

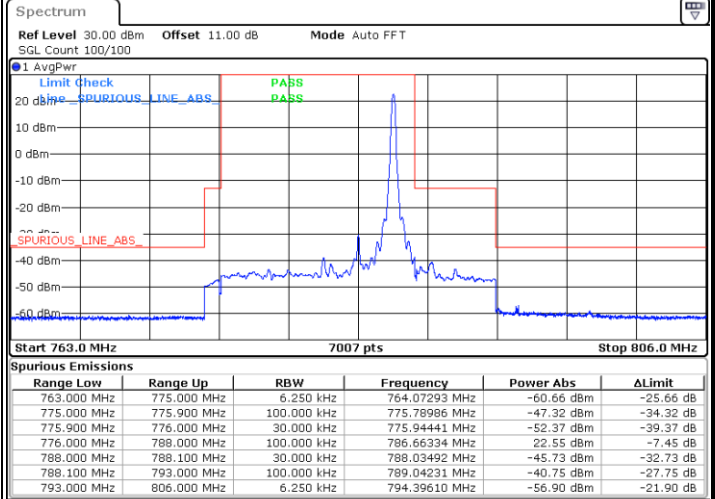
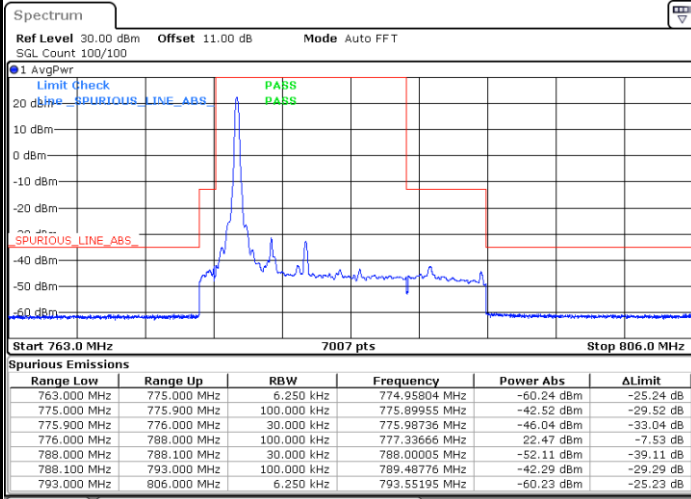


# Conducted Band Edge

## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

### Highest Band Edge / 1 RB

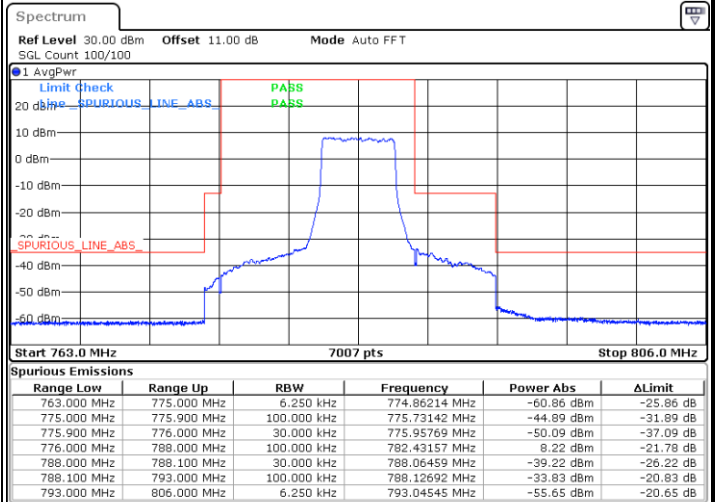
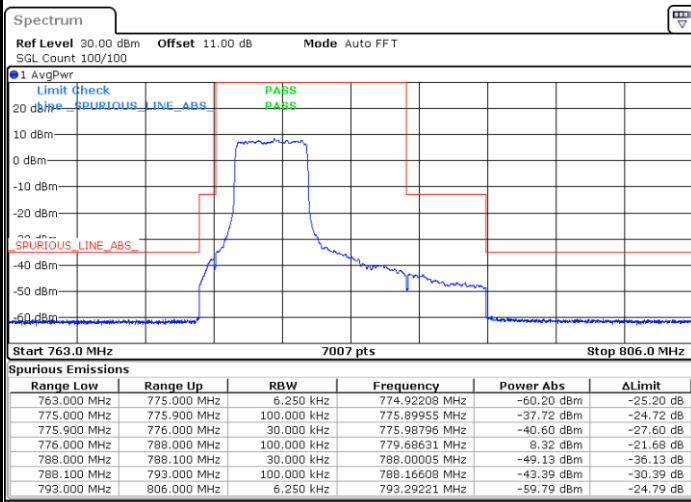


Date: 15.MAR.2023 19:39:06

Date: 15.MAR.2023 19:46:44

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB



Date: 15.MAR.2023 19:36:08

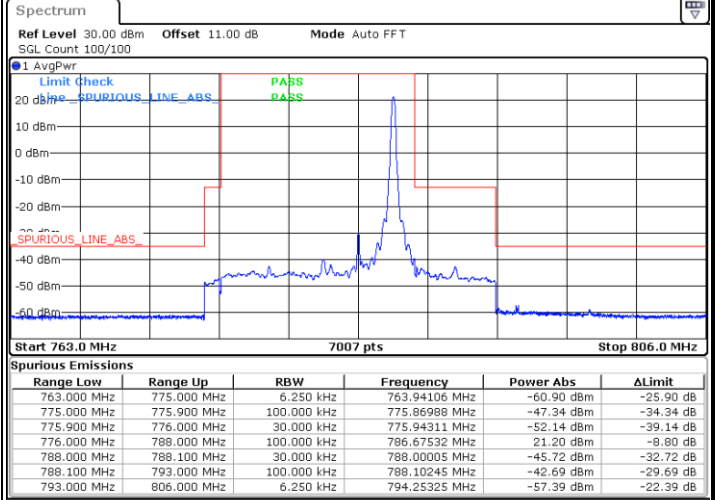
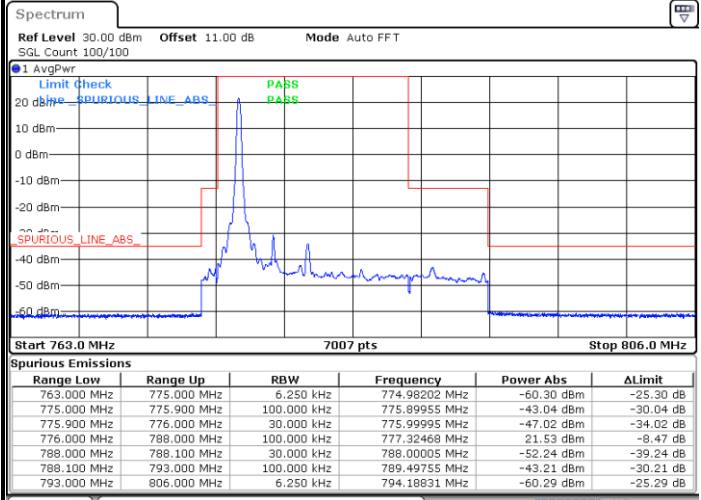
Date: 15.MAR.2023 19:43:46



