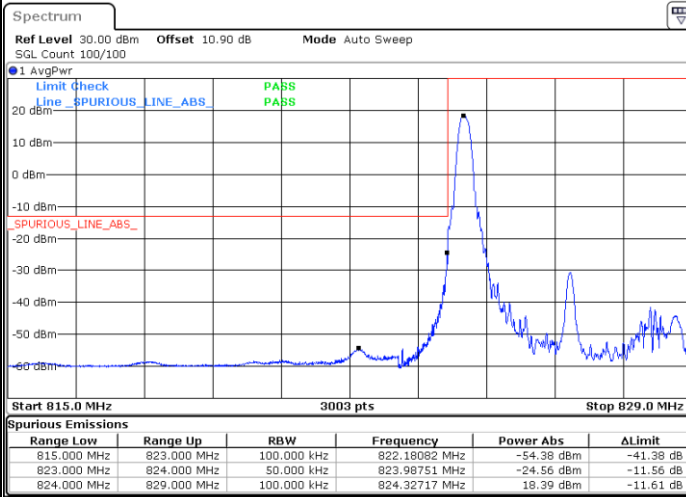




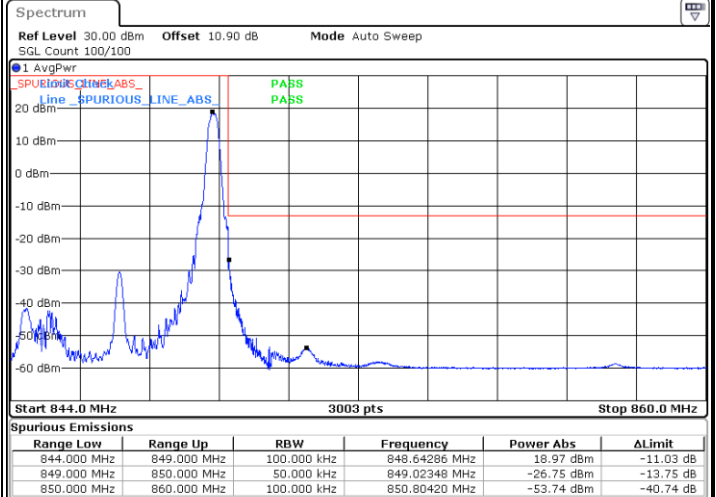
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



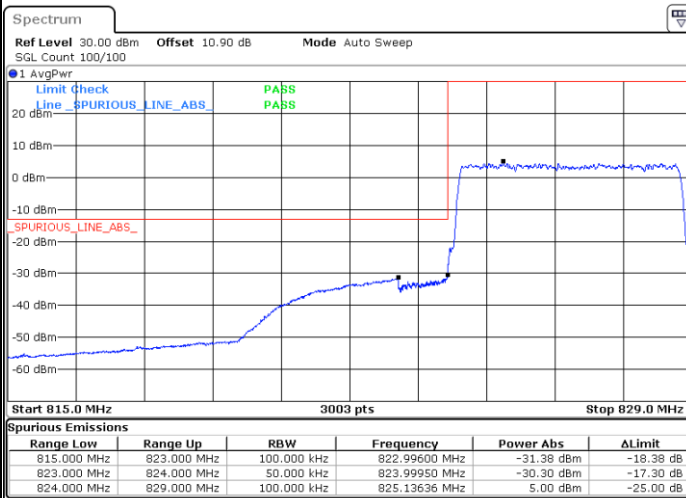
Date: 1.FEB.2021 15:55:53

Highest Band Edge / 1 RB



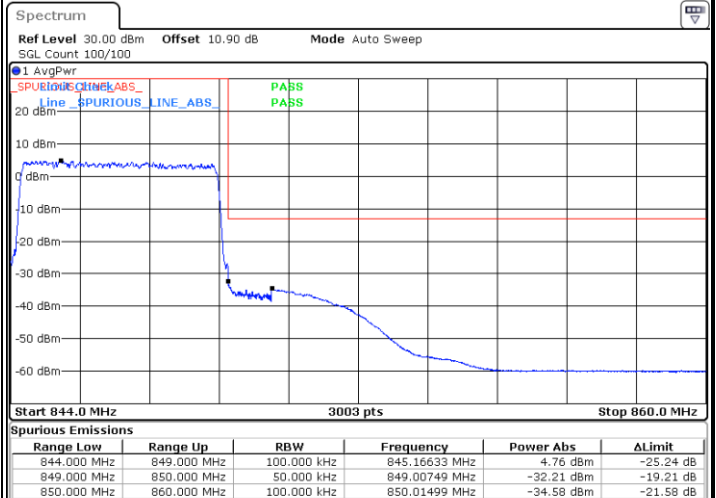
Date: 1.FEB.2021 16:05:43

Lowest Band Edge / Full RB



Date: 1.FEB.2021 15:59:18

Highest Band Edge / Full RB

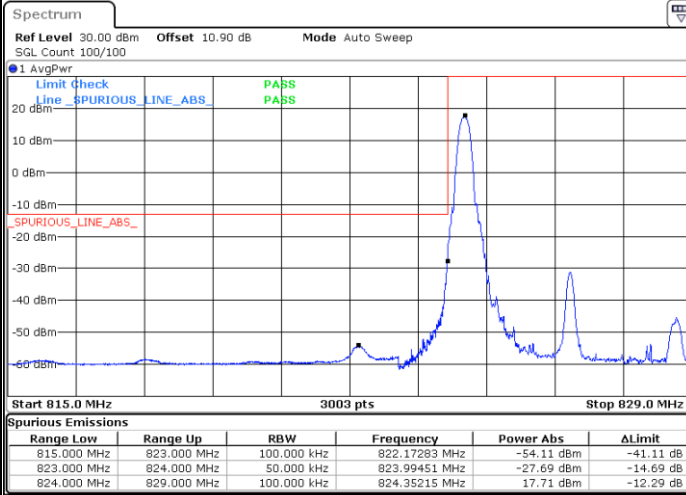


Date: 1.FEB.2021 16:09:08



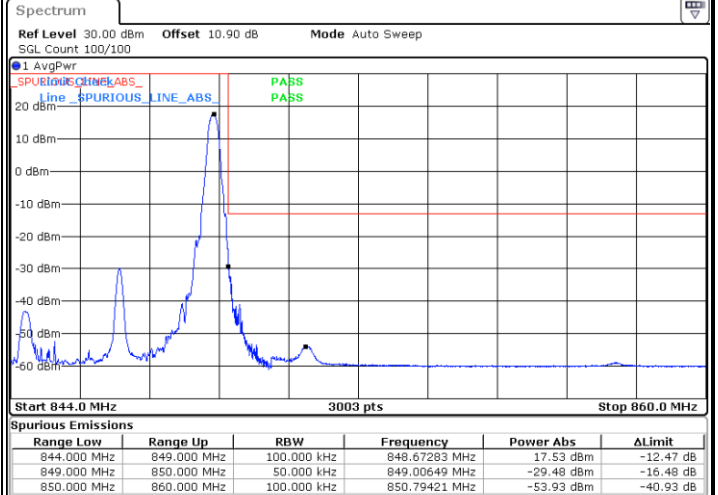
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



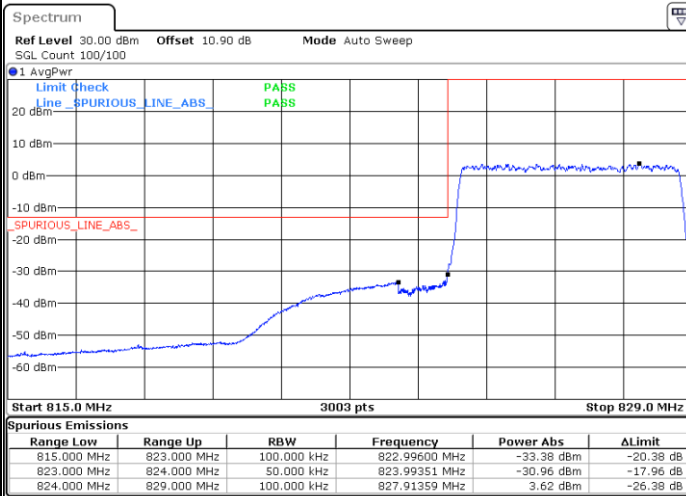
Date: 1.FEB.2021 16:11:53

Highest Band Edge / 1 RB



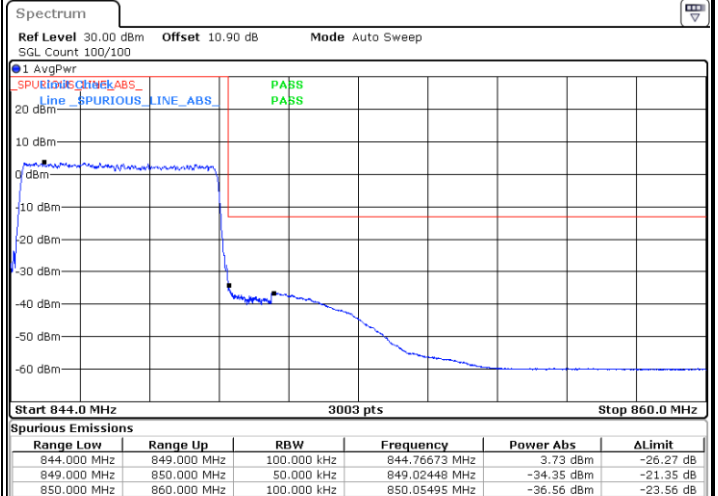
Date: 1.FEB.2021 16:15:46

Lowest Band Edge / Full RB



Date: 1.FEB.2021 16:13:36

Highest Band Edge / Full RB

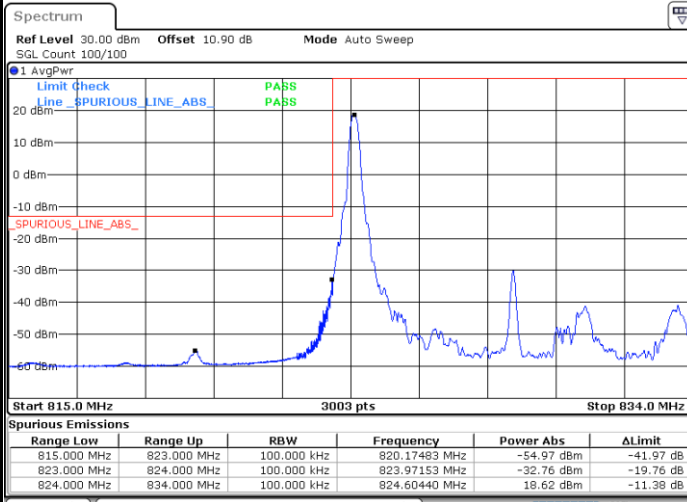


Date: 1.FEB.2021 16:17:29



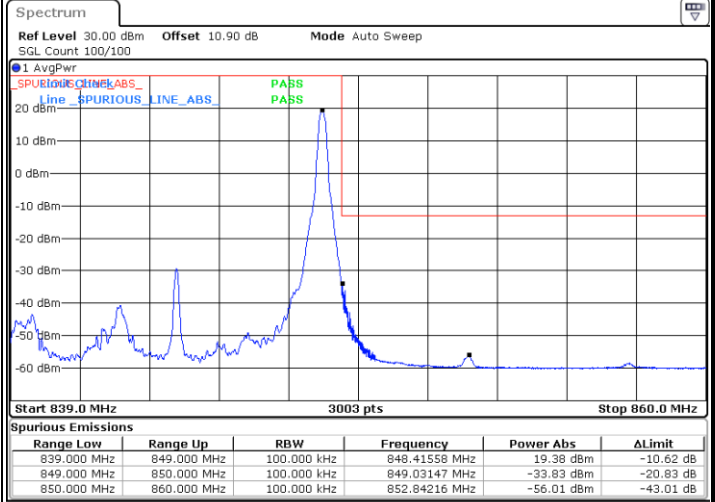
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



