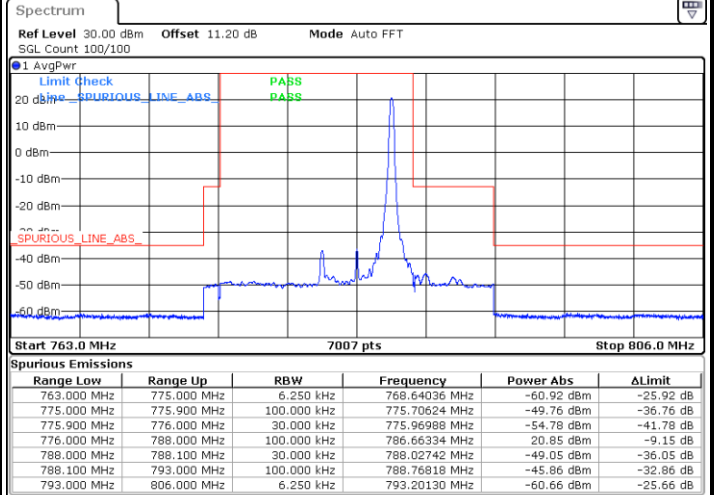
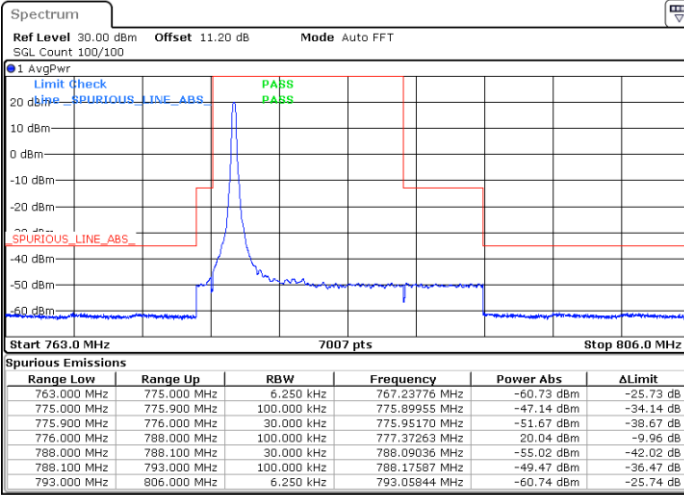




LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

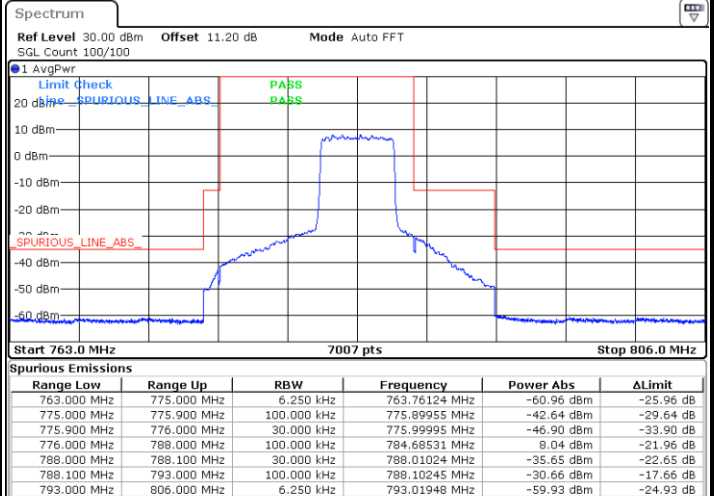
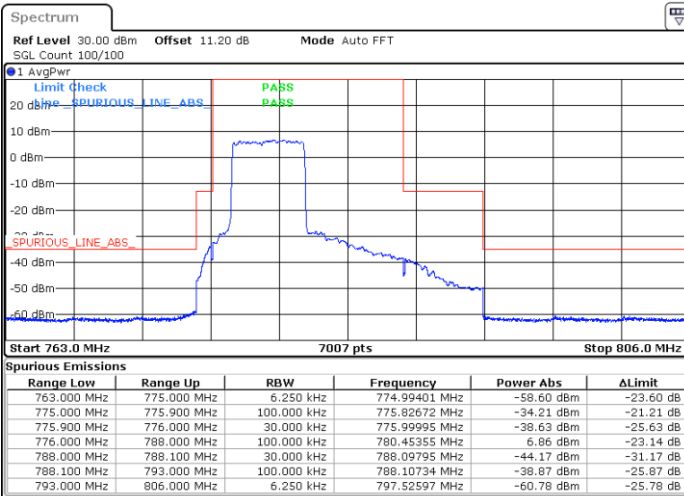


Date: 23 FEB 2021 03:29:00

Date: 23 FEB 2021 21:20:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23 FEB 2021 03:27:07

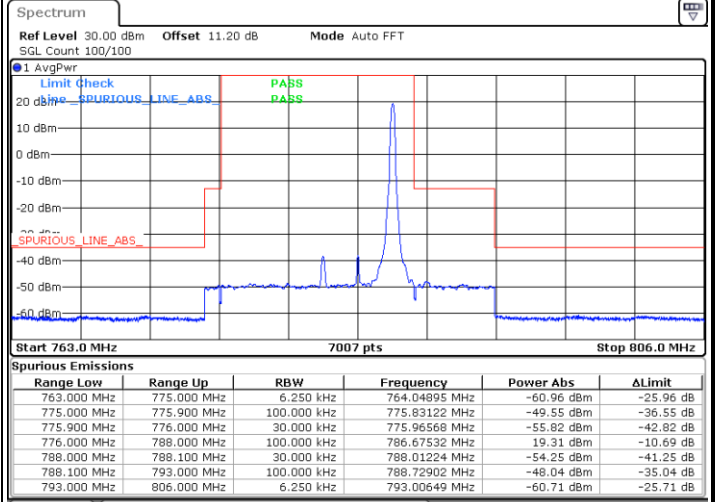
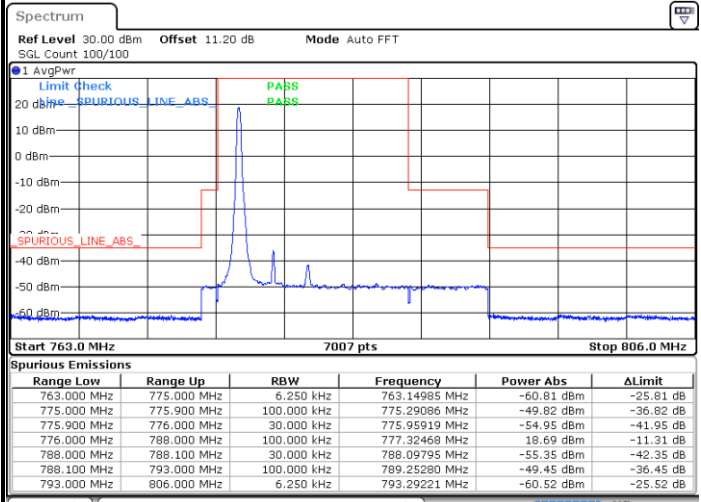
Date: 23 FEB 2021 03:38:41



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

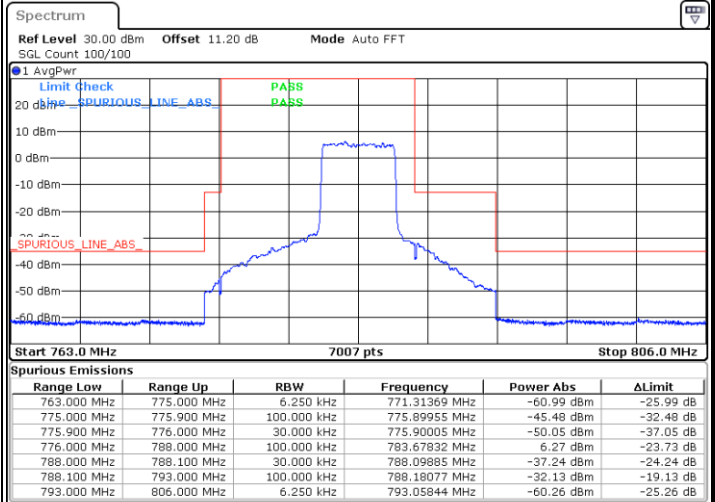
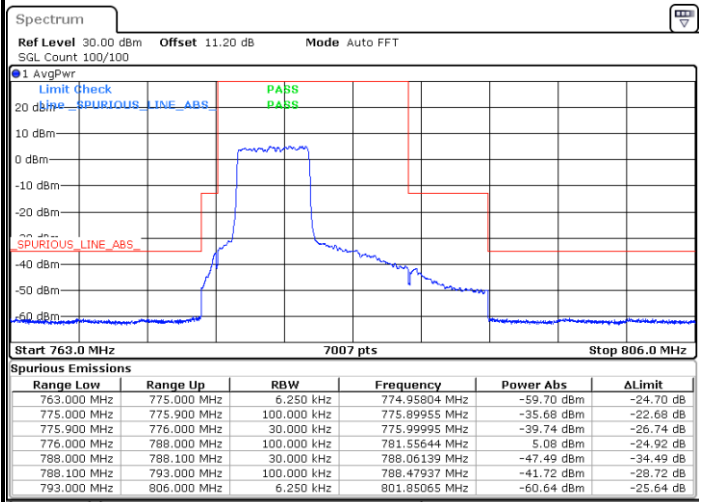


Date: 23 FEB 2021 21:27:16

Date: 23 FEB 2021 21:31:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23 FEB 2021 21:25:24

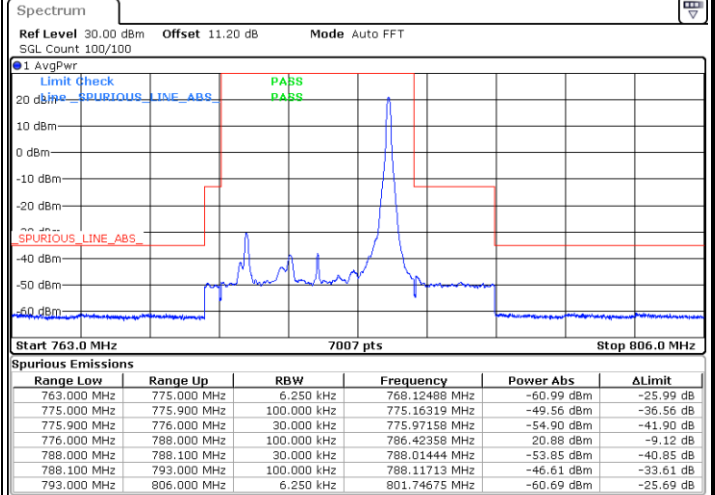
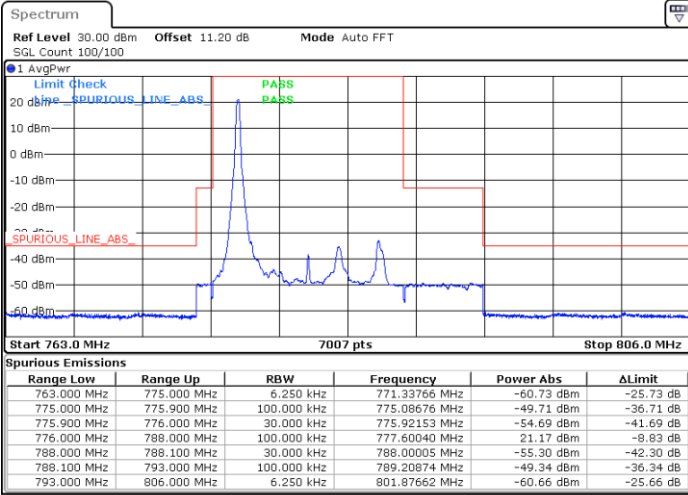
Date: 23 FEB 2021 21:29:49



LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

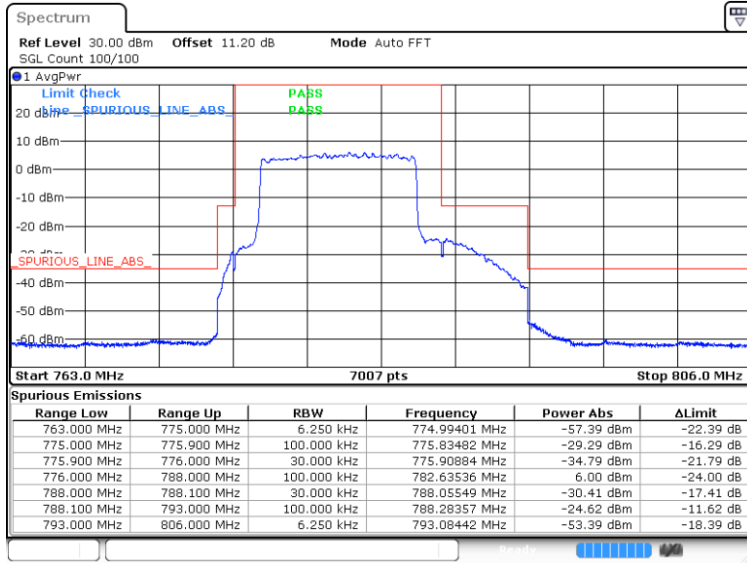
Highest Band Edge / 1 RB



Date: 23.FEB.2021 21:41:08

Date: 23.FEB.2021 21:43:01

Band Edge / Full RB



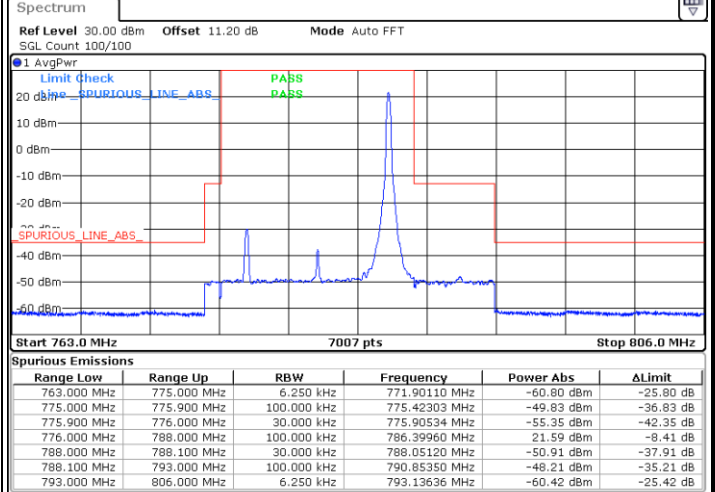
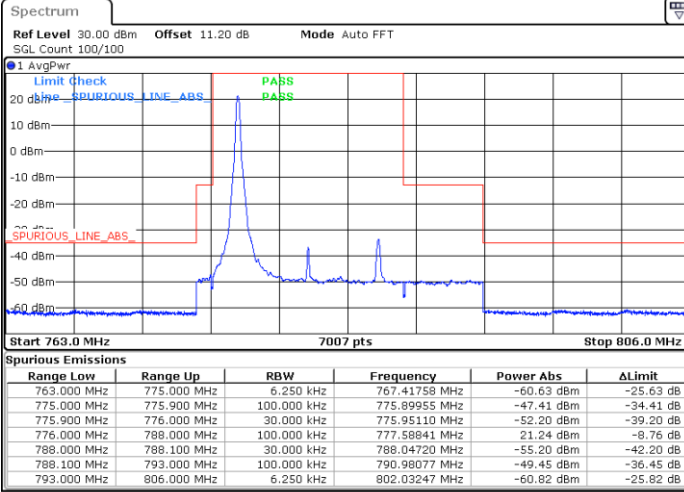
Date: 23.FEB.2021 21:35:31



LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

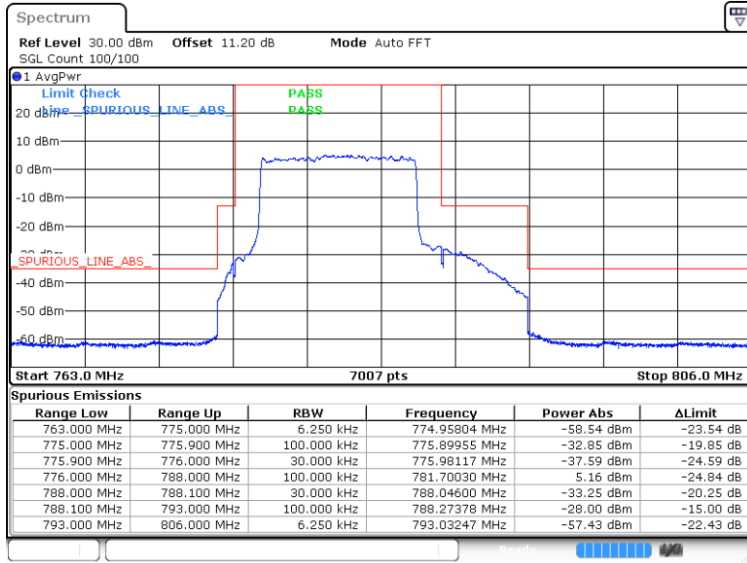
Highest Band Edge / 1 RB



Date: 23.FEB.2021 21:39:16

Date: 23.FEB.2021 21:44:53

Band Edge / Full RB



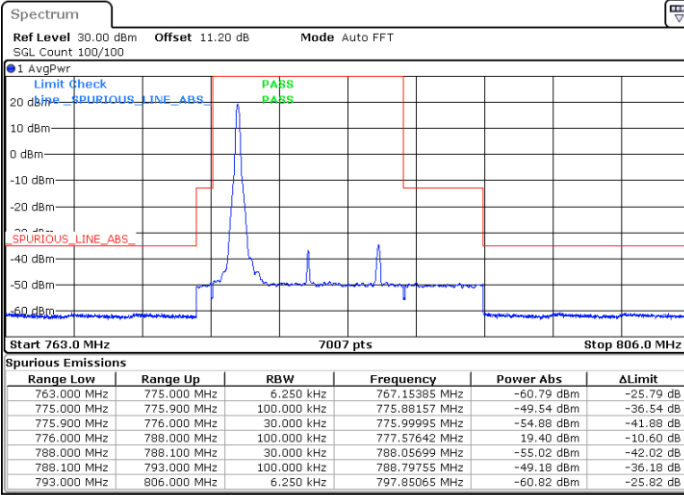
Date: 23.FEB.2021 21:37:23



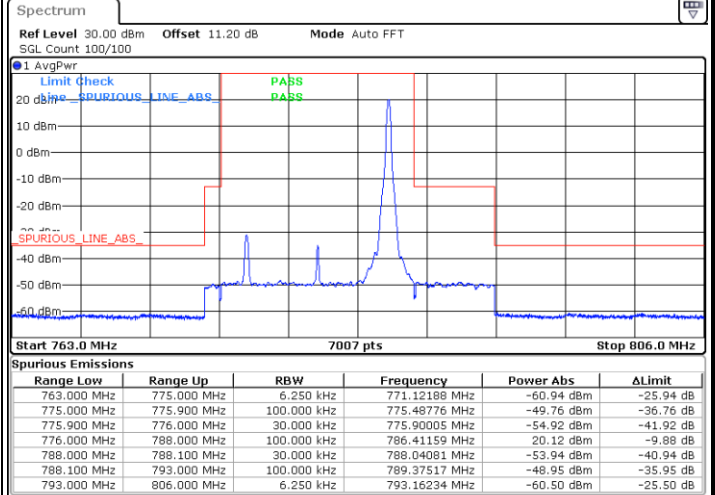
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

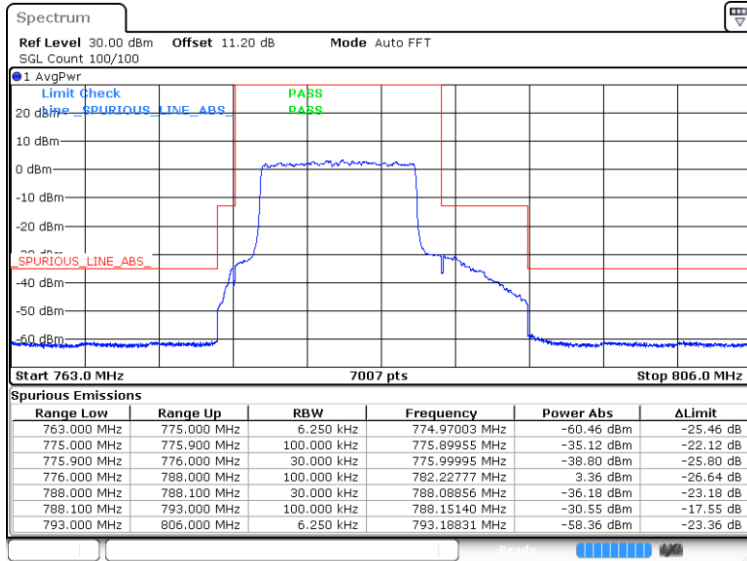


Date: 23.FEB.2021 21:50:31



Date: 23.FEB.2021 21:52:24

Band Edge / Full RB



Date: 23.FEB.2021 21:48:39

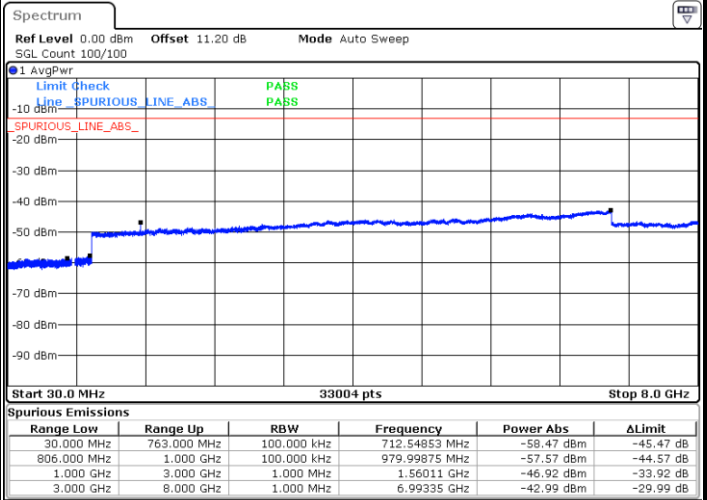
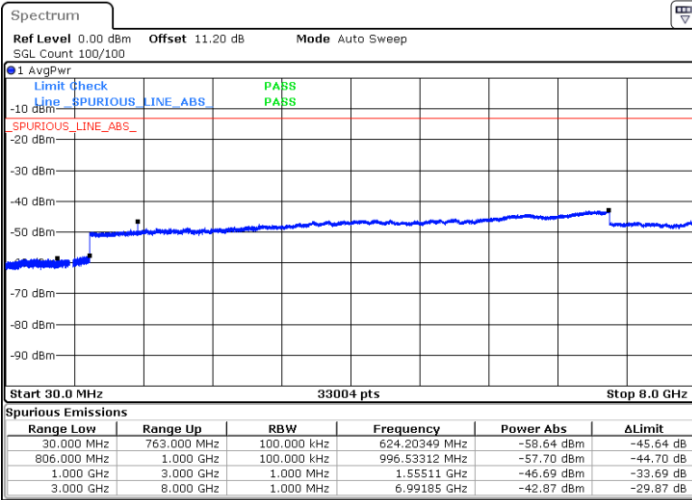


# Conducted Spurious Emission

## LTE Band 13 / 5MHz

### Lowest Channel / QPSK

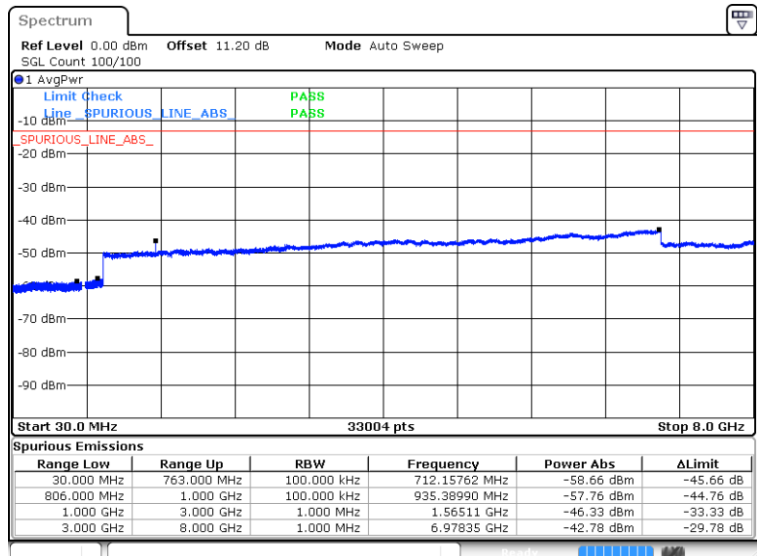
### Middle Channel / QPSK



Date: 23.FEB.2021 03:32:05

Date: 23.FEB.2021 03:33:28

### Highest Channel / QPSK

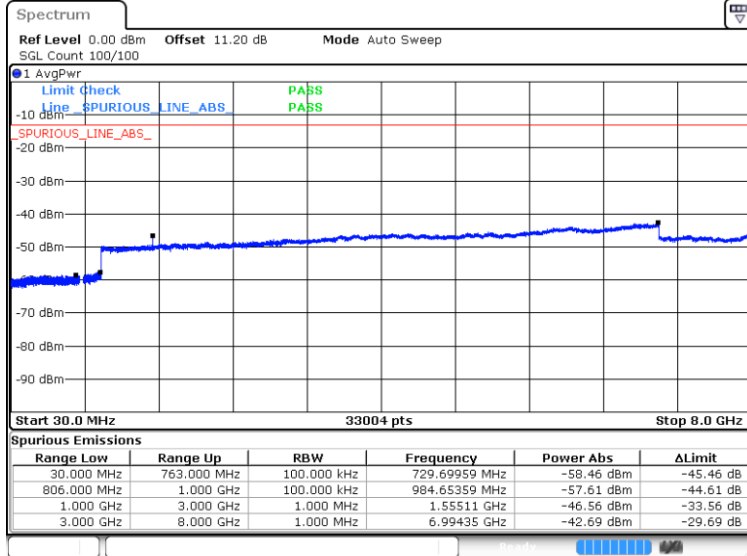


Date: 23.FEB.2021 21:23:30



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 23.FEB.2021 21:46:15



**Frequency Stability**

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0031	PASS
40	Normal Voltage	0.0054	
30	Normal Voltage	0.0113	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0052	
0	Normal Voltage	0.0040	
-10	Normal Voltage	0.0073	
-20	Normal Voltage	0.0065	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0061	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

**Note:**

- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.

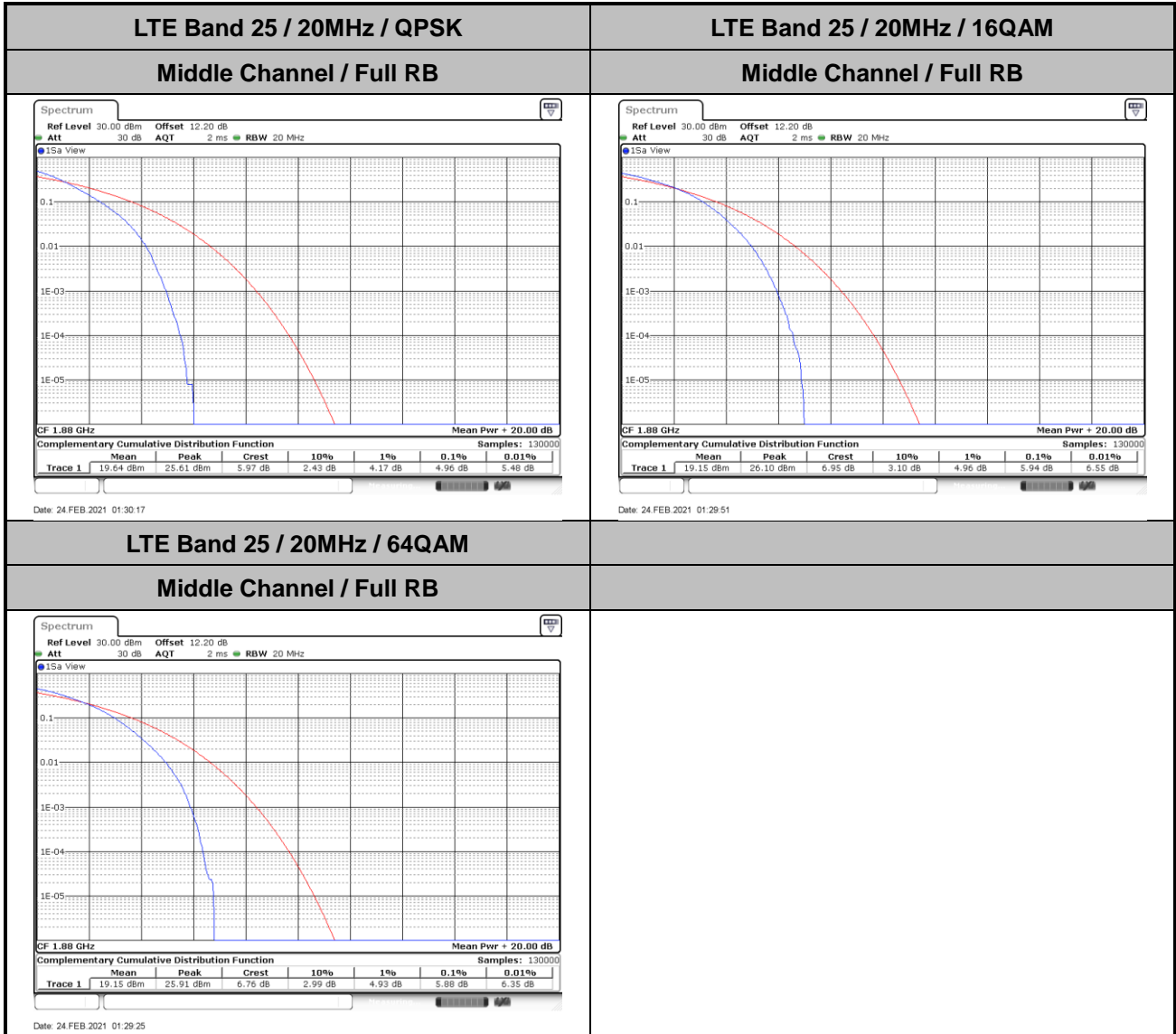




## LTE Band 25

### Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.96	5.94	5.88	-	PASS





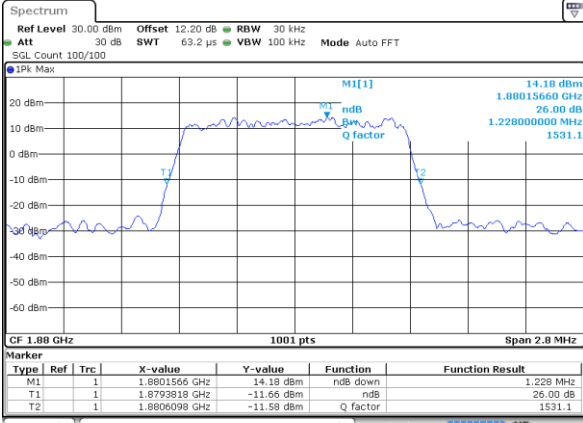
**26dB Bandwidth**

Mode	LTE Band 25 : 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	1.23	1.23	3.03	3.03	4.91	4.90	9.69	9.93	14.33	14.39	19.06	18.74
Mode	LTE Band 25 : 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	1.23	-	2.99	-	4.83	-	9.75	-	14.42	-	19.22	-



