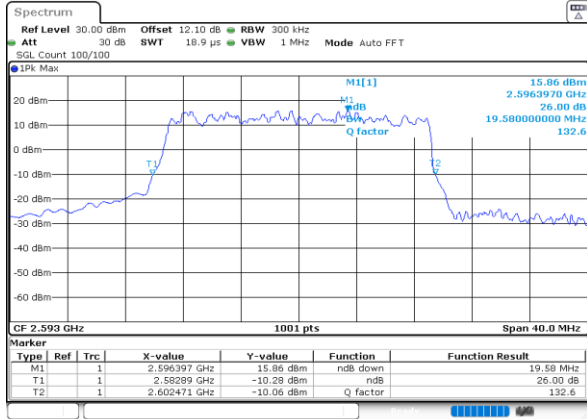




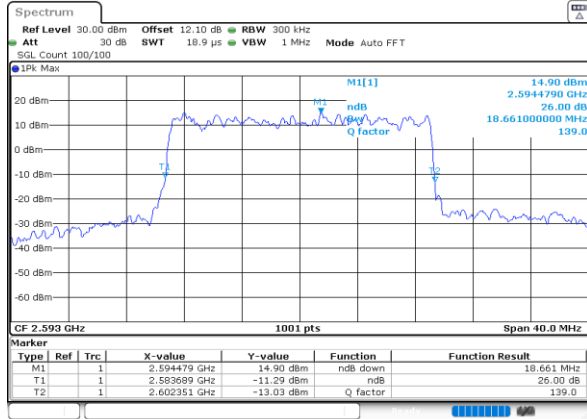
LTE Band 41

Middle Channel / 20MHz / QPSK



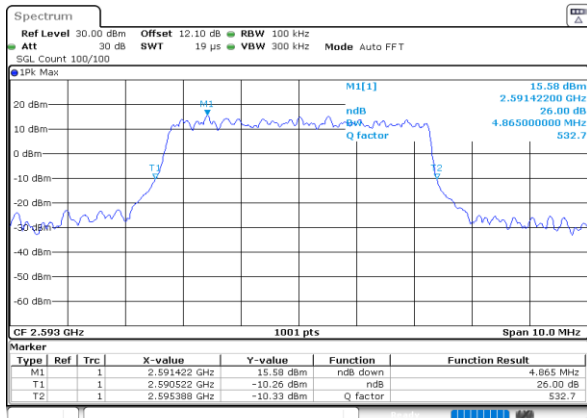
Date: 8.OCT.2022 01:37:13

Middle Channel / 20MHz / 16QAM



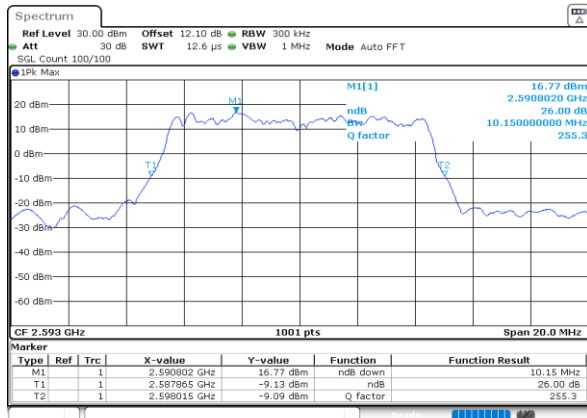
Date: 8.OCT.2022 01:37:57

Middle Channel / 5MHz / 64QAM



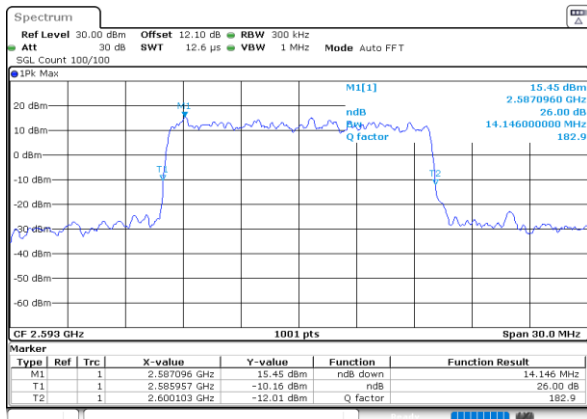
Date: 8.OCT.2022 01:22:10

Middle Channel / 10MHz / 64QAM



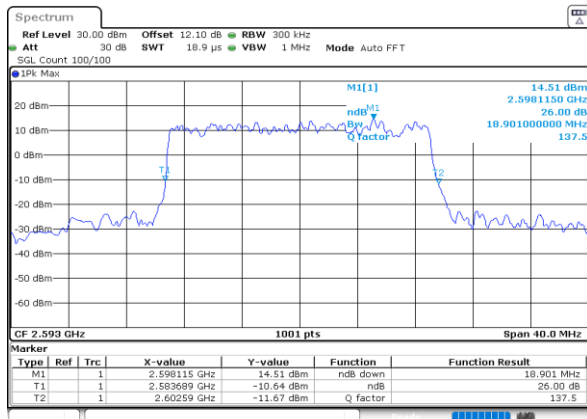
Date: 8.OCT.2022 01:28:18

Middle Channel / 15MHz / 64QAM



Date: 8.OCT.2022 01:34:35

Middle Channel / 20MHz / 64QAM

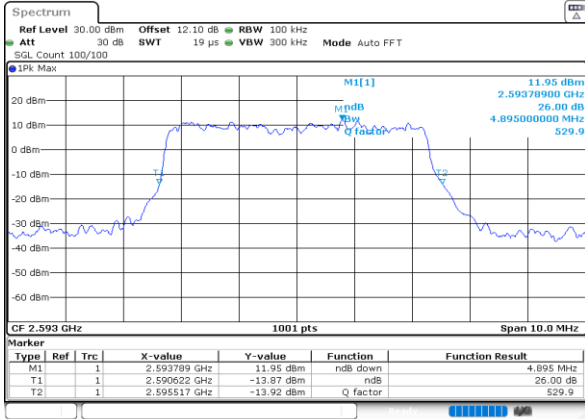


Date: 8.OCT.2022 01:38:37



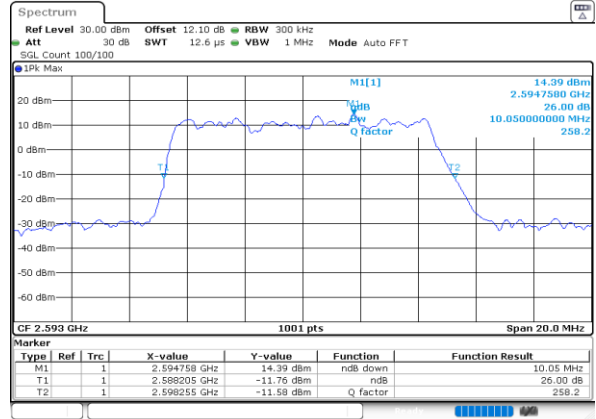
LTE Band 41

Middle Channel / 5MHz / 256QAM



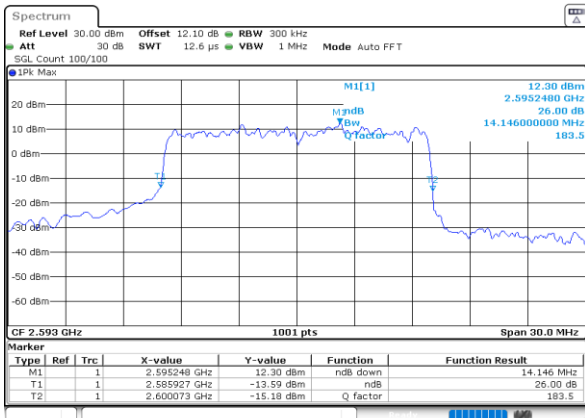
Date: 8.OCT.2022 01:44:24

Middle Channel / 10MHz / 256QAM



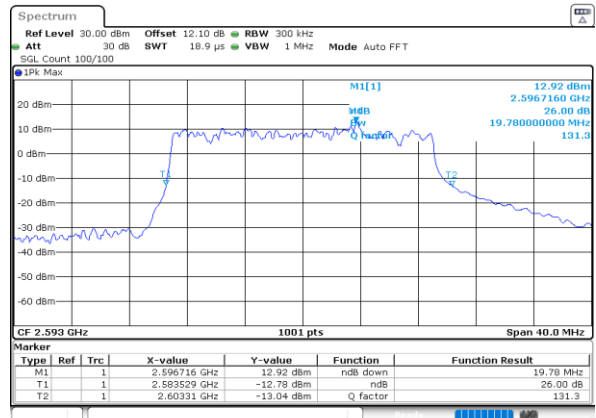
Date: 8.OCT.2022 01:49:03

Middle Channel / 15MHz / 256QAM



Date: 8.OCT.2022 01:53:42

Middle Channel / 20MHz / 256QAM



Date: 8.OCT.2022 01:58:21



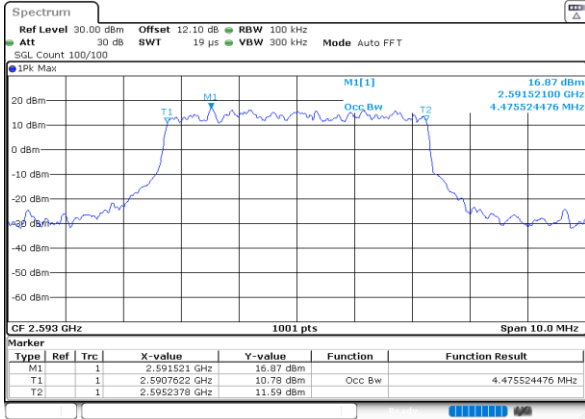
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.50	9.09	9.09	13.43	13.43	17.94	17.94
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.53	4.50	9.05	8.99	13.40	13.43	17.94	17.94