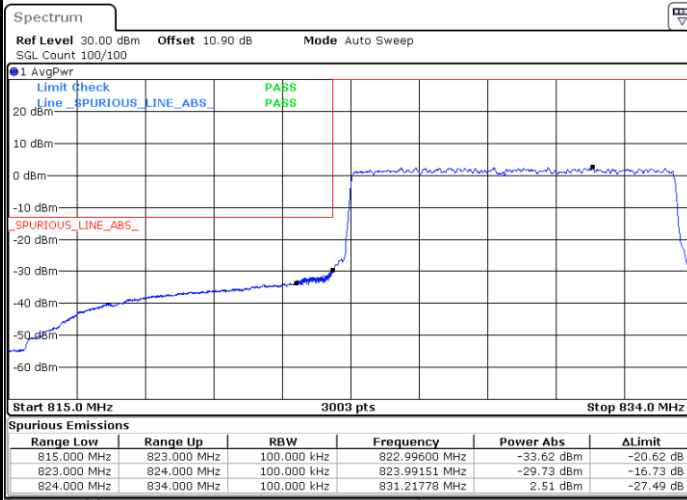
Date: 1.FEB.2021 16:19:12

Highest Band Edge / 1 RB



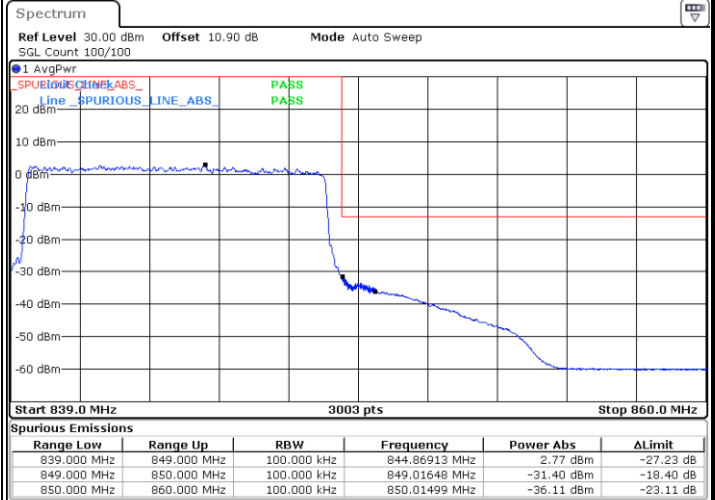
Date: 1.FEB.2021 16:29:02

Lowest Band Edge / Full RB



Date: 1.FEB.2021 16:22:37

Highest Band Edge / Full RB

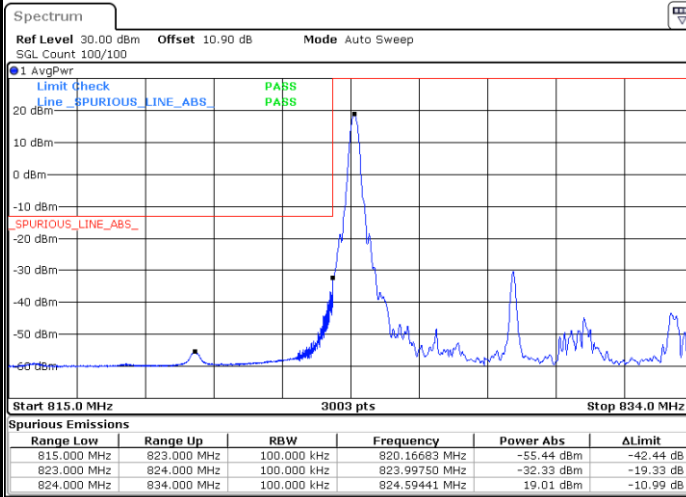


Date: 1.FEB.2021 16:32:27



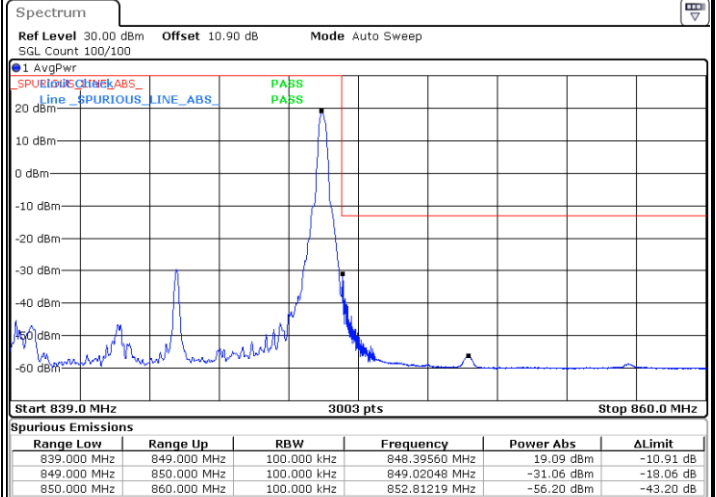
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



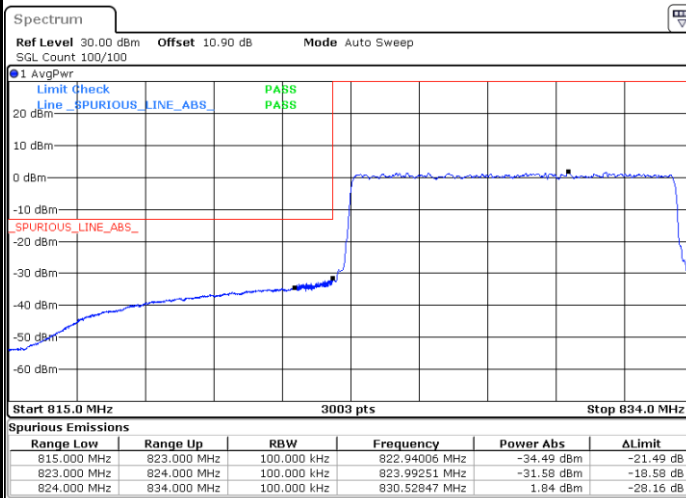
Date: 1.FEB.2021 16:20:54

Highest Band Edge / 1 RB



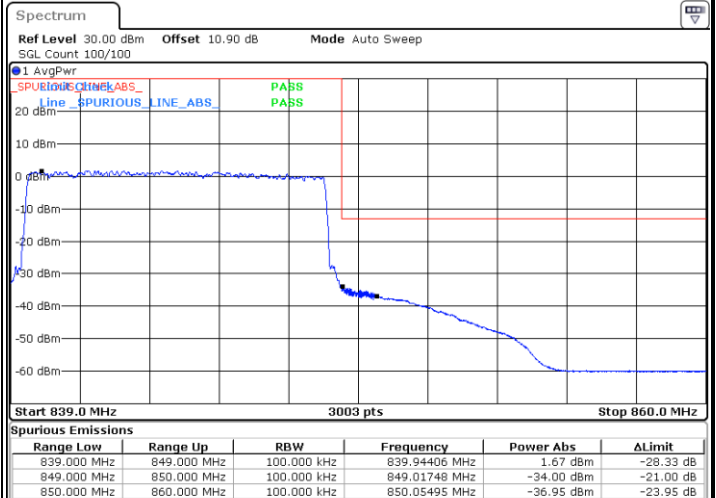
Date: 1.FEB.2021 16:30:45

Lowest Band Edge / Full RB



Date: 1.FEB.2021 16:24:20

Highest Band Edge / Full RB

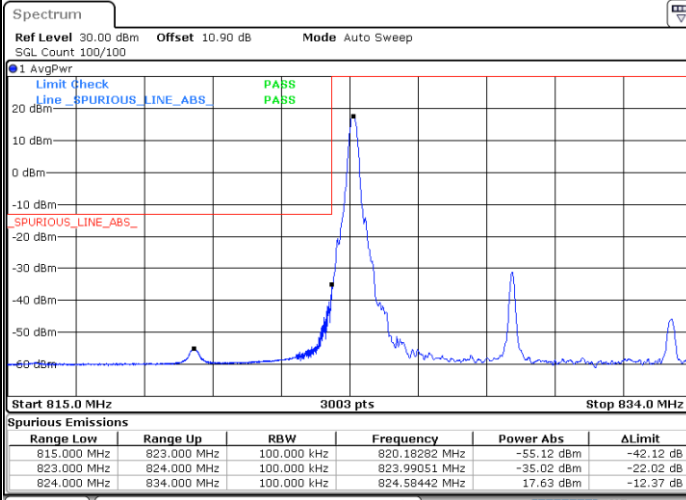


Date: 1.FEB.2021 16:34:10



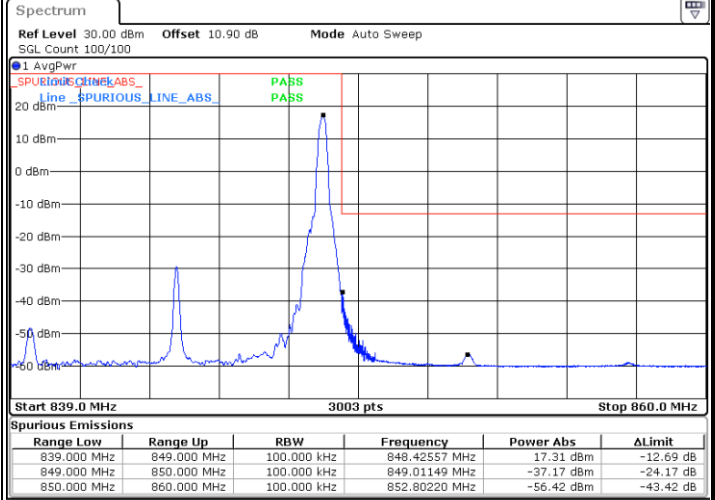
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



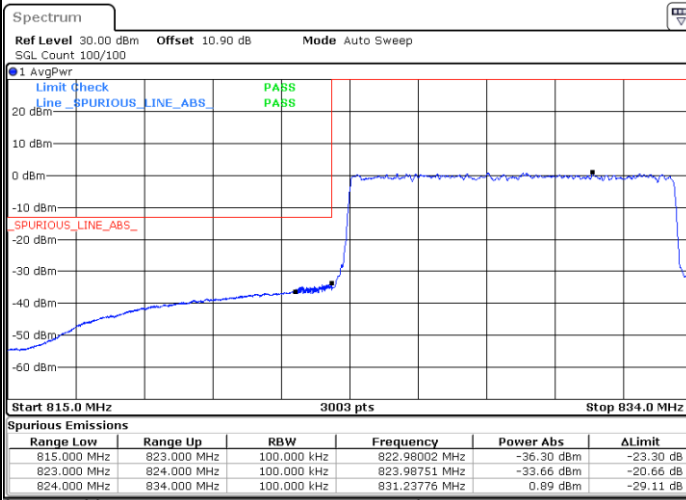
Date: 1.FEB.2021 16:36:55

Highest Band Edge / 1 RB



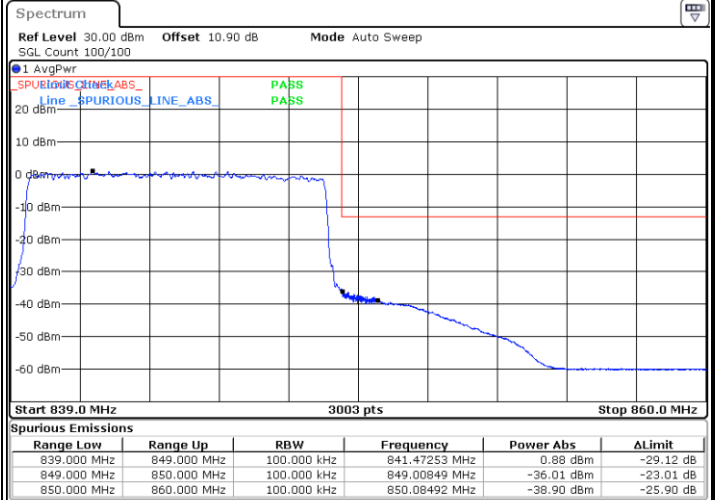
Date: 1.FEB.2021 16:40:48

Lowest Band Edge / Full RB



Date: 1.FEB.2021 16:38:38

Highest Band Edge / Full RB



Date: 1.FEB.2021 16:42:30



# Conducted Spurious Emission

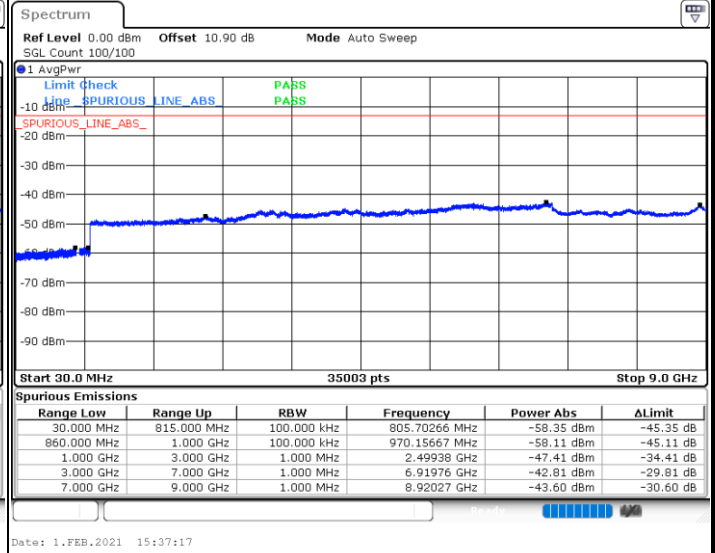
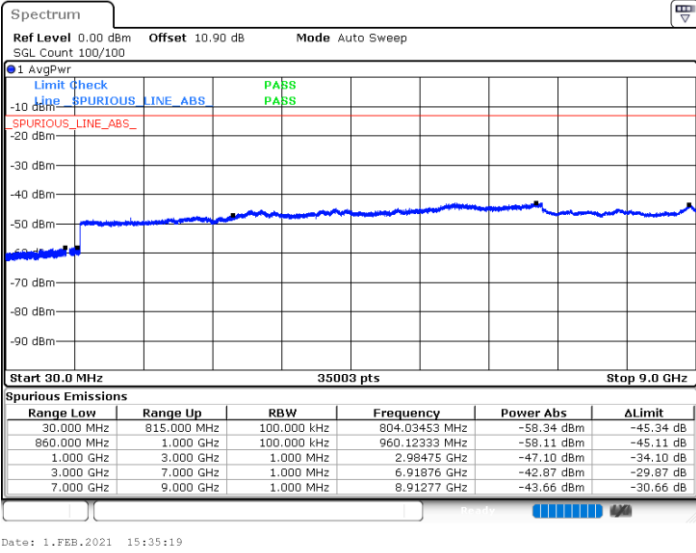




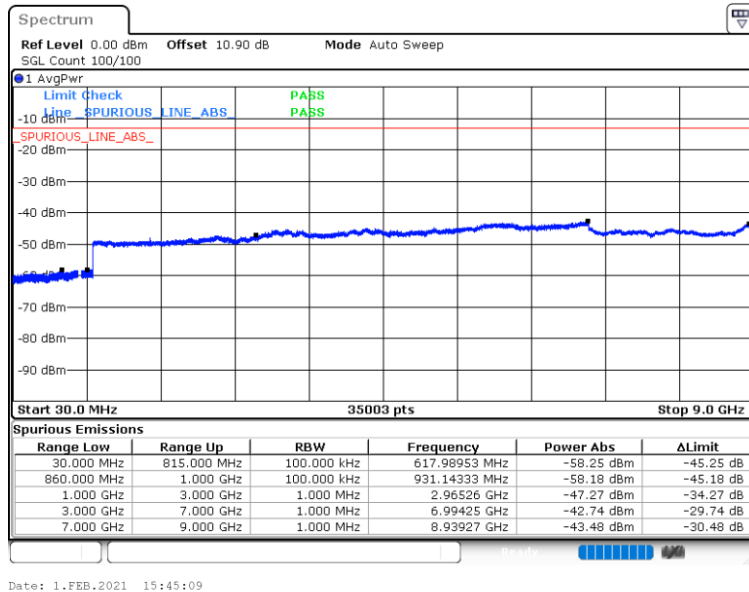
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

