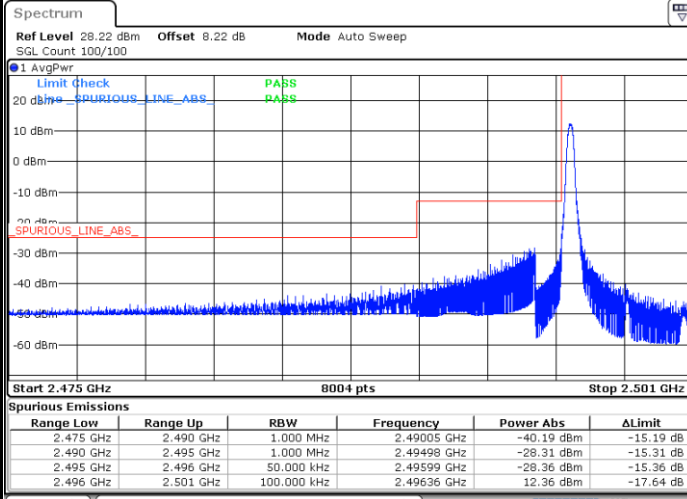


Date: 13.OCT.2023 14:28:10



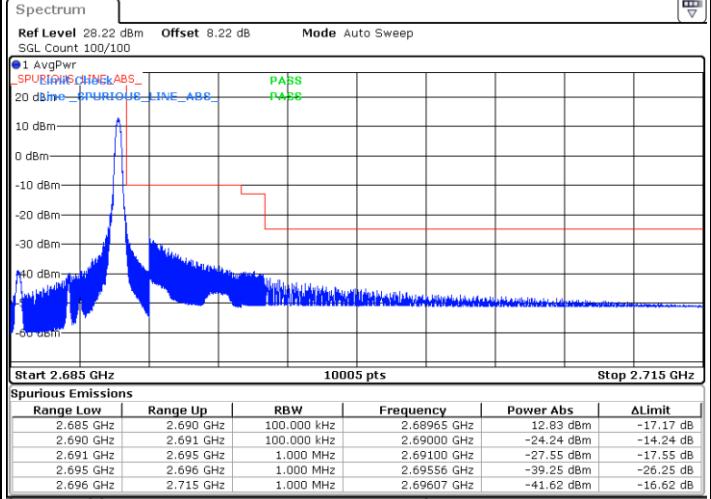
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



