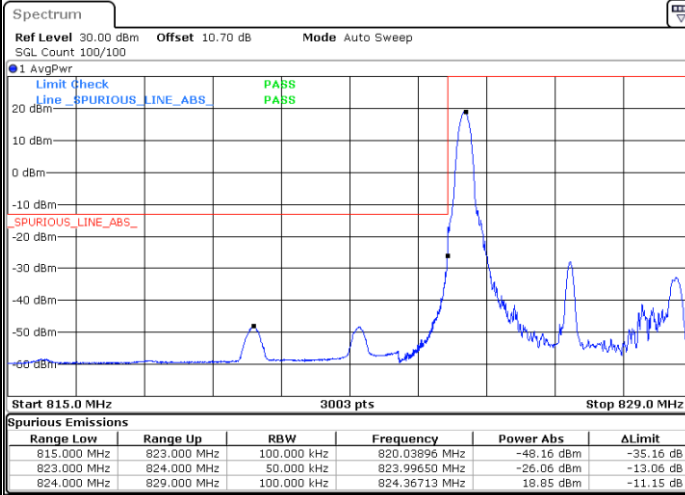




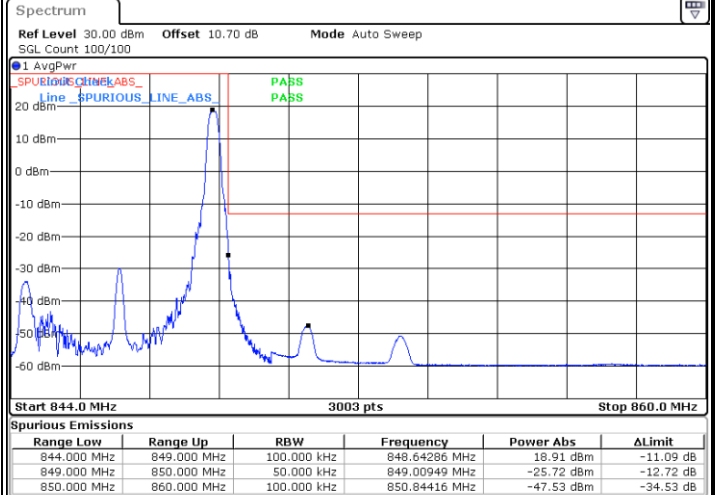
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



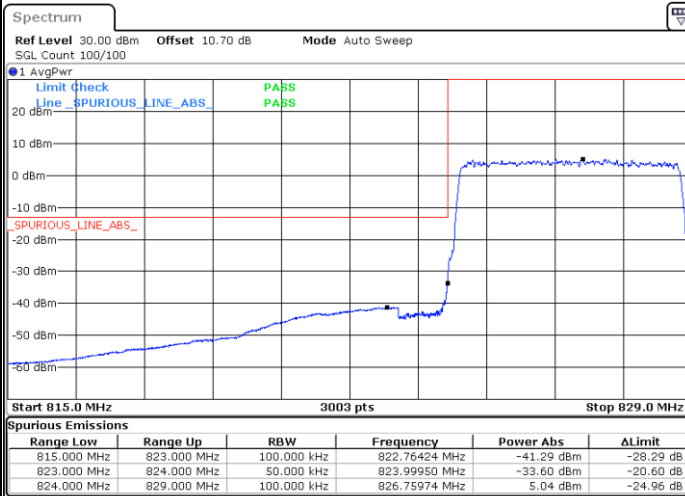
Date: 16.JAN.2022 03:39:41

Highest Band Edge / 1 RB



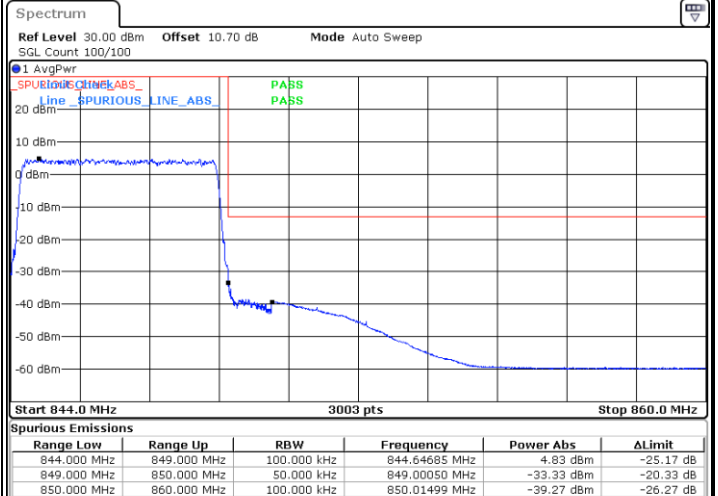
Date: 16.JAN.2022 03:45:31

Lowest Band Edge / Full RB



Date: 16.JAN.2022 03:41:02

Highest Band Edge / Full RB

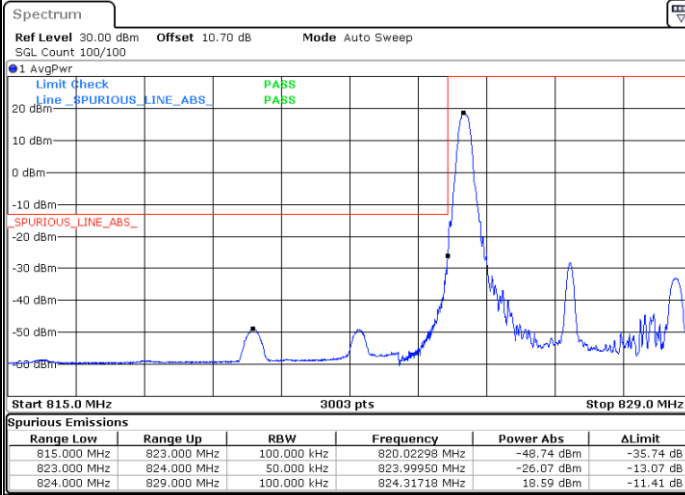


Date: 16.JAN.2022 03:46:58



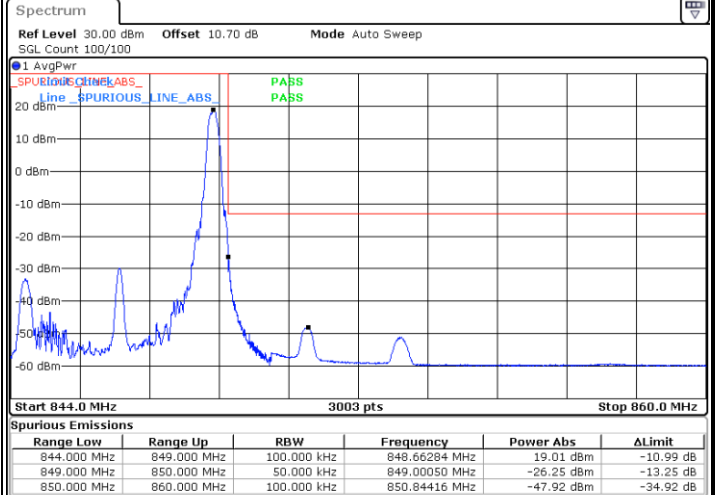
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



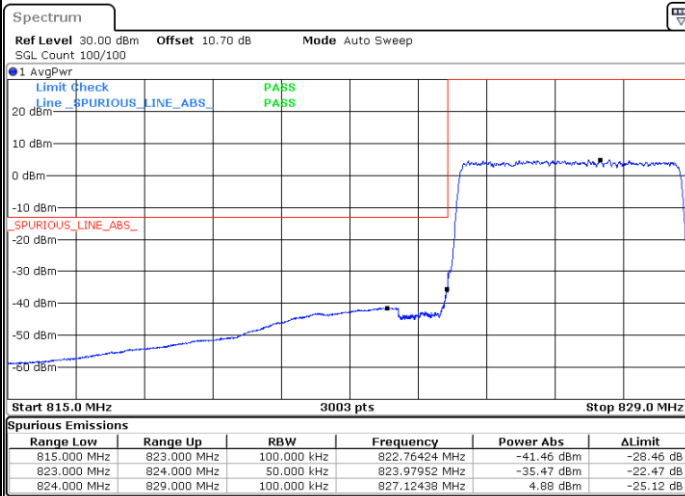
Date: 16.JAN.2022 03:48:28

Highest Band Edge / 1 RB



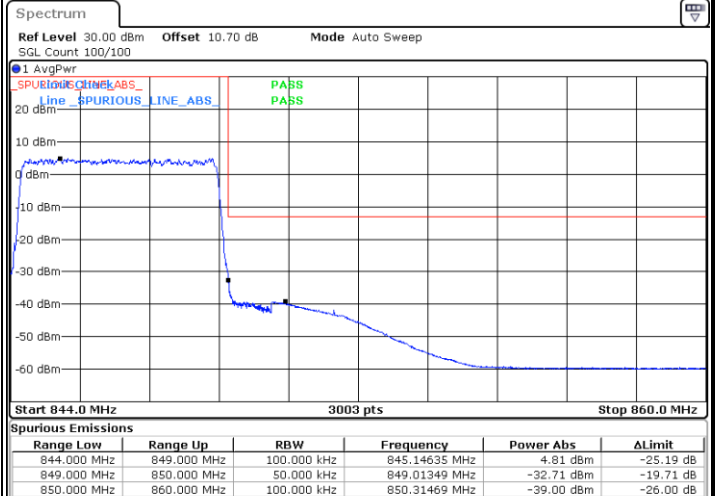
Date: 16.JAN.2022 03:50:33

Lowest Band Edge / Full RB



Date: 16.JAN.2022 03:49:09

Highest Band Edge / Full RB

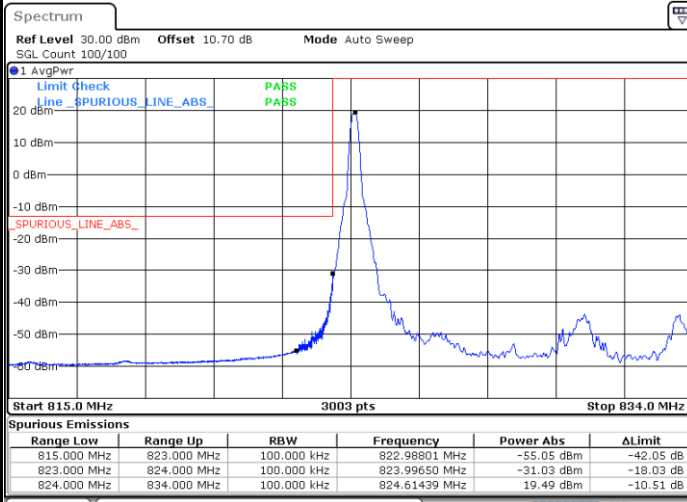


Date: 16.JAN.2022 03:51:16



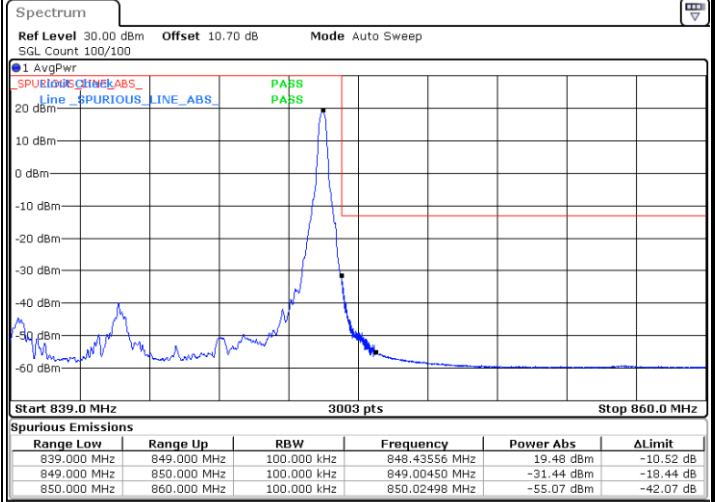
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



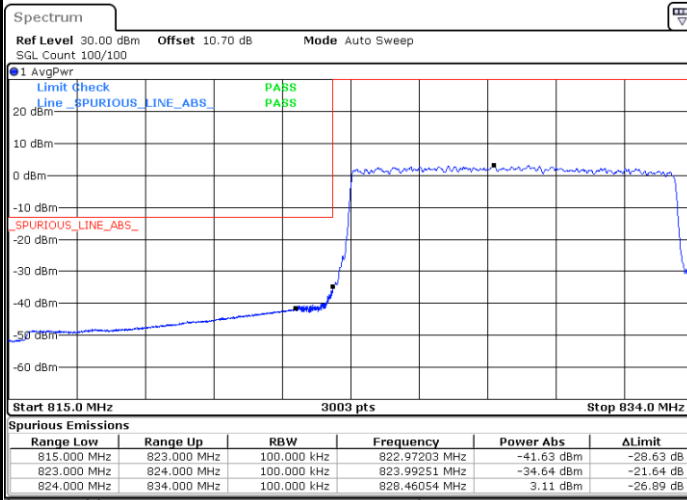
Date: 16.JAN.2022 03:51:57

Highest Band Edge / 1 RB



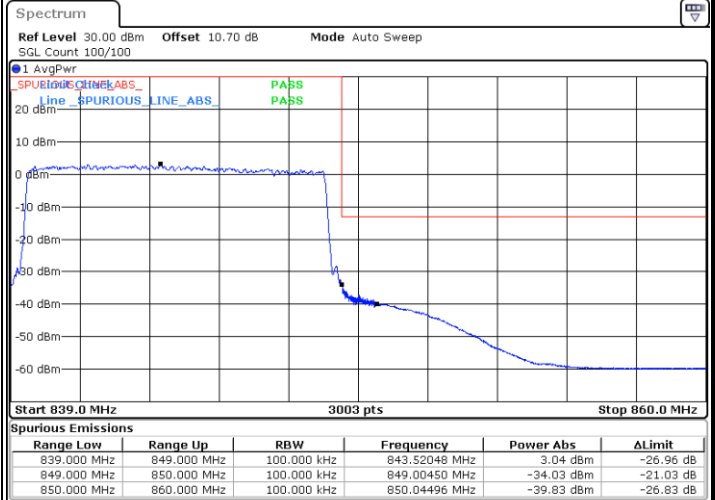
Date: 16.JAN.2022 03:57:43

Lowest Band Edge / Full RB



Date: 16.JAN.2022 03:53:18

Highest Band Edge / Full RB

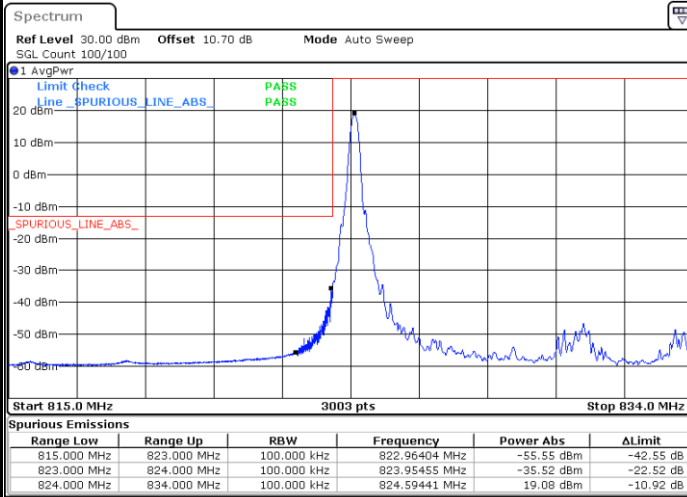


Date: 16.JAN.2022 03:59:10



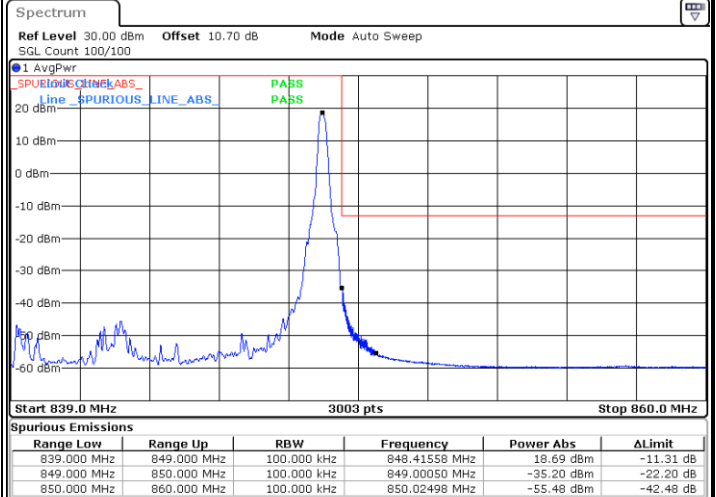
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