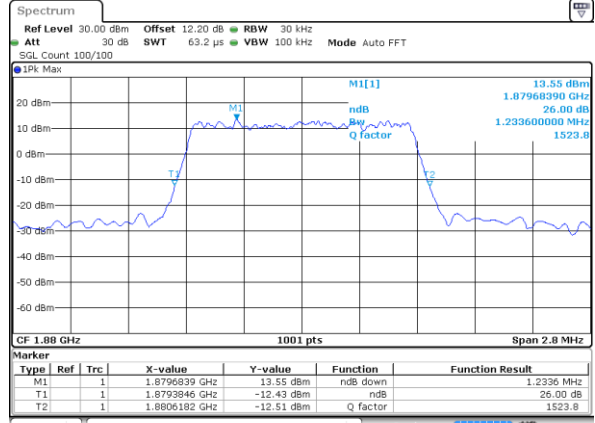
LTE Band 25

Middle Channel / 1.4MHz / QPSK



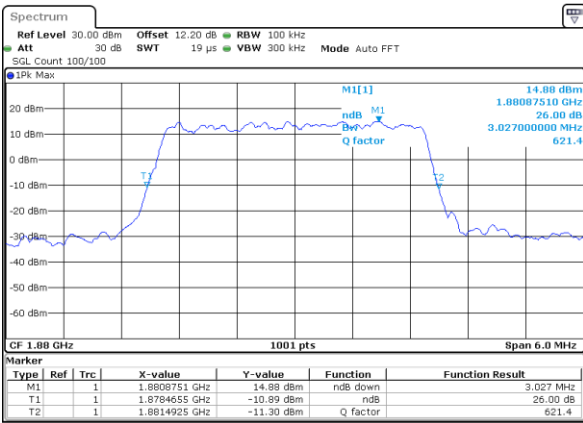
Date: 23 FEB 2021 23:44:48

Middle Channel / 1.4MHz / 16QAM



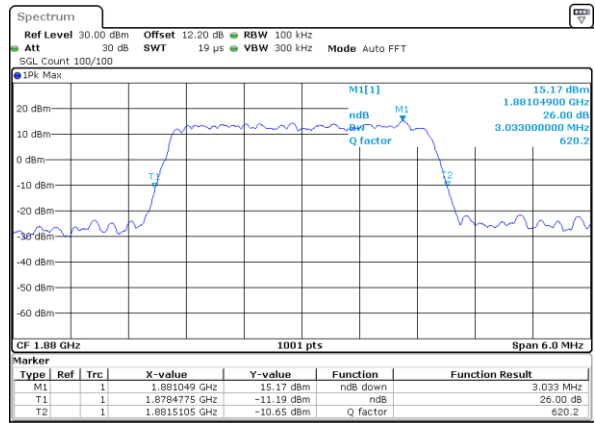
Date: 23 FEB 2021 23:45:11

Middle Channel / 3MHz / QPSK



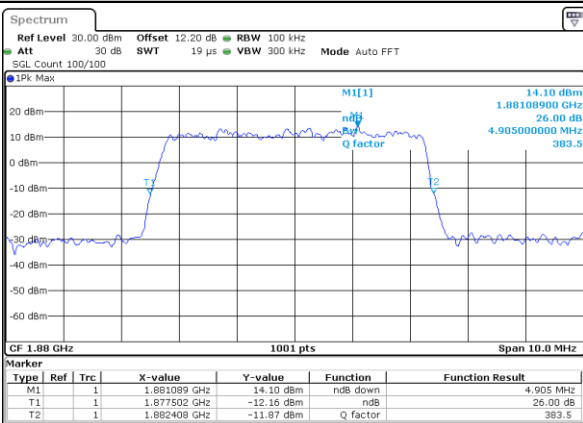
Date: 24 FEB 2021 00:08:26

Middle Channel / 3MHz / 16QAM



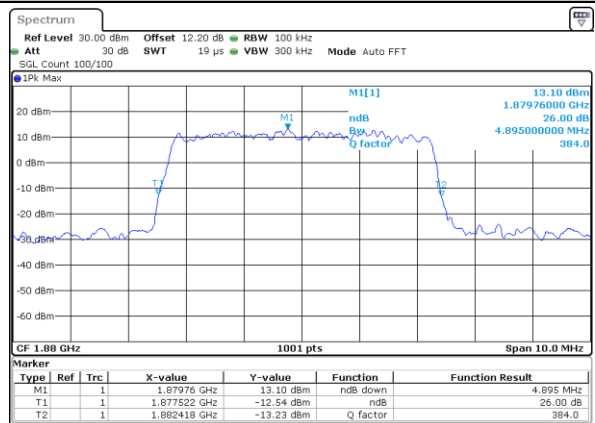
Date: 24 FEB 2021 00:08:49

Middle Channel / 5MHz / QPSK



Date: 24 FEB 2021 00:21:41

Middle Channel / 5MHz / 16QAM

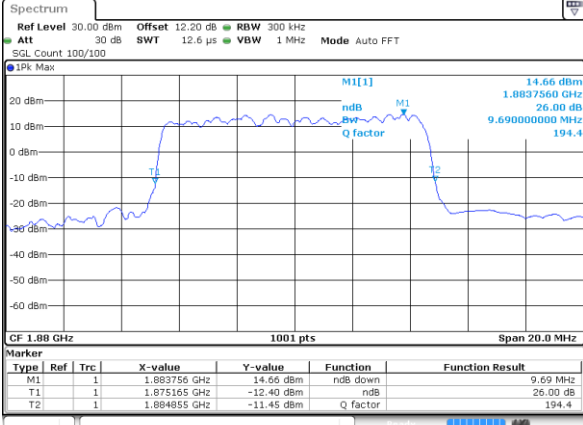


Date: 24 FEB 2021 00:22:04



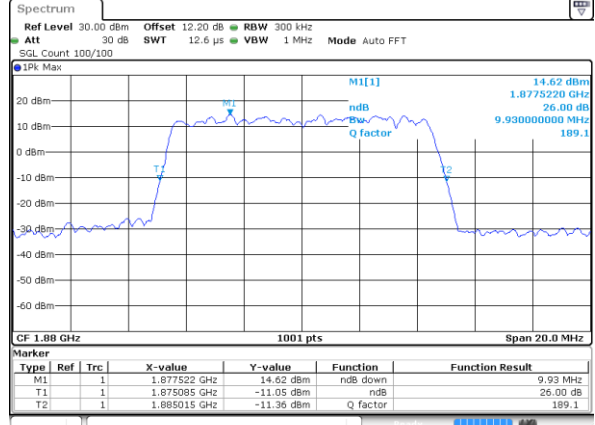
LTE Band 25

Middle Channel / 10MHz / QPSK



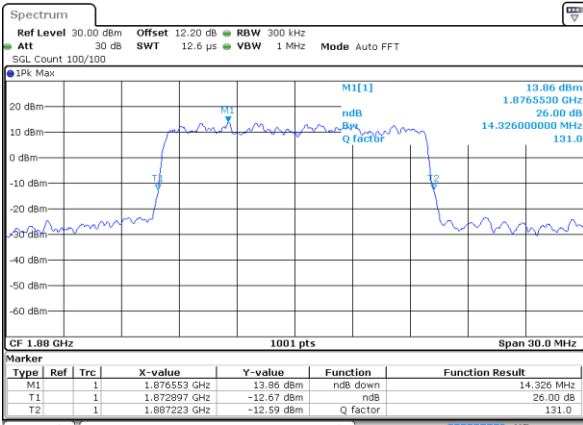
Date: 24 FEB 2021 00:38:53

Middle Channel / 10MHz / 16QAM



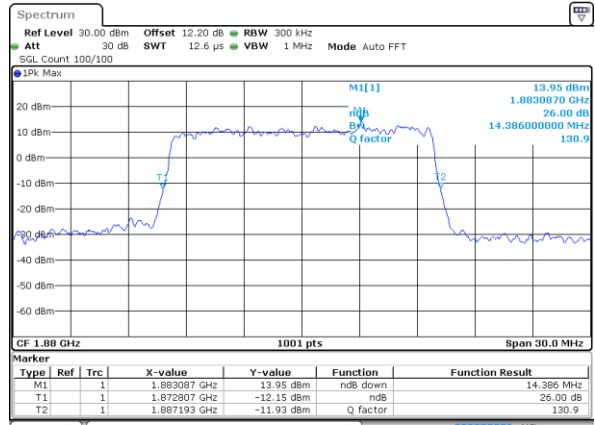
Date: 24 FEB 2021 00:39:17

Middle Channel / 15MHz / QPSK



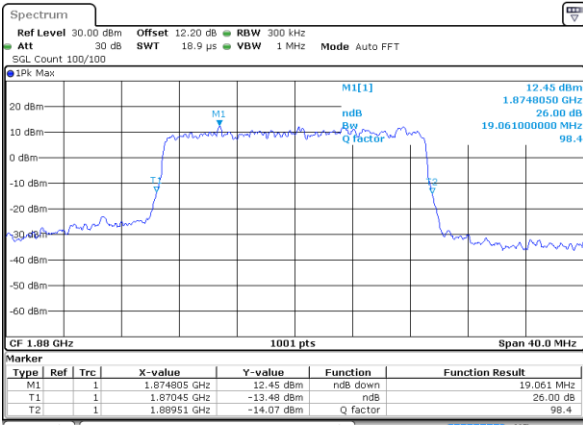
Date: 24 FEB 2021 01:02:29

Middle Channel / 15MHz / 16QAM



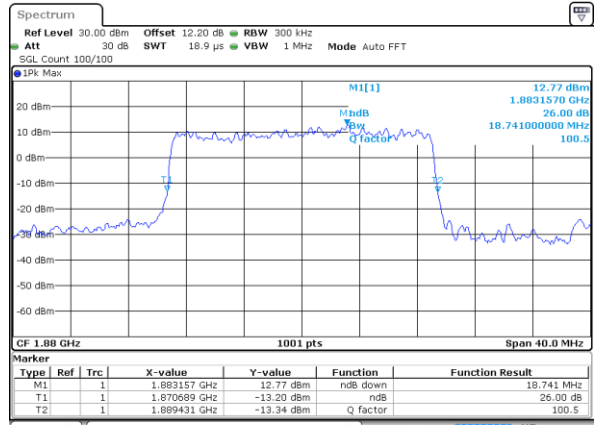
Date: 24 FEB 2021 01:02:52

Middle Channel / 20MHz / QPSK



Date: 24 FEB 2021 01:20:14

Middle Channel / 20MHz / 16QAM

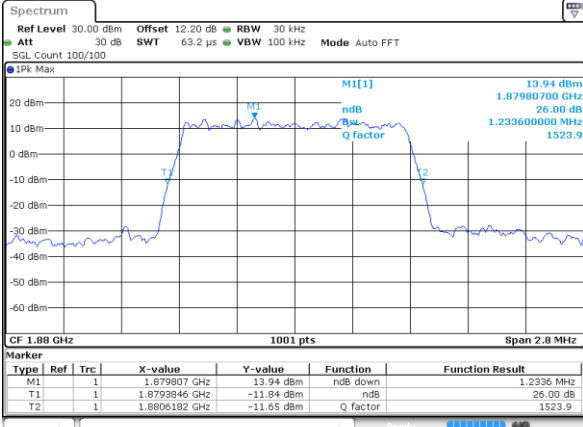


Date: 24 FEB 2021 01:20:37



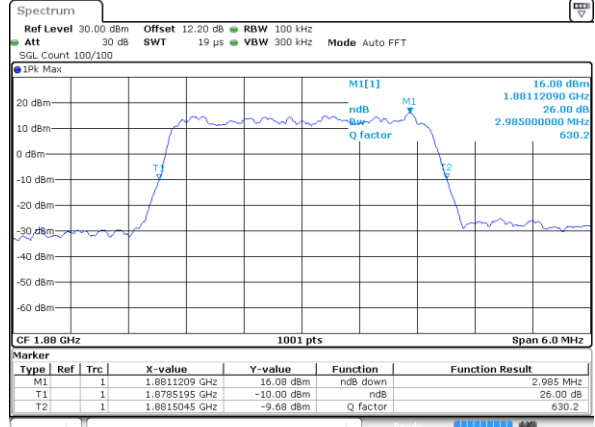
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