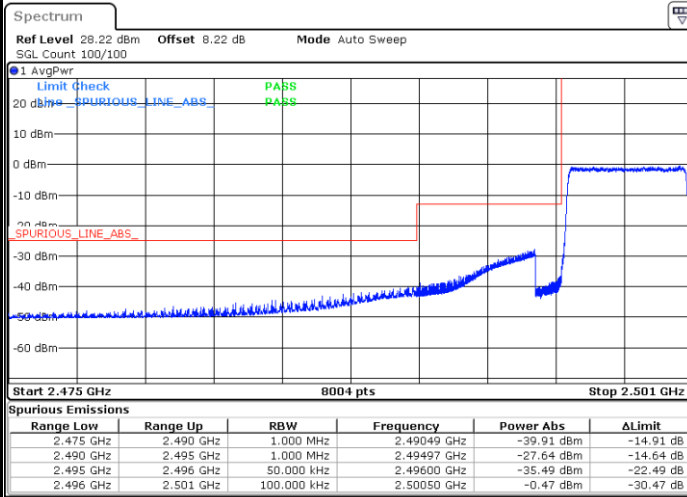
Date: 13.OCT.2023 13:46:47

Highest Band Edge / 1 RB



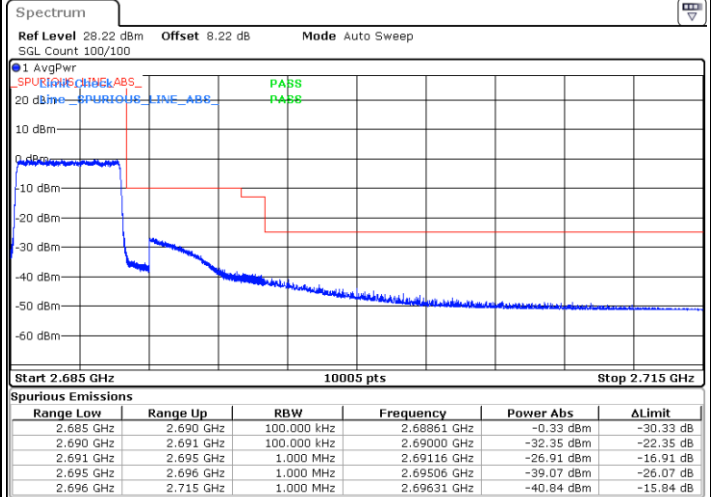
Date: 13.OCT.2023 14:30:07

Lowest Band Edge / Full RB



Date: 13.OCT.2023 13:48:20

Highest Band Edge / Full RB

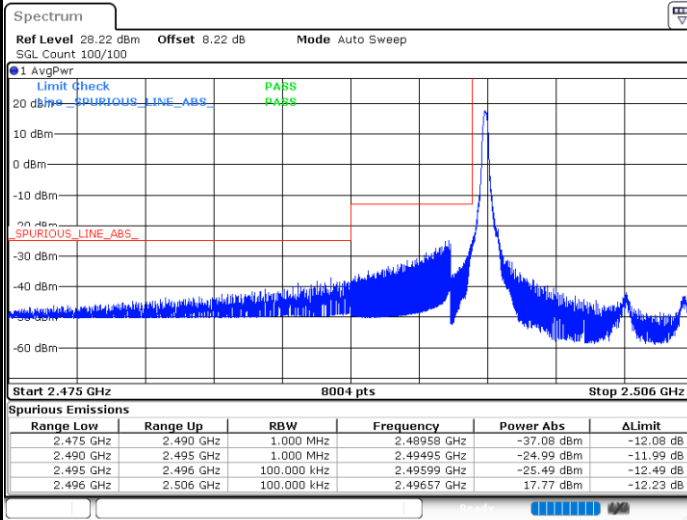


Date: 13.OCT.2023 14:29:10



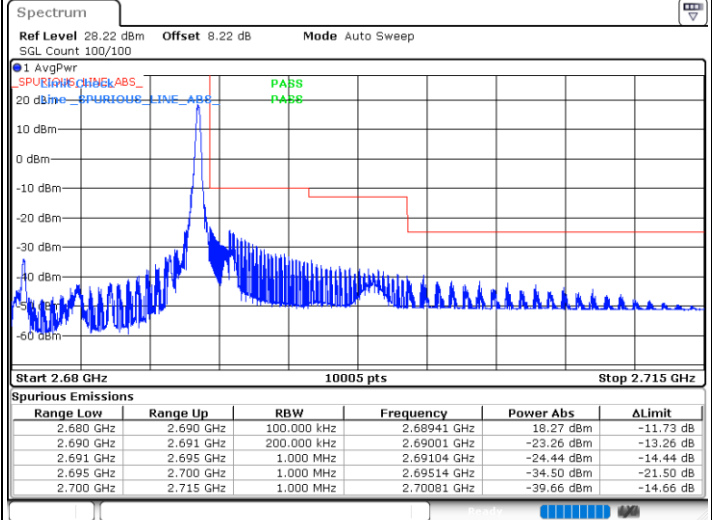
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