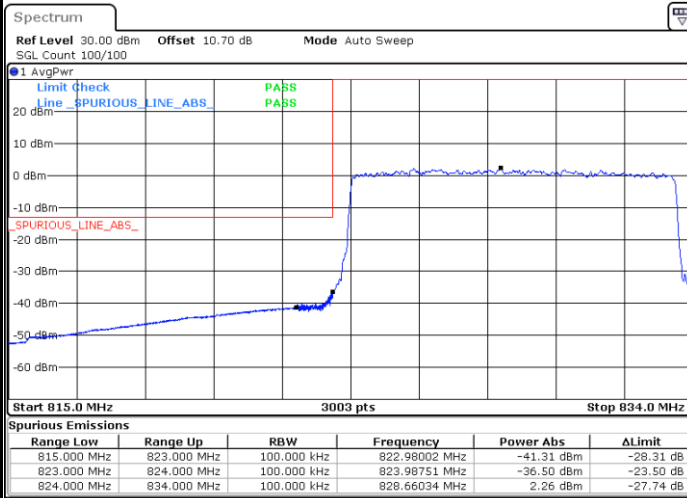
Date: 16.JAN.2022 03:52:38

Highest Band Edge / 1 RB



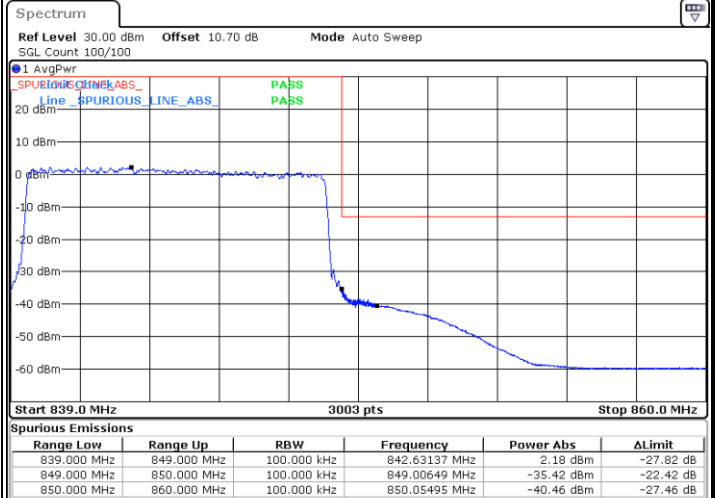
Date: 16.JAN.2022 03:58:27

Lowest Band Edge / Full RB



Date: 16.JAN.2022 03:53:58

Highest Band Edge / Full RB

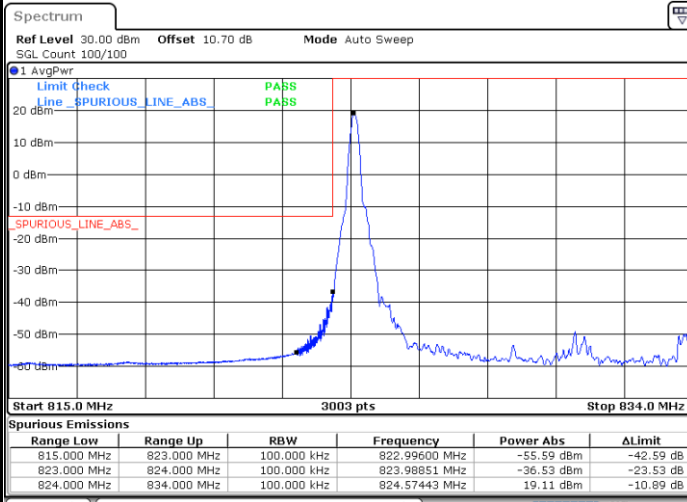


Date: 16.JAN.2022 03:59:53



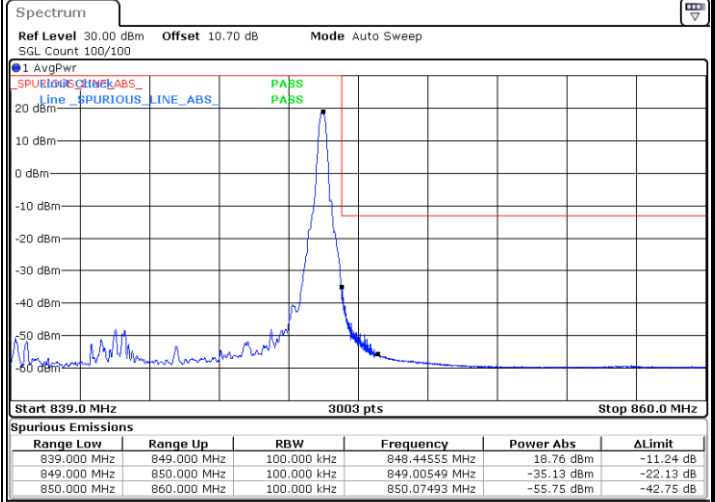
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



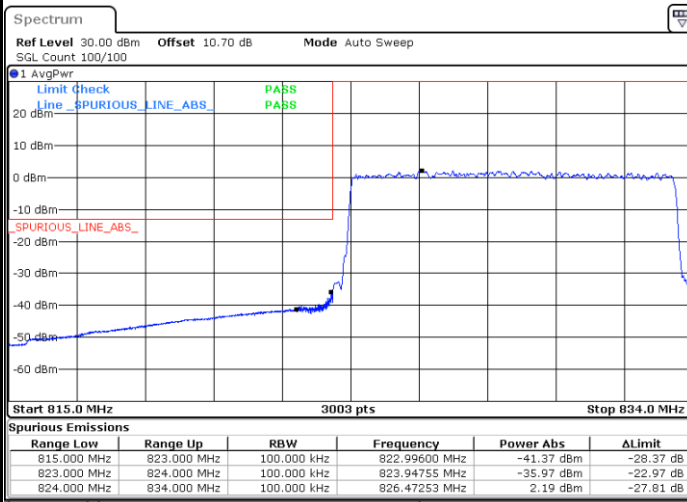
Date: 16.JAN.2022 04:01:24

Highest Band Edge / 1 RB



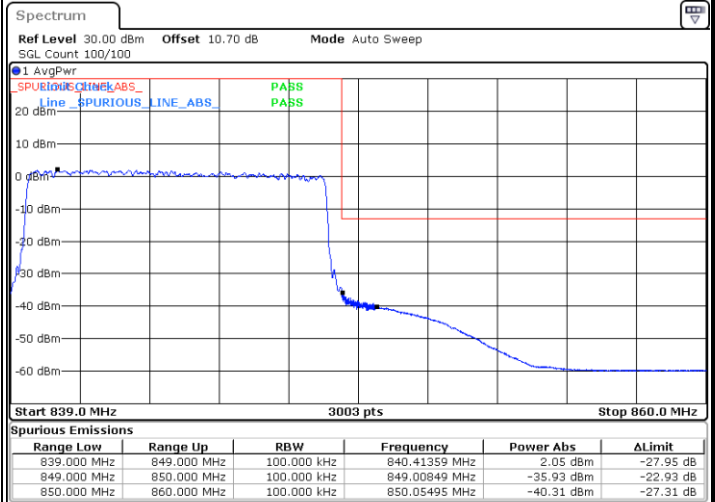
Date: 16.JAN.2022 04:03:28

Lowest Band Edge / Full RB



Date: 16.JAN.2022 04:02:04

Highest Band Edge / Full RB



Date: 16.JAN.2022 04:04:11

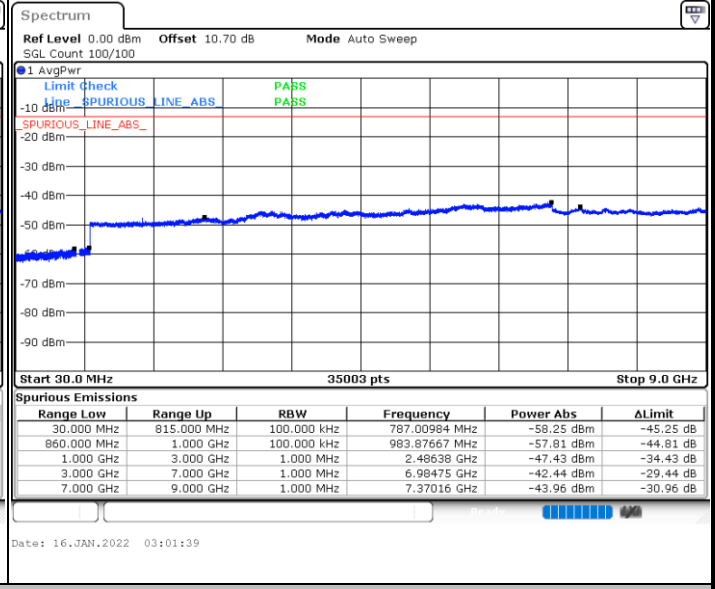
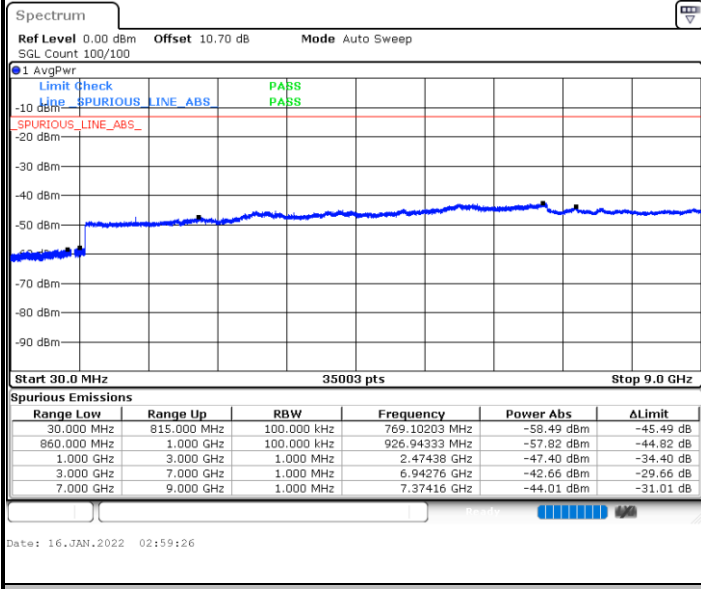


# Conducted Spurious Emission

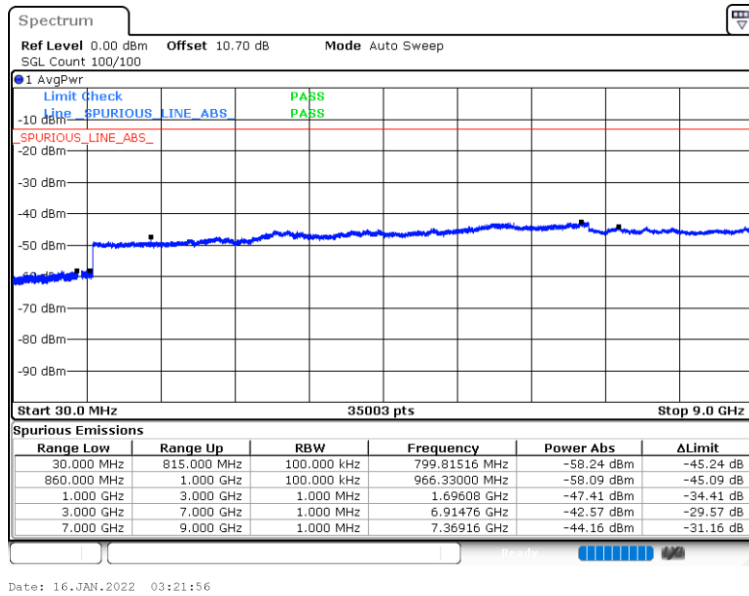
## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK

### Middle Channel / QPSK



### Highest Channel / QPSK

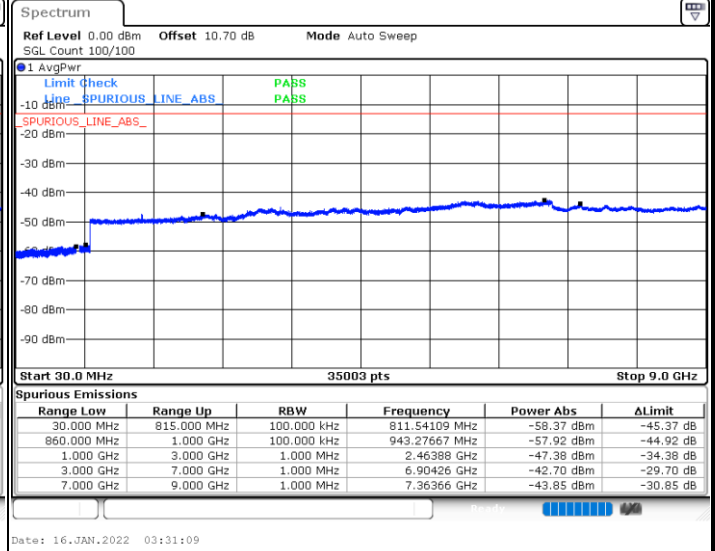
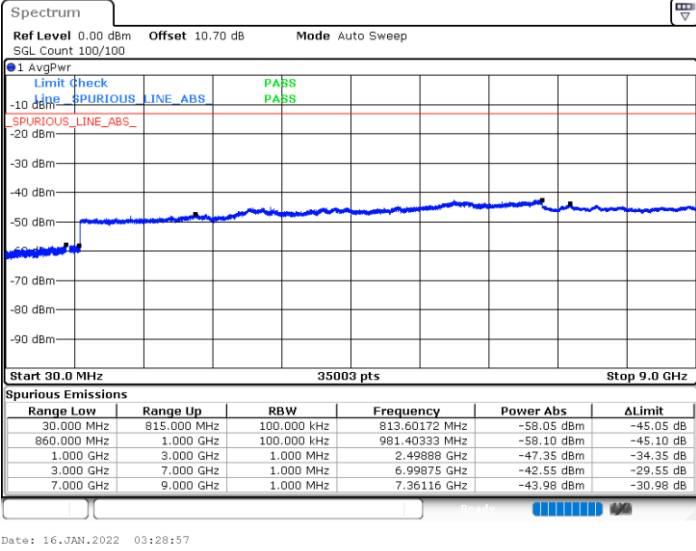