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

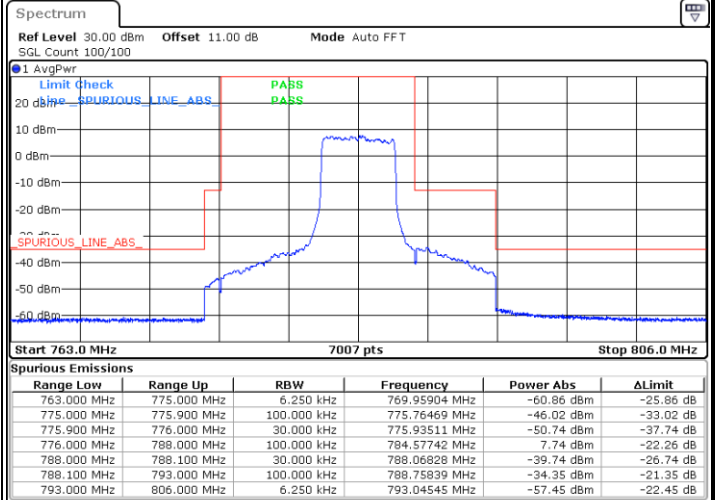
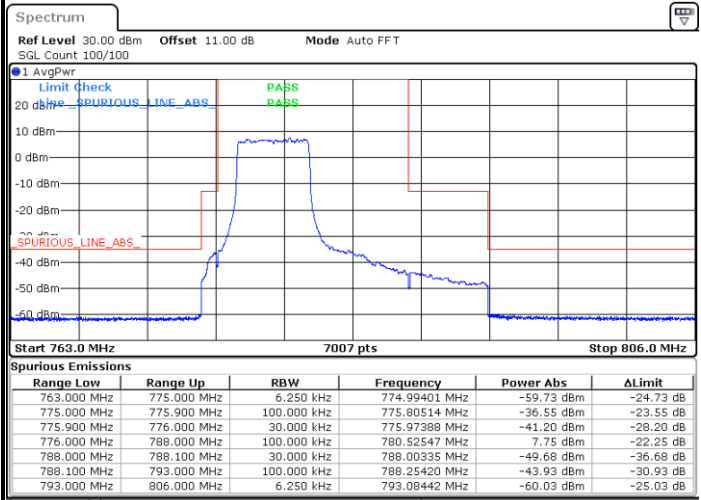


Date: 15.MAR.2023 19:38:07

Date: 15.MAR.2023 19:45:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.MAR.2023 19:37:08

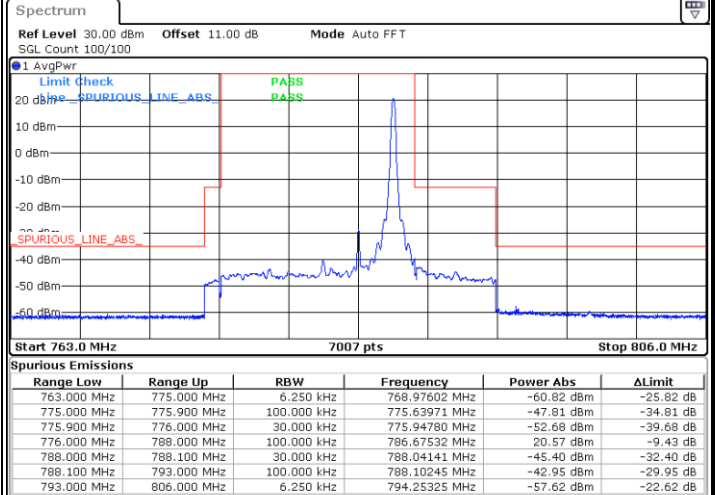
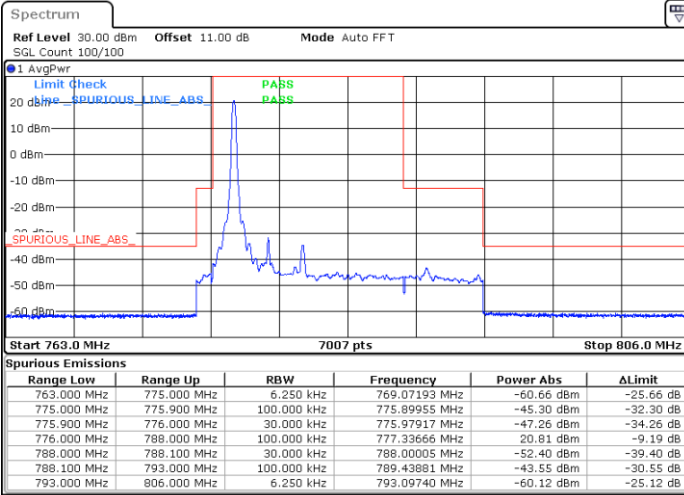
Date: 15.MAR.2023 19:44:46



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

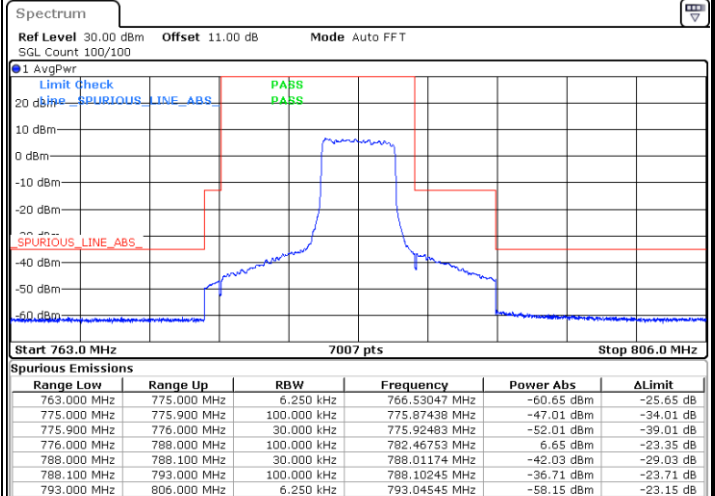
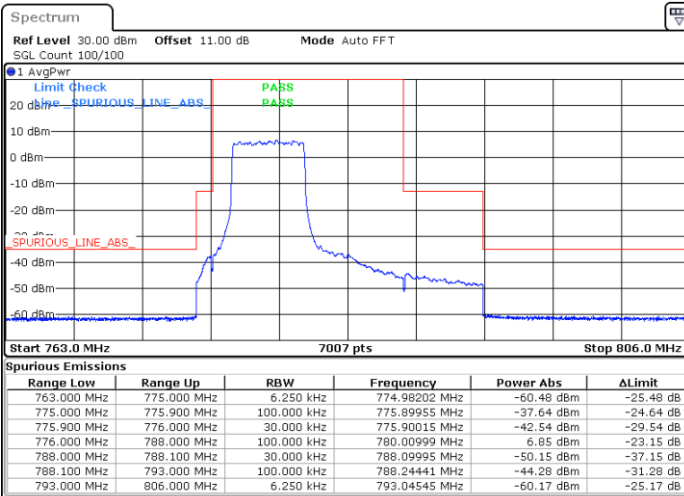