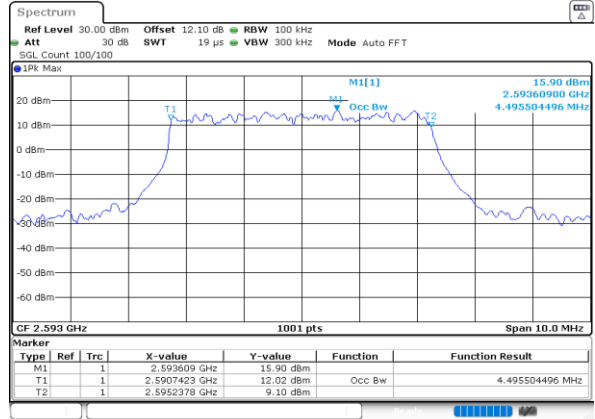
LTE Band 41

Middle Channel / 5MHz / QPSK



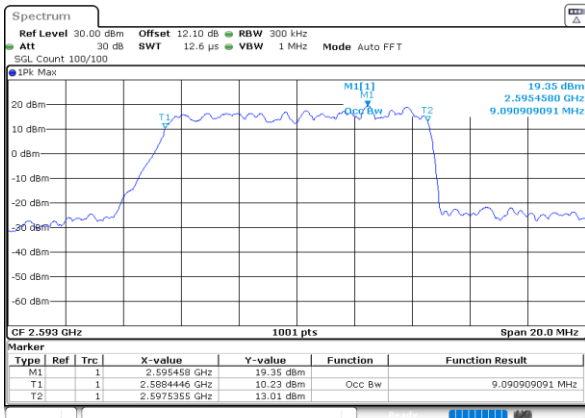
Date: 8.OCT.2022 01:20:02

Middle Channel / 5MHz / 16QAM



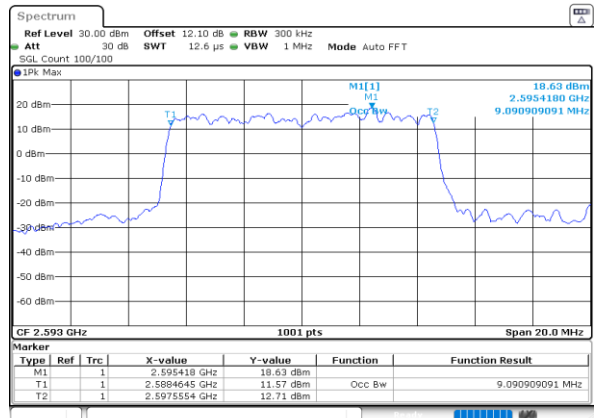
Date: 8.OCT.2022 01:20:28

Middle Channel / 10MHz / QPSK



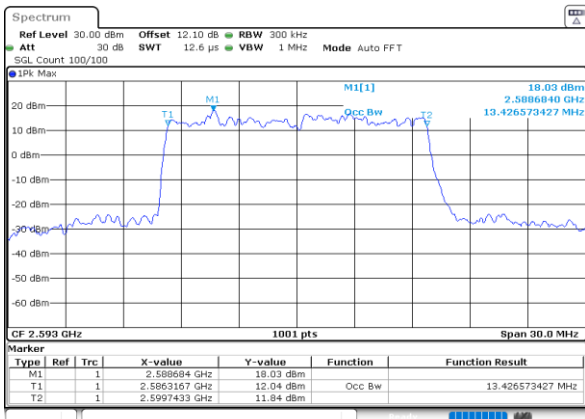
Date: 8.OCT.2022 01:26:20

Middle Channel / 10MHz / 16QAM



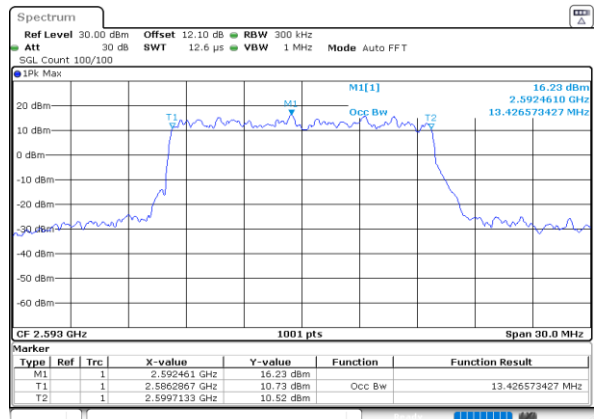
Date: 8.OCT.2022 01:26:46

Middle Channel / 15MHz / QPSK



Date: 8.OCT.2022 01:32:17

Middle Channel / 15MHz / 16QAM

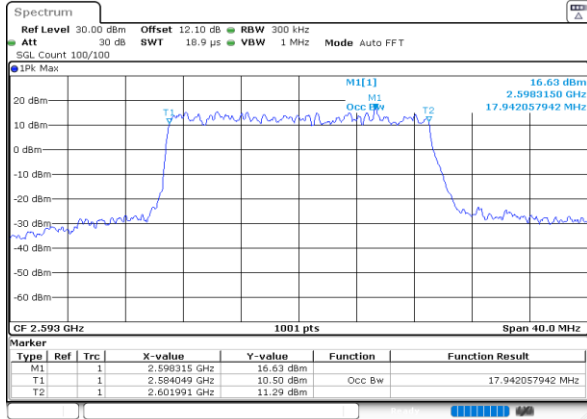


Date: 8.OCT.2022 01:33:03



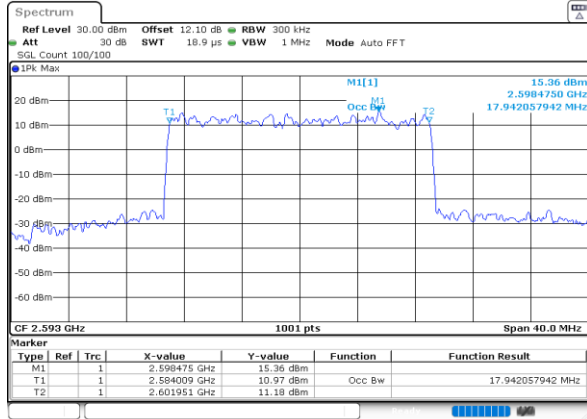
LTE Band 41

Middle Channel / 20MHz / QPSK



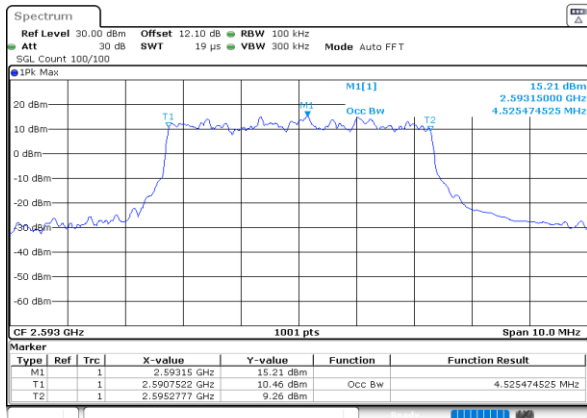
Date: 8.OCT.2022 01:36:19

Middle Channel / 20MHz / 16QAM



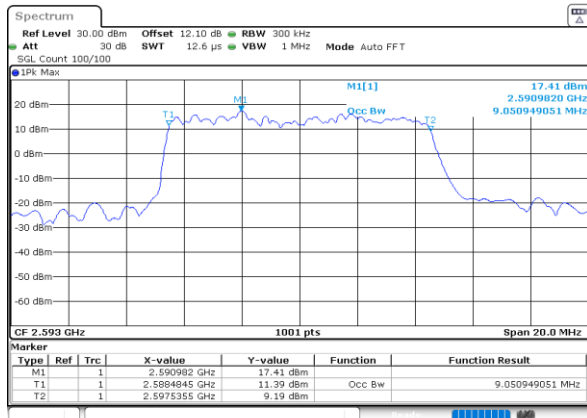
Date: 8.OCT.2022 01:37:05

Middle Channel / 5MHz / 64QAM



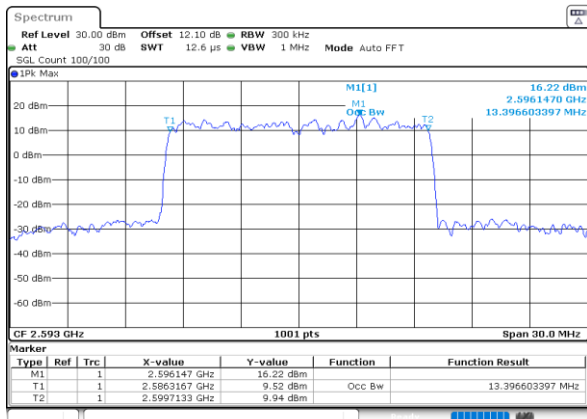
Date: 8.OCT.2022 01:21:46

Middle Channel / 10MHz / 64QAM



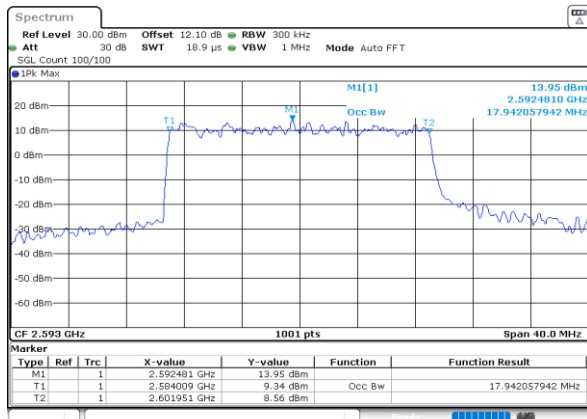
Date: 8.OCT.2022 01:28:04

Middle Channel / 15MHz / 64QAM



Date: 8.OCT.2022 01:34:21

Middle Channel / 20MHz / 64QAM

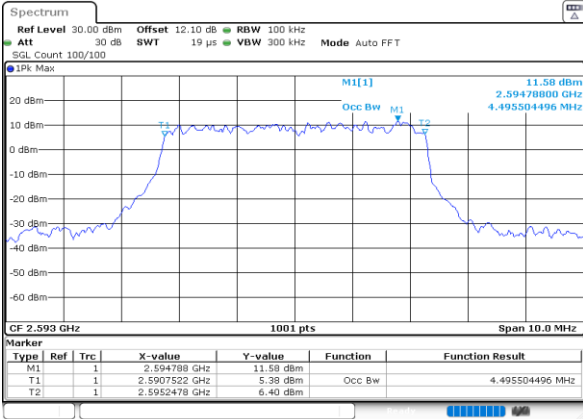


Date: 8.OCT.2022 01:38:23



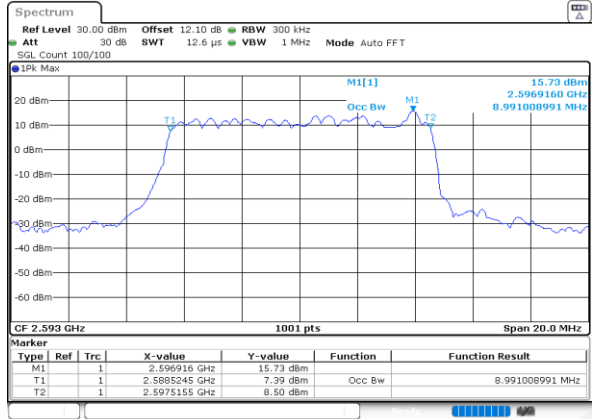
LTE Band 41

Middle Channel / 5MHz / 256QAM



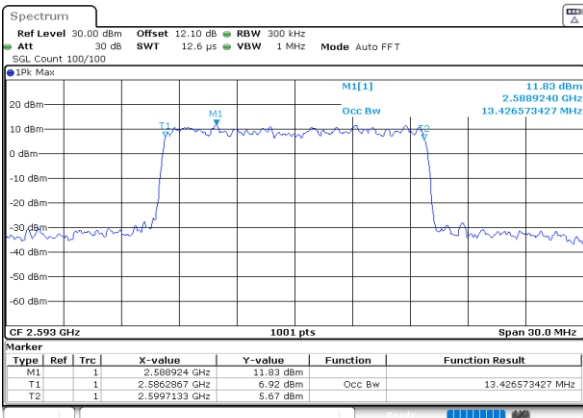
Date: 8.OCT.2022 01:44:10

Middle Channel / 10MHz / 256QAM



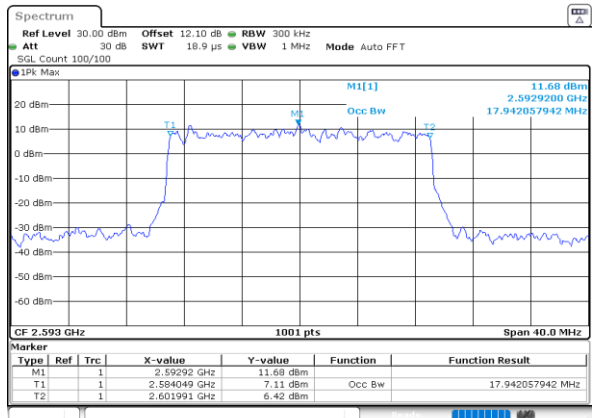
Date: 8.OCT.2022 01:48:49

Middle Channel / 15MHz / 256QAM



Date: 8.OCT.2022 01:53:28

Middle Channel / 20MHz / 256QAM



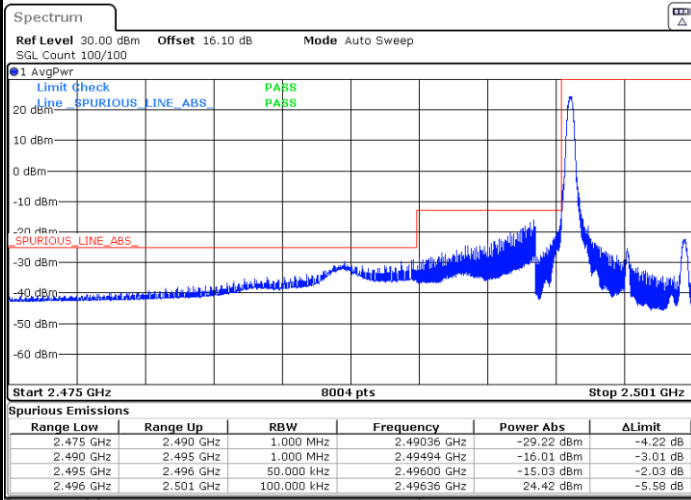
Date: 8.OCT.2022 01:58:07



Conducted Band Edge

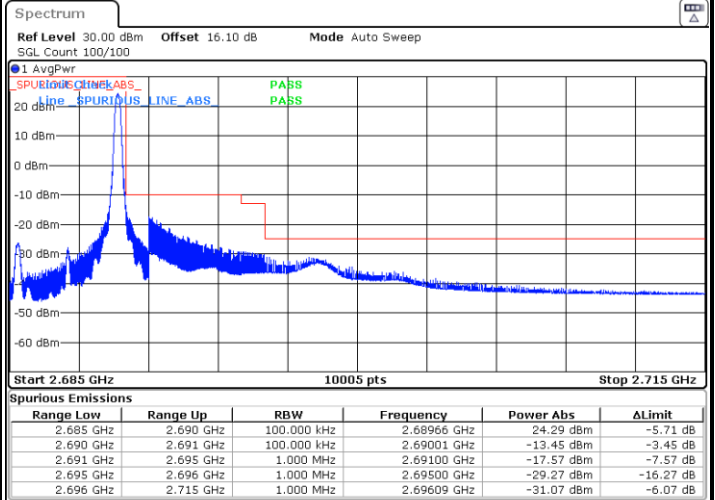
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



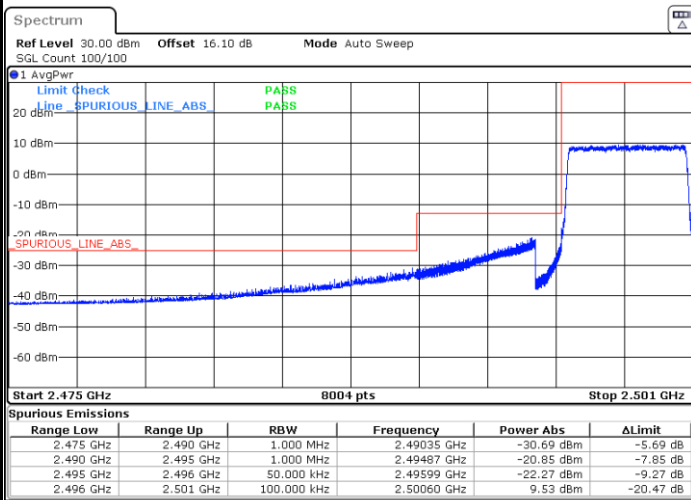
Date: 7.OCT.2022 23:57:28

Highest Band Edge / 1 RB



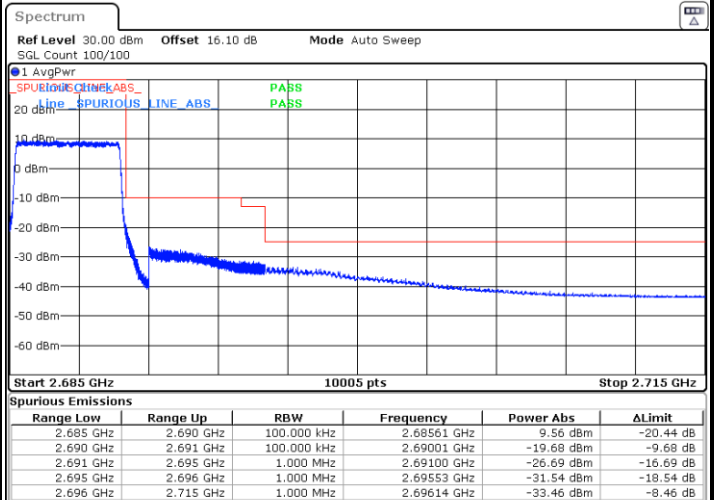
Date: 8.OCT.2022 00:01:22

Lowest Band Edge / Full RB



Date: 7.OCT.2022 23:59:21

Highest Band Edge / Full RB



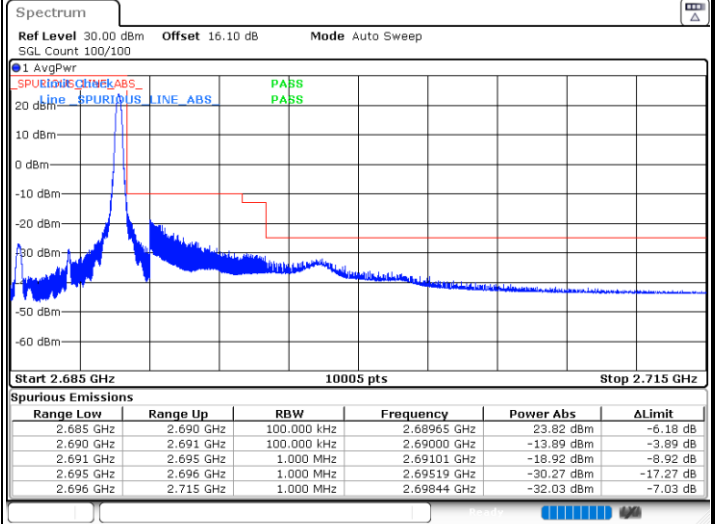
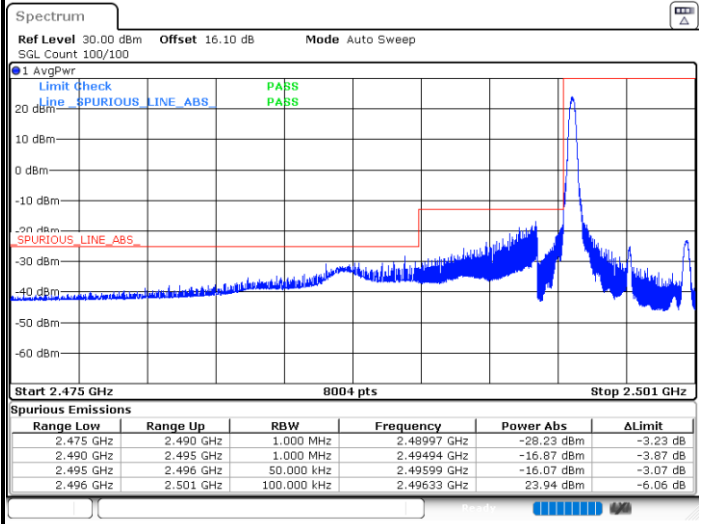
Date: 8.OCT.2022 00:03:30



LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

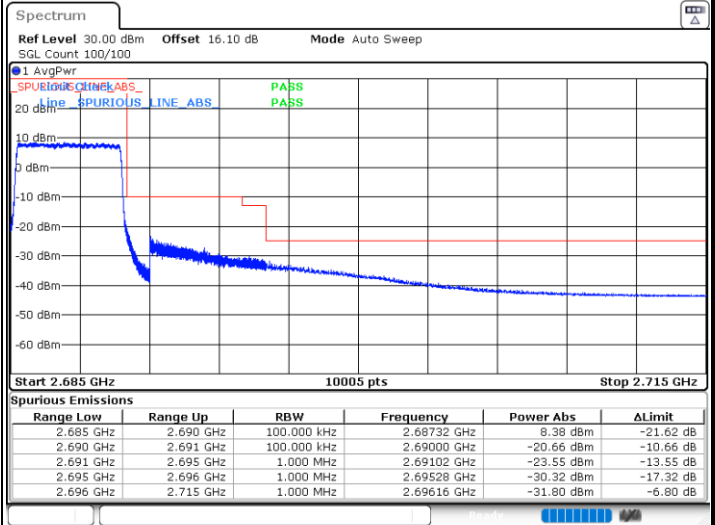
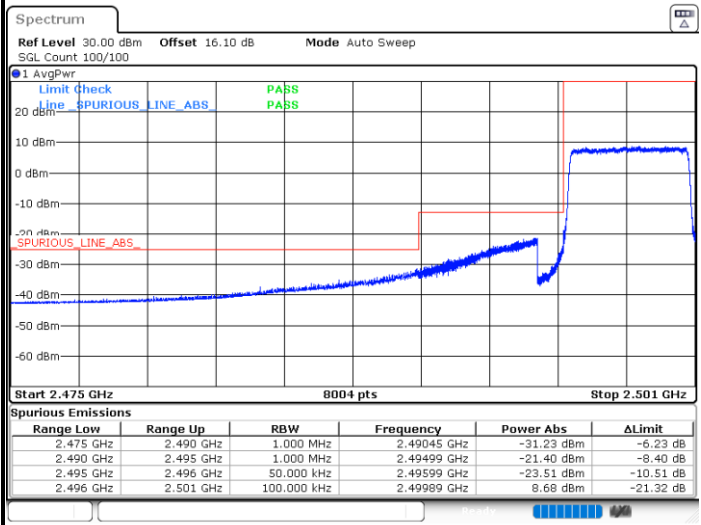


Date: 7.OCT.2022 23:58:24

Date: 8.OCT.2022 00:02:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



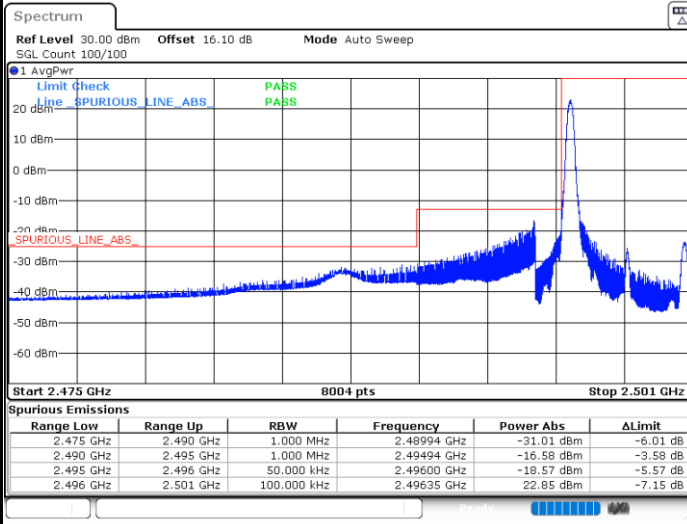
Date: 8.OCT.2022 00:00:18

Date: 8.OCT.2022 00:04:34



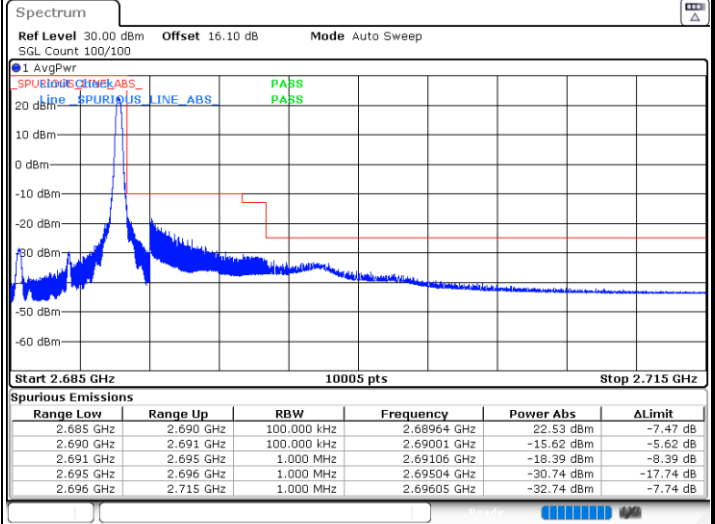
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



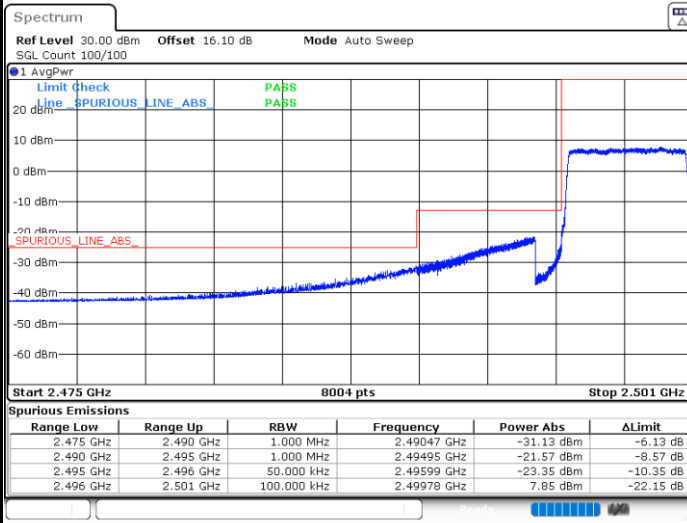
Date: 8.OCT.2022 00:05:30

Highest Band Edge / 1 RB



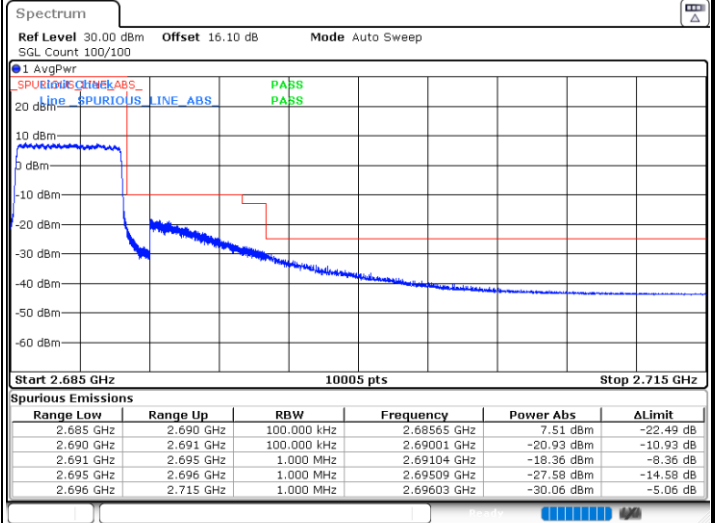
Date: 8.OCT.2022 00:07:31

Lowest Band Edge / Full RB



Date: 8.OCT.2022 00:06:27

Highest Band Edge / Full RB

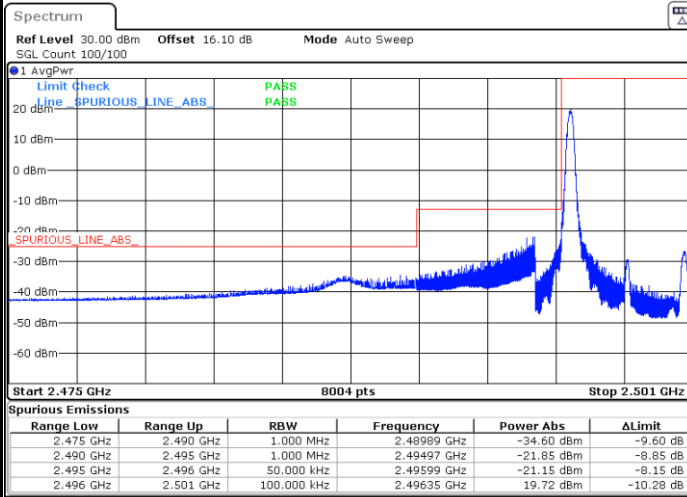


Date: 8.OCT.2022 00:08:35



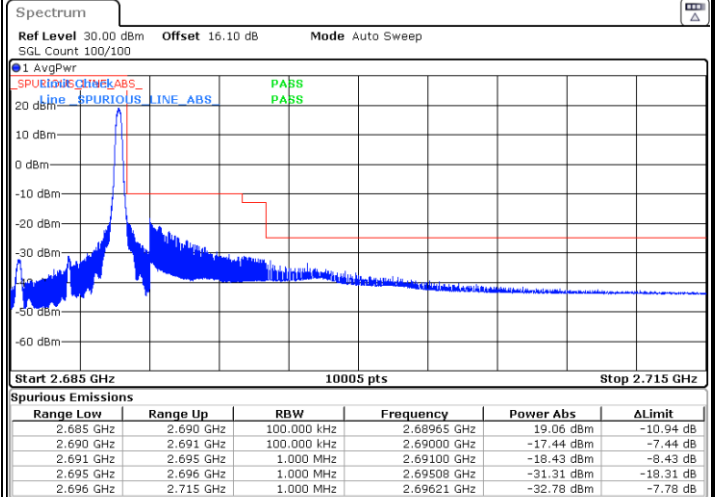
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



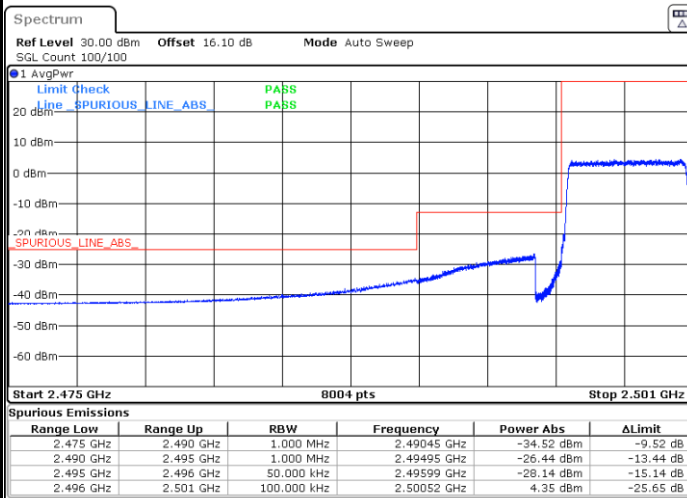
Date: 8.OCT.2022 01:01:28

Highest Band Edge / 1 RB



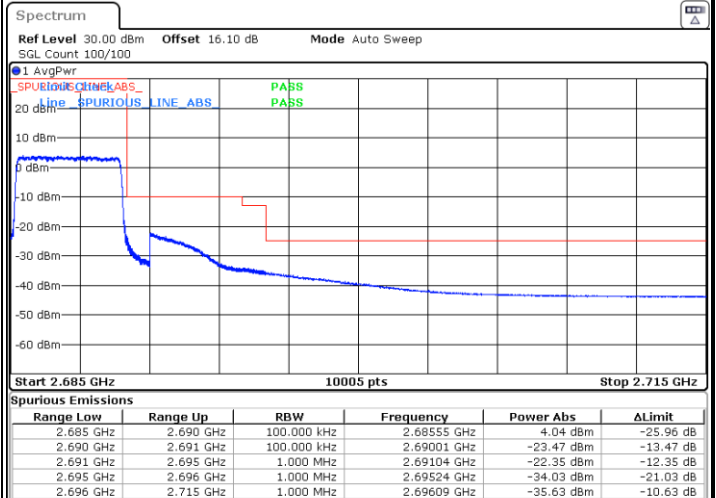
Date: 8.OCT.2022 01:03:28

Lowest Band Edge / Full RB



Date: 8.OCT.2022 01:02:25

Highest Band Edge / Full RB

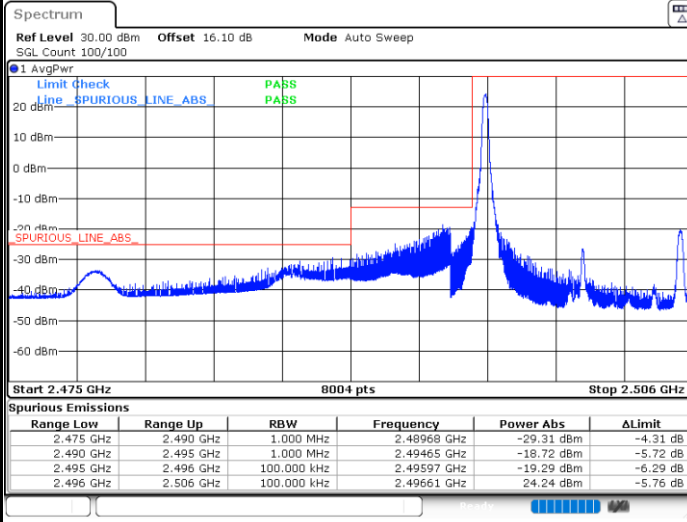


Date: 8.OCT.2022 01:04:32



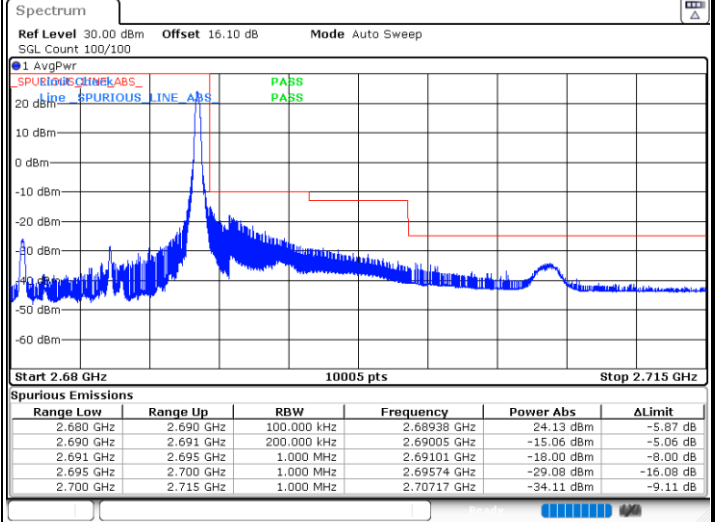
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