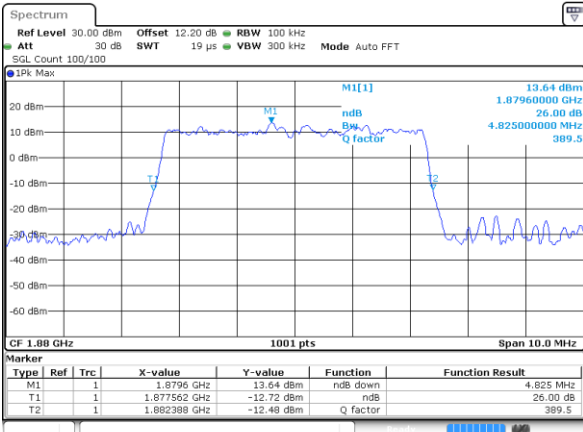
Date: 23 FEB 2021 23:52:21

Middle Channel / 3MHz / 64QAM



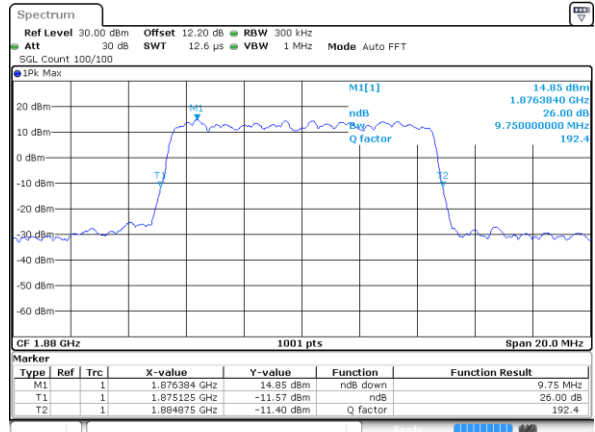
Date: 24 FEB 2021 00:02:04

Middle Channel / 5MHz / 64QAM



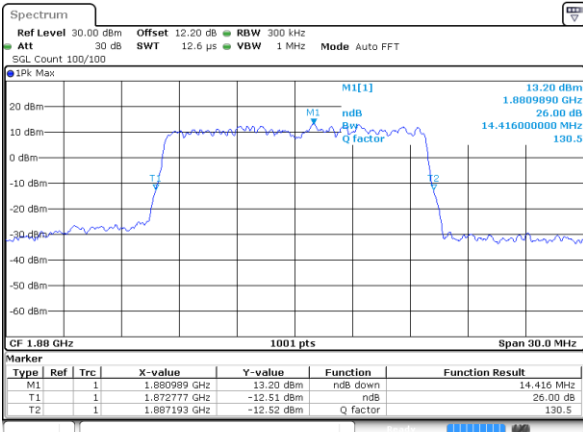
Date: 24 FEB 2021 00:29:14

Middle Channel / 10MHz / 64QAM



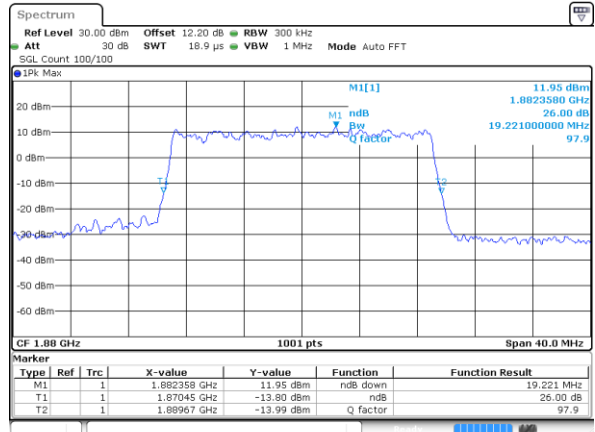
Date: 24 FEB 2021 00:48:27

Middle Channel / 15MHz / 64QAM



Date: 24 FEB 2021 00:56:09

Middle Channel / 20MHz / 64QAM



Date: 24 FEB 2021 01:27:46



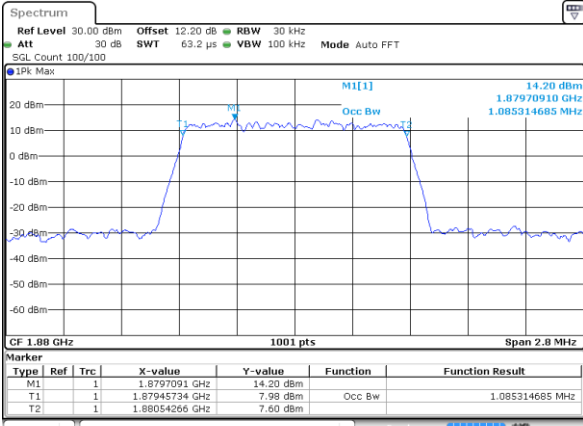
**Occupied Bandwidth**

Mode	LTE Band 25 : 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	1.09	1.10	2.71	2.75	4.49	4.48	9.01	8.97	13.49	13.40	17.82	17.82
Mode	LTE Band 25 : 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	1.09	-	2.72	-	4.48	-	9.03	-	13.49	-	17.90	-



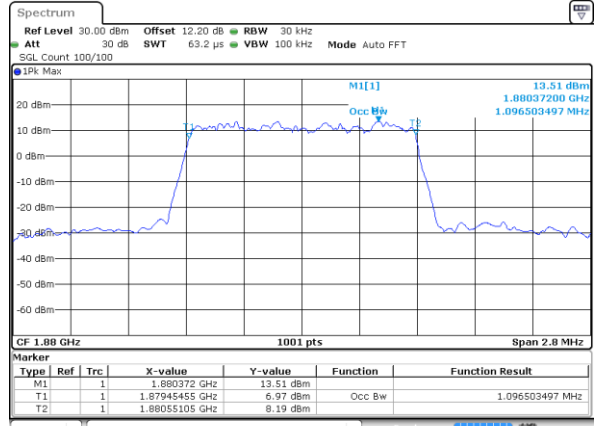
LTE Band 25

Middle Channel / 1.4MHz / QPSK



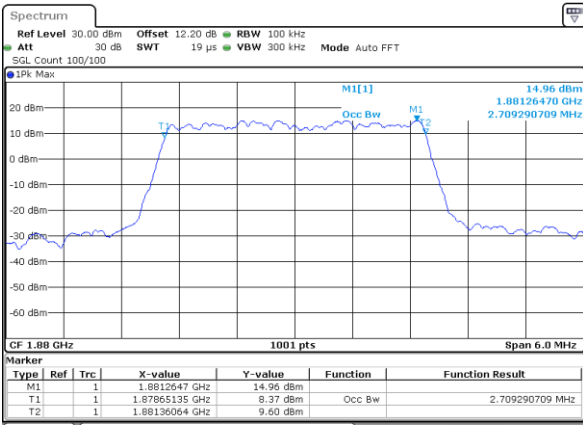
Date: 23 FEB 2021 23:43:58

Middle Channel / 1.4MHz / 16QAM



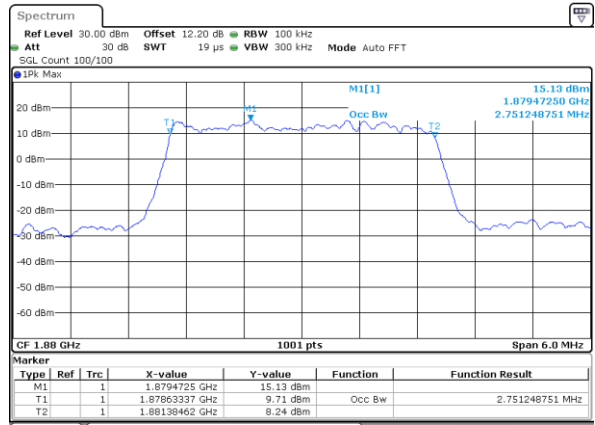
Date: 23 FEB 2021 23:44:23

Middle Channel / 3MHz / QPSK



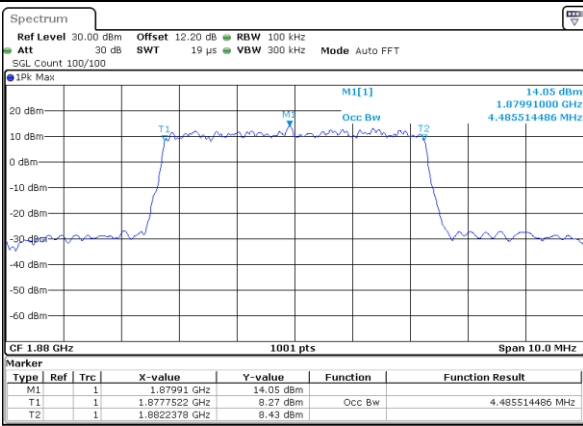
Date: 24 FEB 2021 00:07:36

Middle Channel / 3MHz / 16QAM



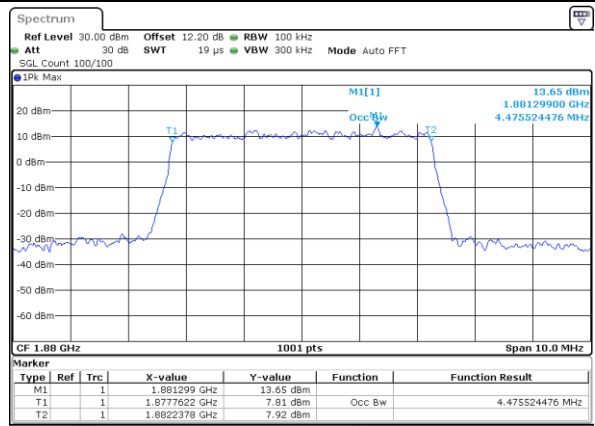
Date: 24 FEB 2021 00:08:01

Middle Channel / 5MHz / QPSK



Date: 24 FEB 2021 00:20:51

Middle Channel / 5MHz / 16QAM



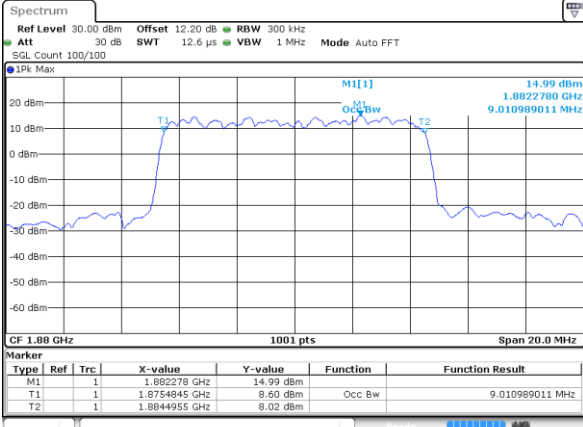
Date: 24 FEB 2021 00:21:16





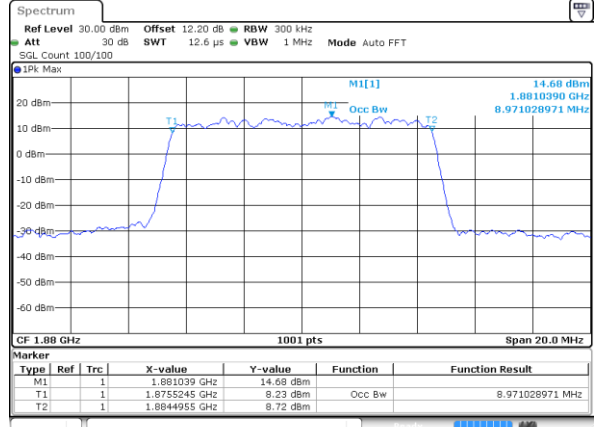
LTE Band 25

Middle Channel / 10MHz / QPSK



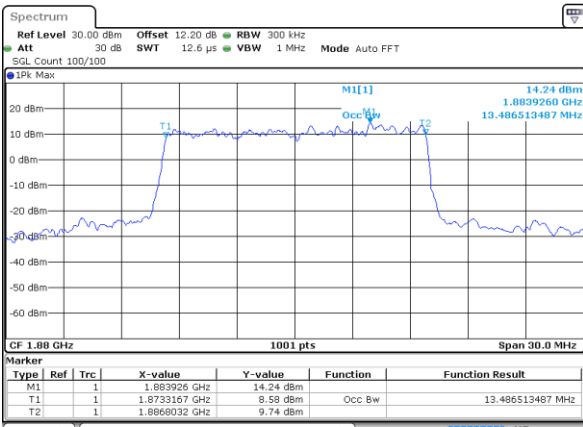
Date: 24 FEB 2021 00:38:04

Middle Channel / 10MHz / 16QAM



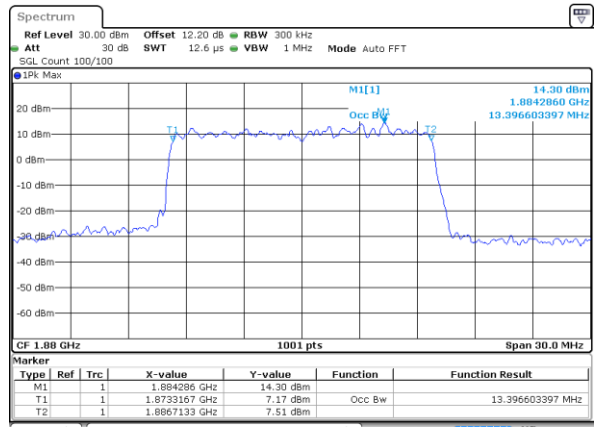
Date: 24 FEB 2021 00:38:29

Middle Channel / 15MHz / QPSK



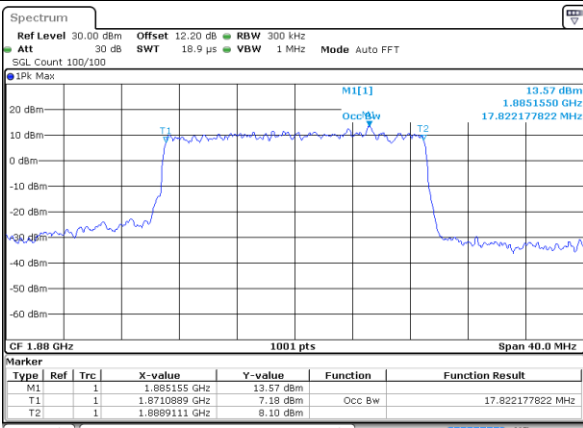
Date: 24 FEB 2021 01:01:39

Middle Channel / 15MHz / 16QAM



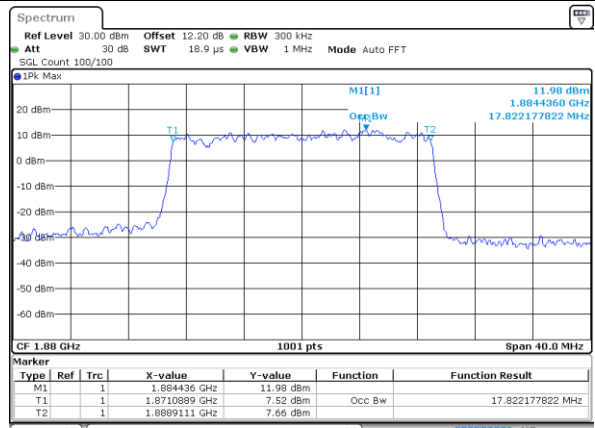
Date: 24 FEB 2021 01:02:04

Middle Channel / 20MHz / QPSK



Date: 24 FEB 2021 01:19:24

Middle Channel / 20MHz / 16QAM

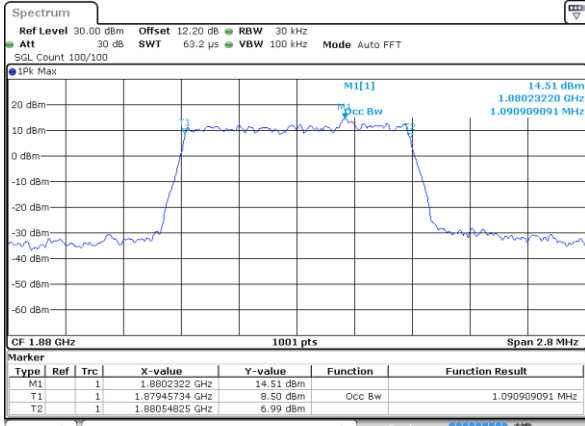


Date: 24 FEB 2021 01:19:49



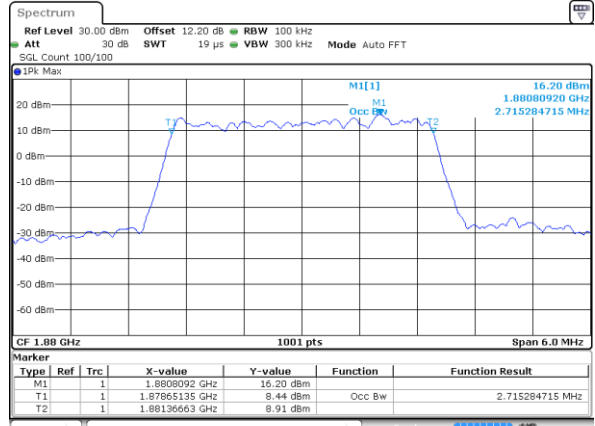
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



