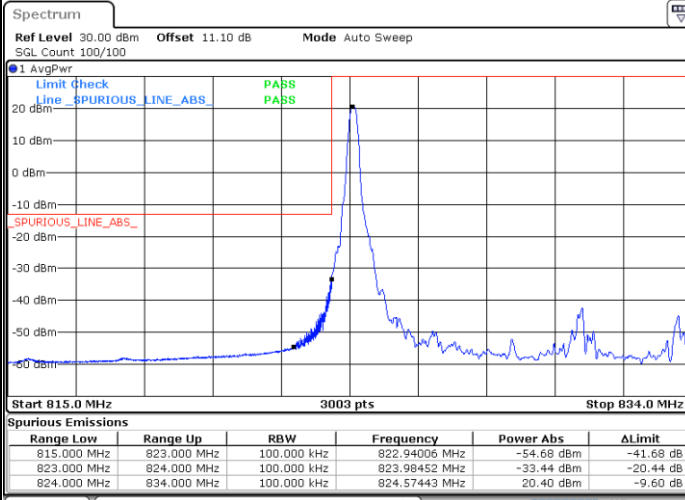




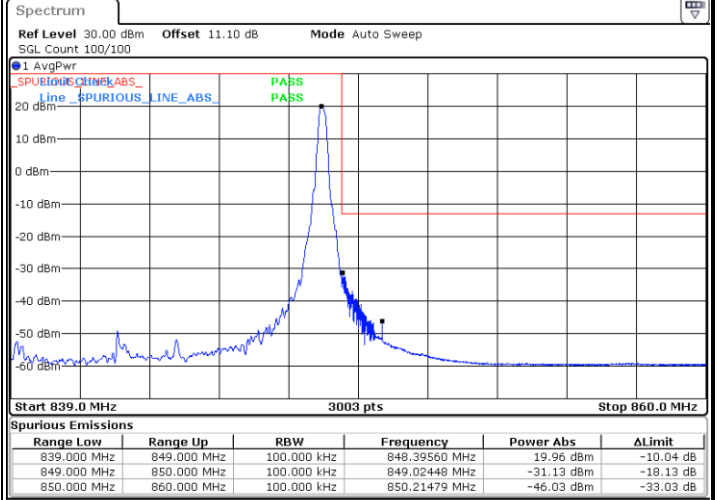
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



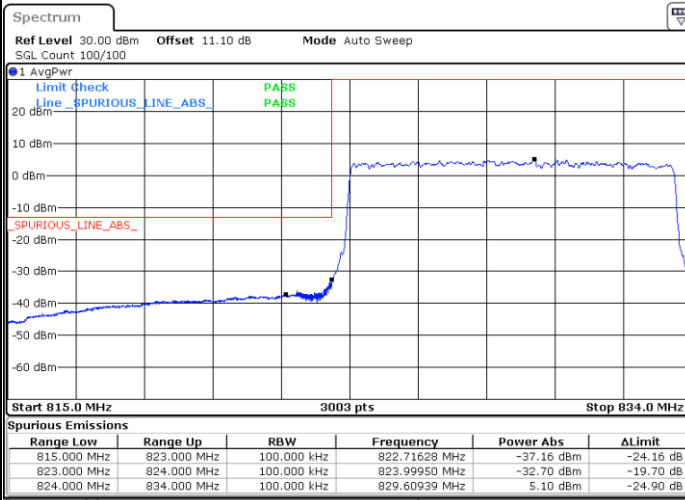
Date: 4 MAY 2021 12:29:33

Highest Band Edge / 1 RB



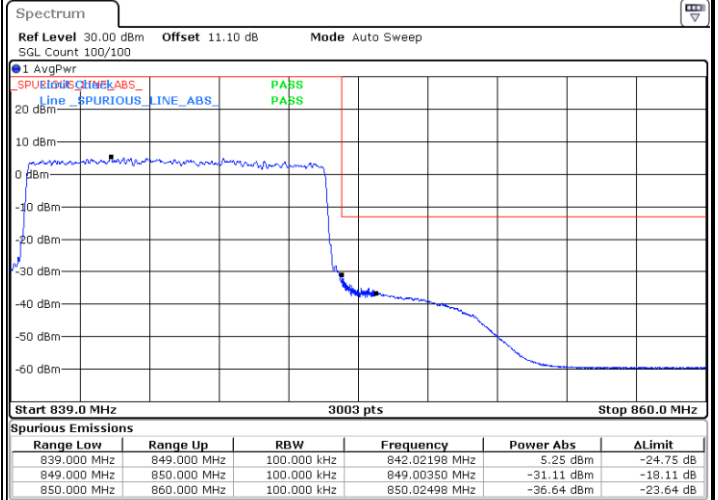
Date: 4 MAY 2021 12:40:47

Lowest Band Edge / Full RB



Date: 4 MAY 2021 12:33:16

Highest Band Edge / Full RB

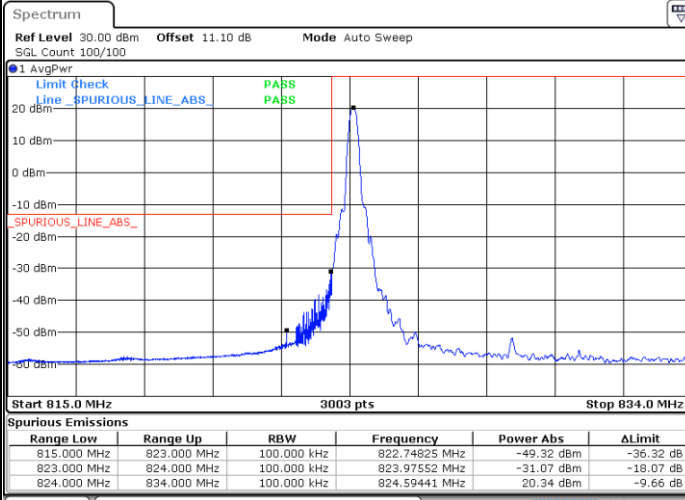


Date: 4 MAY 2021 12:44:30



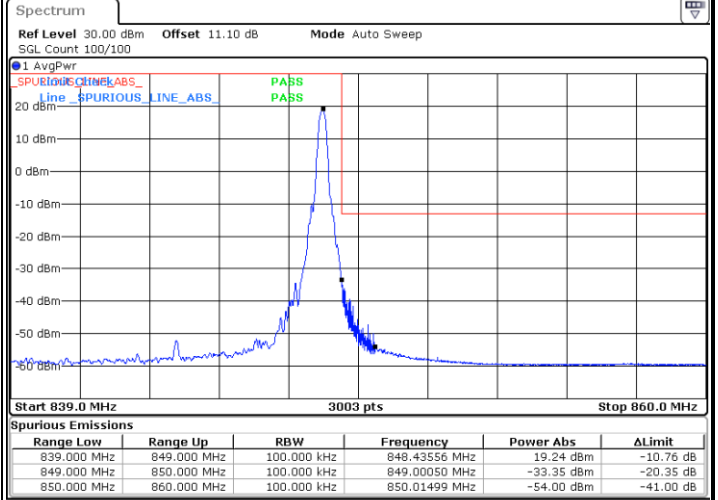
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



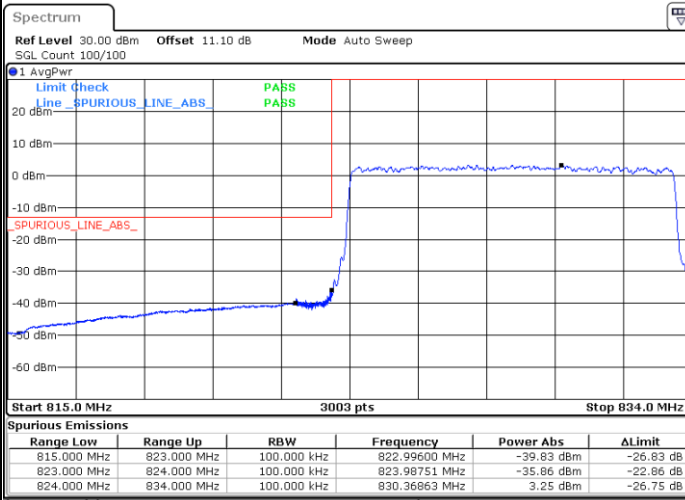
Date: 4 MAY 2021 12:47:32

Highest Band Edge / 1 RB



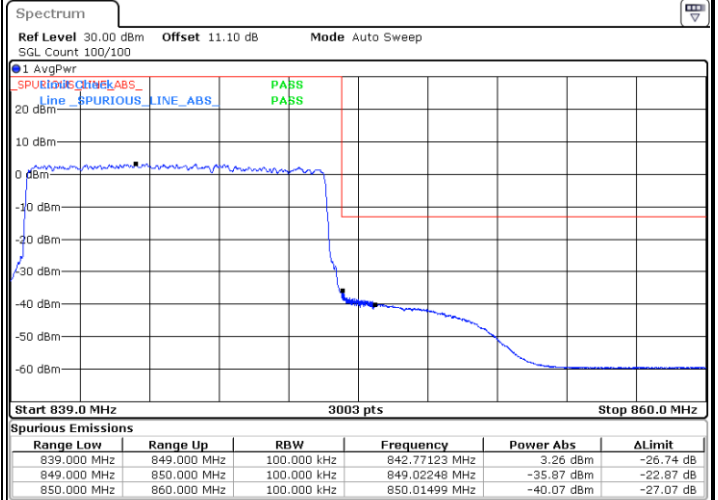
Date: 4 MAY 2021 12:51:58

Lowest Band Edge / Full RB



Date: 4 MAY 2021 12:49:23

Highest Band Edge / Full RB



Date: 4 MAY 2021 12:53:50

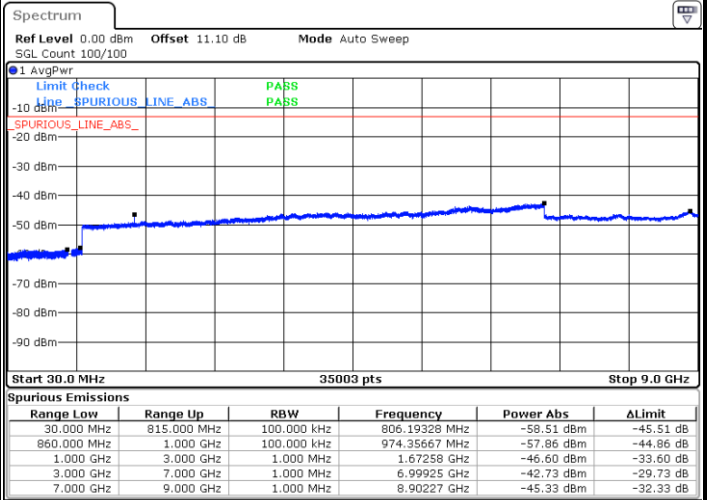
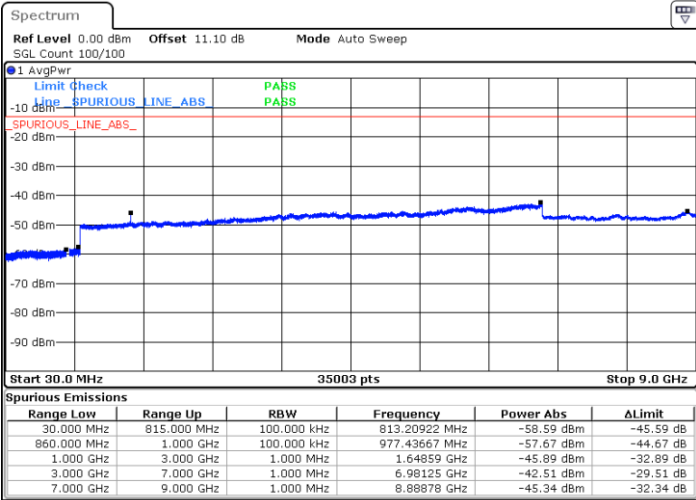


# Conducted Spurious Emission

## LTE Band 5 / 1.4MHz

### Lowest Channel / QPSK

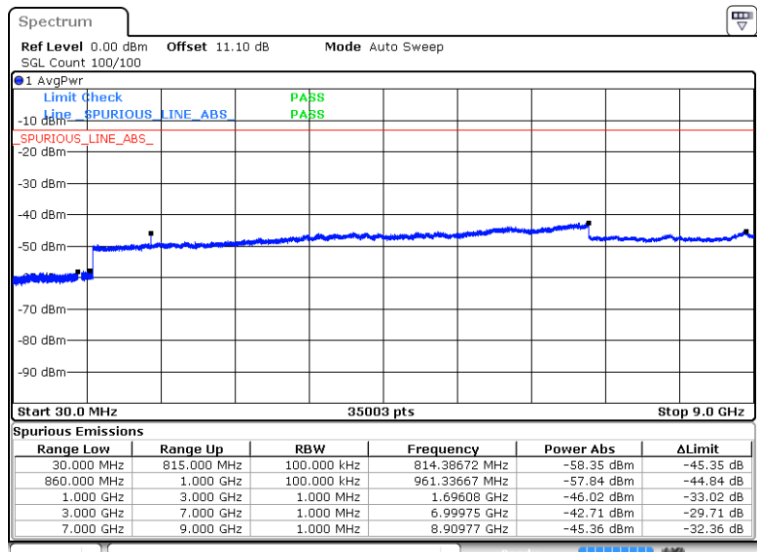
### Middle Channel / QPSK



Date: 4 MAY.2021 11:08:58

Date: 4 MAY.2021 11:13:00

### Highest Channel / QPSK



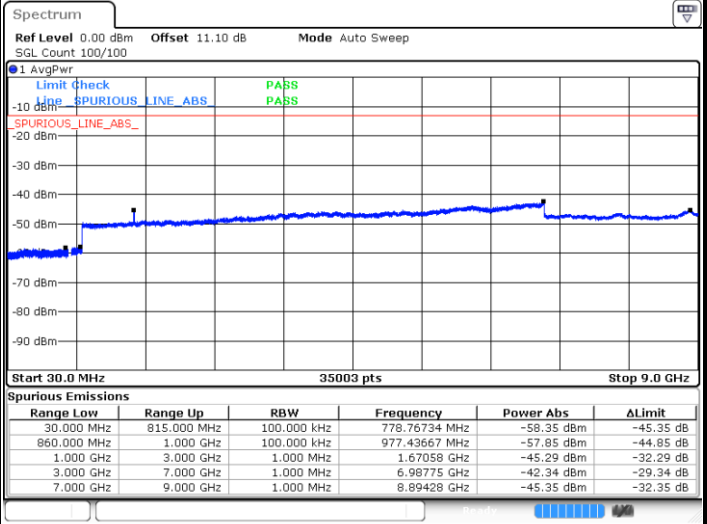
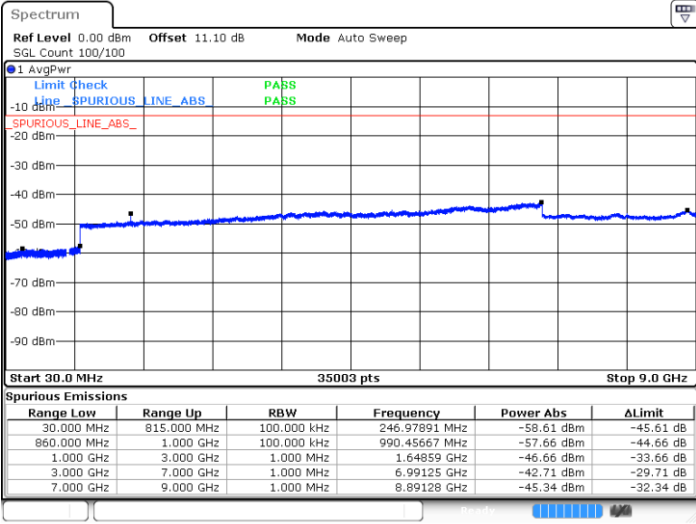
Date: 4.MAY.2021 11:21:37