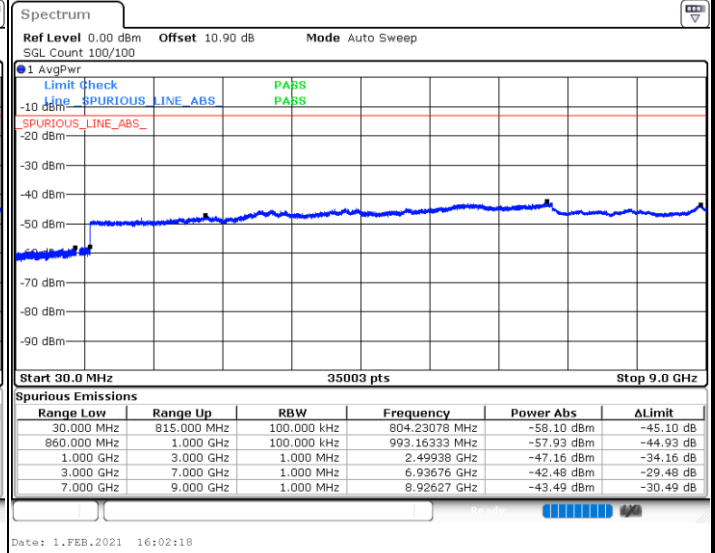
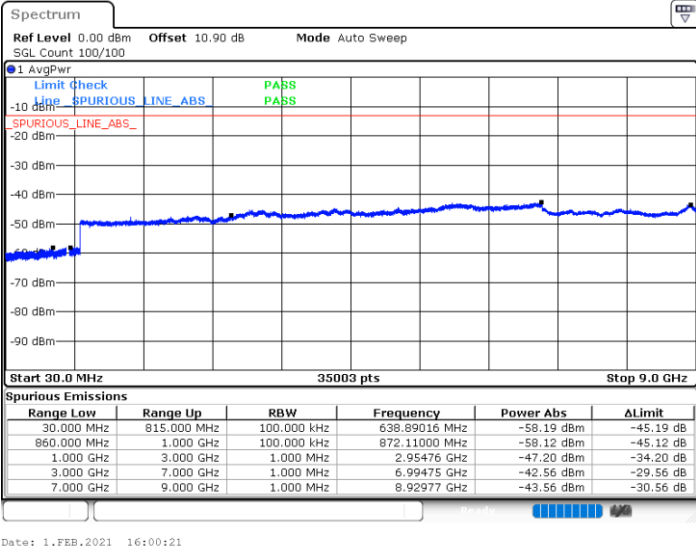




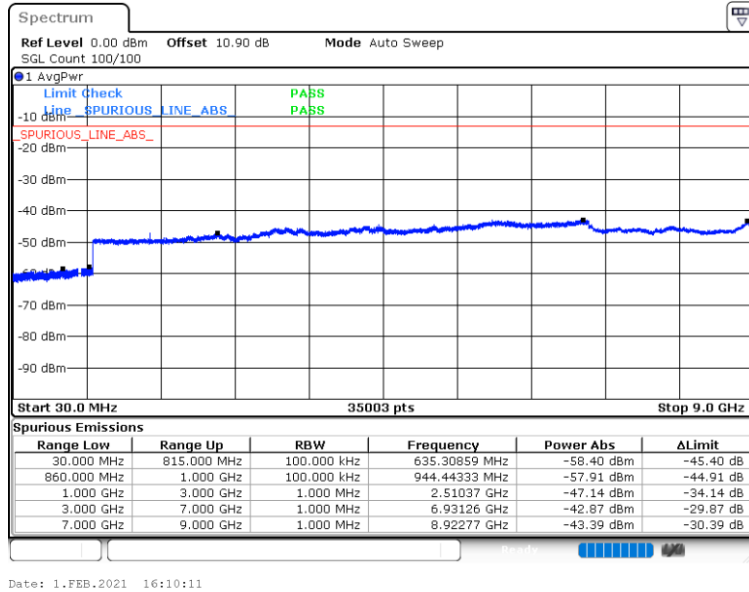
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK



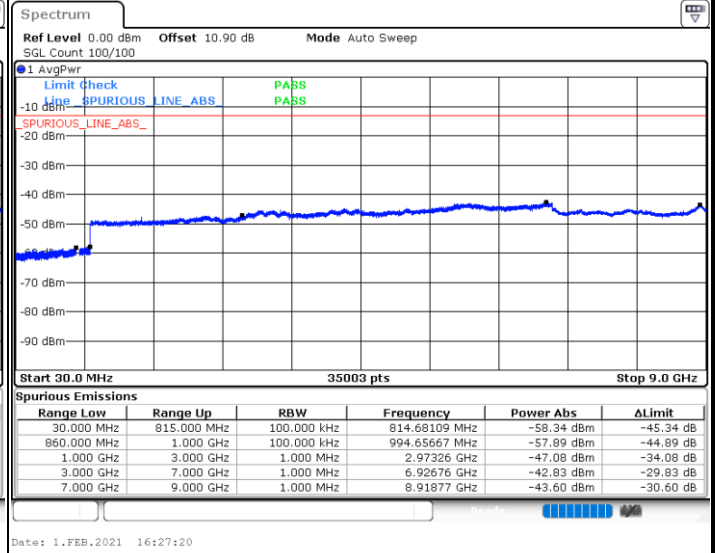
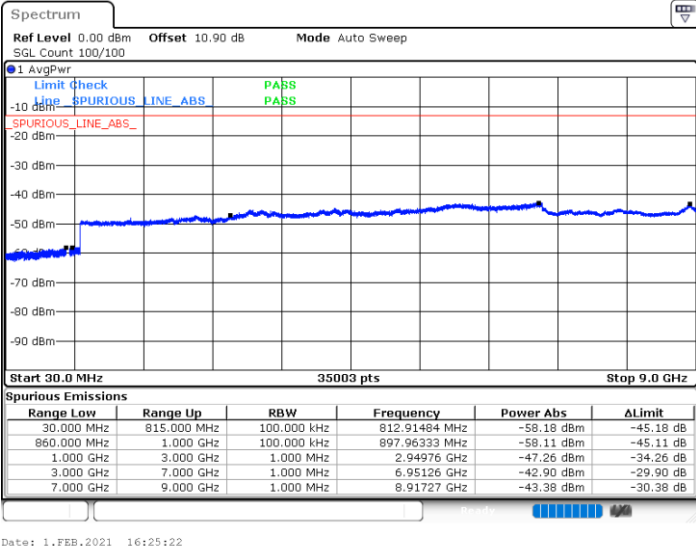




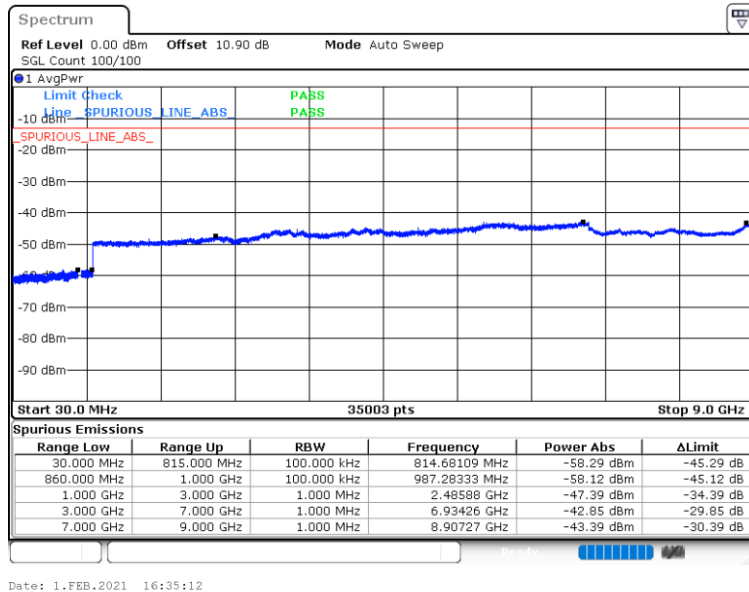
LTE Band 5 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0124	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0041	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0051	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0049	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0065	

**Note:**

- 1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.2 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.

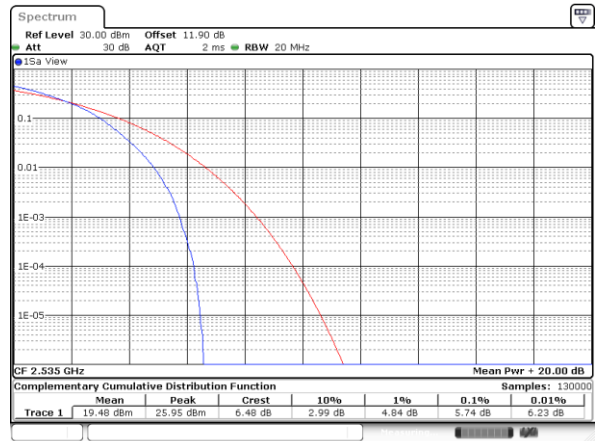
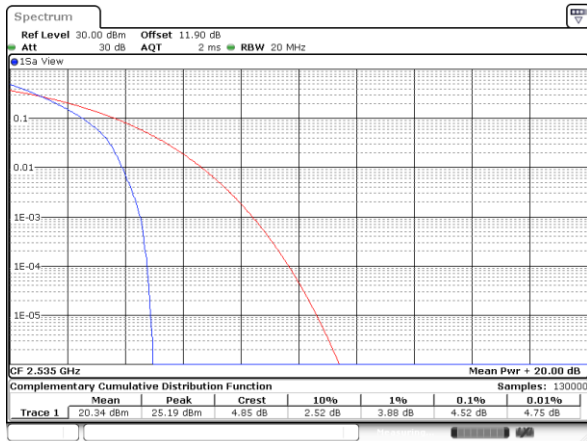


# LTE Band 7

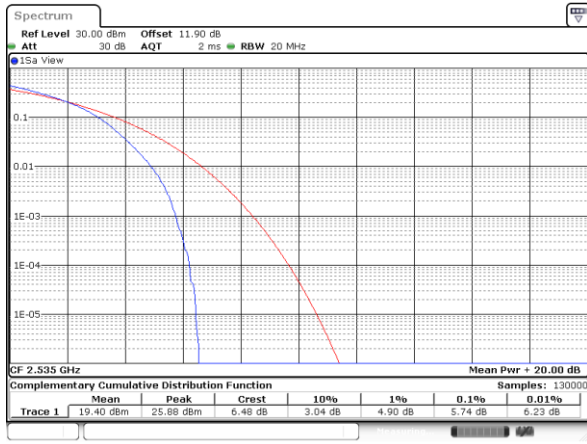
## Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.52	5.74	5.74	PASS

LTE Band 7 / 20MHz / QPSK	LTE Band 7 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB



LTE Band 7 / 20MHz / 64QAM
Middle Channel / Full RB





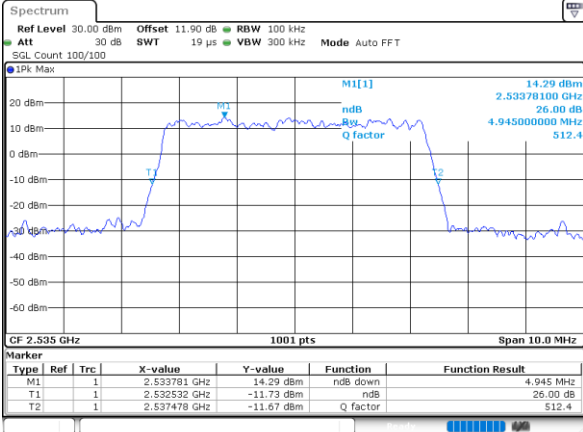
**26dB Bandwidth**

Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.95	4.90	9.71	9.79	14.24	14.48	18.86	18.86
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Middle CH	-	-	-	-	4.89	-	9.73	-	14.45	-	18.86	-