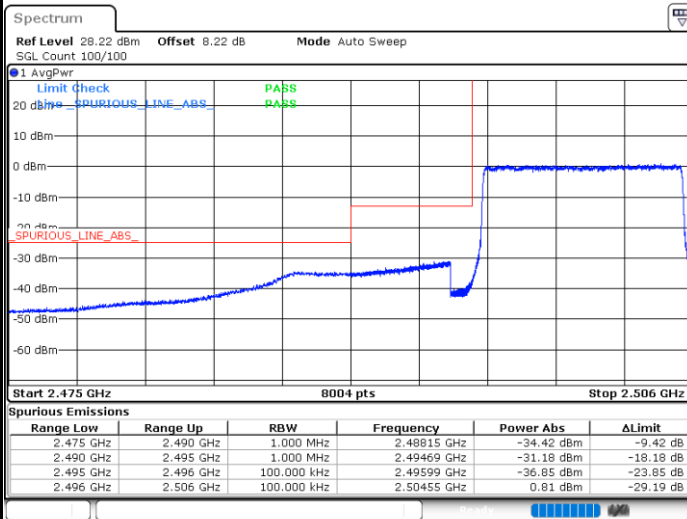
Date: 13.OCT.2023 14:34:53

Highest Band Edge / 1 RB



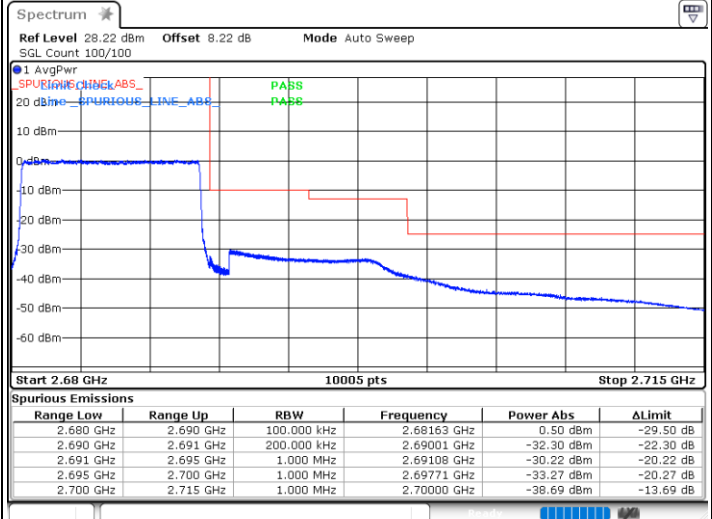
Date: 13.OCT.2023 15:01:16

Lowest Band Edge / Full RB



Date: 13.OCT.2023 14:42:00

Highest Band Edge / Full RB

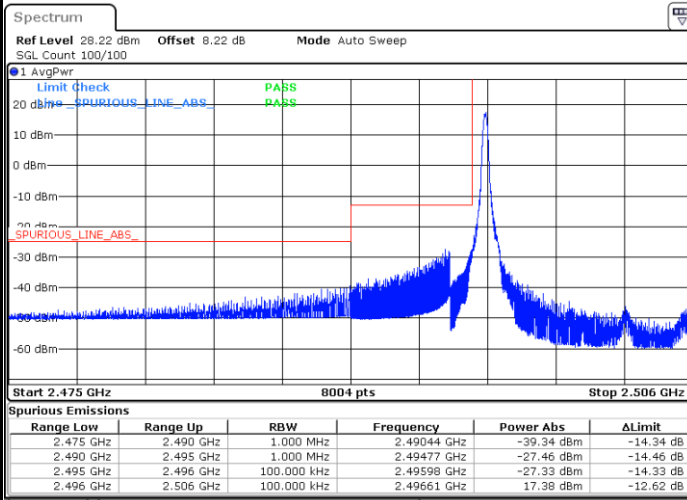


Date: 13.OCT.2023 14:49:47



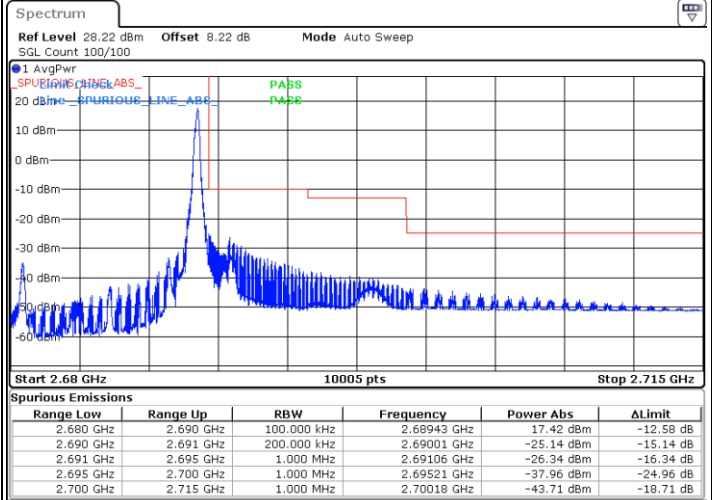
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