LTE Band 5 / 3MHz

Lowest Channel / QPSK

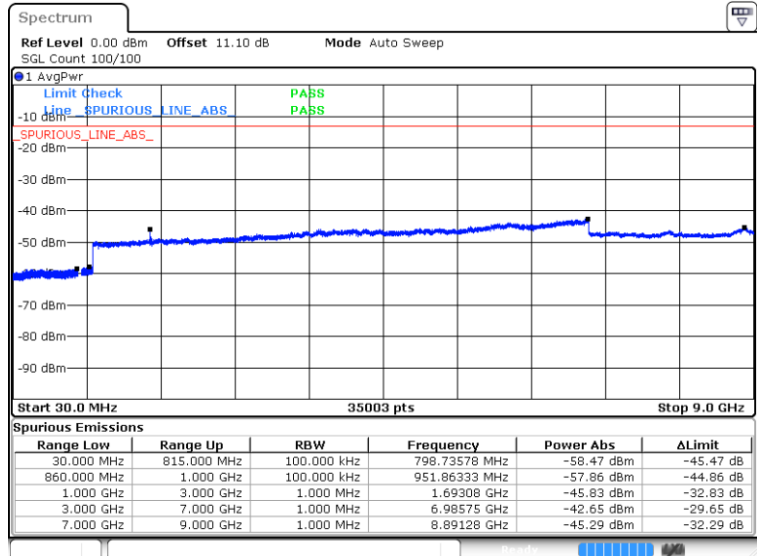
Middle Channel / QPSK



Date: 4 MAY.2021 11:38:24

Date: 4 MAY.2021 11:41:03

Highest Channel / QPSK



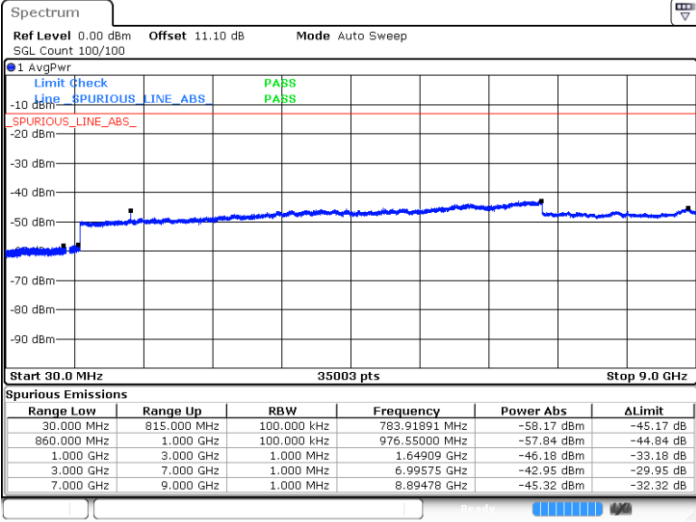
Date: 4.MAY.2021 11:49:39



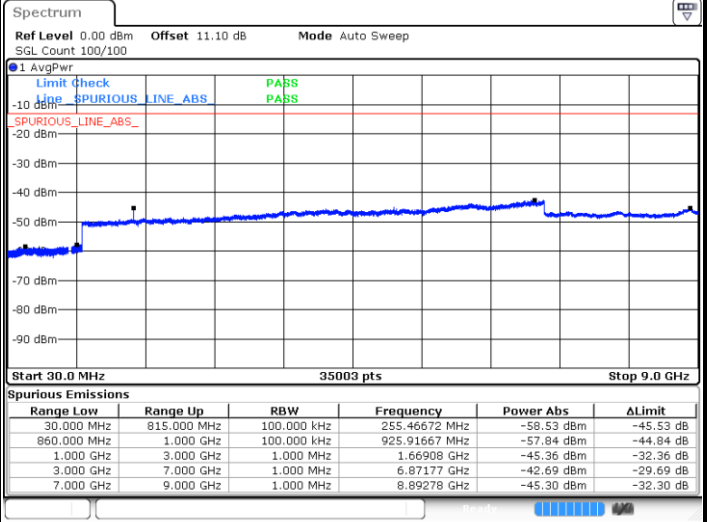
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

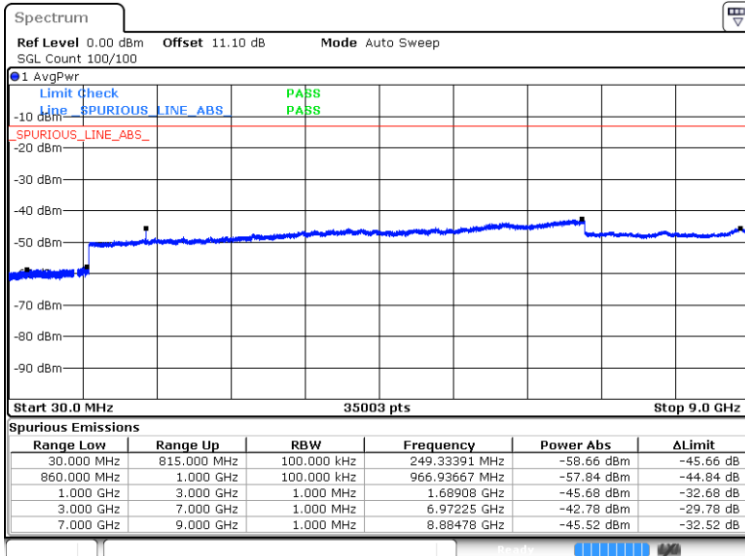


Date: 4 MAY.2021 12:06:26



Date: 4 MAY.2021 12:09:05

Highest Channel / QPSK



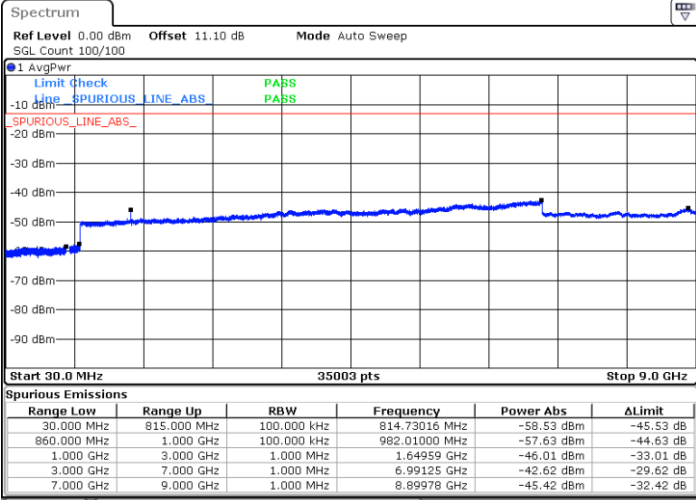
Date: 4.MAY.2021 12:17:41



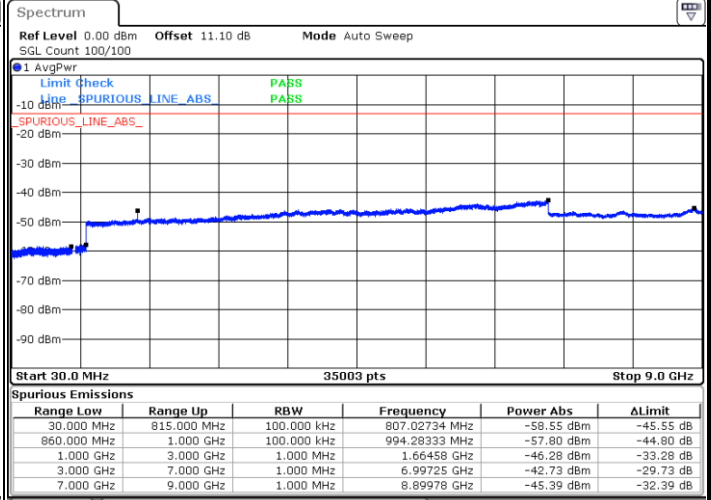
LTE Band 5 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

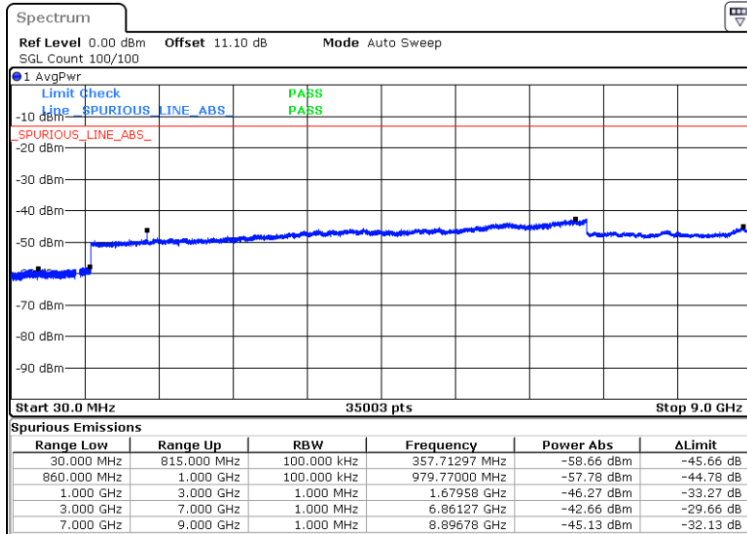


Date: 4 MAY.2021 12:34:26



Date: 4 MAY.2021 12:37:05

Highest Channel / QPSK



Date: 4.MAY.2021 12:45:40



### 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	0.0074	PASS
40	Normal Voltage	0.0067	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0115	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0050	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0055	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

**Note:**

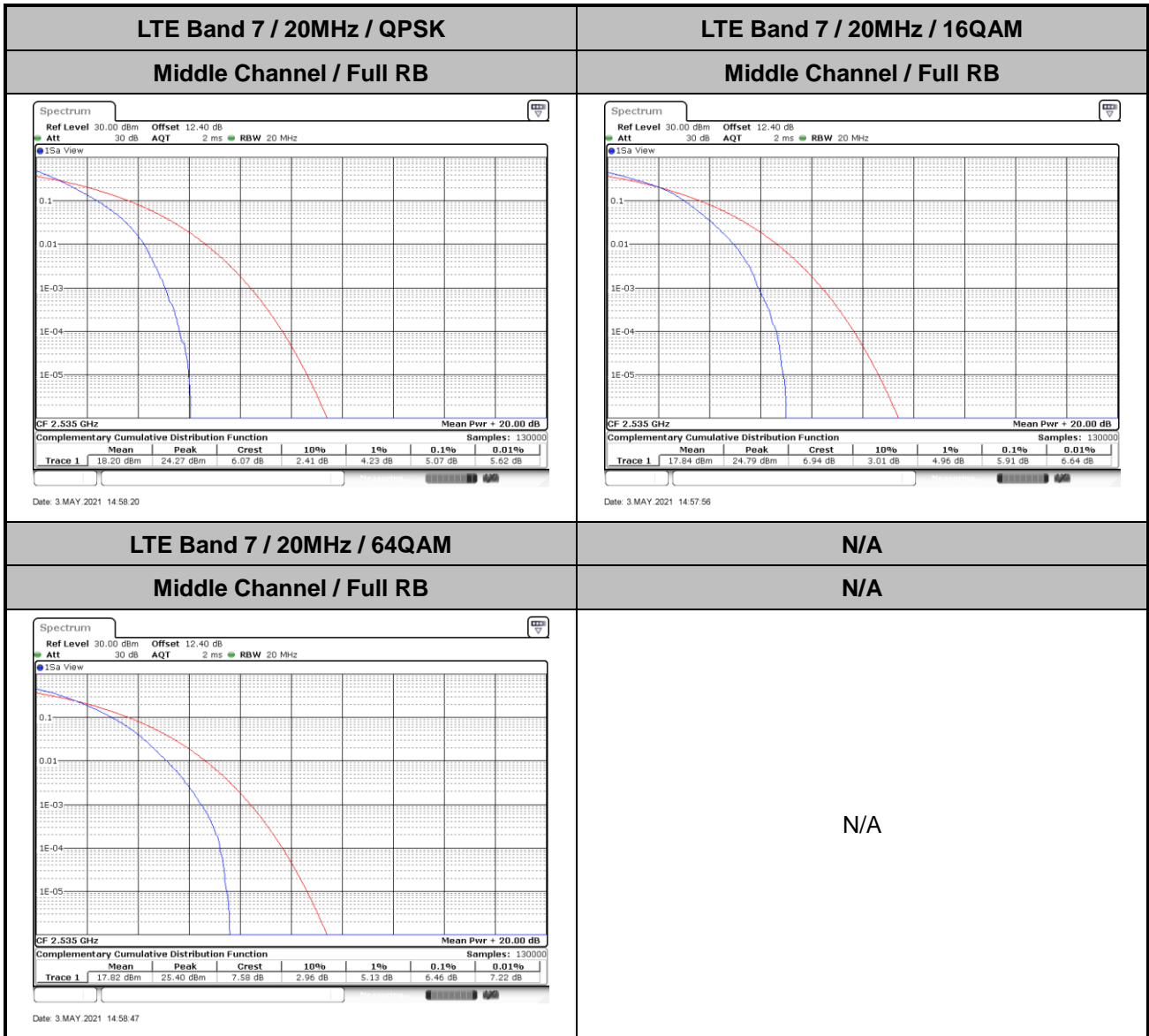
- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7

## Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.07	5.91	6.46	-	PASS







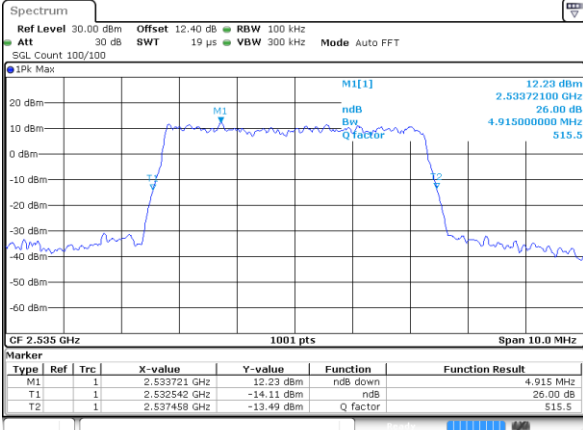
**26dB Bandwidth**

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	-	-	-	-	4.92	4.93	9.85	9.63	14.45	14.45	19.14	19.02
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	-	-	-	-	4.91	-	9.71	-	14.18	-	19.10	-



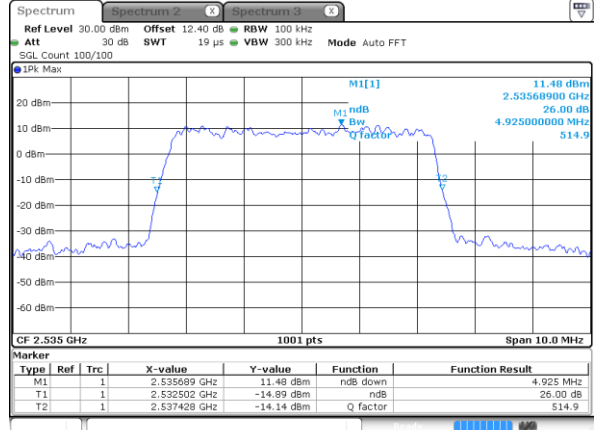
LTE Band 7

Middle Channel / 5MHz / QPSK



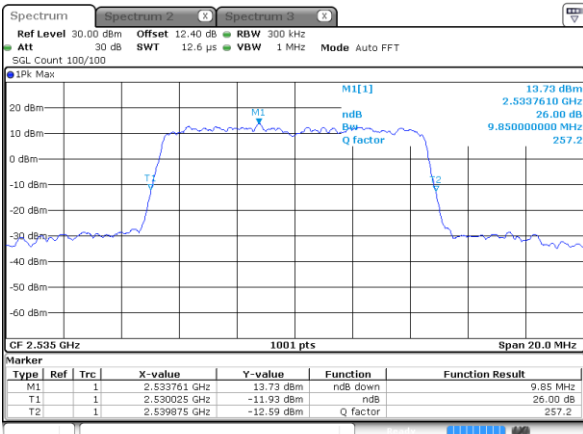
Date: 3 MAY 2021 15:03:02

Middle Channel / 5MHz / 16QAM



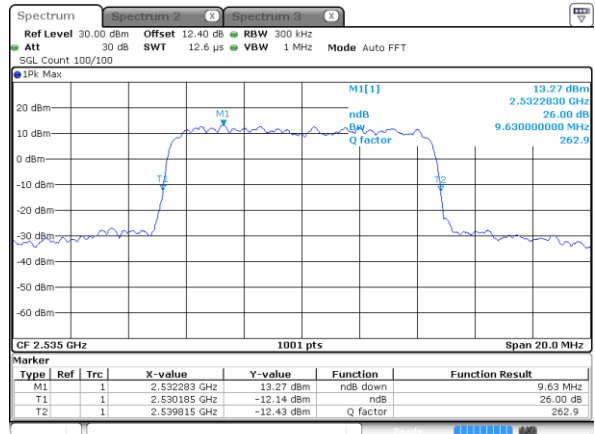
Date: 3 MAY 2021 12:55:15

Middle Channel / 10MHz / QPSK



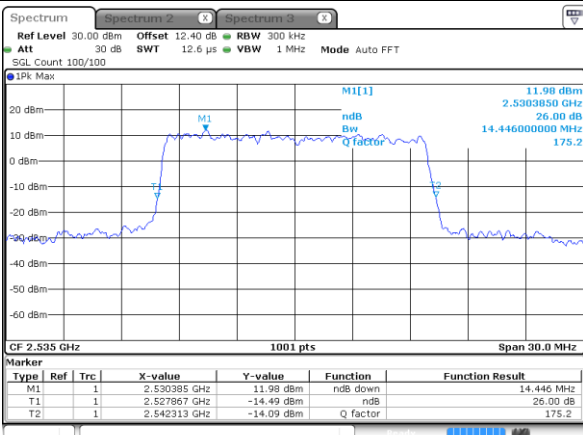
Date: 3 MAY 2021 13:09:06

Middle Channel / 10MHz / 16QAM



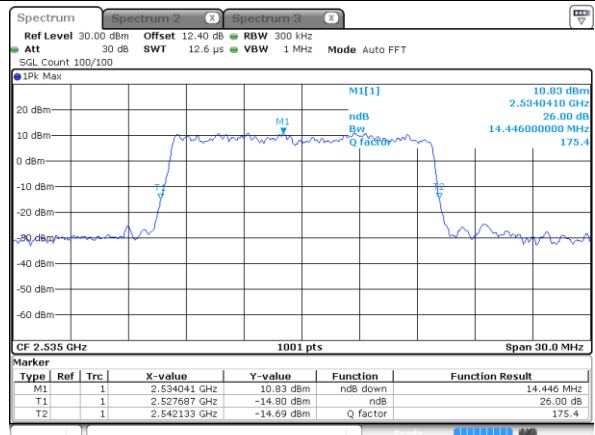
Date: 3 MAY 2021 13:09:27

Middle Channel / 15MHz / QPSK



Date: 3 MAY 2021 13:23:18

Middle Channel / 15MHz / 16QAM

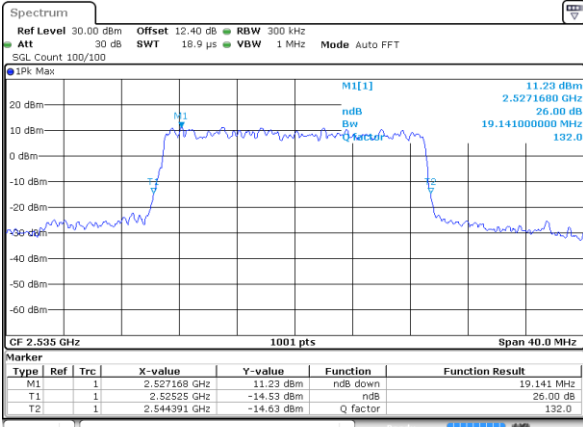


Date: 3 MAY 2021 13:23:39



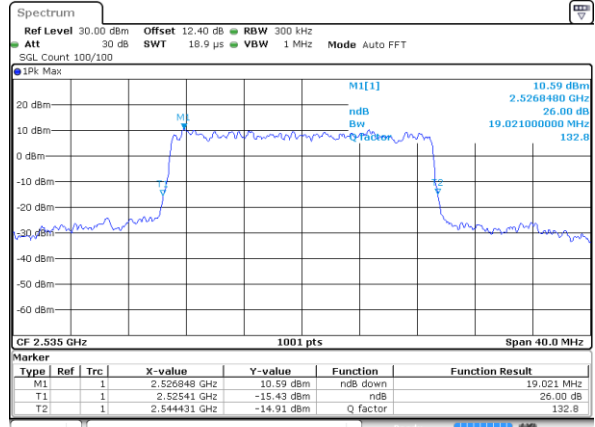
LTE Band 7

Middle Channel / 20MHz / QPSK



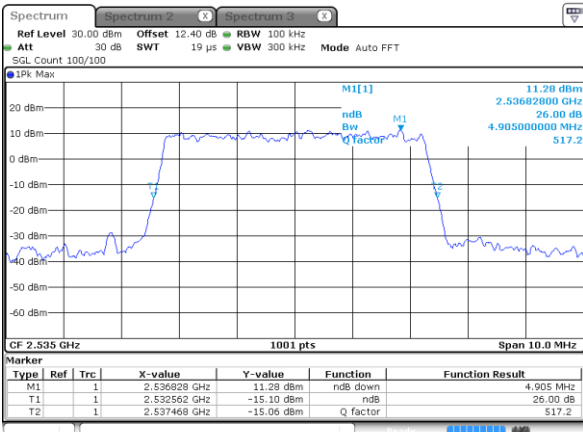
Date: 3 MAY 2021 14:48:34

Middle Channel / 20MHz / 16QAM



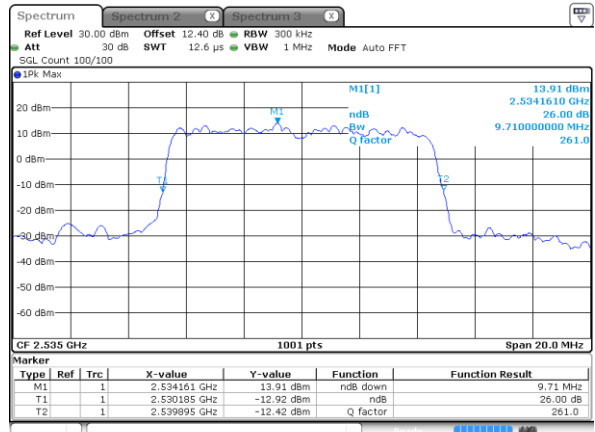
Date: 3 MAY 2021 14:48:56

Middle Channel / 5MHz / 64QAM



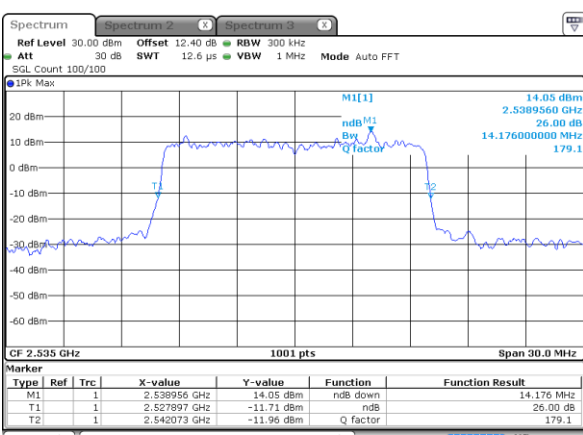
Date: 3 MAY 2021 13:02:34

Middle Channel / 10MHz / 64QAM



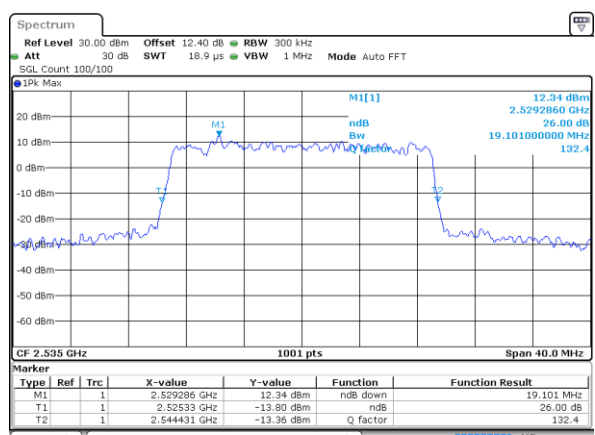
Date: 3 MAY 2021 13:16:45

Middle Channel / 15MHz / 64QAM



Date: 3 MAY 2021 13:30:57

Middle Channel / 20MHz / 64QAM



Date: 3 MAY 2021 14:56:10



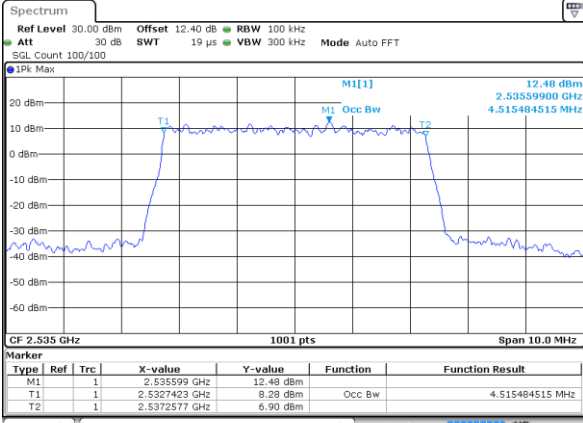
**Occupied Bandwidth**

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	4.47	9.01	9.01	13.46	13.40	17.94	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	-	8.99	-	13.43	-	17.94	-