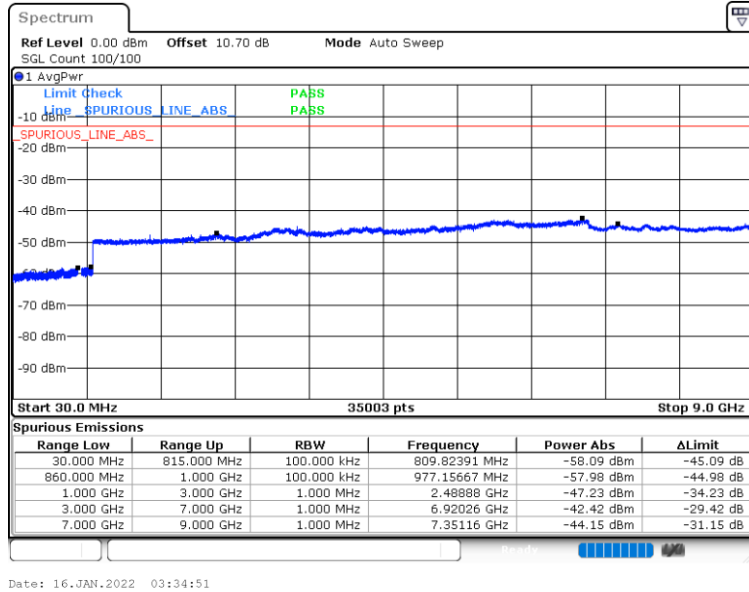
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

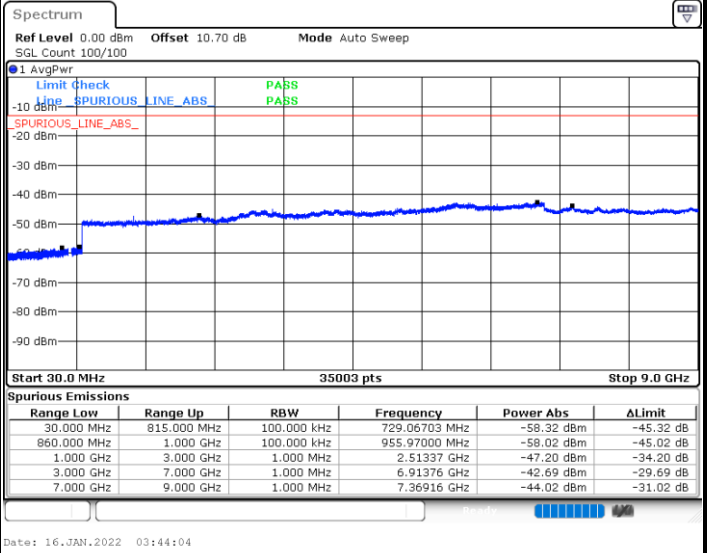
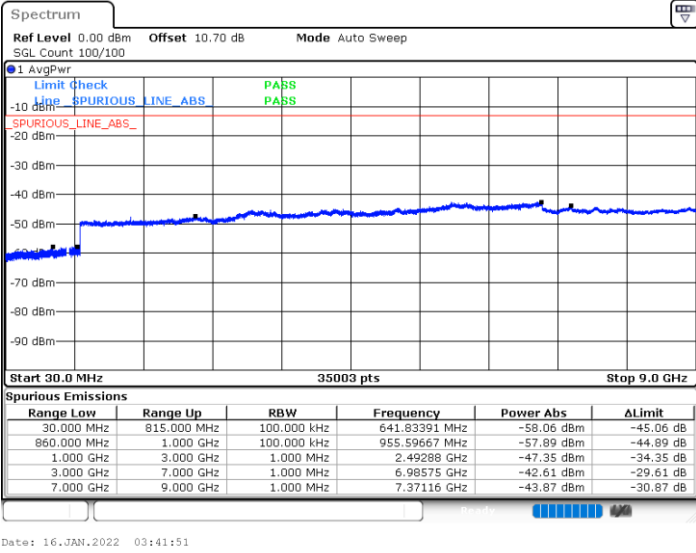




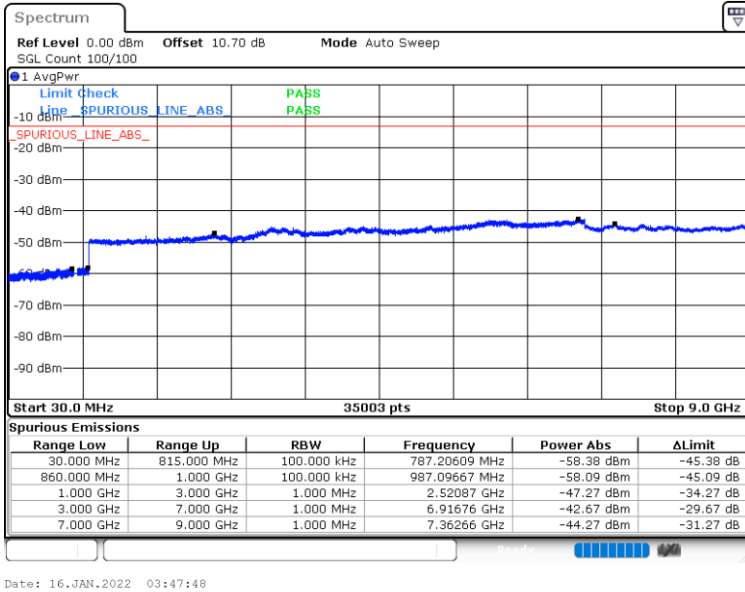
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK



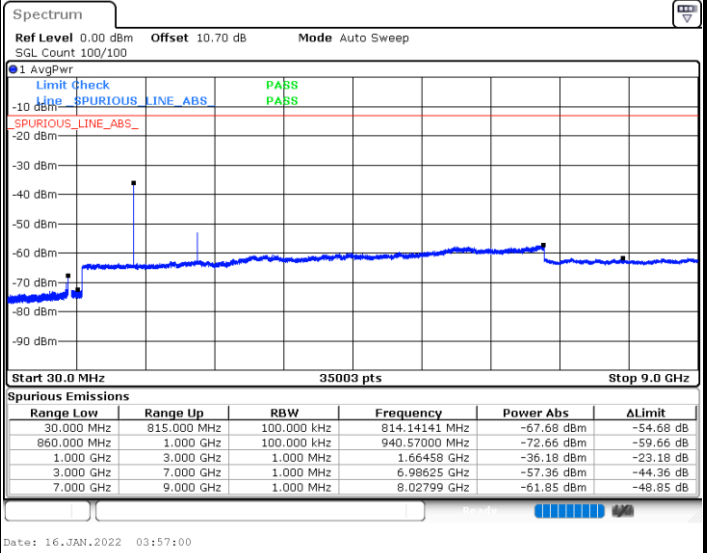
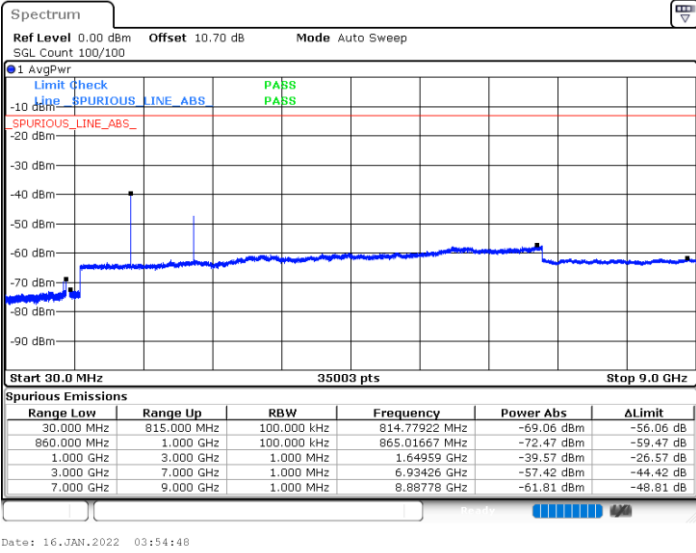




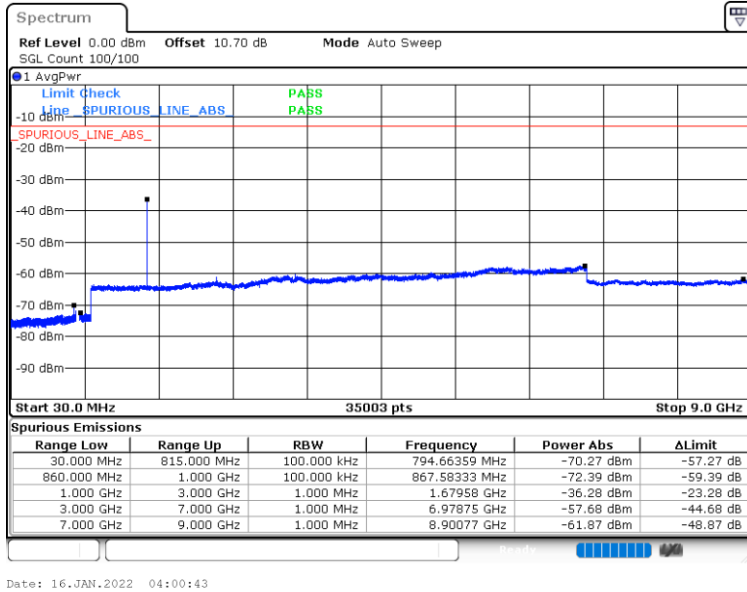
LTE Band 5 / 10MHz

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	0.0123	PASS
40	Normal Voltage	0.0112	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0158	
-10	Normal Voltage	0.0146	
-20	Normal Voltage	0.0128	
-30	Normal Voltage	0.0146	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0026	

**Note:**

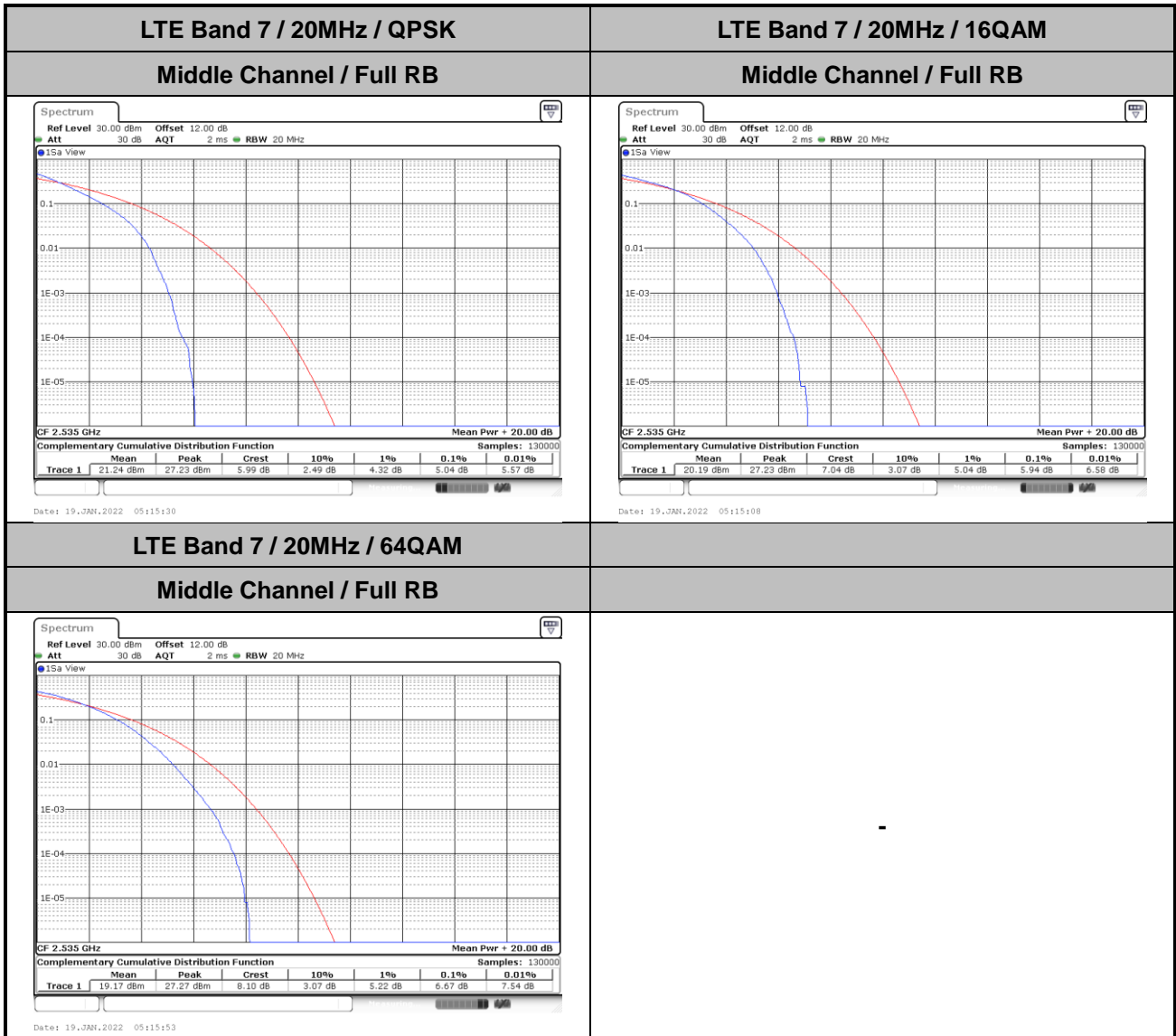
- 1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



## 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	5.04	5.94	6.67	<b>PASS</b>





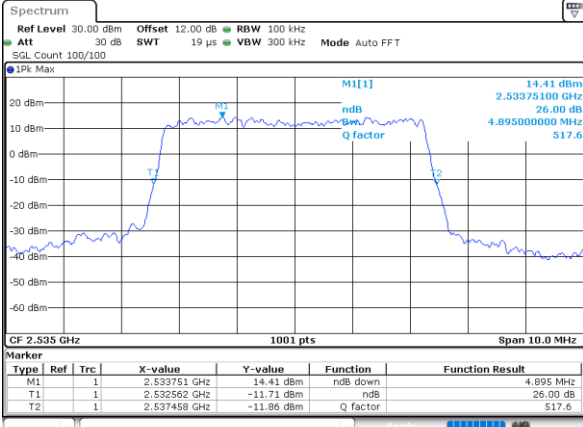
**26dB Bandwidth**

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	-	-	-	-	4.90	4.91	9.81	9.93	14.36	14.18	19.22	19.22
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.90	-	9.81	-	14.39	-	18.82	-