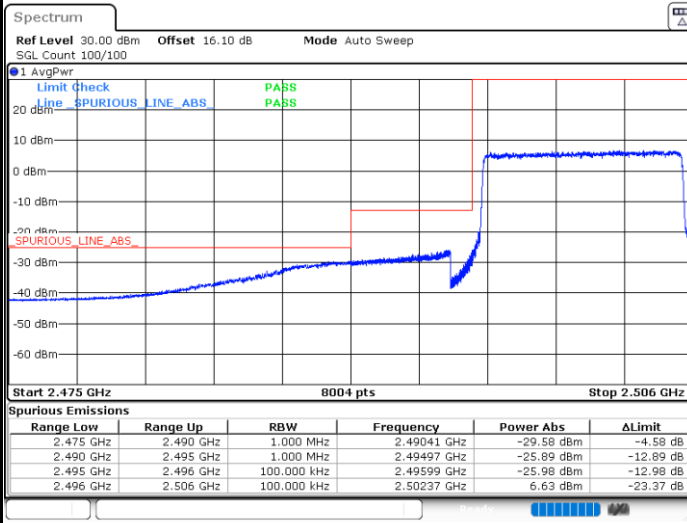
Date: 8.OCT.2022 00:14:03

Highest Band Edge / 1 RB



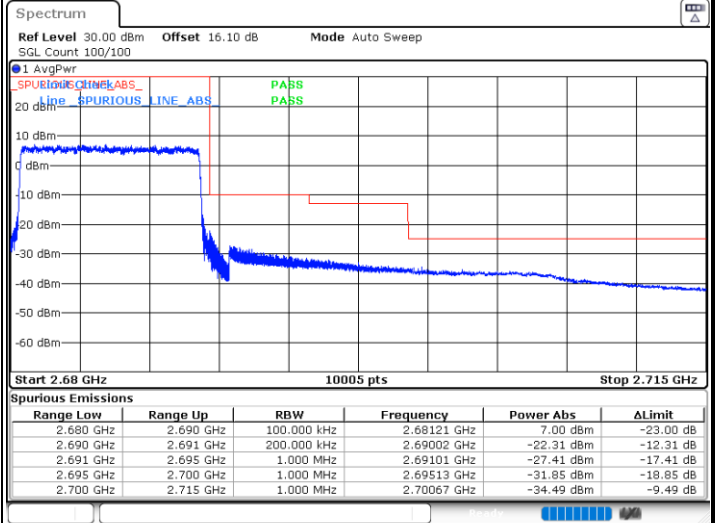
Date: 8.OCT.2022 00:17:48

Lowest Band Edge / Full RB



Date: 8.OCT.2022 00:15:56

Highest Band Edge / Full RB

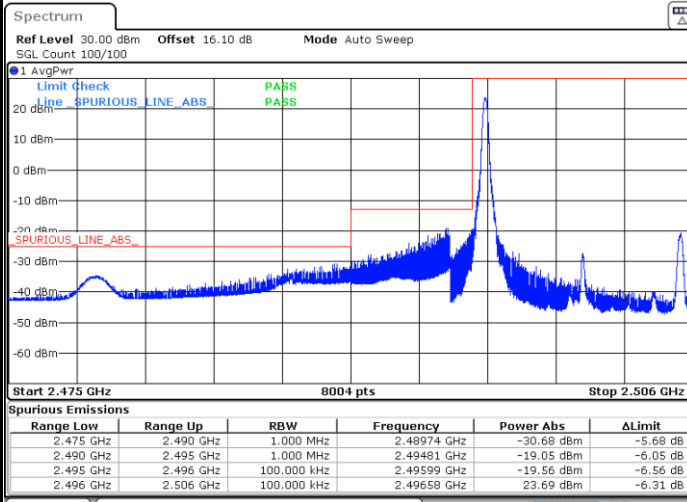


Date: 8.OCT.2022 00:19:41



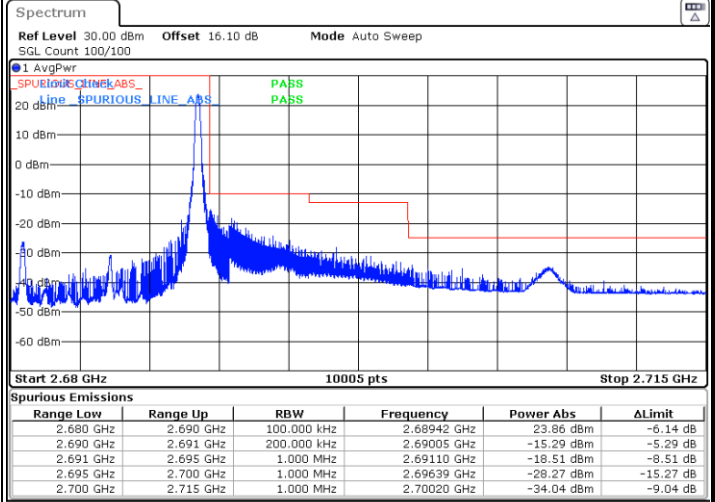
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



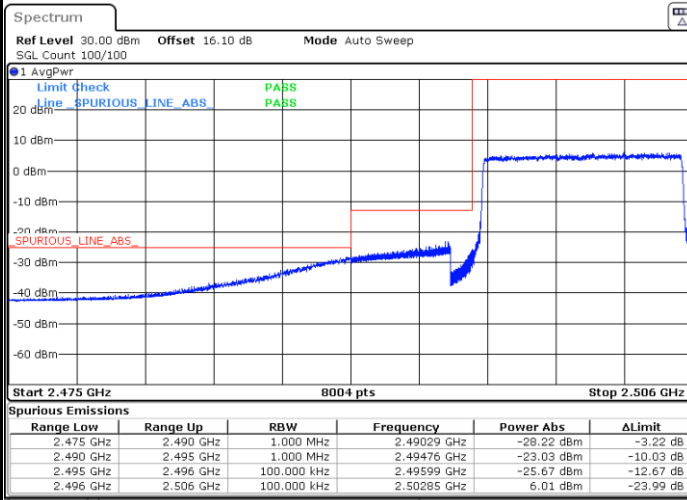
Date: 8.OCT.2022 00:14:59

Highest Band Edge / 1 RB



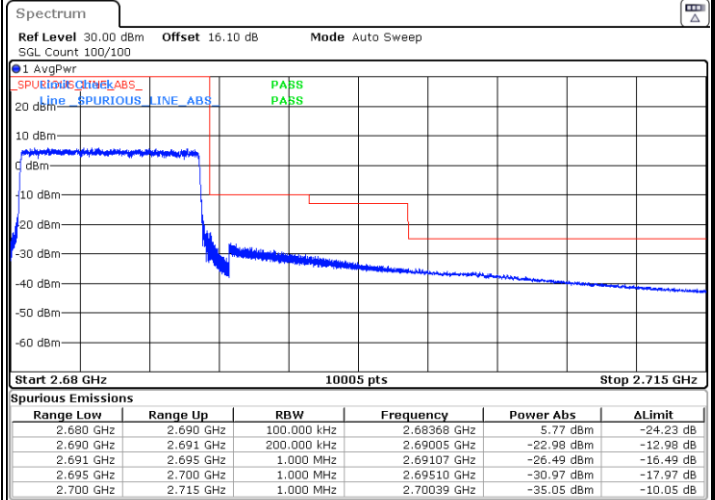
Date: 8.OCT.2022 00:18:44

Lowest Band Edge / Full RB



Date: 8.OCT.2022 00:16:52

Highest Band Edge / Full RB

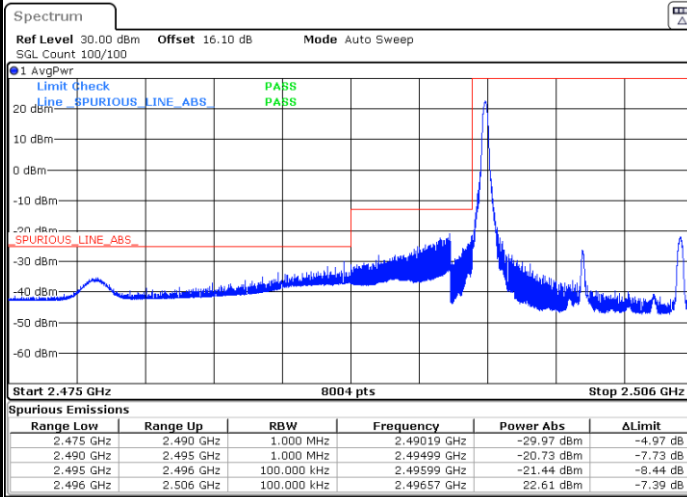


Date: 8.OCT.2022 00:20:36



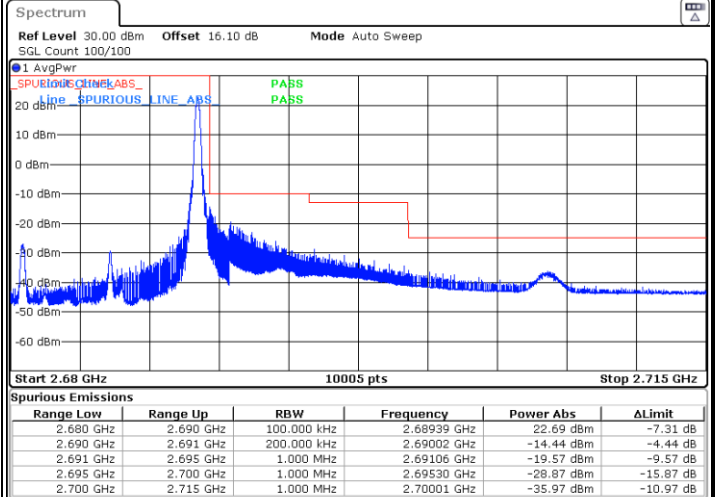
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



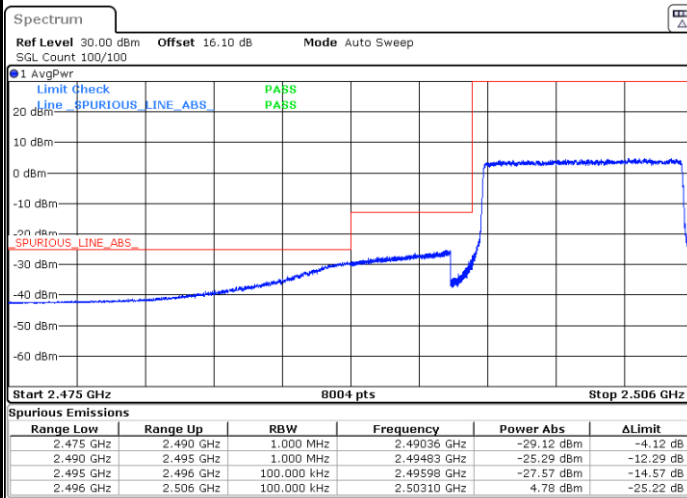
Date: 8.OCT.2022 00:21:33

Highest Band Edge / 1 RB



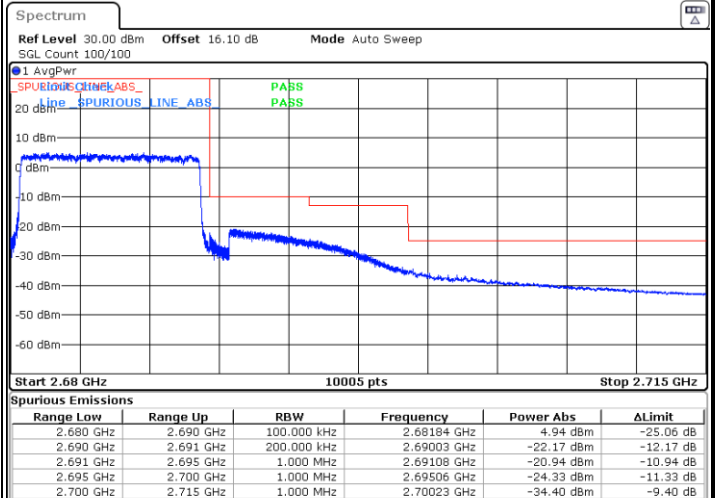
Date: 8.OCT.2022 00:23:25

Lowest Band Edge / Full RB



Date: 8.OCT.2022 00:22:29

Highest Band Edge / Full RB



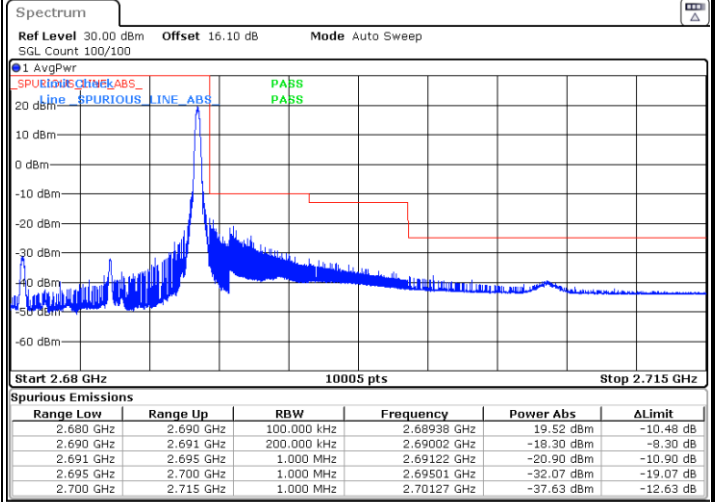
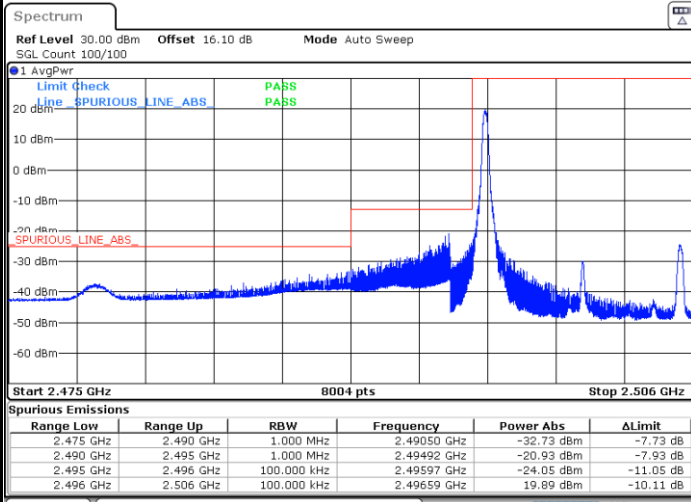
Date: 8.OCT.2022 00:24:21



LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

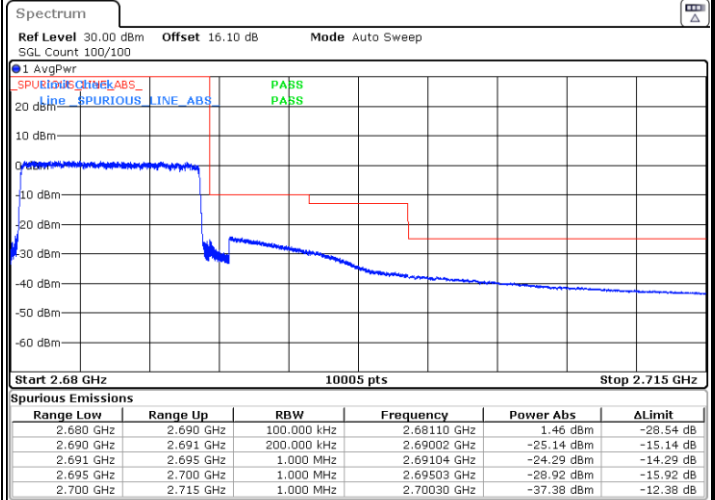
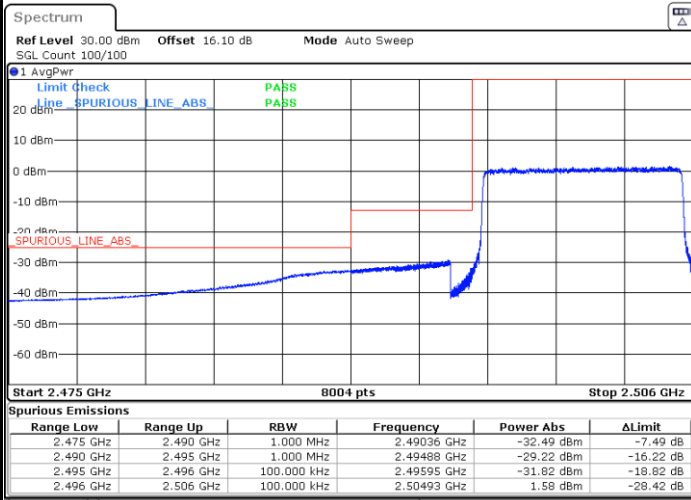


Date: 8.OCT.2022 01:06:19

Date: 8.OCT.2022 01:08:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



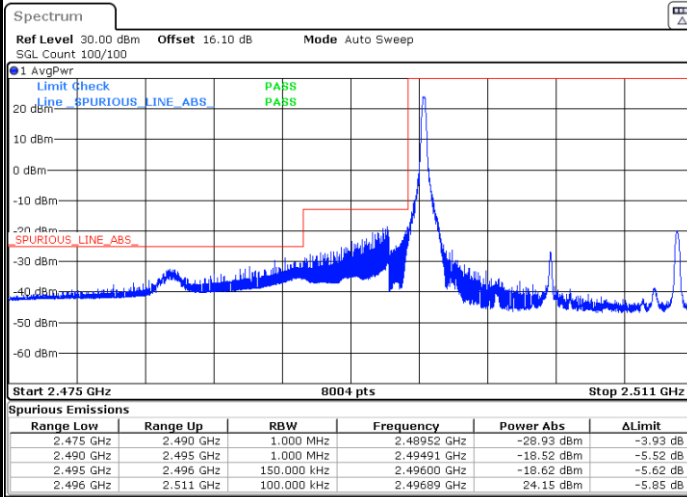
Date: 8.OCT.2022 01:07:16

Date: 8.OCT.2022 01:09:08



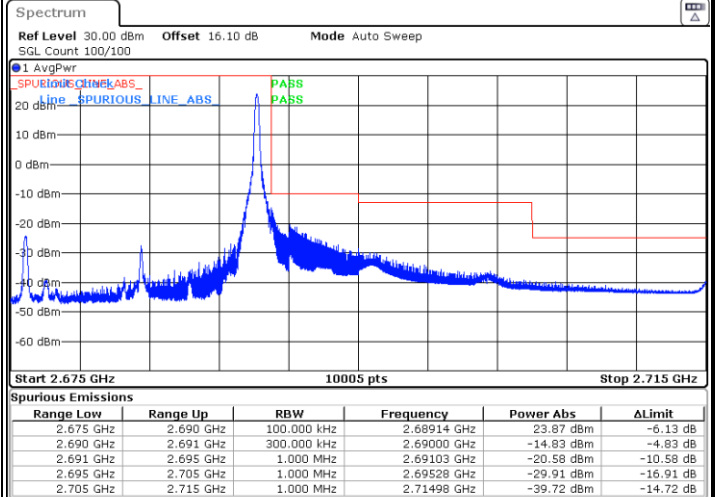
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



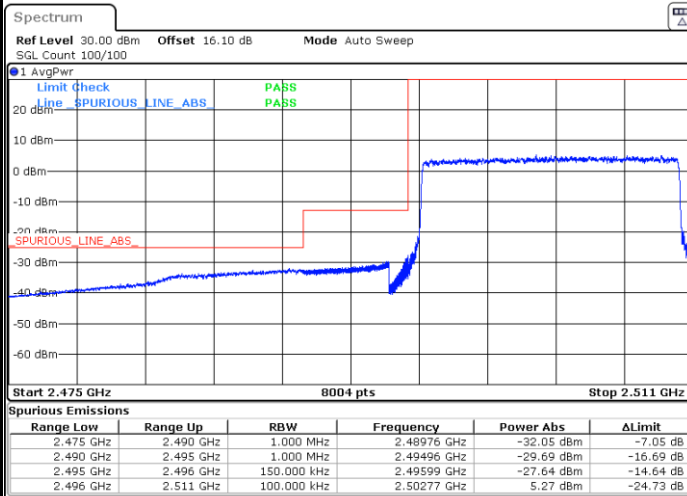
Date: 8.OCT.2022 00:33:35

Highest Band Edge / 1 RB



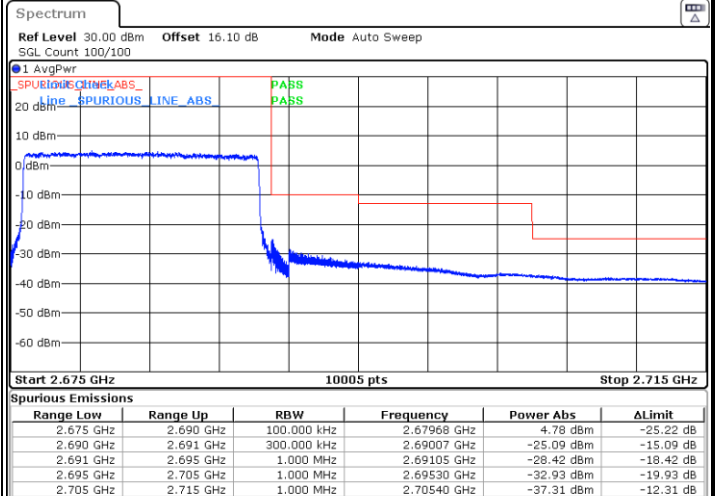
Date: 8.OCT.2022 00:37:20

Lowest Band Edge / Full RB



Date: 8.OCT.2022 00:35:27

Highest Band Edge / Full RB

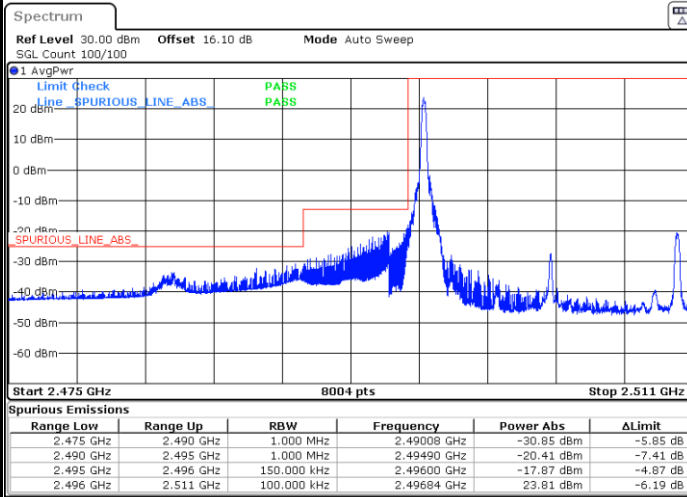


Date: 8.OCT.2022 00:39:12



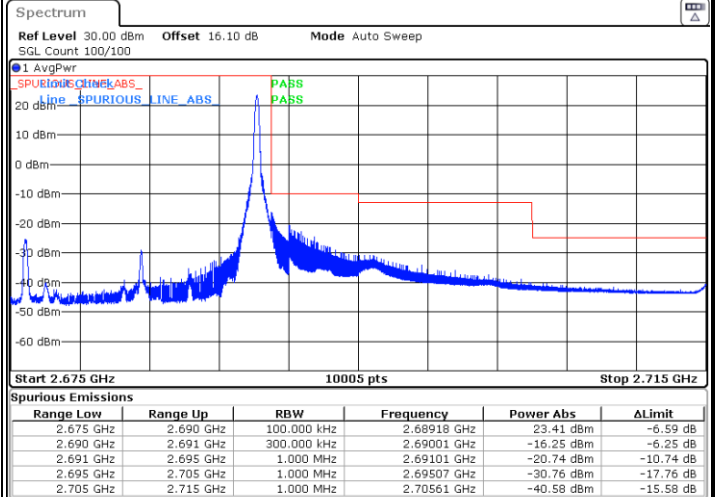
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



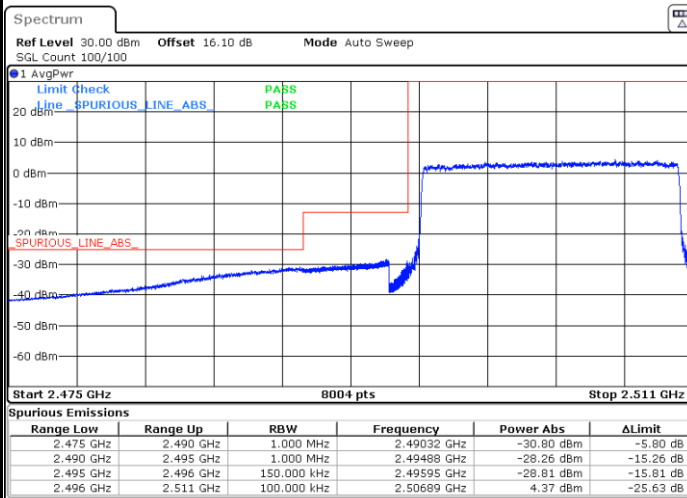
Date: 8.OCT.2022 00:34:31

Highest Band Edge / 1 RB



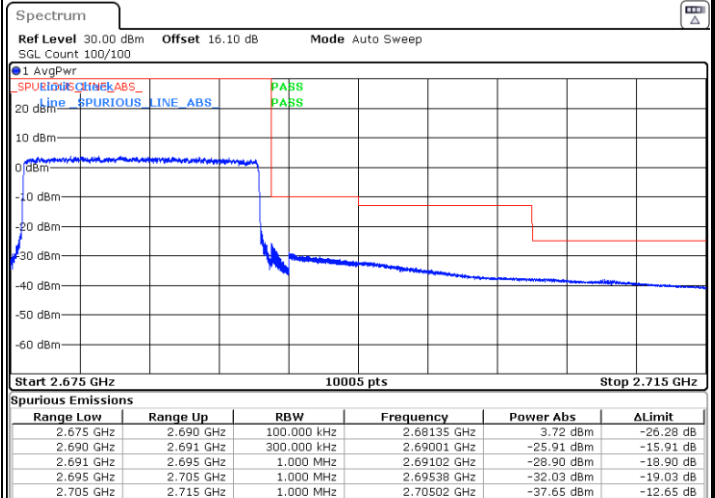
Date: 8.OCT.2022 00:38:16

Lowest Band Edge / Full RB



Date: 8.OCT.2022 00:36:24

Highest Band Edge / Full RB

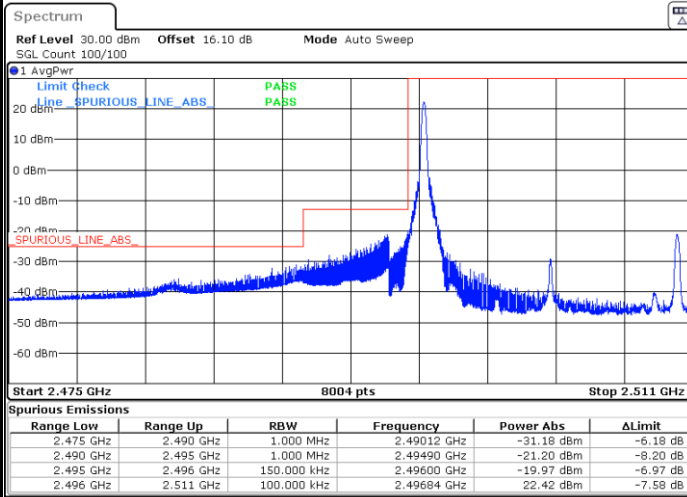


Date: 8.OCT.2022 00:40:08



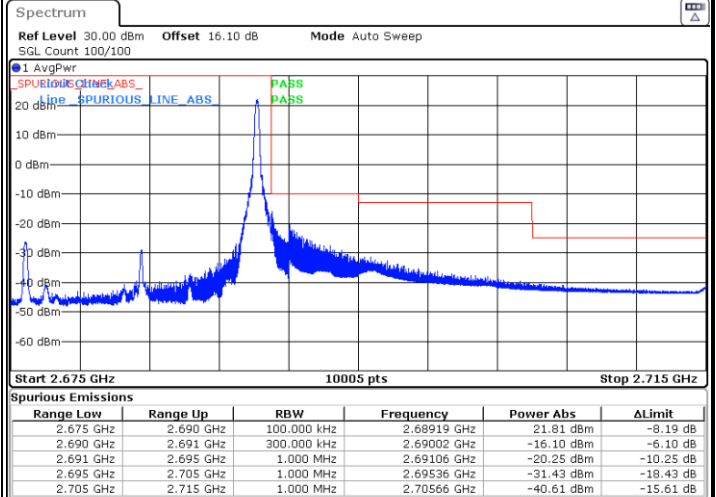
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