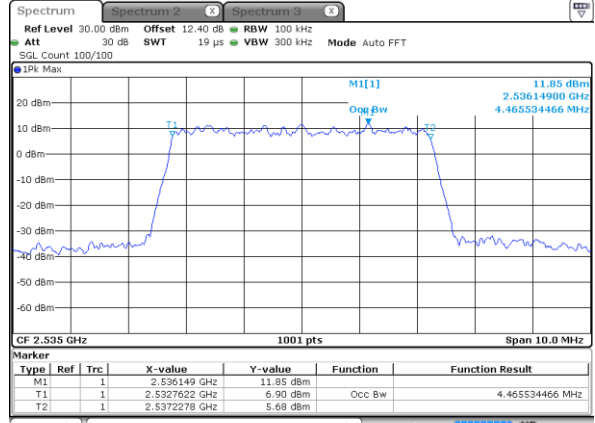
LTE Band 7

Middle Channel / 5MHz / QPSK



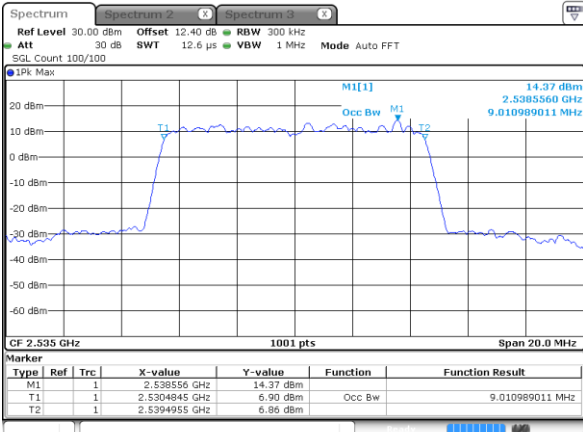
Date: 3.MAY.2021 15:02:37

Middle Channel / 5MHz / 16QAM



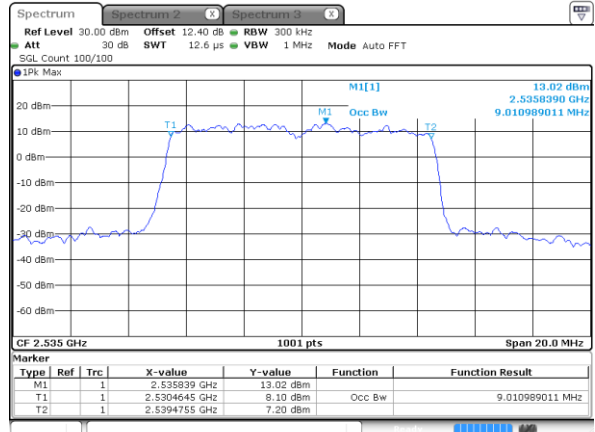
Date: 3.MAY.2021 12:54:09

Middle Channel / 10MHz / QPSK



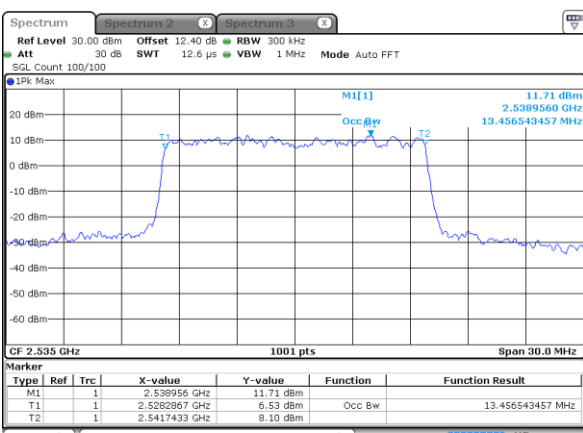
Date: 3.MAY.2021 13:08:20

Middle Channel / 10MHz / 16QAM



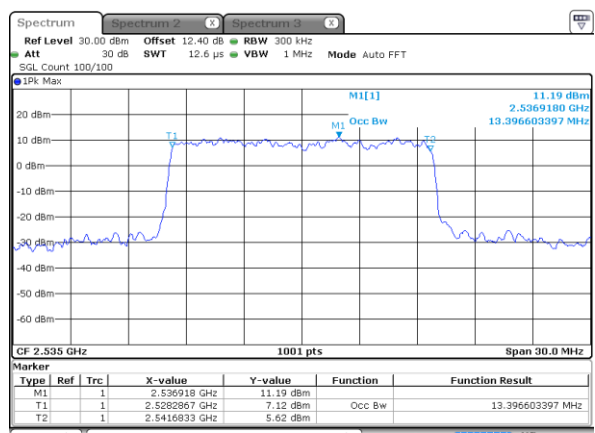
Date: 3.MAY.2021 13:08:43

Middle Channel / 15MHz / QPSK



Date: 3.MAY.2021 13:22:32

Middle Channel / 15MHz / 16QAM

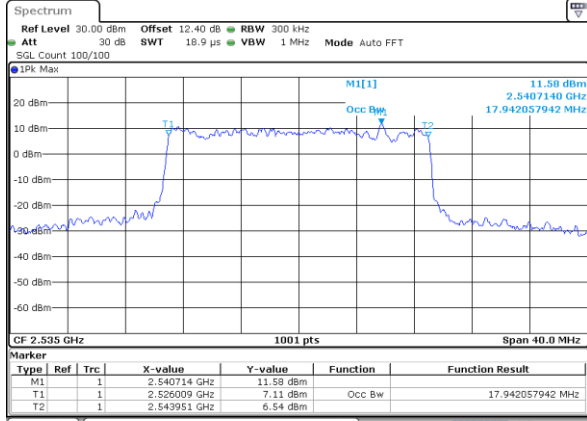


Date: 3.MAY.2021 13:22:55



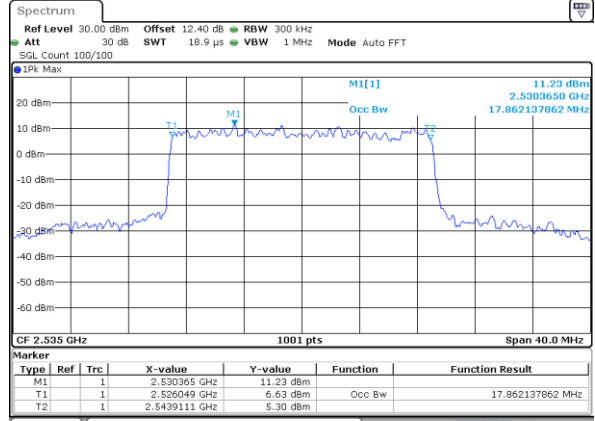
LTE Band 7

Middle Channel / 20MHz / QPSK



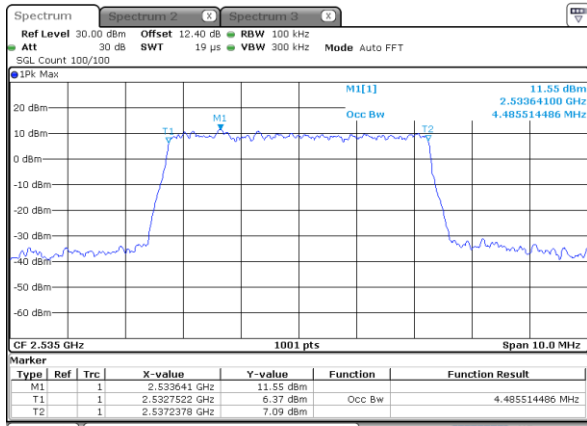
Date: 3 MAY 2021 14:47:49

Middle Channel / 20MHz / 16QAM



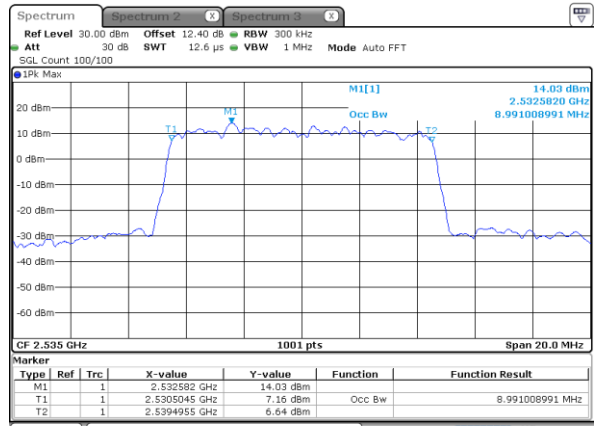
Date: 3 MAY 2021 14:48:12

Middle Channel / 5MHz / 64QAM



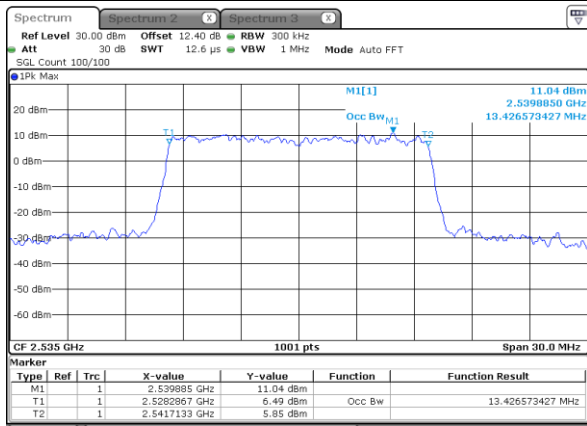
Date: 3 MAY 2021 13:02:11

Middle Channel / 10MHz / 64QAM



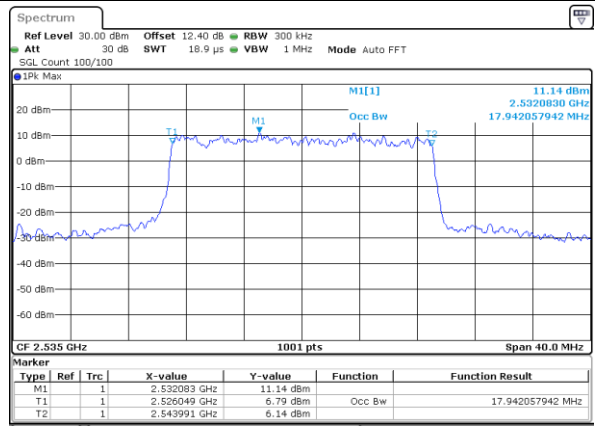
Date: 3 MAY 2021 13:16:22

Middle Channel / 15MHz / 64QAM



Date: 3 MAY 2021 13:30:34

Middle Channel / 20MHz / 64QAM



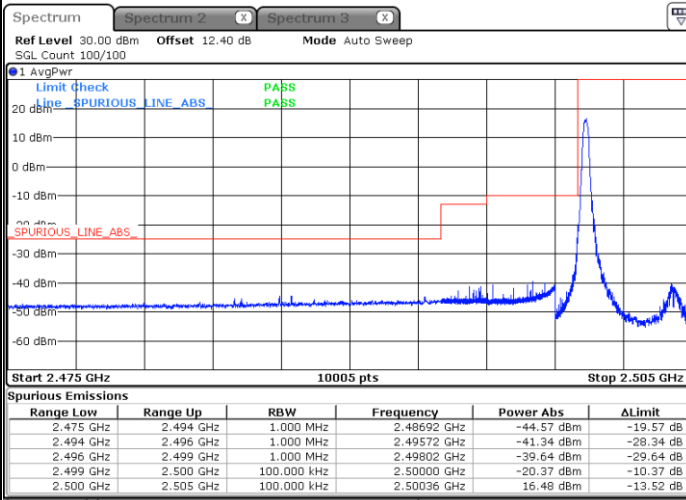
Date: 3 MAY 2021 14:55:48



# Conducted Band Edge

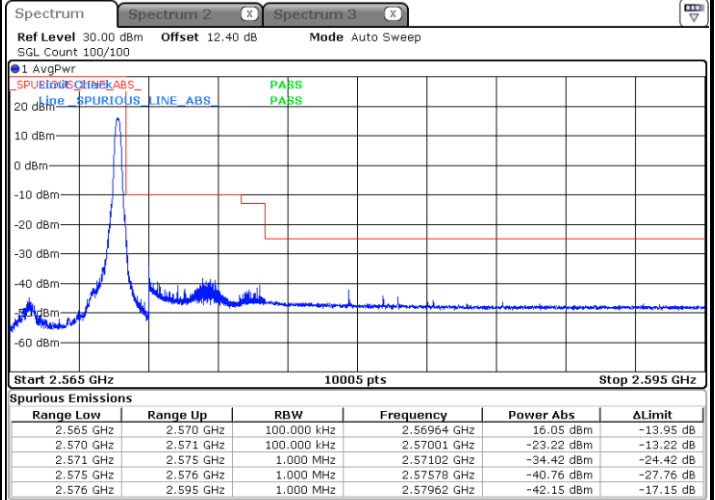
## LTE Band 7 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



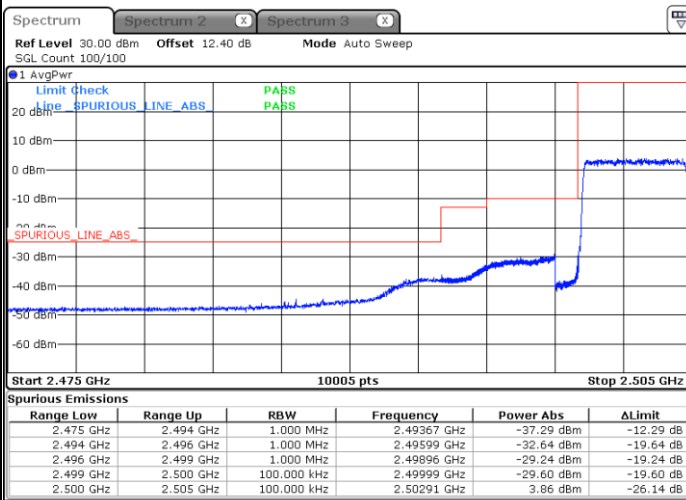
Date: 3 MAY 2021 12:46:55

### Highest Band Edge / 1 RB



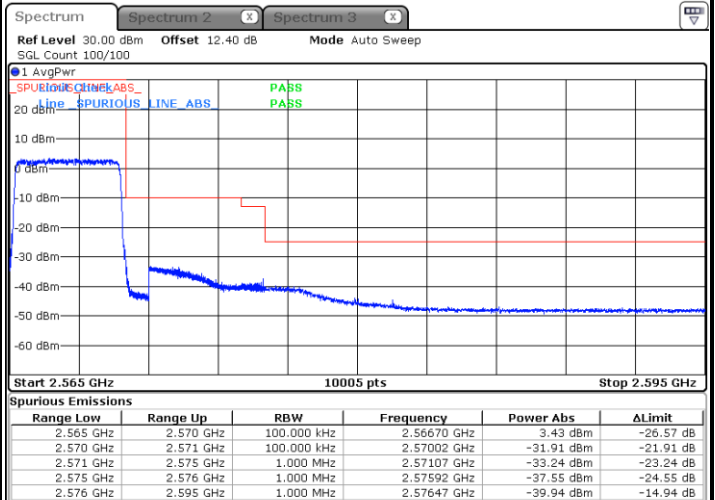
Date: 3 MAY 2021 12:57:06

### Lowest Band Edge / Full RB



Date: 3 MAY 2021 12:48:20

### Highest Band Edge / Full RB

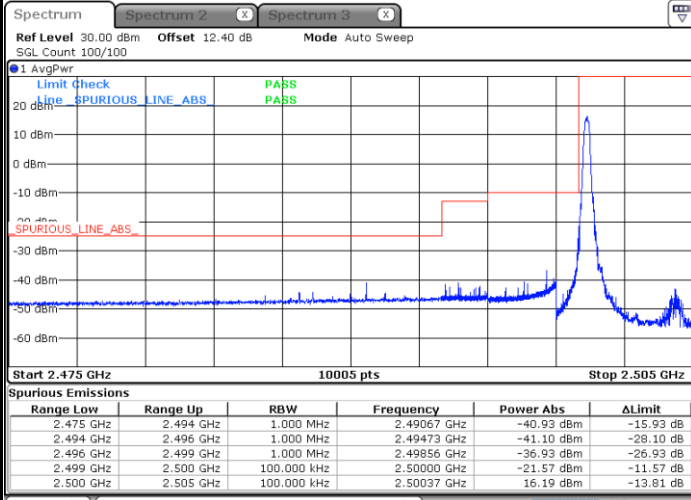


Date: 3 MAY 2021 12:58:30



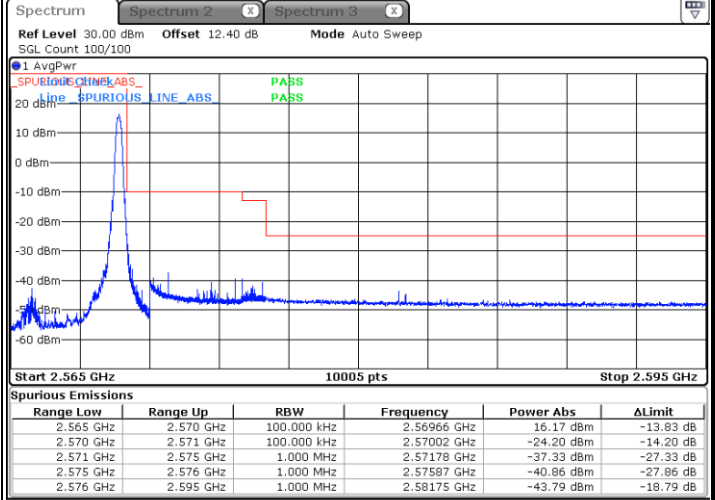
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