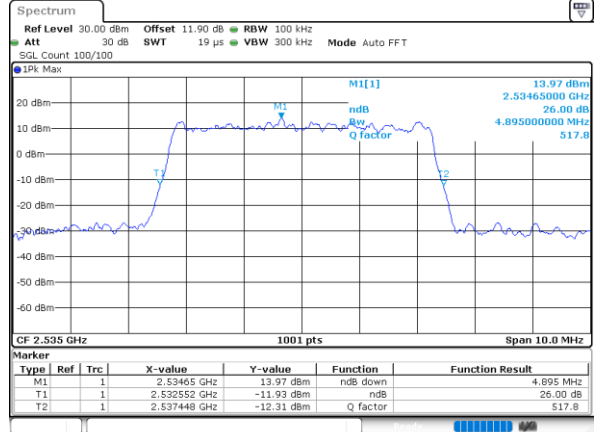
LTE Band 7

Middle Channel / 5MHz / QPSK



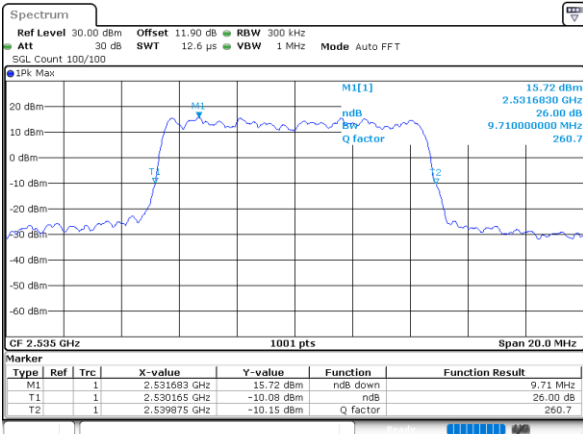
Date: 3.FEB.2021 09:13:10

Middle Channel / 5MHz / 16QAM



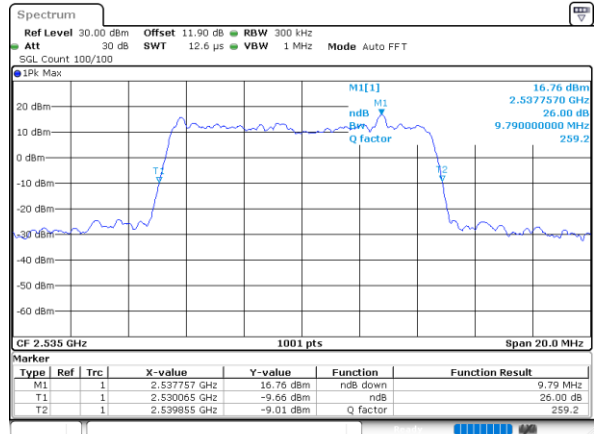
Date: 3.FEB.2021 09:13:44

Middle Channel / 10MHz / QPSK



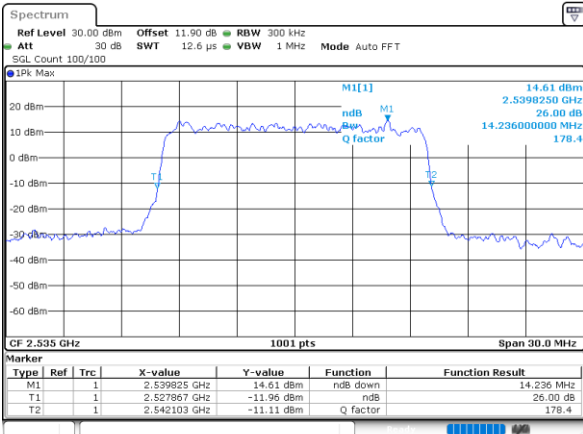
Date: 3.FEB.2021 09:47:30

Middle Channel / 10MHz / 16QAM



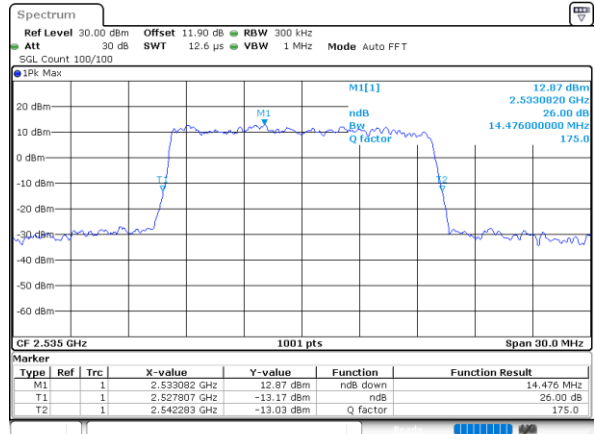
Date: 3.FEB.2021 09:47:44

Middle Channel / 15MHz / QPSK



Date: 3.FEB.2021 09:15:30

Middle Channel / 15MHz / 16QAM

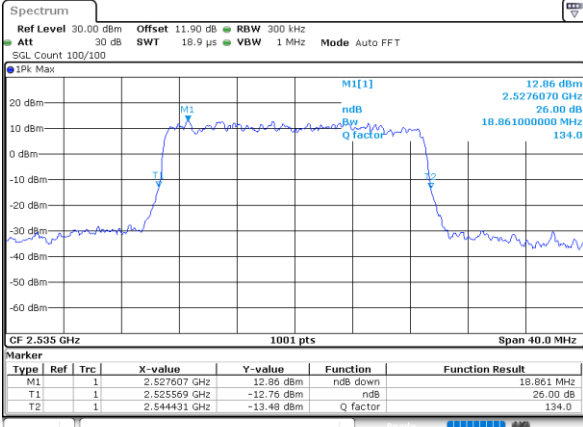


Date: 3.FEB.2021 09:15:44



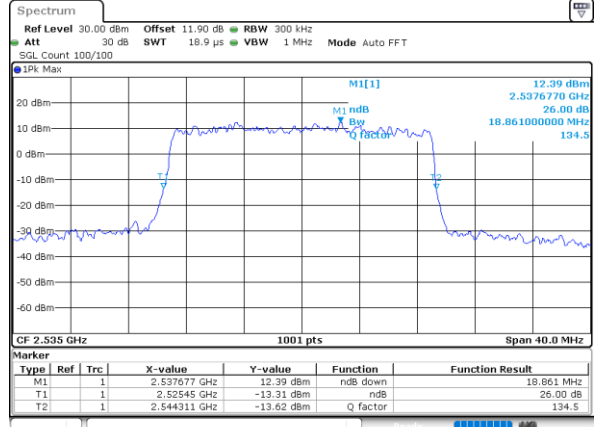
LTE Band 7

Middle Channel / 20MHz / QPSK



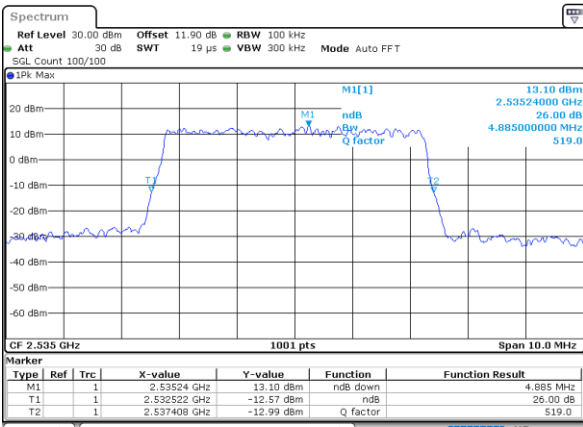
Date: 3.FEB.2021 10:09:31

Middle Channel / 20MHz / 16QAM



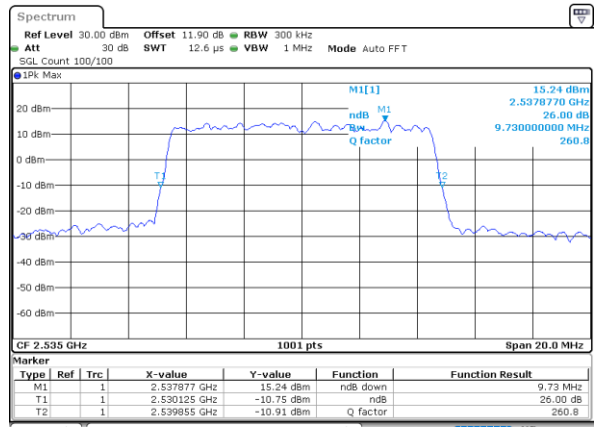
Date: 3.FEB.2021 10:09:45

Middle Channel / 5MHz / 64QAM



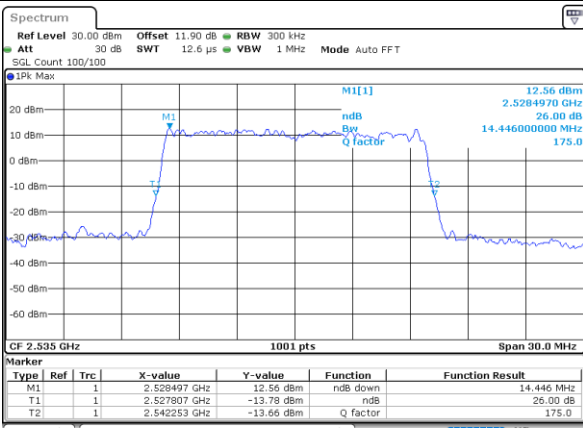
Date: 3.FEB.2021 09:42:31

Middle Channel / 10MHz / 64QAM



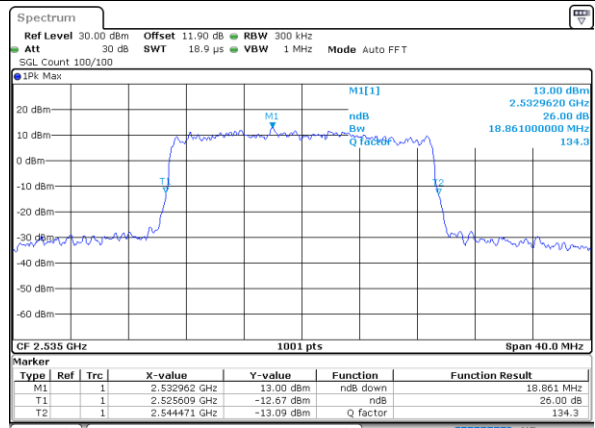
Date: 3.FEB.2021 09:53:30

Middle Channel / 15MHz / 64QAM



Date: 3.FEB.2021 10:04:30

Middle Channel / 20MHz / 64QAM



Date: 3.FEB.2021 10:15:31



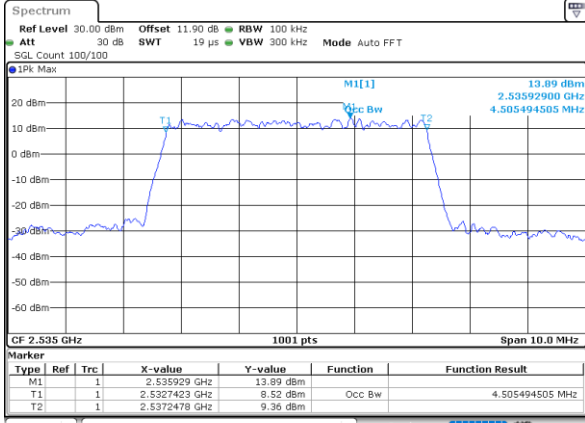
**Occupied Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.51	4.51	9.07	9.01	13.43	13.40	17.82	17.82
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Middle CH	-	-	-	-	4.48	-	9.03	-	13.46	-	17.86	-



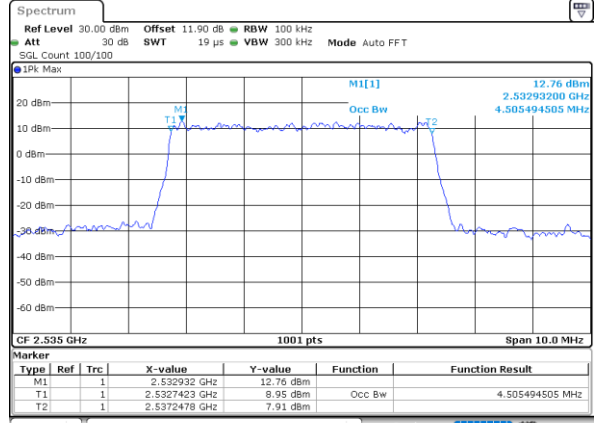
LTE Band 7

Middle Channel / 5MHz / QPSK



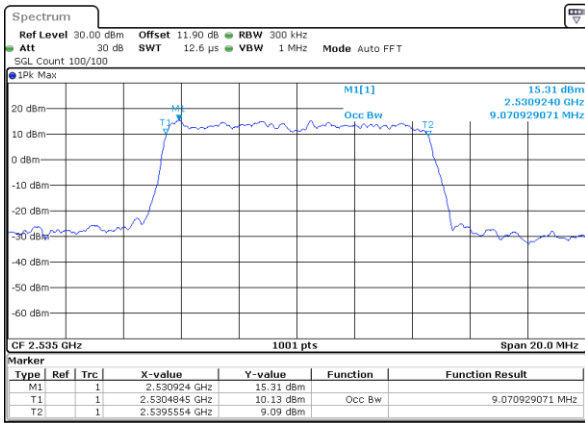
Date: 3.FEB.2021 09:13:02

Middle Channel / 5MHz / 16QAM



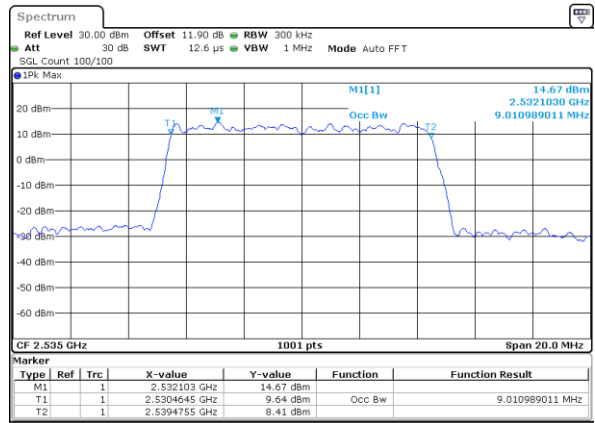
Date: 3.FEB.2021 09:13:16

Middle Channel / 10MHz / QPSK



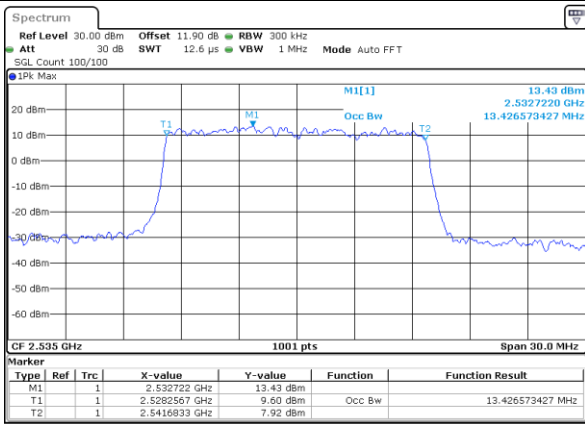
Date: 3.FEB.2021 09:47:02

Middle Channel / 10MHz / 16QAM



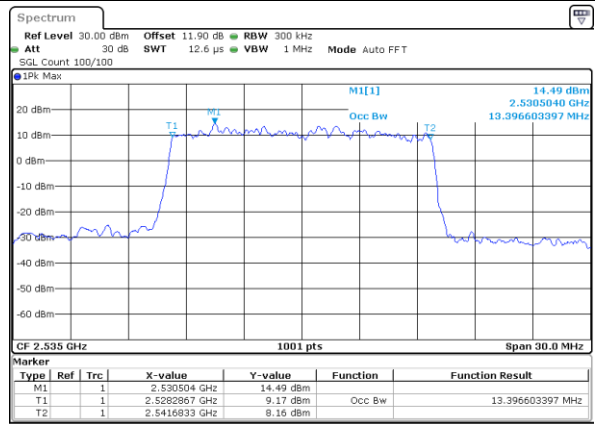
Date: 3.FEB.2021 09:47:16

Middle Channel / 15MHz / QPSK



Date: 3.FEB.2021 09:15:02

Middle Channel / 15MHz / 16QAM



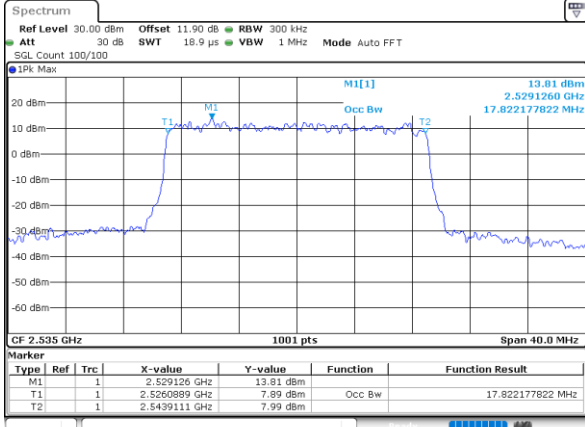
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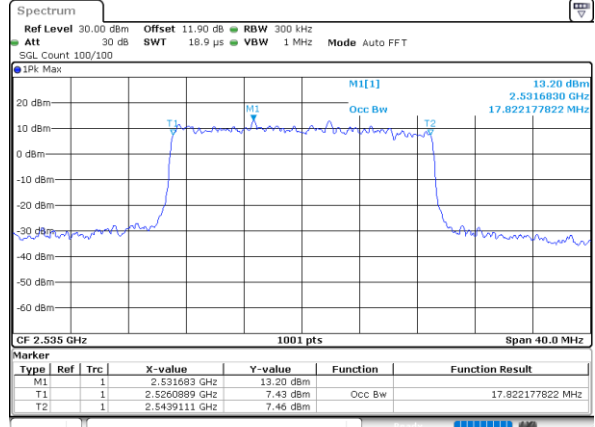
LTE Band 7