Date: 15.MAR.2023 19:49:53

Date: 15.MAR.2023 19:52:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



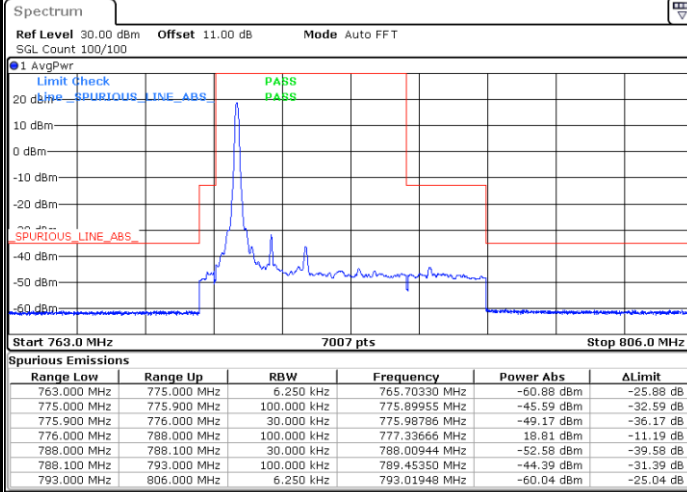
Date: 15.MAR.2023 19:48:53

Date: 15.MAR.2023 19:51:35



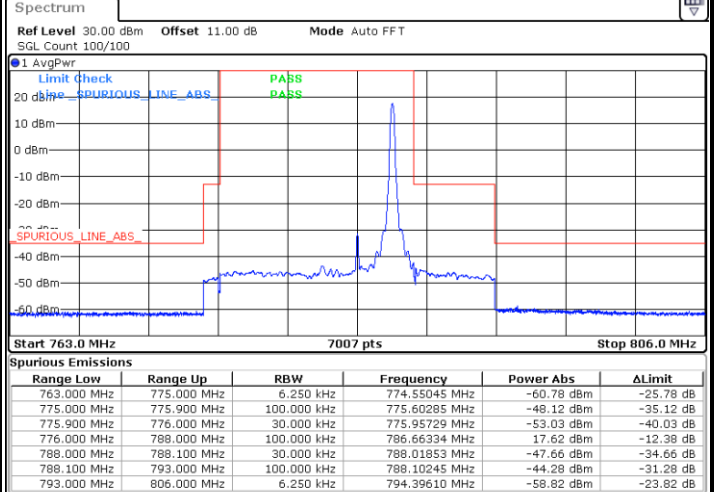
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



