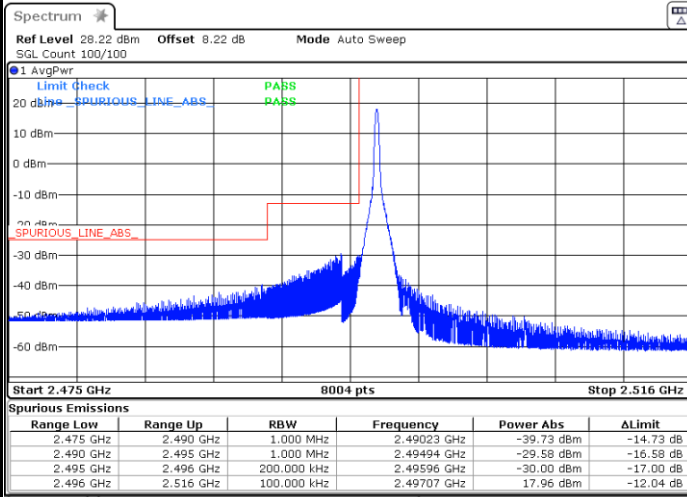




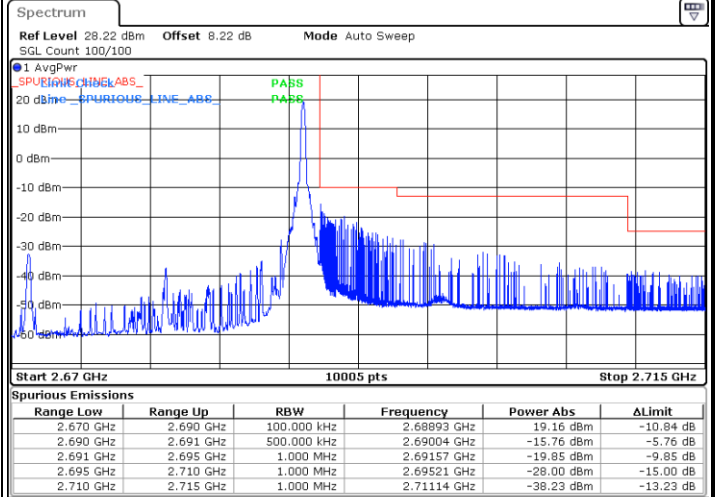
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



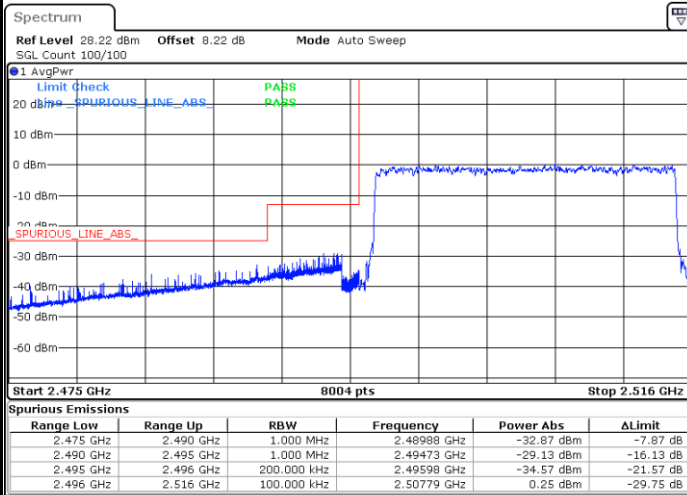
Date: 13.FEB.2023 01:11:17

Highest Band Edge / 1 RB



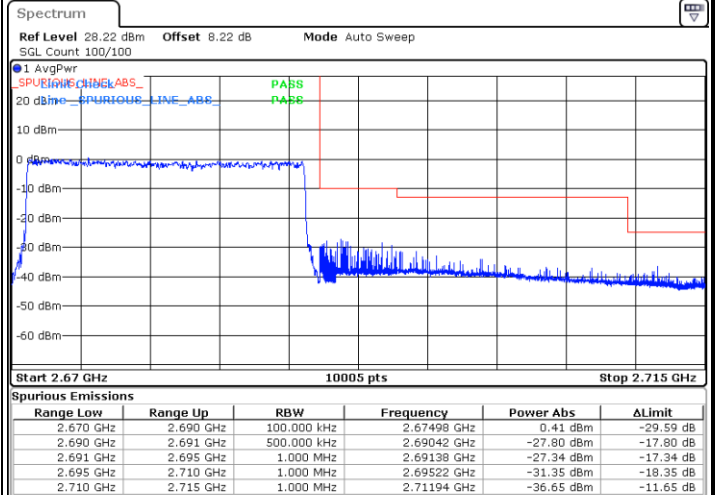
Date: 9.FEB.2023 22:18:24

Lowest Band Edge / Full RB



Date: 9.FEB.2023 22:09:46

Highest Band Edge / Full RB

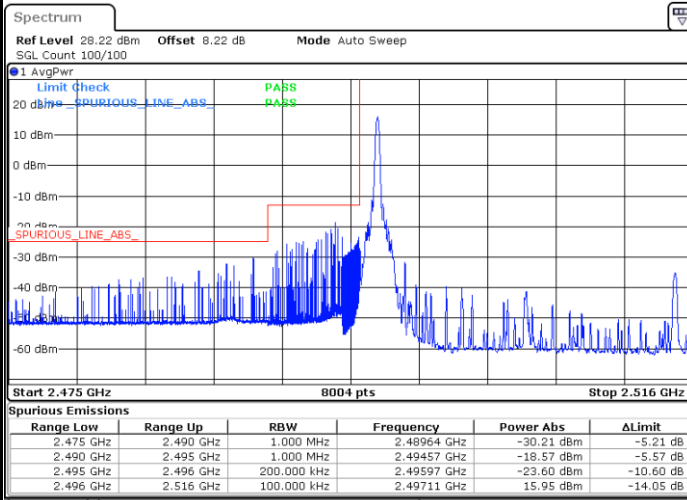


Date: 9.FEB.2023 22:19:35



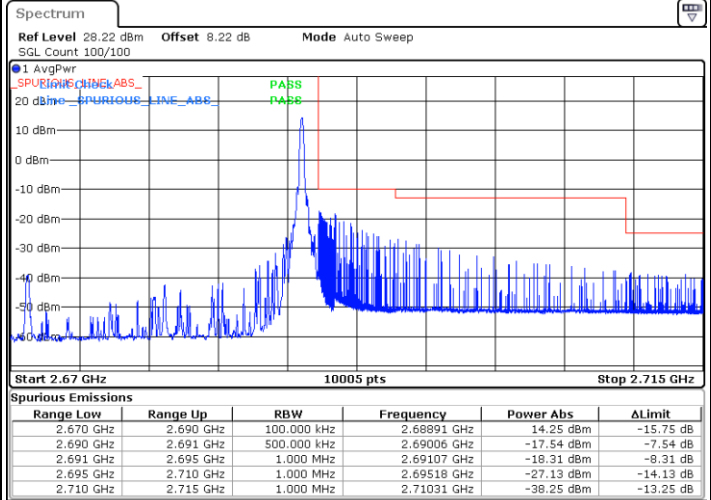
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1RB