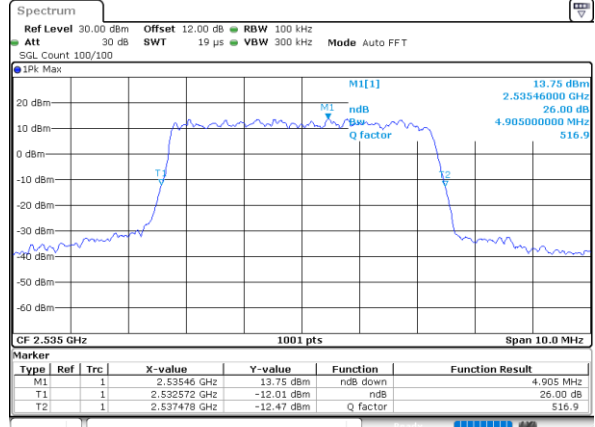
LTE Band 7

Middle Channel / 5MHz / QPSK



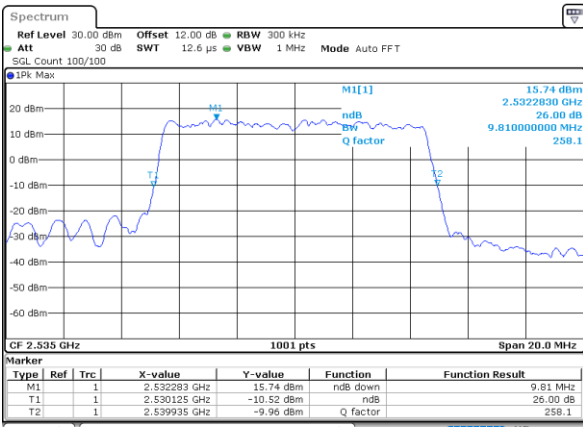
Date: 19\_JAN\_2022 01:29:53

Middle Channel / 5MHz / 16QAM



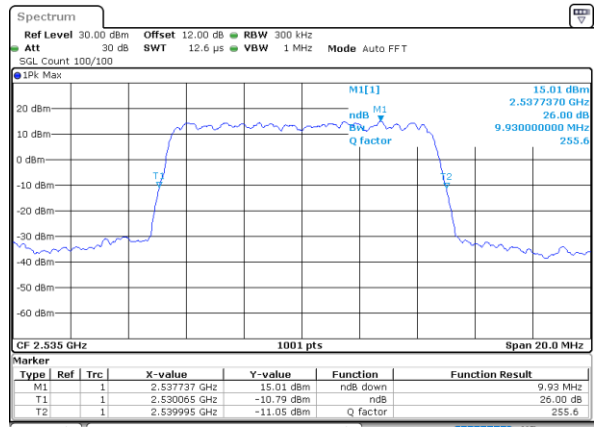
Date: 19\_JAN\_2022 01:30:13

Middle Channel / 10MHz / QPSK



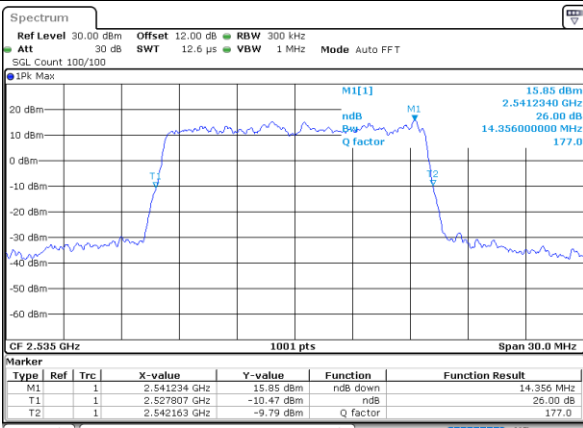
Date: 19\_JAN\_2022 01:43:01

Middle Channel / 10MHz / 16QAM



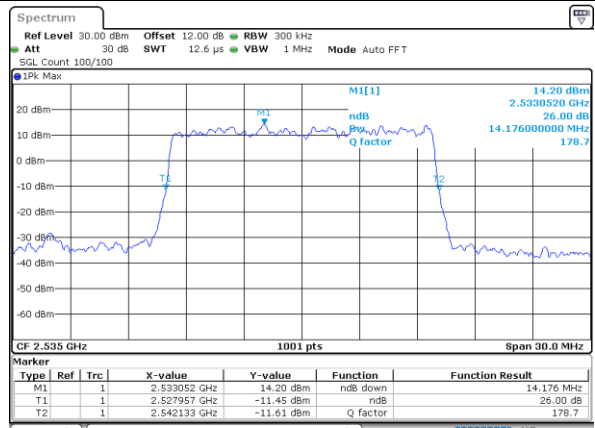
Date: 19\_JAN\_2022 01:43:01

Middle Channel / 15MHz / QPSK



Date: 19\_JAN\_2022 04:48:48

Middle Channel / 15MHz / 16QAM

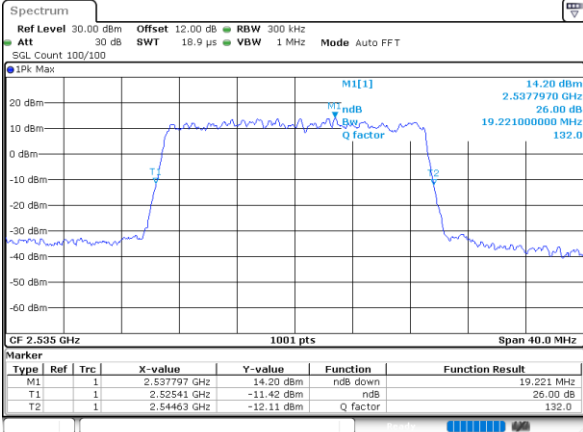


Date: 19\_JAN\_2022 04:49:09



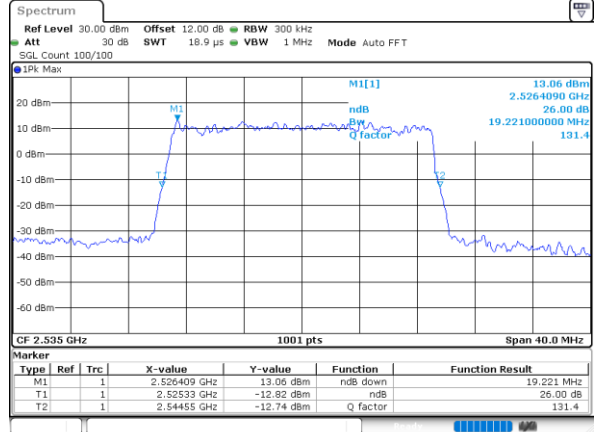
LTE Band 7

Middle Channel / 20MHz / QPSK



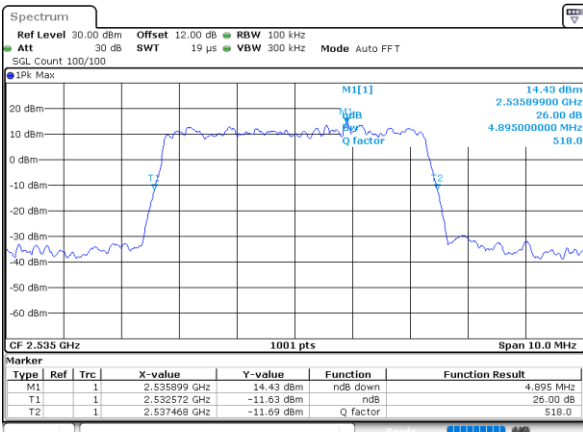
Date: 19\_JAN\_2022 05:05:10

Middle Channel / 20MHz / 16QAM



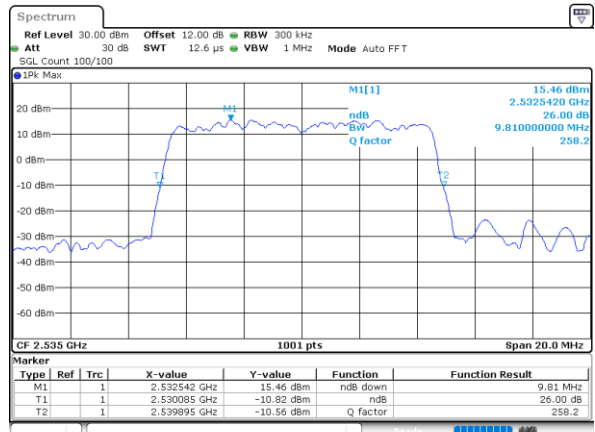
Date: 19\_JAN\_2022 05:05:31

Middle Channel / 5MHz / 64QAM



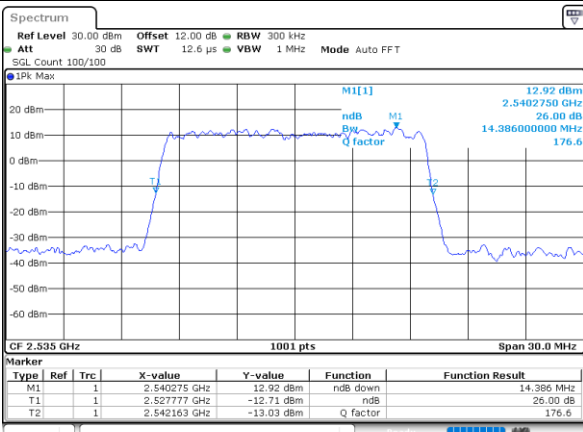
Date: 19\_JAN\_2022 01:36:56

Middle Channel / 10MHz / 64QAM



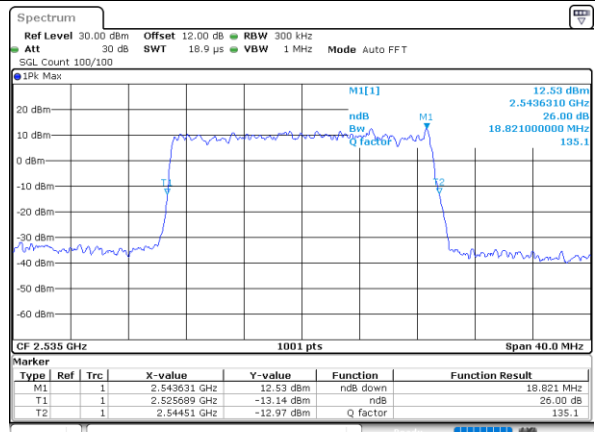
Date: 19\_JAN\_2022 04:41:32

Middle Channel / 15MHz / 64QAM



Date: 19\_JAN\_2022 04:55:52

Middle Channel / 20MHz / 64QAM



Date: 19\_JAN\_2022 05:11:24



**Occupied Bandwidth**

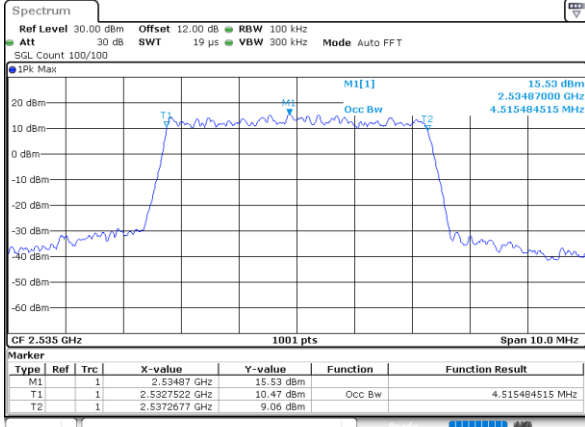
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.52	4.50	9.01	9.05	13.49	13.43	17.86	17.86
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.49	-	9.03	-	13.52	-	17.82	-