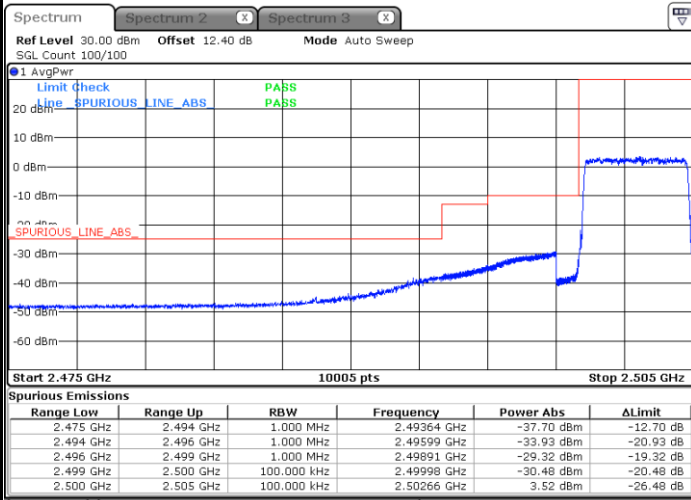
Date: 3 MAY 2021 12:47:37

Highest Band Edge / 1 RB



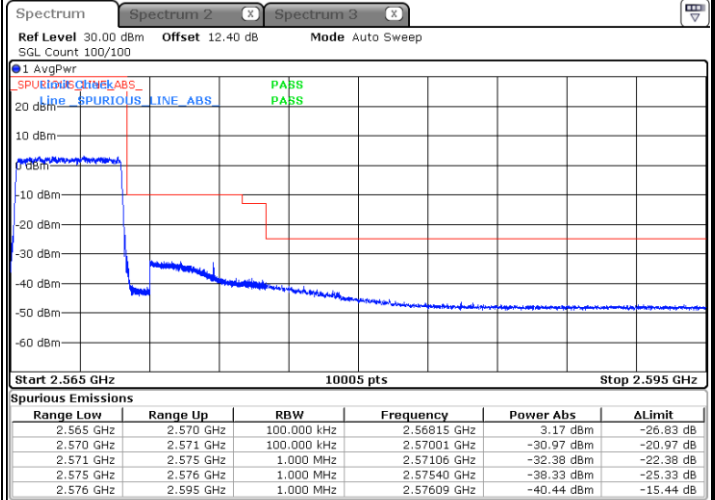
Date: 3 MAY 2021 12:57:48

Lowest Band Edge / Full RB



Date: 3 MAY 2021 12:49:02

Highest Band Edge / Full RB



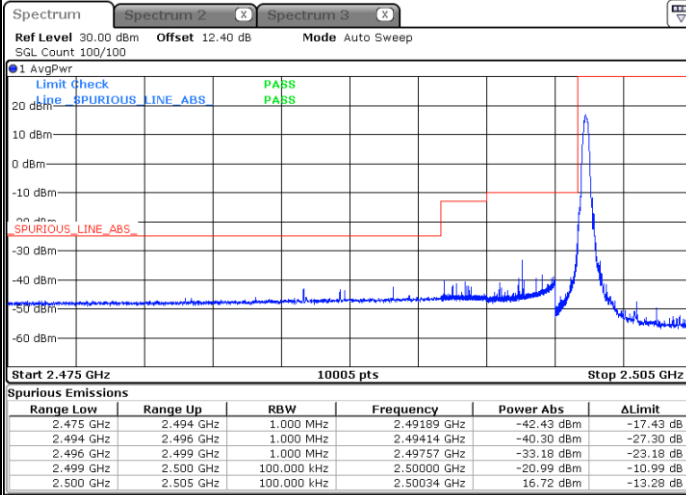
Date: 3 MAY 2021 12:59:13





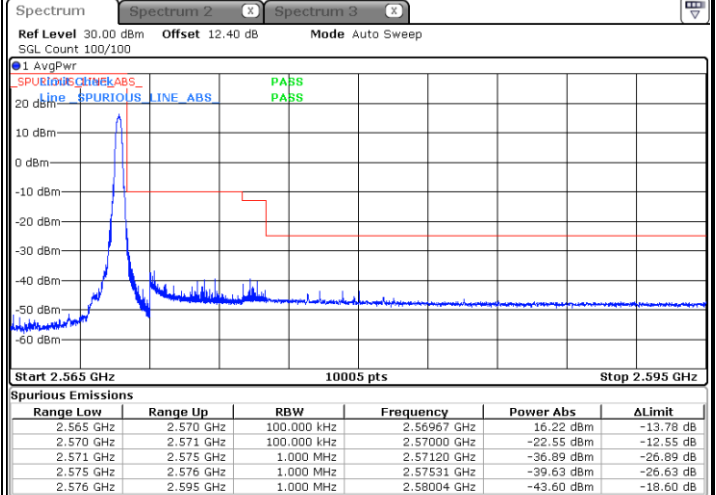
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



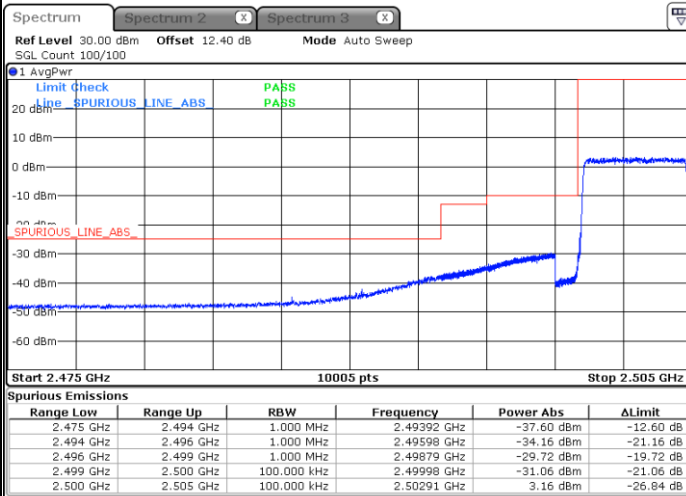
Date: 3 MAY 2021 13:01:06

Highest Band Edge / 1 RB



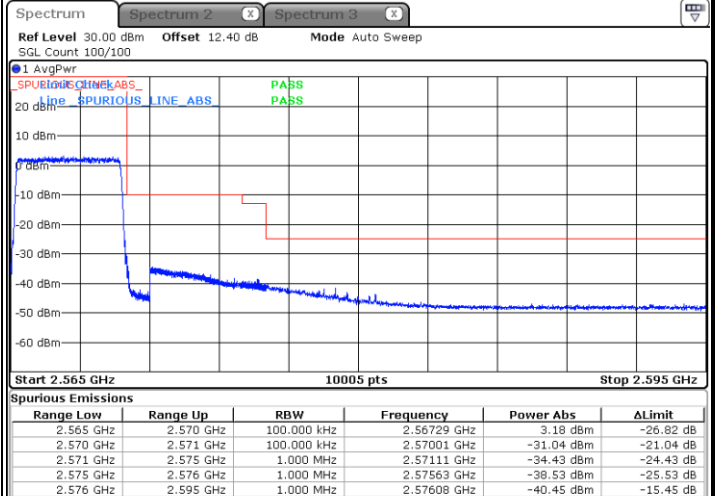
Date: 3 MAY 2021 13:03:15

Lowest Band Edge / Full RB



Date: 3 MAY 2021 13:01:49

Highest Band Edge / Full RB

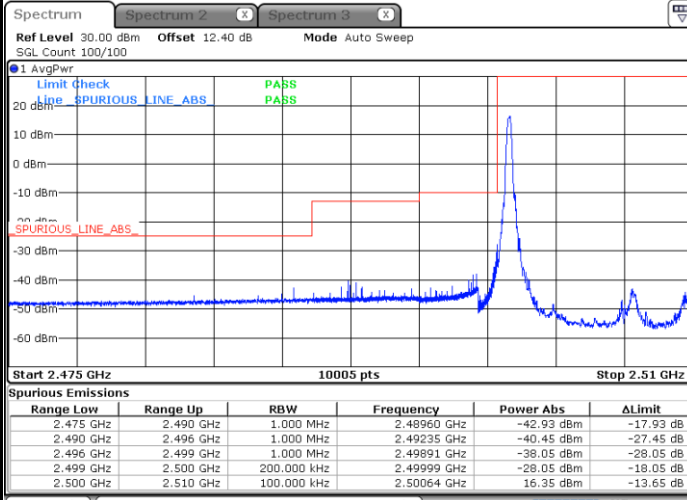


Date: 3 MAY 2021 13:03:57



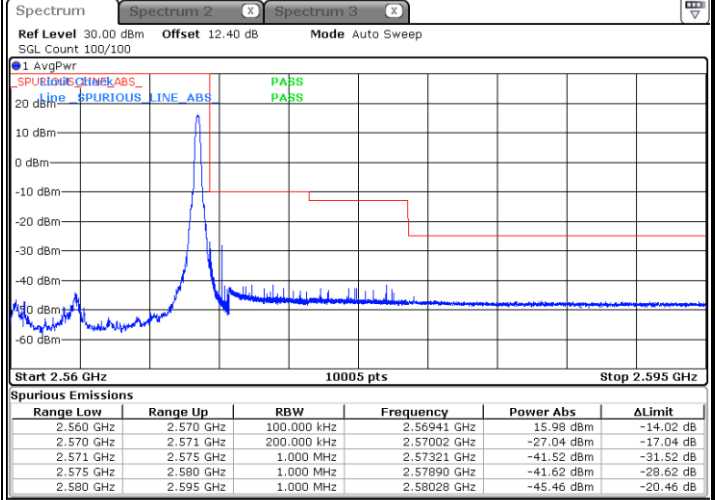
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



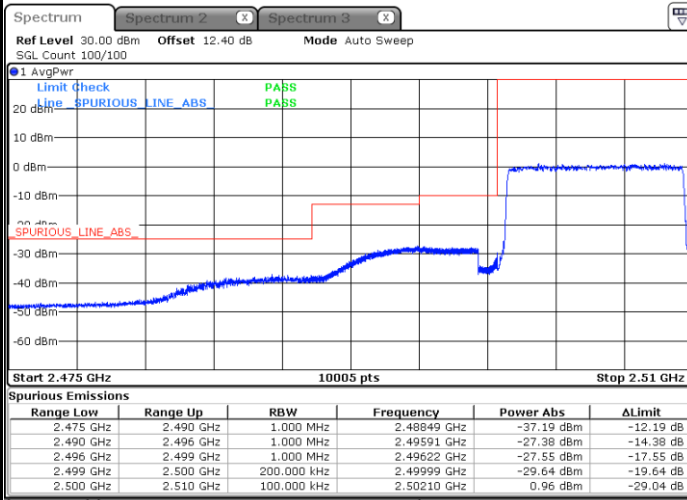
Date: 3 MAY 2021 13:04:40

Highest Band Edge / 1 RB



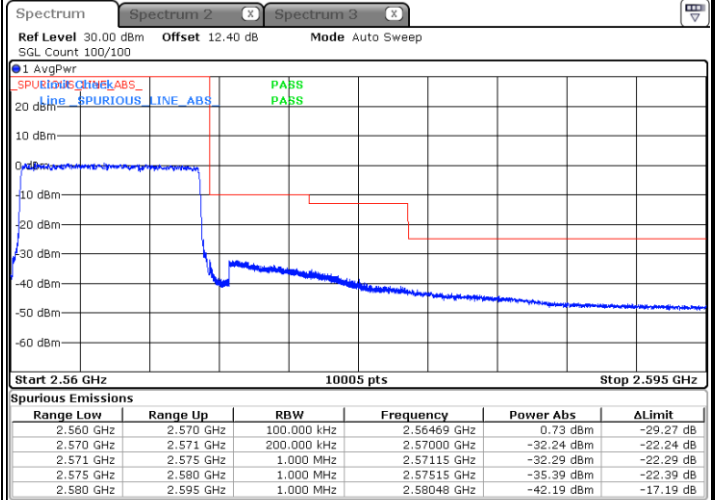
Date: 3 MAY 2021 13:11:18

Lowest Band Edge / Full RB



Date: 3 MAY 2021 13:06:04

Highest Band Edge / Full RB

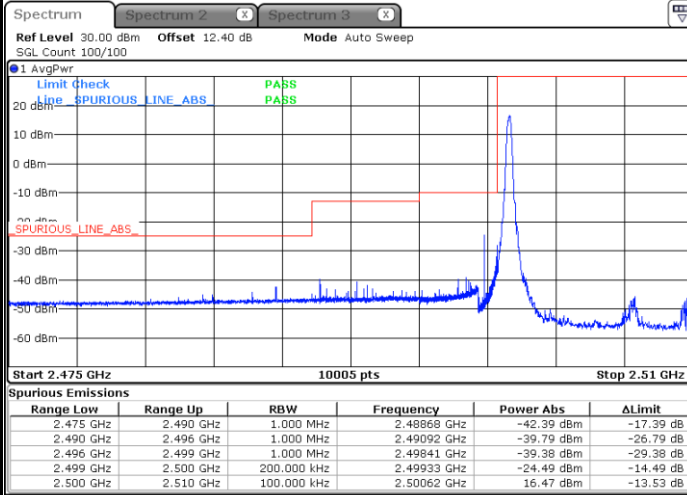


Date: 3 MAY 2021 13:12:42



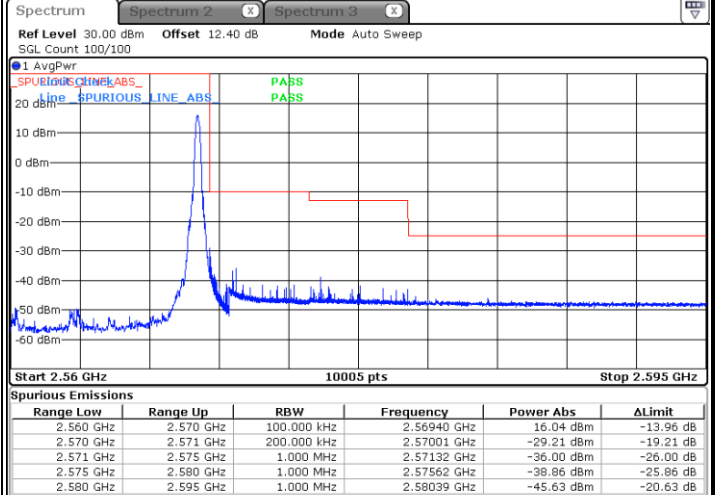
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