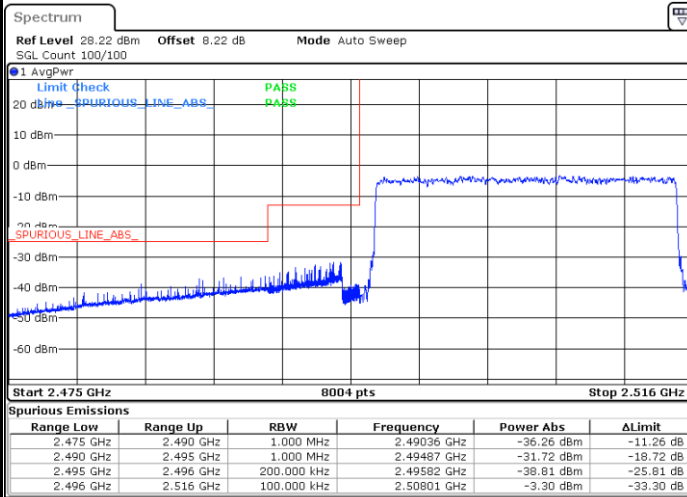
Date: 21.FEB.2023 00:16:38

Highest Band Edge / 1 RB



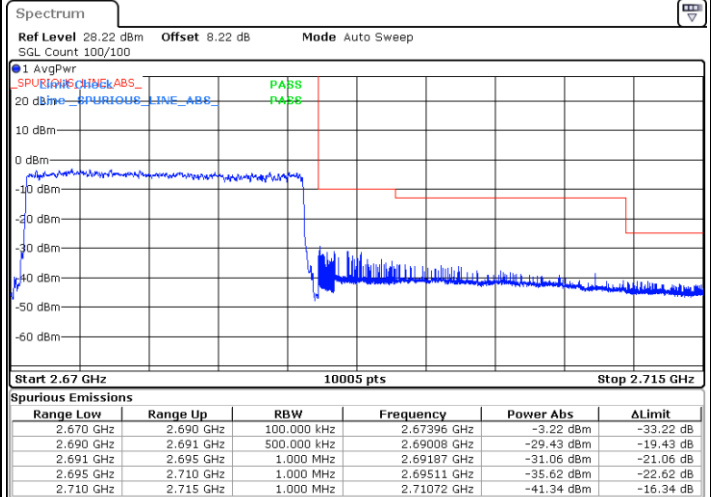
Date: 21.FEB.2023 00:19:49

Lowest Band Edge / Full RB



Date: 21.FEB.2023 00:18:16

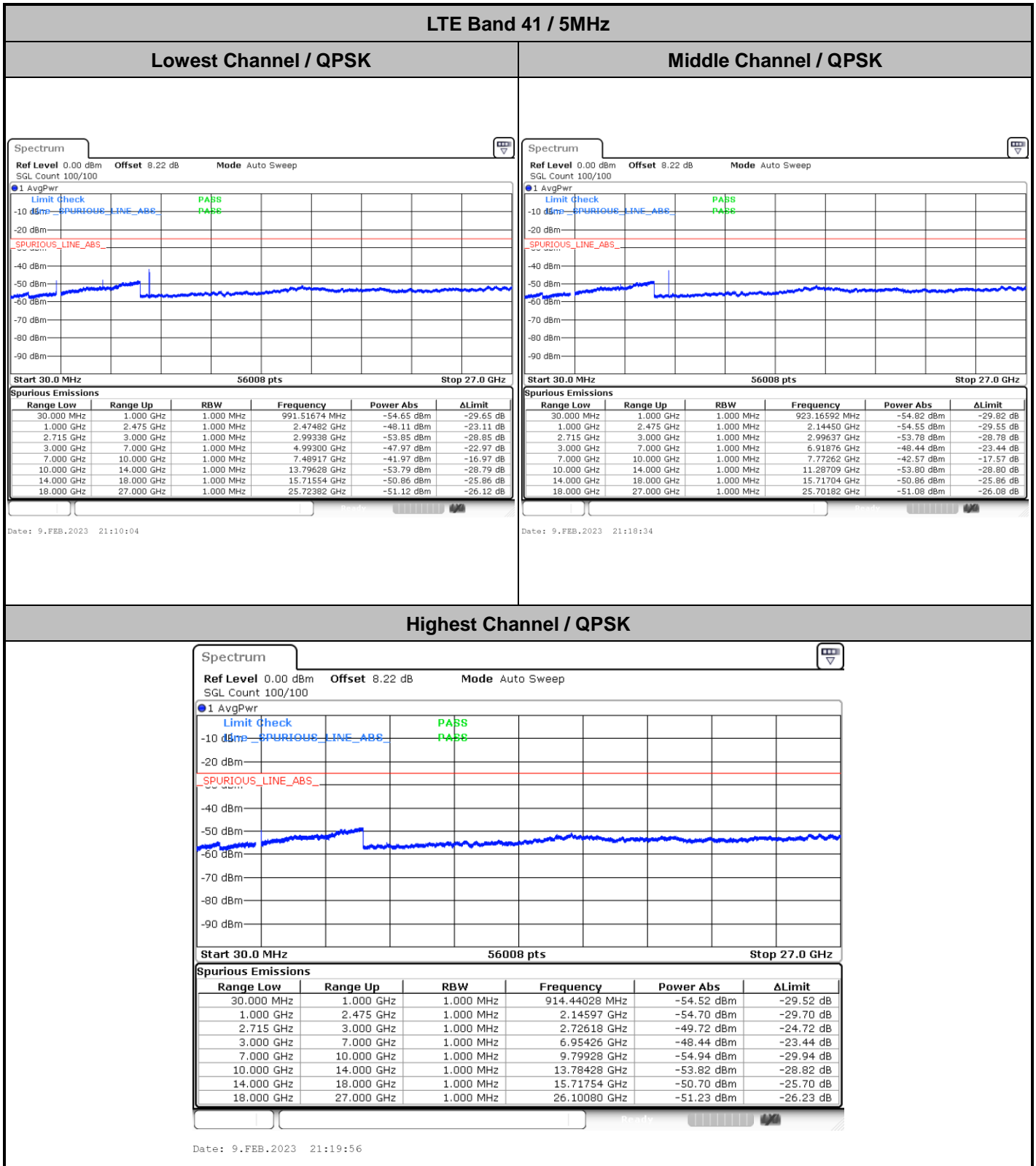
Highest Band Edge / Full RB



Date: 21.FEB.2023 00:20:42



Conducted Spurious Emission

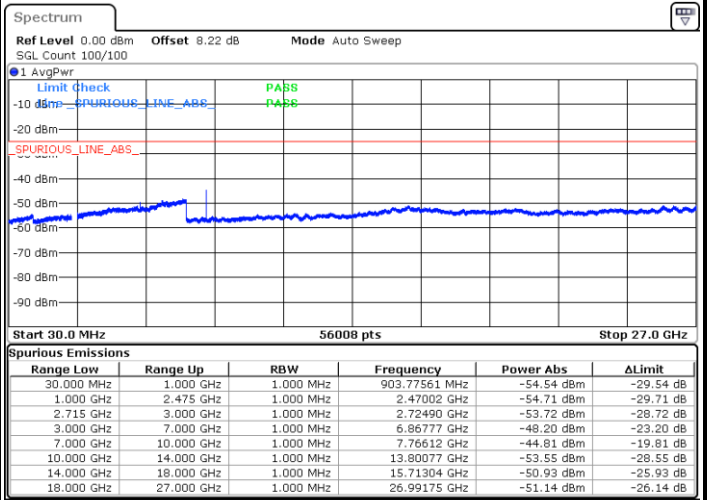
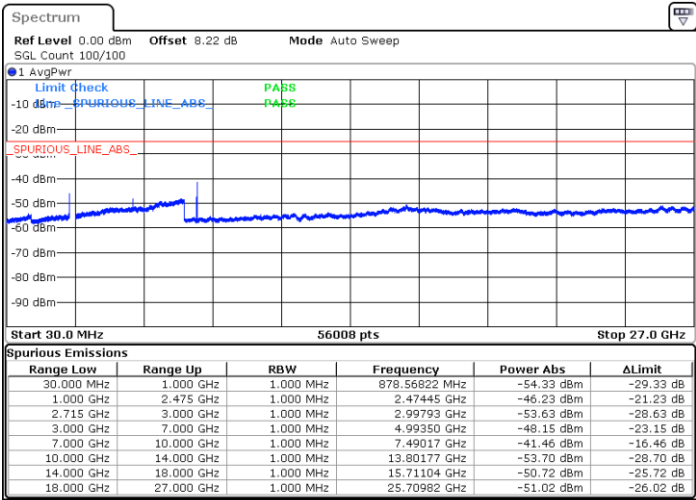




LTE Band 41 / 10MHz

Lowest Channel / QPSK

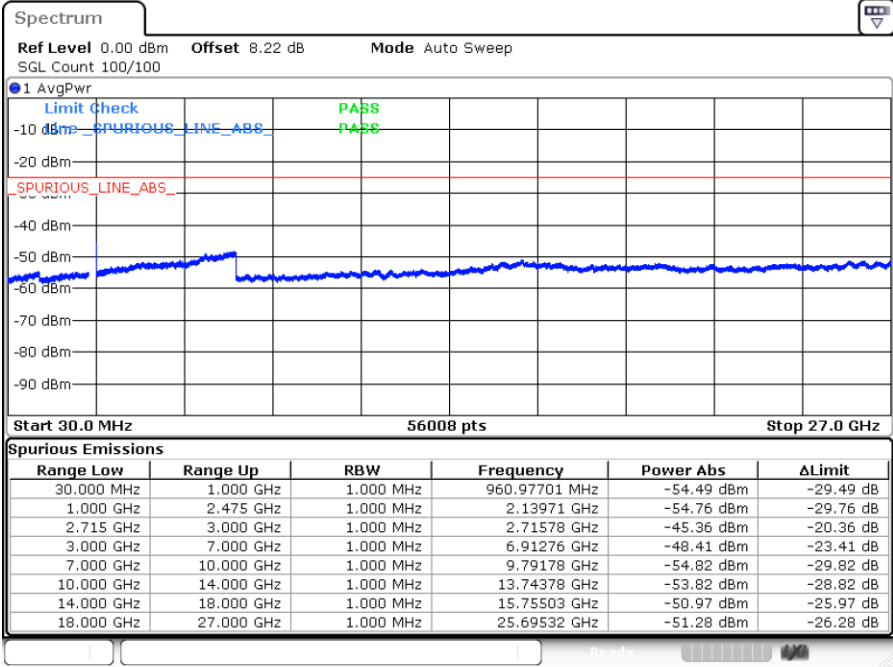
Middle Channel / QPSK



Date: 9.FEB.2023 21:28:27

Date: 9.FEB.2023 21:36:55

Highest Channel / QPSK



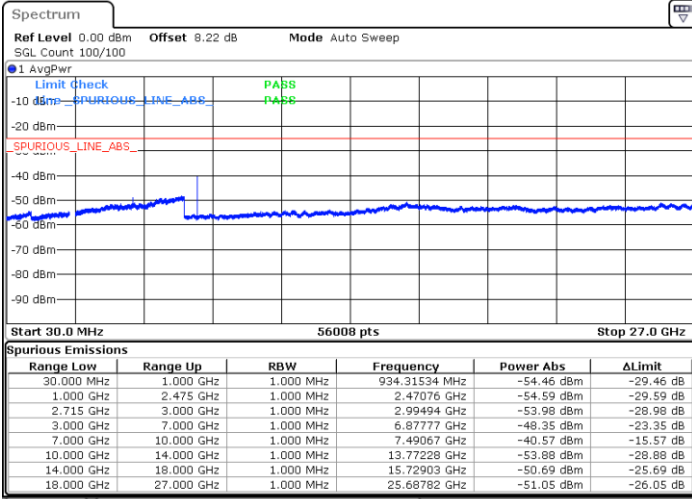
Date: 9.FEB.2023 21:38:17



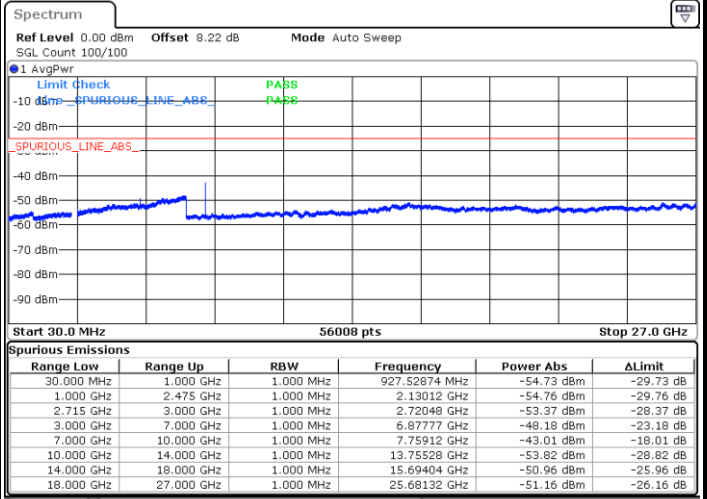
LTE Band 41 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

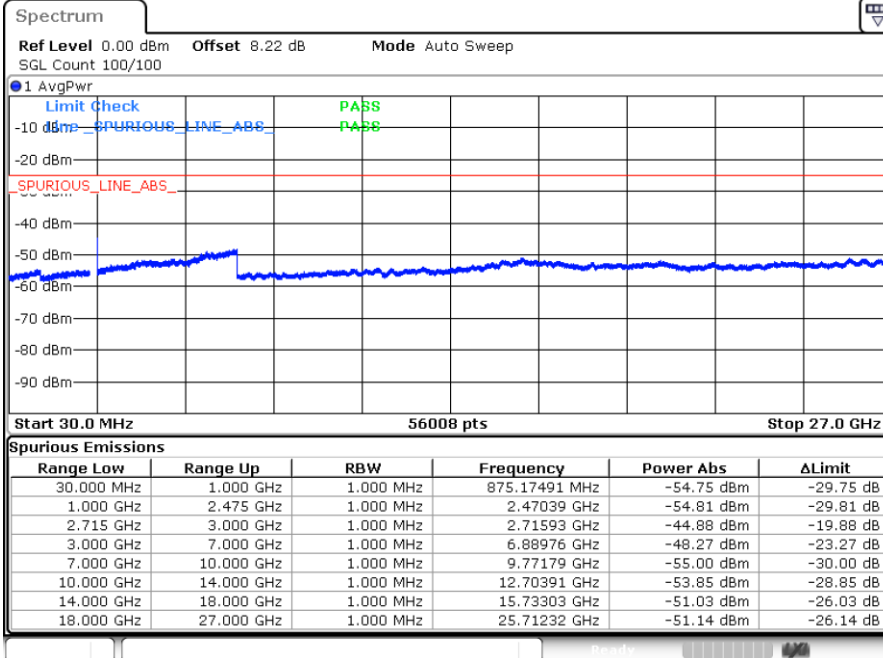


Date: 9.FEB.2023 21:46:46



Date: 9.FEB.2023 21:55:13

Highest Channel / QPSK



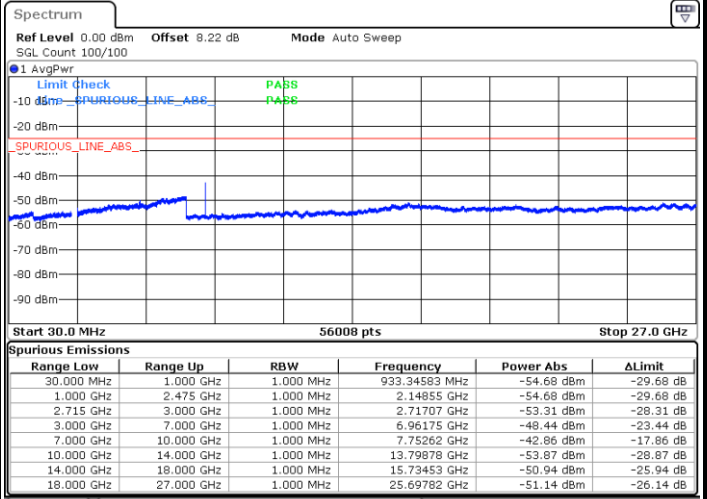
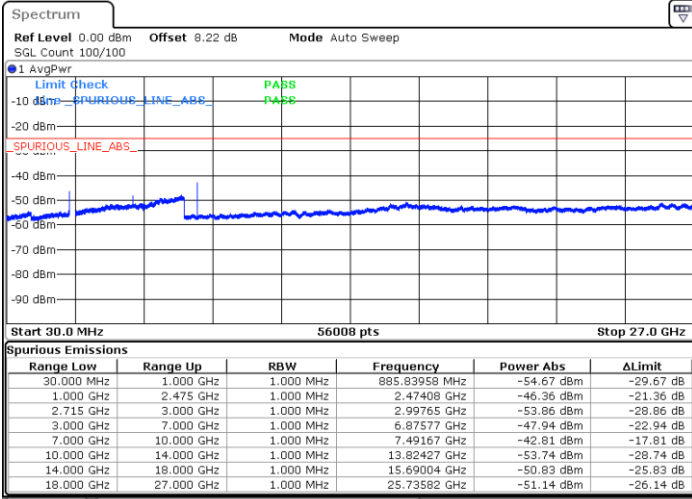
Date: 9.FEB.2023 21:56:35



LTE Band 41 / 20MHz

Lowest Channel / QPSK

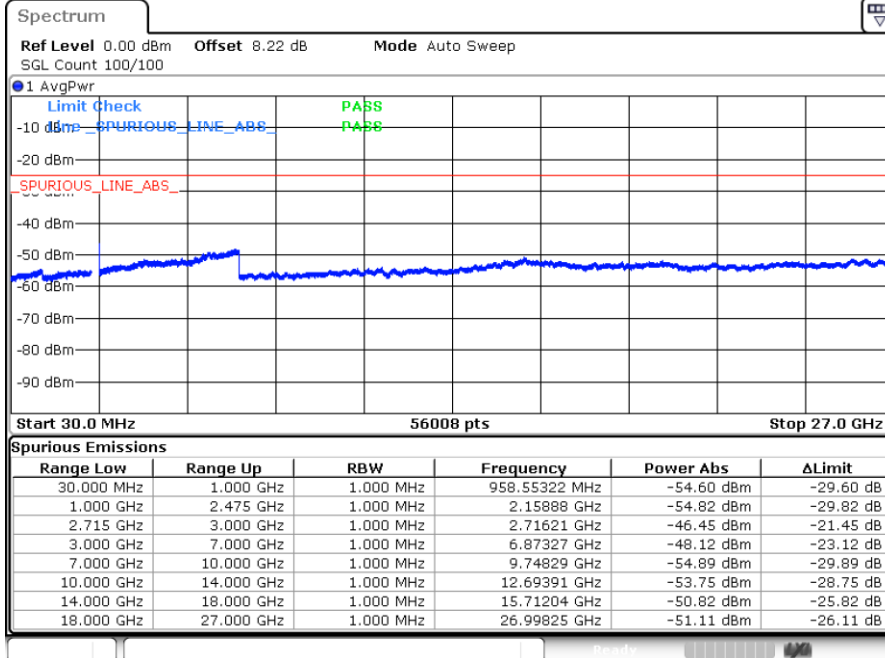
Middle Channel / QPSK



Date: 9.FEB.2023 22:05:03

Date: 9.FEB.2023 22:13:30

Highest Channel / QPSK



Date: 9.FEB.2023 22:14:52



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	0.0026	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0016	

Note:

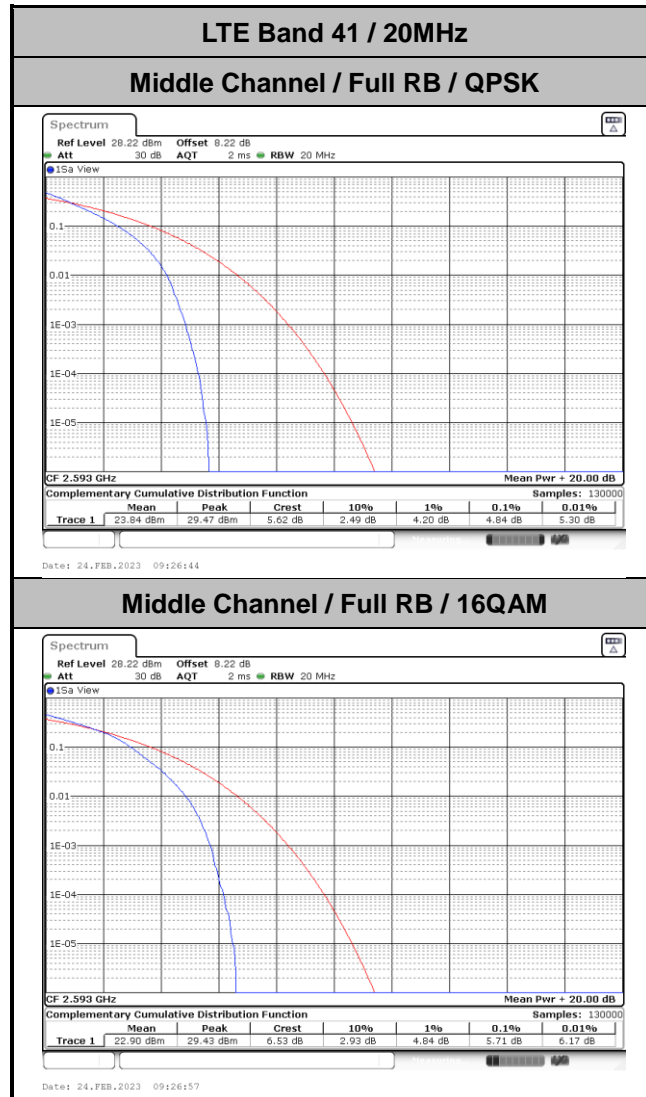
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.41V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

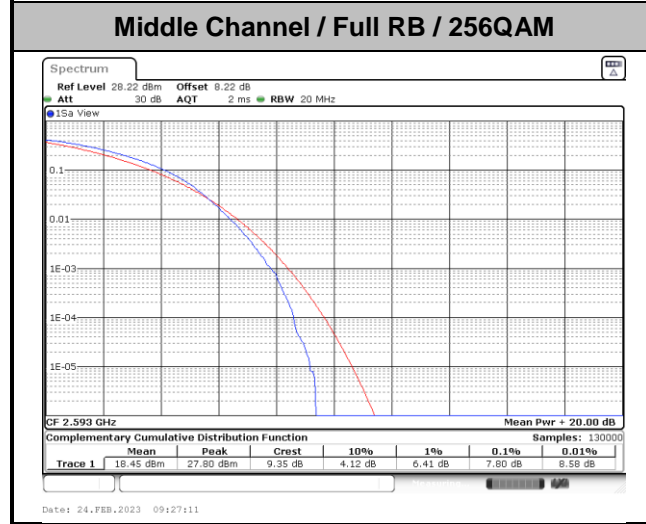
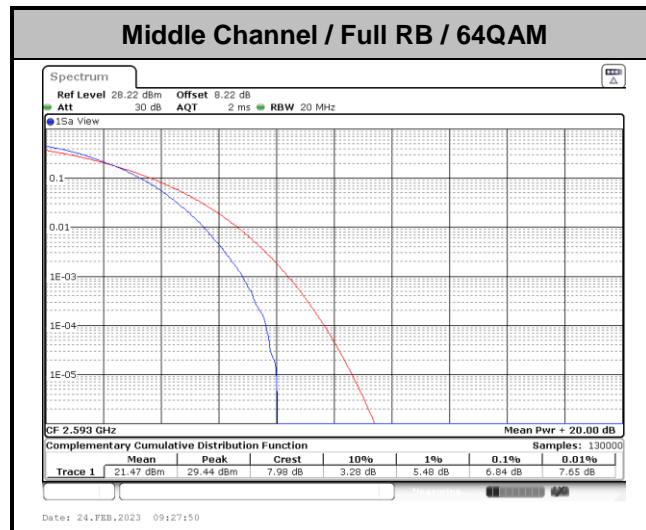


LTE Band 41 for Other PA

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	4.84	5.71	6.84	7.80	PASS

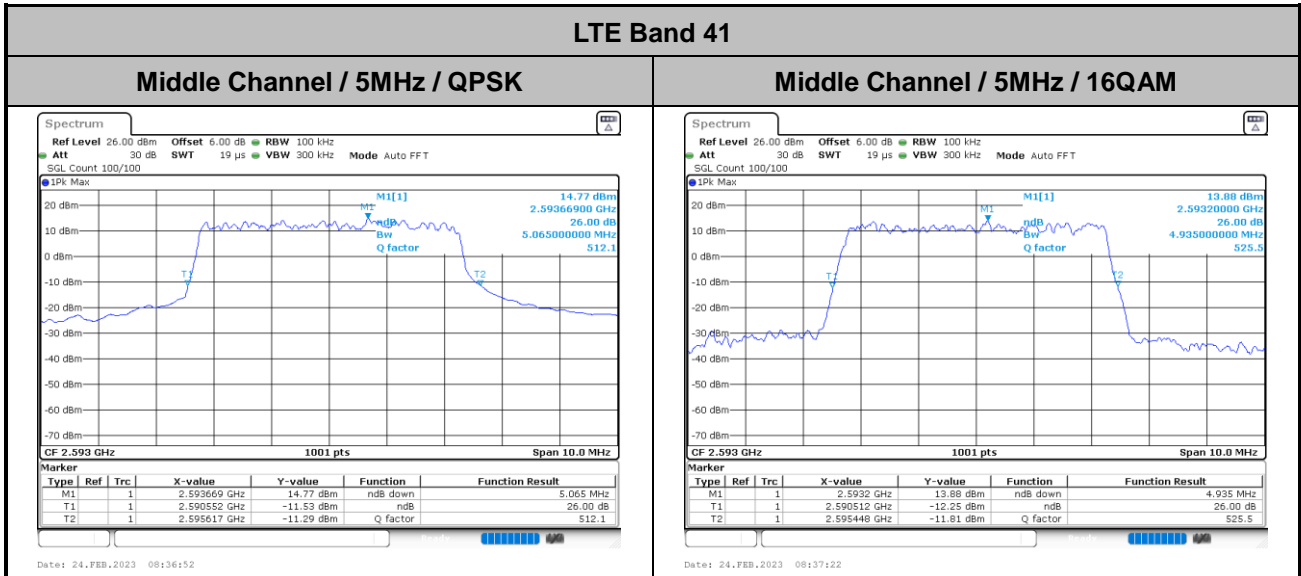






26dB Bandwidth

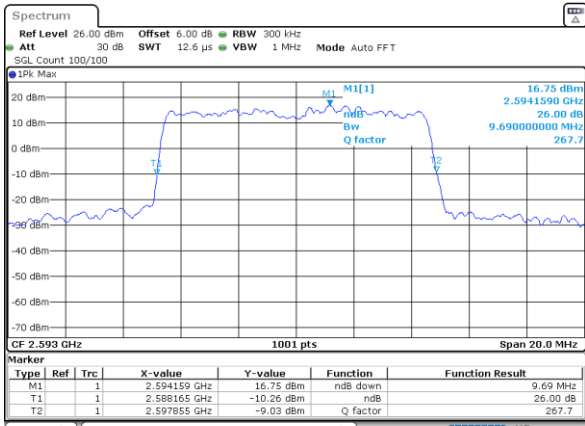
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.07	4.94
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.69	9.61
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.54	14.42
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.94	19.02





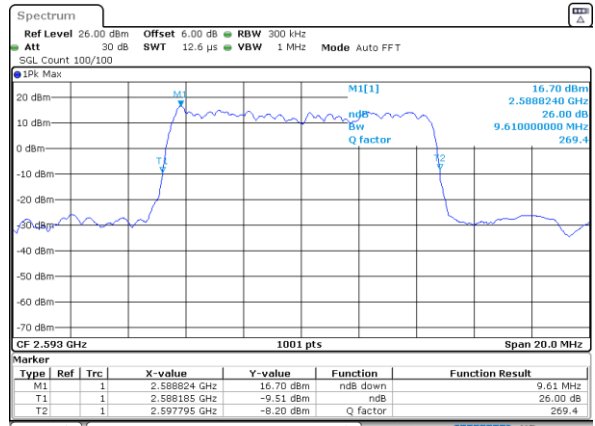
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 24.FEB.2023 08:55:03

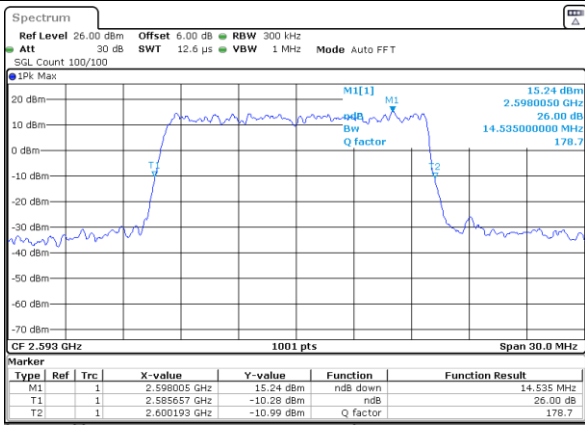
Middle Channel / 10MHz / 16QAM



Date: 24.FEB.2023 08:55:122

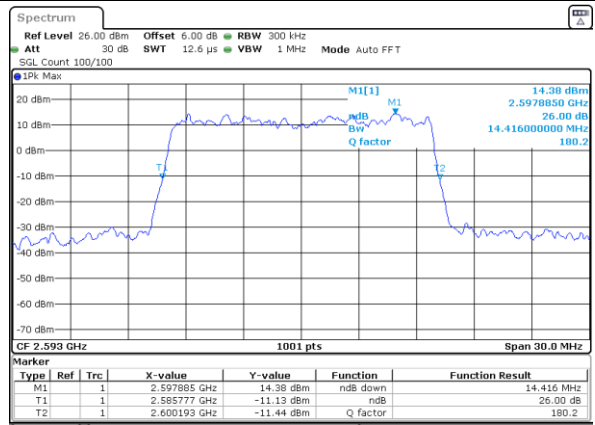
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 24.FEB.2023 09:06:02

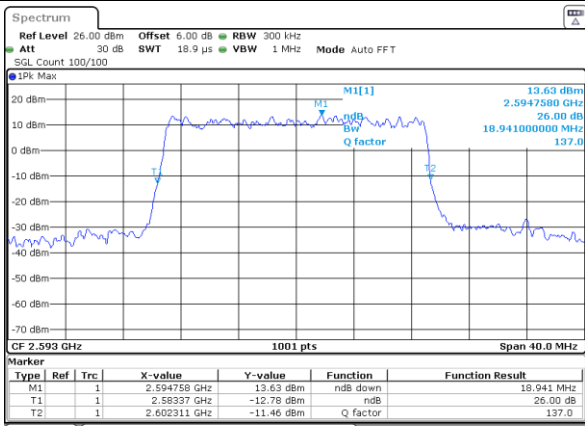
Middle Channel / 15MHz / 16QAM



Date: 24.FEB.2023 09:06:130

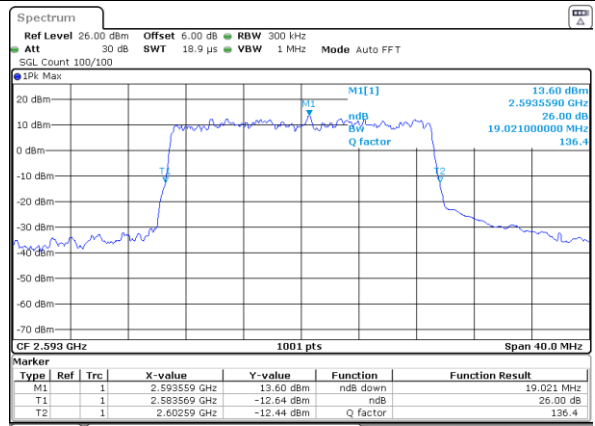
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 24.FEB.2023 09:28:36

