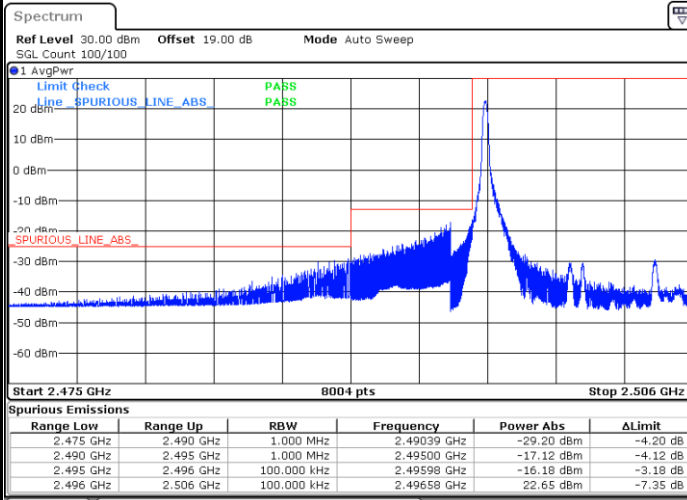




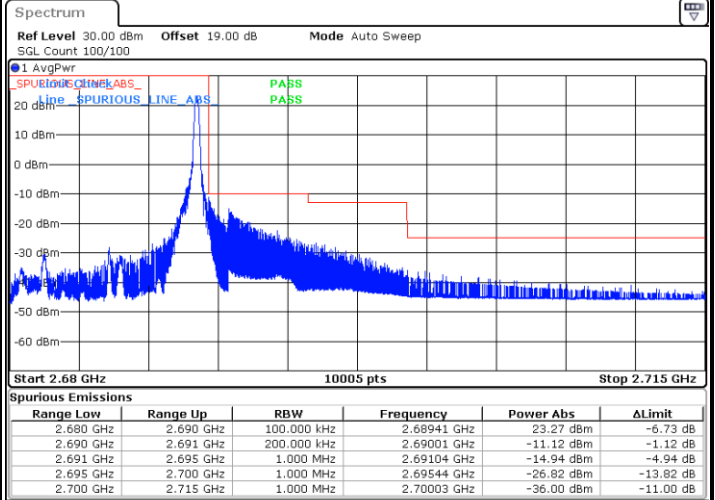
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



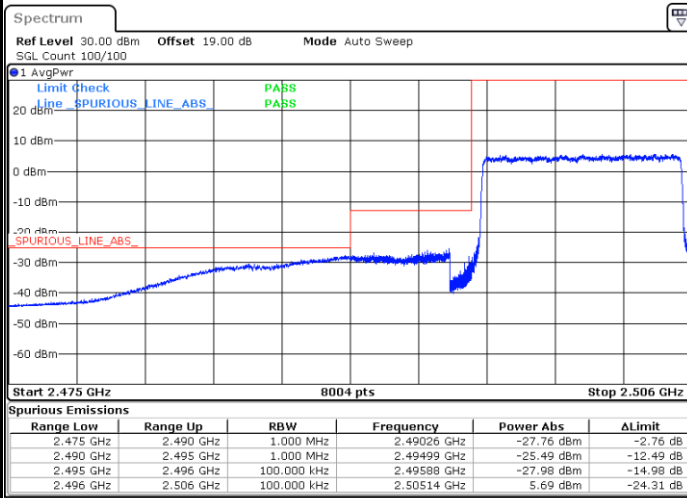
Date: 22.SEP.2023 11:08:43

Highest Band Edge / 1 RB



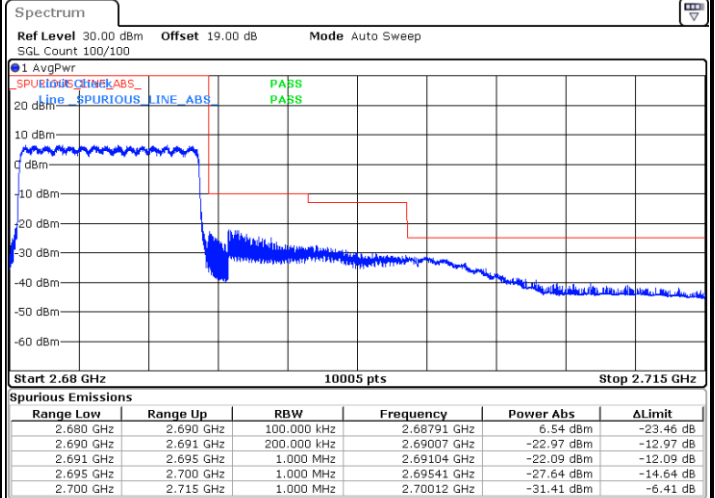
Date: 22.SEP.2023 11:19:23

Lowest Band Edge / Full RB



Date: 23.SEP.2023 17:08:24

Highest Band Edge / Full RB

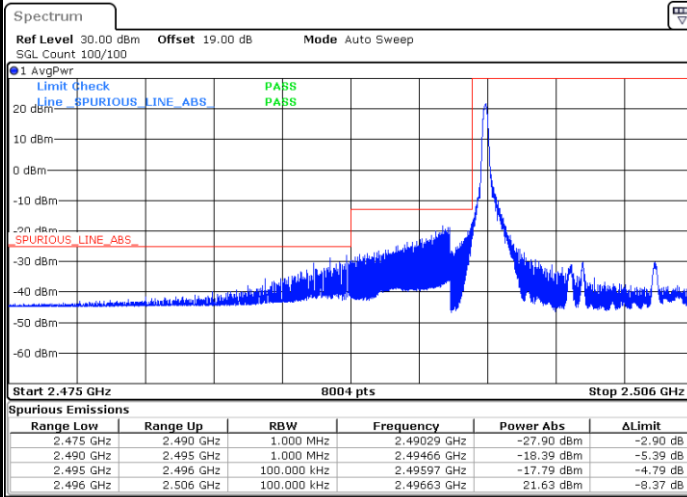


Date: 22.SEP.2023 11:25:05



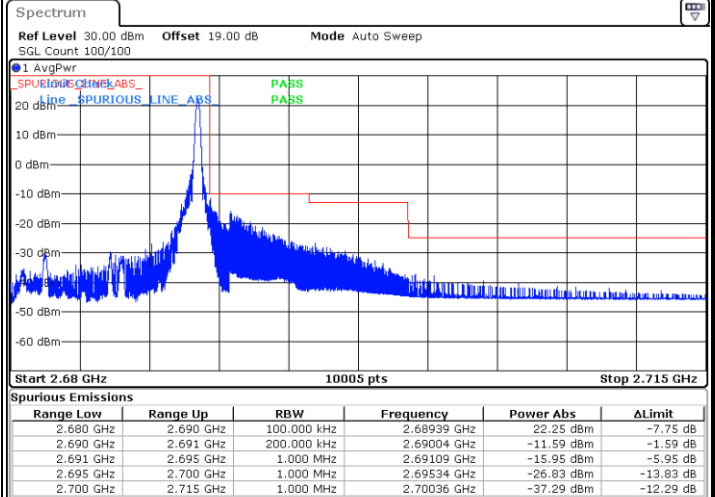
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



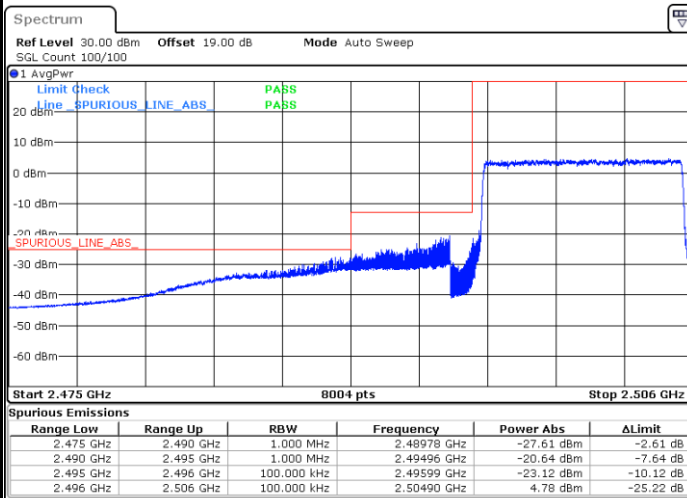
Date: 22.SEP.2023 11:09:51

Highest Band Edge / 1 RB



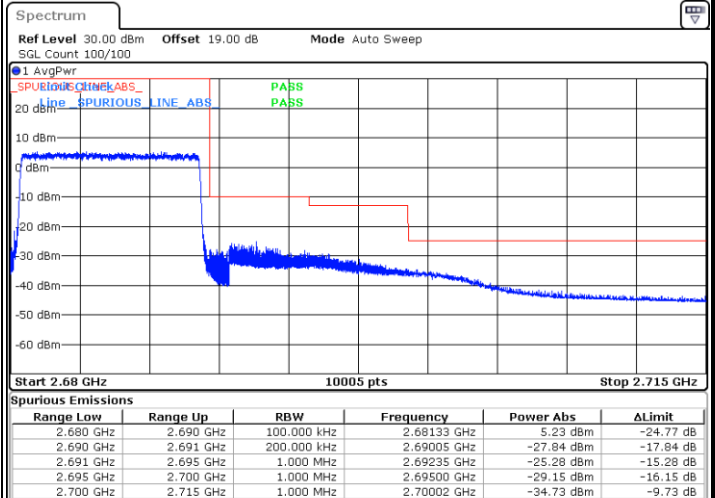
Date: 22.SEP.2023 11:20:31

Lowest Band Edge / Full RB



Date: 22.SEP.2023 11:13:17

Highest Band Edge / Full RB

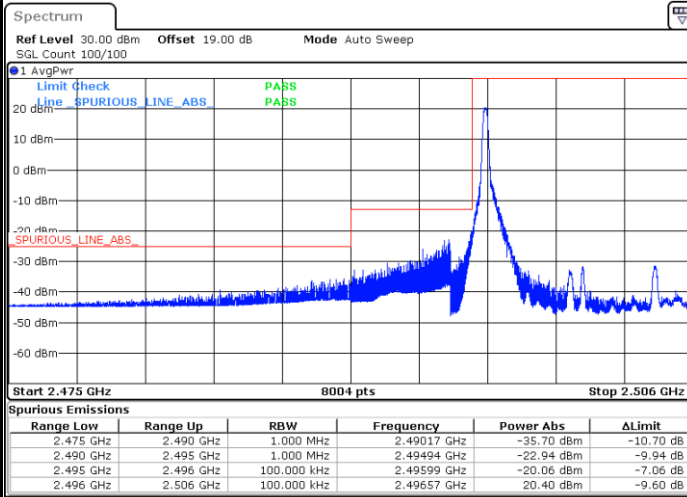


Date: 22.SEP.2023 11:23:56



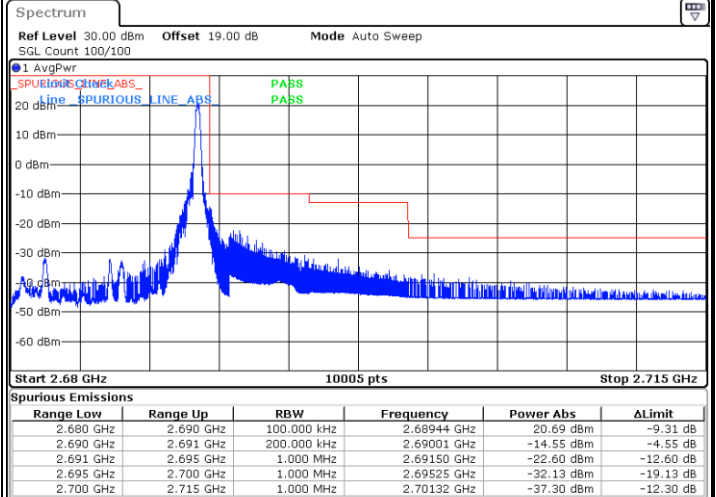
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



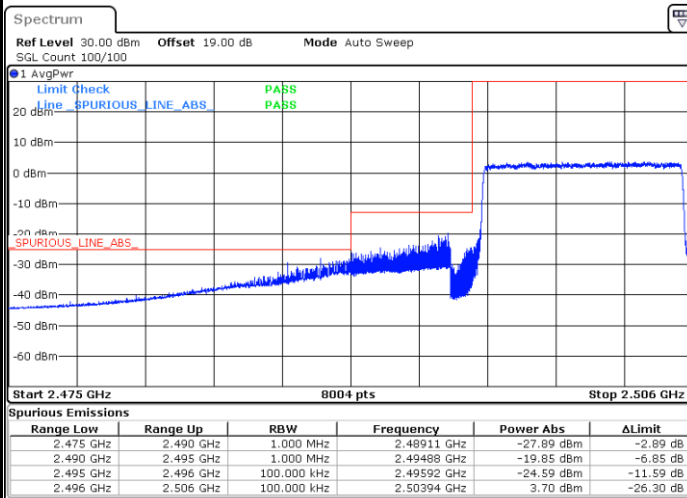
Date: 22.SEP.2023 11:11:00

Highest Band Edge / 1 RB



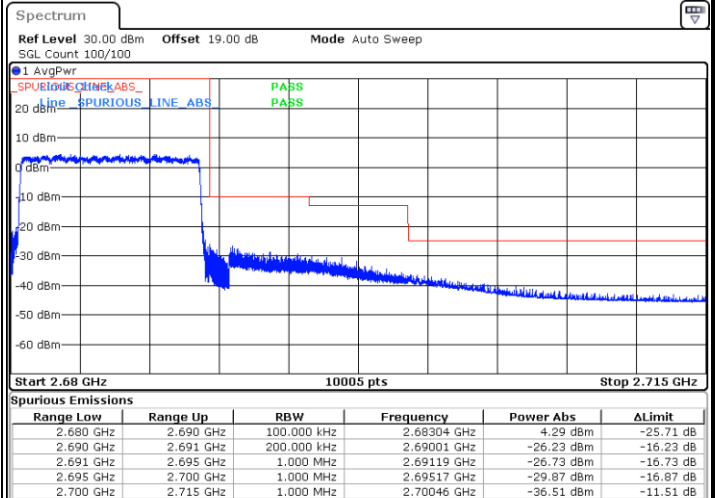
Date: 22.SEP.2023 11:21:39

Lowest Band Edge / Full RB



Date: 22.SEP.2023 11:12:09

Highest Band Edge / Full RB

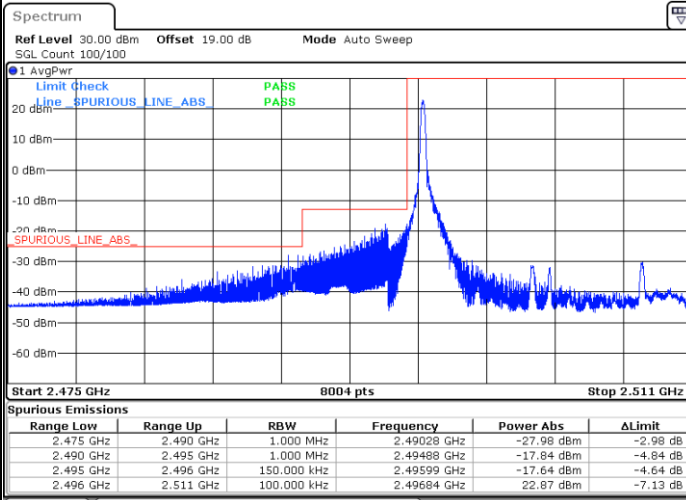


Date: 22.SEP.2023 11:22:48



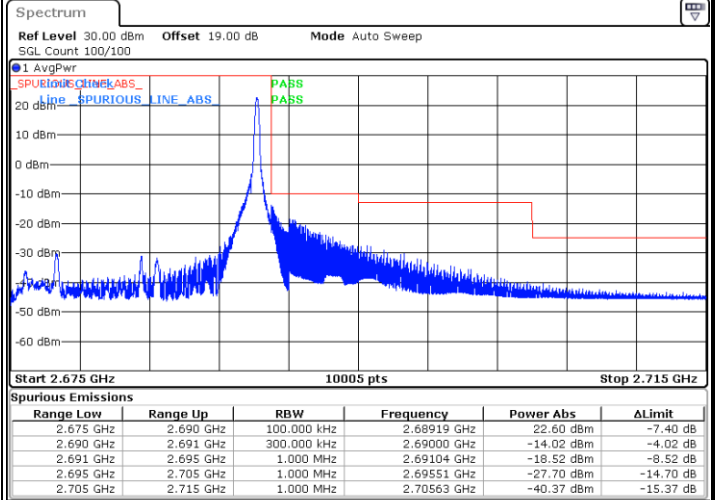
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