Middle Channel / 20MHz / QPSK



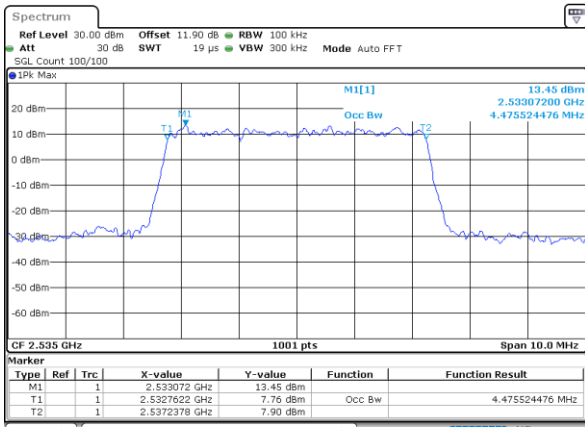
Date: 3.FEB.2021 10:09:03

Middle Channel / 20MHz / 16QAM



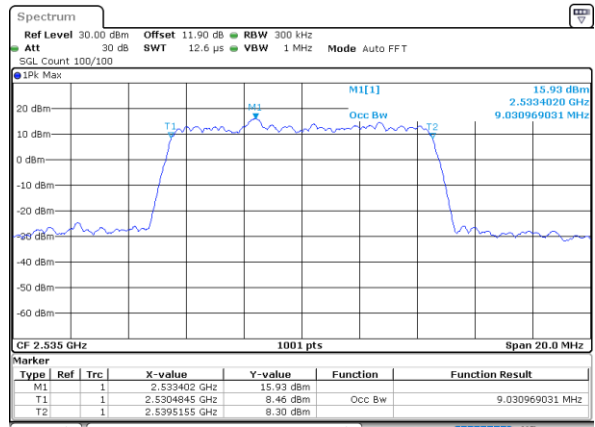
Date: 3.FEB.2021 10:09:17

Middle Channel / 5MHz / 64QAM



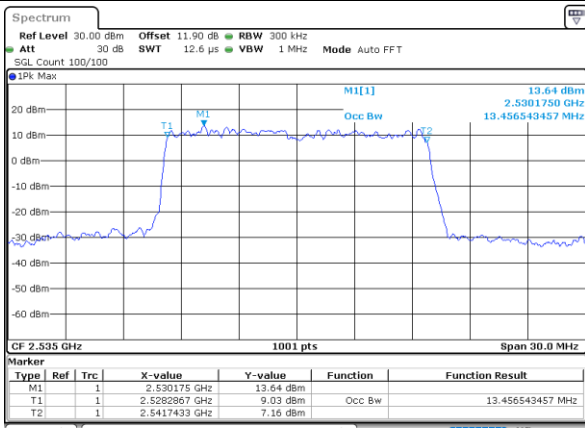
Date: 3.FEB.2021 09:42:17

Middle Channel / 10MHz / 64QAM



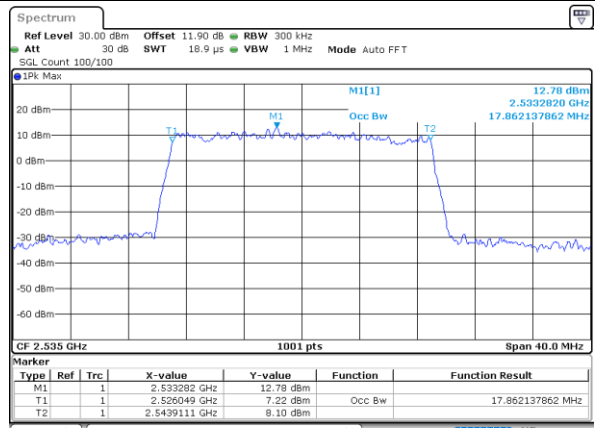
Date: 3.FEB.2021 09:53:16

Middle Channel / 15MHz / 64QAM



Date: 3.FEB.2021 10:04:17

Middle Channel / 20MHz / 64QAM



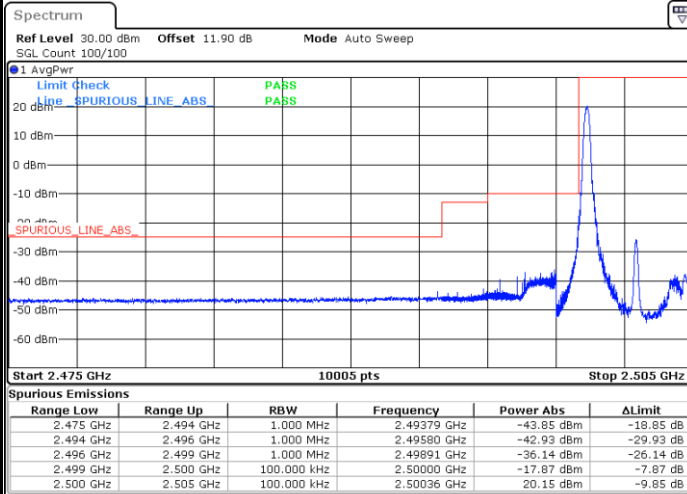
Date: 3.FEB.2021 10:15:17



# Conducted Band Edge

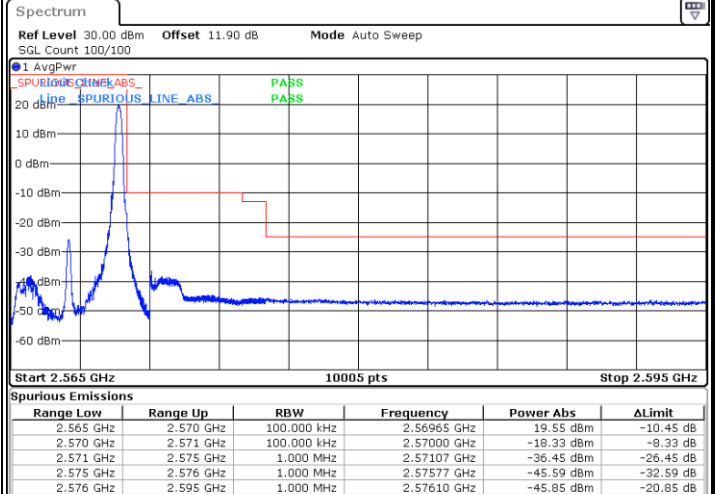
## LTE Band 7 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



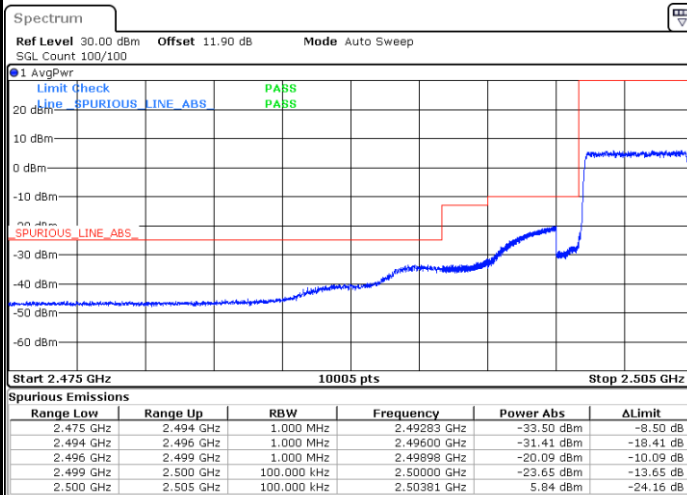
Date: 3.FEB.2021 09:33:08

### Highest Band Edge / 1 RB



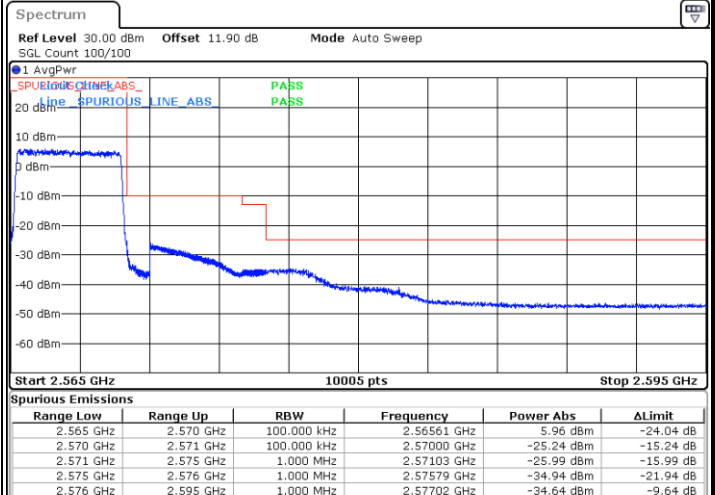
Date: 3.FEB.2021 09:38:18

### Lowest Band Edge / Full RB



Date: 3.FEB.2021 09:34:14

### Highest Band Edge / Full RB

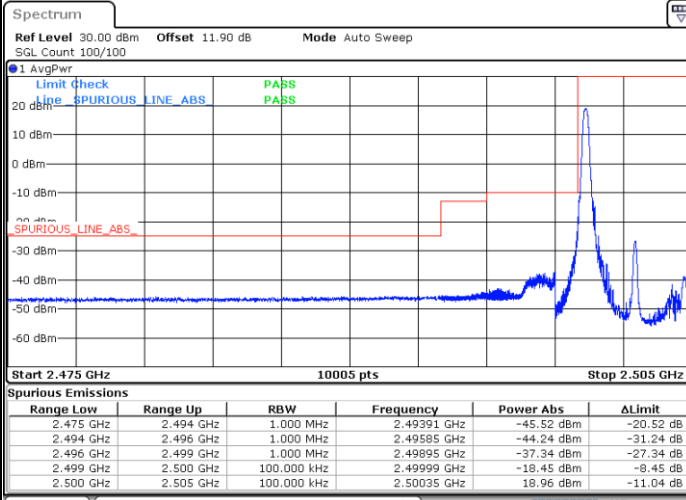


Date: 3.FEB.2021 09:39:23



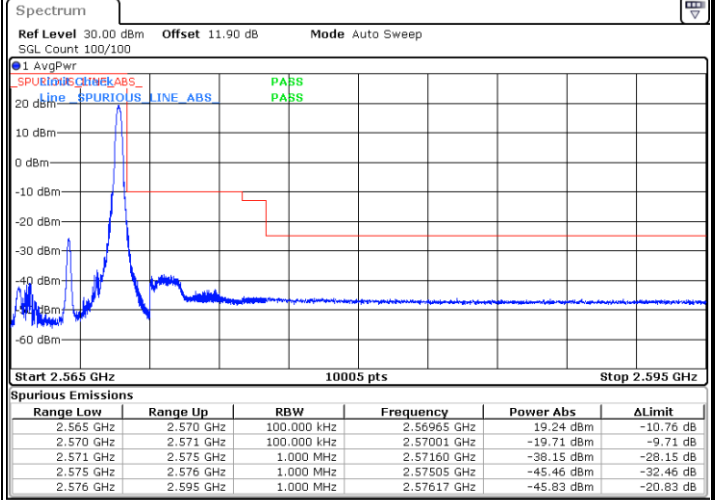
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



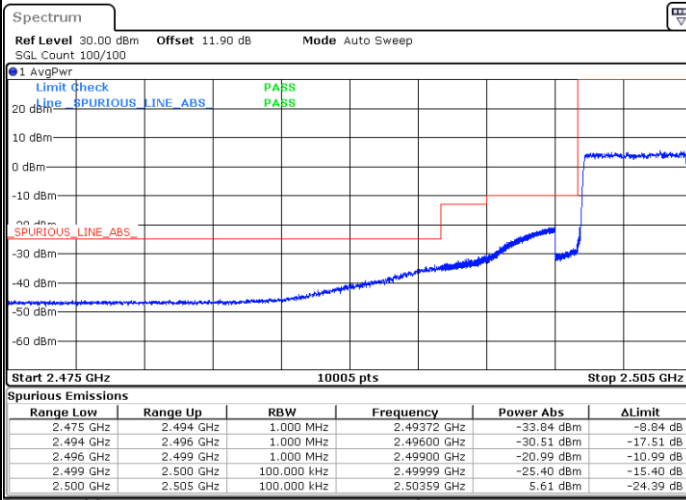
Date: 3.FEB.2021 09:33:41

Highest Band Edge / 1 RB



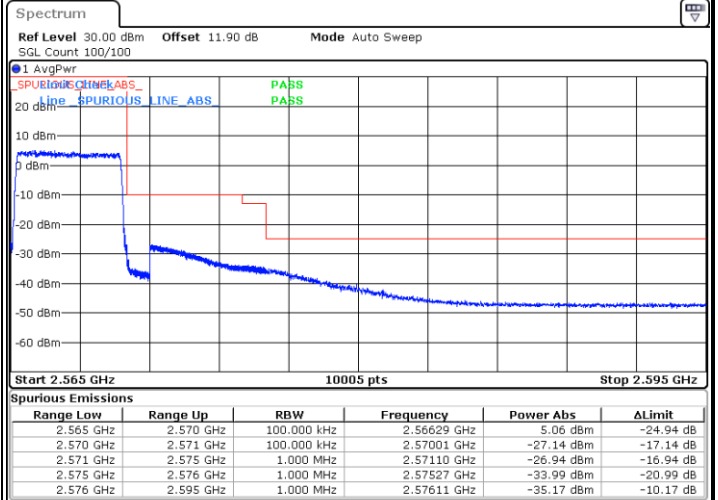
Date: 3.FEB.2021 09:38:51

Lowest Band Edge / Full RB



Date: 3.FEB.2021 09:34:46

Highest Band Edge / Full RB

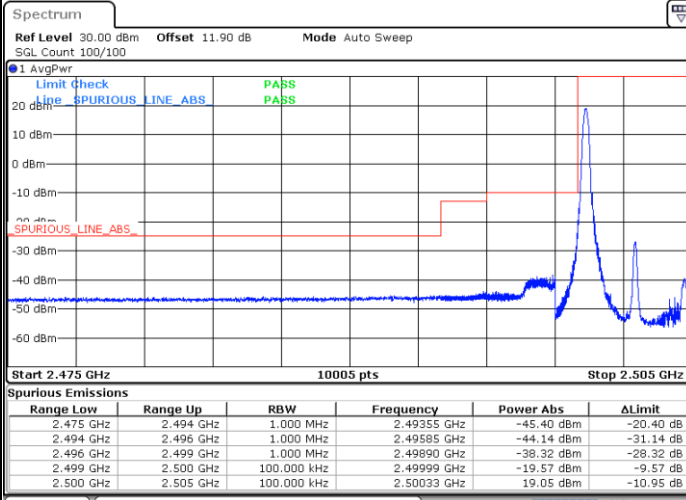


Date: 3.FEB.2021 09:39:55



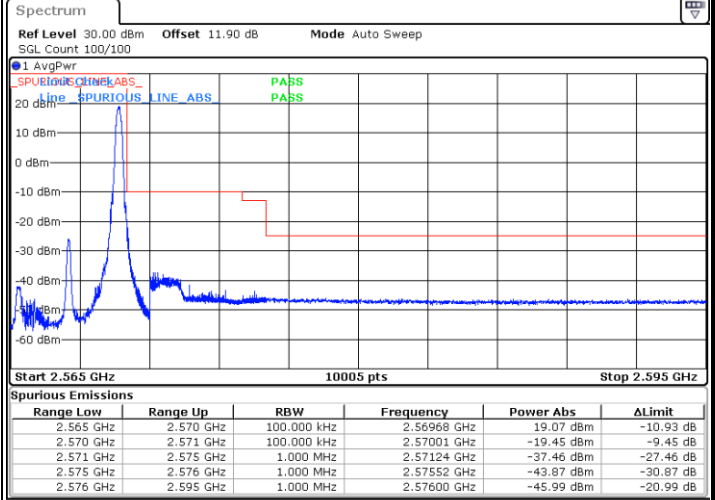
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