Middle Channel / 20MHz / 16QAM

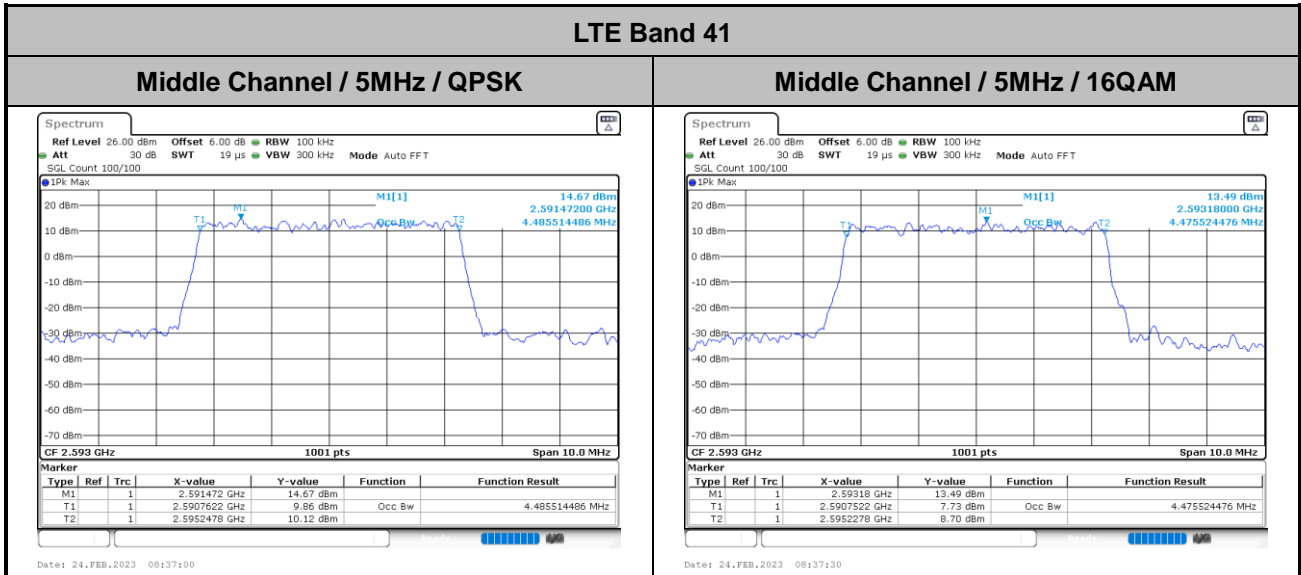


Date: 24.FEB.2023 09:29:06



Occupied Bandwidth

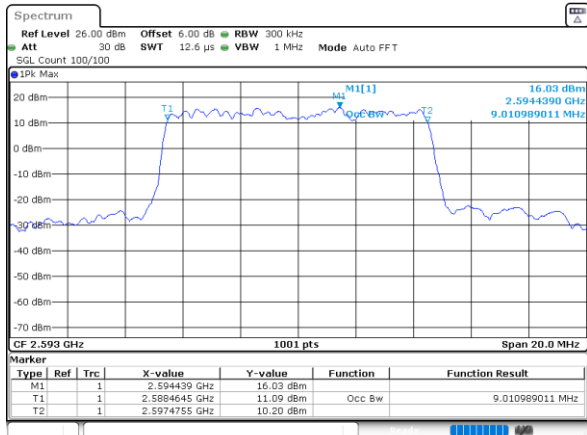
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.90





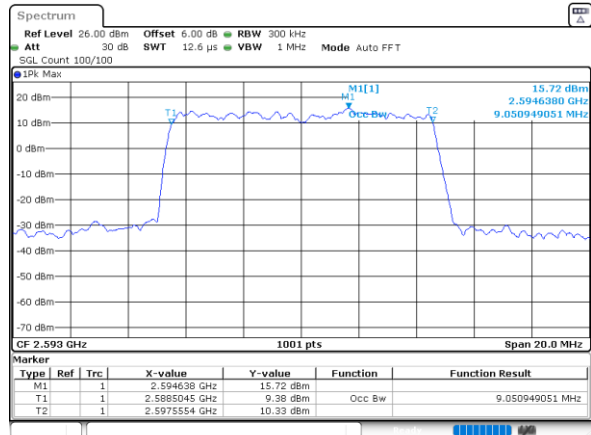
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 24.FEB.2023 08:55:10

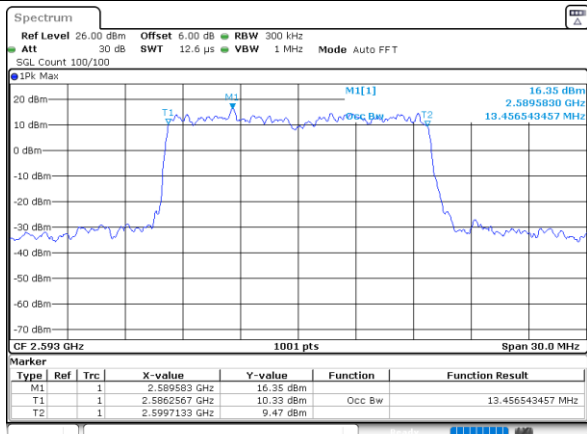
Middle Channel / 10MHz / 16QAM



Date: 24.FEB.2023 08:55:129

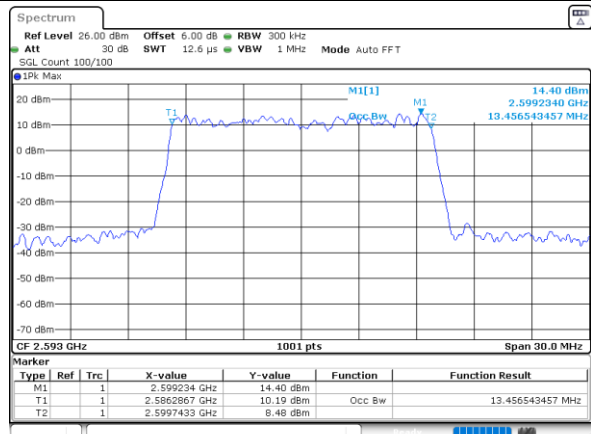
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 24.FEB.2023 09:06:14

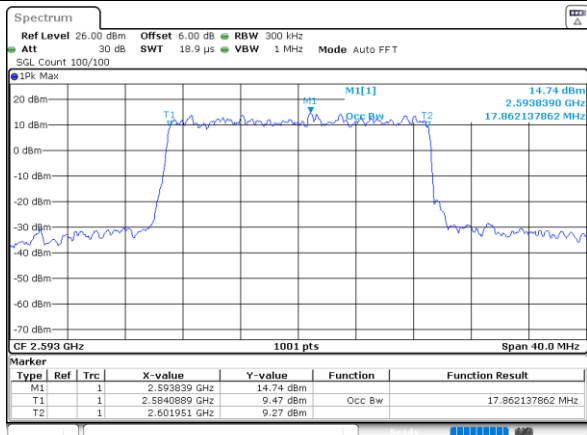
Middle Channel / 15MHz / 16QAM



Date: 24.FEB.2023 09:06:137

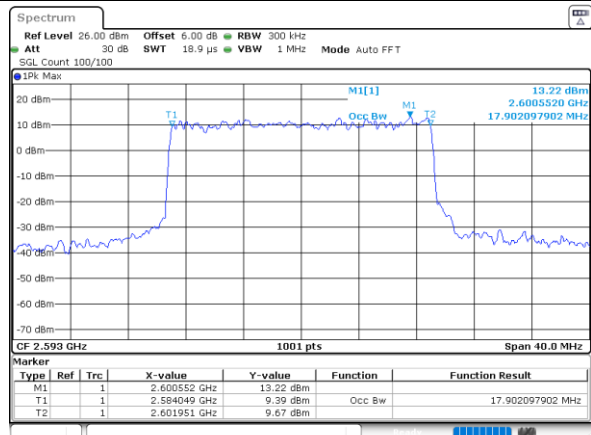
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 24.FEB.2023 09:28:54

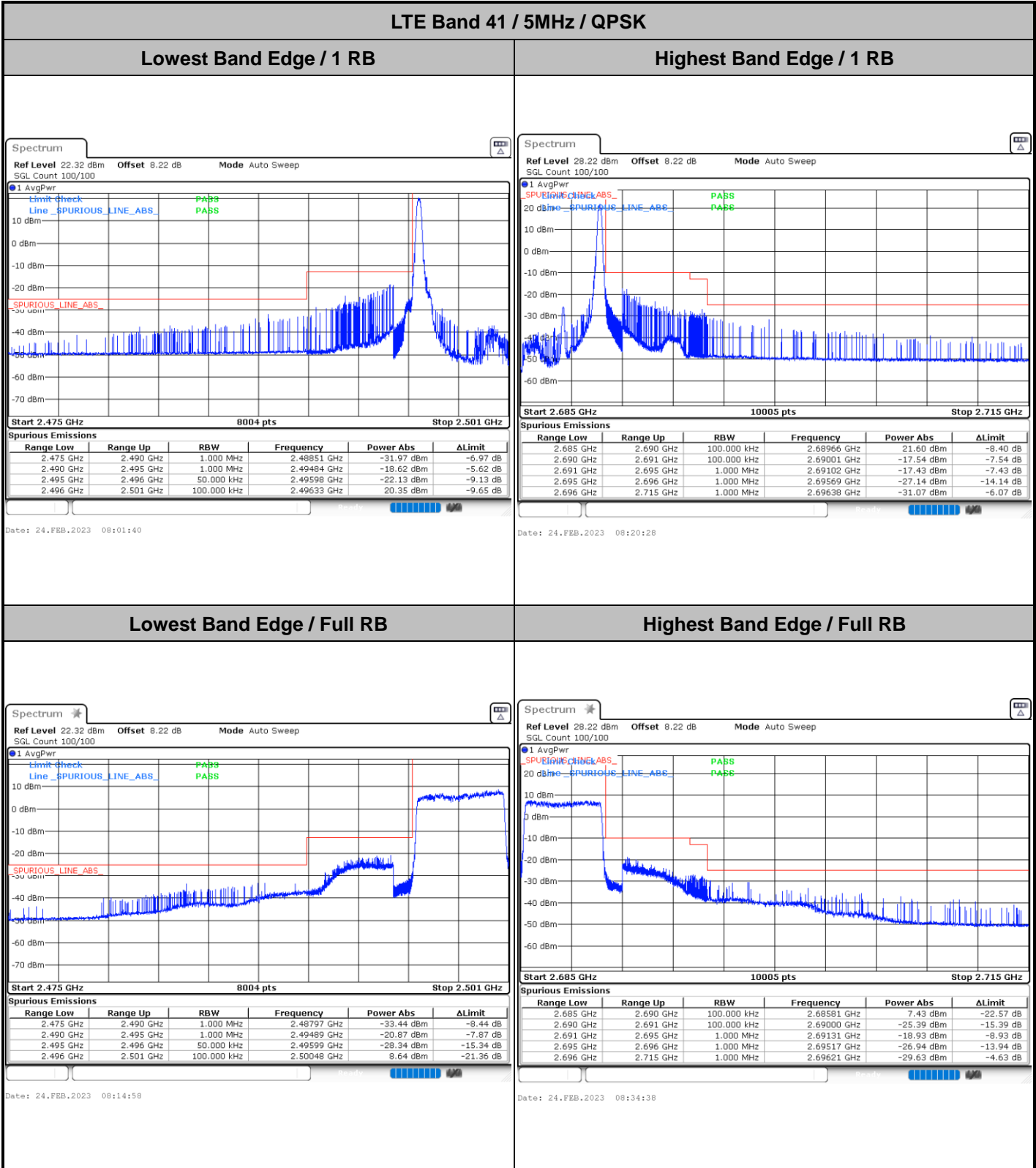
Middle Channel / 20MHz / 16QAM



Date: 24.FEB.2023 09:29:114



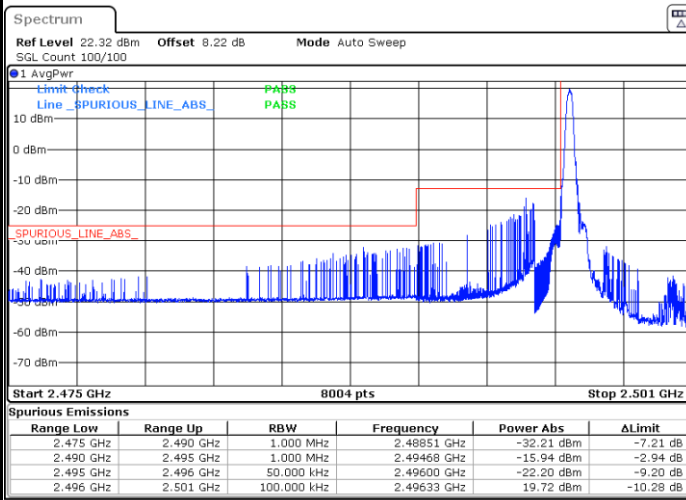
Conducted Band Edge





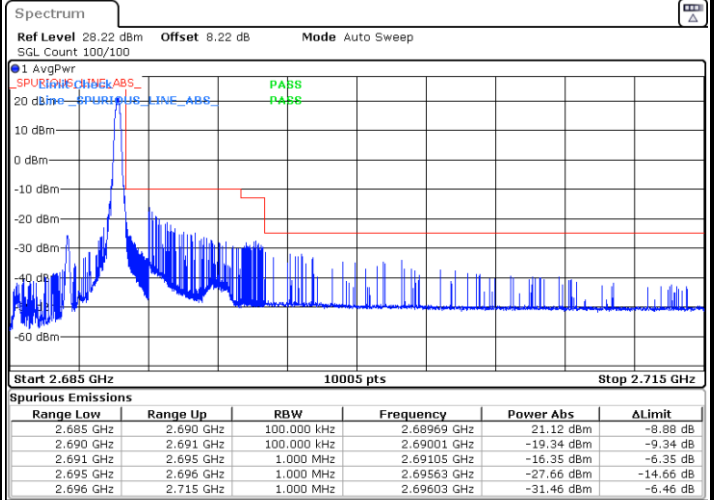
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