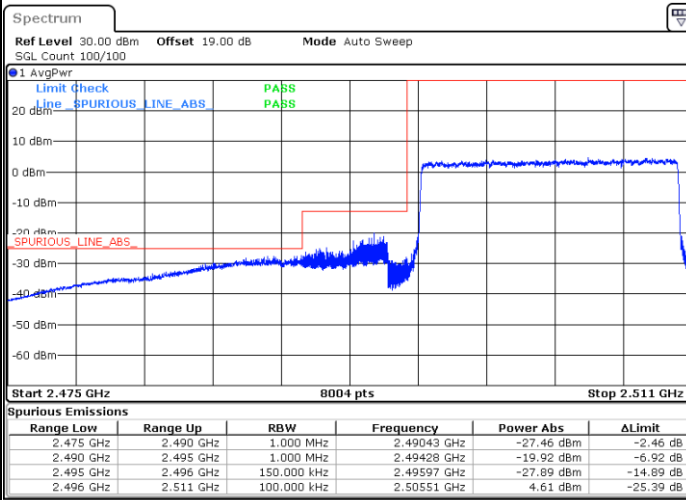
Date: 22.SEP.2023 11:32:56

Highest Band Edge / 1 RB



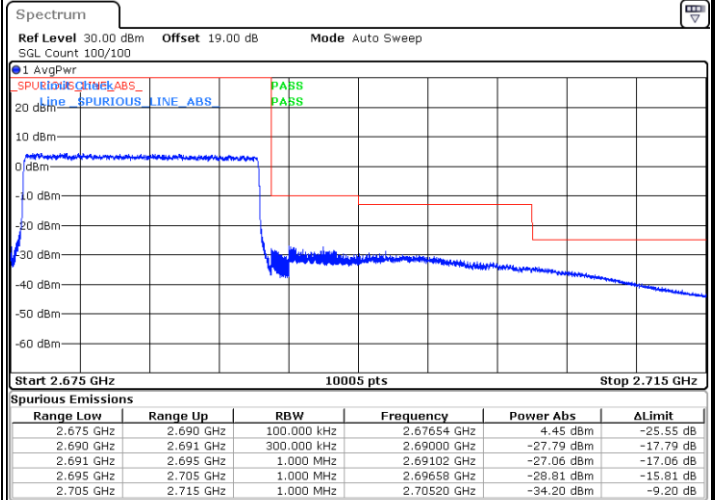
Date: 22.SEP.2023 11:43:37

Lowest Band Edge / Full RB



Date: 22.SEP.2023 11:38:40

Highest Band Edge / Full RB

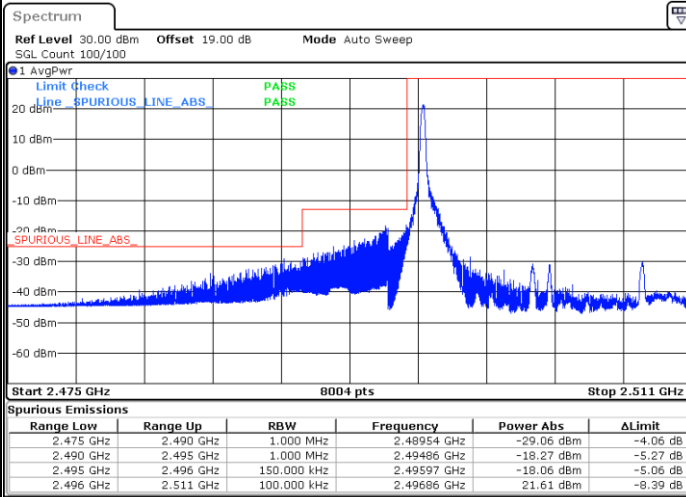


Date: 22.SEP.2023 11:49:19



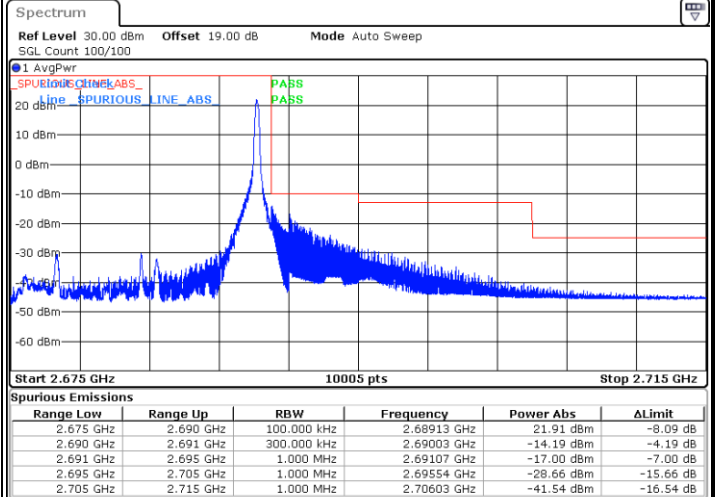
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



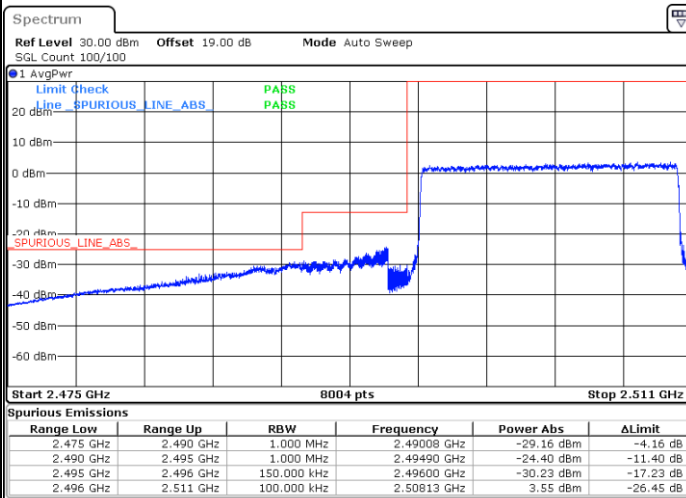
Date: 22.SEP.2023 11:34:05

Highest Band Edge / 1 RB



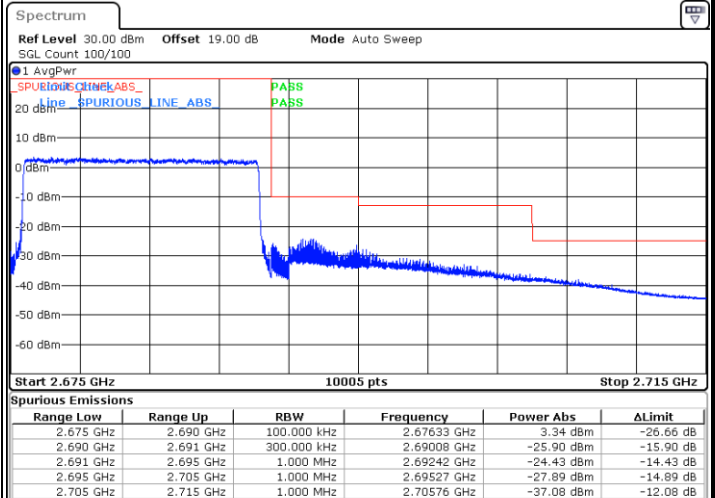
Date: 22.SEP.2023 11:44:45

Lowest Band Edge / Full RB



Date: 22.SEP.2023 11:37:31

Highest Band Edge / Full RB

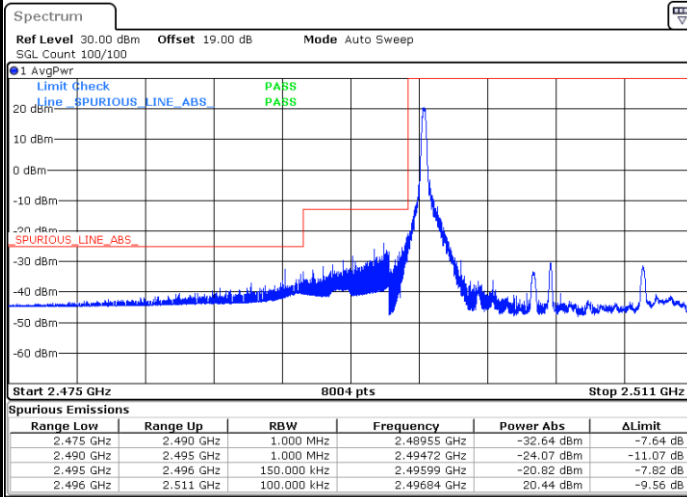


Date: 22.SEP.2023 11:48:11



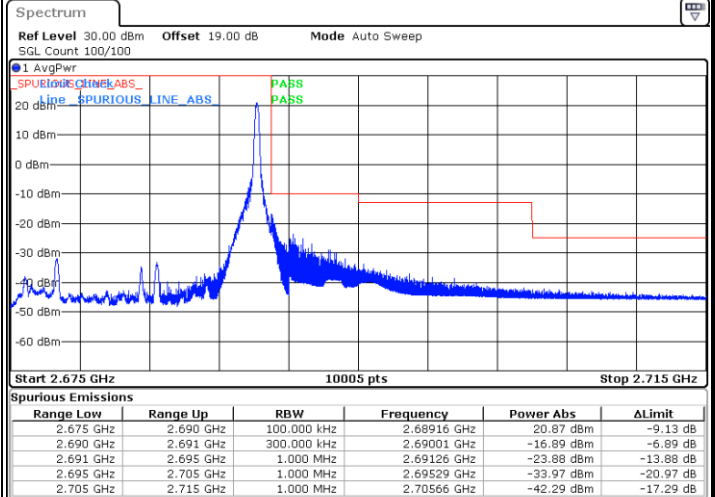
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



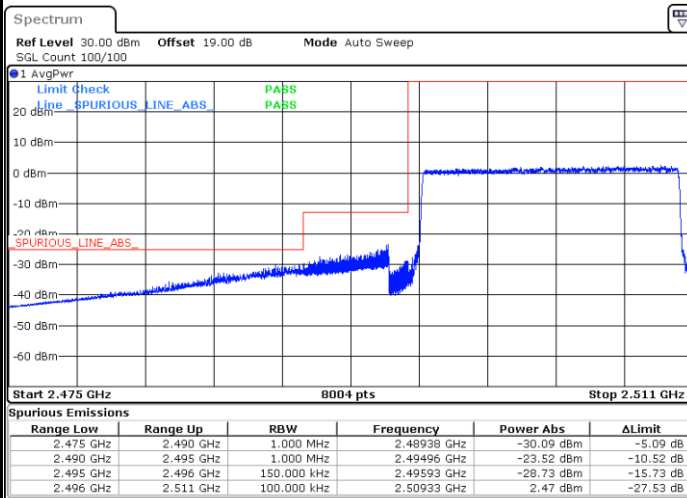
Date: 22.SEP.2023 11:35:13

Highest Band Edge / 1 RB



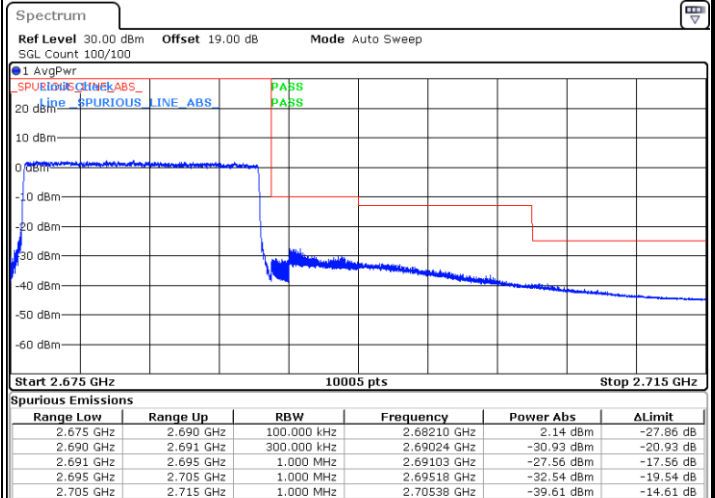
Date: 22.SEP.2023 11:45:54

Lowest Band Edge / Full RB



Date: 22.SEP.2023 11:36:22

Highest Band Edge / Full RB

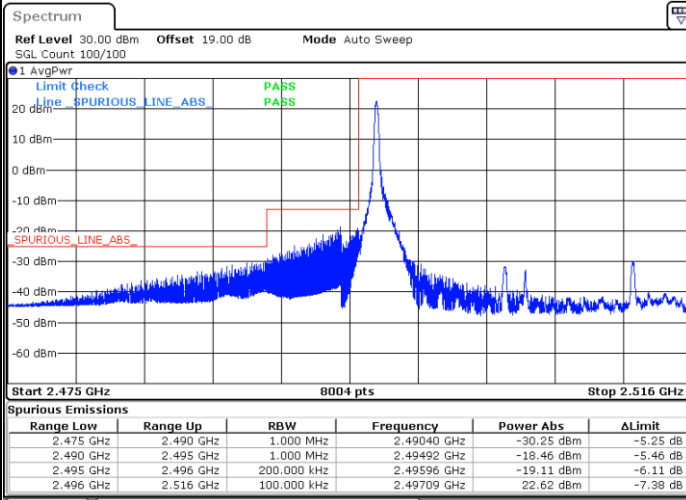


Date: 22.SEP.2023 11:47:02



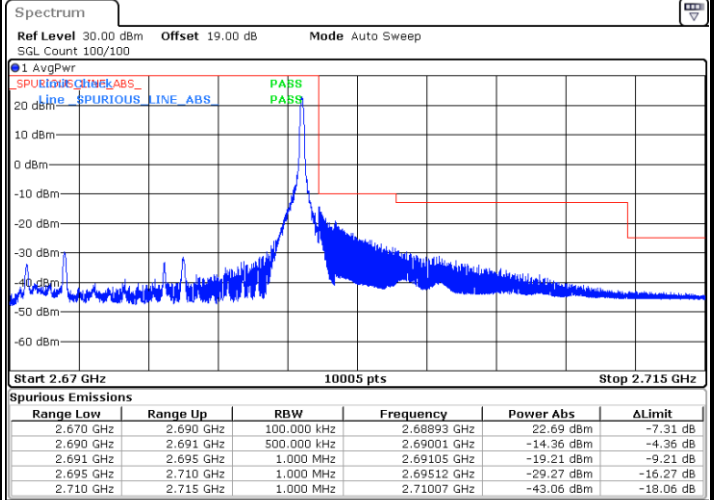
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