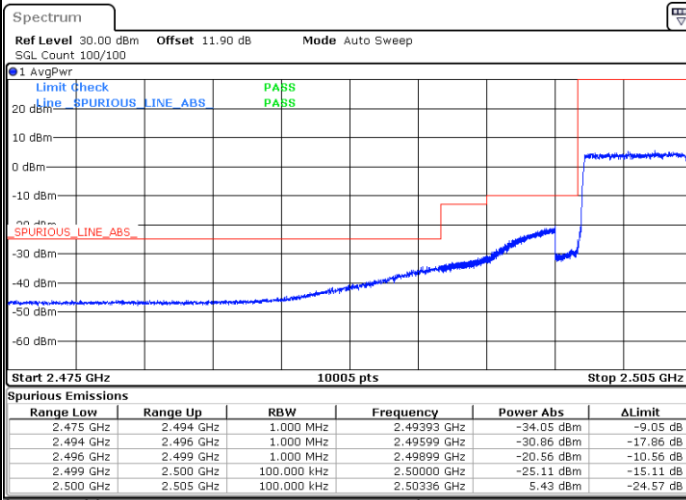
Date: 3.FEB.2021 09:41:30

Highest Band Edge / 1 RB



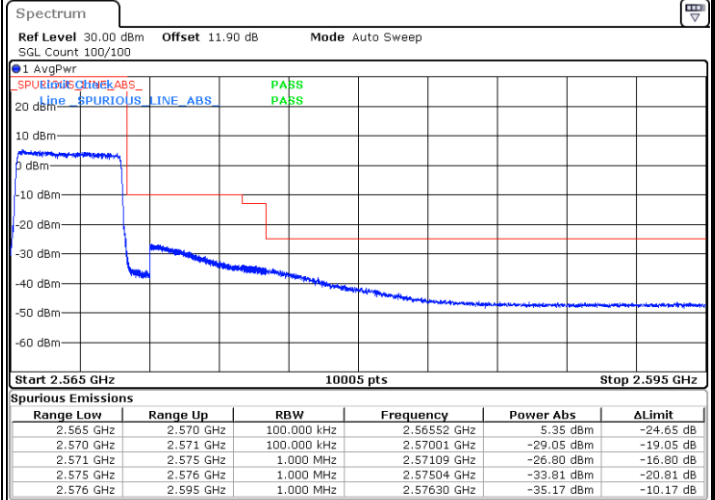
Date: 3.FEB.2021 09:43:03

Lowest Band Edge / Full RB



Date: 3.FEB.2021 09:42:03

Highest Band Edge / Full RB

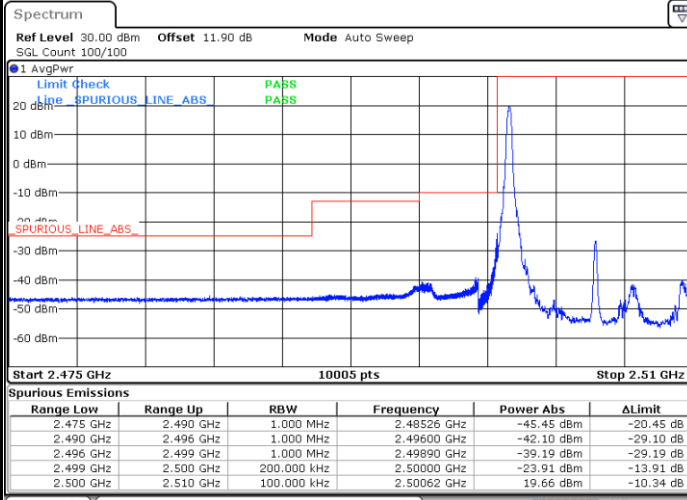


Date: 3.FEB.2021 09:43:36



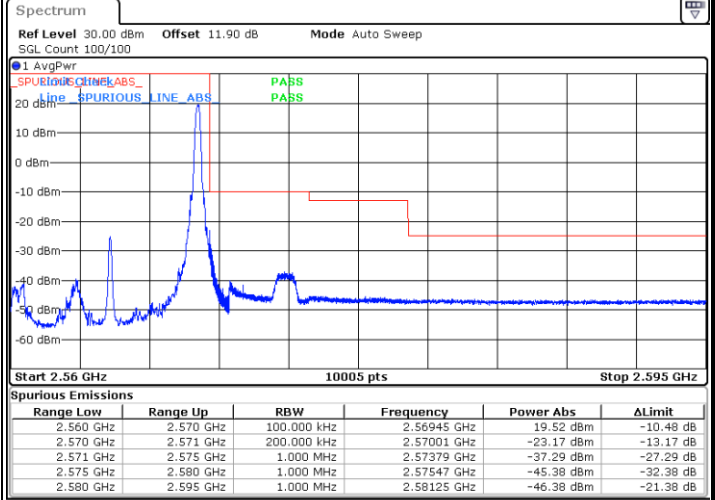
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



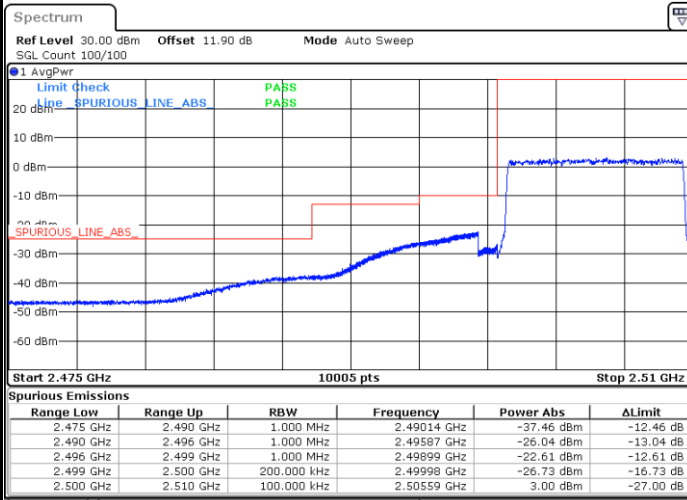
Date: 3.FEB.2021 09:44:09

Highest Band Edge / 1 RB



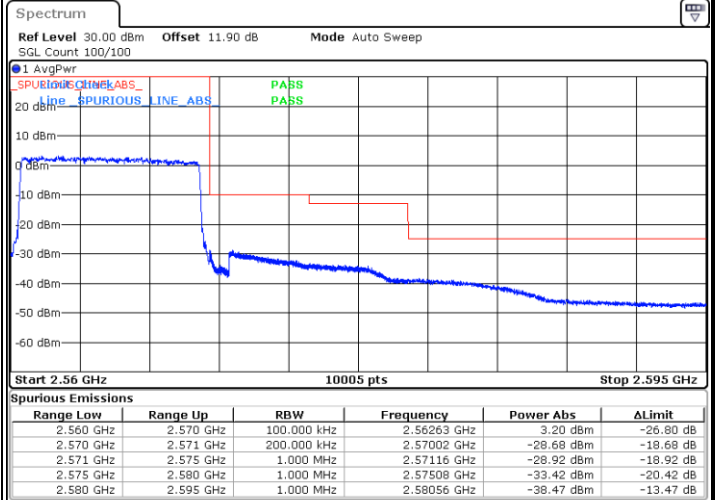
Date: 3.FEB.2021 09:49:18

Lowest Band Edge / Full RB



Date: 3.FEB.2021 09:45:14

Highest Band Edge / Full RB

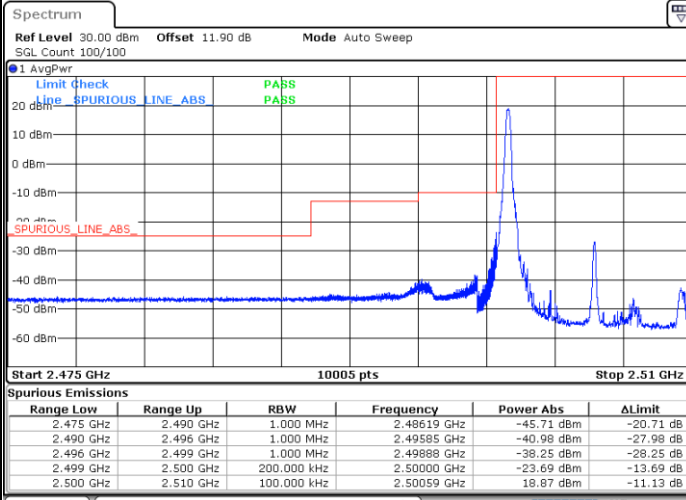


Date: 3.FEB.2021 09:50:23



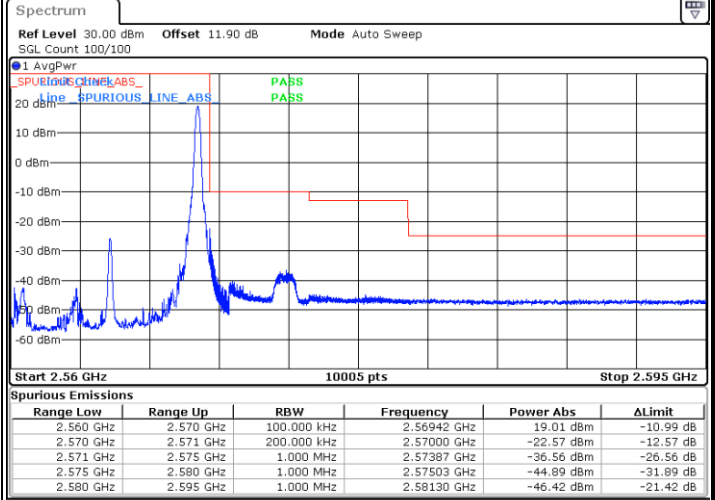
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



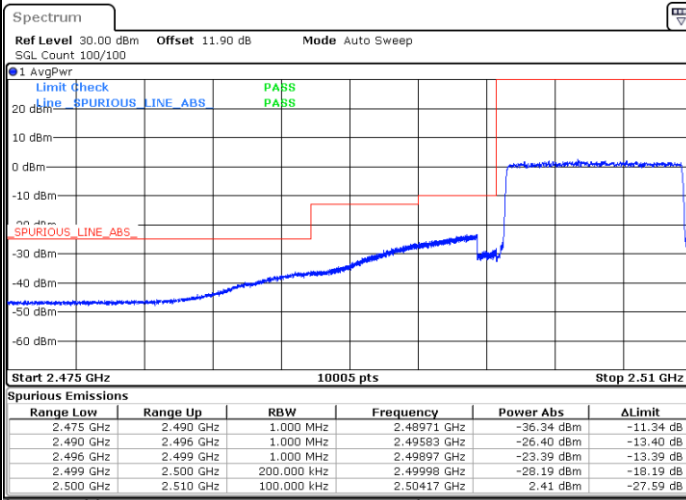
Date: 3.FEB.2021 09:44:41

Highest Band Edge / 1 RB



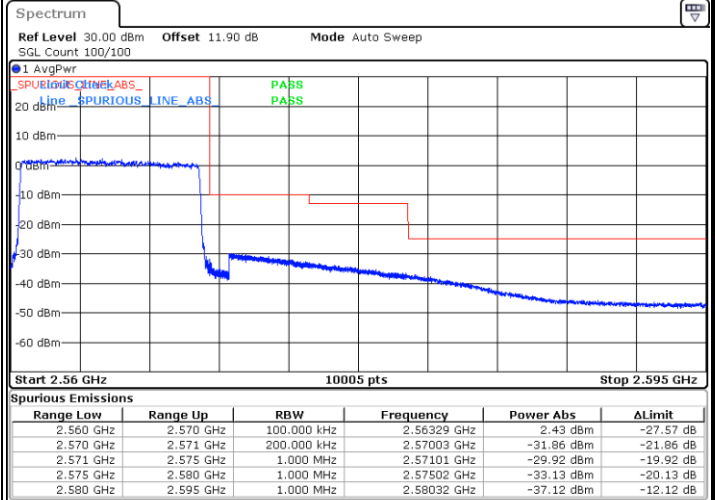
Date: 3.FEB.2021 09:49:50

Lowest Band Edge / Full RB



Date: 3.FEB.2021 09:45:46

Highest Band Edge / Full RB

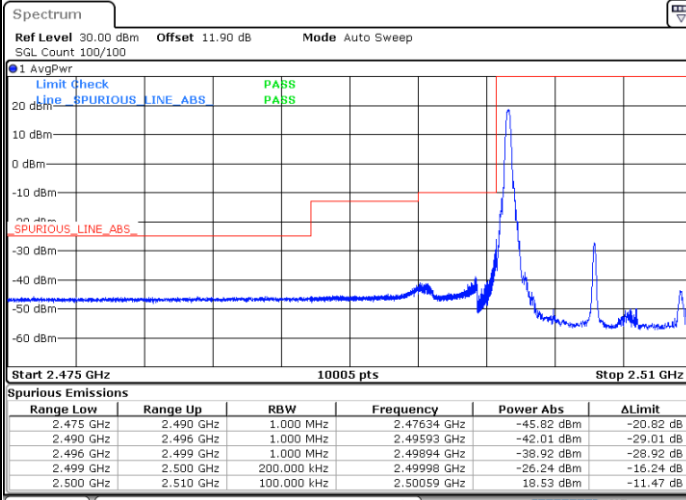


Date: 3.FEB.2021 09:50:55



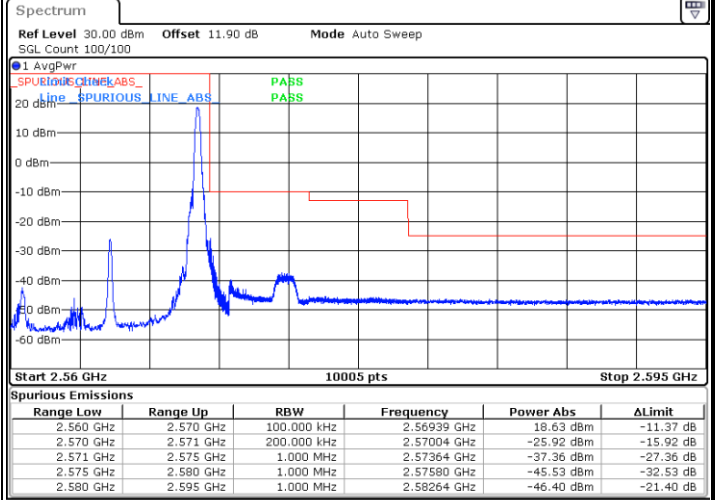
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