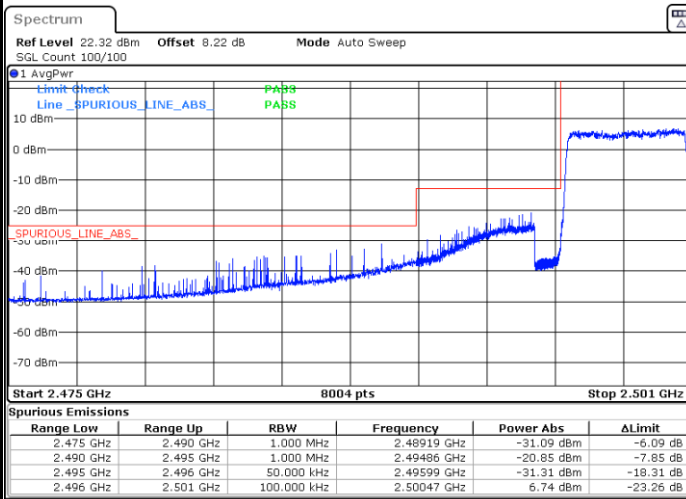
Date: 24.FEB.2023 08:04:34

Highest Band Edge / 1 RB



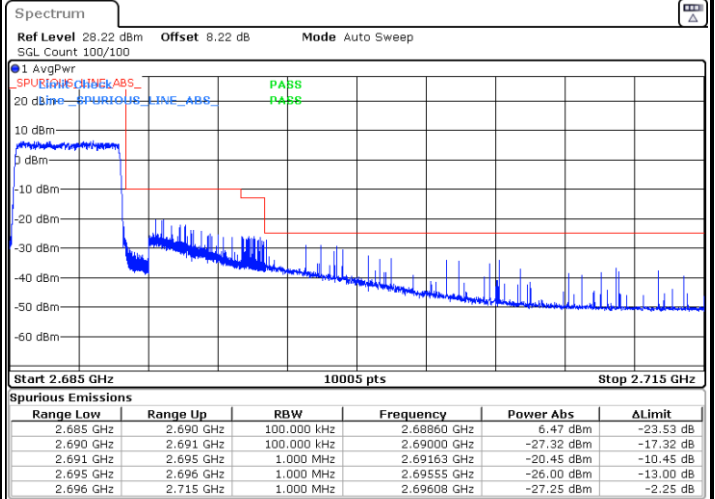
Date: 24.FEB.2023 08:20:48

Lowest Band Edge / Full RB



Date: 24.FEB.2023 08:15:22

Highest Band Edge / Full RB

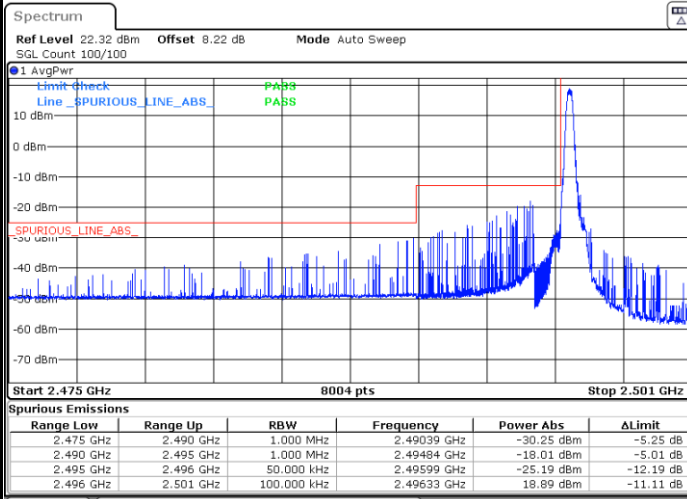


Date: 24.FEB.2023 08:35:01



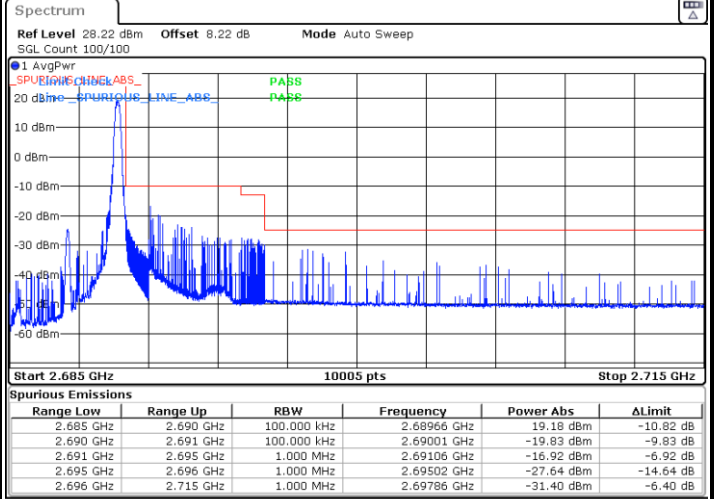
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



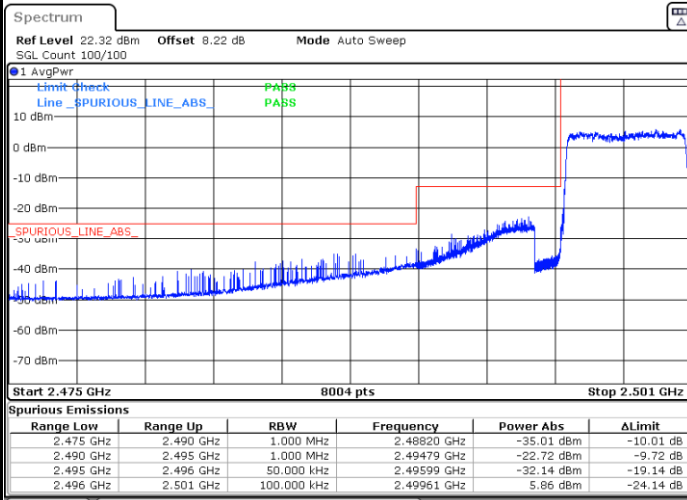
Date: 24.FEB.2023 08:09:20

Highest Band Edge / 1 RB



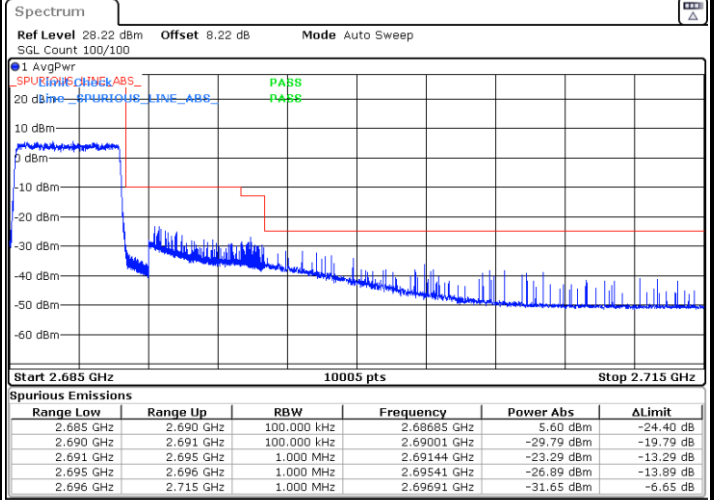
Date: 24.FEB.2023 08:21:46

Lowest Band Edge / Full RB



Date: 24.FEB.2023 08:16:56

Highest Band Edge / Full RB

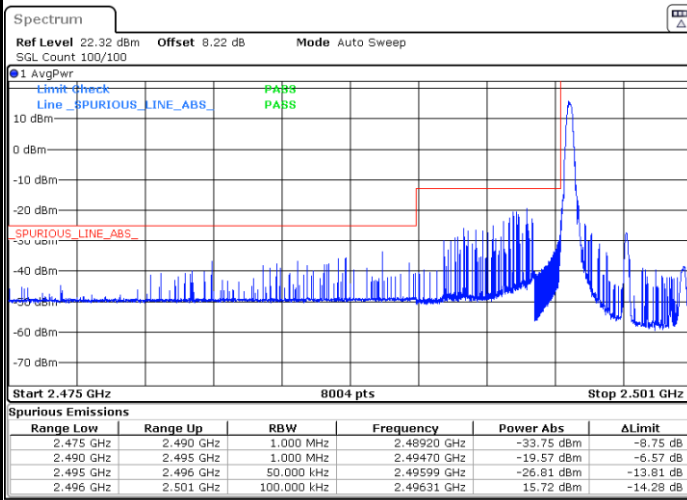


Date: 24.FEB.2023 08:36:23



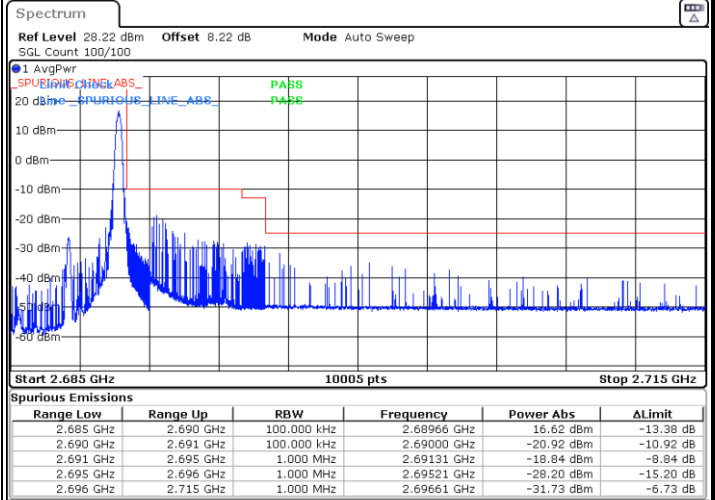
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



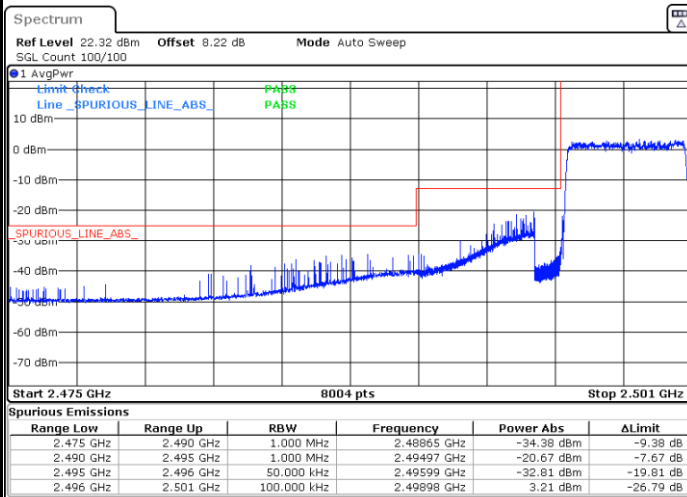
Date: 24.FEB.2023 08:08:44

Highest Band Edge / 1 RB



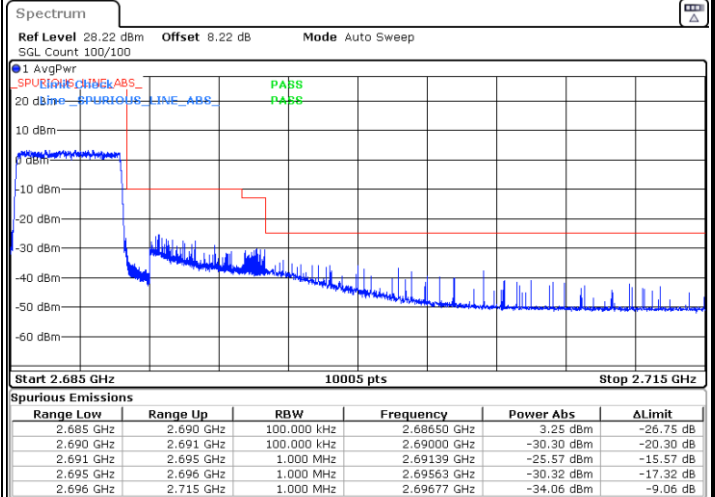
Date: 24.FEB.2023 08:21:20

Lowest Band Edge / Full RB



Date: 24.FEB.2023 08:15:47

Highest Band Edge / Full RB



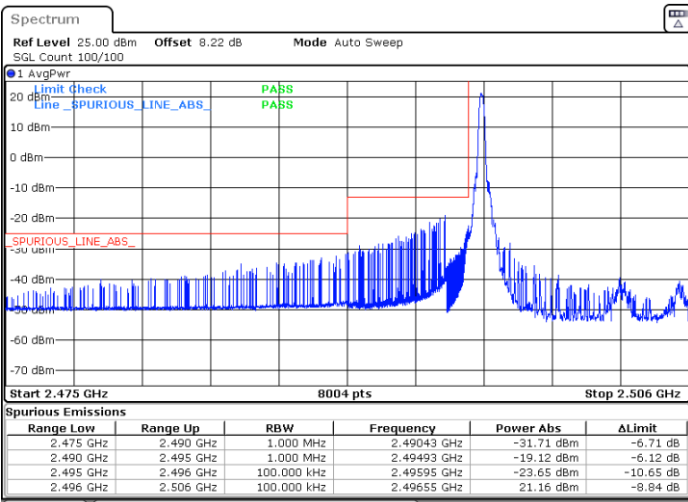
Date: 24.FEB.2023 08:35:23



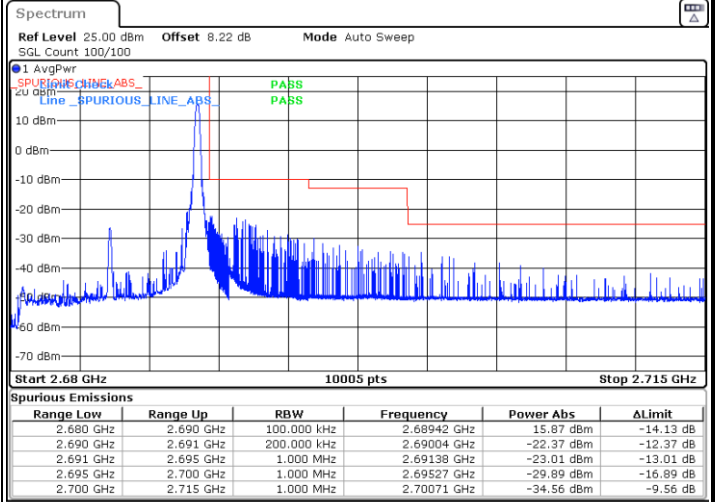
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