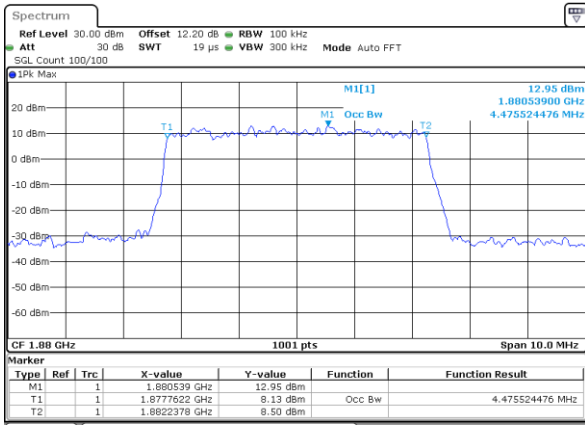
Date: 23 FEB 2021 23:52:05

Middle Channel / 3MHz / 64QAM



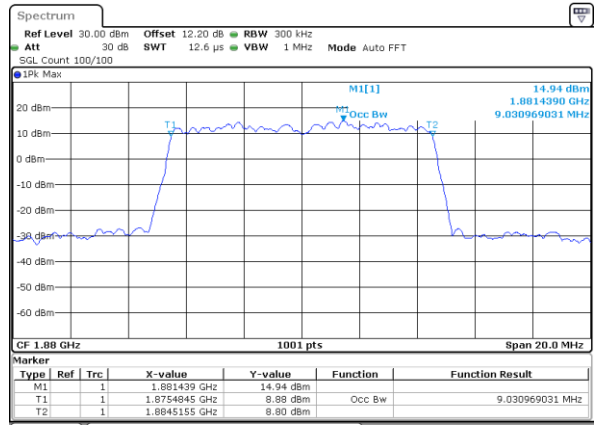
Date: 24 FEB 2021 00:01:48

Middle Channel / 5MHz / 64QAM



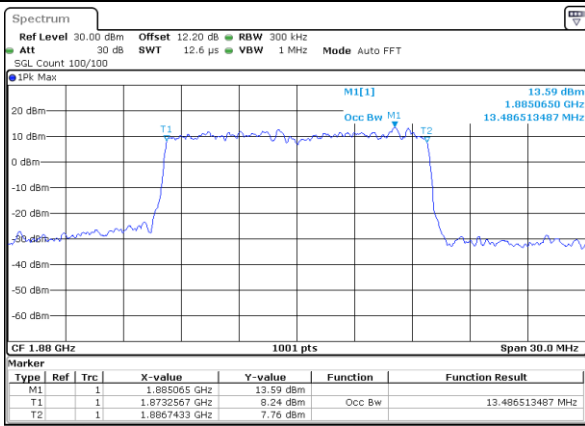
Date: 24 FEB 2021 00:28:58

Middle Channel / 10MHz / 64QAM



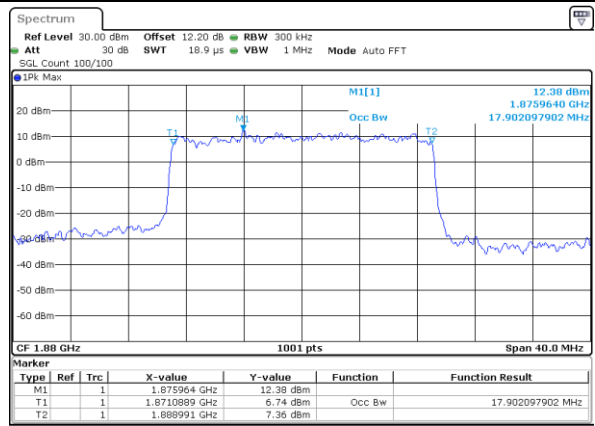
Date: 24 FEB 2021 00:48:10

Middle Channel / 15MHz / 64QAM



Date: 24 FEB 2021 00:55:53

Middle Channel / 20MHz / 64QAM



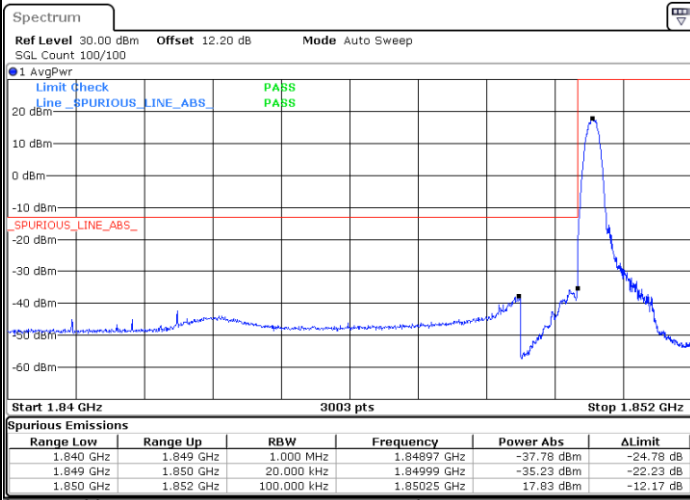
Date: 24 FEB 2021 01:27:30



# Conducted Band Edge

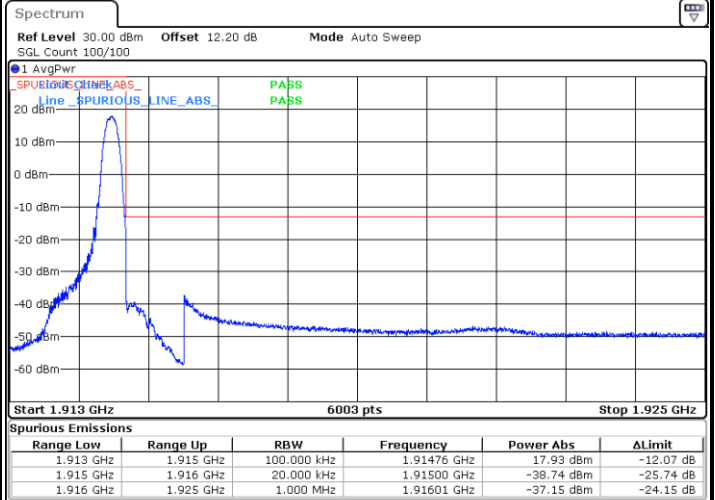
## LTE Band 25 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB



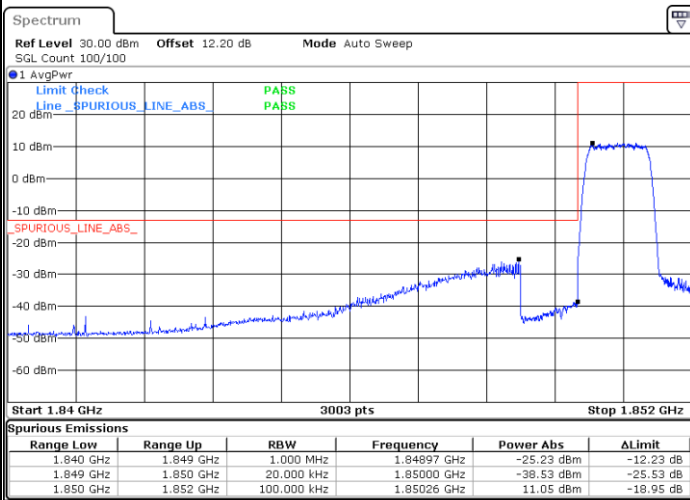
Date: 23 FEB 2021 23:40:20

### Highest Band Edge / 1RB



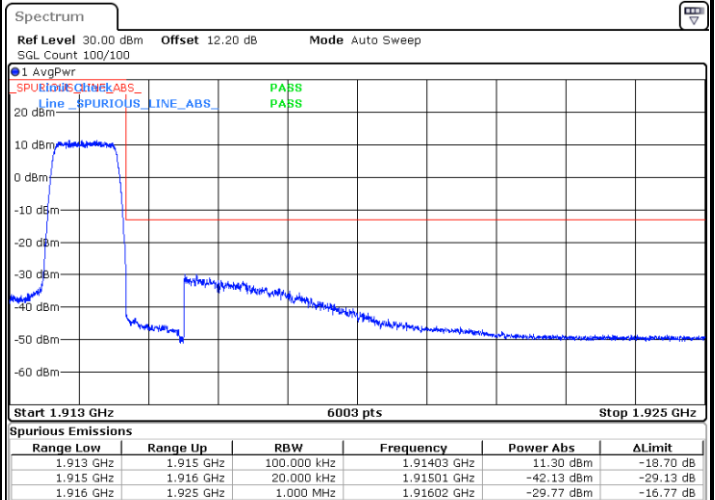
Date: 23 FEB 2021 23:49:04

### Lowest Band Edge / Full RB



Date: 23 FEB 2021 23:41:35

### Highest Band Edge / Full RB

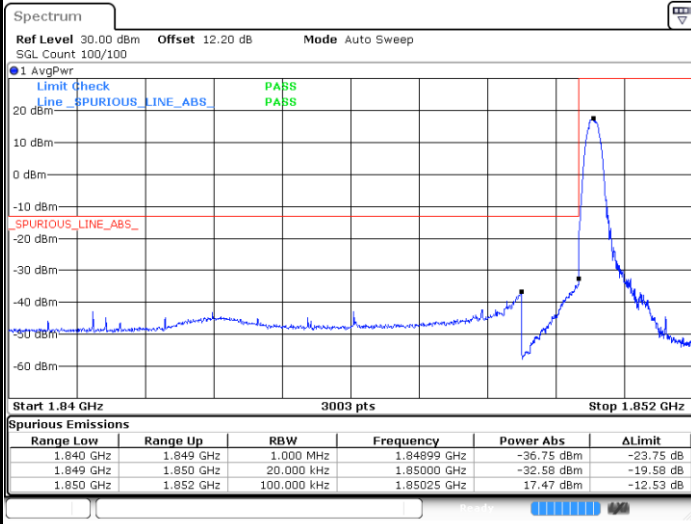


Date: 23 FEB 2021 23:47:12



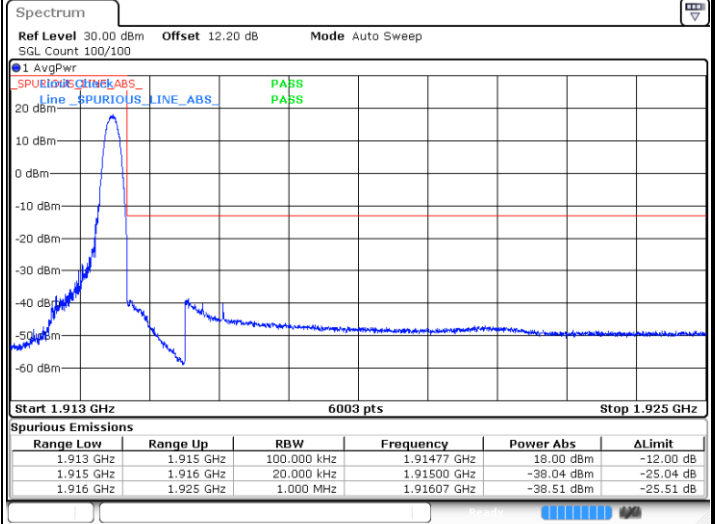
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



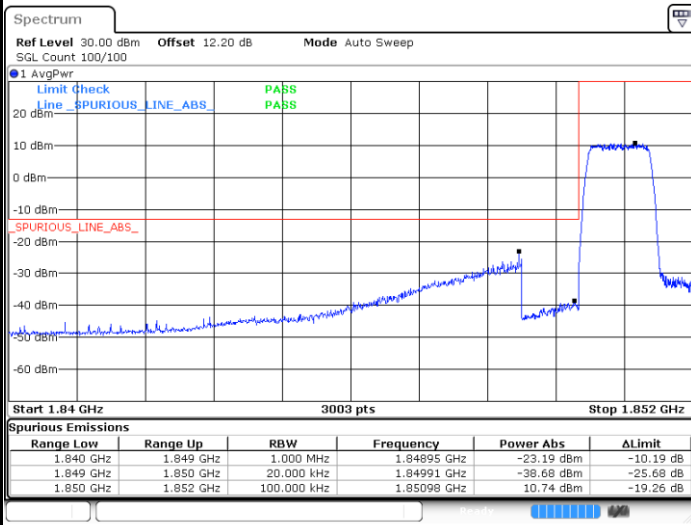
Date: 23 FEB 2021 23:40:57

Highest Band Edge / 1 RB



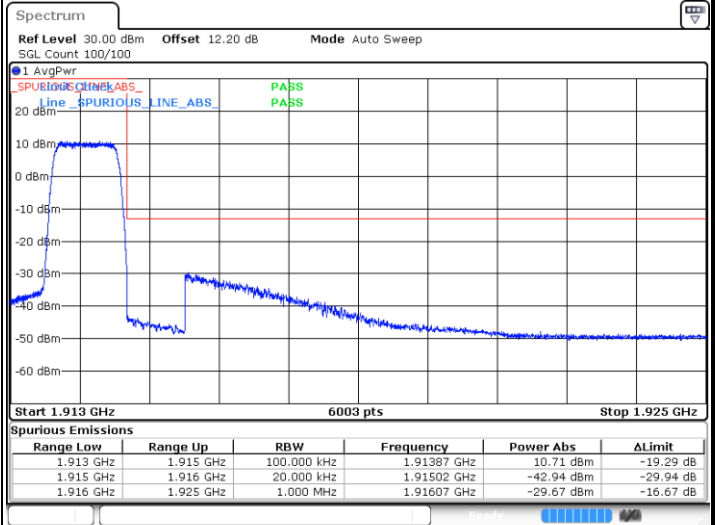
Date: 23 FEB 2021 23:48:27

Lowest Band Edge / Full RB



Date: 23 FEB 2021 23:42:12

Highest Band Edge / Full RB

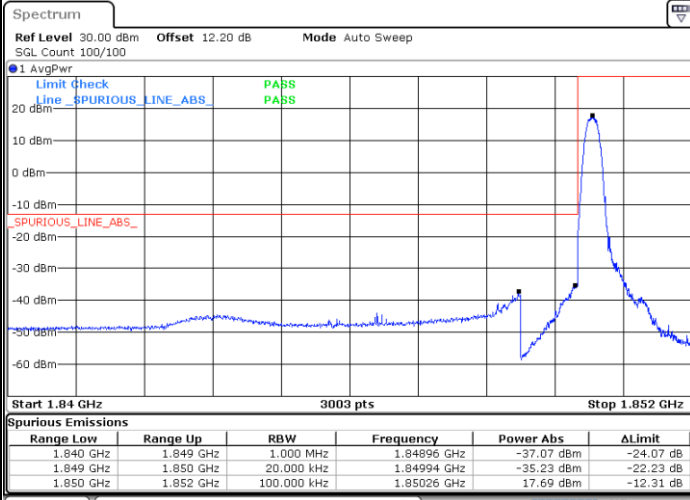


Date: 23 FEB 2021 23:47:49



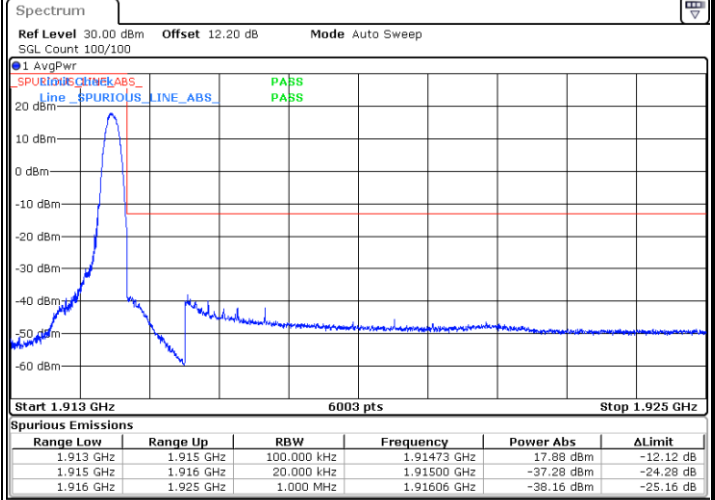
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