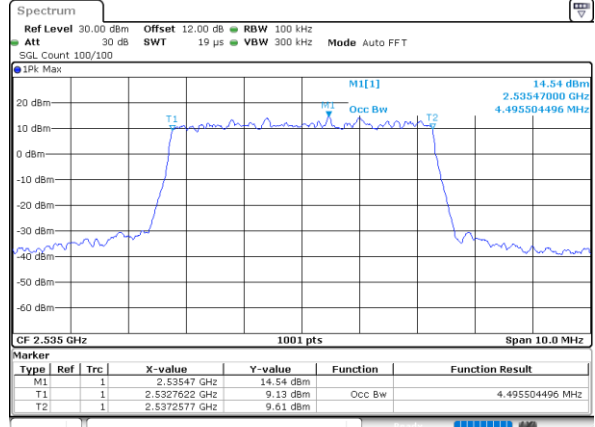
LTE Band 7

Middle Channel / 5MHz / QPSK



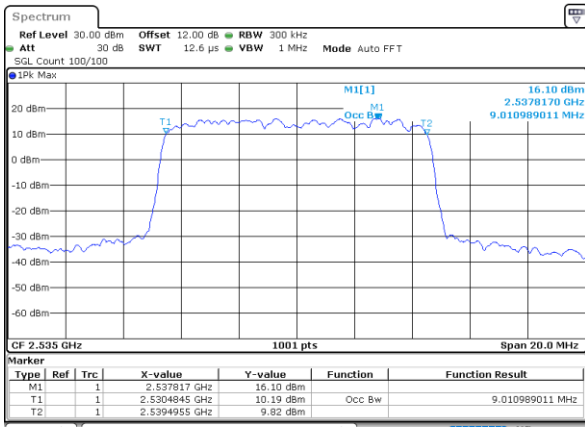
Date: 19\_JAN,2022 01:29:12

Middle Channel / 5MHz / 16QAM



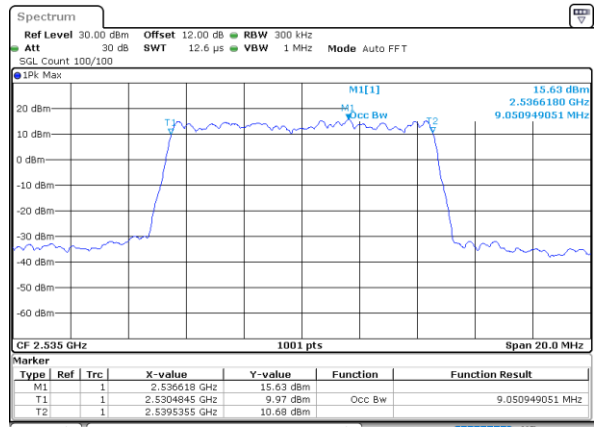
Date: 19\_JAN,2022 01:29:132

Middle Channel / 10MHz / QPSK



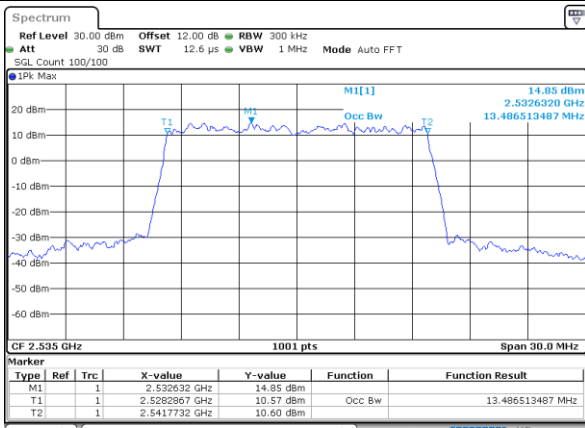
Date: 19\_JAN,2022 01:42:20

Middle Channel / 10MHz / 16QAM



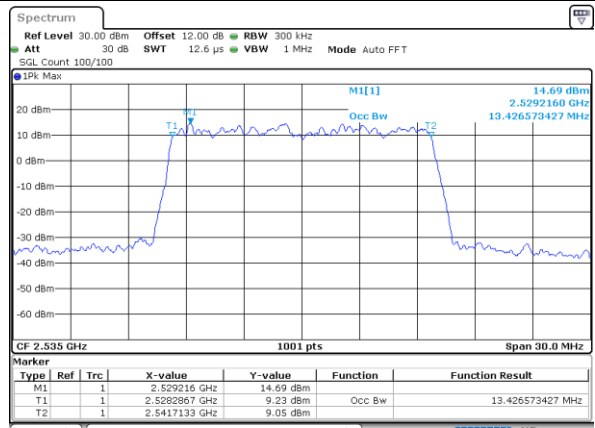
Date: 19\_JAN,2022 01:42:140

Middle Channel / 15MHz / QPSK



Date: 19\_JAN,2022 04:48:07

Middle Channel / 15MHz / 16QAM

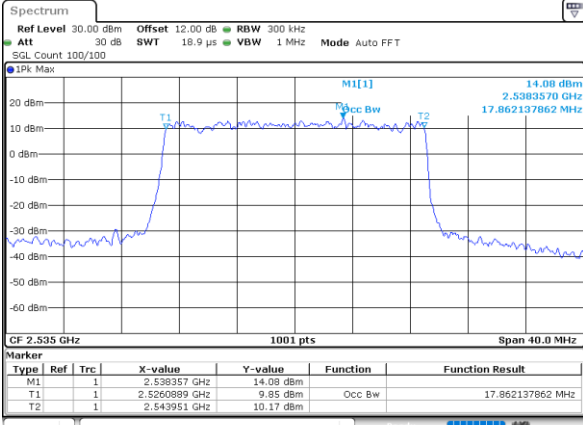


Date: 19\_JAN,2022 04:48:28



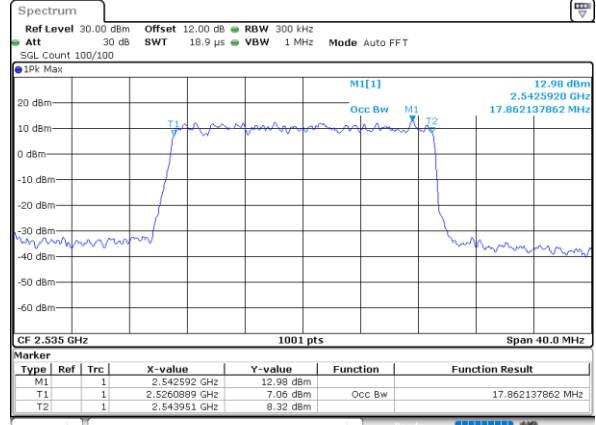
LTE Band 7

Middle Channel / 20MHz / QPSK



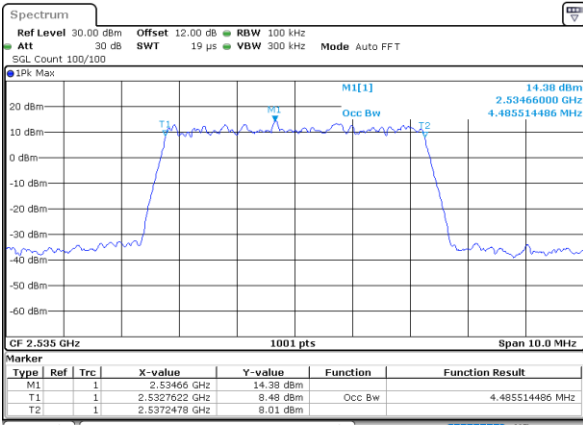
Date: 19\_JAN,2022 05:04:29

Middle Channel / 20MHz / 16QAM



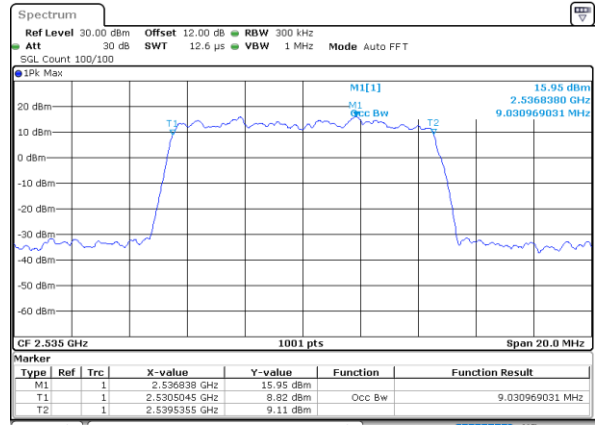
Date: 19\_JAN,2022 05:04:50

Middle Channel / 5MHz / 64QAM



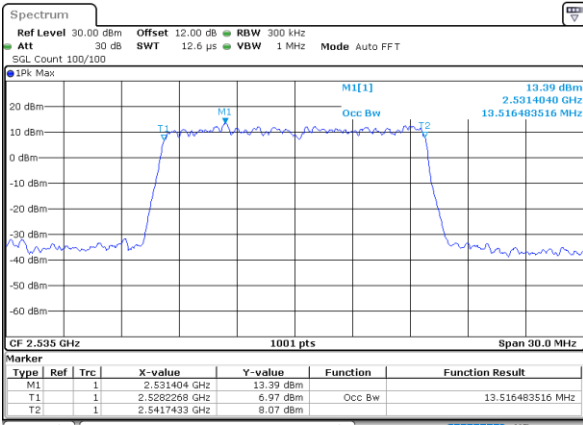
Date: 19\_JAN,2022 01:36:05

Middle Channel / 10MHz / 64QAM



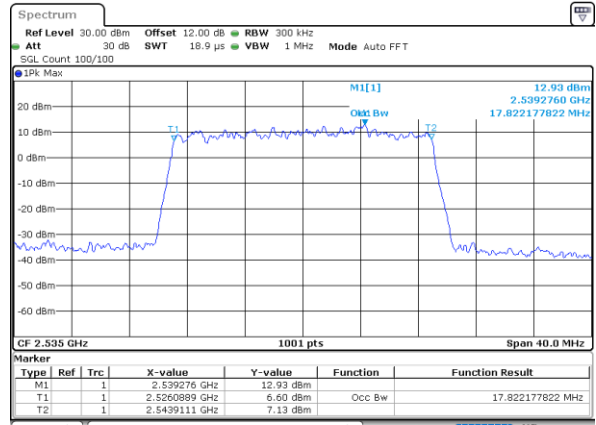
Date: 19\_JAN,2022 04:41:11

Middle Channel / 15MHz / 64QAM



Date: 19\_JAN,2022 04:55:32

Middle Channel / 20MHz / 64QAM



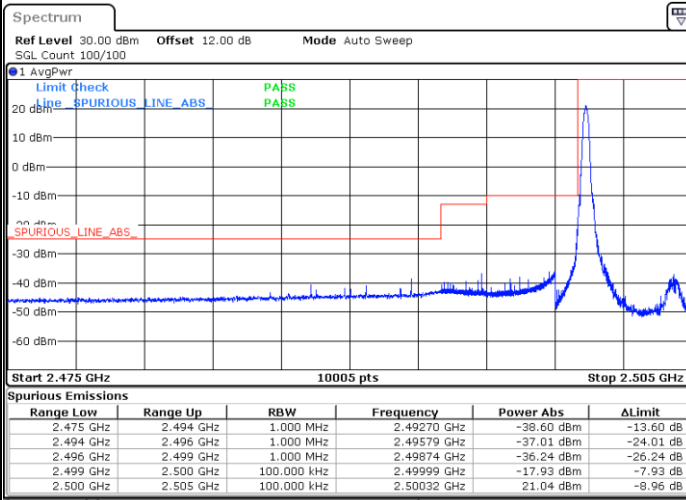
Date: 19\_JAN,2022 05:13:04



# Conducted Band Edge

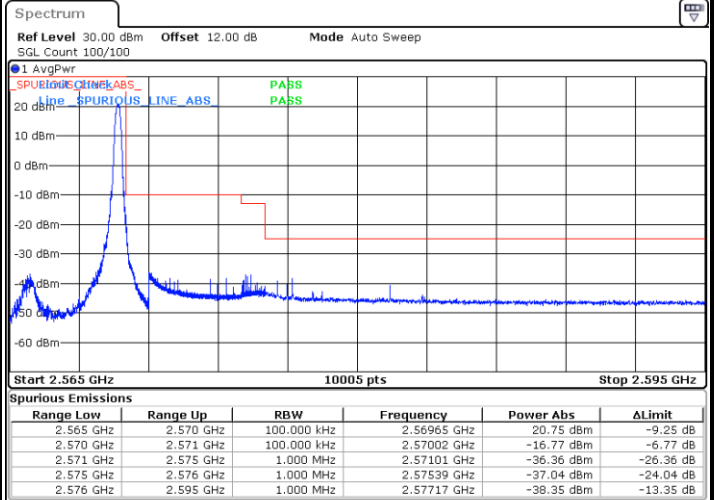
## LTE Band 7 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



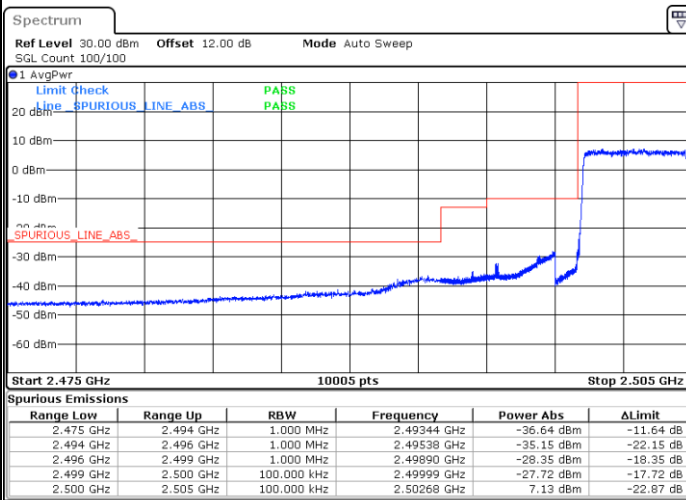
Date: 19.JAN.2022 01:25:49

### Highest Band Edge / 1 RB



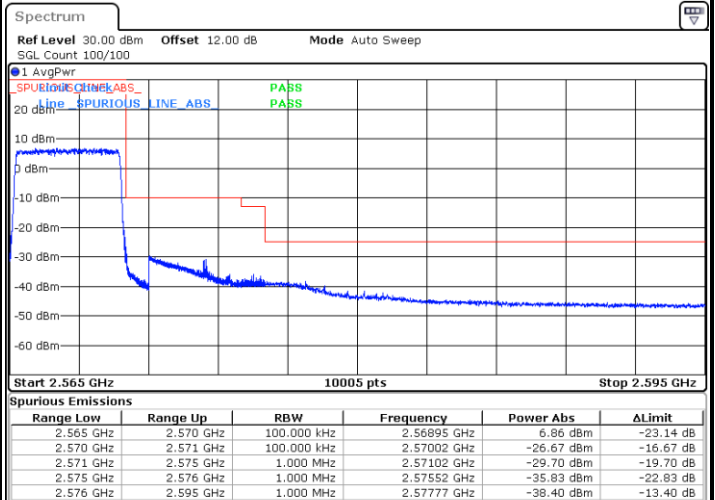
Date: 19.JAN.2022 01:31:52

### Lowest Band Edge / Full RB



Date: 19.JAN.2022 01:27:10

### Highest Band Edge / Full RB

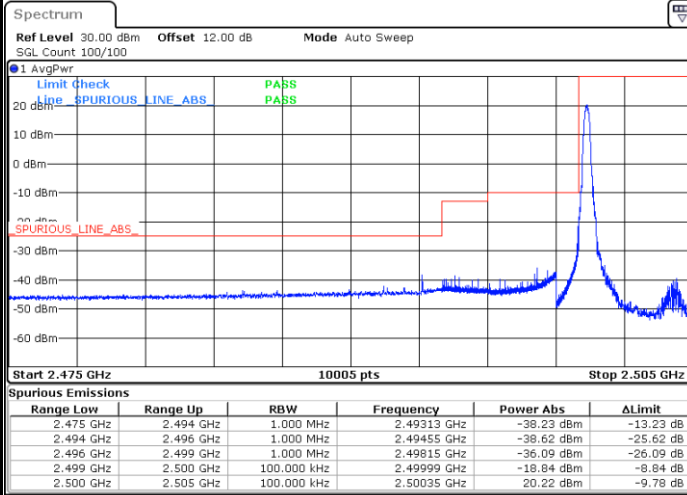


Date: 19.JAN.2022 01:33:13



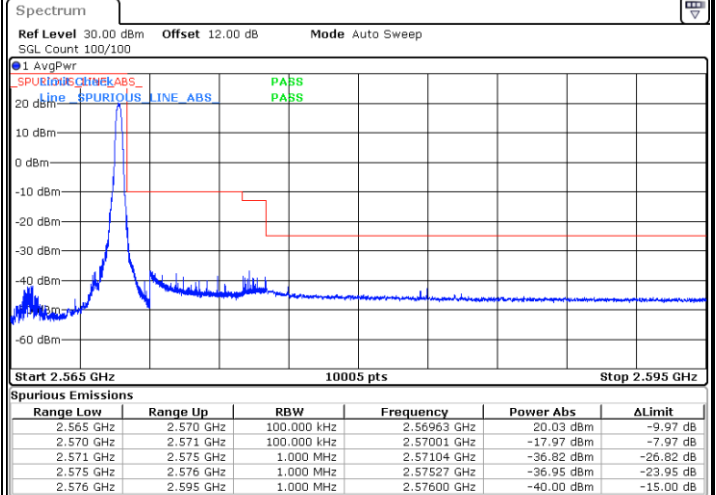
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