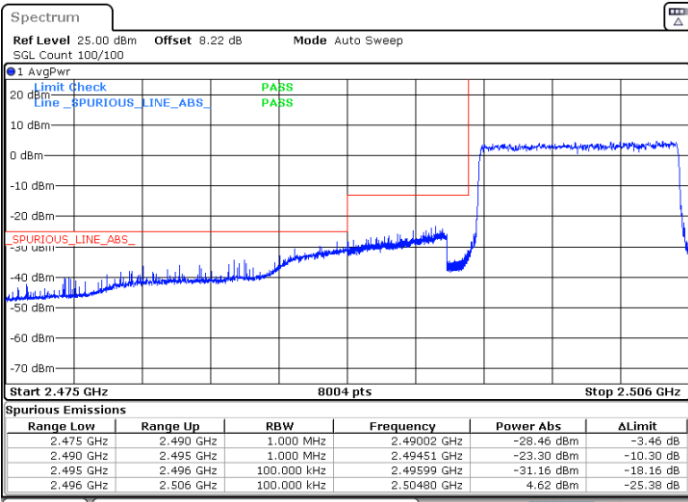
Date: 24.FEB.2023 08:42:51



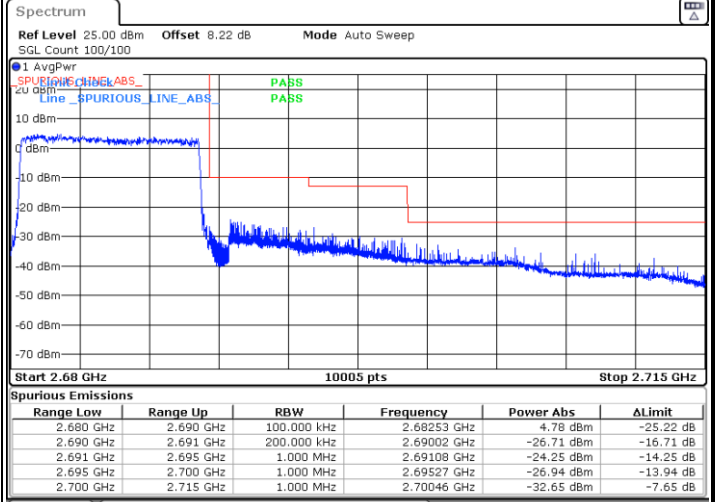
Date: 24.FEB.2023 08:51:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.FEB.2023 08:44:24

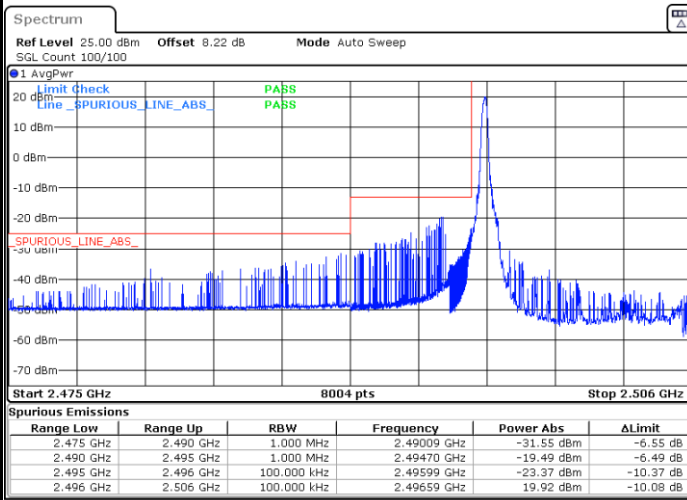


Date: 24.FEB.2023 08:52:36



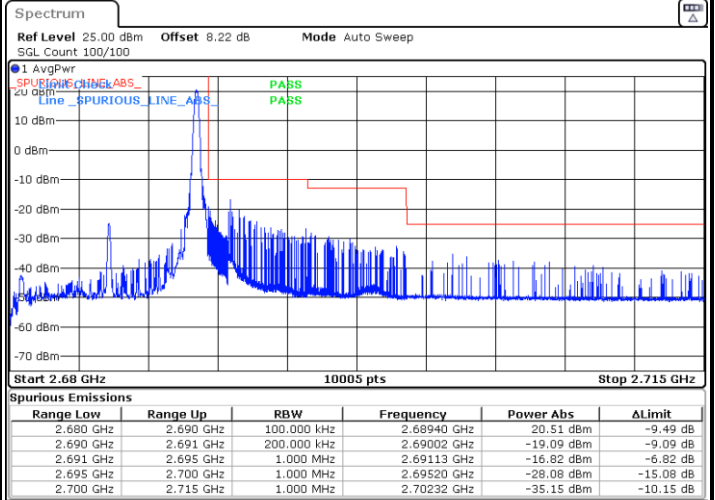
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



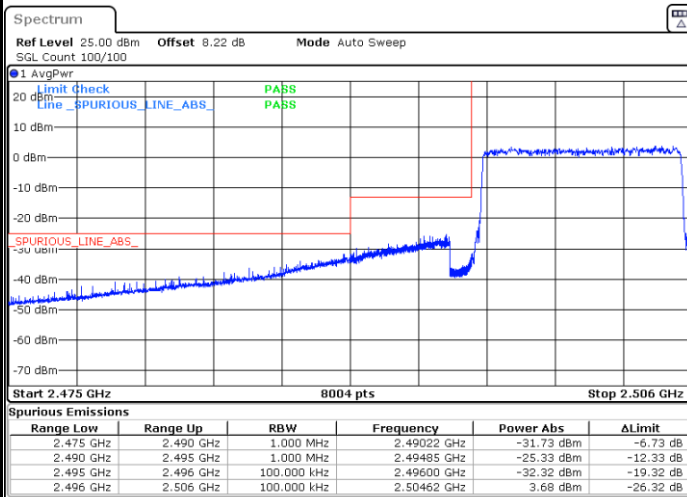
Date: 24.FEB.2023 08:43:09

Highest Band Edge / 1 RB



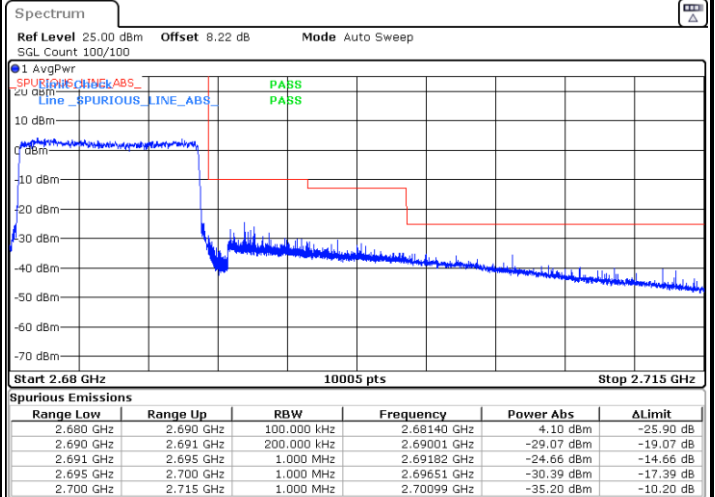
Date: 24.FEB.2023 08:51:27

Lowest Band Edge / Full RB



Date: 24.FEB.2023 08:44:39

Highest Band Edge / Full RB

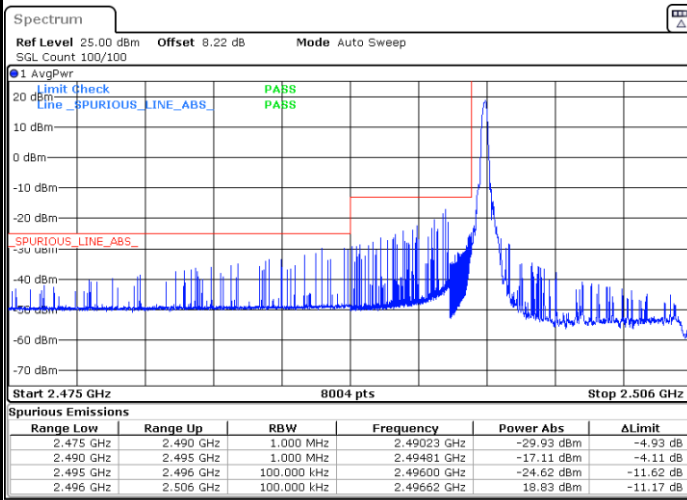


Date: 24.FEB.2023 08:53:00



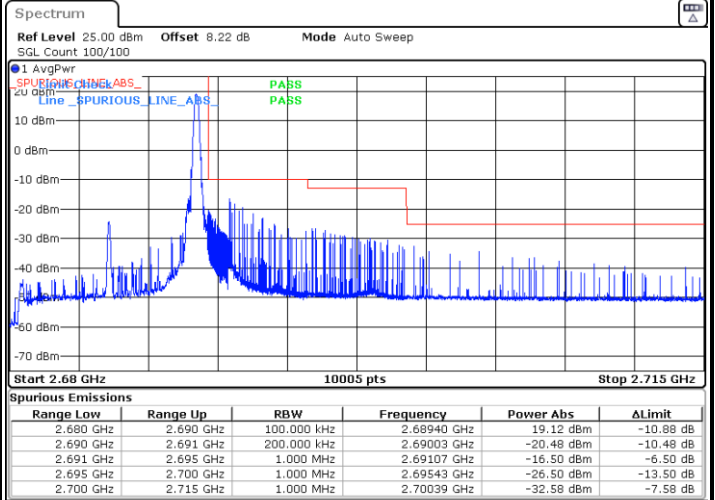
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



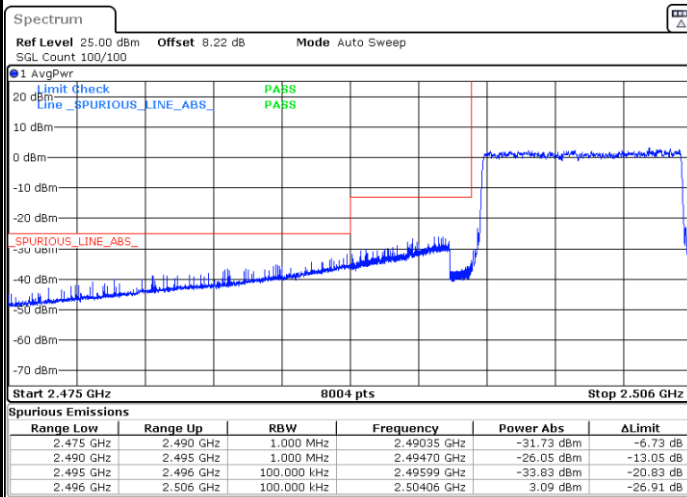
Date: 24.FEB.2023 08:43:53

Highest Band Edge / 1 RB



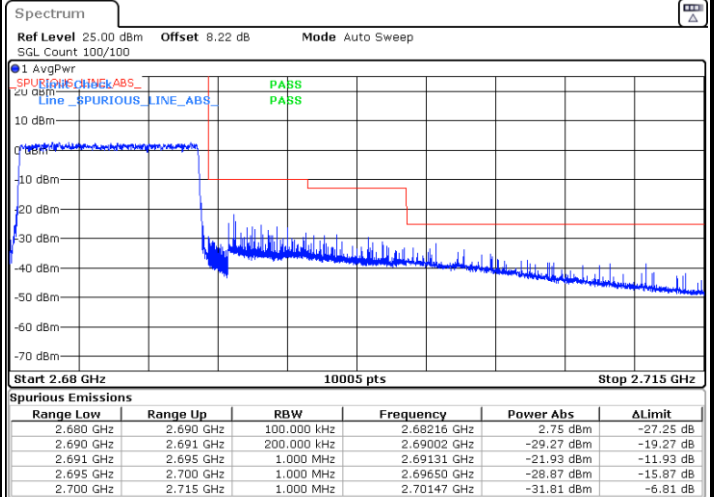
Date: 24.FEB.2023 08:52:12

Lowest Band Edge / Full RB



Date: 24.FEB.2023 08:46:22

Highest Band Edge / Full RB

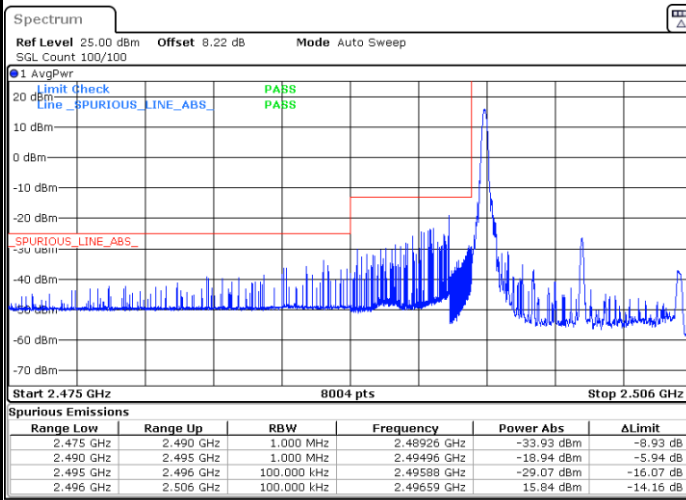


Date: 24.FEB.2023 08:53:44



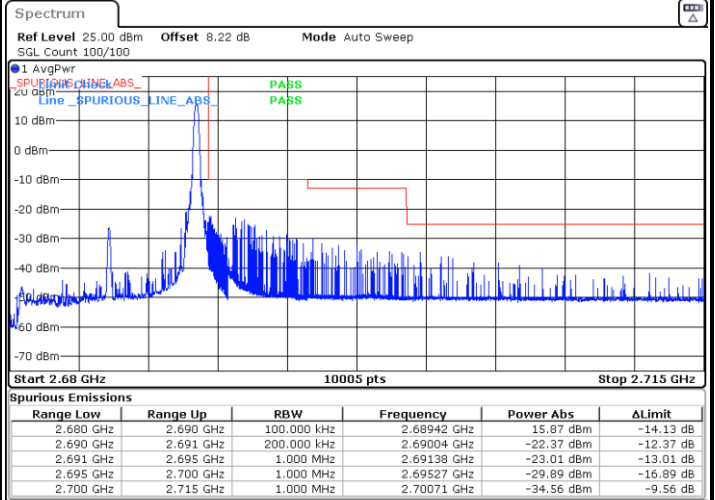
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1RB