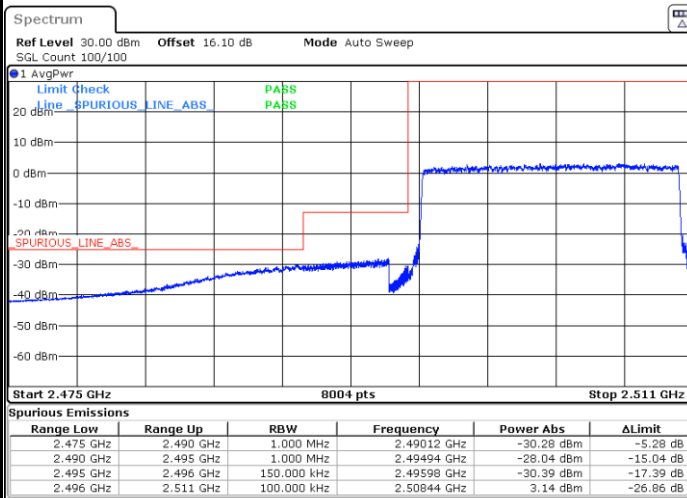
Date: 8.OCT.2022 00:29:50

Highest Band Edge / 1 RB



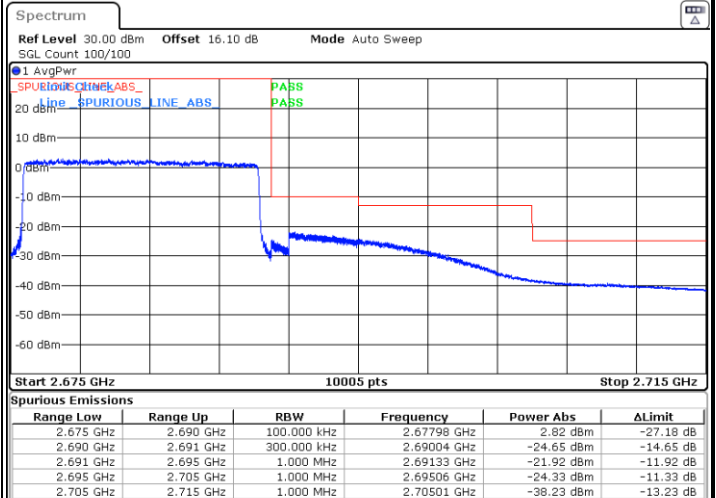
Date: 8.OCT.2022 00:31:42

Lowest Band Edge / Full RB



Date: 8.OCT.2022 00:30:46

Highest Band Edge / Full RB

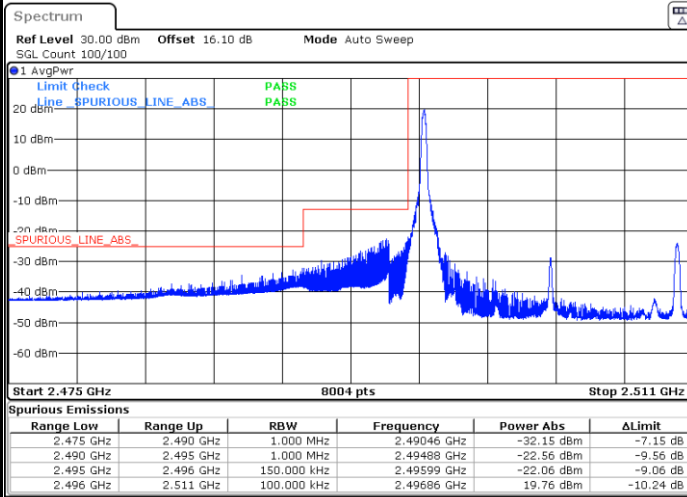


Date: 8.OCT.2022 00:32:38



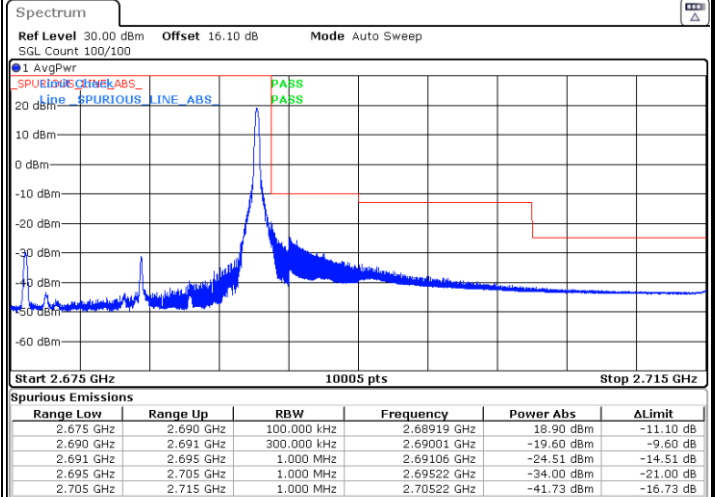
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



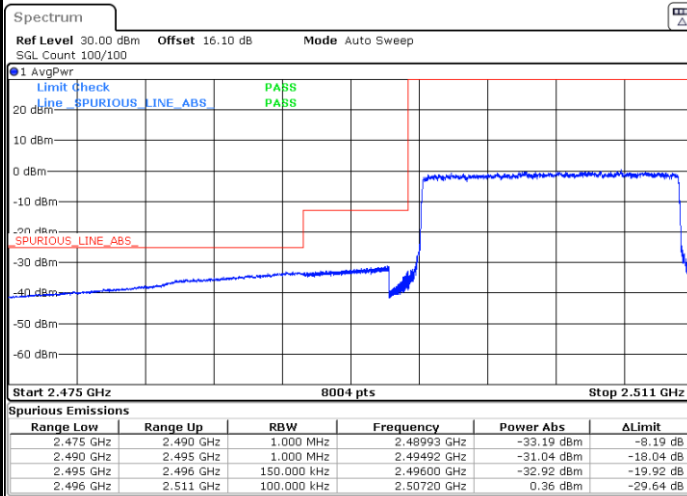
Date: 8.OCT.2022 01:10:07

Highest Band Edge / 1 RB



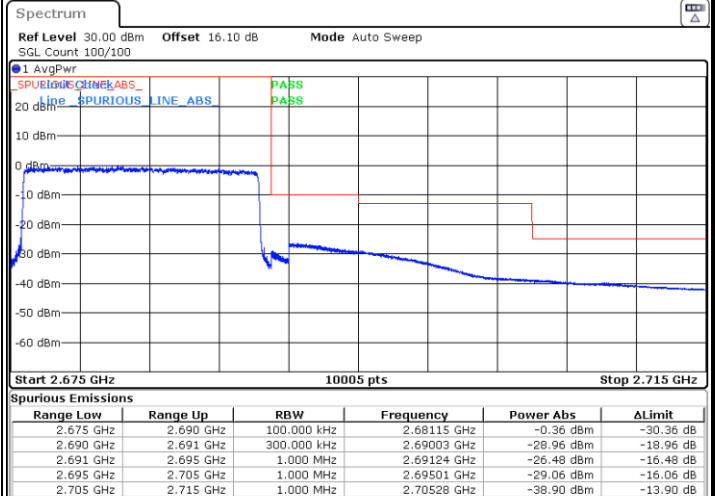
Date: 8.OCT.2022 01:12:00

Lowest Band Edge / Full RB



Date: 8.OCT.2022 01:11:04

Highest Band Edge / Full RB

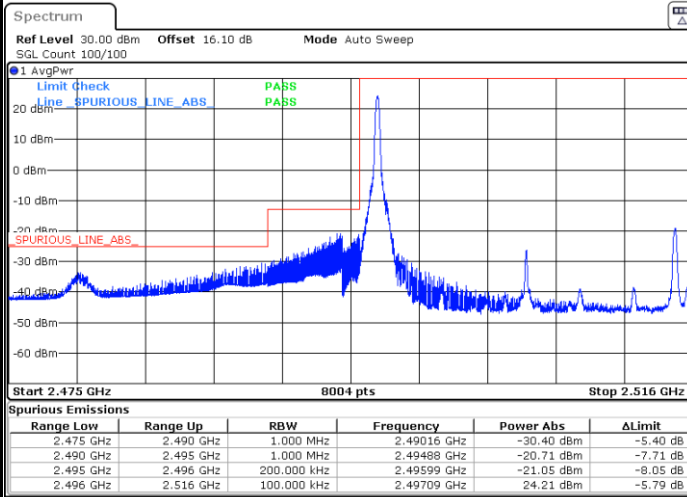


Date: 8.OCT.2022 01:12:56



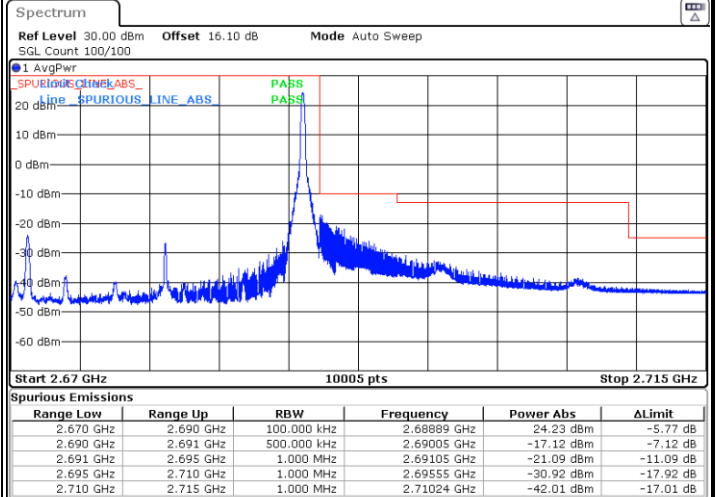
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



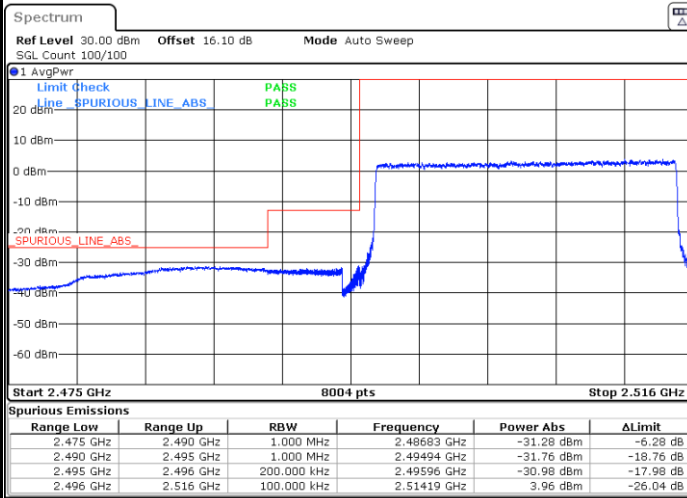
Date: 8.OCT.2022 00:45:37

Highest Band Edge / 1 RB



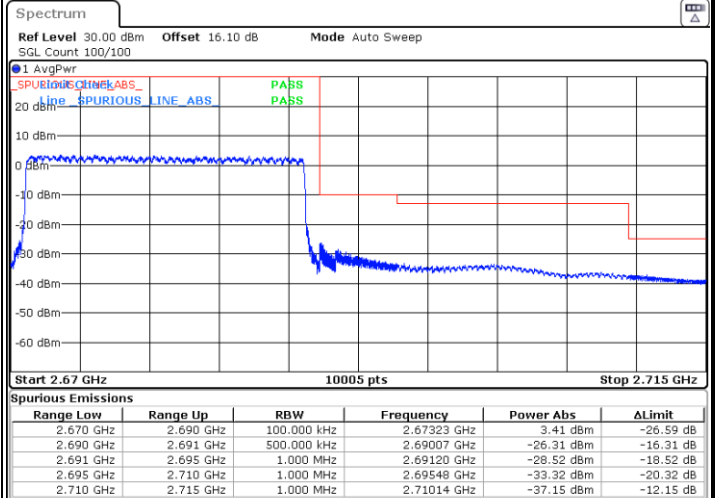
Date: 8.OCT.2022 00:49:22

Lowest Band Edge / Full RB



Date: 8.OCT.2022 00:47:29

Highest Band Edge / Full RB

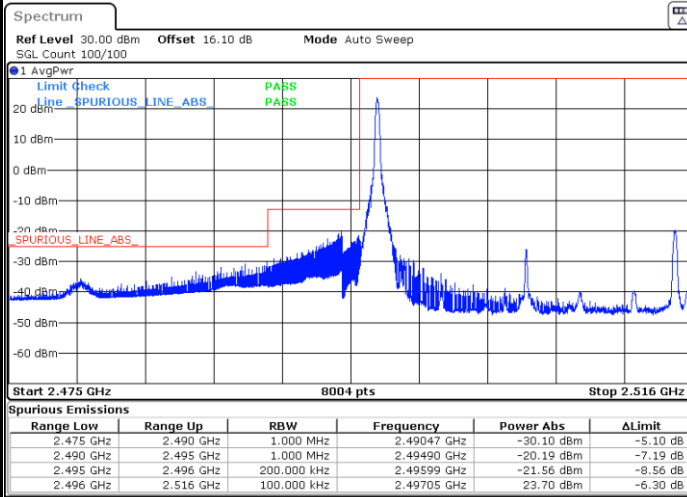


Date: 8.OCT.2022 00:52:10



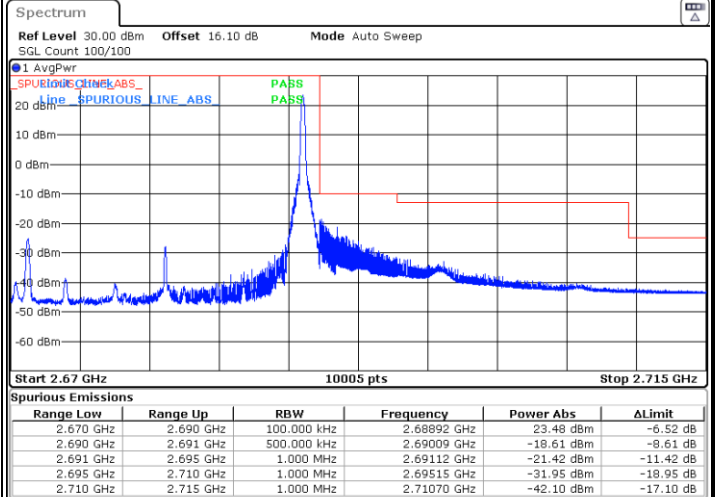
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