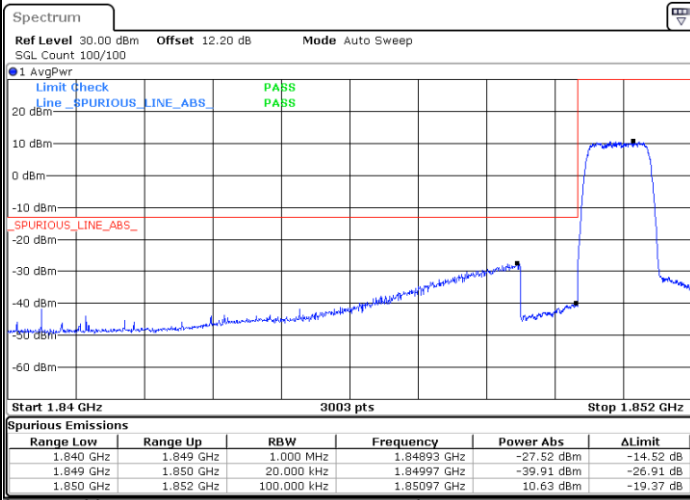
Date: 23 FEB 2021 23:51:04

Highest Band Edge / 1 RB



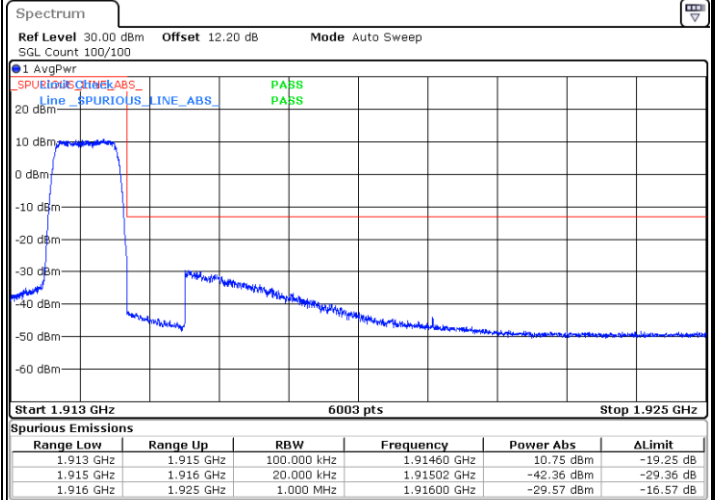
Date: 23 FEB 2021 23:53:37

Lowest Band Edge / Full RB



Date: 23 FEB 2021 23:51:42

Highest Band Edge / Full RB

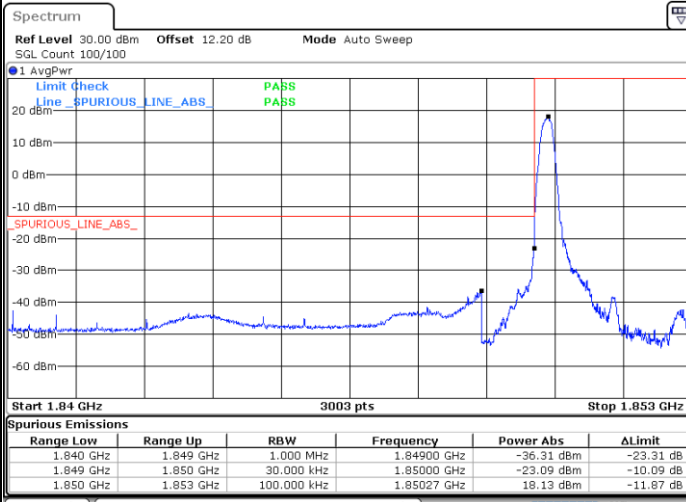


Date: 23 FEB 2021 23:52:59



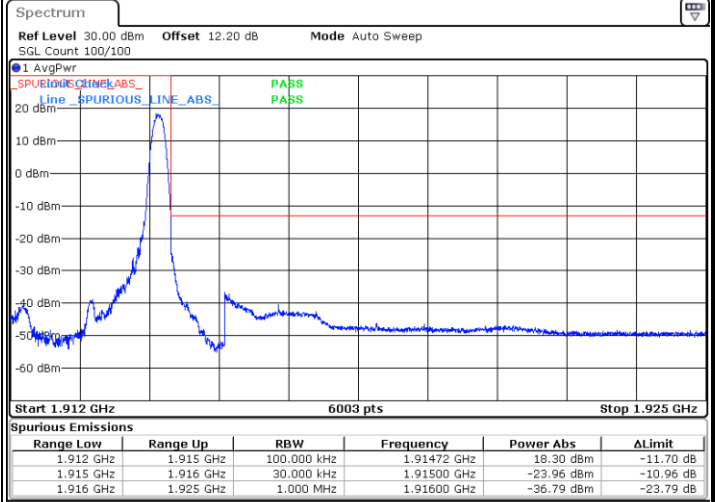
LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / 1RB



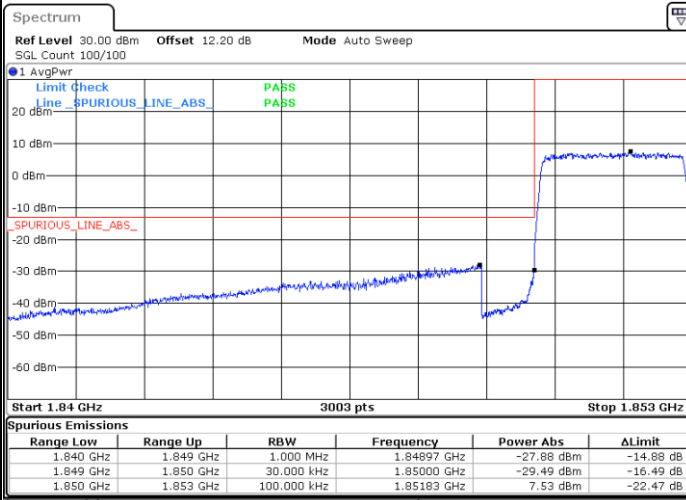
Date: 24 FEB 2021 00:03:58

Highest Band Edge / 1 RB



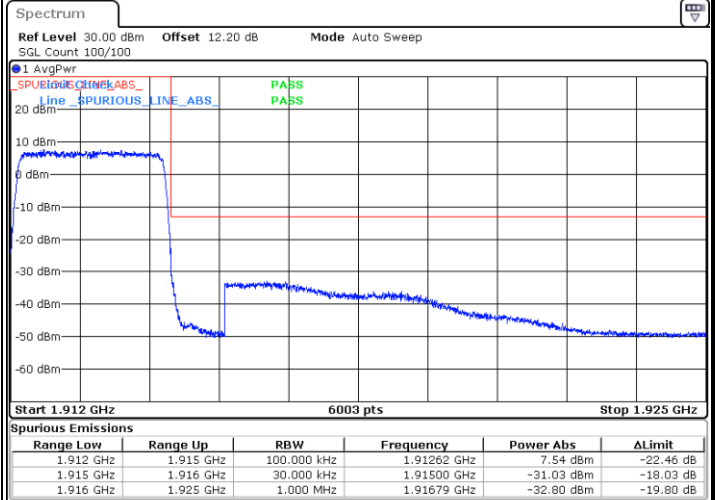
Date: 24 FEB 2021 00:12:42

Lowest Band Edge / Full RB



Date: 24 FEB 2021 00:05:12

Highest Band Edge / Full RB

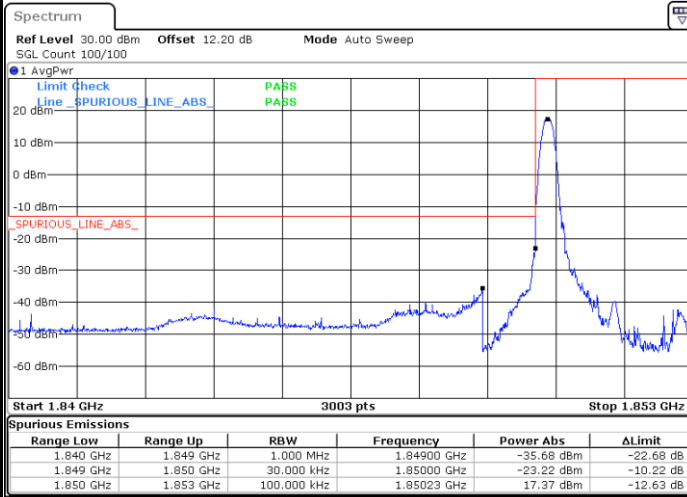


Date: 24 FEB 2021 00:10:50



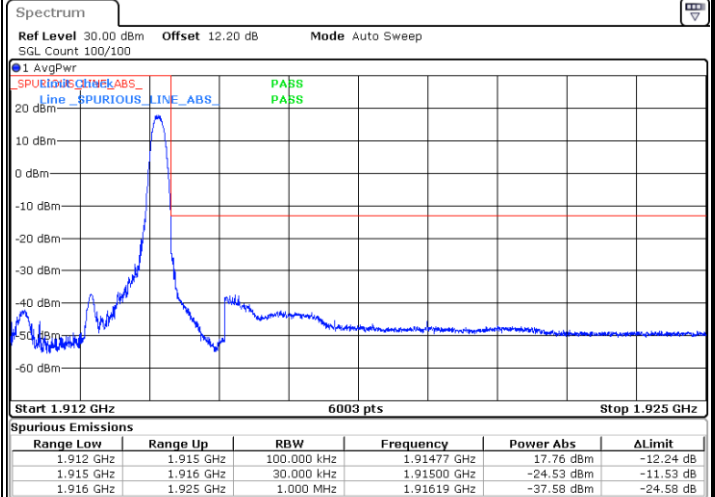
LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



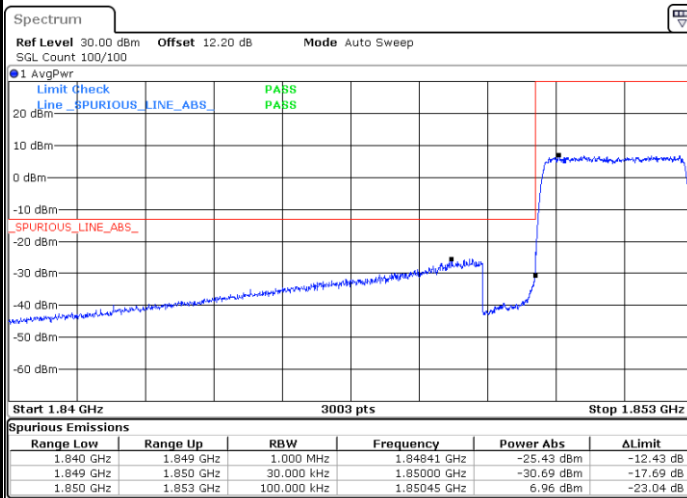
Date: 24 FEB 2021 00:04:35

Highest Band Edge / 1 RB



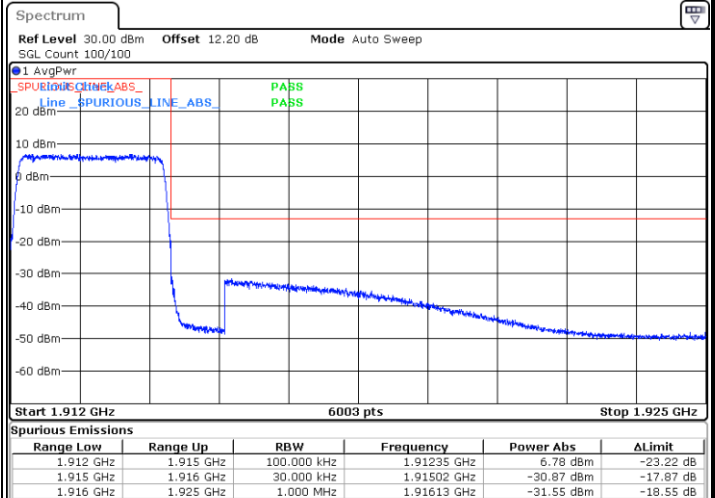
Date: 24 FEB 2021 00:10:24

Lowest Band Edge / Full RB



Date: 24 FEB 2021 00:05:50

Highest Band Edge / Full RB

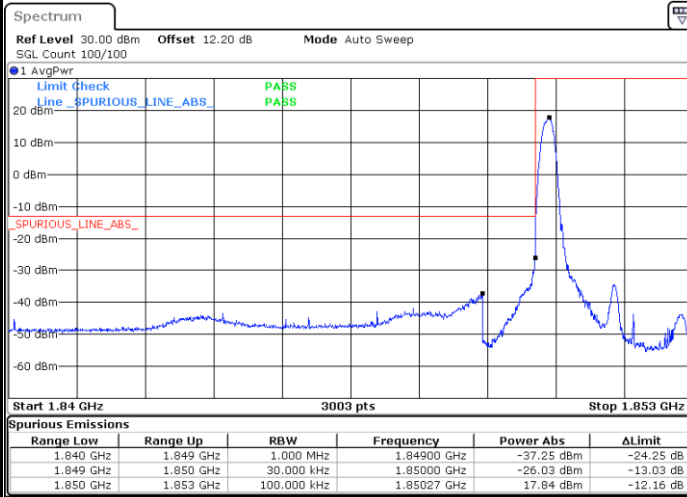


Date: 24 FEB 2021 00:11:27



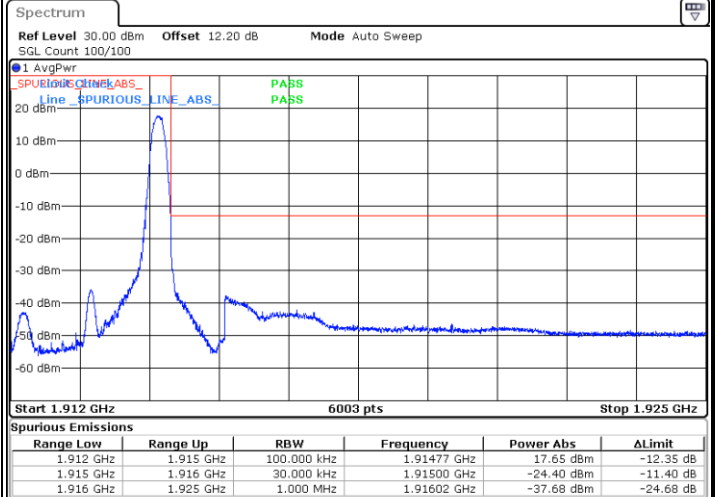
LTE Band 25 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