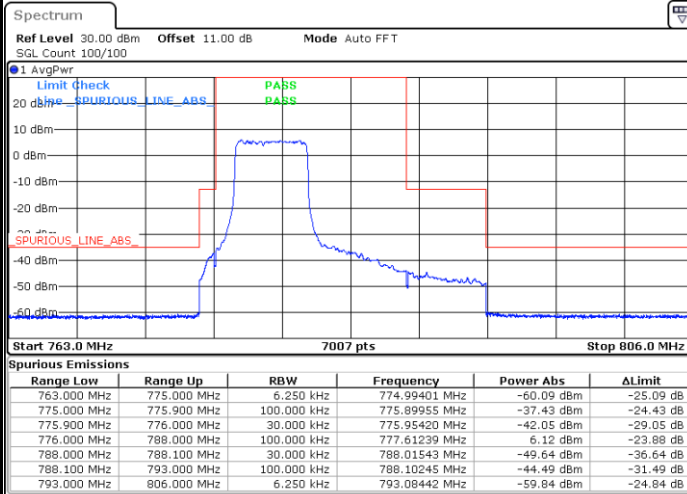
Date: 15.MAR.2023 20:00:51

Highest Band Edge / 1 RB



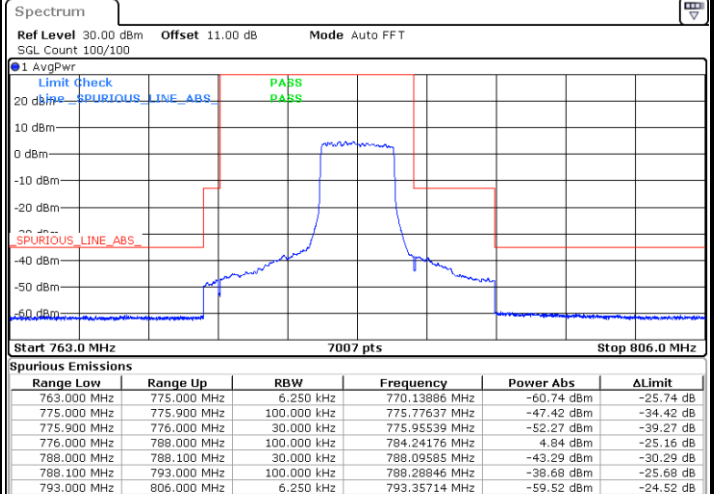
Date: 15.MAR.2023 20:03:34

Lowest Band Edge / Full RB

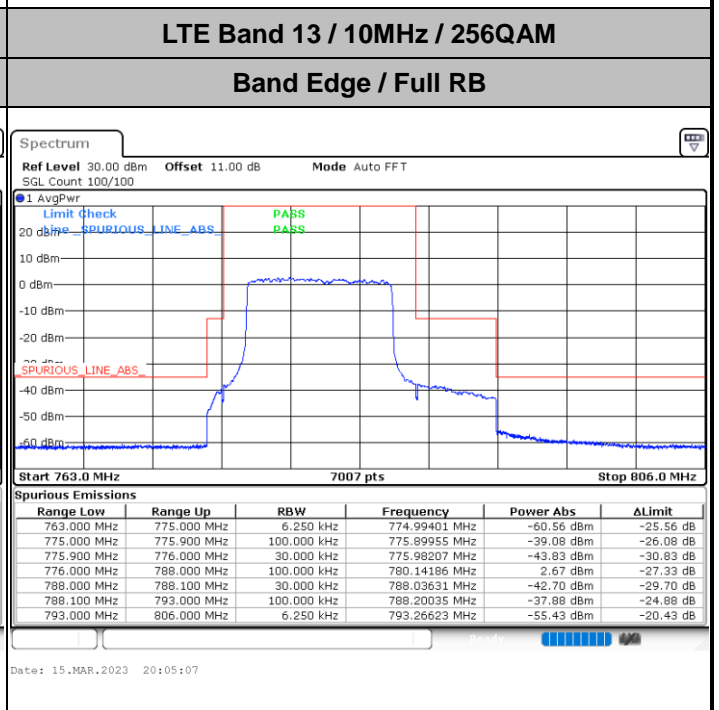
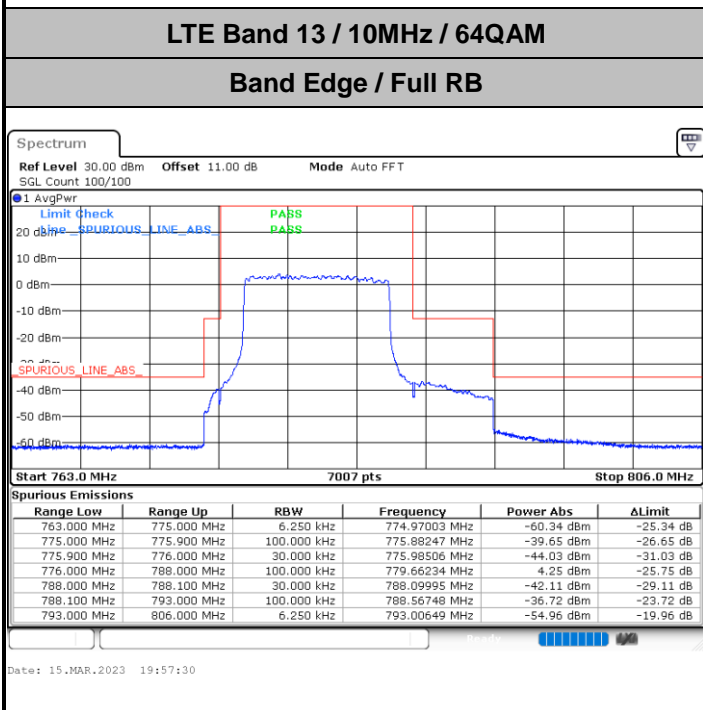
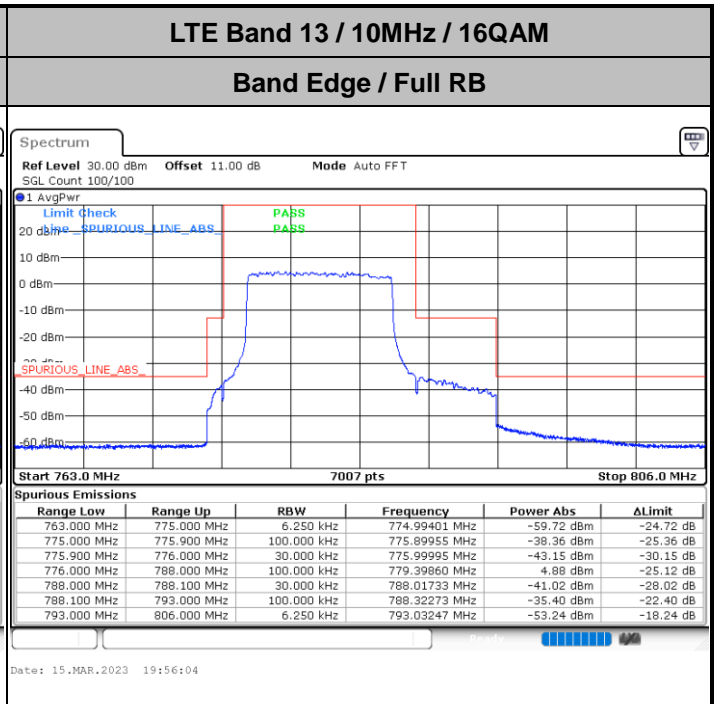
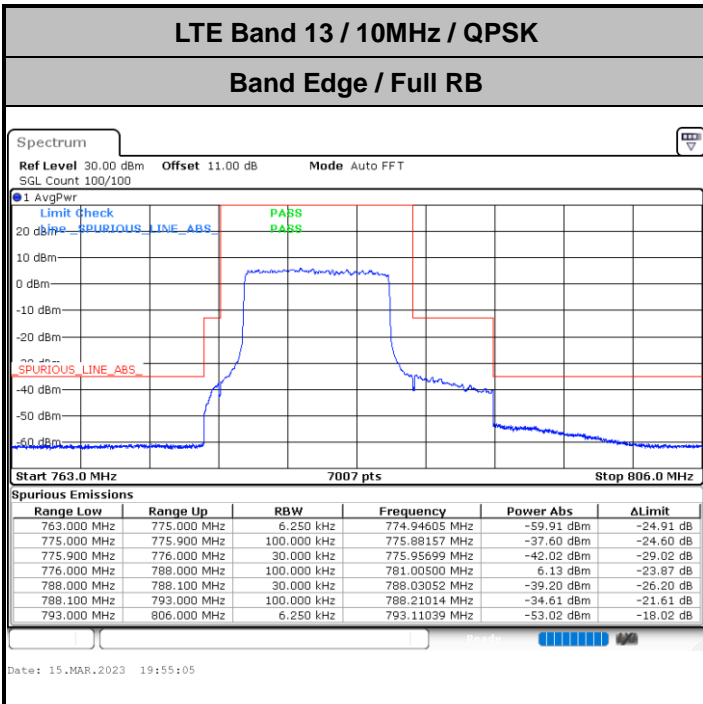


Date: 15.MAR.2023 19:59:52

Highest Band Edge / Full RB



Date: 15.MAR.2023 20:02:34

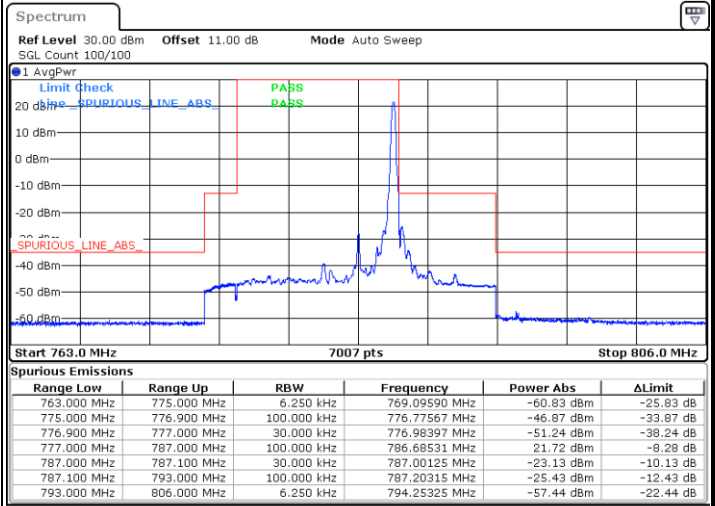
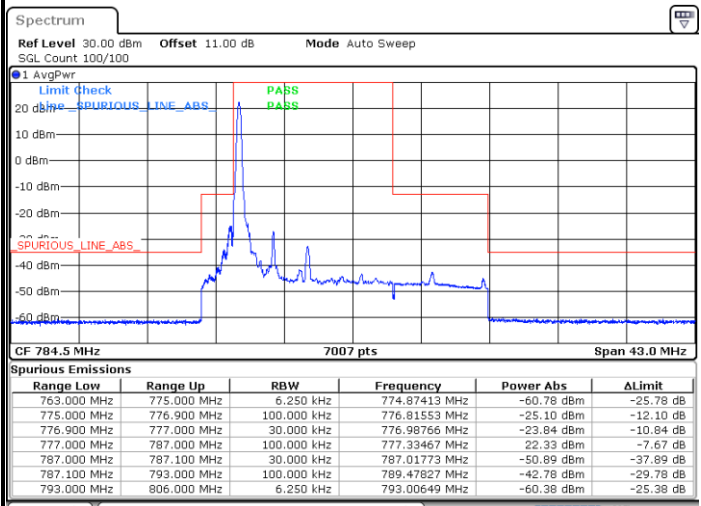




IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

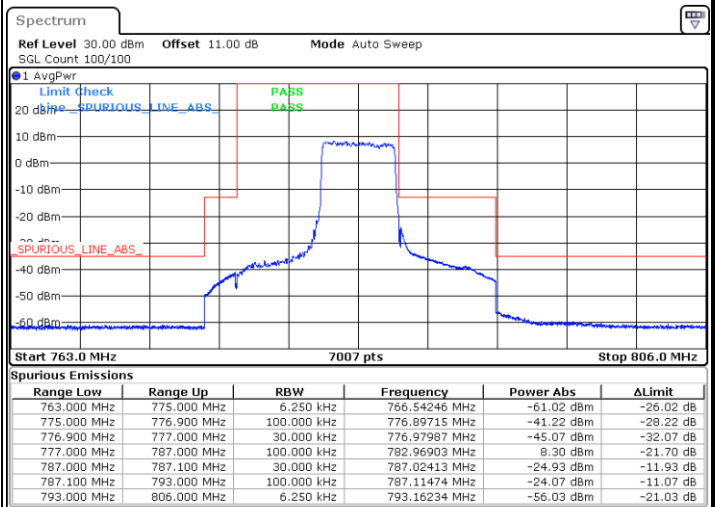
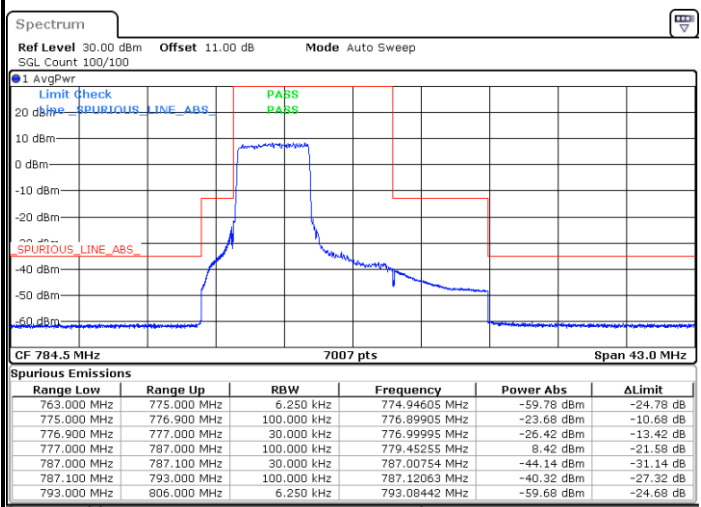


Date: 5.MAY.2023 00:48:57

Date: 5.MAY.2023 00:52:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



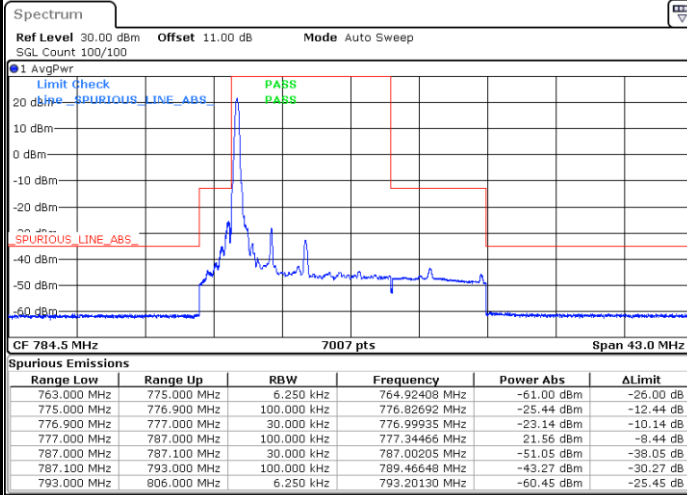
Date: 5.MAY.2023 00:46:08

Date: 5.MAY.2023 00:49:54



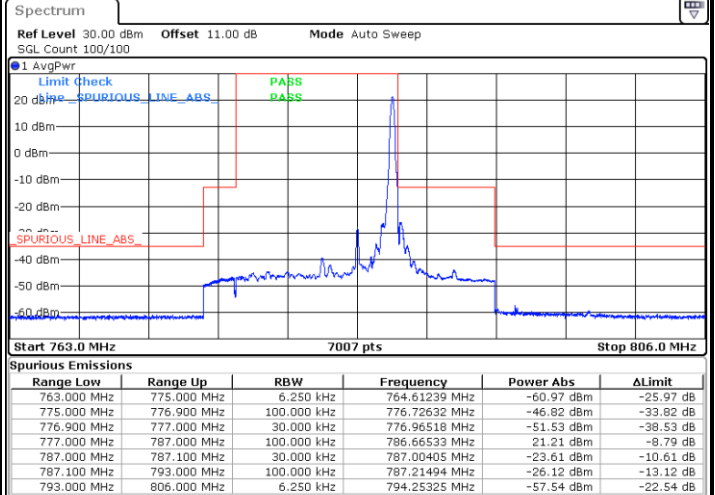
IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