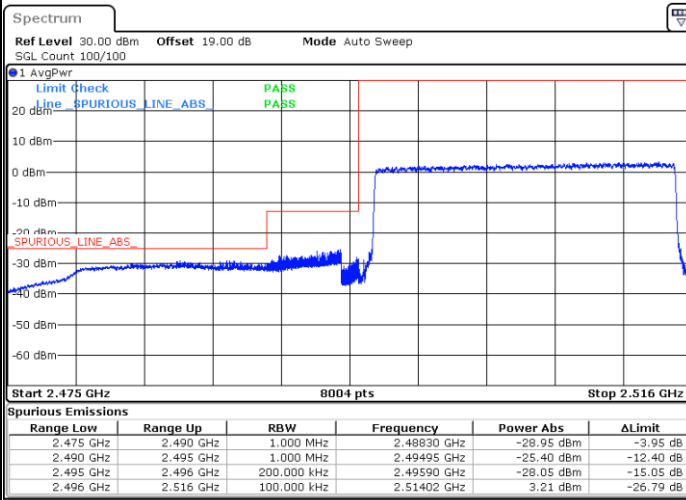
Date: 22.SEP.2023 13:04:11

Highest Band Edge / 1 RB



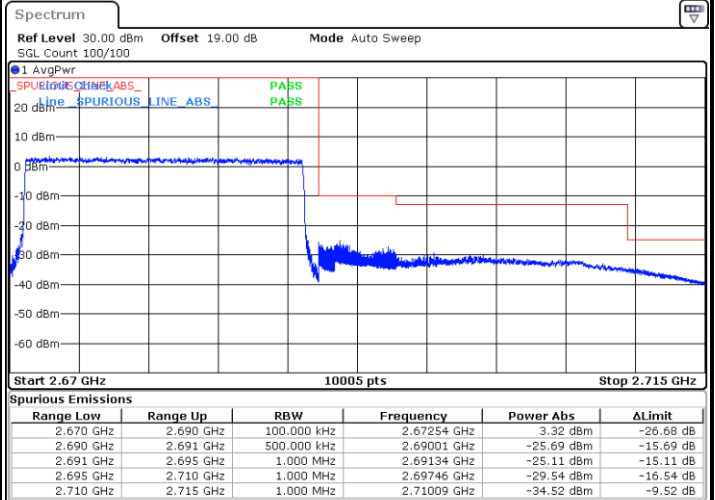
Date: 22.SEP.2023 13:16:20

Lowest Band Edge / Full RB



Date: 22.SEP.2023 13:09:55

Highest Band Edge / Full RB

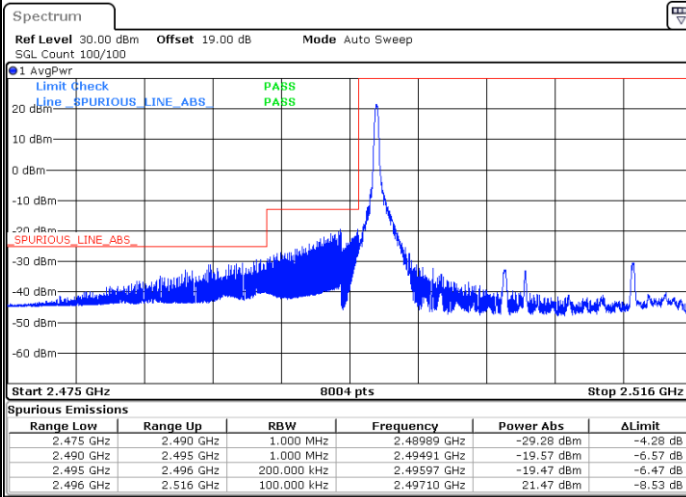


Date: 22.SEP.2023 13:22:02



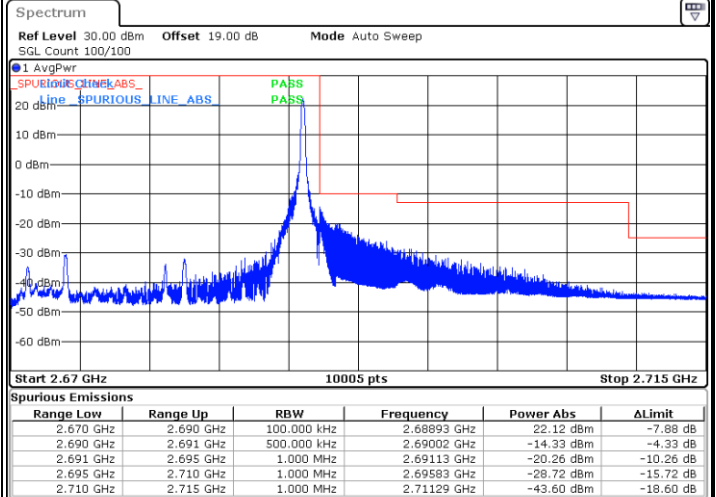
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



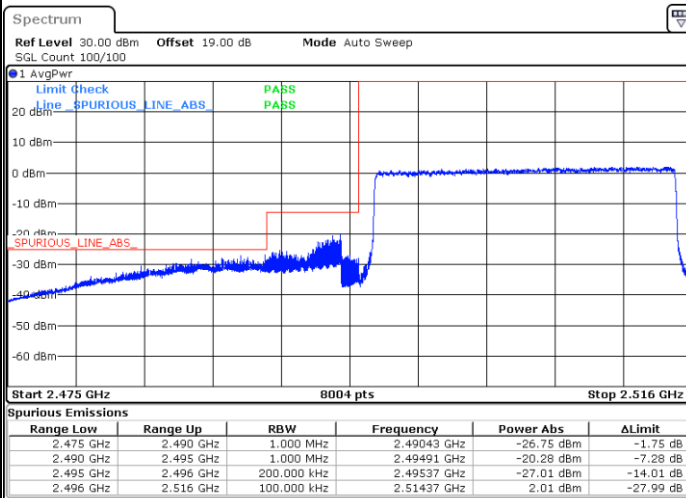
Date: 22.SEP.2023 13:05:20

Highest Band Edge / 1 RB



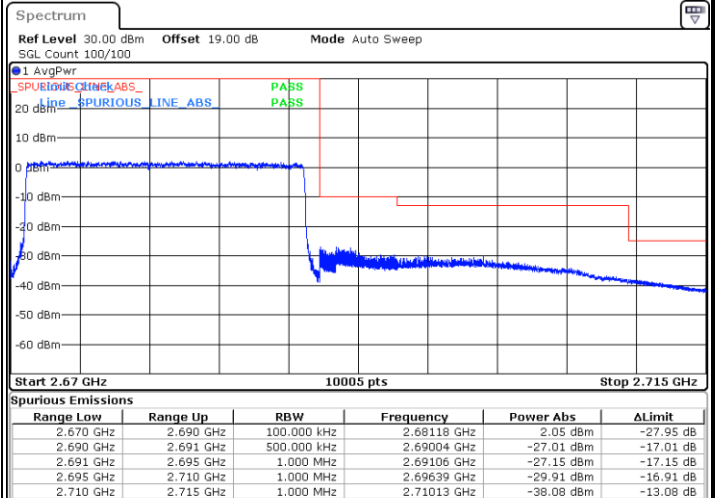
Date: 22.SEP.2023 13:17:29

Lowest Band Edge / Full RB



Date: 22.SEP.2023 13:08:46

Highest Band Edge / Full RB



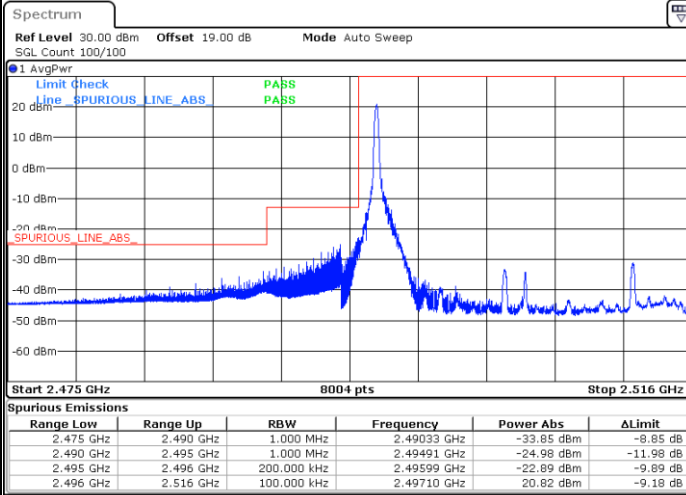
Date: 22.SEP.2023 13:20:54





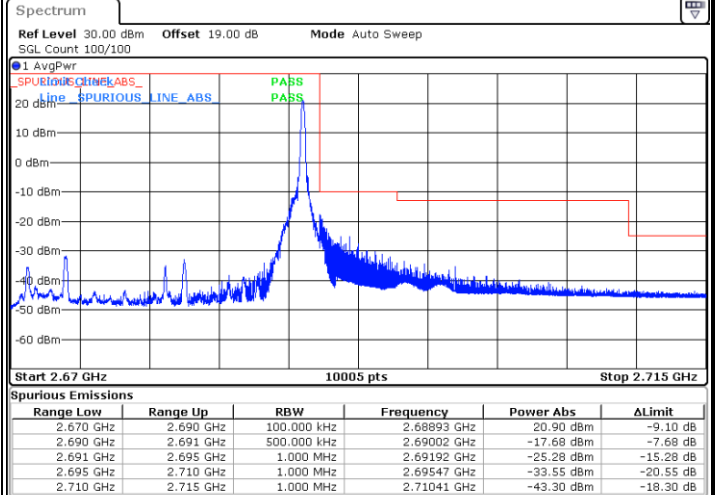
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



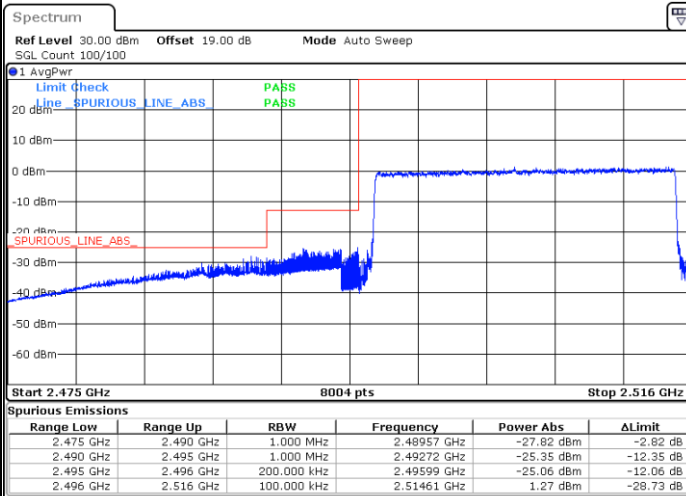
Date: 22.SEP.2023 13:06:29

Highest Band Edge / 1 RB



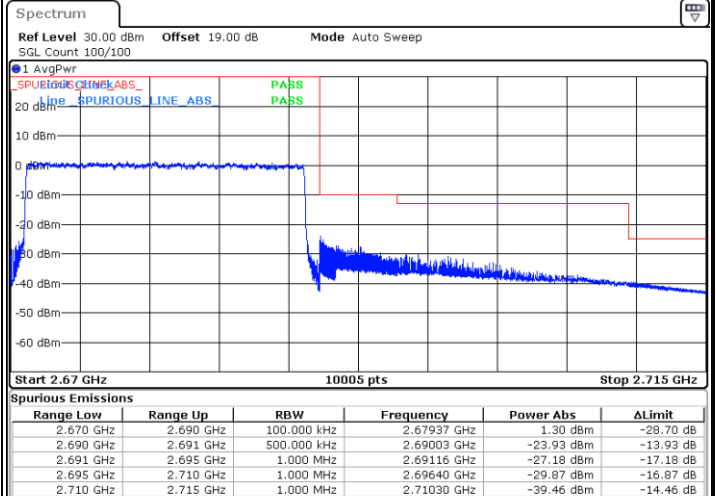
Date: 22.SEP.2023 13:18:37

Lowest Band Edge / Full RB



Date: 22.SEP.2023 13:07:38

Highest Band Edge / Full RB



Date: 22.SEP.2023 13:19:45

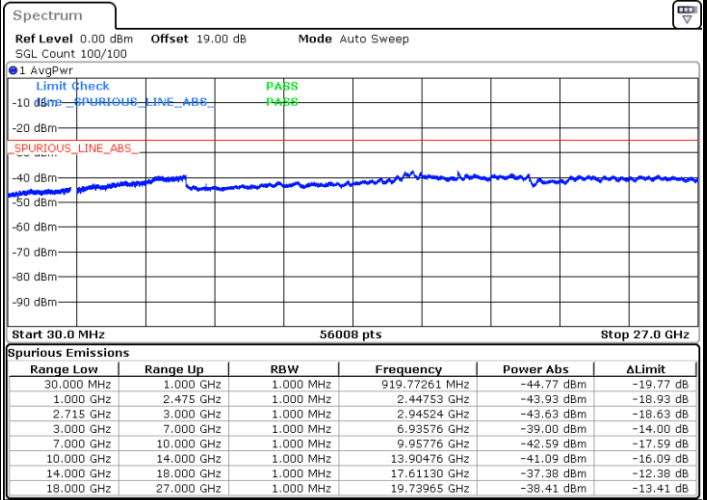
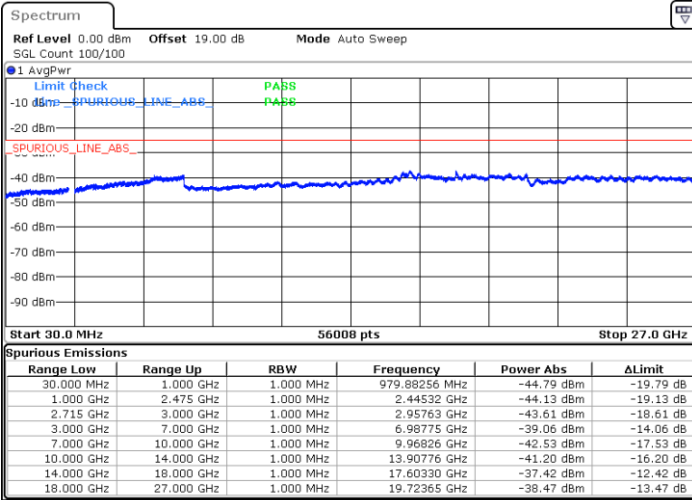