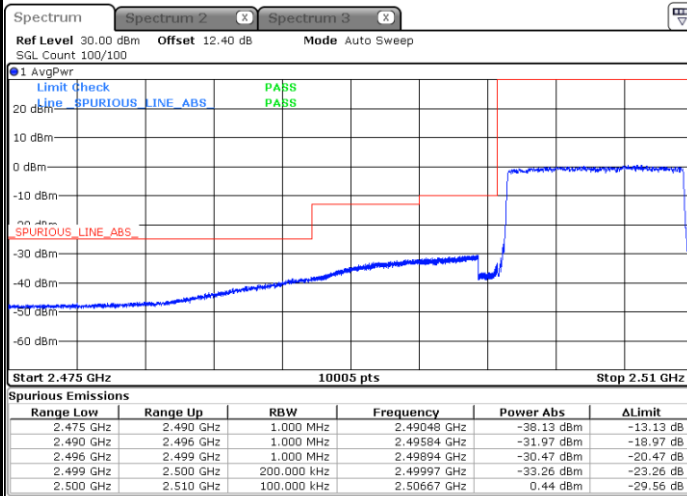
Date: 3 MAY 2021 13:05:22

Highest Band Edge / 1 RB



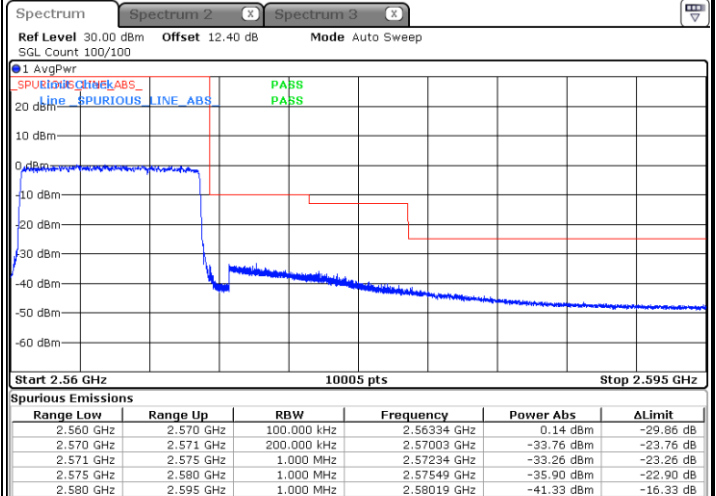
Date: 3 MAY 2021 13:12:00

Lowest Band Edge / Full RB



Date: 3 MAY 2021 13:06:46

Highest Band Edge / Full RB

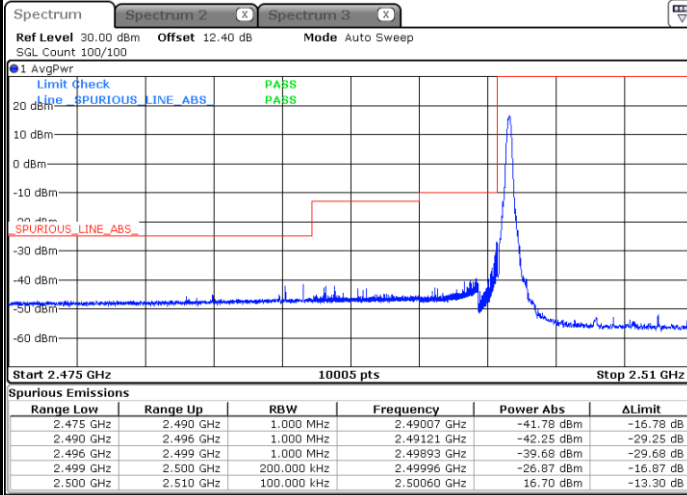


Date: 3 MAY 2021 13:13:24



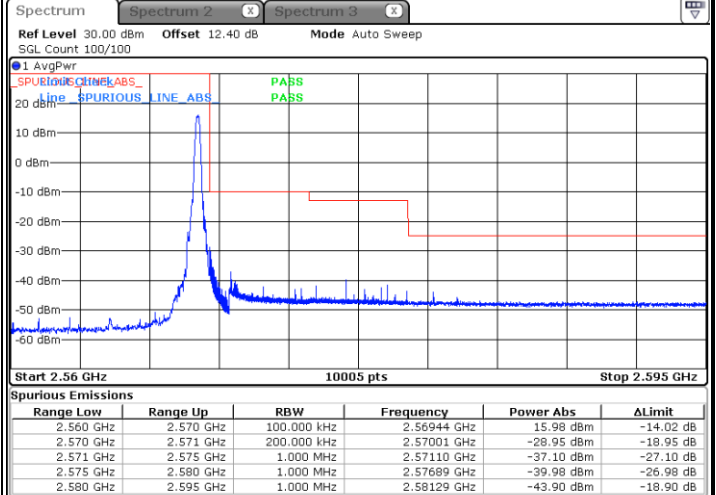
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



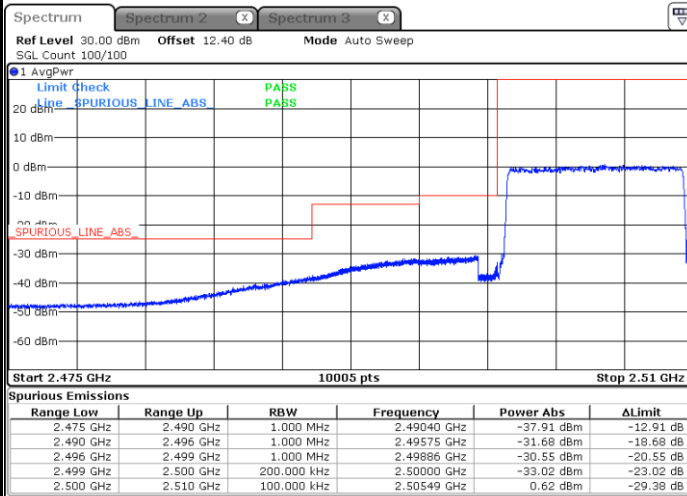
Date: 3 MAY 2021 13:15:17

Highest Band Edge / 1 RB



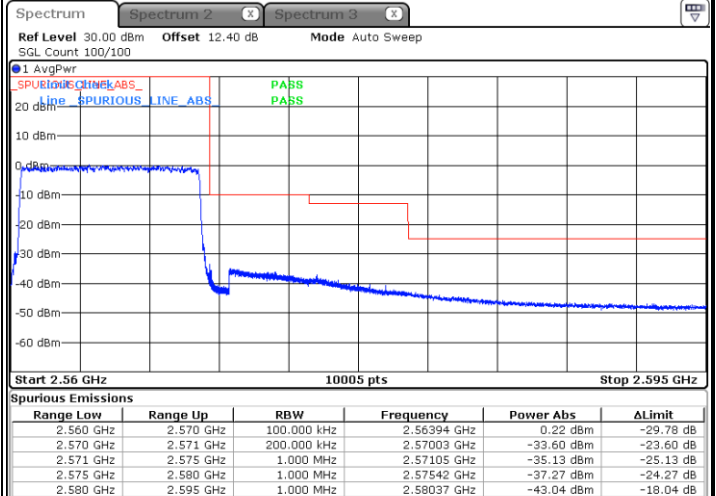
Date: 3 MAY 2021 13:17:26

Lowest Band Edge / Full RB



Date: 3 MAY 2021 13:16:00

Highest Band Edge / Full RB

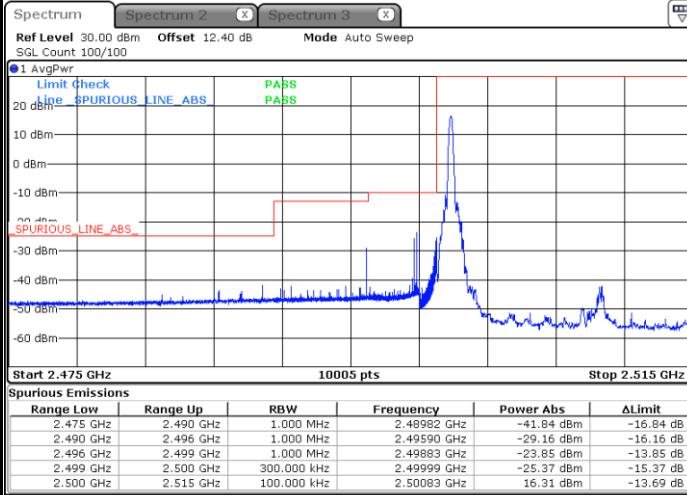


Date: 3 MAY 2021 13:18:08



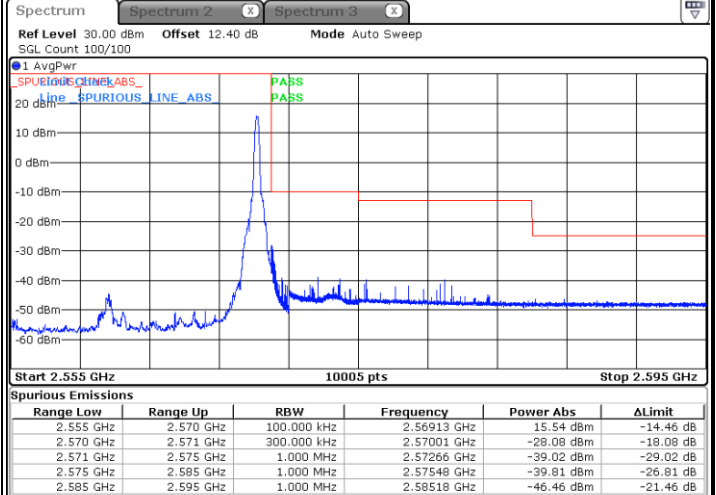
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



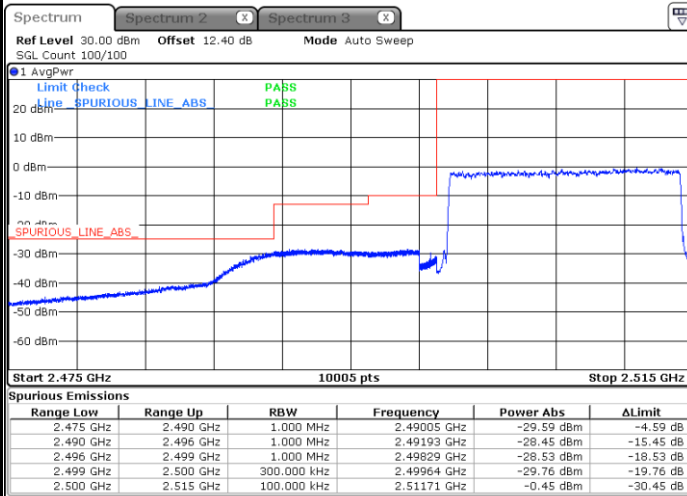
Date: 3 MAY 2021 13:18:51

Highest Band Edge / 1 RB



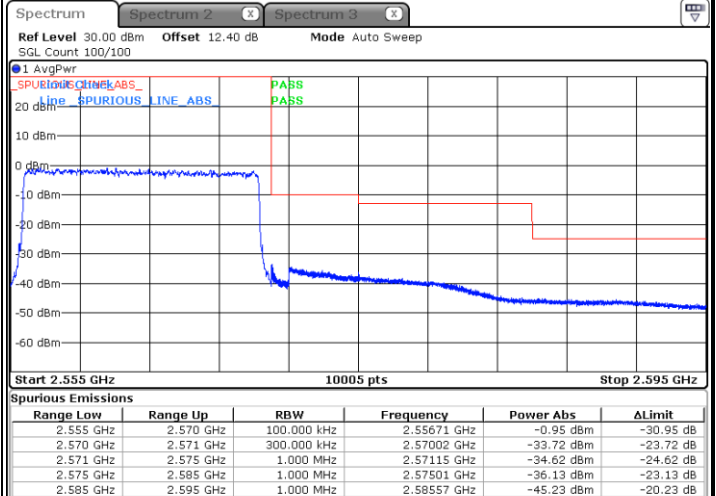
Date: 3 MAY 2021 13:25:30

Lowest Band Edge / Full RB



Date: 3 MAY 2021 13:20:16

Highest Band Edge / Full RB

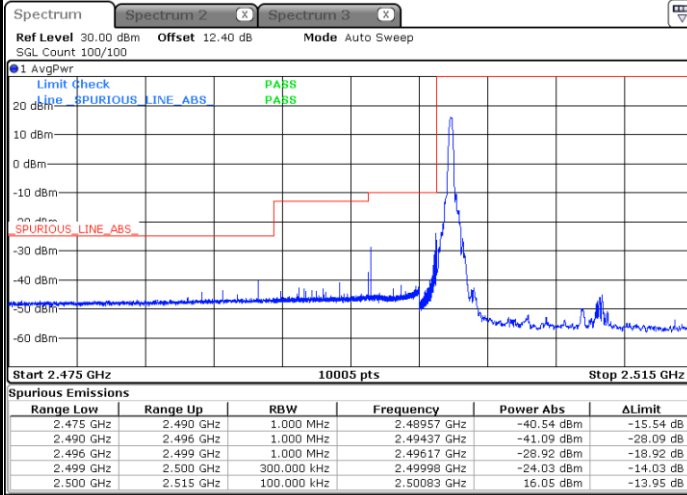


Date: 3 MAY 2021 13:26:54



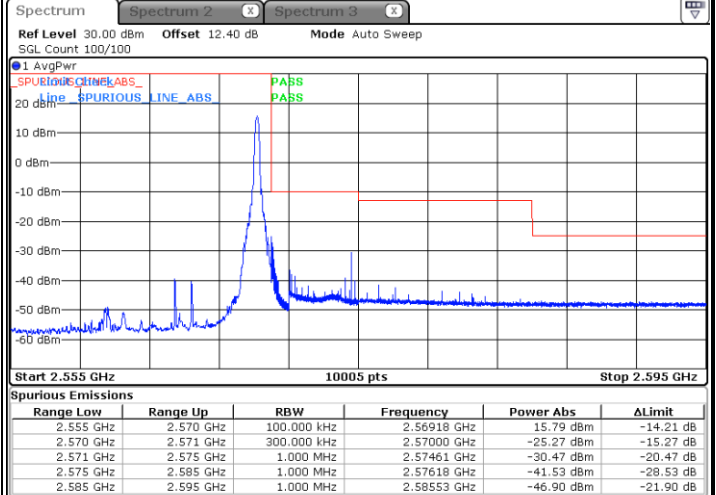
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