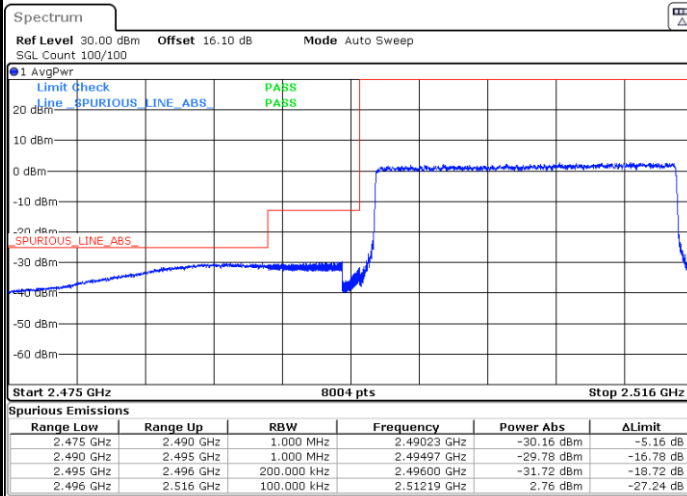
Date: 8.OCT.2022 00:46:33

Highest Band Edge / 1 RB



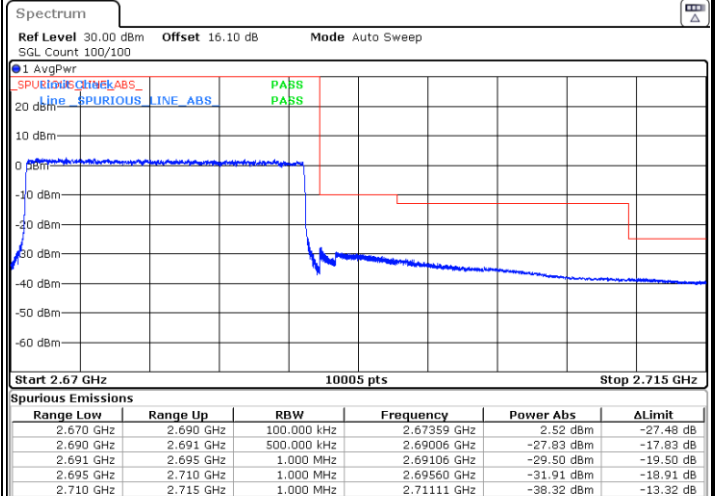
Date: 8.OCT.2022 00:50:18

Lowest Band Edge / Full RB



Date: 8.OCT.2022 00:48:26

Highest Band Edge / Full RB

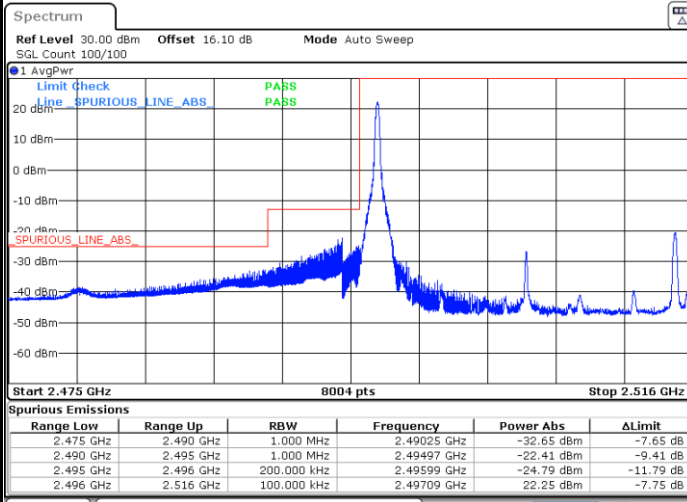


Date: 8.OCT.2022 00:51:14



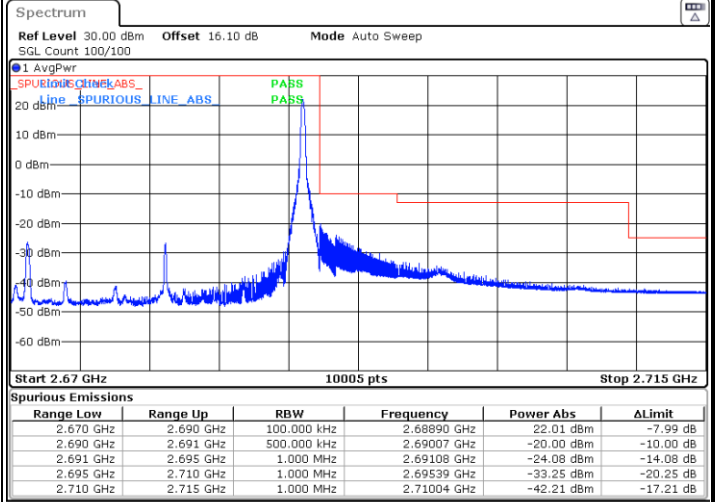
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



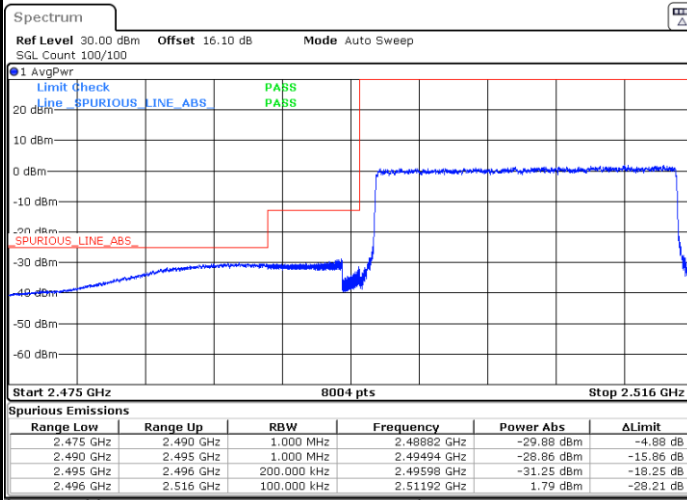
Date: 8.OCT.2022 00:53:06

Highest Band Edge / 1 RB



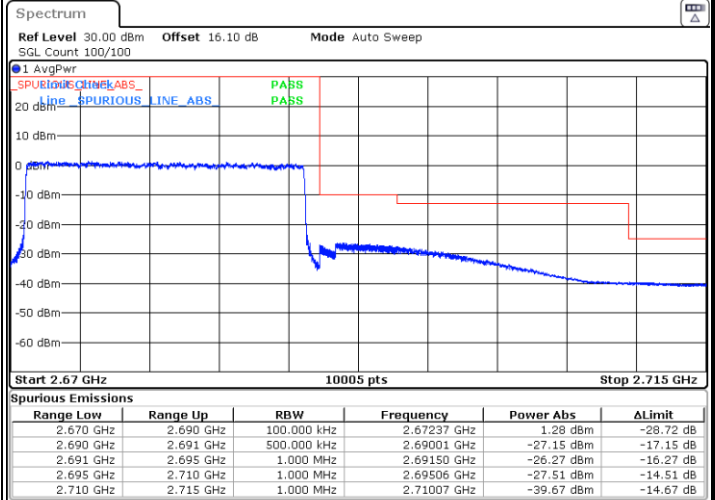
Date: 8.OCT.2022 00:54:59

Lowest Band Edge / Full RB



Date: 8.OCT.2022 00:54:03

Highest Band Edge / Full RB

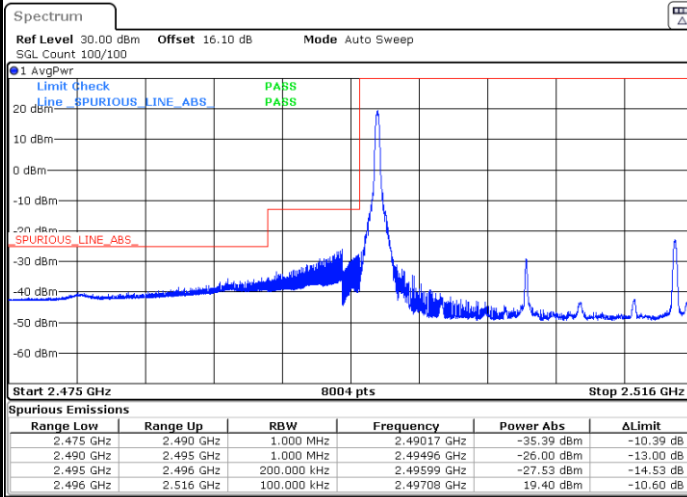


Date: 8.OCT.2022 00:55:55



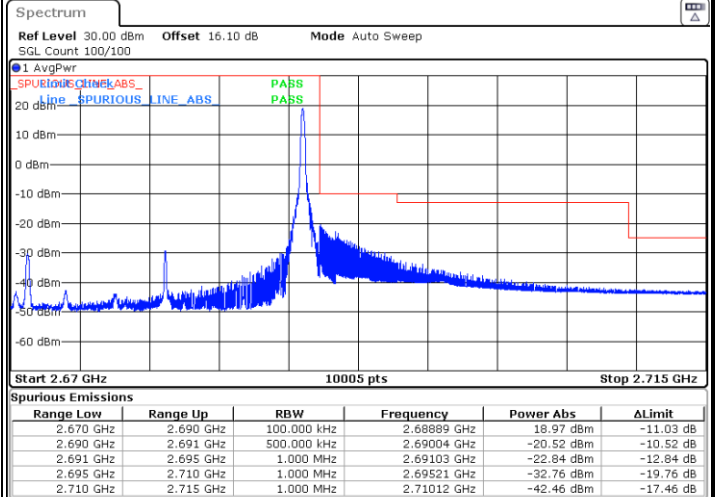
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



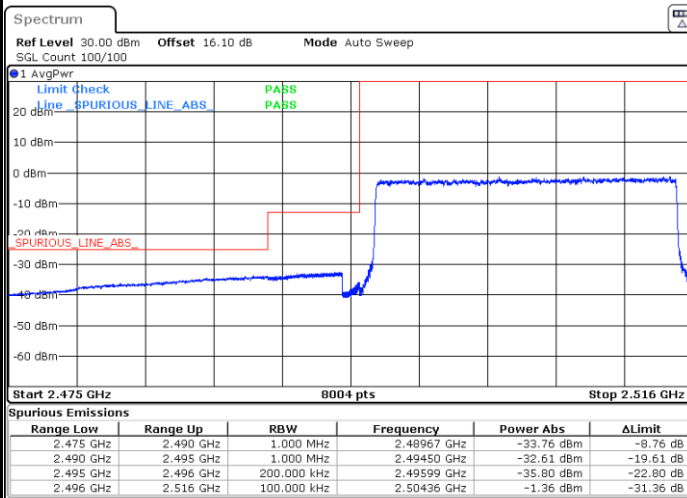
Date: 8.OCT.2022 01:16:01

Highest Band Edge / 1 RB



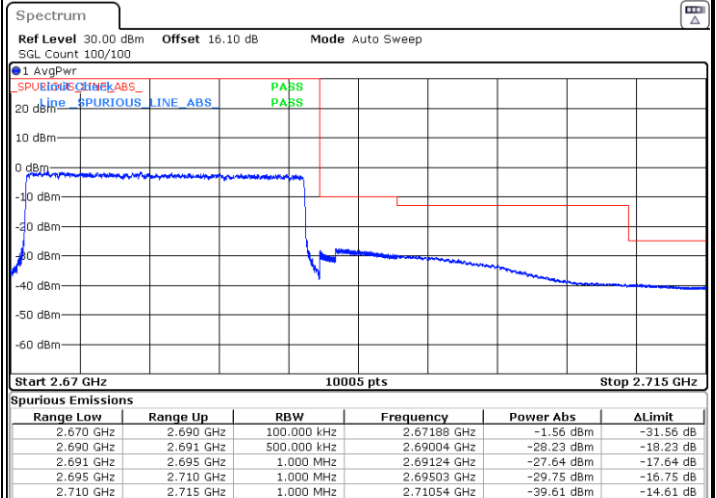
Date: 8.OCT.2022 01:17:54

Lowest Band Edge / Full RB



Date: 8.OCT.2022 01:16:58

Highest Band Edge / Full RB



Date: 8.OCT.2022 01:18:50

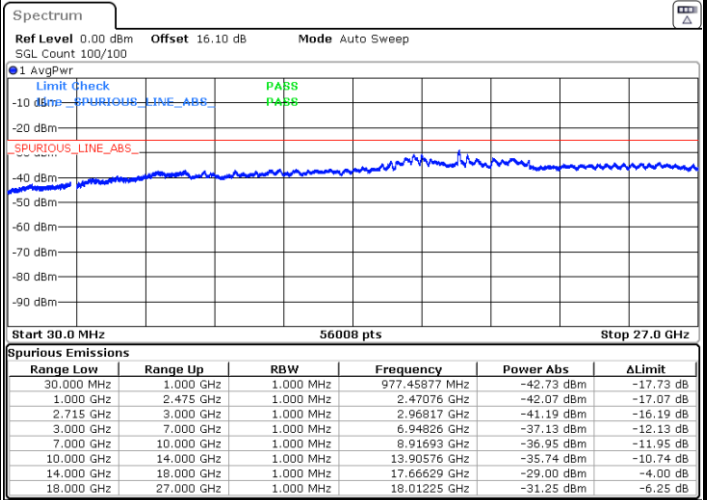
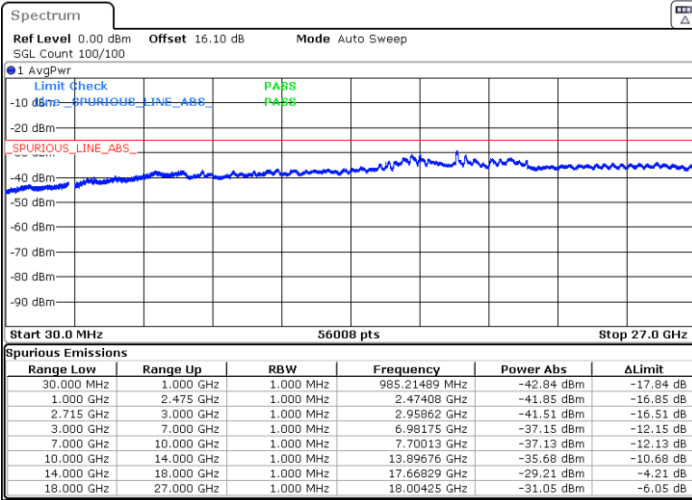