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

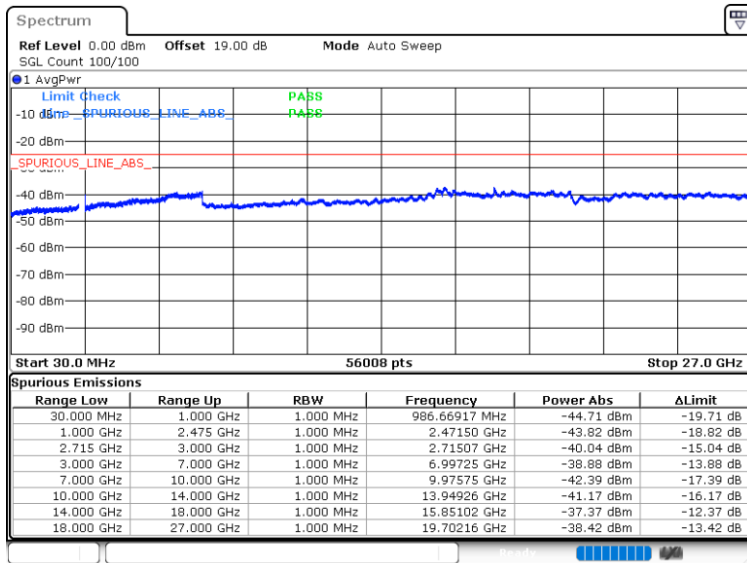
### Middle Channel / QPSK



Date: 22.SEP.2023 13:29:17

Date: 22.SEP.2023 10:56:39

### Highest Channel / QPSK



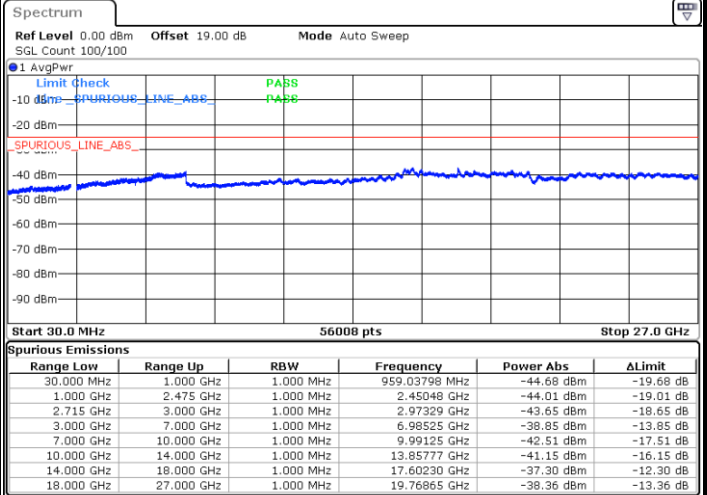
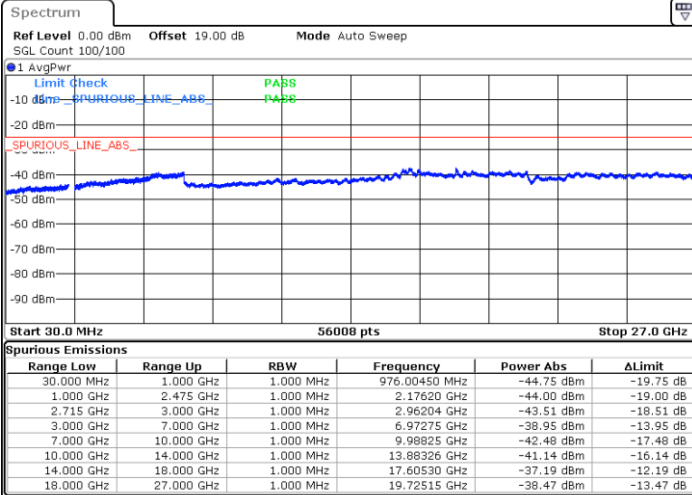
Date: 22.SEP.2023 11:06:04



LTE Band 41 / 10MHz

Lowest Channel / QPSK

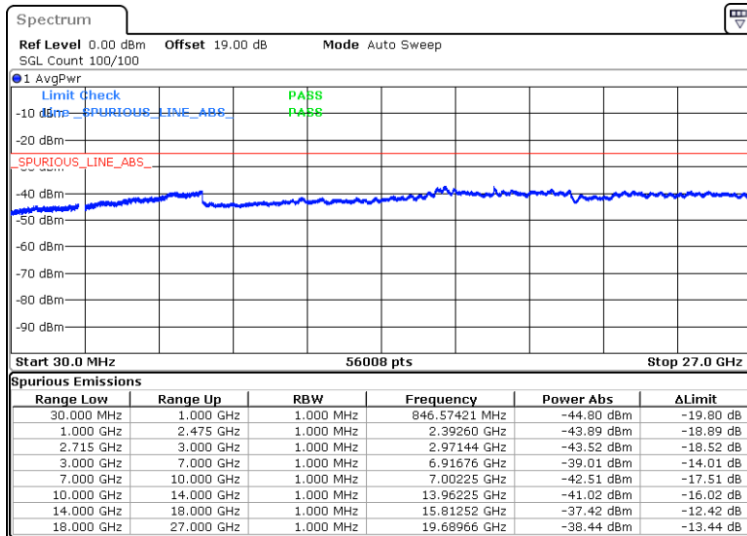
Middle Channel / QPSK



Date: 22.SEP.2023 11:15:38

Date: 22.SEP.2023 11:16:51

Highest Channel / QPSK



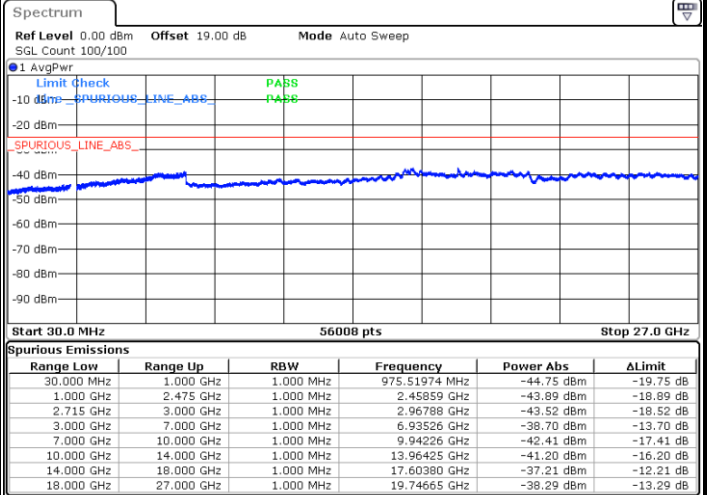
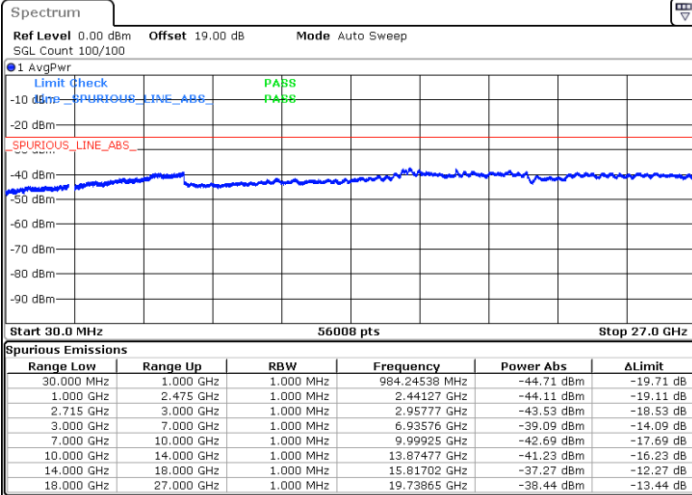
Date: 22.SEP.2023 11:26:17



LTE Band 41 / 15MHz

Lowest Channel / QPSK

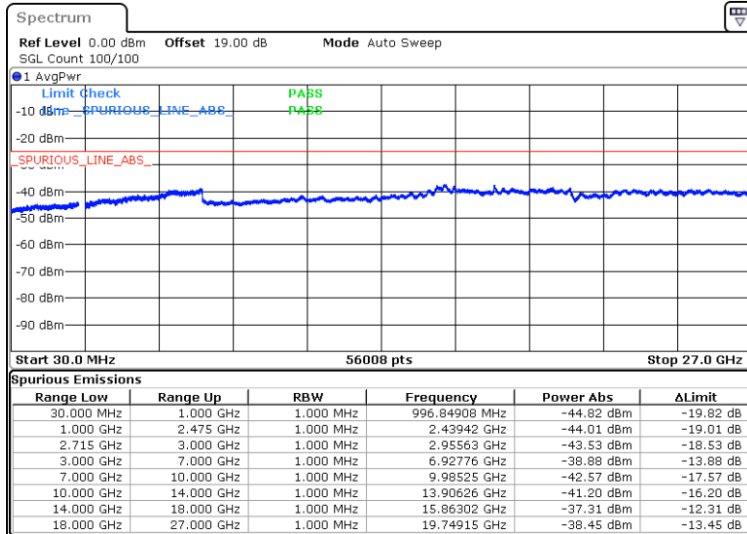
Middle Channel / QPSK



Date: 22.SEP.2023 11:39:52

Date: 22.SEP.2023 11:41:05

Highest Channel / QPSK



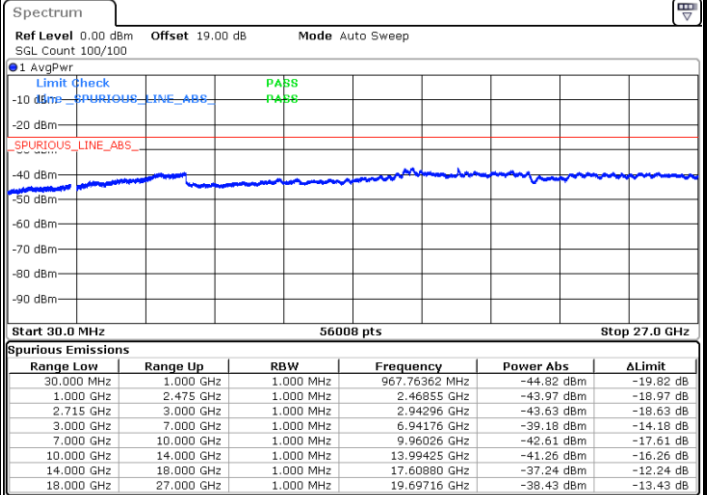
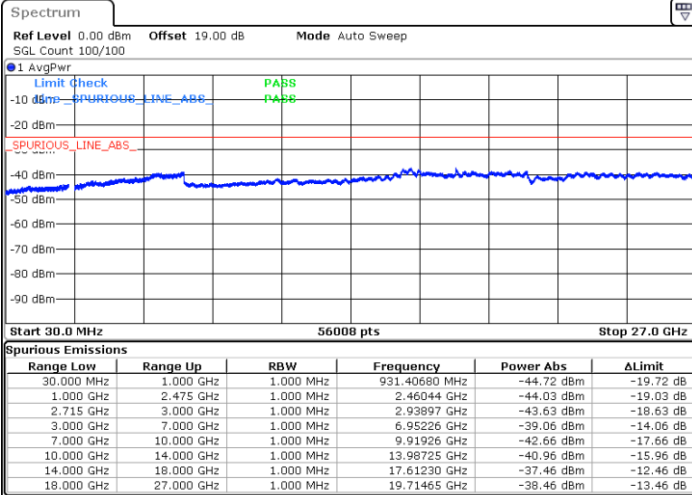
Date: 22.SEP.2023 11:50:32



LTE Band 41 / 20MHz

Lowest Channel / QPSK

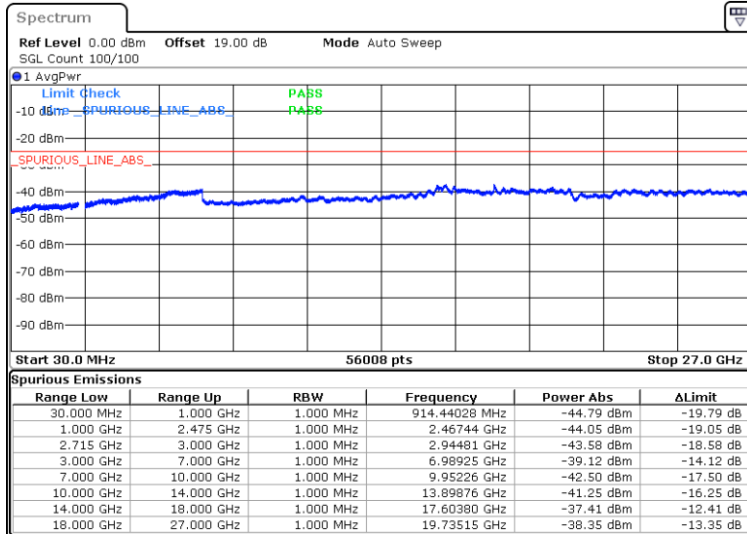
Middle Channel / QPSK



Date: 22.SEP.2023 13:11:08

Date: 22.SEP.2023 13:12:20

Highest Channel / QPSK



Date: 22.SEP.2023 13:23:15



### 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	0.0004	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

**Note:**

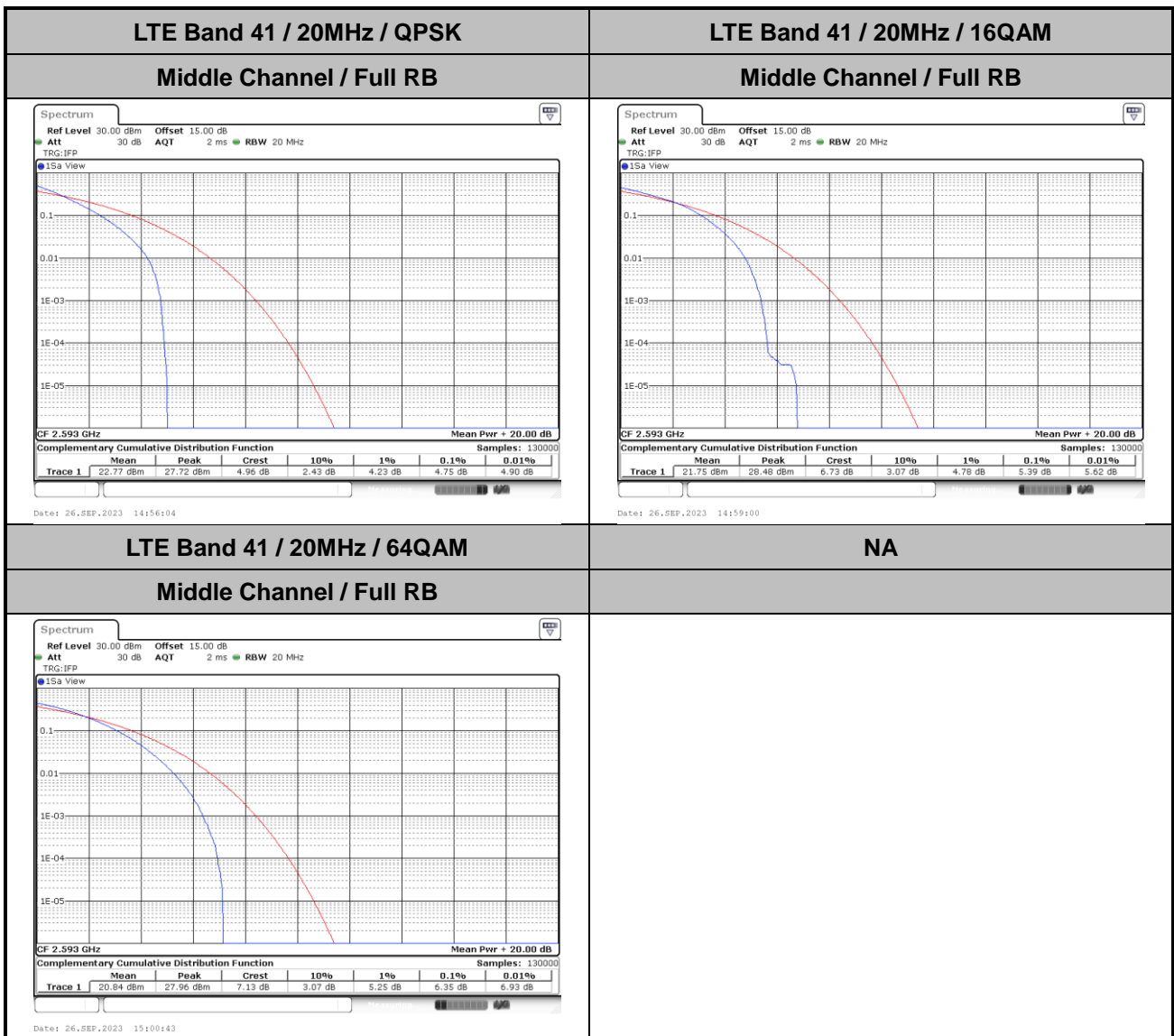
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.45 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 41 (Other PA)

## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.75	5.39	6.35	PASS

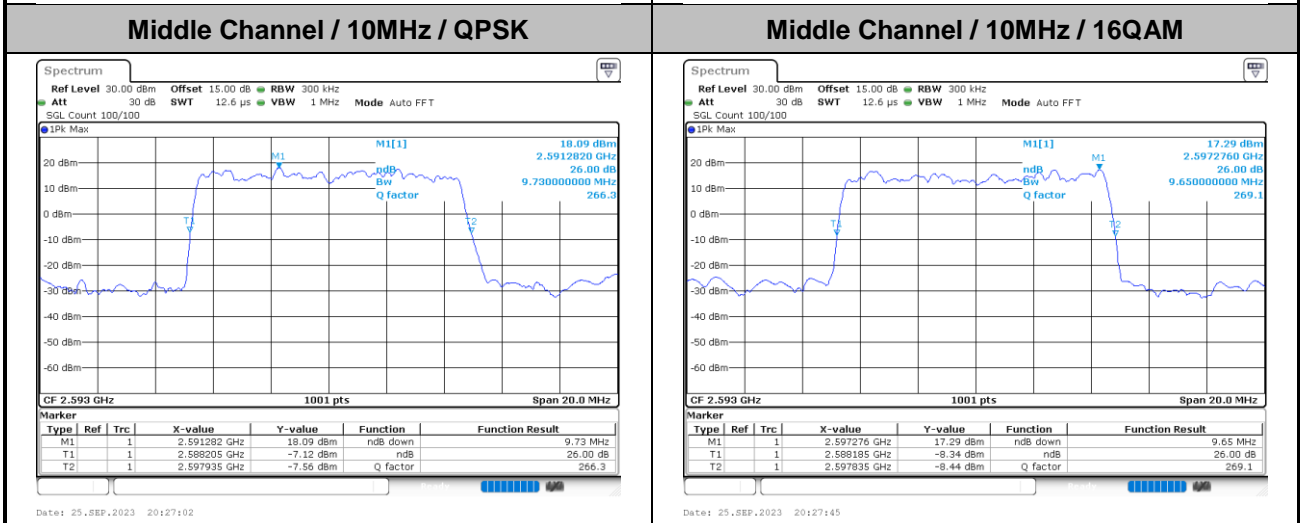
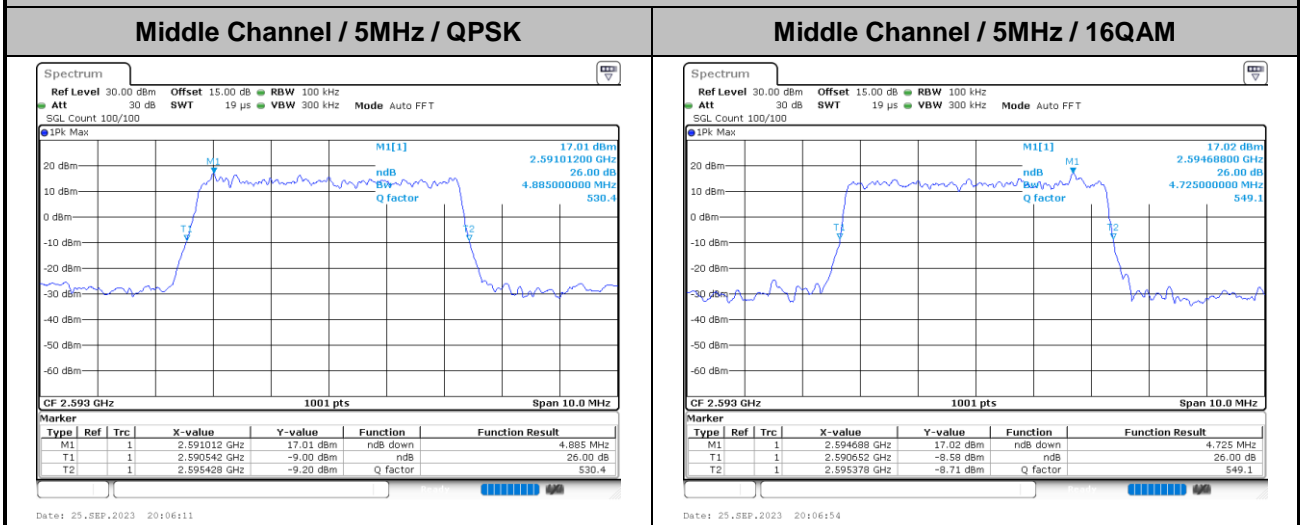




# 26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	-			5MHz		10MHz		15MHz		20MHz		
Mod.	-	-	-	-	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.89	4.73	9.73	9.65	14.15	14.24	18.78	18.82

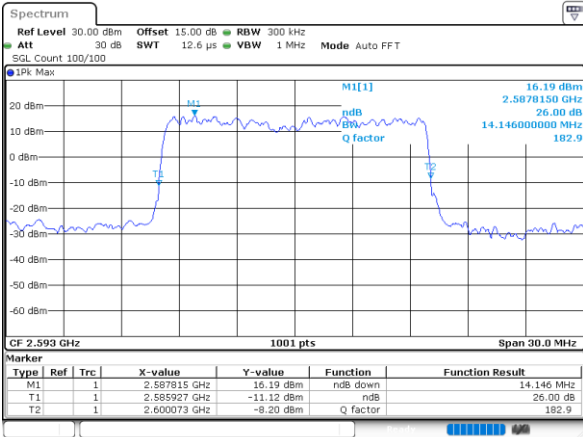
## LTE Band 41





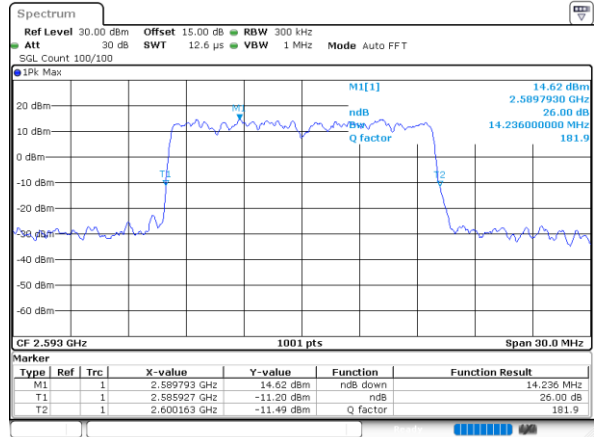


Middle Channel / 15MHz / QPSK



Date: 25\_SEP.2023 20:47:51

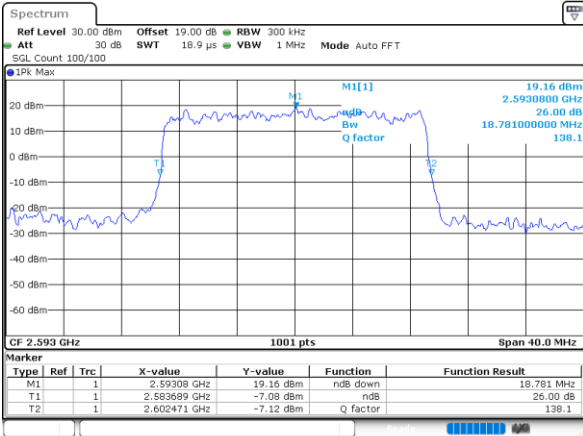
Middle Channel / 15MHz / 16QAM



Date: 25\_SEP.2023 20:48:33

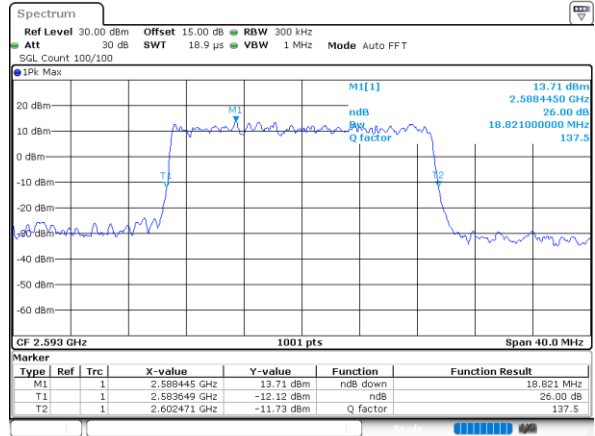
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 26\_SEP.2023 14:52:58

Middle Channel / 20MHz / 16QAM

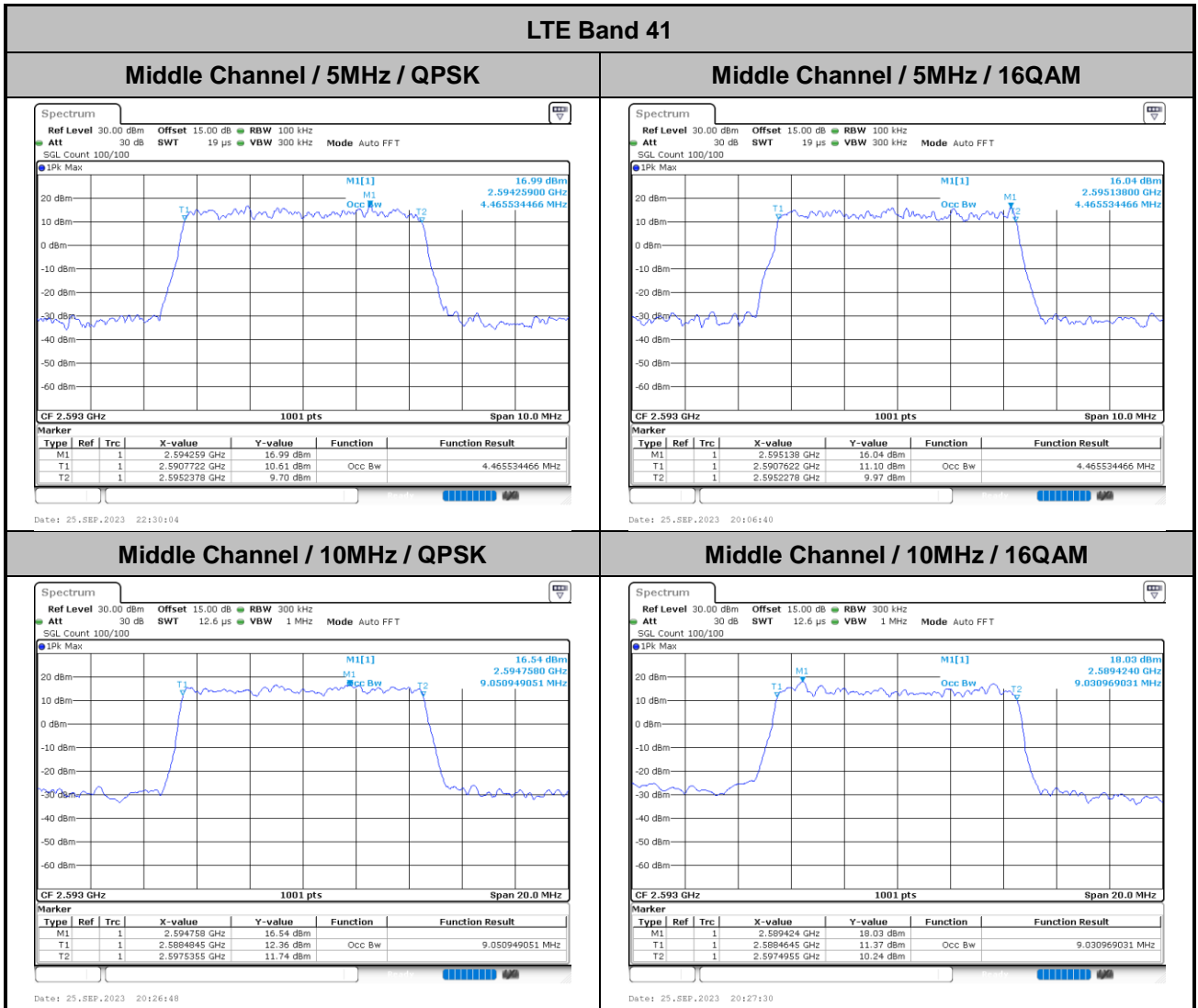


Date: 26\_SEP.2023 15:00:03



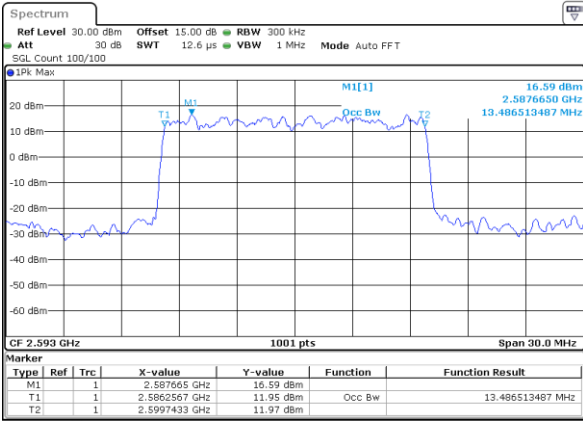
# Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
	-				5MHz		10MHz		15MHz		20MHz	
BW	-				5MHz	10MHz	10MHz	15MHz	15MHz	20MHz	20MHz	
Mod.	-				QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.47	4.47	9.05	9.03	13.49	13.52	17.78	17.82