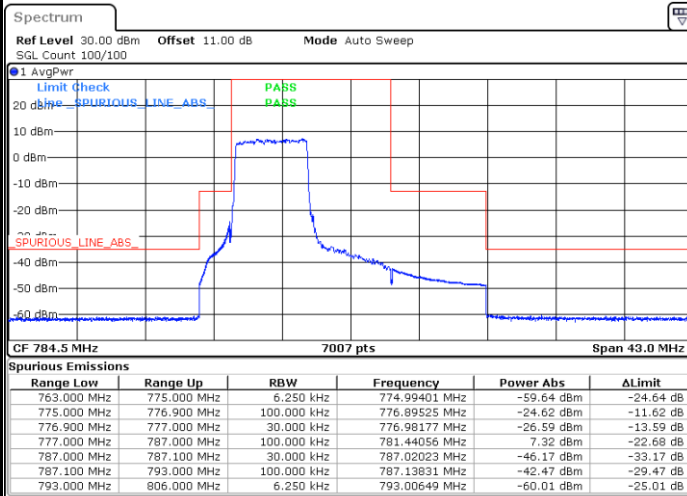
Date: 5.MAY.2023 00:48:01

Highest Band Edge / 1 RB



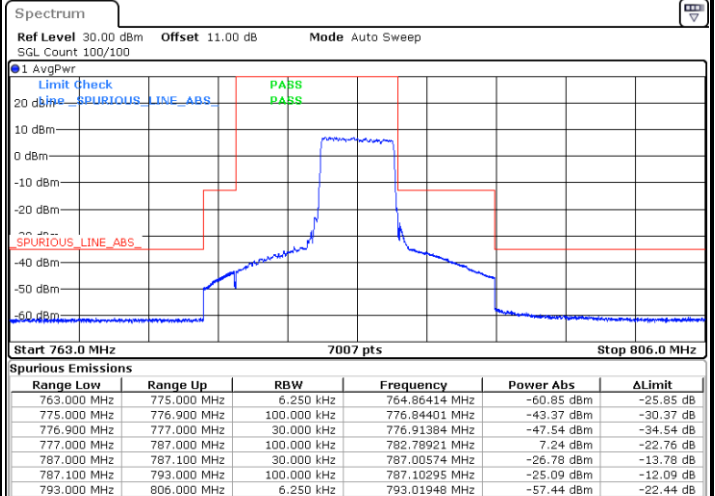
Date: 5.MAY.2023 00:51:46

Lowest Band Edge / Full RB



Date: 5.MAY.2023 00:47:05

Highest Band Edge / Full RB

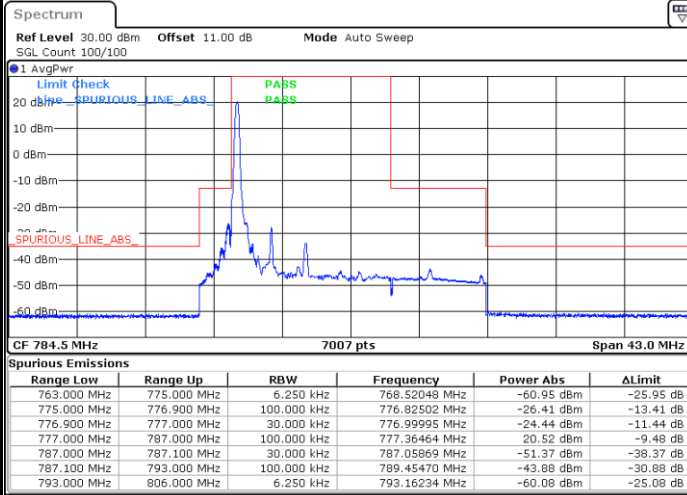


Date: 5.MAY.2023 00:50:50



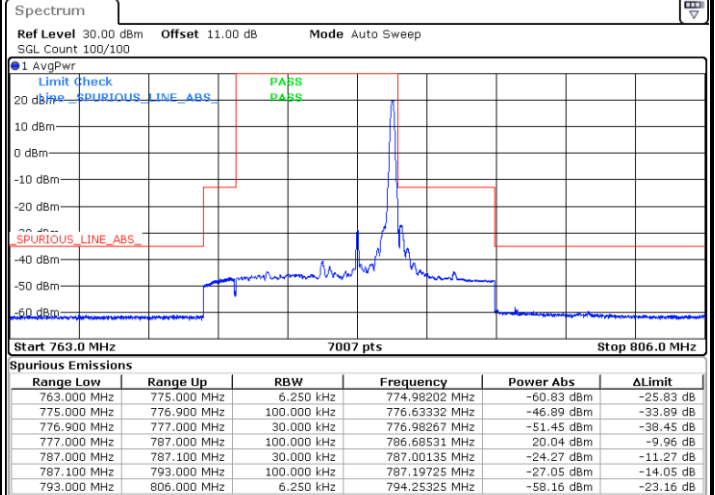
IC LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



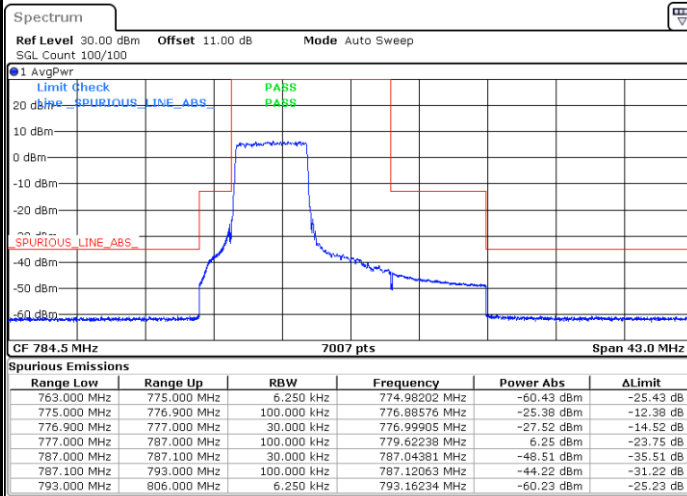
Date: 5.MAY.2023 00:54:35

Highest Band Edge / 1 RB



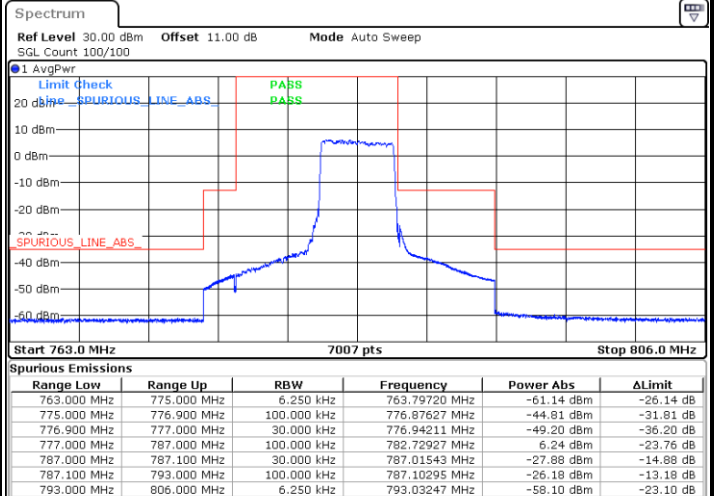
Date: 5.MAY.2023 00:56:29

Lowest Band Edge / Full RB



Date: 5.MAY.2023 00:53:39

Highest Band Edge / Full RB



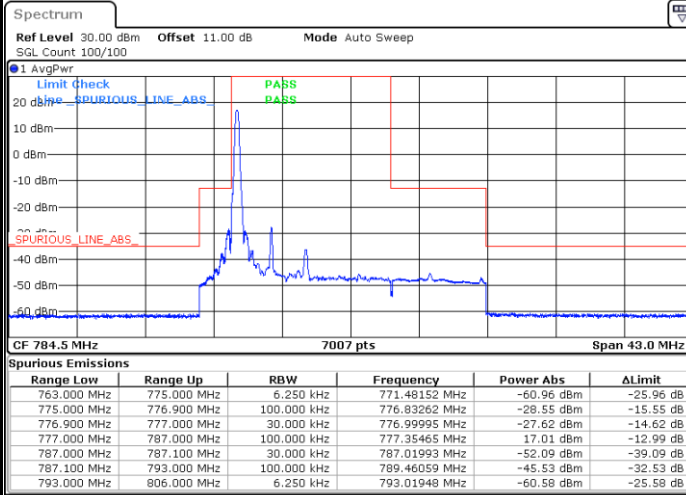
Date: 5.MAY.2023 00:55:32





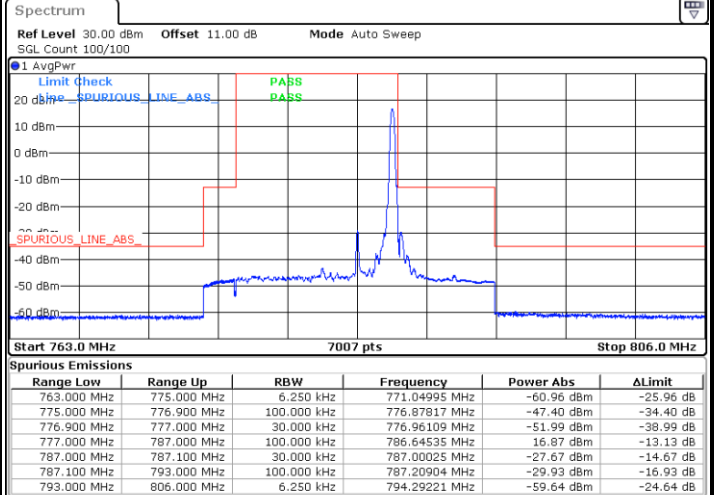
IC LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