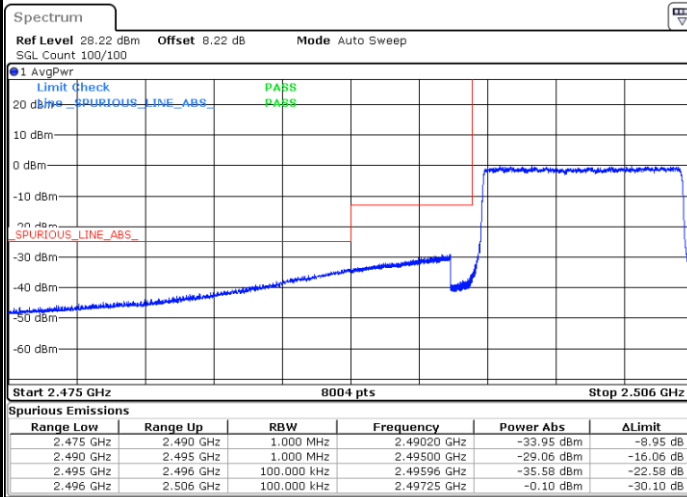
Date: 13.OCT.2023 14:37:06

Highest Band Edge / 1 RB



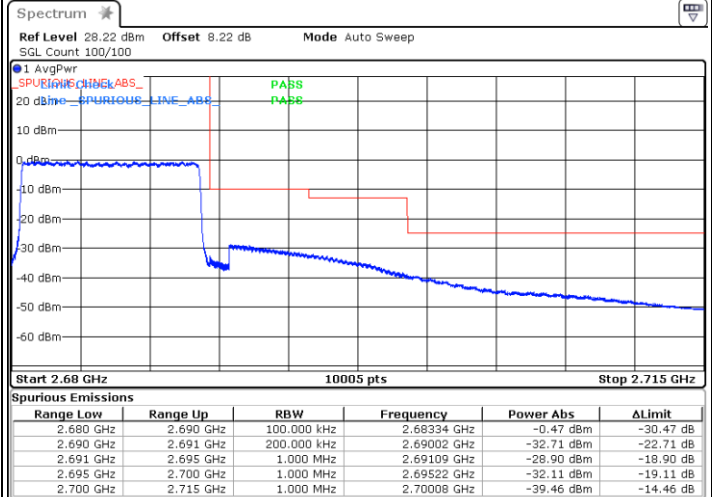
Date: 13.OCT.2023 15:00:24

Lowest Band Edge / Full RB



Date: 13.OCT.2023 14:41:15

Highest Band Edge / Full RB

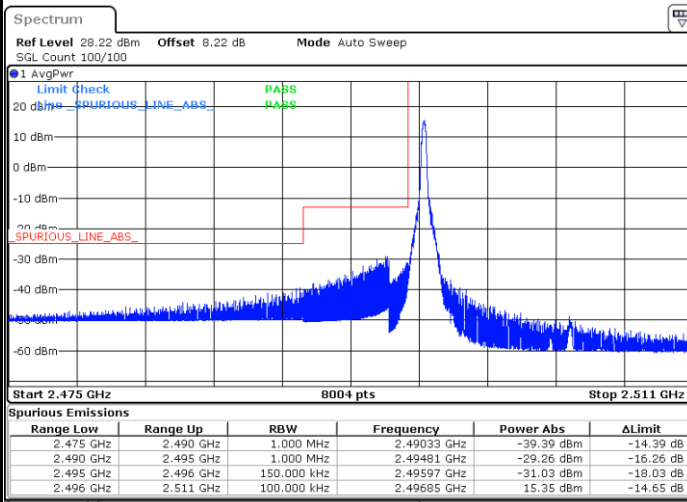