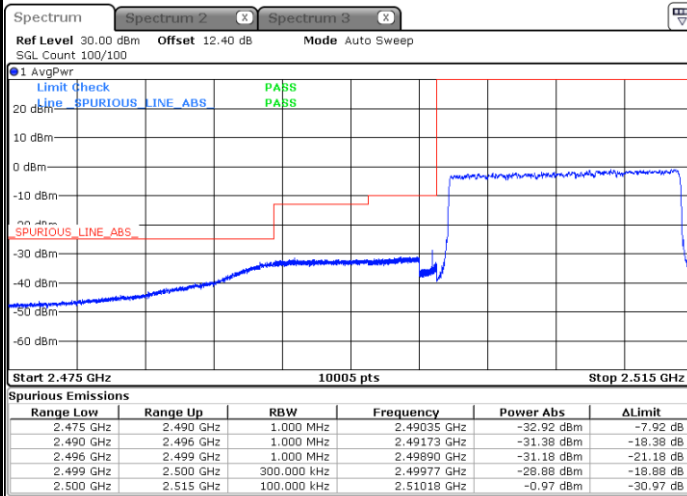
Date: 3 MAY 2021 13:19:34

Highest Band Edge / 1 RB



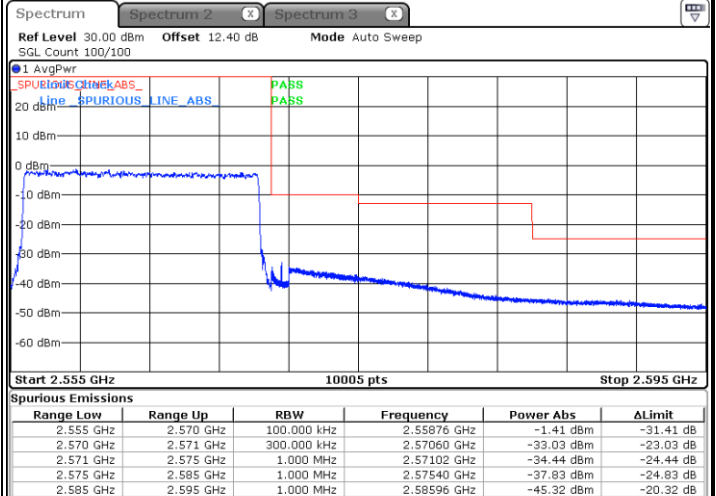
Date: 3 MAY 2021 13:26:11

Lowest Band Edge / Full RB



Date: 3 MAY 2021 13:20:58

Highest Band Edge / Full RB

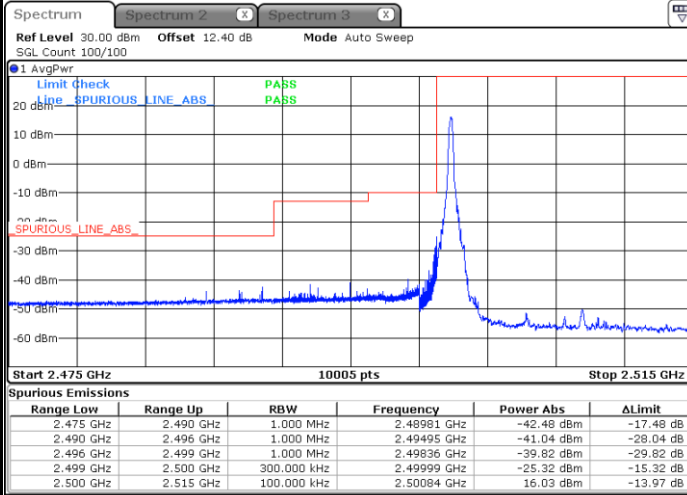


Date: 3 MAY 2021 13:27:36



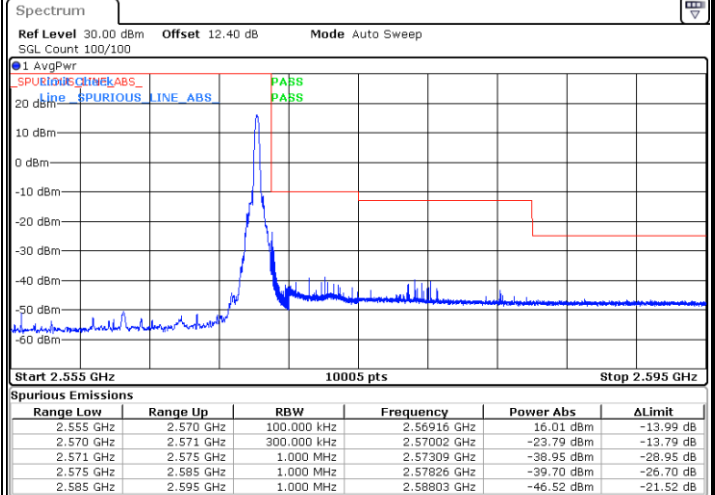
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



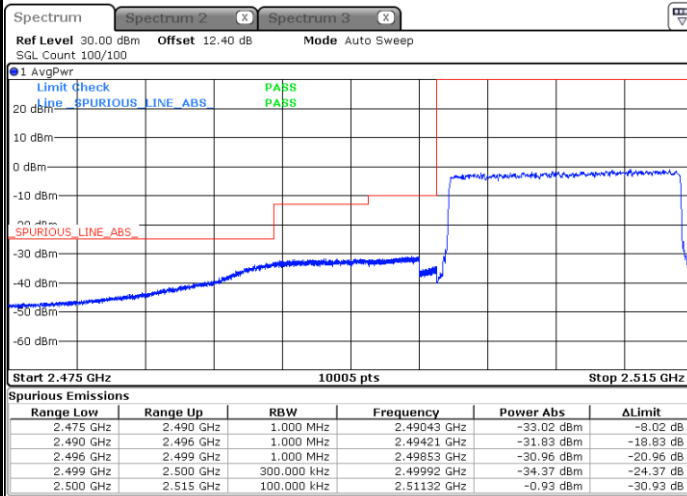
Date: 3 MAY 2021 13:29:29

Highest Band Edge / 1 RB



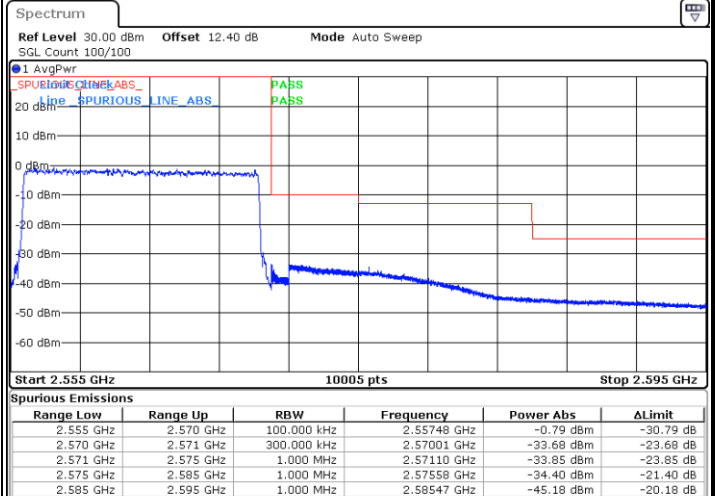
Date: 3 MAY 2021 14:42:46

Lowest Band Edge / Full RB



Date: 3 MAY 2021 13:30:12

Highest Band Edge / Full RB

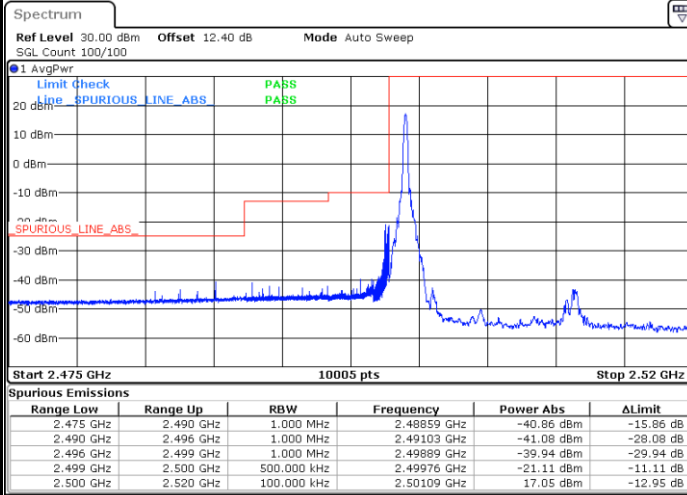


Date: 3 MAY 2021 14:43:28



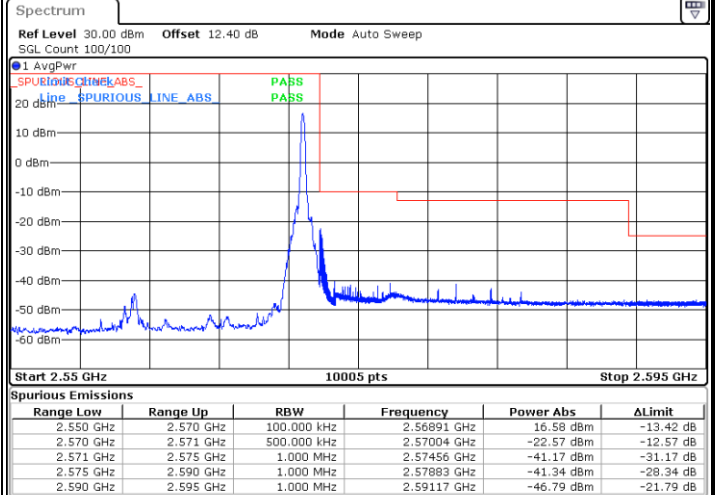
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



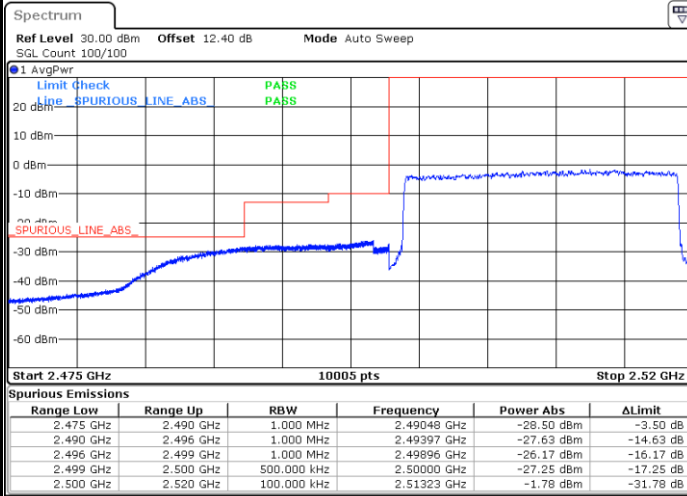
Date: 3 MAY 2021 14:44:10

Highest Band Edge / 1 RB



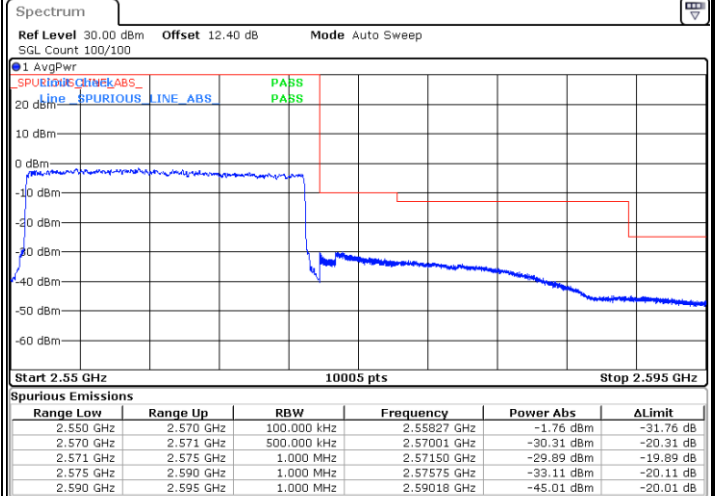
Date: 3 MAY 2021 14:50:47

Lowest Band Edge / Full RB



Date: 4 MAY 2021 10:12:48

Highest Band Edge / Full RB



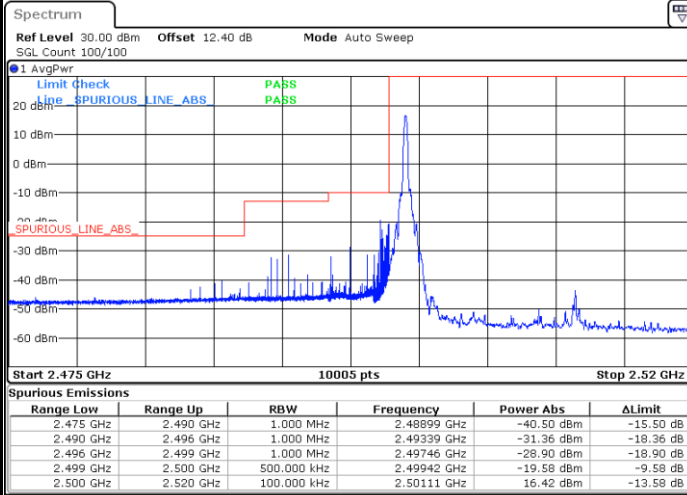
Date: 3 MAY 2021 14:52:52





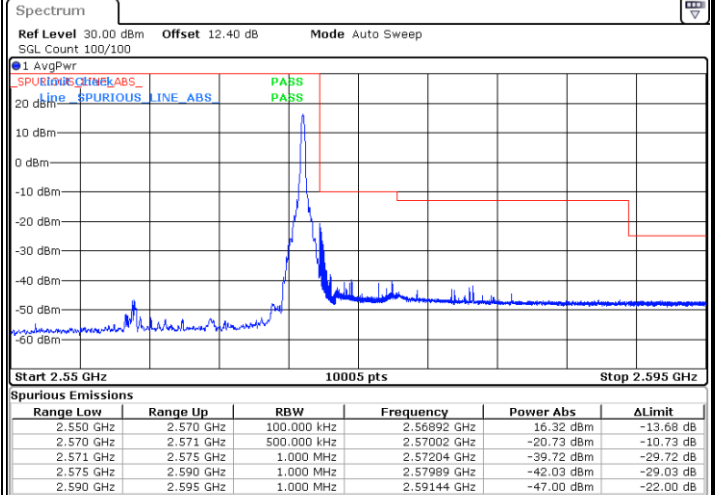
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