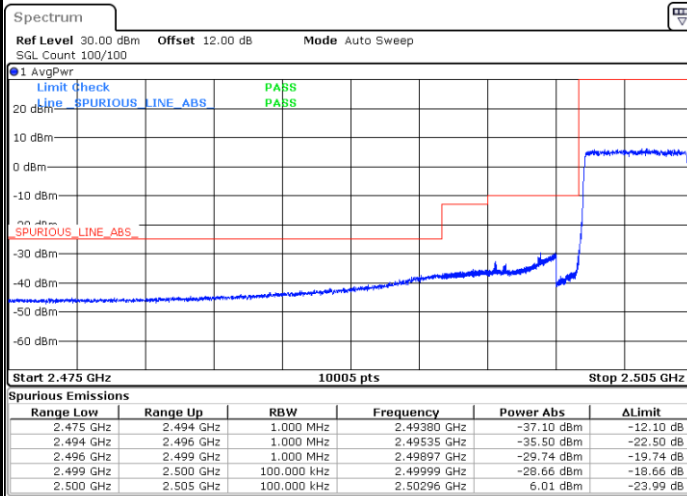
Date: 19.JAN.2022 01:26:30

Highest Band Edge / 1 RB



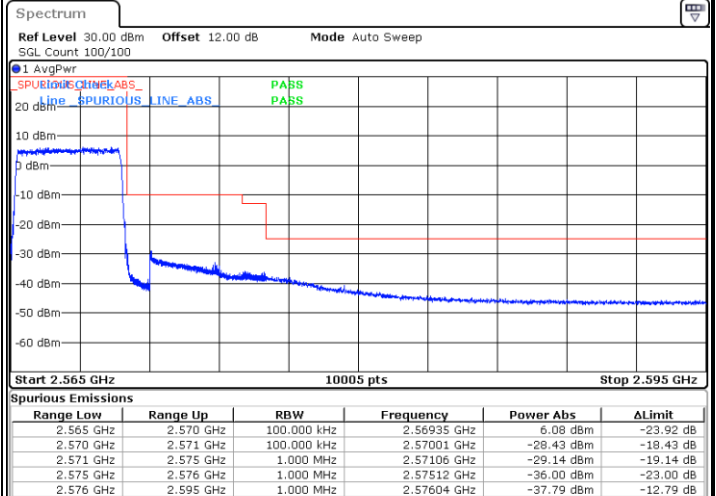
Date: 19.JAN.2022 01:32:32

Lowest Band Edge / Full RB



Date: 19.JAN.2022 01:27:51

Highest Band Edge / Full RB

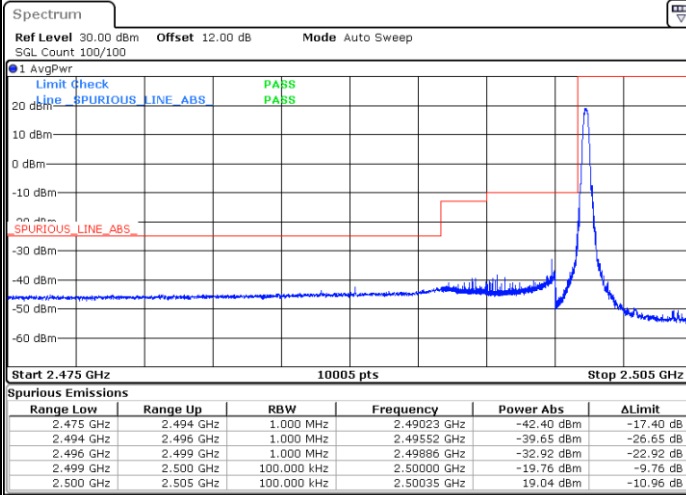


Date: 19.JAN.2022 01:33:53



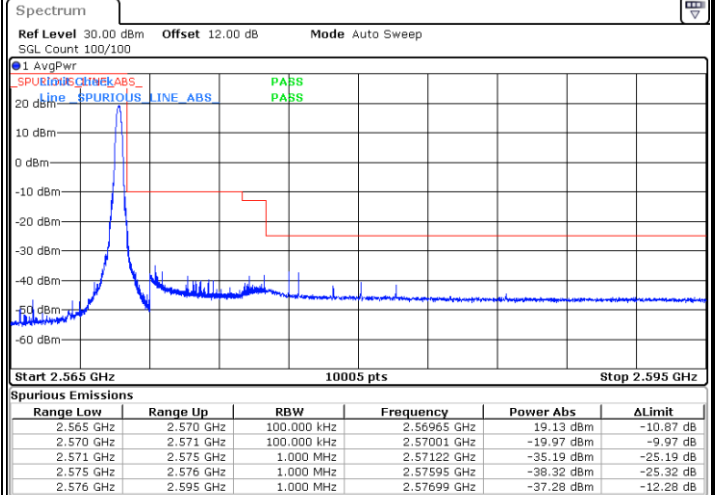
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



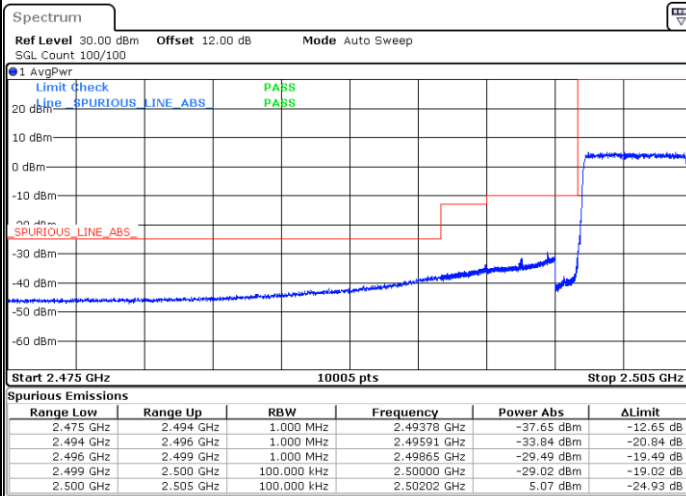
Date: 19.JAN.2022 01:35:33

Highest Band Edge / 1 RB



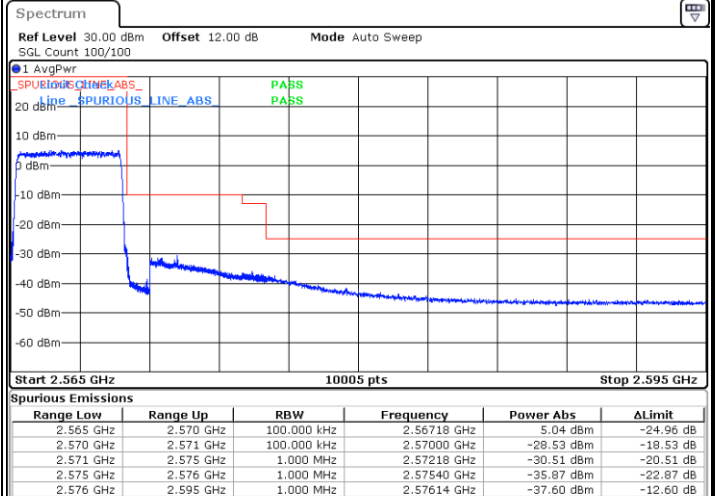
Date: 19.JAN.2022 01:37:35

Lowest Band Edge / Full RB



Date: 19.JAN.2022 01:36:14

Highest Band Edge / Full RB

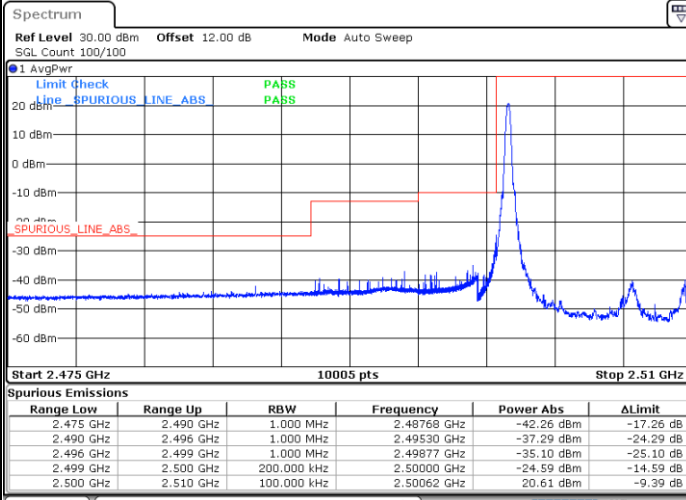


Date: 19.JAN.2022 01:38:16



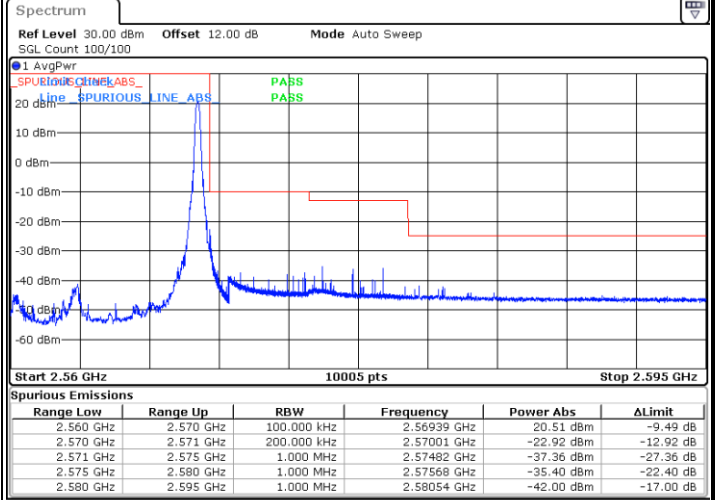
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



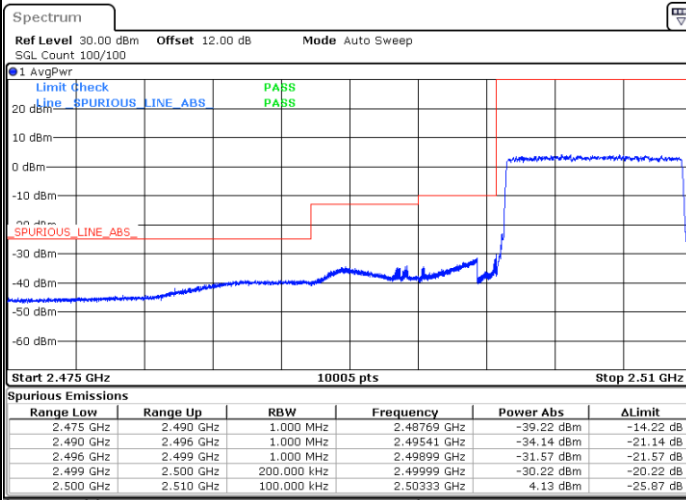
Date: 19.JAN.2022 01:38:58

Highest Band Edge / 1 RB



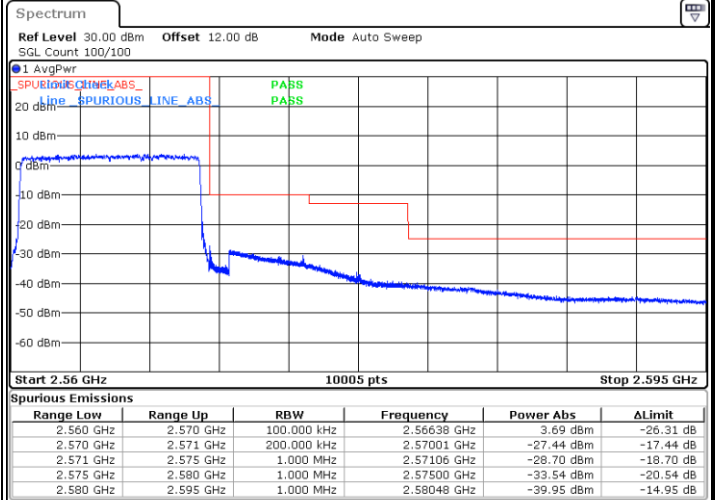
Date: 19.JAN.2022 01:45:35

Lowest Band Edge / Full RB



Date: 19.JAN.2022 01:40:19

Highest Band Edge / Full RB

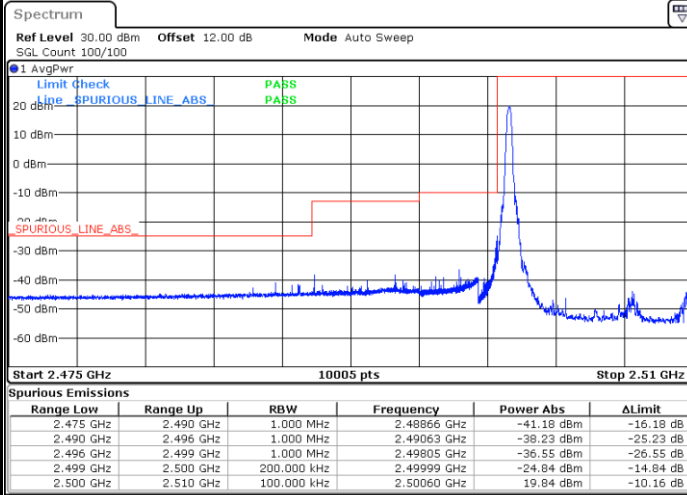


Date: 19.JAN.2022 01:48:04



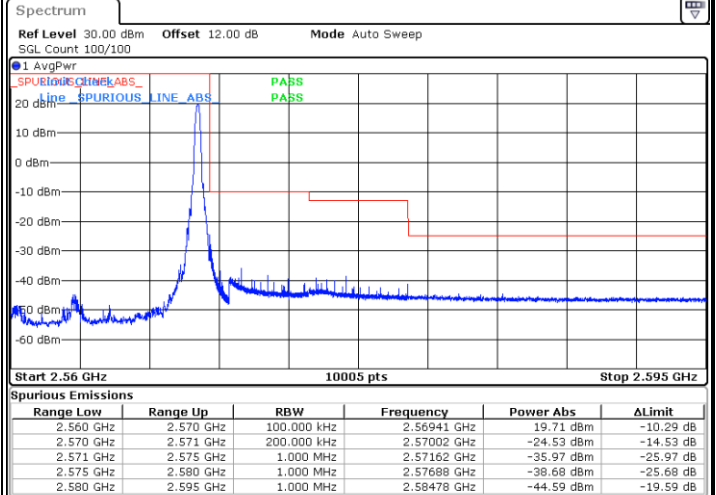
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