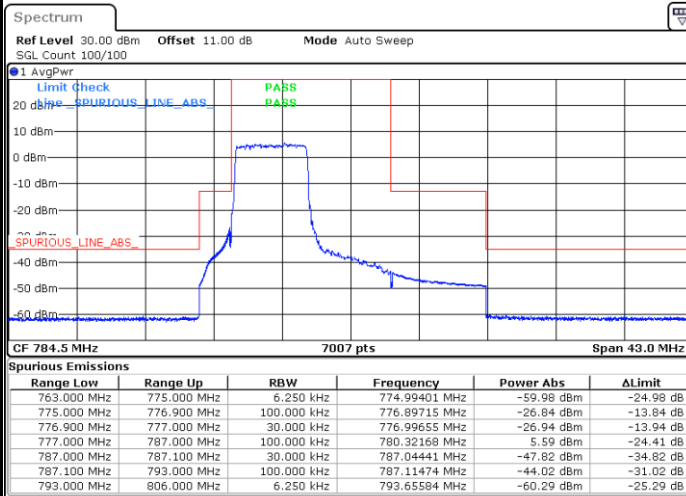
Date: 5.MAY.2023 00:58:22

Highest Band Edge / 1 RB



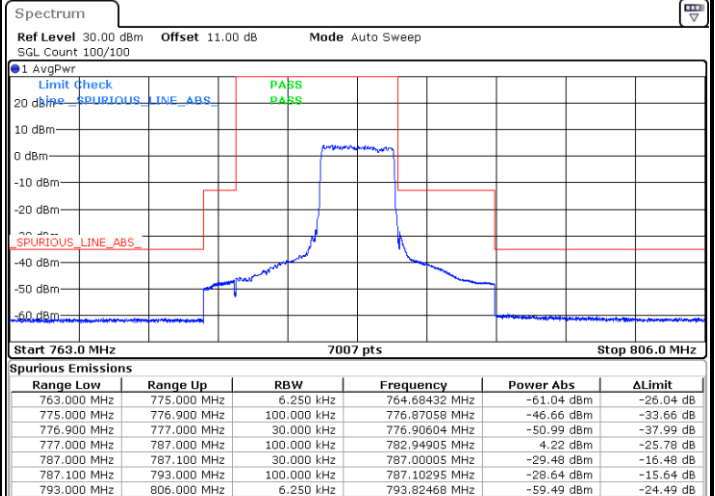
Date: 5.MAY.2023 01:00:15

Lowest Band Edge / Full RB

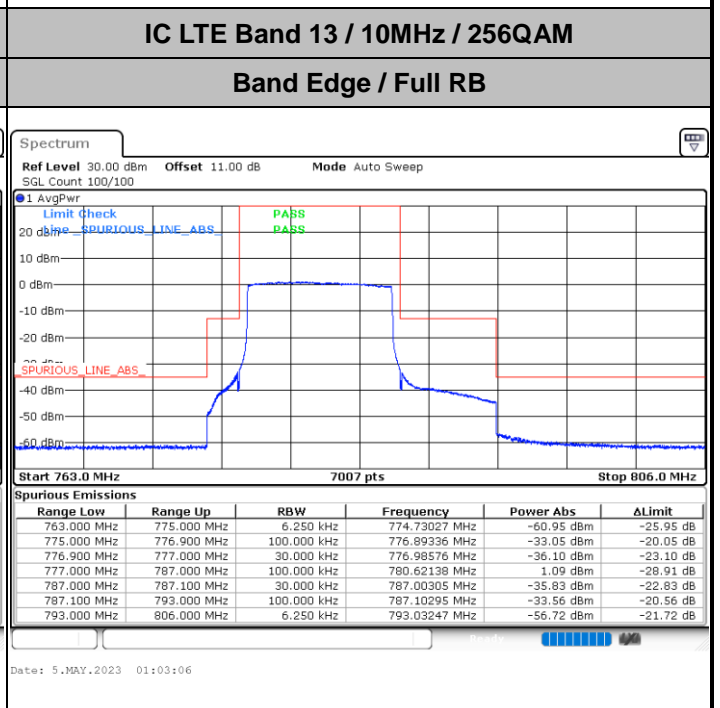
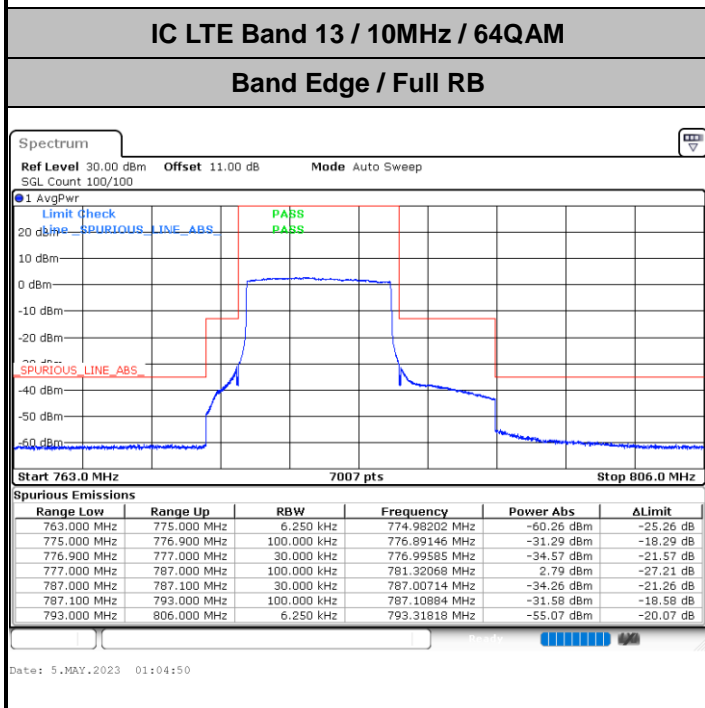
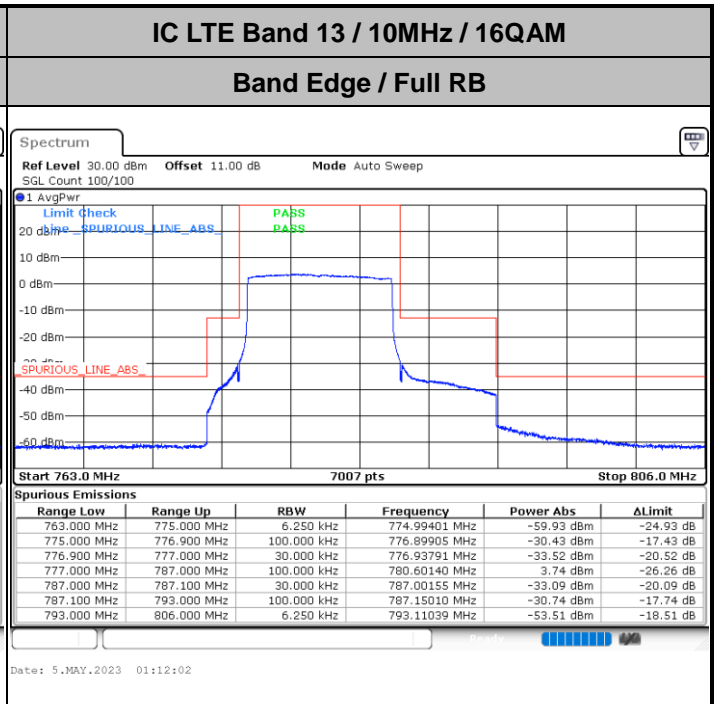
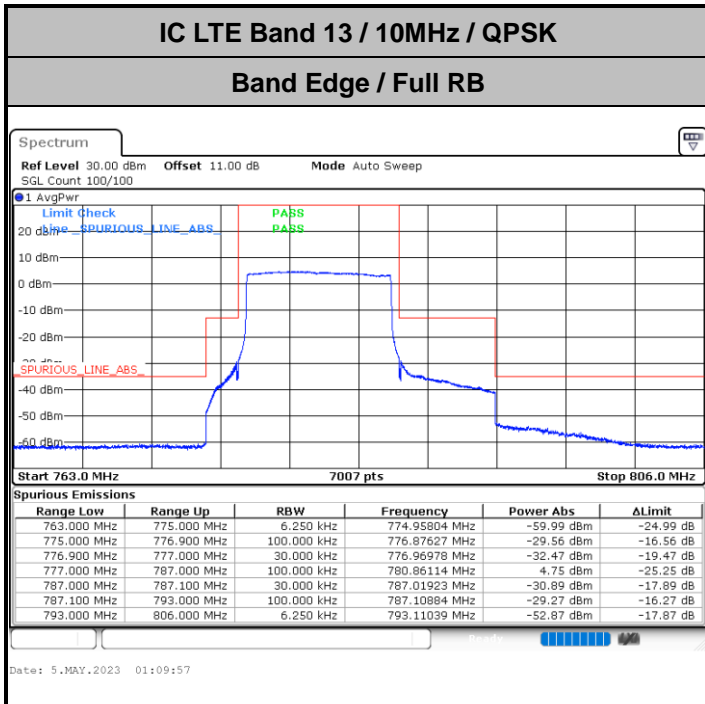