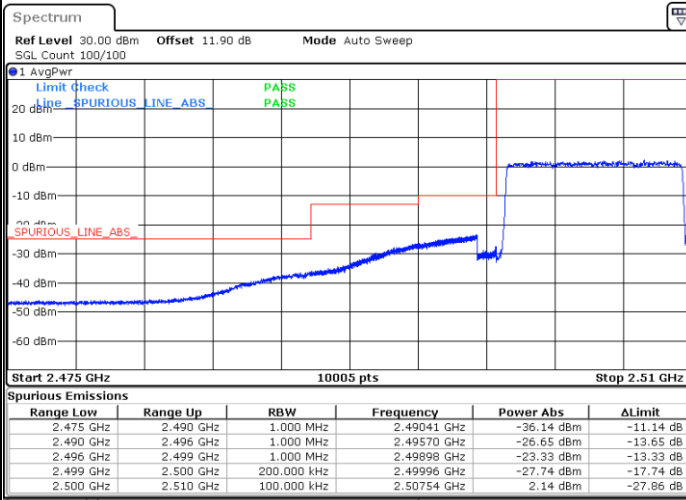
Date: 3.FEB.2021 09:52:30

Highest Band Edge / 1 RB



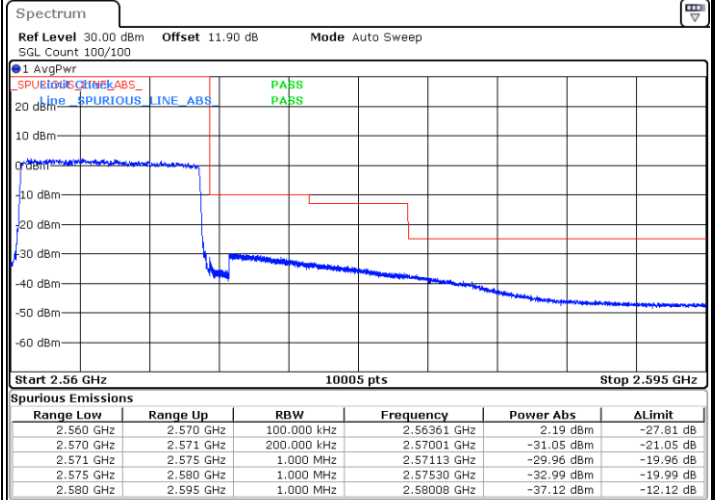
Date: 3.FEB.2021 09:54:02

Lowest Band Edge / Full RB



Date: 3.FEB.2021 09:53:02

Highest Band Edge / Full RB

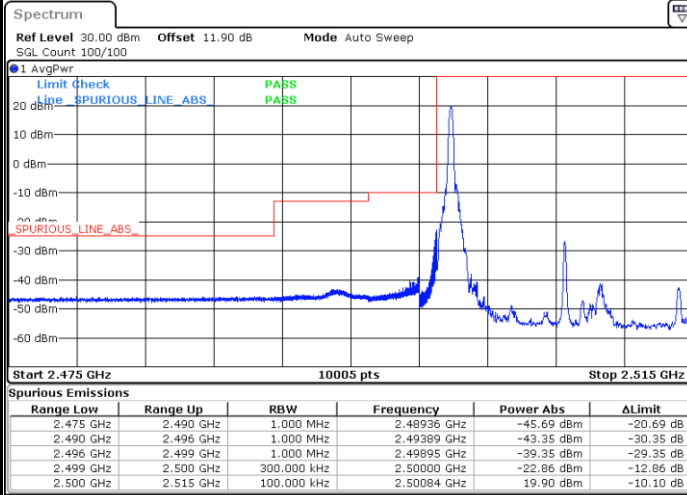


Date: 3.FEB.2021 09:54:35



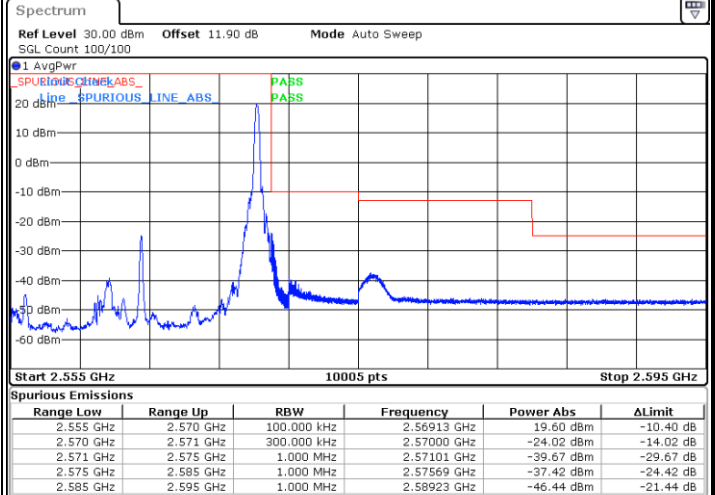
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



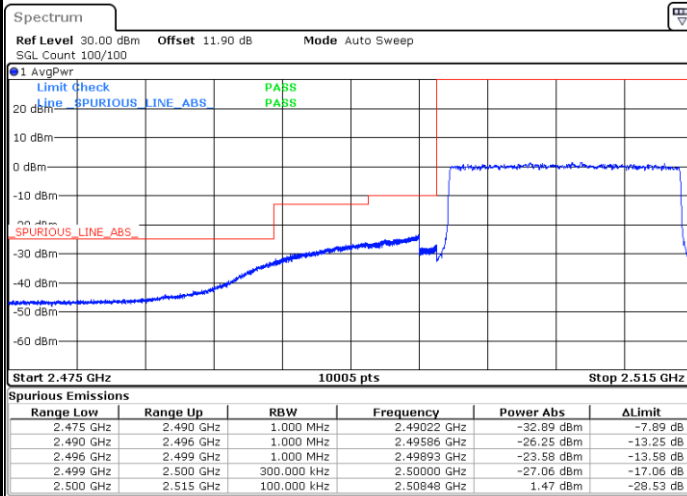
Date: 3.FEB.2021 09:55:08

Highest Band Edge / 1 RB



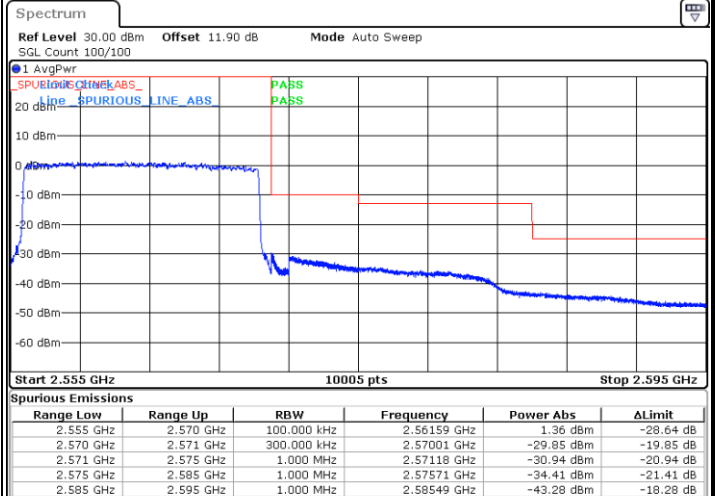
Date: 3.FEB.2021 10:00:18

Lowest Band Edge / Full RB



Date: 3.FEB.2021 09:56:13

Highest Band Edge / Full RB



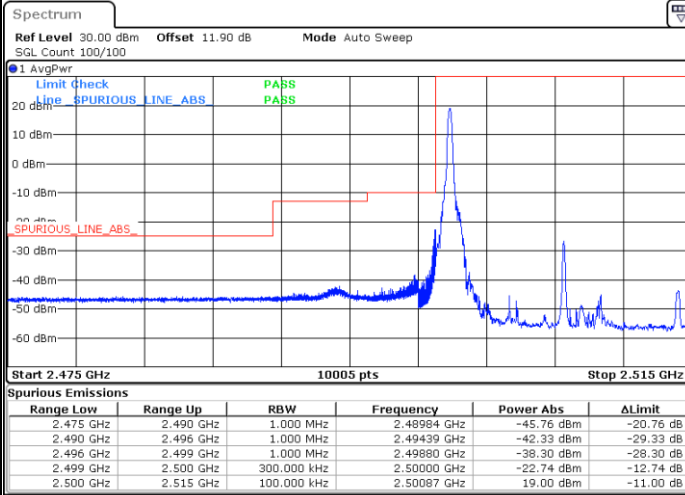
Date: 3.FEB.2021 10:01:23





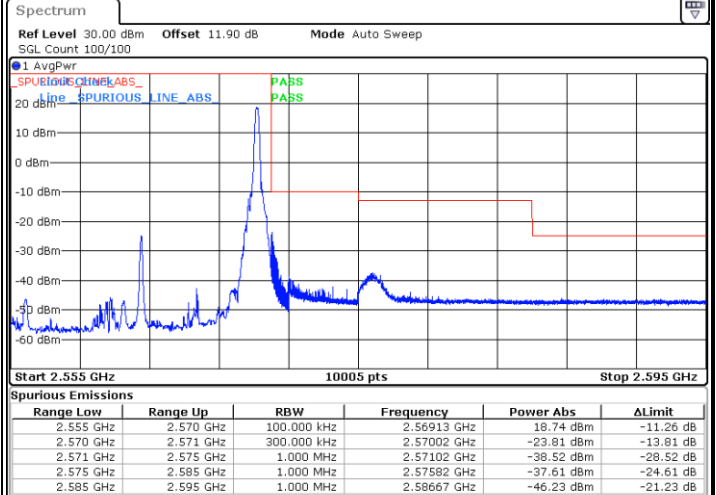
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