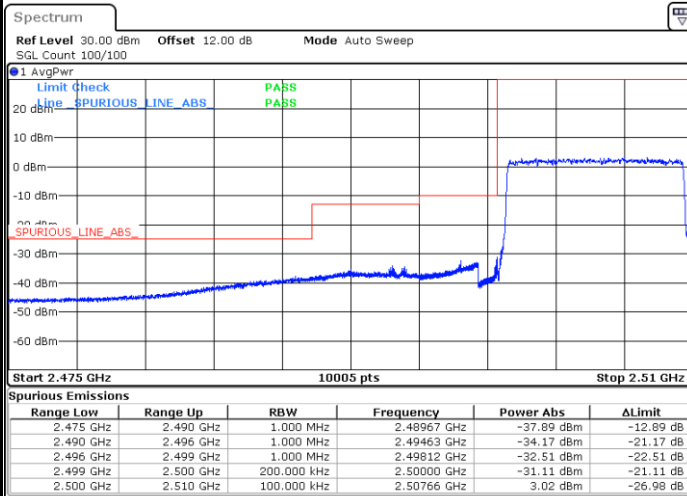
Date: 19.JAN.2022 01:39:38

Highest Band Edge / 1 RB



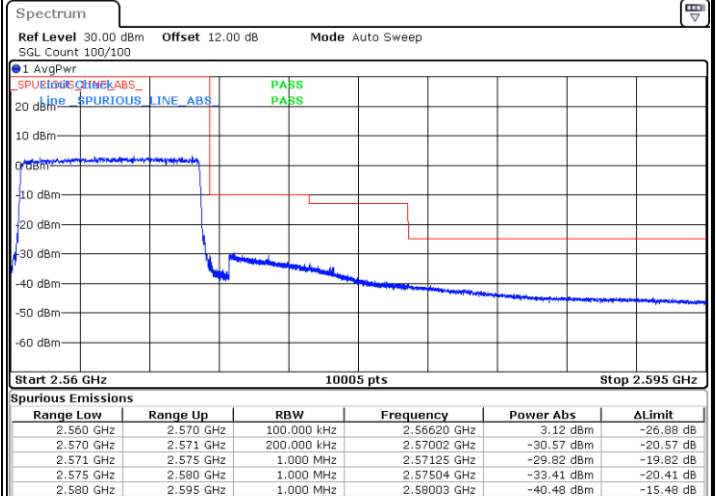
Date: 19.JAN.2022 01:46:49

Lowest Band Edge / Full RB



Date: 19.JAN.2022 01:40:59

Highest Band Edge / Full RB

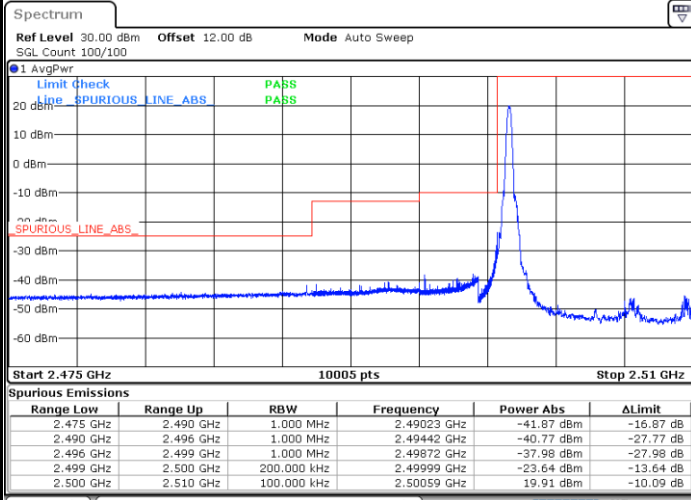


Date: 19.JAN.2022 01:49:19



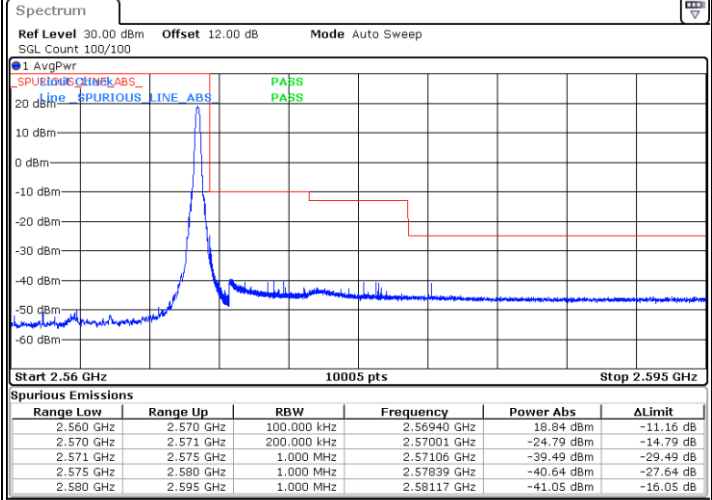
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



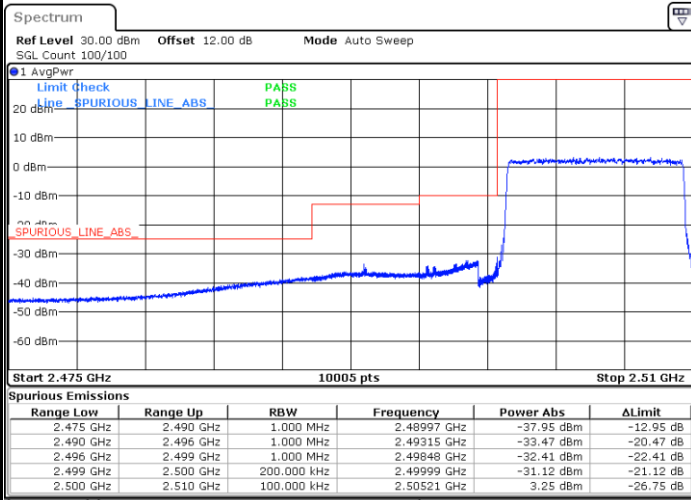
Date: 19.JAN.2022 04:40:10

Highest Band Edge / 1 RB



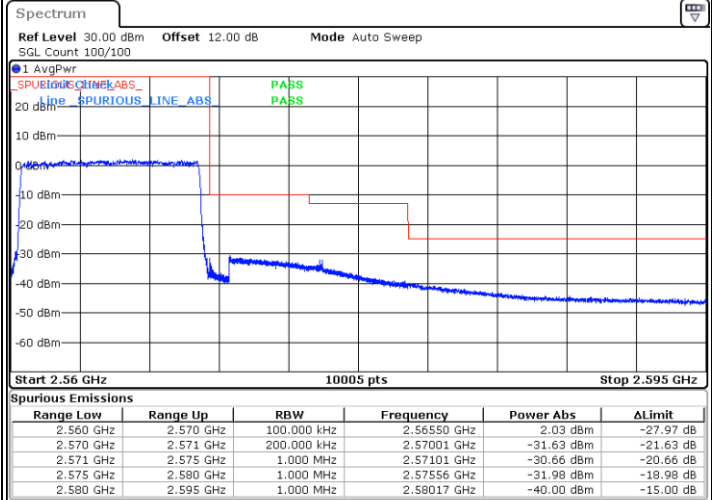
Date: 19.JAN.2022 04:42:46

Lowest Band Edge / Full RB



Date: 19.JAN.2022 04:40:50

Highest Band Edge / Full RB



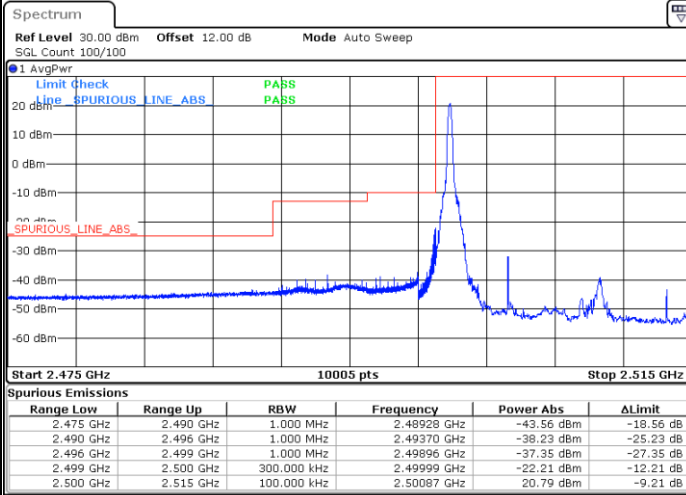
Date: 19.JAN.2022 04:44:01





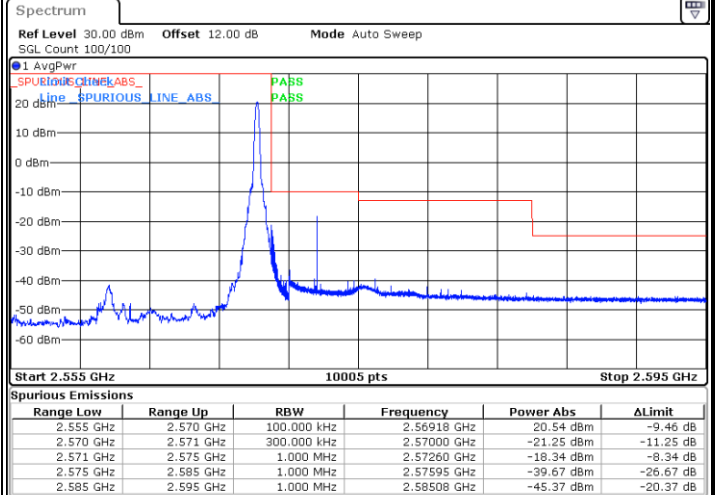
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



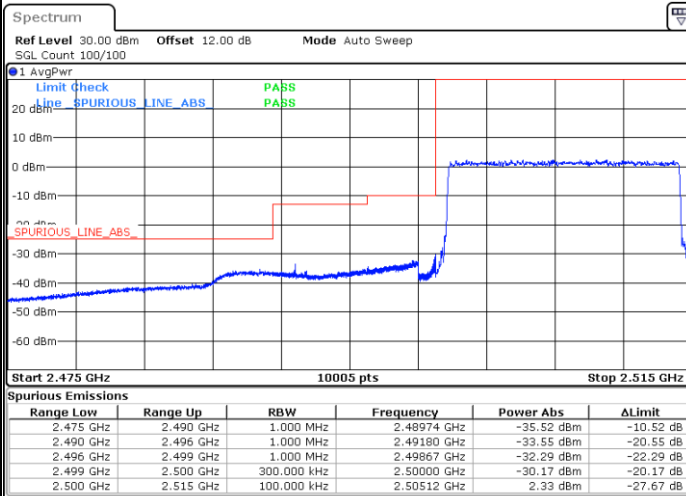
Date: 19.JAN.2022 04:44:43

Highest Band Edge / 1 RB



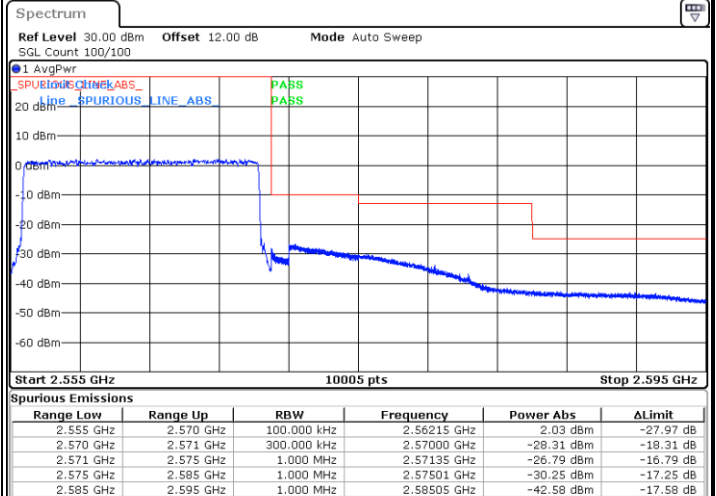
Date: 19.JAN.2022 04:50:48

Lowest Band Edge / Full RB



Date: 19.JAN.2022 04:46:04

Highest Band Edge / Full RB

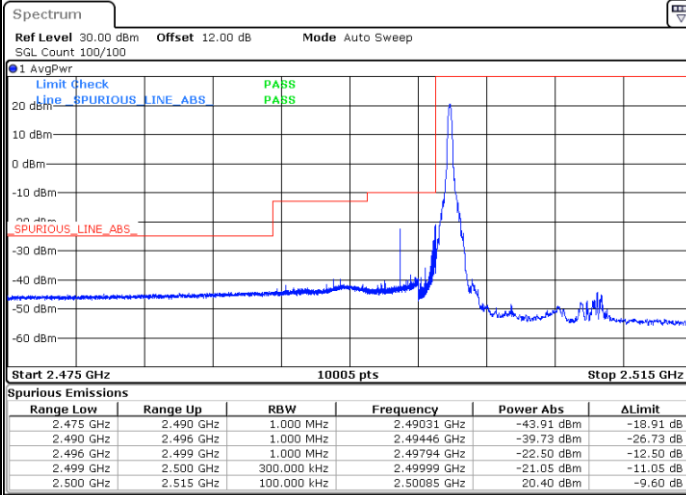


Date: 19.JAN.2022 04:52:09



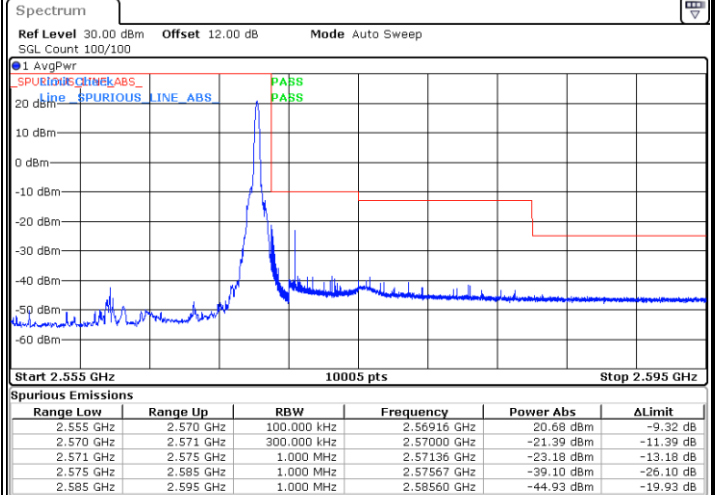
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