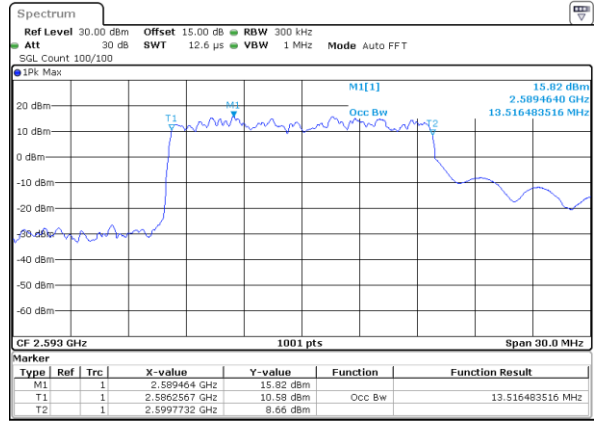


Middle Channel / 15MHz / QPSK



Date: 25\_SEP.2023 20:47:37

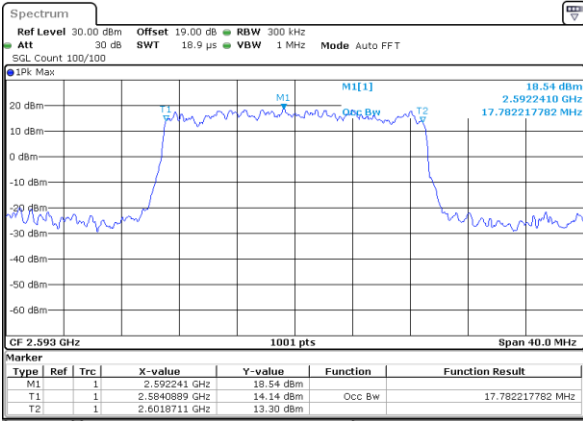
Middle Channel / 15MHz / 16QAM



Date: 25\_SEP.2023 20:48:19

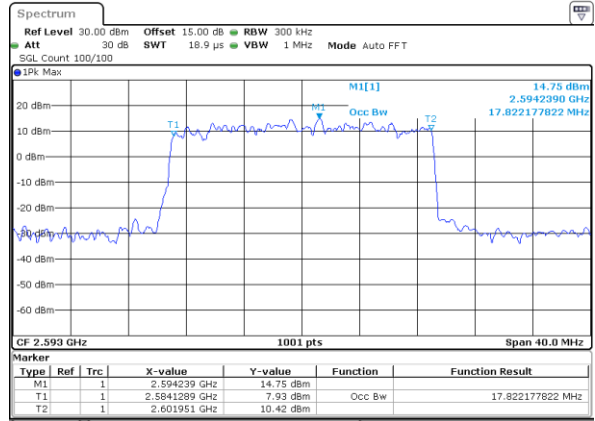
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 26\_SEP.2023 14:51:11

Middle Channel / 20MHz / 16QAM



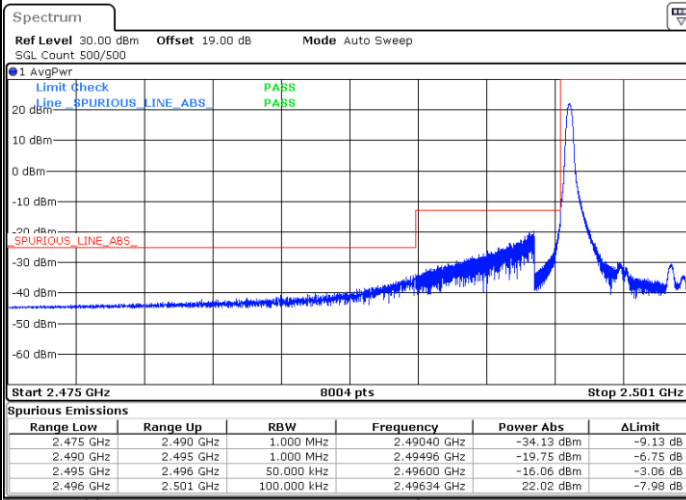
Date: 26\_SEP.2023 14:59:32



# Conducted Band Edge

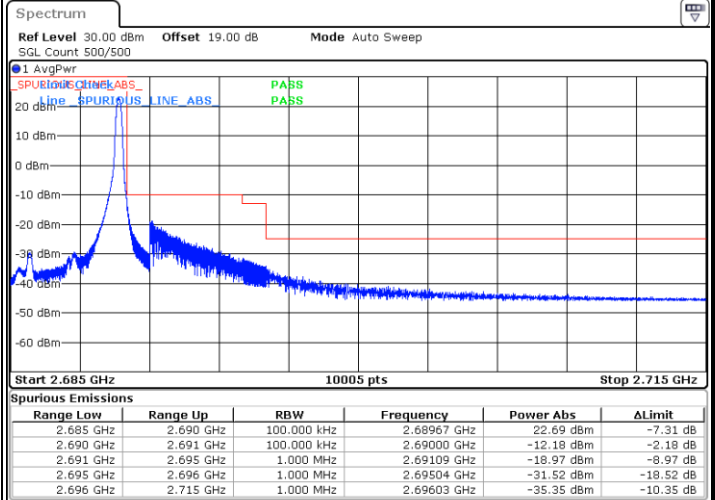
## LTE Band 41 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



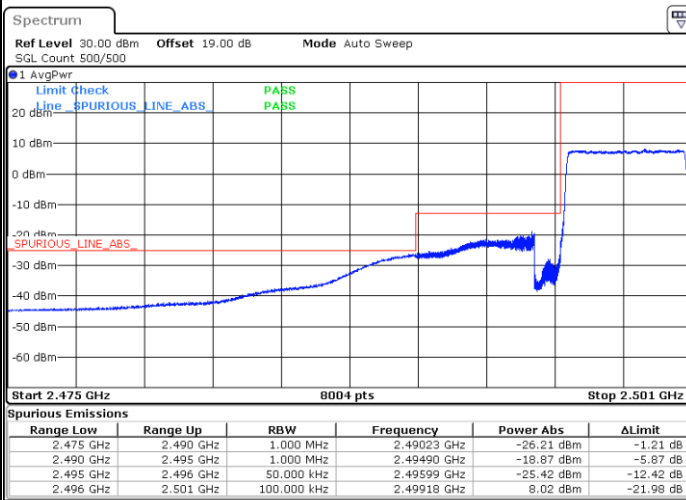
Date: 25.SEP.2023 22:04:27

### Highest Band Edge / 1 RB



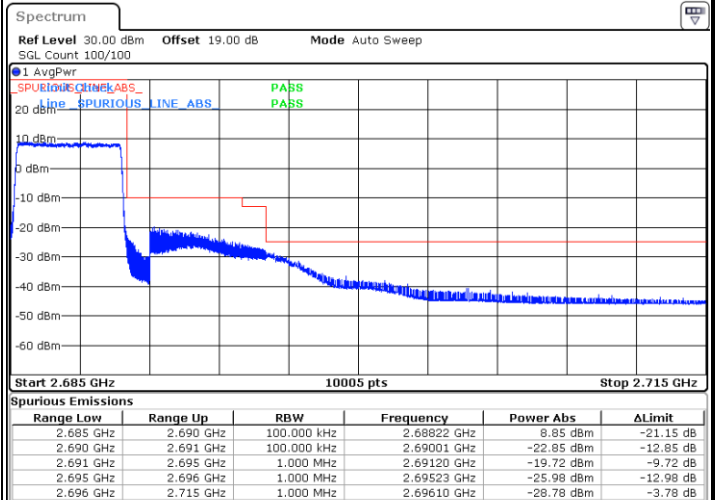
Date: 25.SEP.2023 22:25:10

### Lowest Band Edge / Full RB



Date: 25.SEP.2023 22:07:24

### Highest Band Edge / Full RB

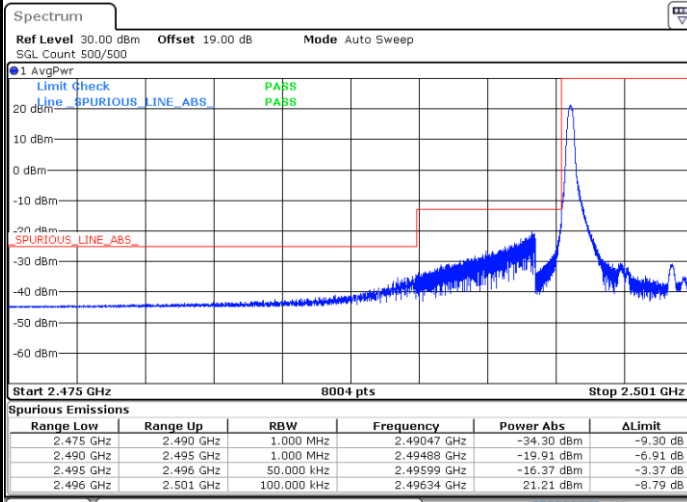


Date: 25.SEP.2023 20:14:48



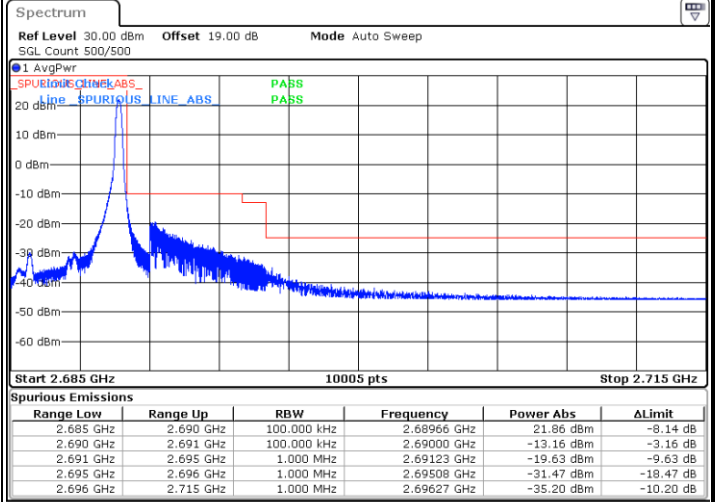
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



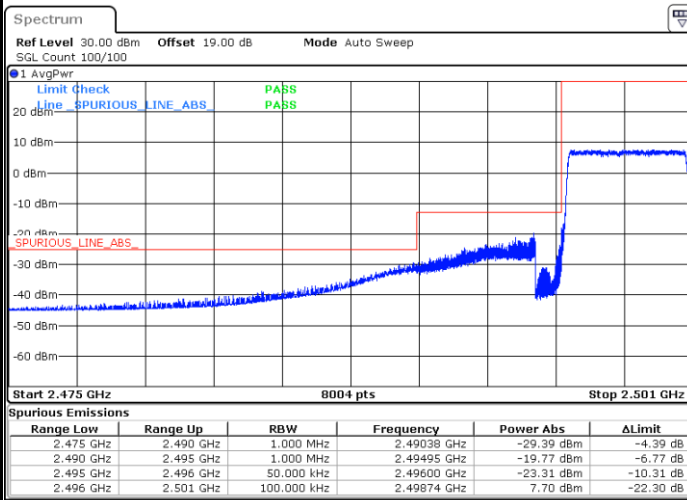
Date: 25.SEP.2023 22:01:20

Highest Band Edge / 1 RB



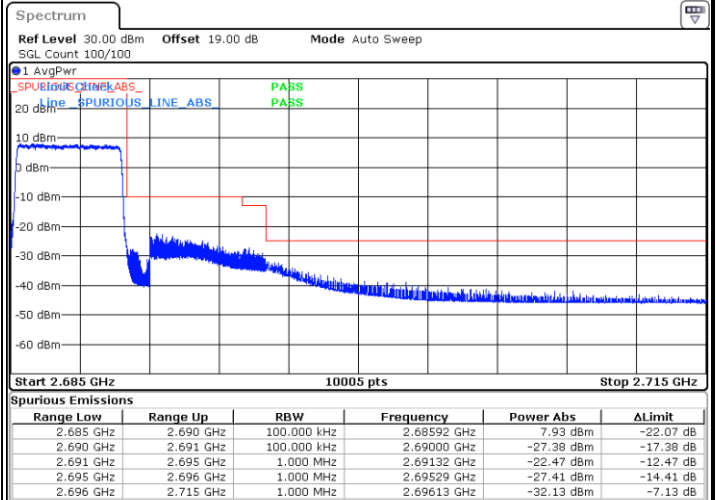
Date: 25.SEP.2023 22:20:21

Lowest Band Edge / Full RB



Date: 25.SEP.2023 20:01:50

Highest Band Edge / Full RB

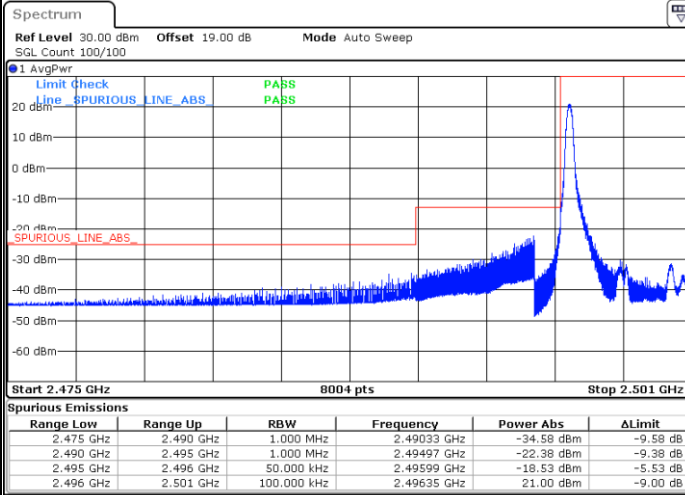


Date: 25.SEP.2023 20:13:29



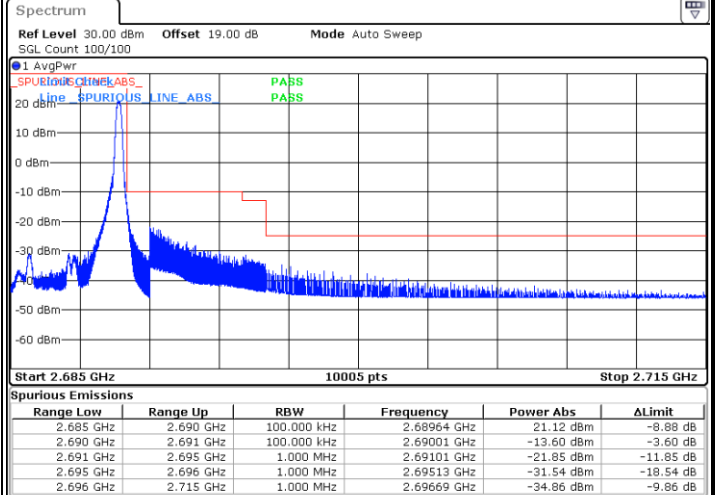
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