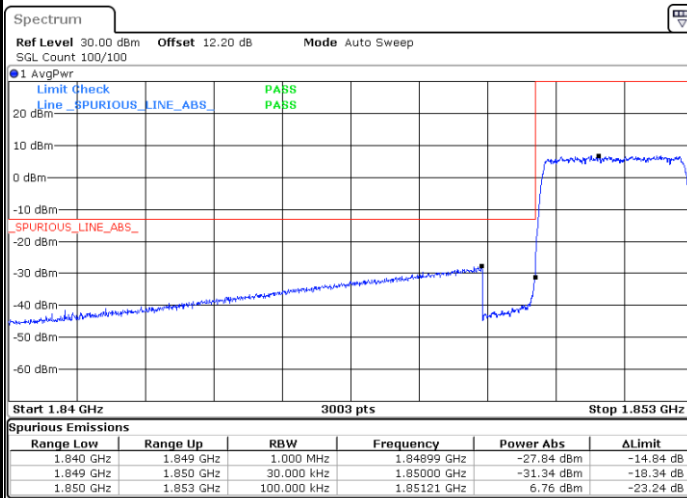
Date: 24 FEB 2021 00:00:47

Highest Band Edge / 1 RB



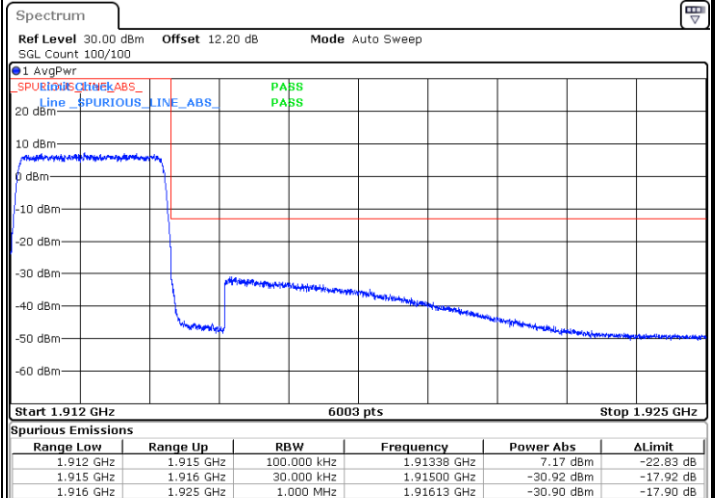
Date: 24 FEB 2021 00:03:20

Lowest Band Edge / Full RB



Date: 24 FEB 2021 00:01:25

Highest Band Edge / Full RB



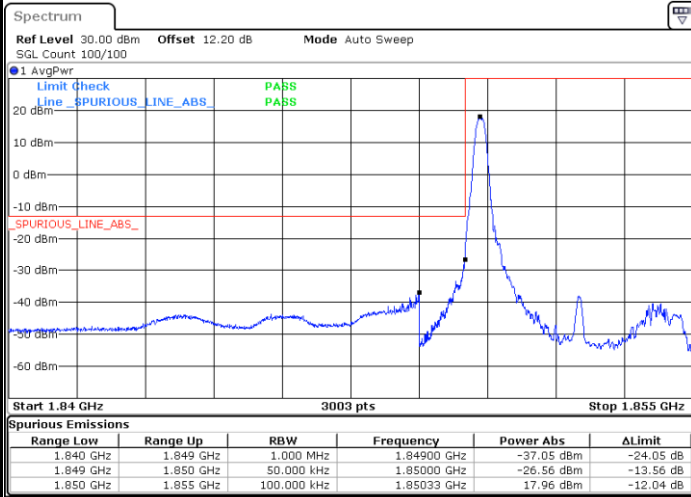
Date: 24 FEB 2021 00:02:42





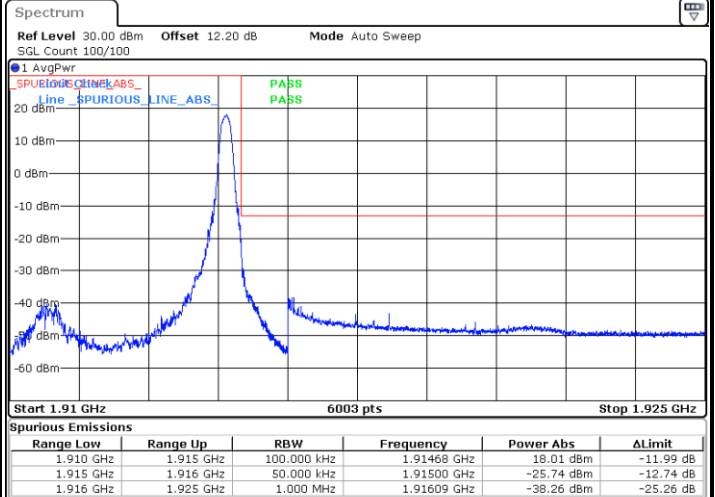
LTE Band 25 / 5MHz / QPSK

Lowest Band Edge / 1 RB



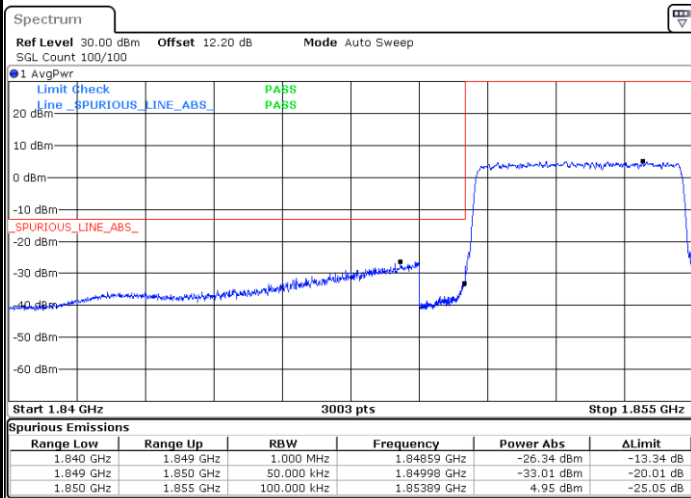
Date: 24 FEB 2021 00:17:13

Highest Band Edge / 1 RB



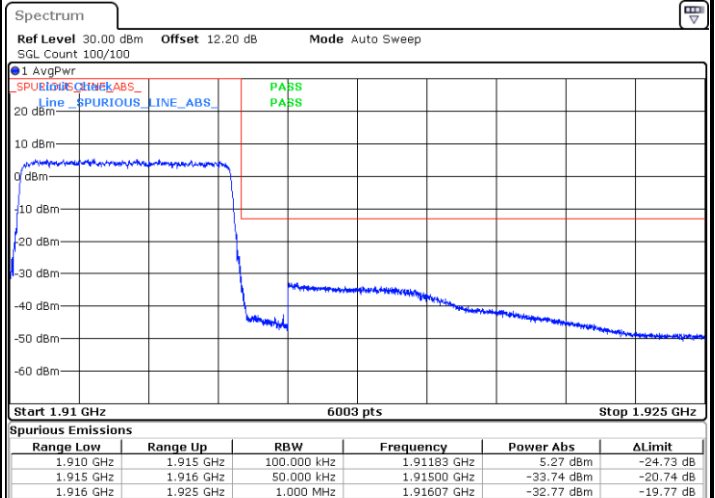
Date: 24 FEB 2021 00:25:57

Lowest Band Edge / Full RB



Date: 24 FEB 2021 00:18:28

Highest Band Edge / Full RB

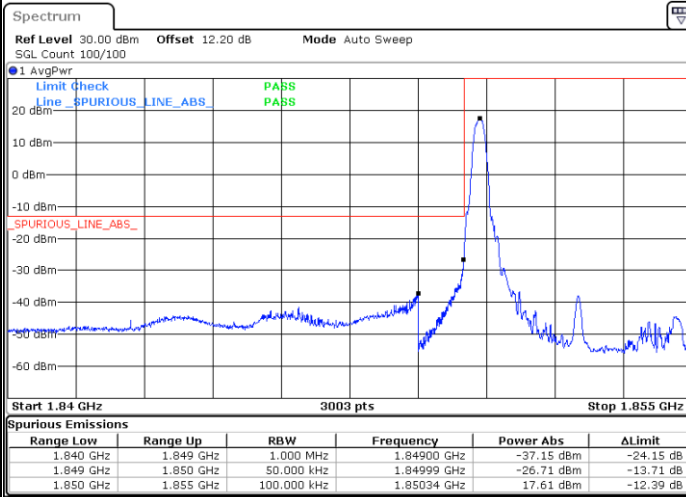


Date: 24 FEB 2021 00:24:05



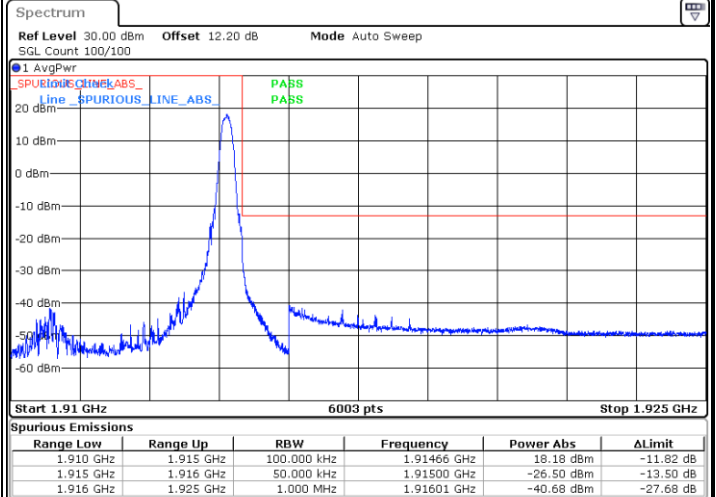
LTE Band 25 / 5MHz / 16QAM

Lowest Band Edge / 1RB



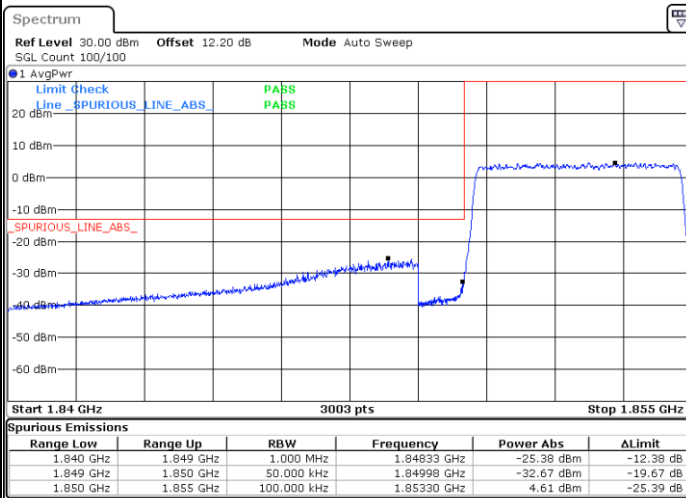
Date: 24 FEB 2021 00:17:51

Highest Band Edge / 1 RB



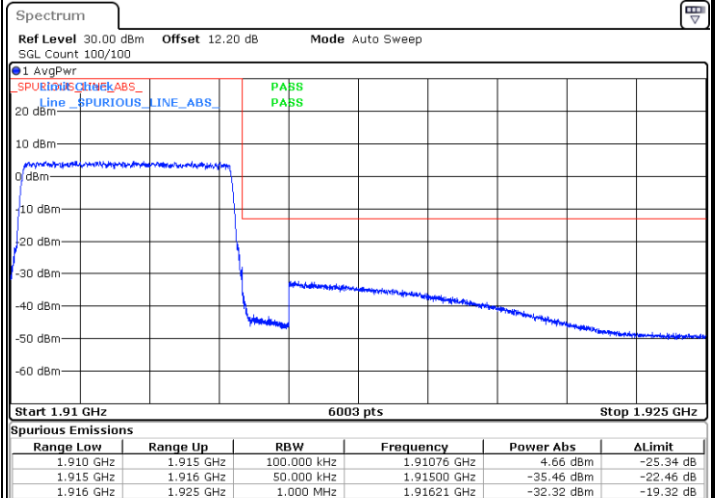
Date: 24 FEB 2021 00:25:20

Lowest Band Edge / Full RB



Date: 24 FEB 2021 00:19:06

Highest Band Edge / Full RB

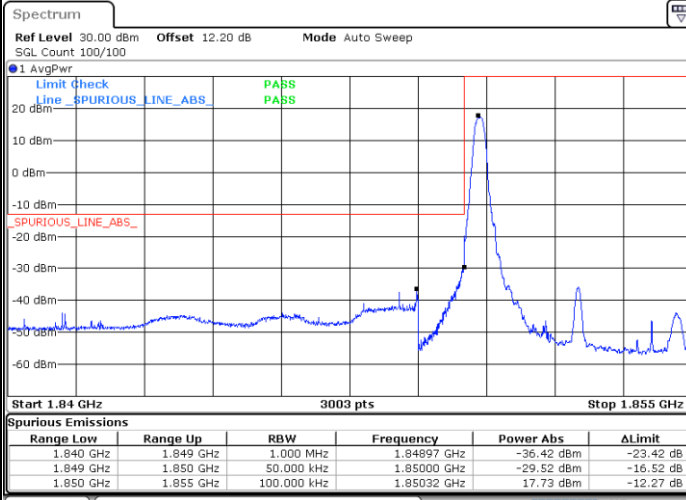


Date: 24 FEB 2021 00:24:43



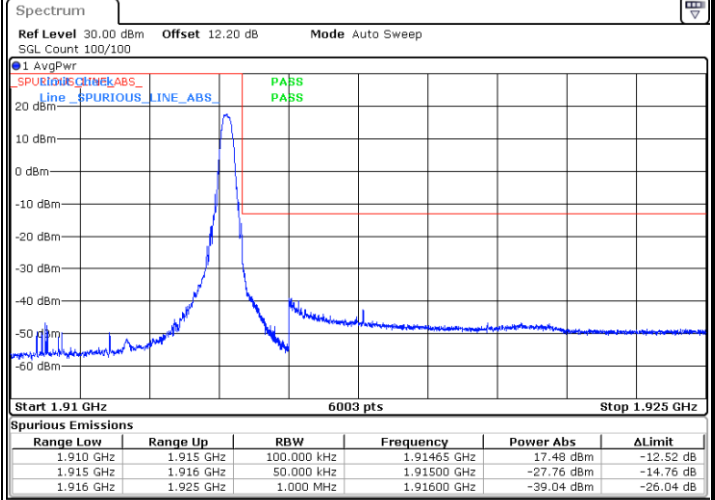
LTE Band 25 / 5MHz / 64QAM

Lowest Band Edge / 1RB



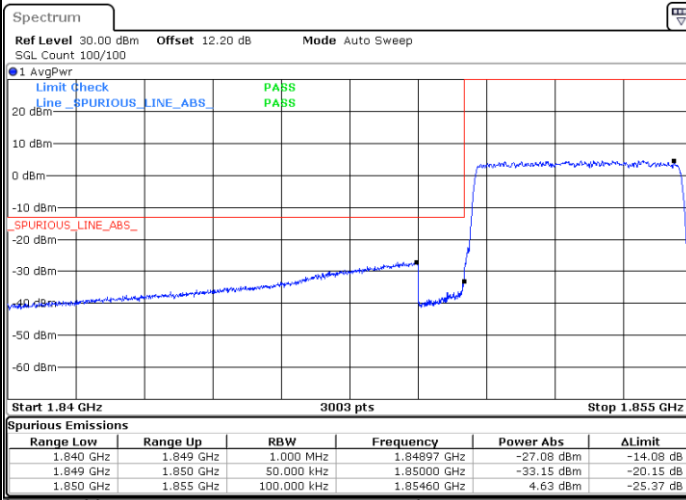
Date: 24 FEB 2021 00:27:57

Highest Band Edge / 1 RB



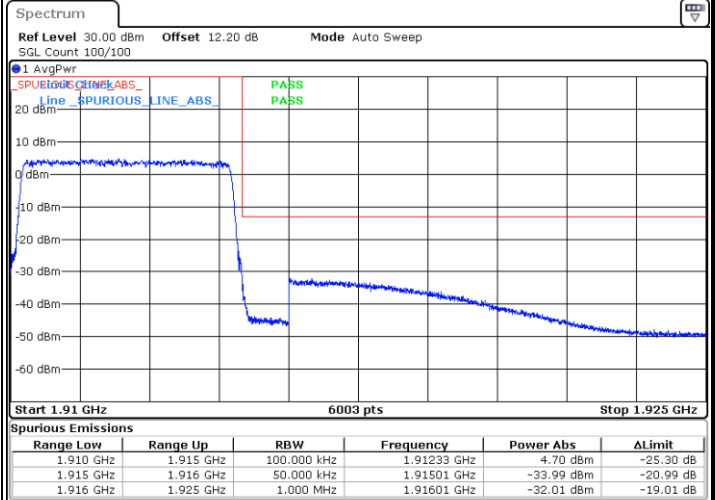
Date: 24 FEB 2021 00:30:30