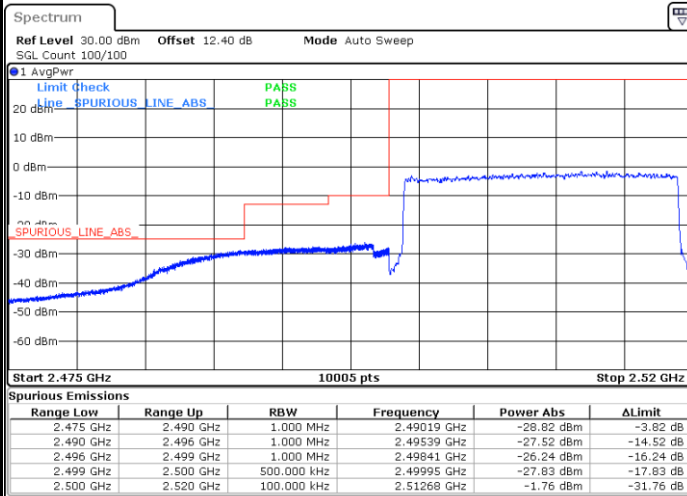
Date: 3 MAY 2021 14:44:51

Highest Band Edge / 1 RB



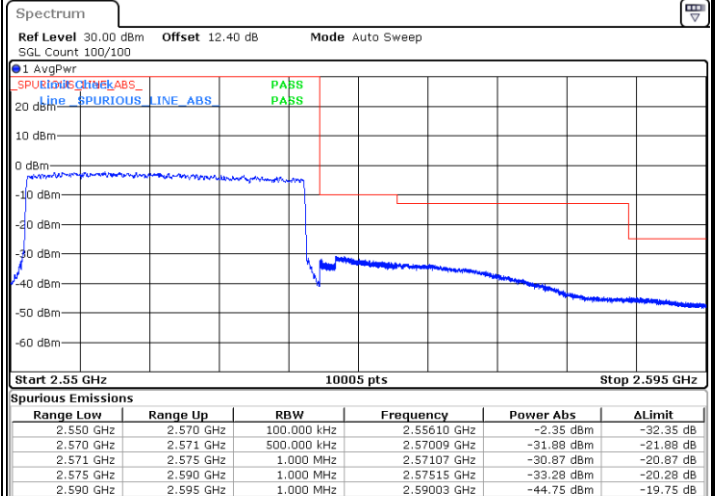
Date: 3 MAY 2021 14:51:29

Lowest Band Edge / Full RB



Date: 3 MAY 2021 14:46:16

Highest Band Edge / Full RB

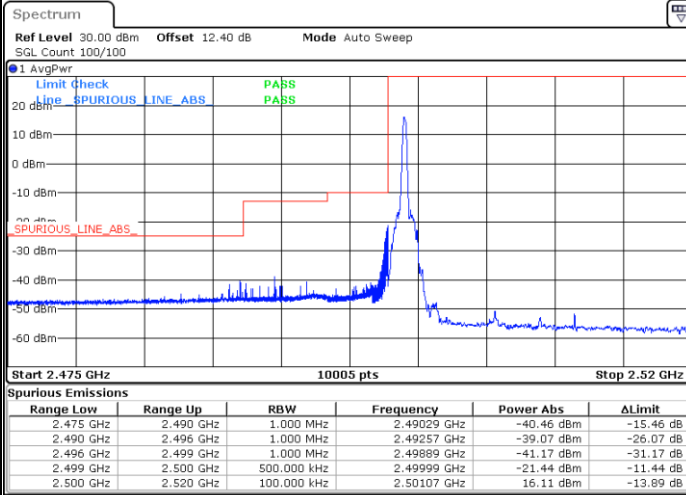


Date: 3 MAY 2021 14:52:11



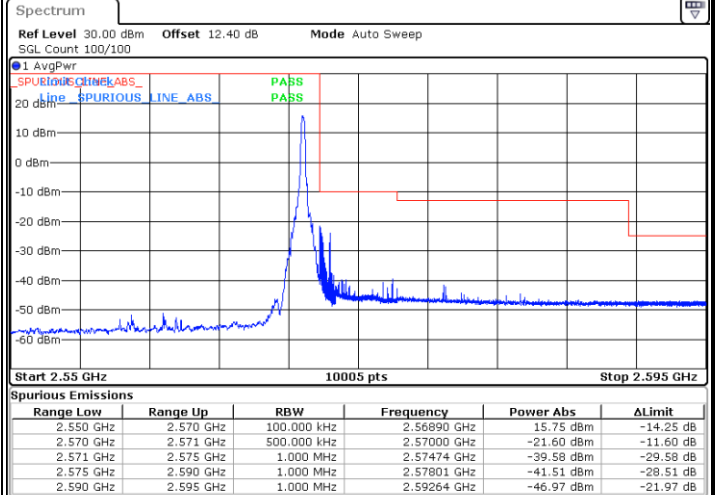
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



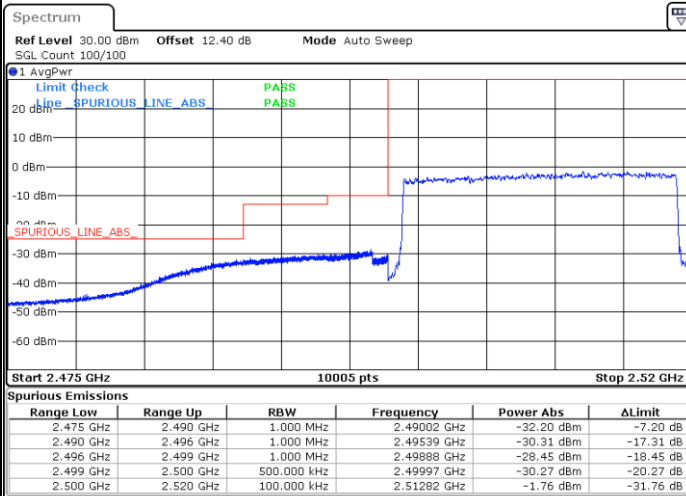
Date: 3 MAY 2021 14:54:44

Highest Band Edge / 1 RB



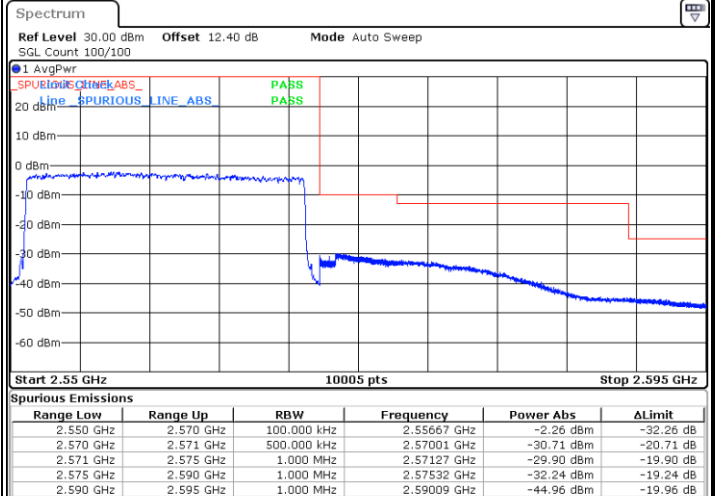
Date: 3 MAY 2021 14:56:52

Lowest Band Edge / Full RB



Date: 3 MAY 2021 14:55:26

Highest Band Edge / Full RB



Date: 3 MAY 2021 14:57:33

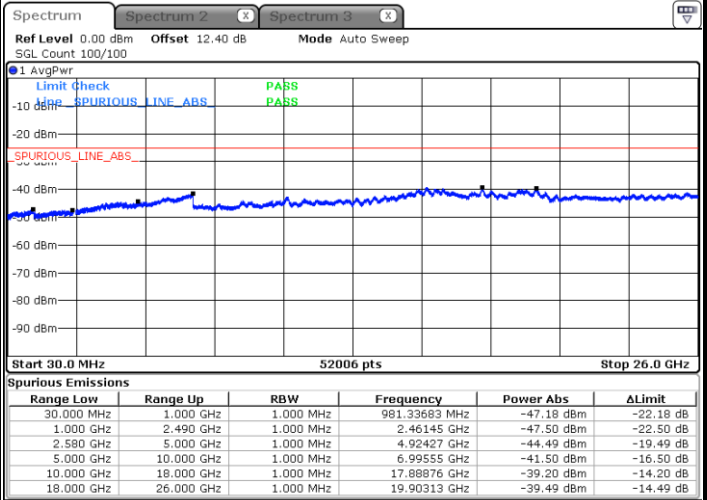
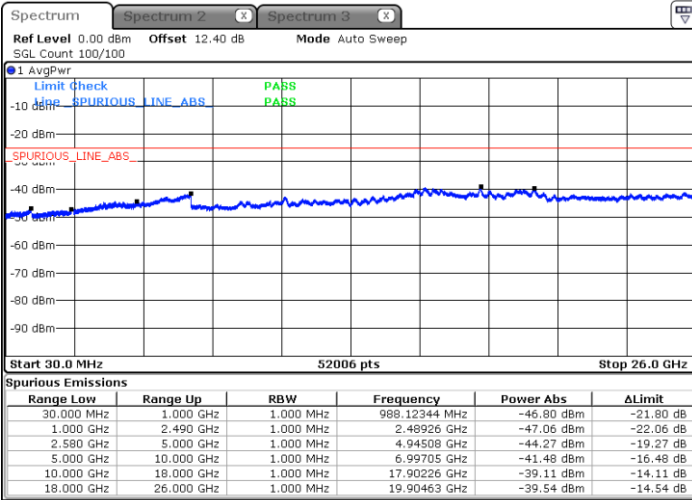


# Conducted Spurious Emission

## LTE Band 7 / 5MHz

### Lowest Channel / QPSK

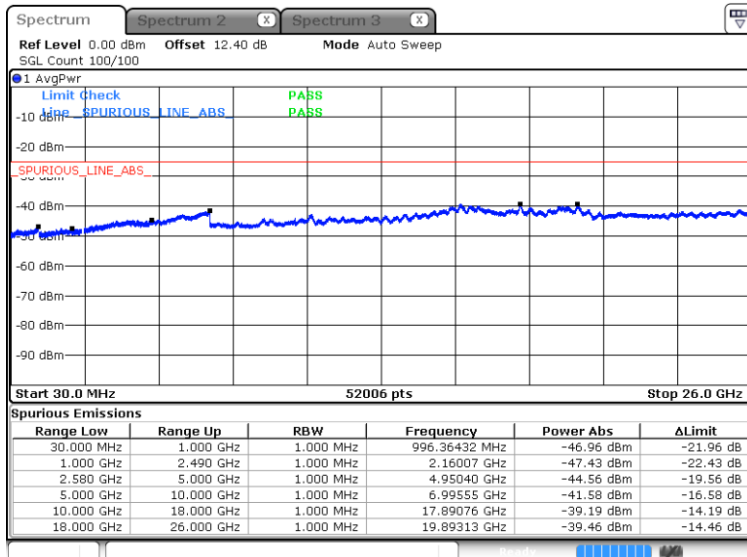
### Middle Channel / QPSK



Date: 3.MAY.2021 12:50:13

Date: 3.MAY.2021 12:56:24

### Highest Channel / QPSK



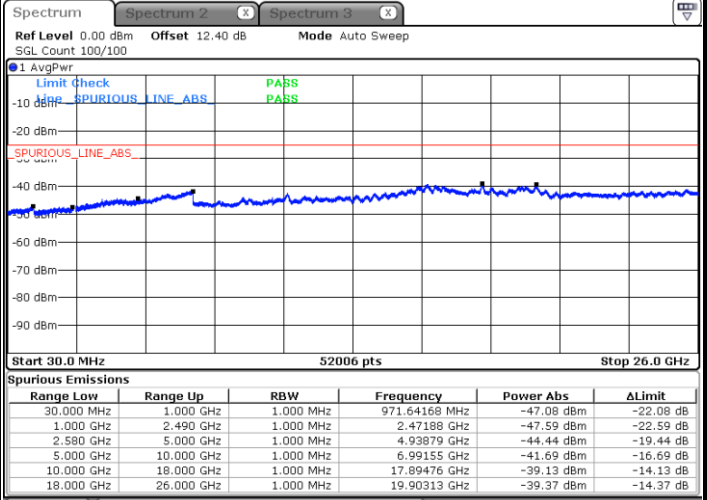
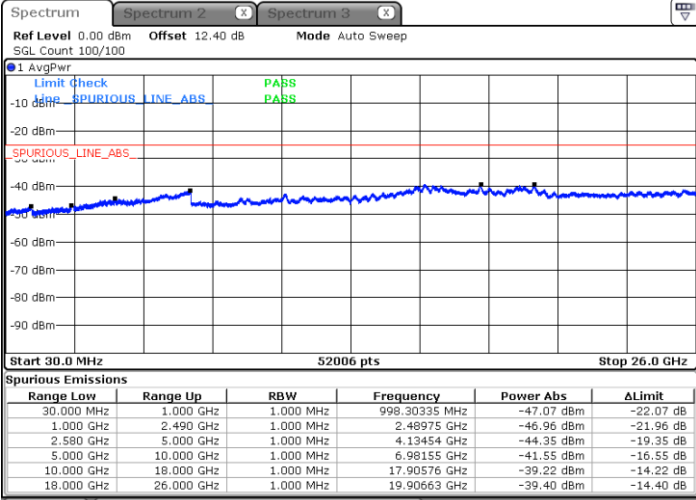
Date: 3.MAY.2021 13:00:23



LTE Band 7 / 10MHz

Lowest Channel / QPSK

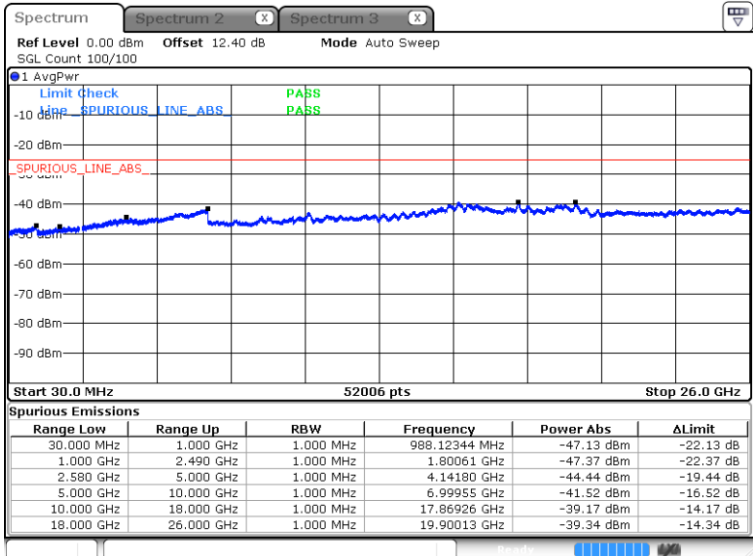
Middle Channel / QPSK



Date: 3.MAY.2021 13:07:57

Date: 3.MAY.2021 13:10:36

Highest Channel / QPSK



Date: 3.MAY.2021 13:14:35