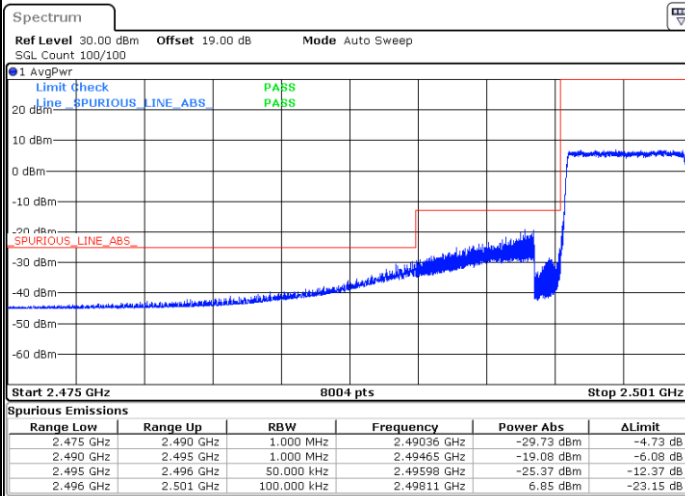
Date: 25.SEP.2023 19:59:10

Highest Band Edge / 1 RB



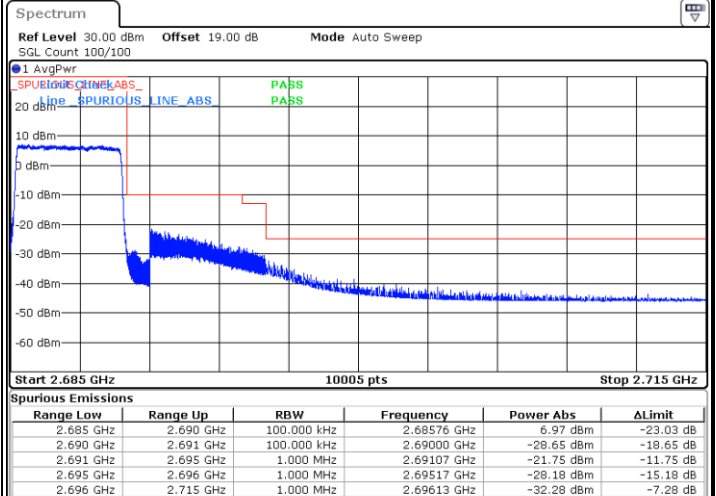
Date: 25.SEP.2023 20:10:50

Lowest Band Edge / Full RB



Date: 25.SEP.2023 20:00:30

Highest Band Edge / Full RB

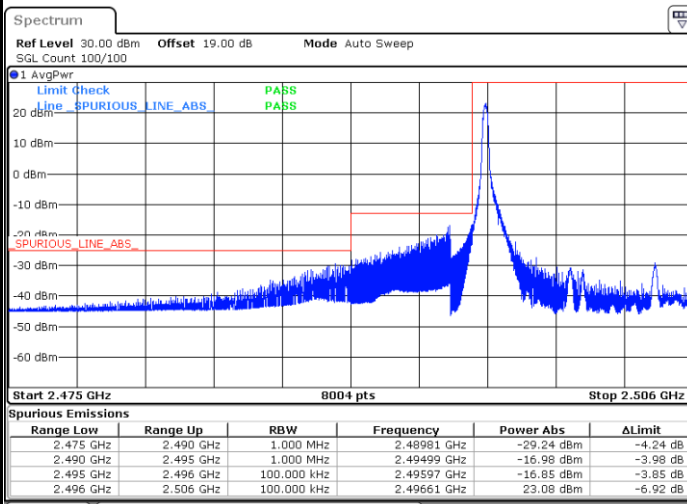


Date: 25.SEP.2023 20:12:10



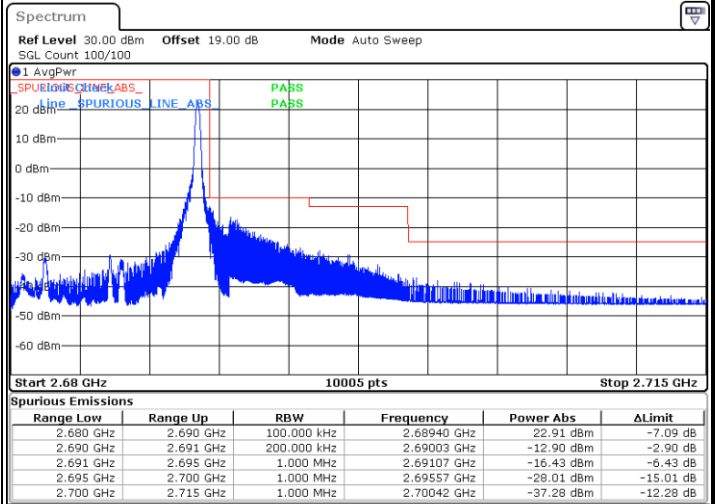
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



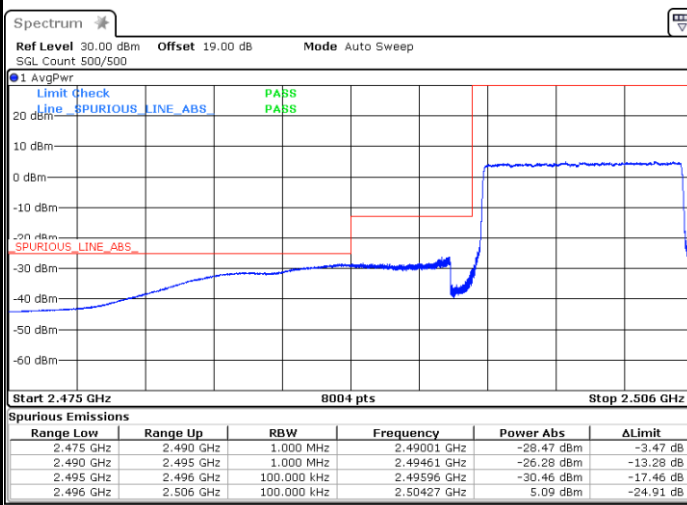
Date: 25.SEP.2023 20:17:23

Highest Band Edge / 1 RB



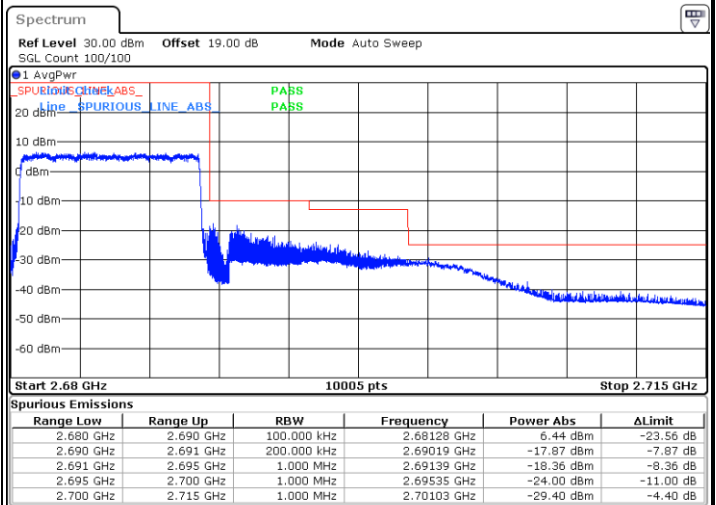
Date: 26.SEP.2023 14:18:59

Lowest Band Edge / Full RB



Date: 26.SEP.2023 14:17:29

Highest Band Edge / Full RB

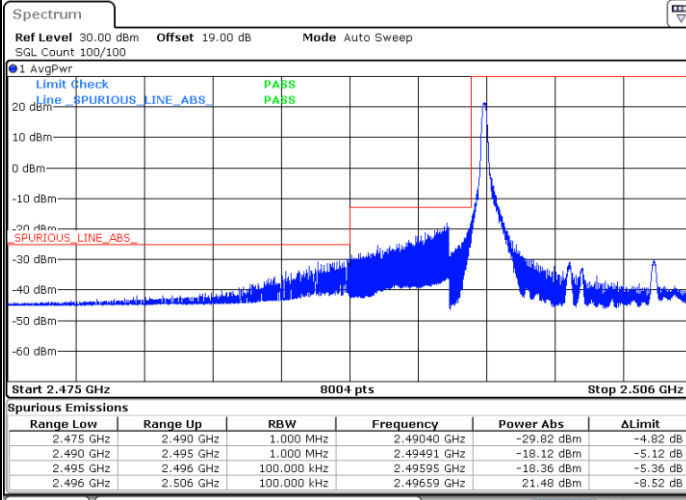


Date: 25.SEP.2023 20:35:39



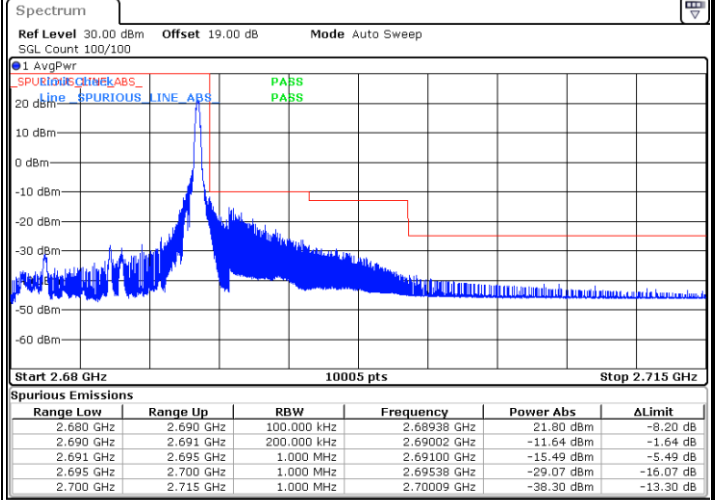
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



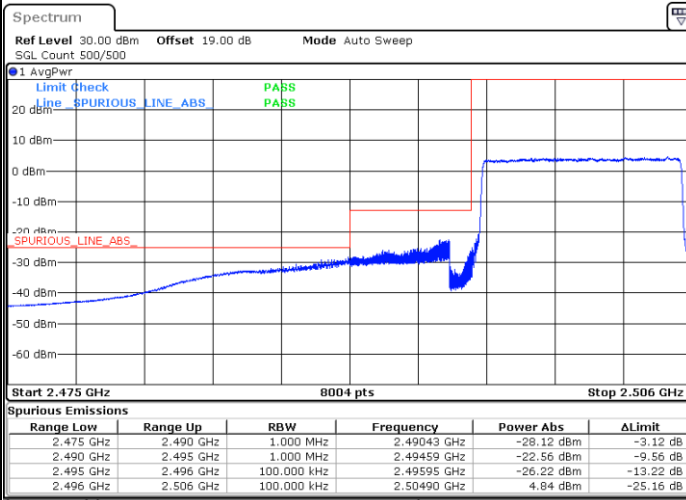
Date: 25.SEP.2023 20:18:43

Highest Band Edge / 1 RB



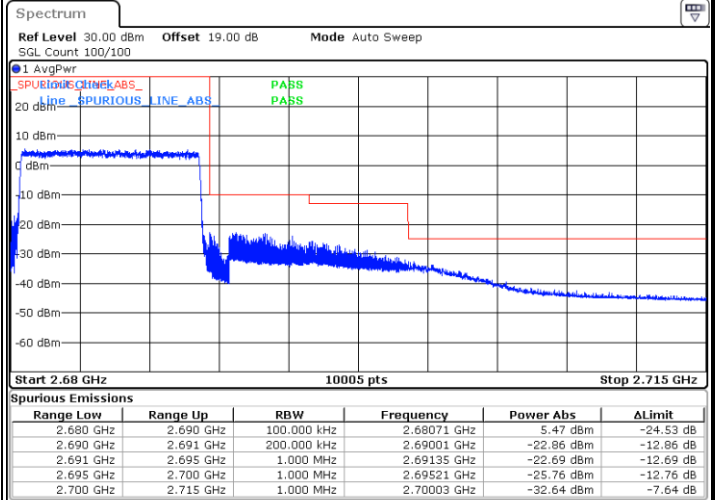
Date: 26.SEP.2023 14:19:59

Lowest Band Edge / Full RB



Date: 25.SEP.2023 22:32:54

Highest Band Edge / Full RB



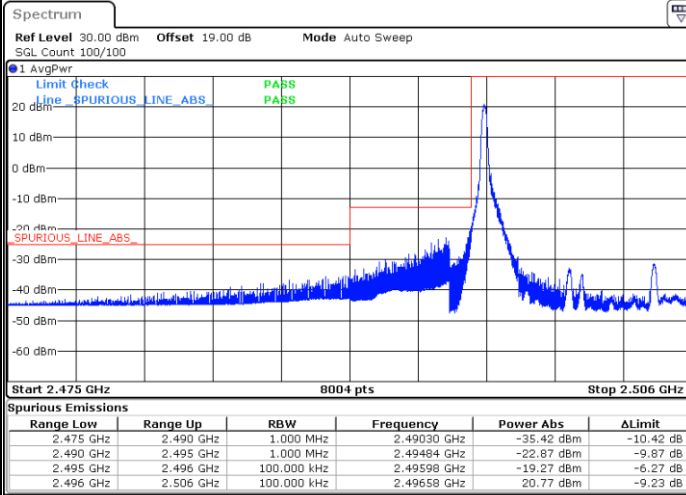
Date: 25.SEP.2023 20:34:19





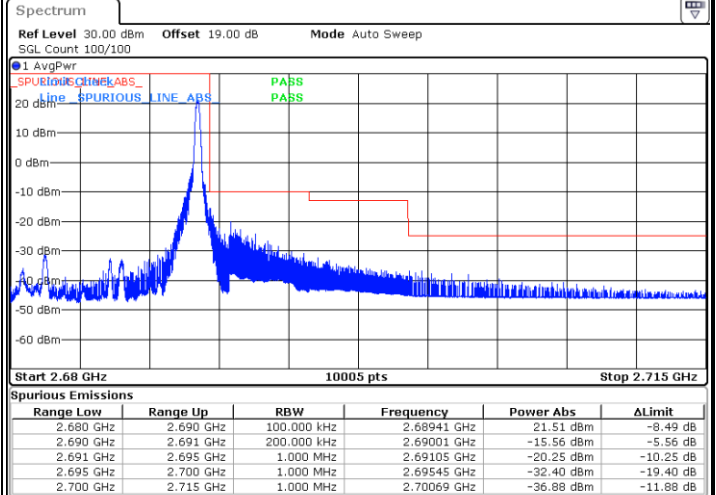
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