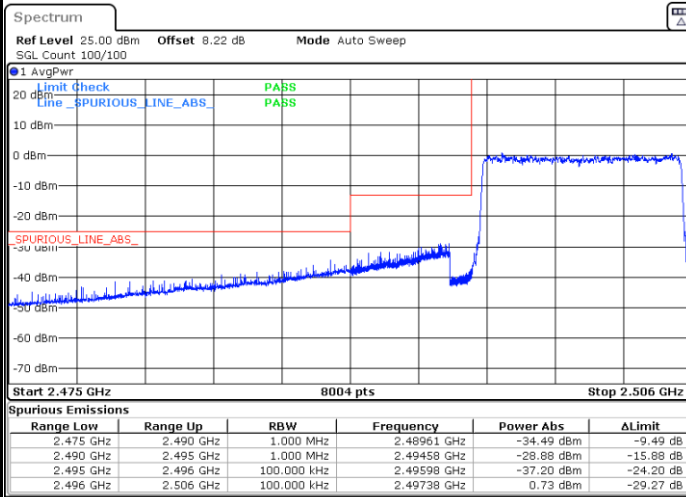
Date: 24.FEB.2023 08:43:28

Highest Band Edge / 1 RB



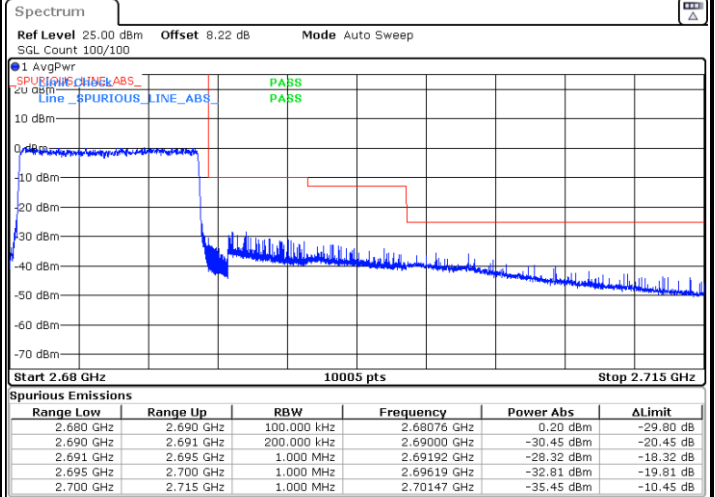
Date: 24.FEB.2023 08:51:44

Lowest Band Edge / Full RB



Date: 24.FEB.2023 08:45:46

Highest Band Edge / Full RB

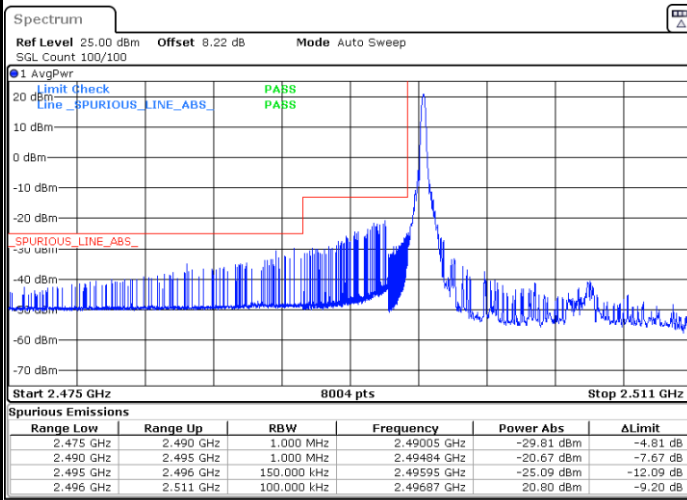


Date: 24.FEB.2023 08:53:17



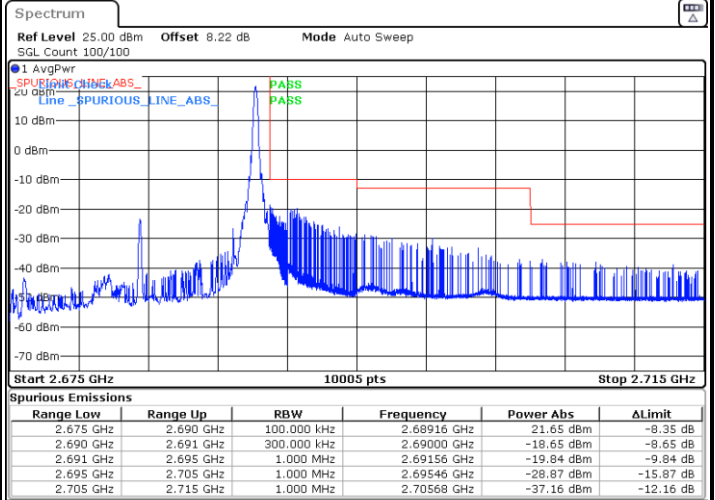
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



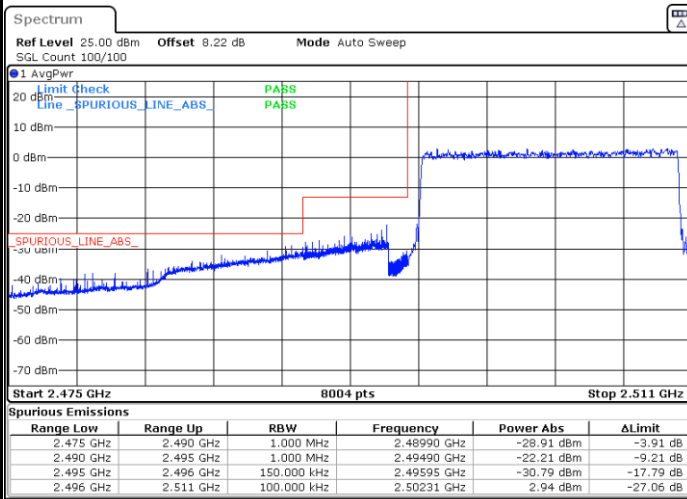
Date: 24.FEB.2023 08:59:51

Highest Band Edge / 1 RB



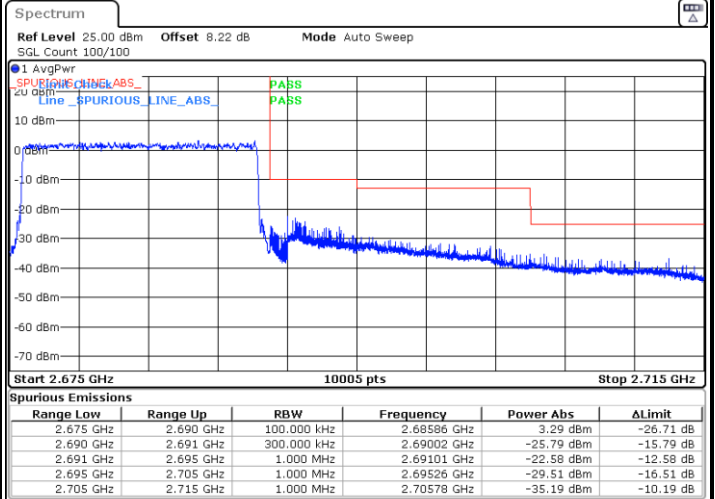
Date: 24.FEB.2023 09:13:02

Lowest Band Edge / Full RB



Date: 24.FEB.2023 09:01:36

Highest Band Edge / Full RB

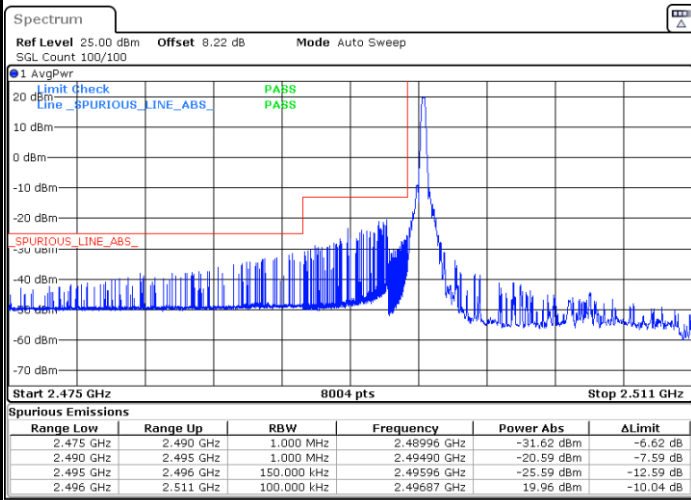


Date: 24.FEB.2023 09:14:32



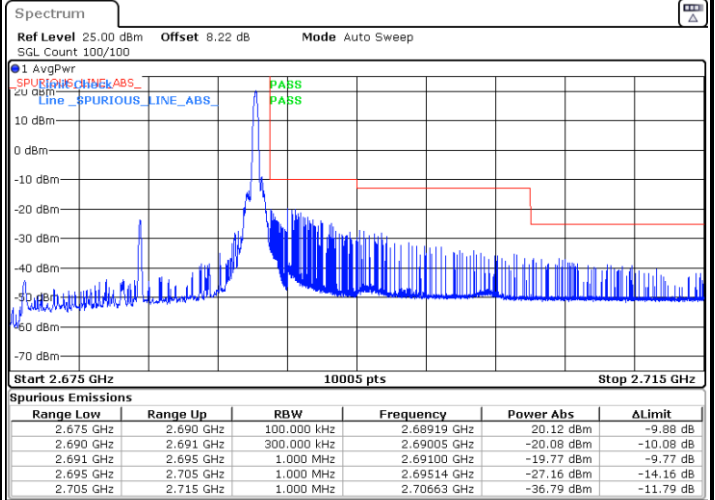
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



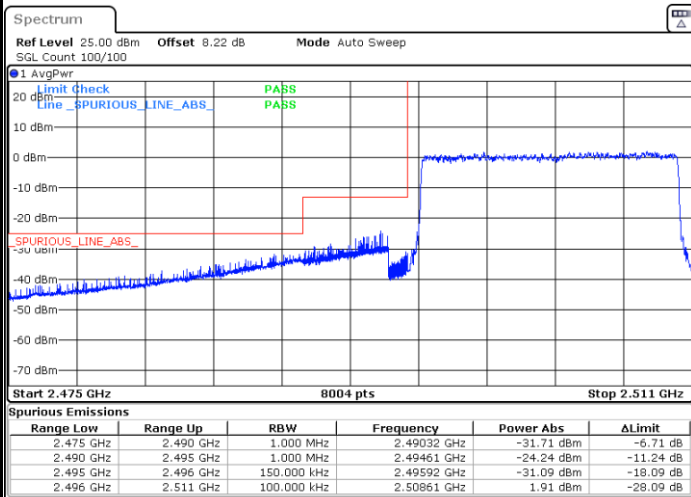
Date: 24.FEB.2023 09:00:18

Highest Band Edge / 1 RB



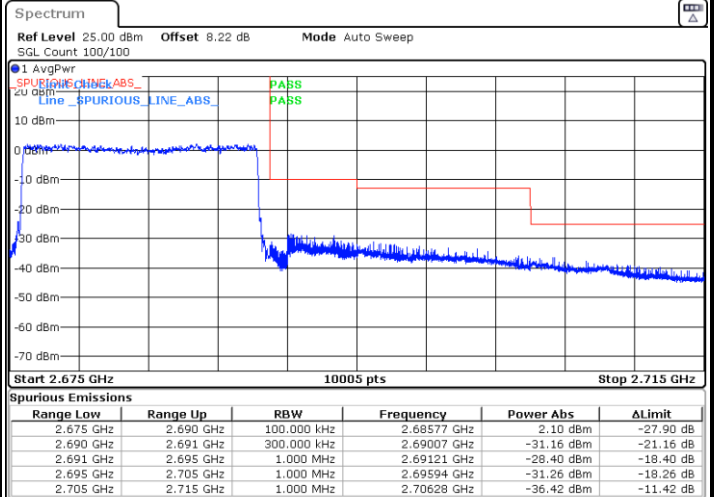
Date: 24.FEB.2023 09:13:19

Lowest Band Edge / Full RB



Date: 24.FEB.2023 09:01:53

Highest Band Edge / Full RB

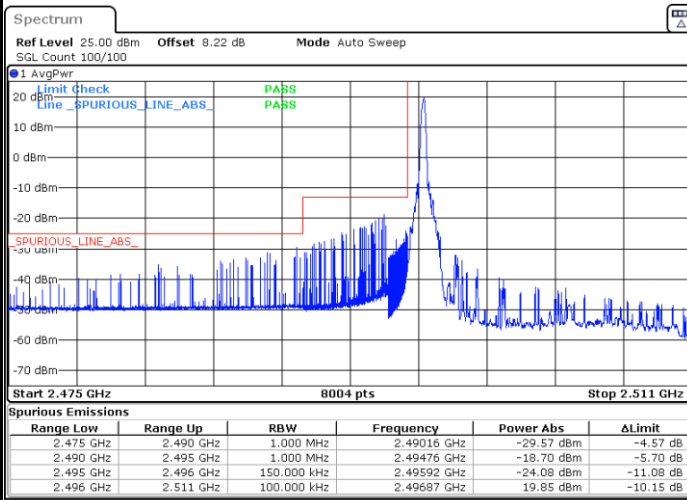


Date: 24.FEB.2023 09:14:48



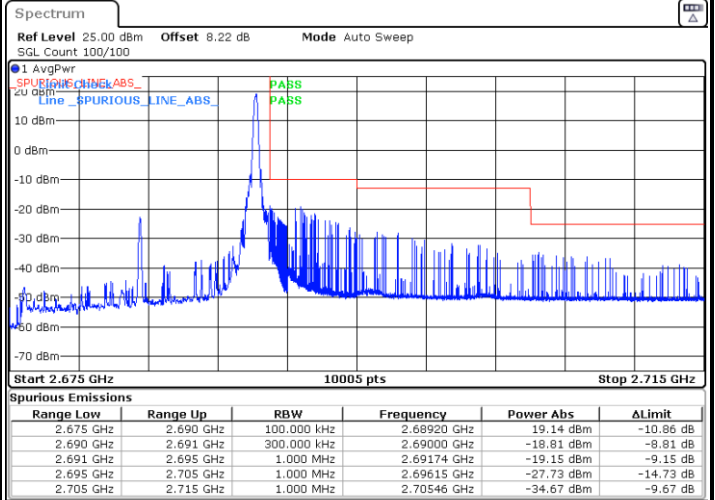
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