Date: 13.OCT.2023 14:52:21

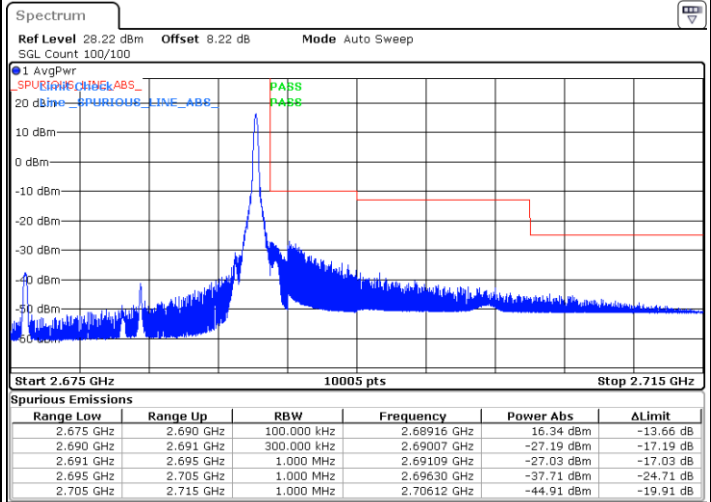


LTE Band 41 / 10MHz / 64QAM

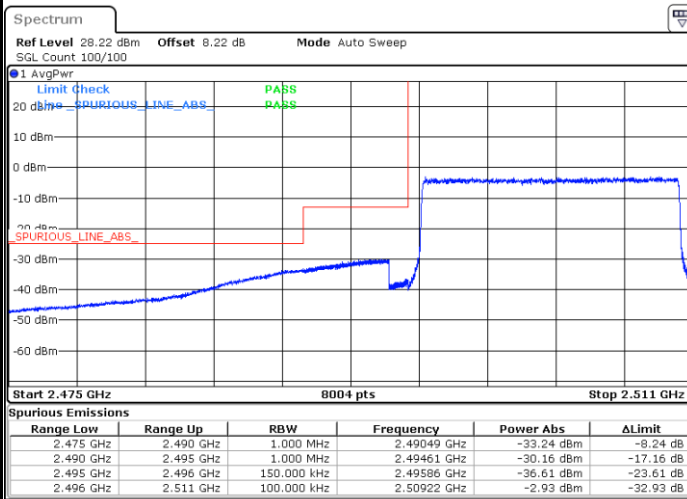
Lowest Band Edge / 1 RB



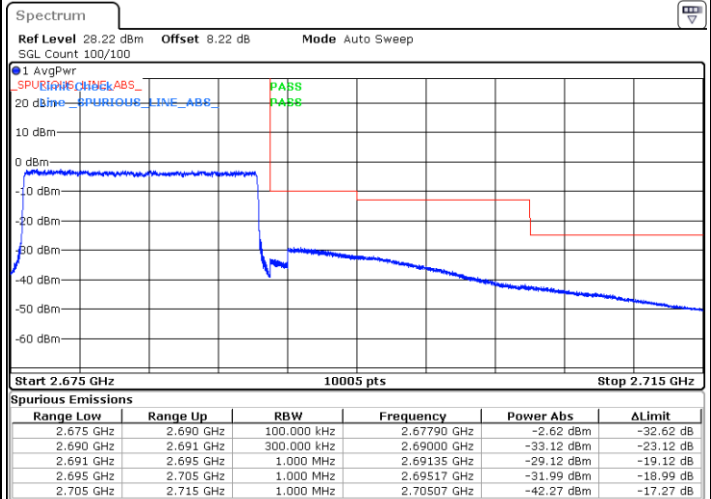
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