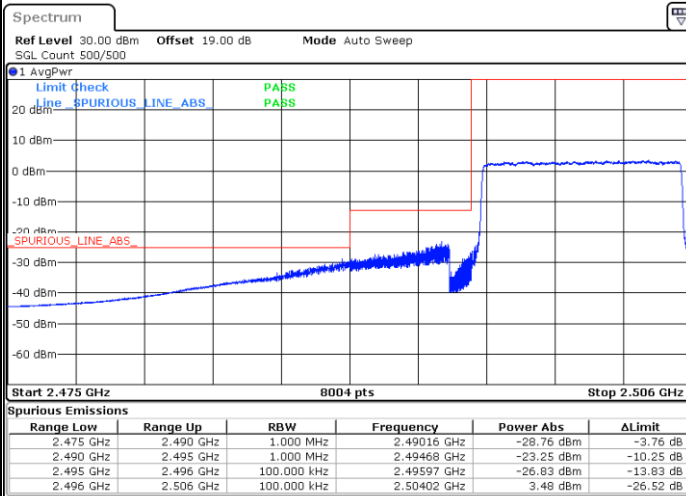
Date: 25.SEP.2023 20:20:02

Highest Band Edge / 1 RB



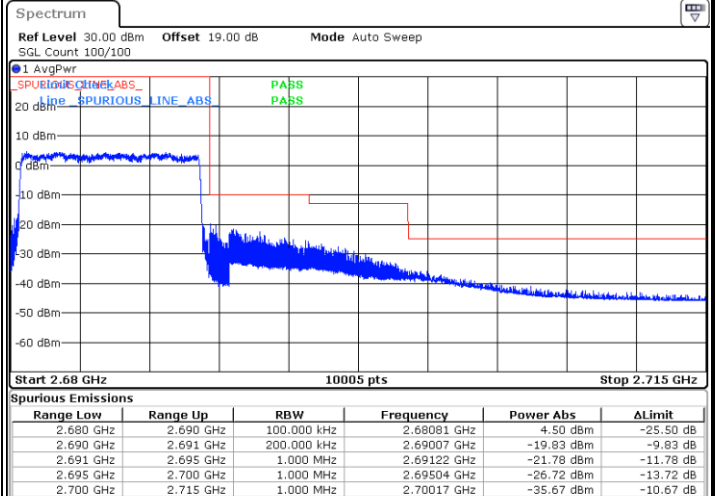
Date: 25.SEP.2023 20:31:41

Lowest Band Edge / Full RB



Date: 25.SEP.2023 22:35:47

Highest Band Edge / Full RB

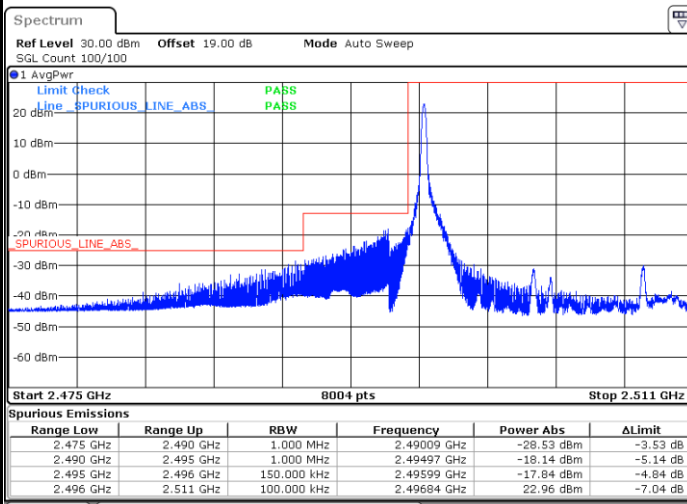


Date: 25.SEP.2023 20:33:00



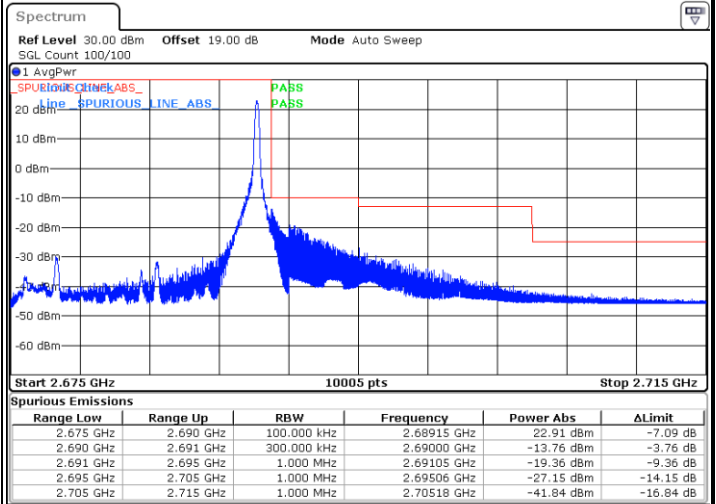
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



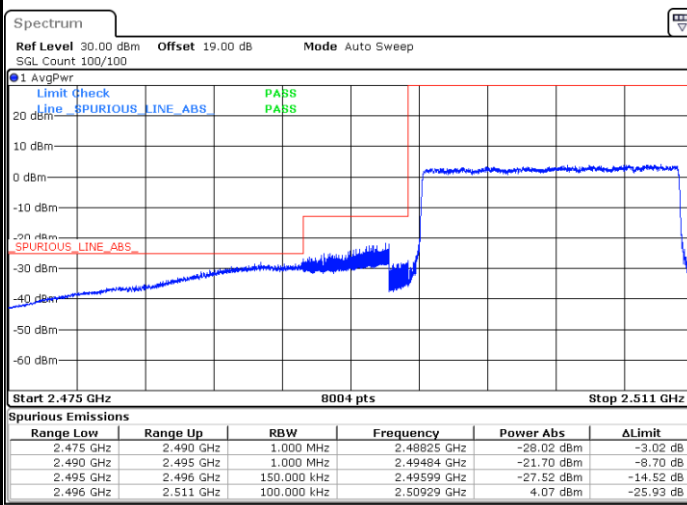
Date: 25.SEP.2023 20:38:12

Highest Band Edge / 1 RB



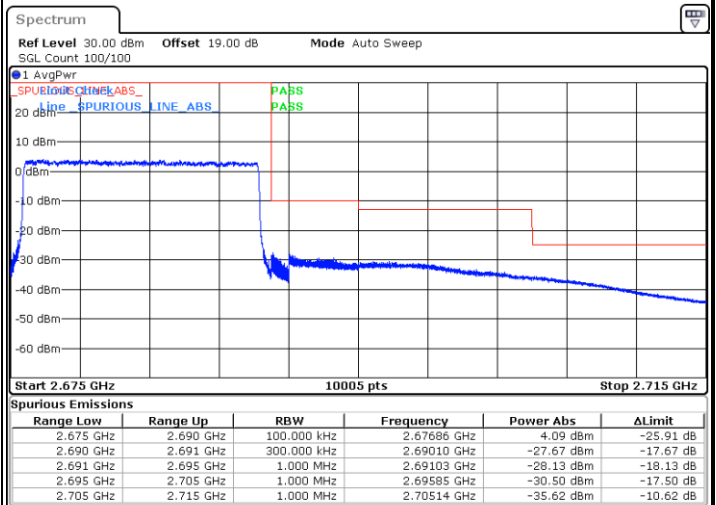
Date: 25.SEP.2023 20:49:52

Lowest Band Edge / Full RB



Date: 26.SEP.2023 14:27:22

Highest Band Edge / Full RB

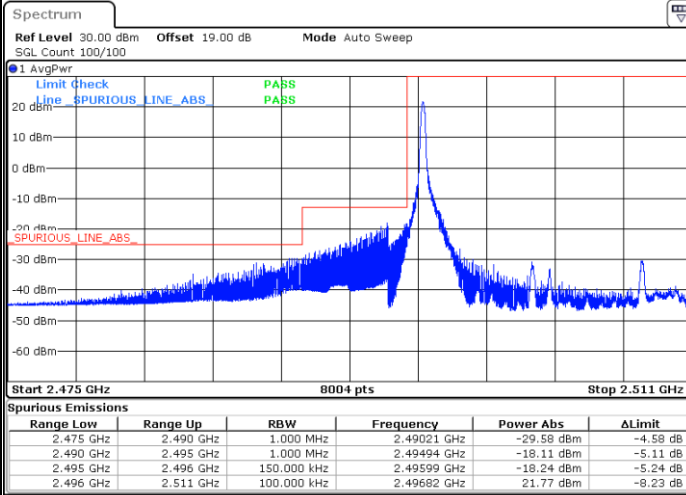


Date: 26.SEP.2023 14:29:30



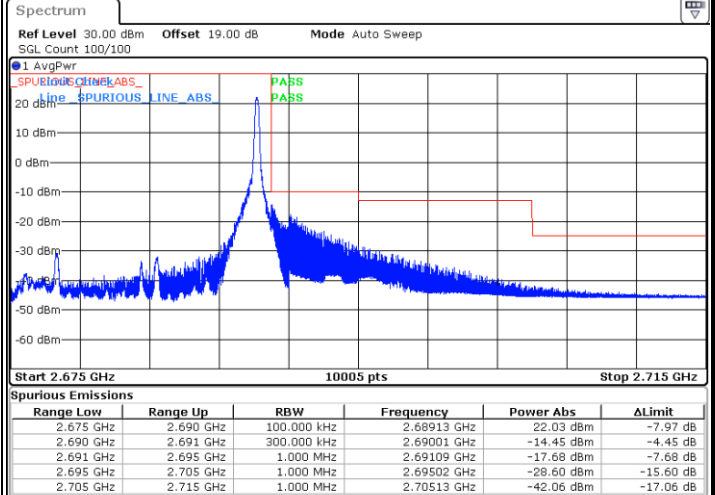
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



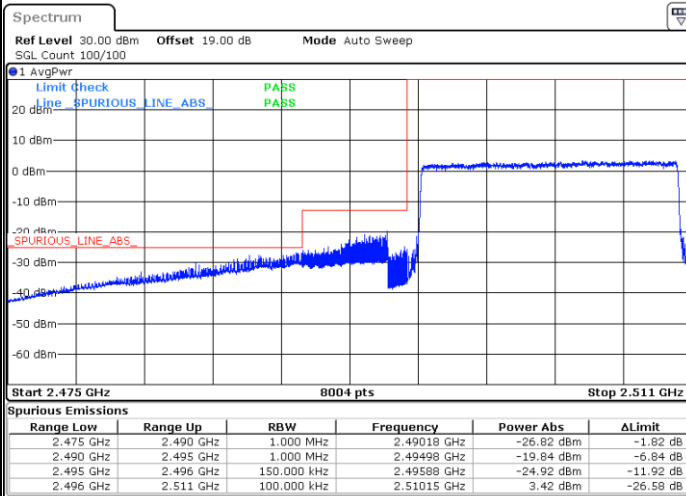
Date: 25.SEP.2023 20:39:32

Highest Band Edge / 1 RB



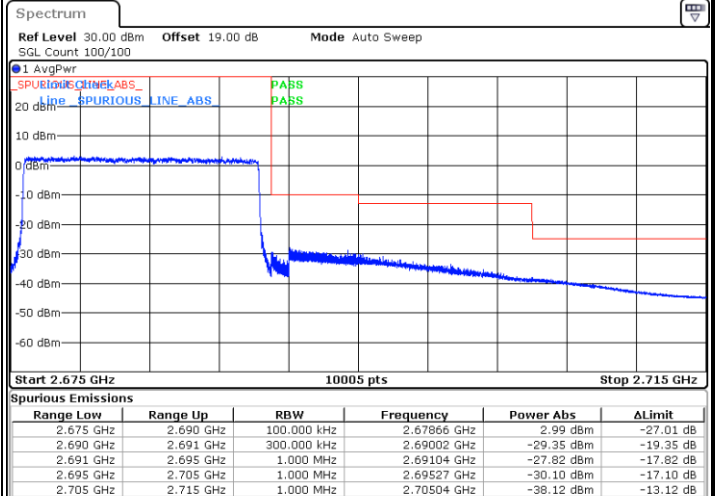
Date: 25.SEP.2023 20:51:11

Lowest Band Edge / Full RB



Date: 25.SEP.2023 20:43:30

Highest Band Edge / Full RB

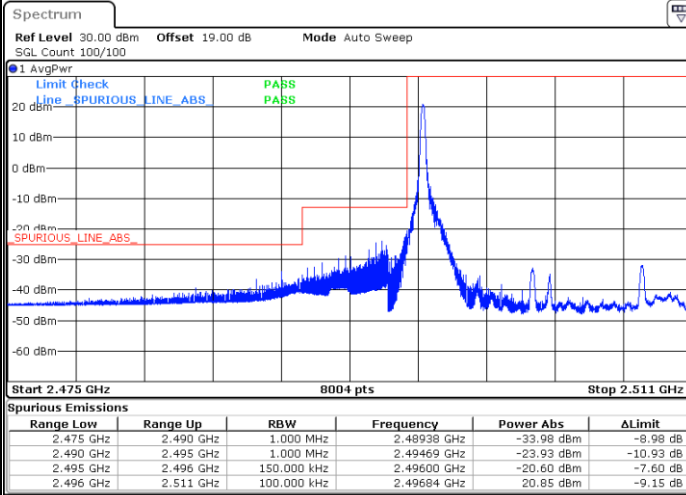


Date: 26.SEP.2023 14:31:00



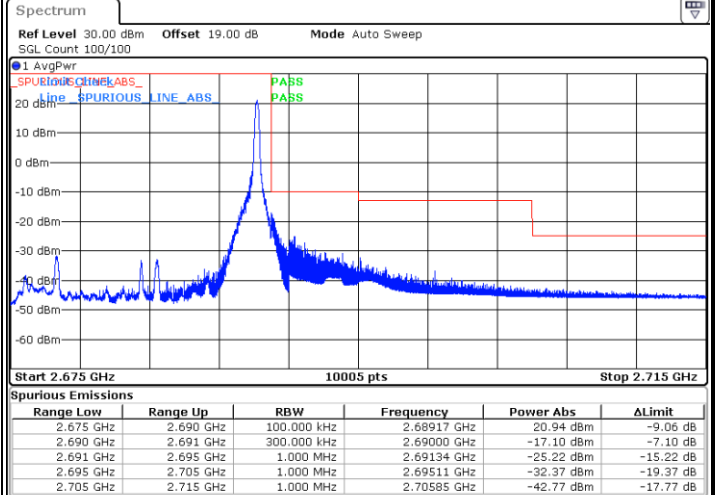
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



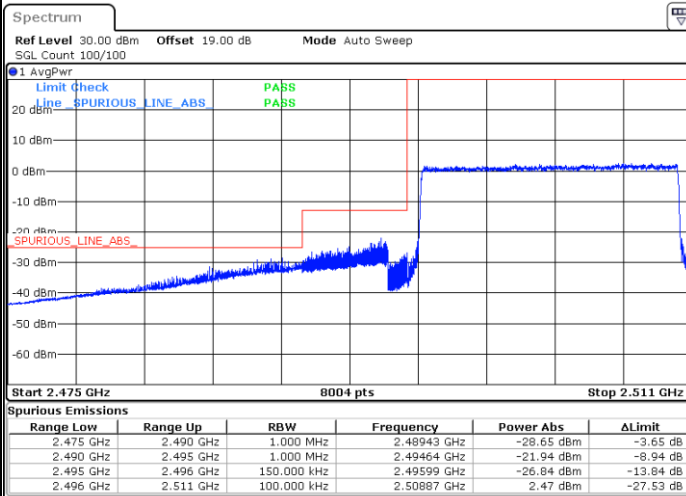
Date: 25.SEP.2023 20:40:51

Highest Band Edge / 1 RB



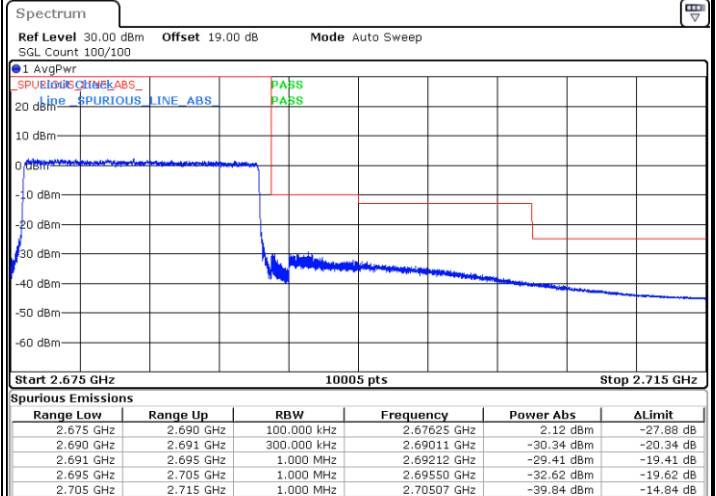
Date: 25.SEP.2023 20:52:30

Lowest Band Edge / Full RB



Date: 25.SEP.2023 20:42:11

Highest Band Edge / Full RB



Date: 26.SEP.2023 14:03:15