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

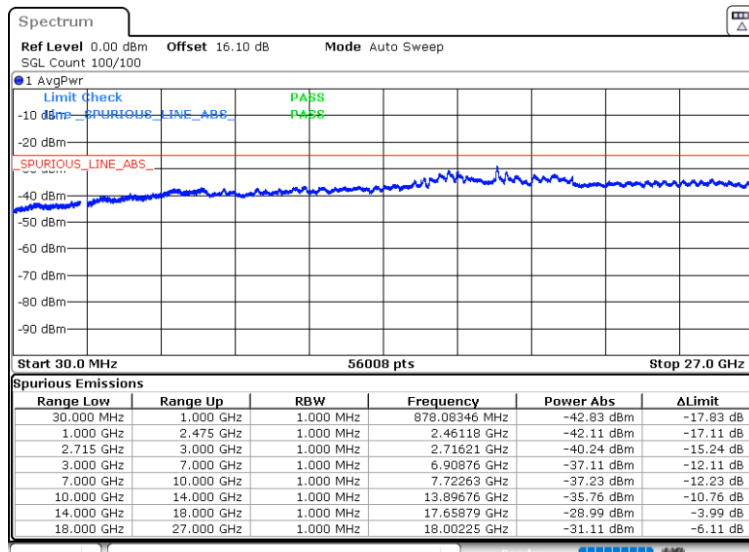
Middle Channel / QPSK



Date: 8.OCT.2022 00:09:50

Date: 8.OCT.2022 00:11:05

Highest Channel / QPSK



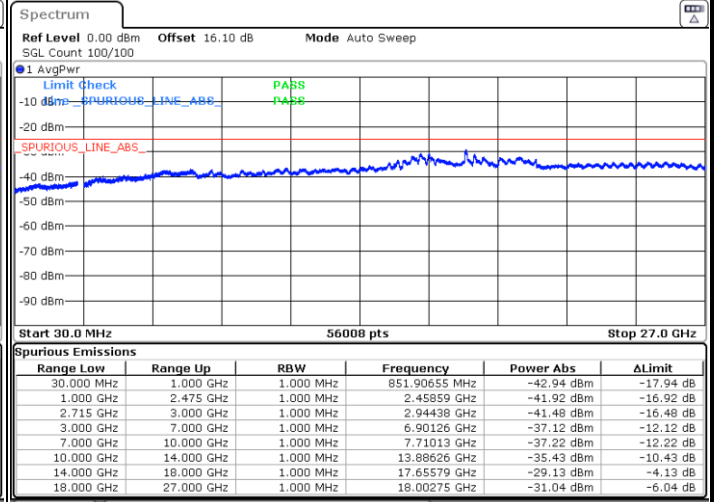
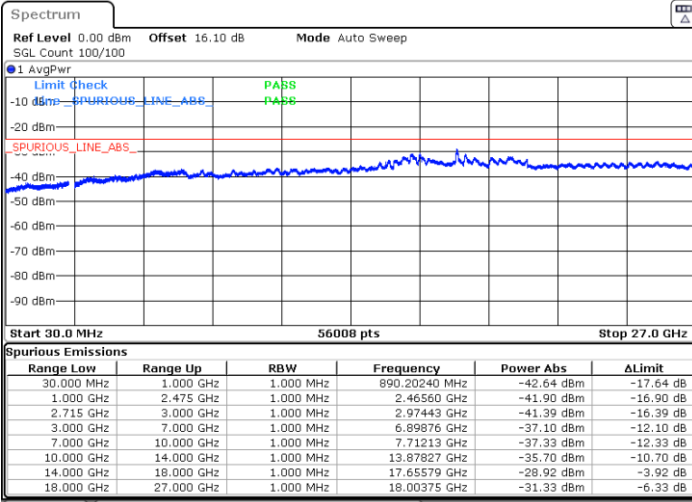
Date: 8.OCT.2022 00:12:20



LTE Band 41 / 10MHz

Lowest Channel / QPSK

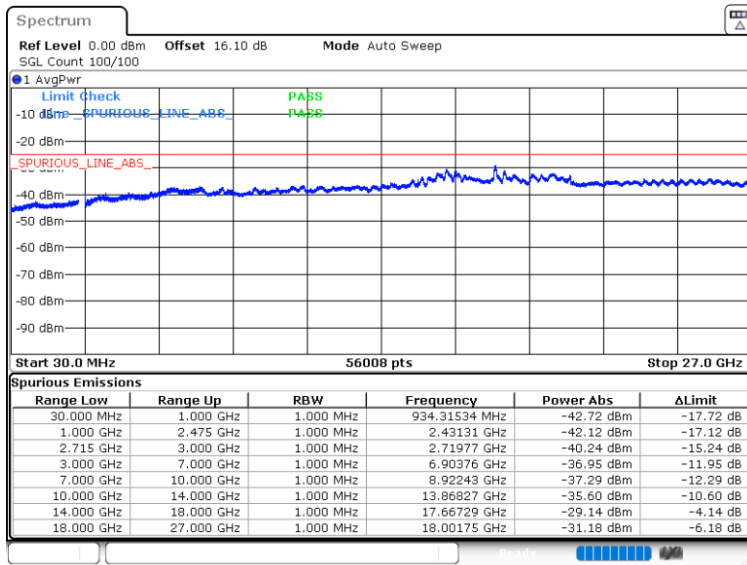
Middle Channel / QPSK



Date: 8.OCT.2022 00:25:37

Date: 8.OCT.2022 00:26:52

Highest Channel / QPSK



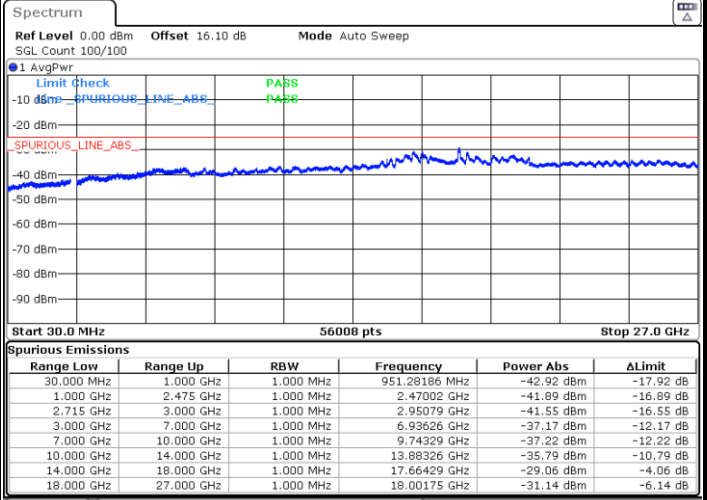
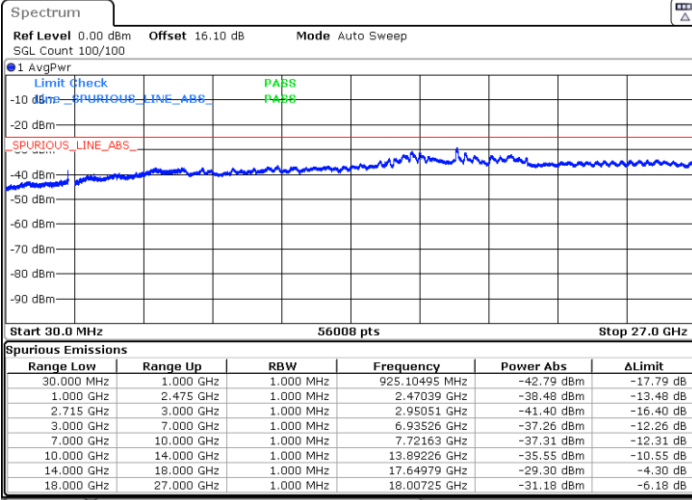
Date: 8.OCT.2022 00:28:07



LTE Band 41 / 15MHz

Lowest Channel / QPSK

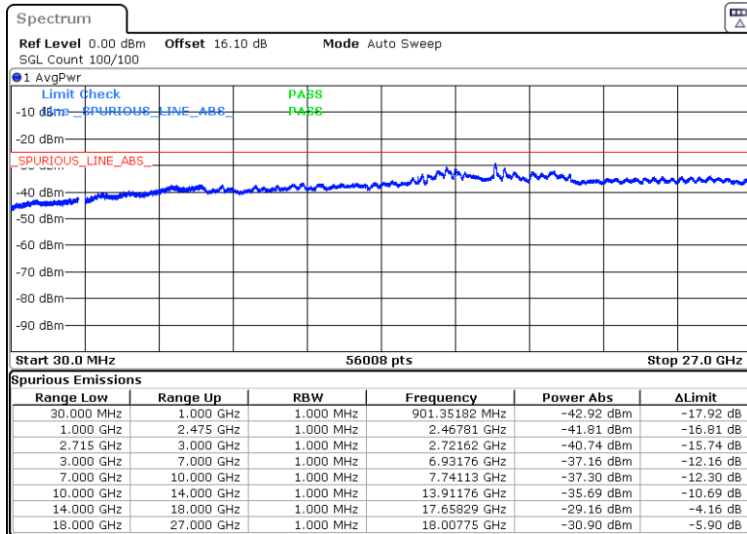
Middle Channel / QPSK



Date: 8.OCT.2022 00:41:24

Date: 8.OCT.2022 00:42:39

Highest Channel / QPSK



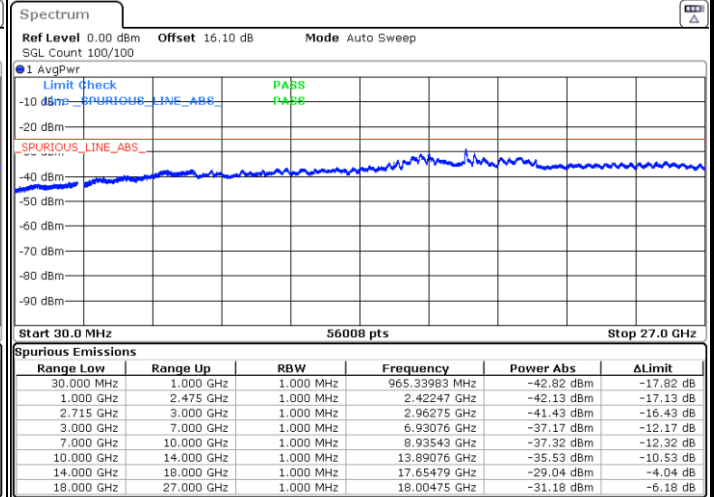
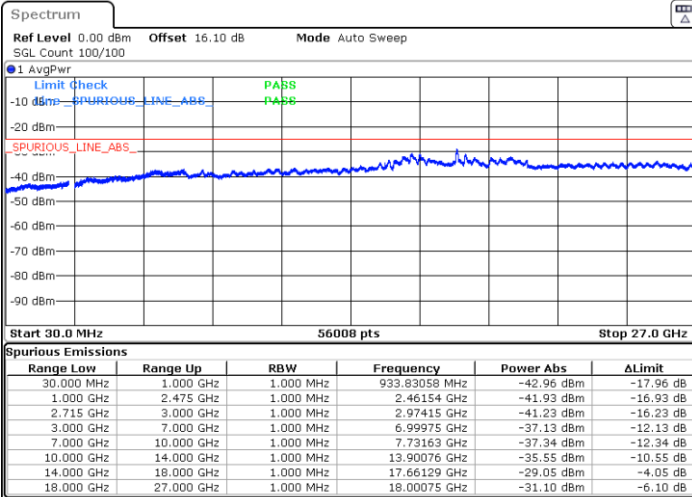
Date: 8.OCT.2022 00:43:54



LTE Band 41 / 20MHz

Lowest Channel / QPSK

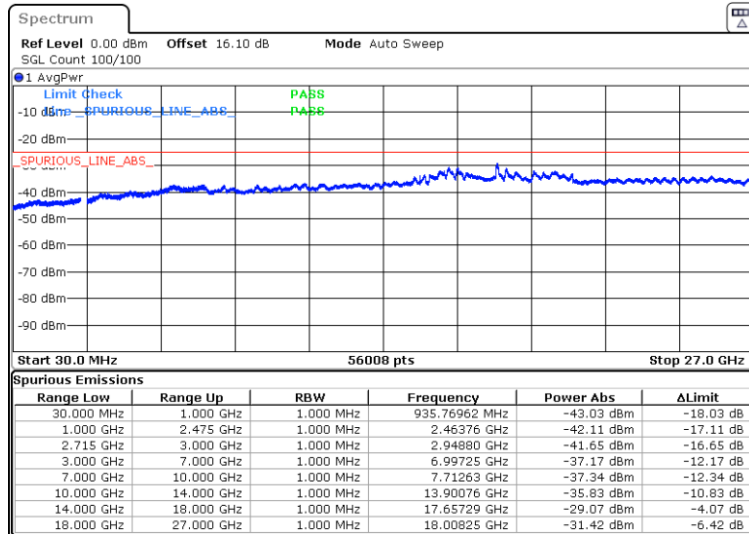
Middle Channel / QPSK



Date: 8.OCT.2022 00:57:10

Date: 8.OCT.2022 00:58:25

Highest Channel / QPSK



Date: 8.OCT.2022 00:59:40



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	0.0042	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

- 1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.45 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.88	25.28	30.15	25.82	30.75
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	25.03	29.97	35.04	39.96

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.93	25.33	29.91	25.18	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	35.46	24.93	29.85	34.97	39.96

Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.98	25.28	30.27	25.38	30.69
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.97	24.93	30.27	35.32	39.88

Mode	LTE Band 41C : 26dB BW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.73	25.48	29.85	25.23	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	35.39	24.88	30.15	35.04	40.36