Lowest Band Edge / Full RB



Date: 24 FEB 2021 00:28:35

Highest Band Edge / Full RB

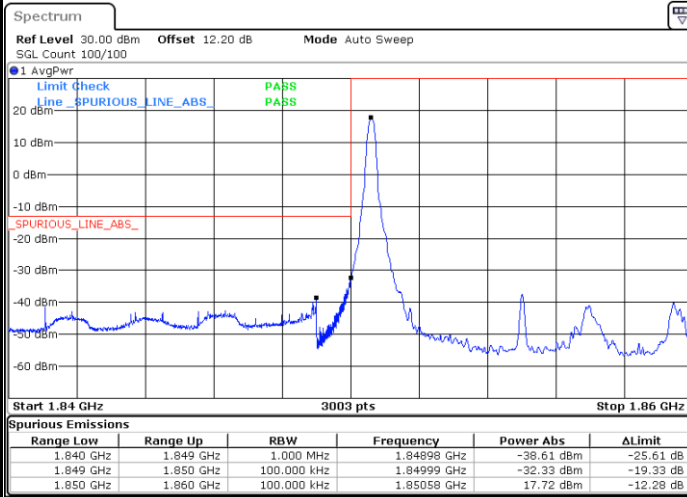


Date: 24 FEB 2021 00:29:52



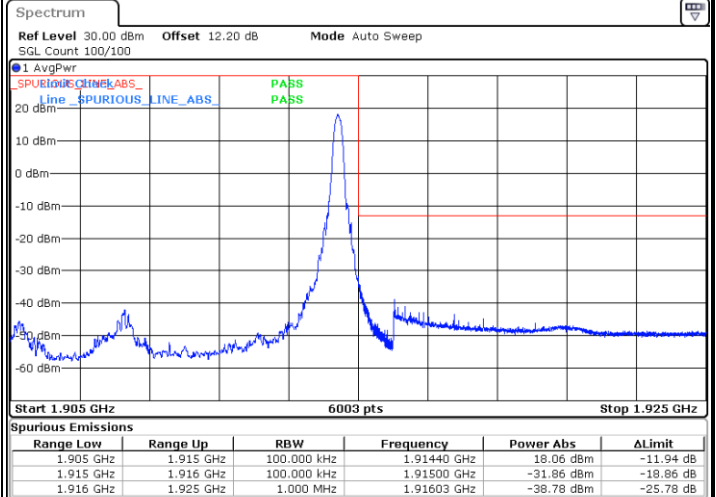
LTE Band 25 / 10MHz / QPSK

Lowest Band Edge / 1 RB



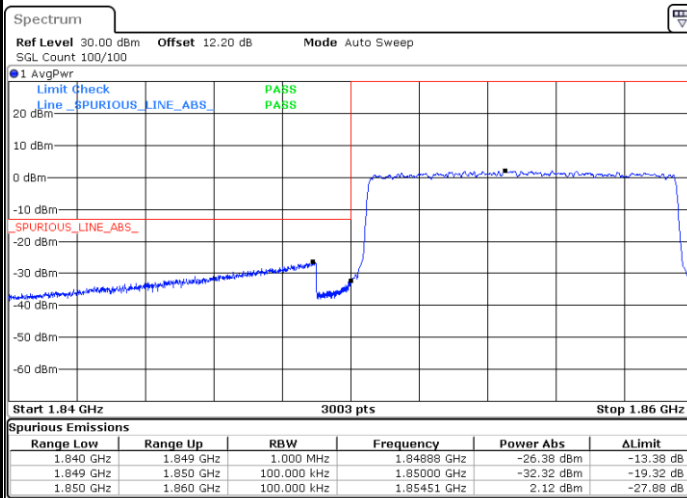
Date: 24 FEB 2021 00:34:25

Highest Band Edge / 1 RB



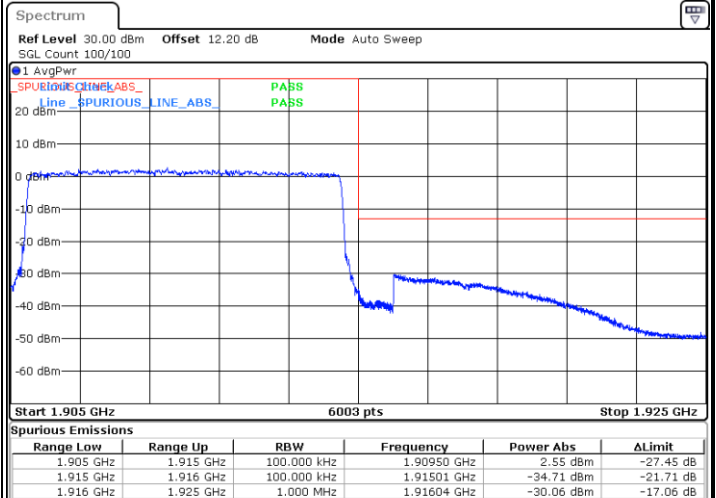
Date: 24 FEB 2021 00:43:09

Lowest Band Edge / Full RB



Date: 24 FEB 2021 00:35:41

Highest Band Edge / Full RB

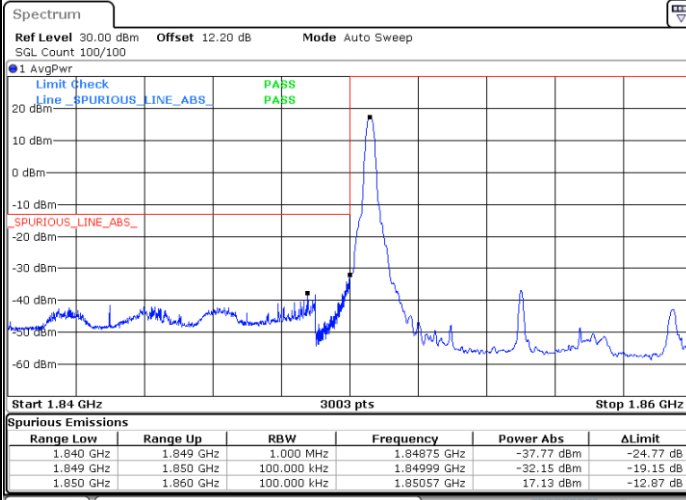


Date: 24 FEB 2021 00:41:17



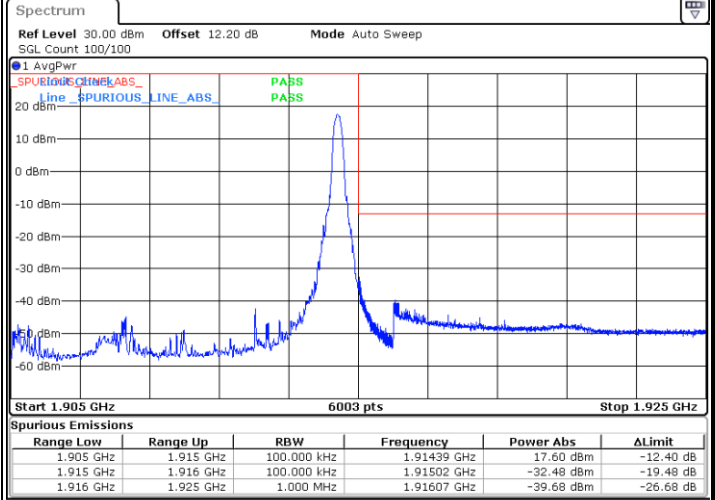
LTE Band 25 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



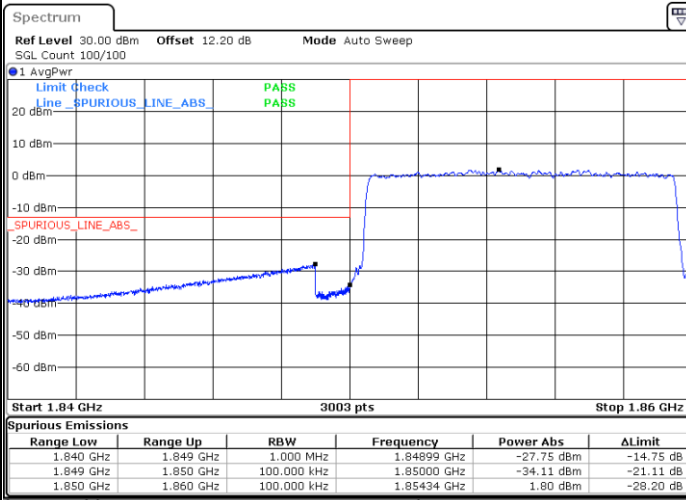
Date: 24 FEB 2021 00:35:03

Highest Band Edge / 1 RB



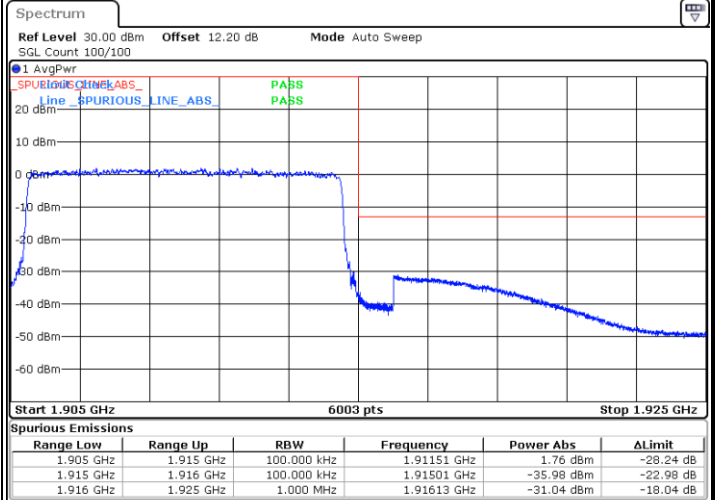
Date: 24 FEB 2021 00:42:32

Lowest Band Edge / Full RB



Date: 24 FEB 2021 00:36:18

Highest Band Edge / Full RB

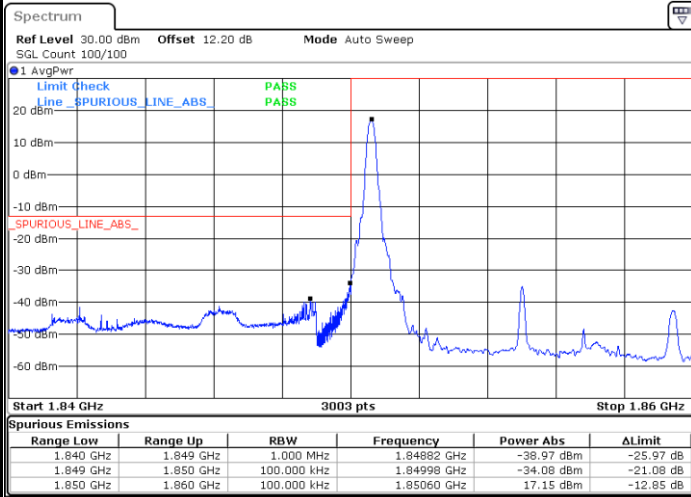


Date: 24 FEB 2021 00:41:54



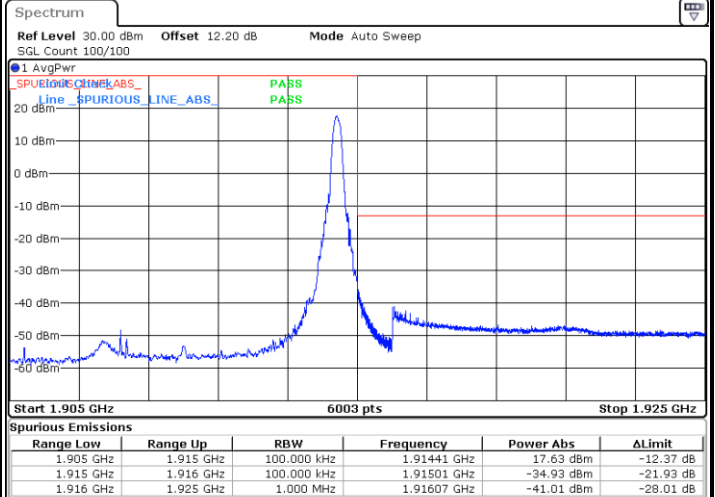
LTE Band 25 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



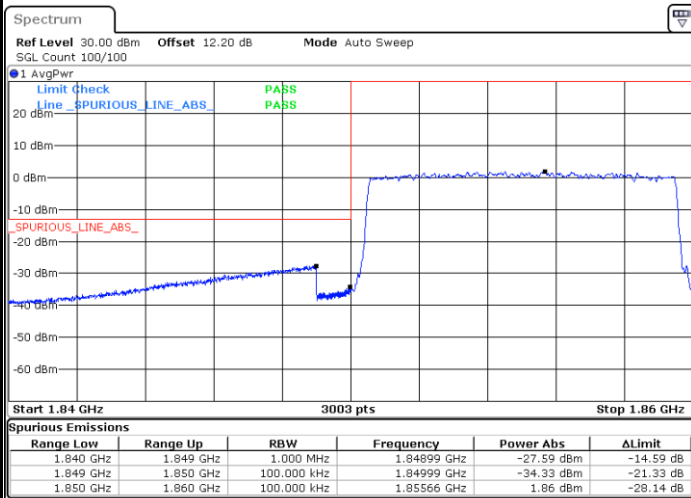
Date: 24 FEB 2021 00:45:10

Highest Band Edge / 1 RB



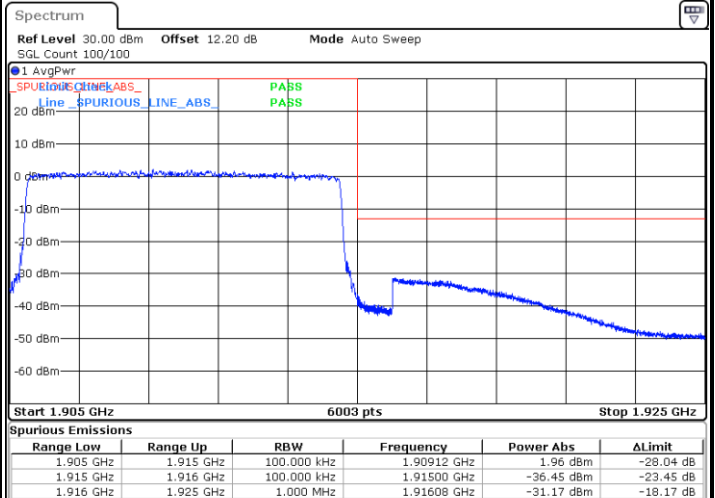
Date: 24 FEB 2021 00:47:42

Lowest Band Edge / Full RB



Date: 24 FEB 2021 00:45:47

Highest Band Edge / Full RB



Date: 24 FEB 2021 00:47:04