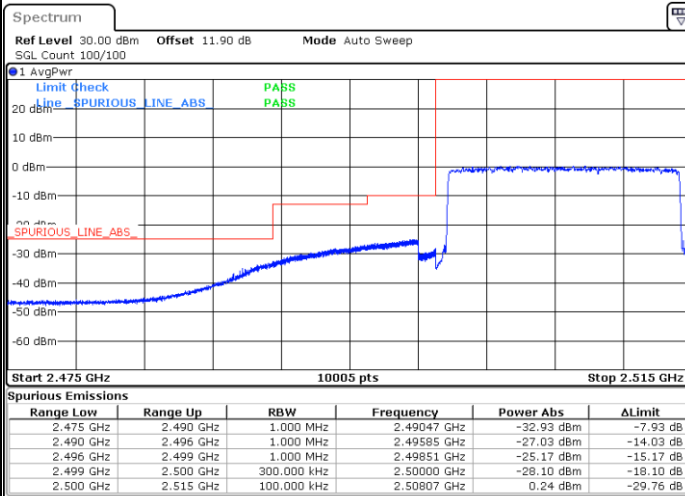
Date: 3.FEB.2021 09:55:41

Highest Band Edge / 1 RB



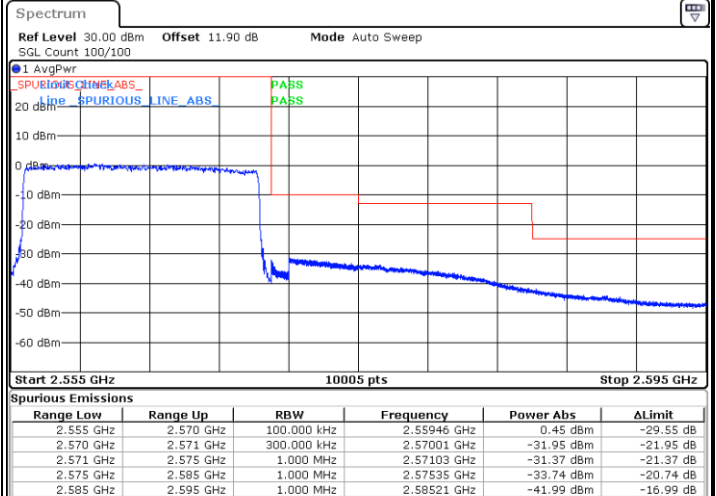
Date: 3.FEB.2021 10:00:50

Lowest Band Edge / Full RB



Date: 3.FEB.2021 09:56:46

Highest Band Edge / Full RB

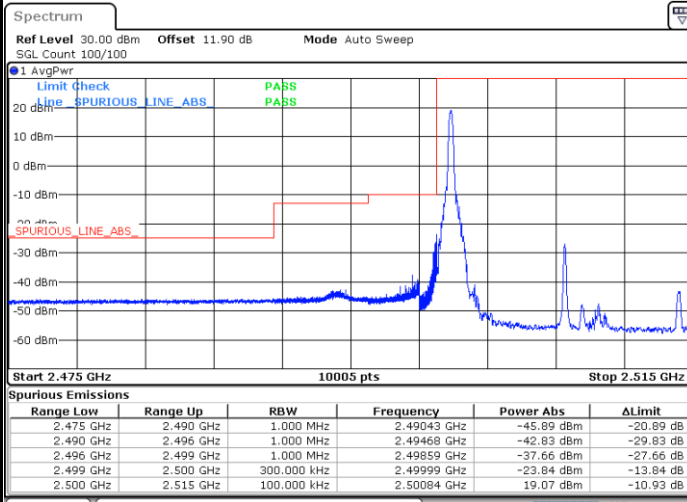


Date: 3.FEB.2021 10:01:55



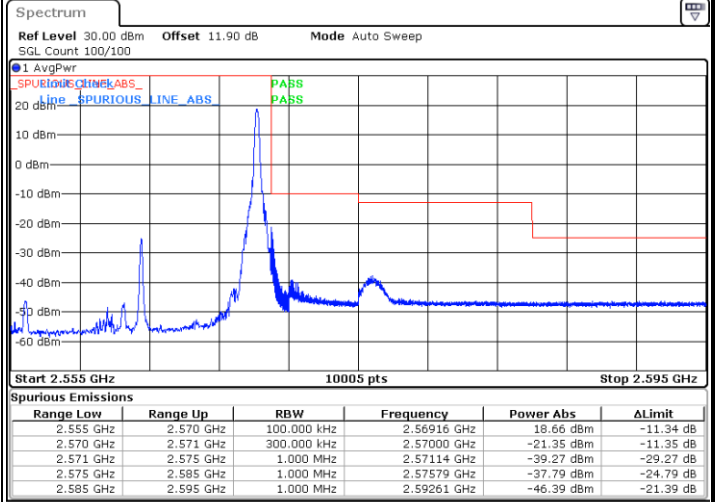
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



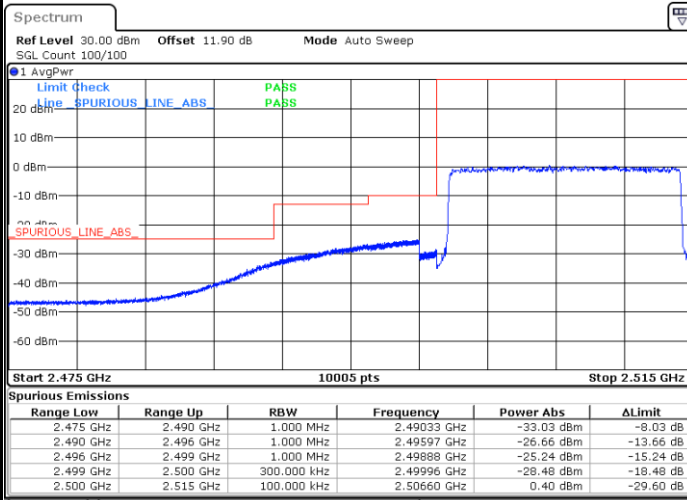
Date: 3.FEB.2021 10:03:30

Highest Band Edge / 1 RB



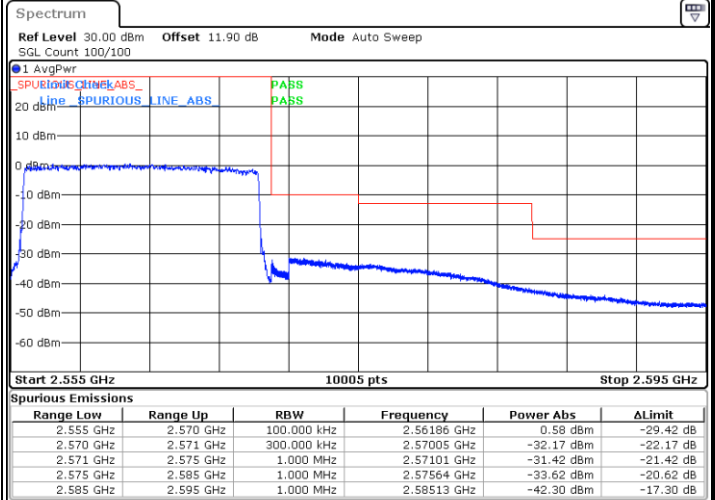
Date: 3.FEB.2021 10:05:03

Lowest Band Edge / Full RB



Date: 3.FEB.2021 10:04:03

Highest Band Edge / Full RB

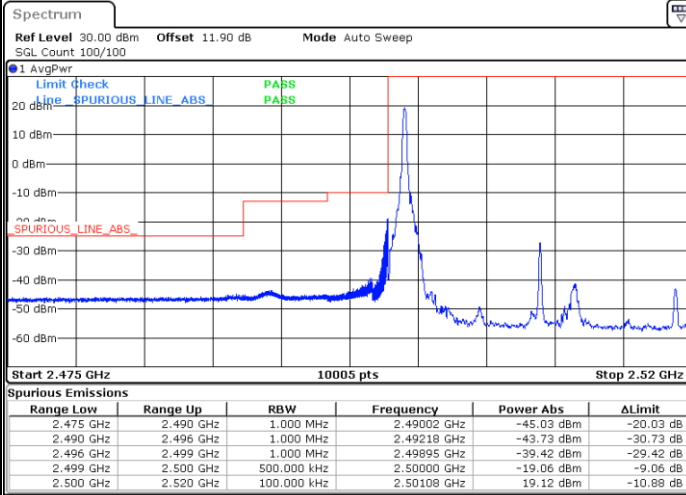


Date: 3.FEB.2021 10:05:35



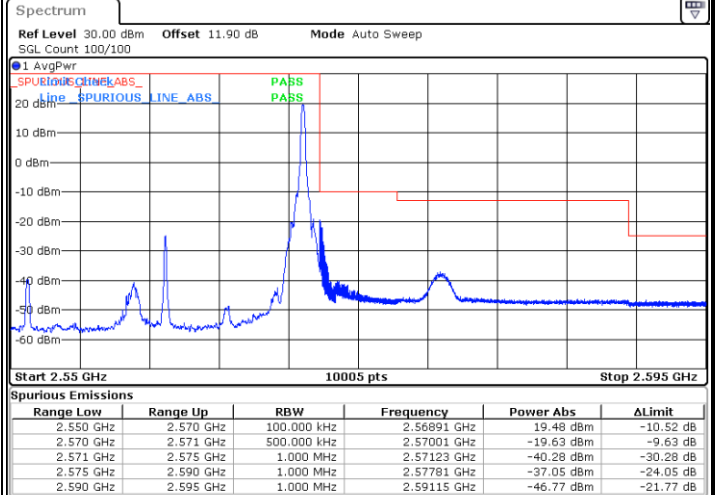
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



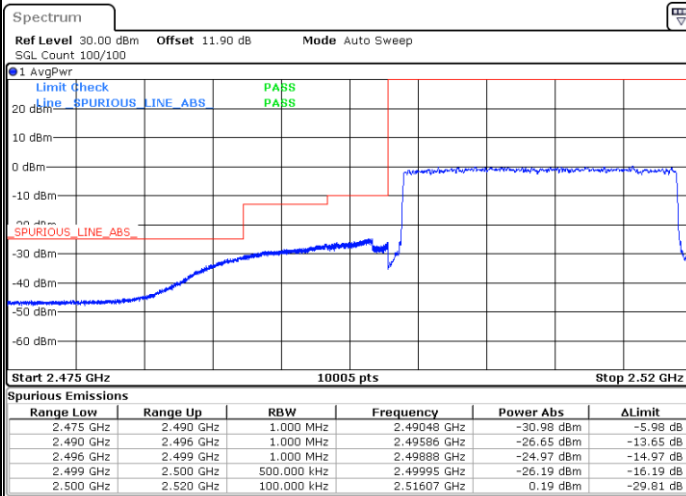
Date: 3.FEB.2021 10:06:09

Highest Band Edge / 1 RB



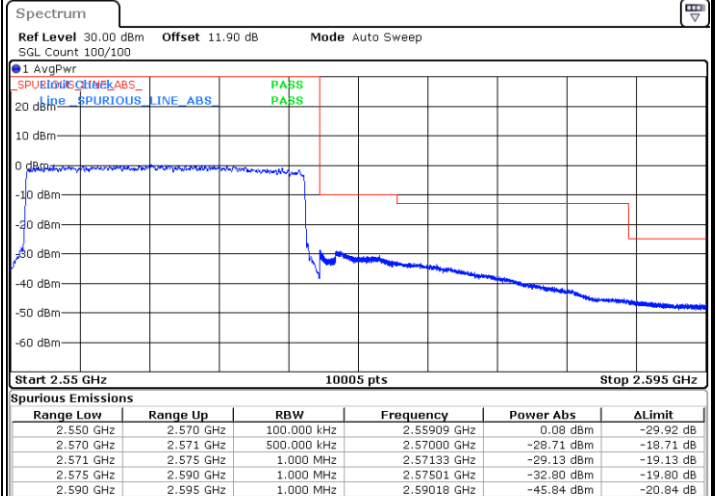
Date: 3.FEB.2021 10:11:18

Lowest Band Edge / Full RB



Date: 3.FEB.2021 10:07:15

Highest Band Edge / Full RB

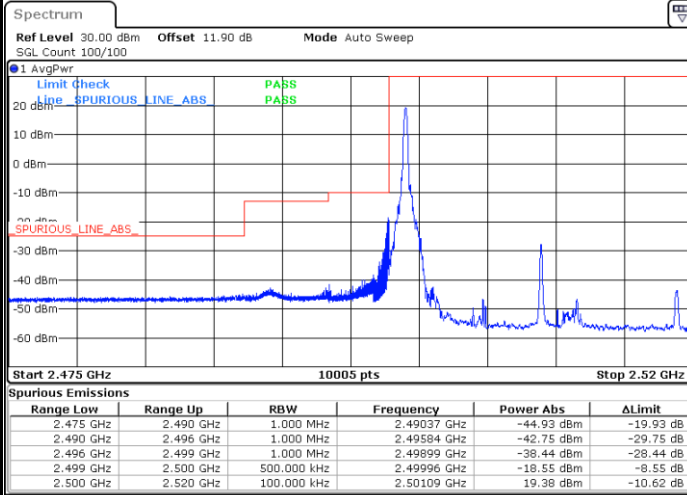


Date: 3.FEB.2021 10:12:56



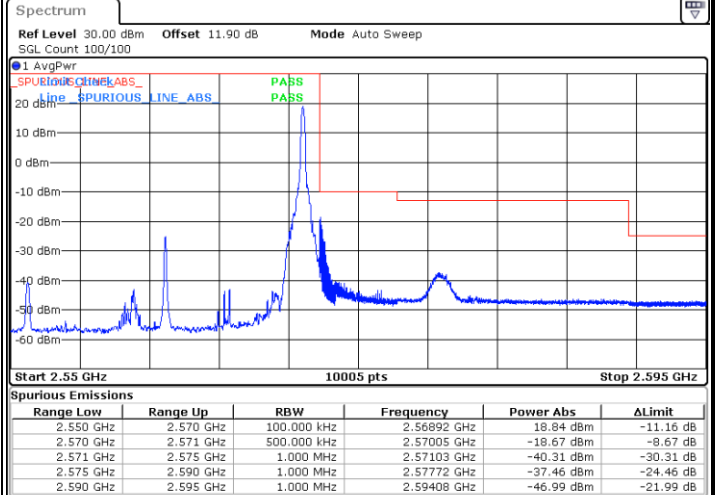
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



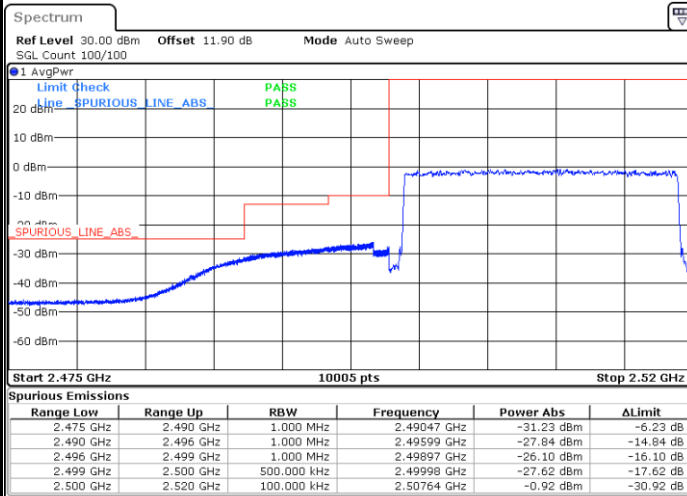
Date: 3.FEB.2021 10:06:42

Highest Band Edge / 1 RB



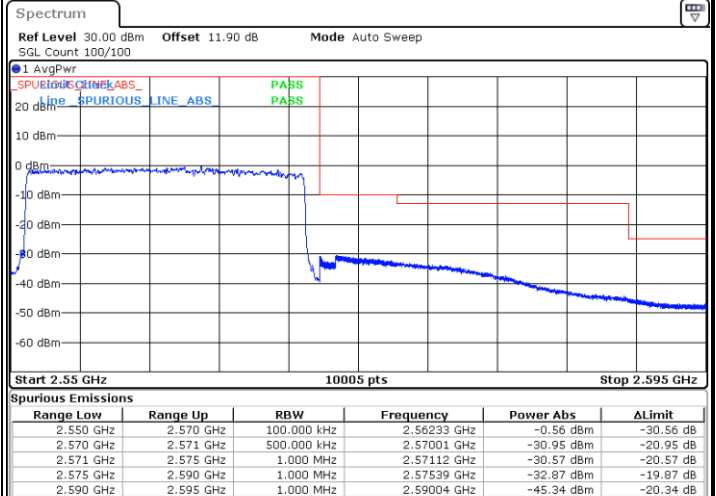
Date: 3.FEB.2021 10:11:51

Lowest Band Edge / Full RB



Date: 3.FEB.2021 10:07:47

Highest Band Edge / Full RB



Date: 3.FEB.2021 10:12:23