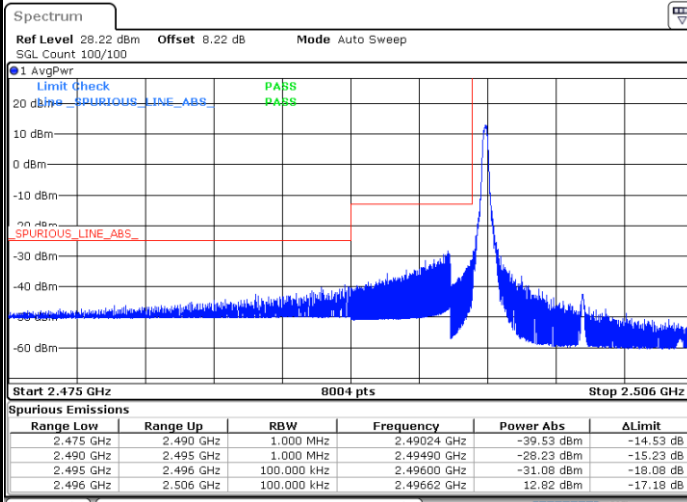
Highest Band Edge / Full RB





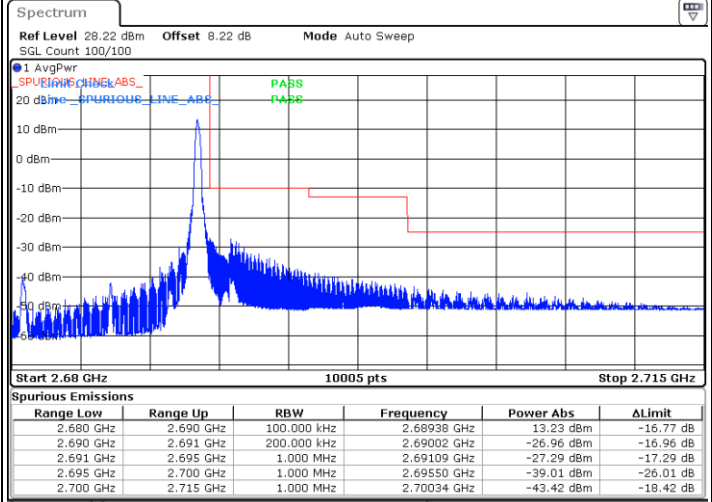
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1RB



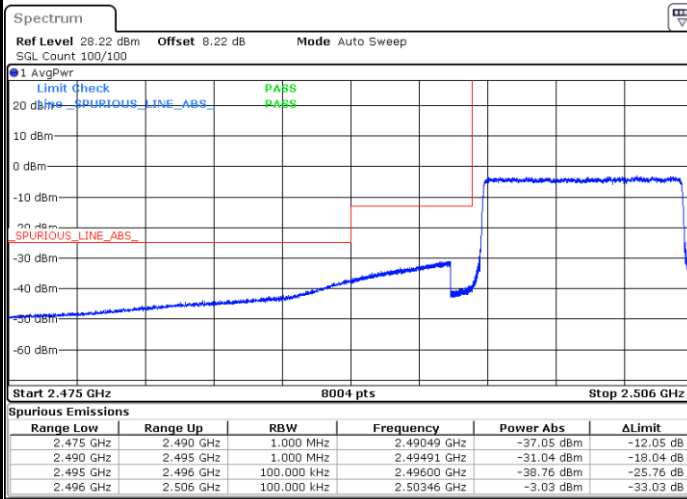
Date: 13.OCT.2023 14:38:44

Highest Band Edge / 1 RB



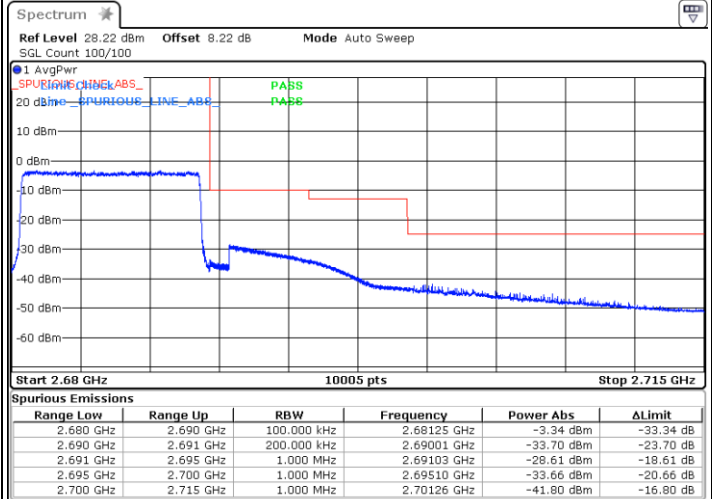
Date: 13.OCT.2023 14:56:02

Lowest Band Edge / Full RB



Date: 13.OCT.2023 14:39:37

Highest Band Edge / Full RB



Date: 13.OCT.2023 14:55:05