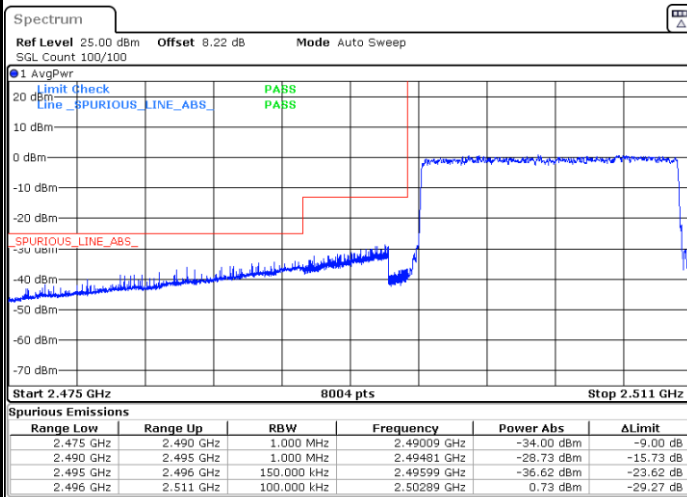
Date: 24.FEB.2023 09:01:09

Highest Band Edge / 1 RB



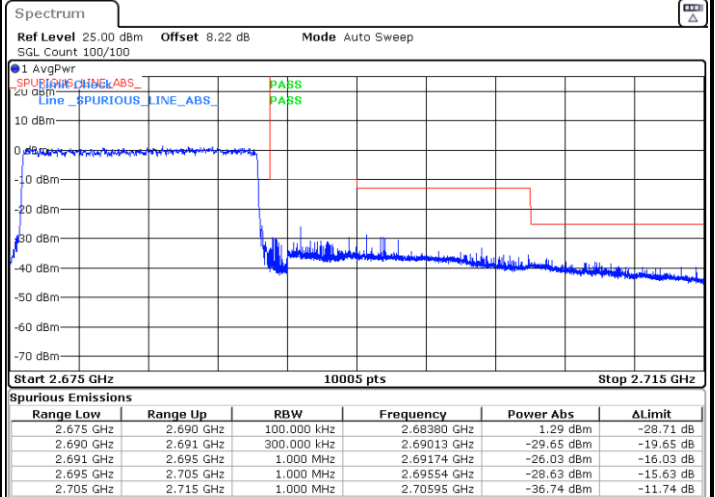
Date: 24.FEB.2023 09:14:11

Lowest Band Edge / Full RB



Date: 24.FEB.2023 09:02:43

Highest Band Edge / Full RB

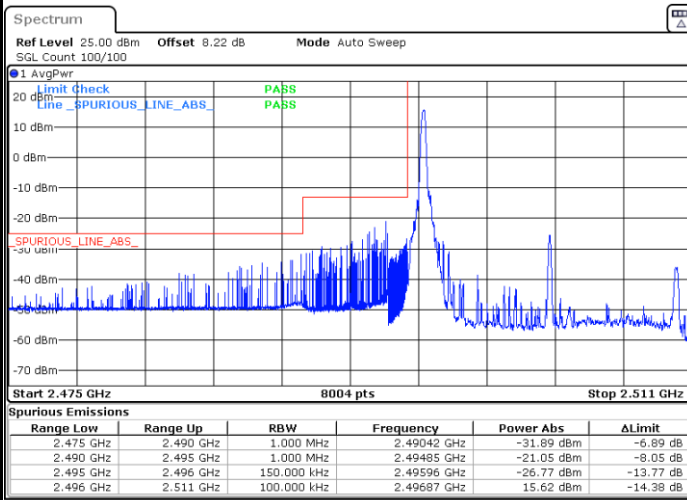


Date: 24.FEB.2023 09:15:53



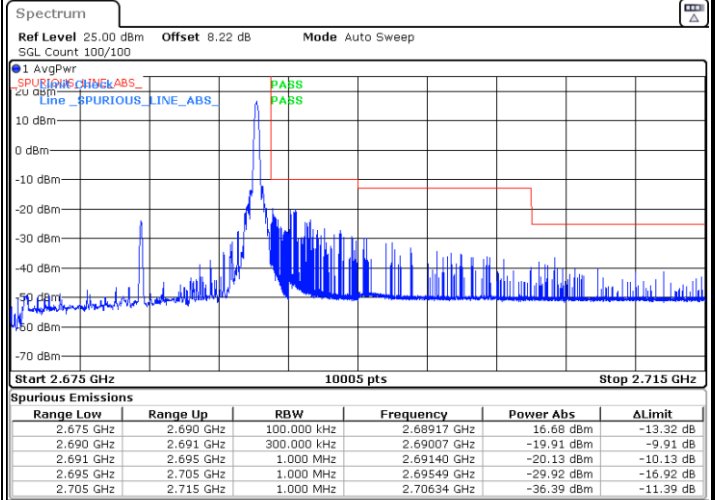
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1RB



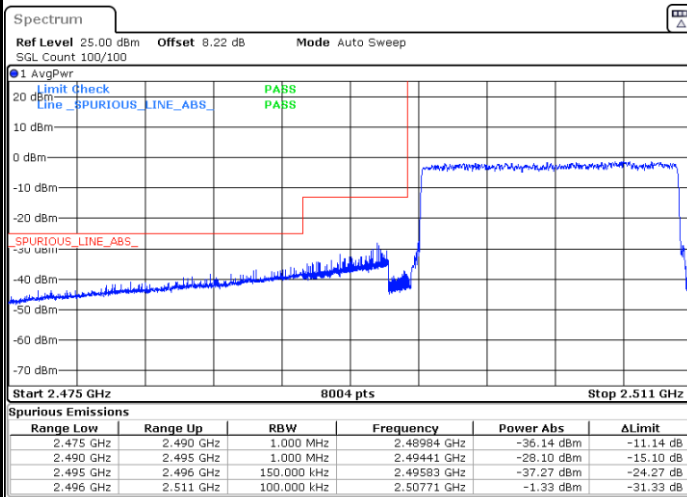
Date: 24.FEB.2023 09:00:36

Highest Band Edge / 1 RB



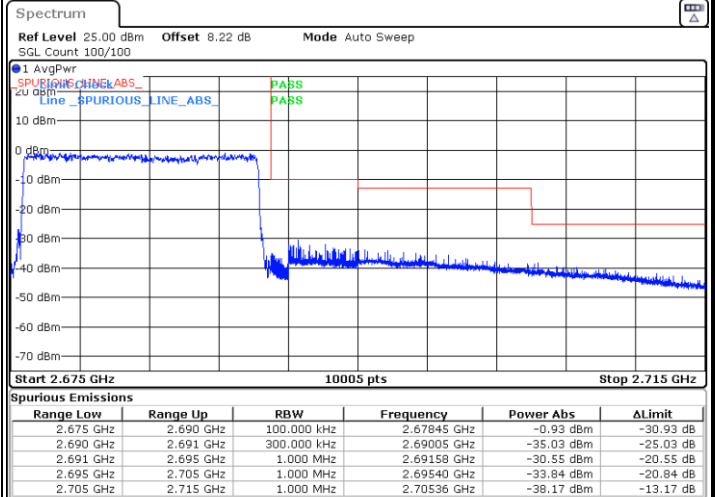
Date: 24.FEB.2023 09:13:45

Lowest Band Edge / Full RB



Date: 24.FEB.2023 09:02:14

Highest Band Edge / Full RB



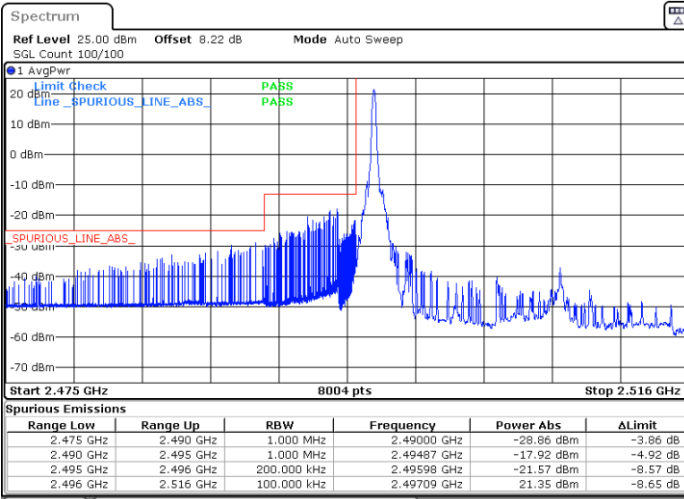
Date: 24.FEB.2023 09:15:04



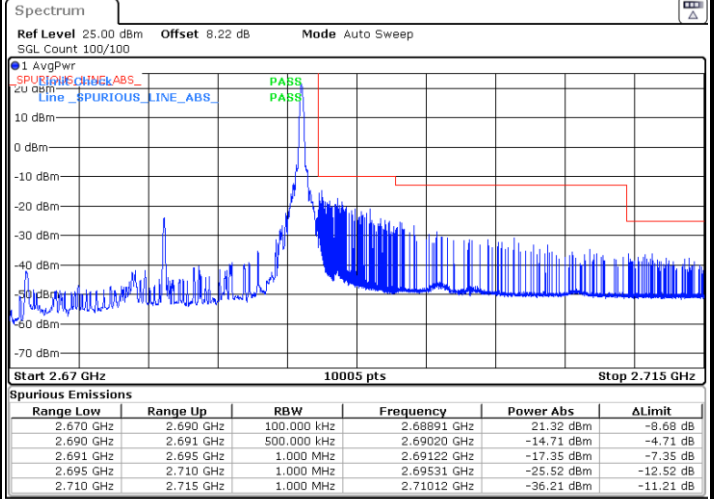
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



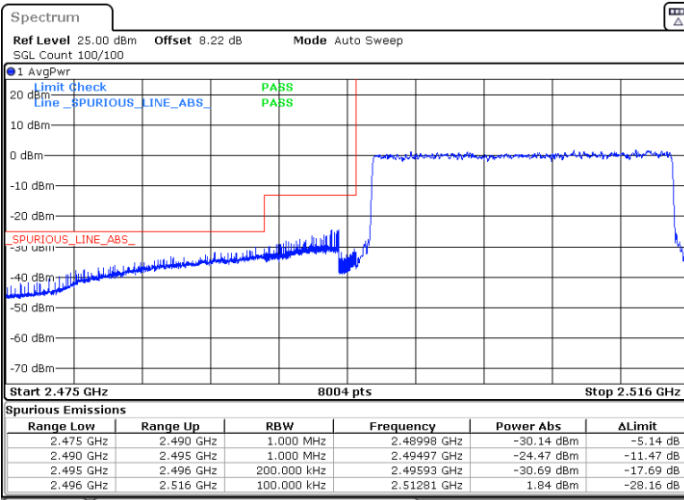
Date: 24.FEB.2023 09:20:11



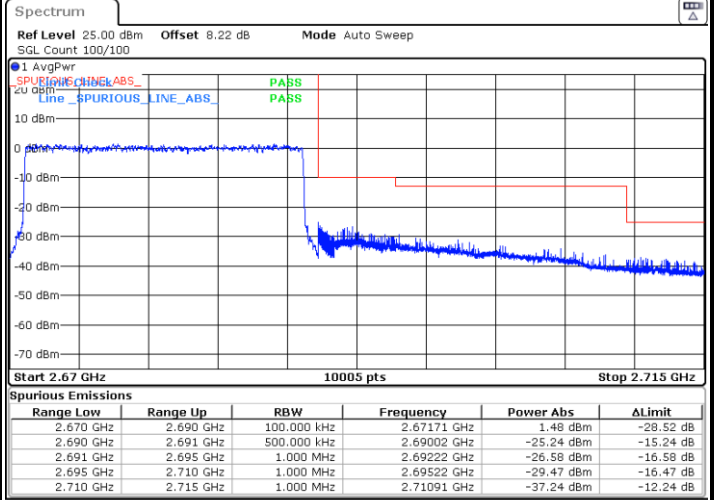
Date: 24.FEB.2023 09:31:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.FEB.2023 09:22:01



Date: 24.FEB.2023 09:32:57