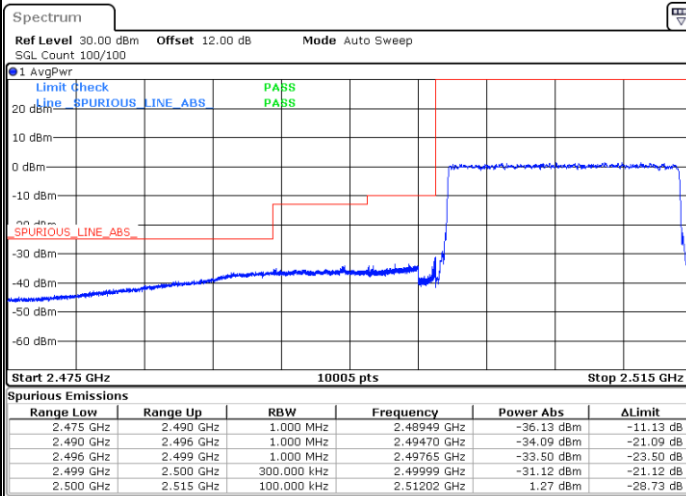
Date: 19.JAN.2022 04:45:23

Highest Band Edge / 1 RB



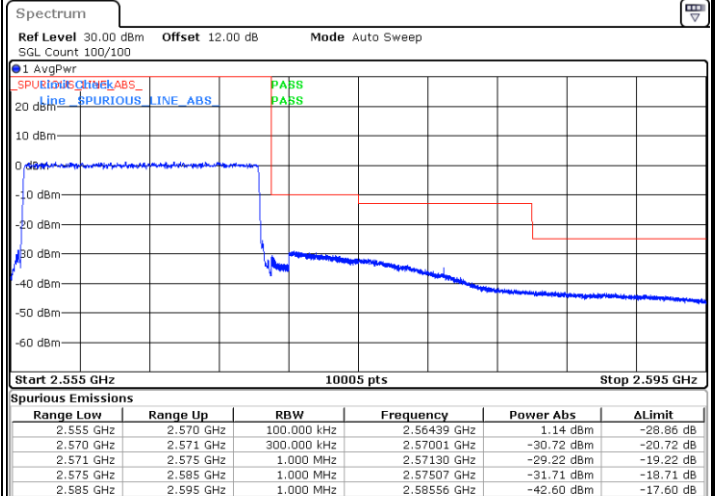
Date: 19.JAN.2022 04:51:28

Lowest Band Edge / Full RB



Date: 19.JAN.2022 04:46:46

Highest Band Edge / Full RB

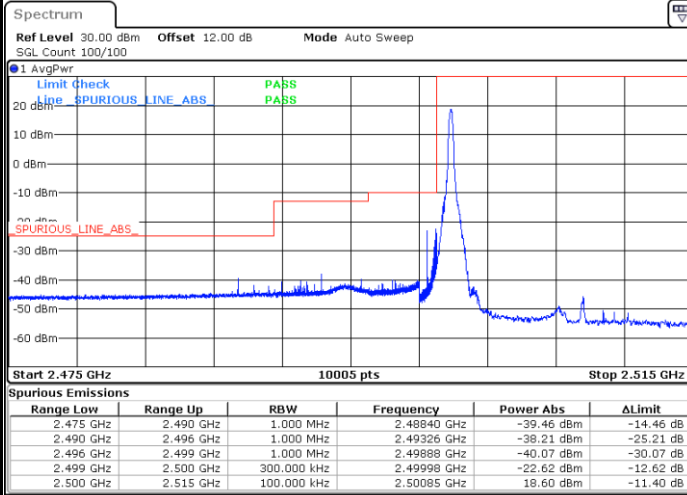


Date: 19.JAN.2022 04:52:49



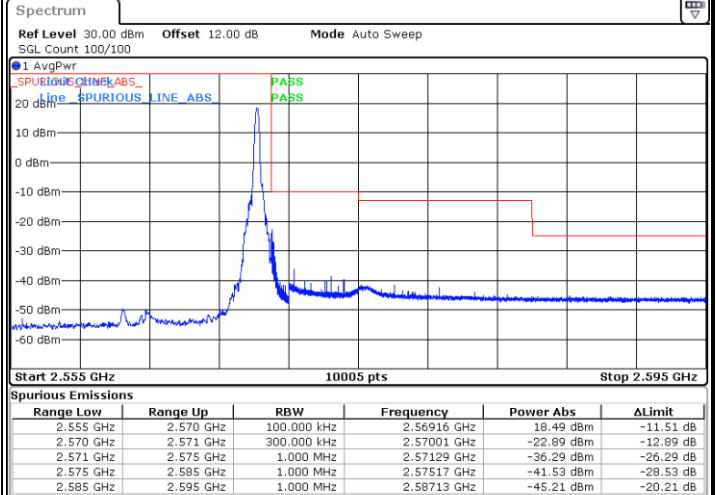
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



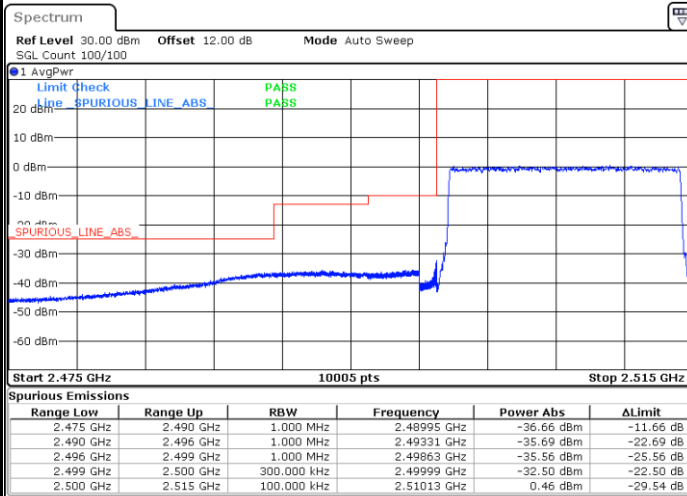
Date: 19.JAN.2022 04:54:30

Highest Band Edge / 1 RB



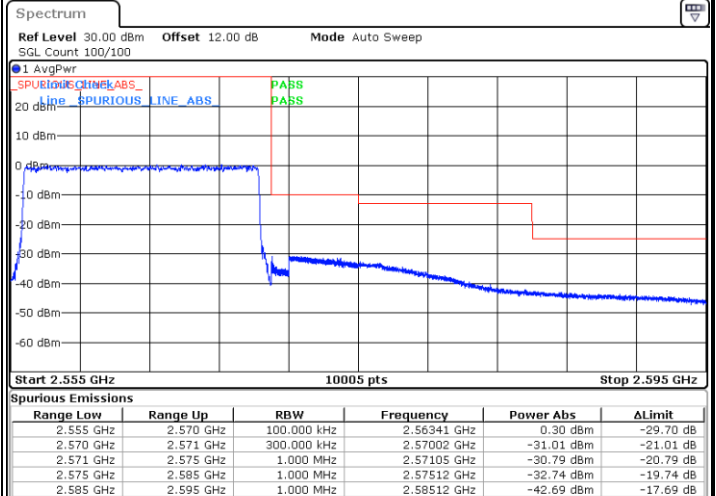
Date: 19.JAN.2022 04:56:32

Lowest Band Edge / Full RB



Date: 19.JAN.2022 04:55:11

Highest Band Edge / Full RB

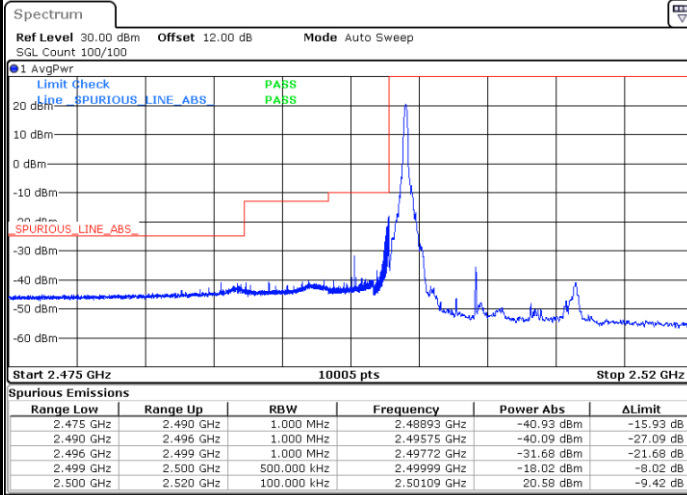


Date: 19.JAN.2022 04:57:14



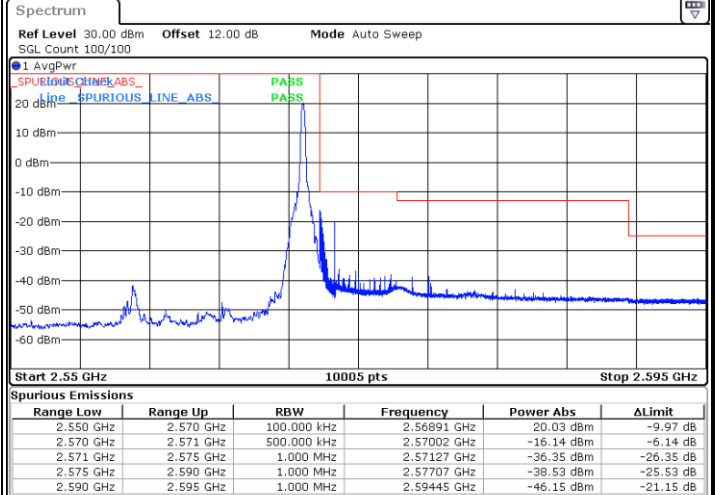
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



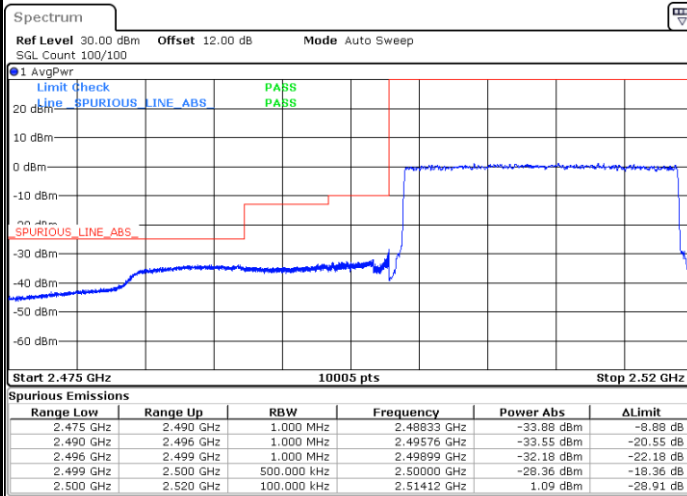
Date: 19.JAN.2022 04:58:29

Highest Band Edge / 1 RB



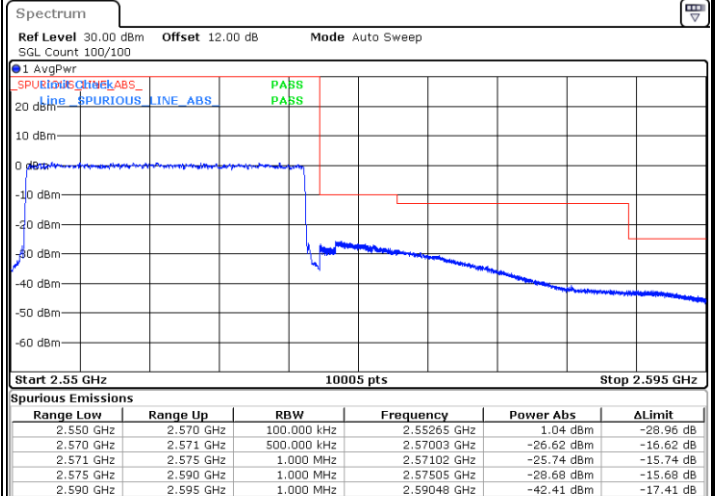
Date: 19.JAN.2022 05:07:10

Lowest Band Edge / Full RB



Date: 19.JAN.2022 05:01:00

Highest Band Edge / Full RB

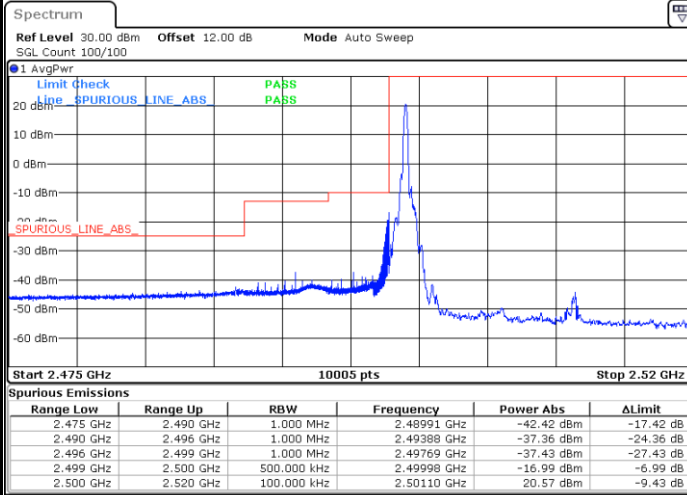


Date: 19.JAN.2022 05:09:11



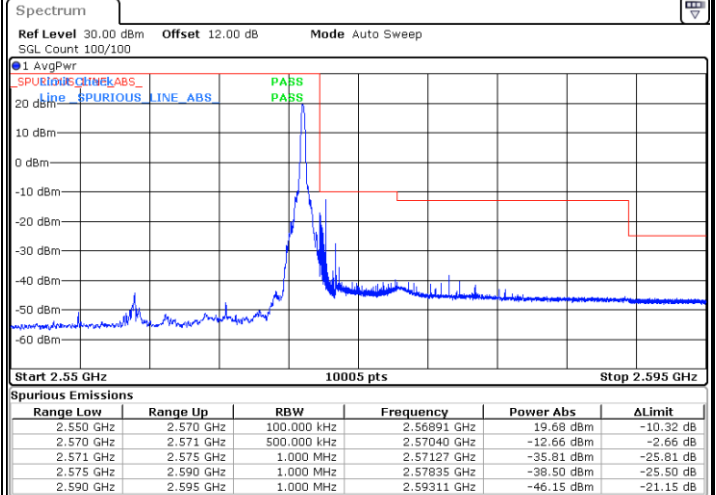
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



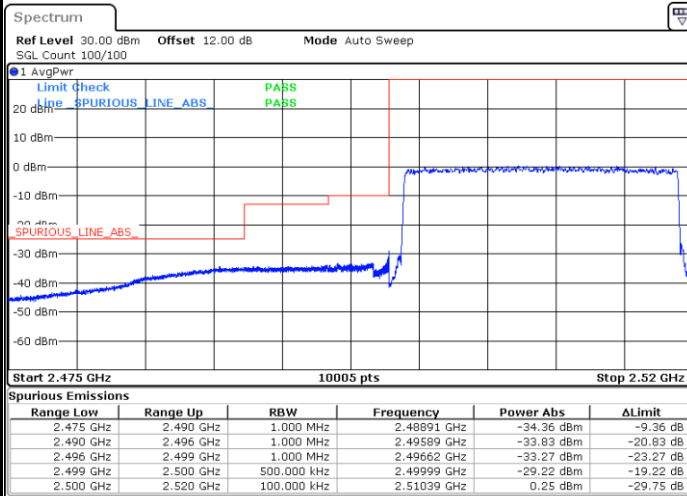
Date: 19.JAN.2022 04:59:45

Highest Band Edge / 1 RB



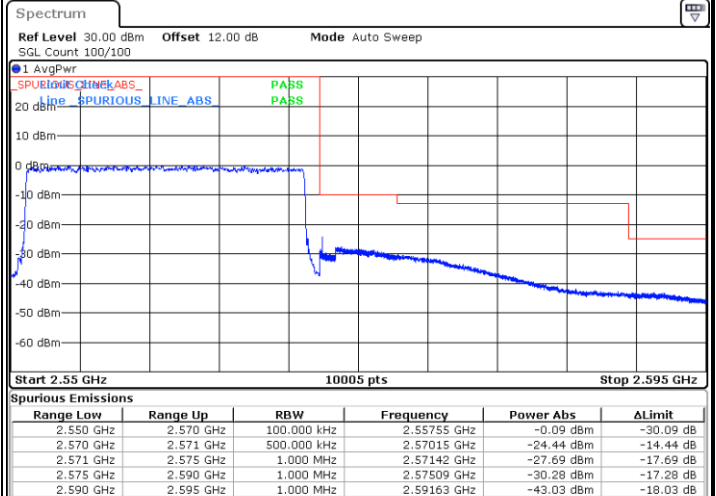
Date: 19.JAN.2022 05:07:50

Lowest Band Edge / Full RB



Date: 19.JAN.2022 05:02:16

Highest Band Edge / Full RB



Date: 19.JAN.2022 05:08:31