Date: 5.MAY.2023 00:57:26

Highest Band Edge / Full RB



Date: 5.MAY.2023 00:59:19

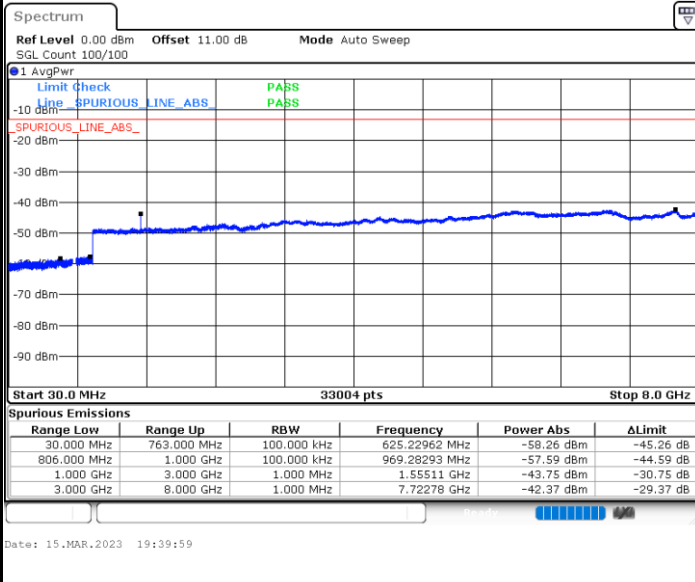




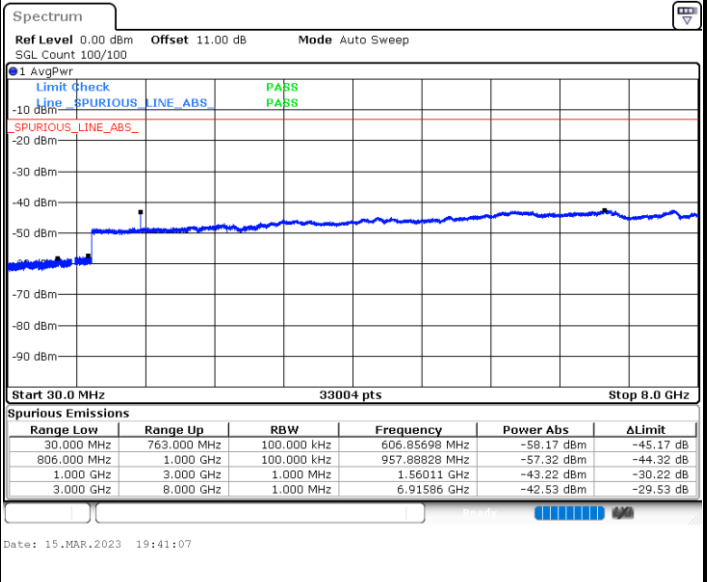
# Conducted Spurious Emission

## LTE Band 13 / 5MHz

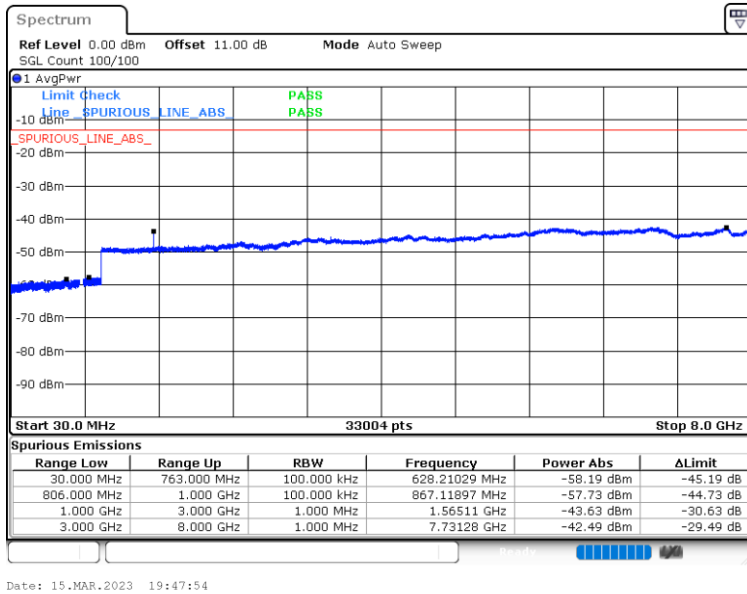
### Lowest Channel / QPSK



### Middle Channel / QPSK



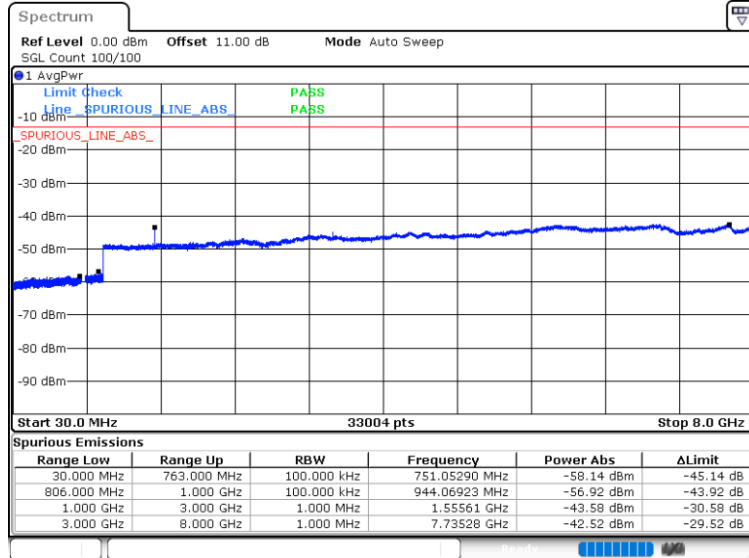
### Highest Channel / QPSK





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 15.MAR.2023 20:06:31



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	0.0058	PASS
40	Normal Voltage	0.0145	
30	Normal Voltage	0.0081	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0087	
-10	Normal Voltage	0.0055	
-20	Normal Voltage	0.0092	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0127	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 14

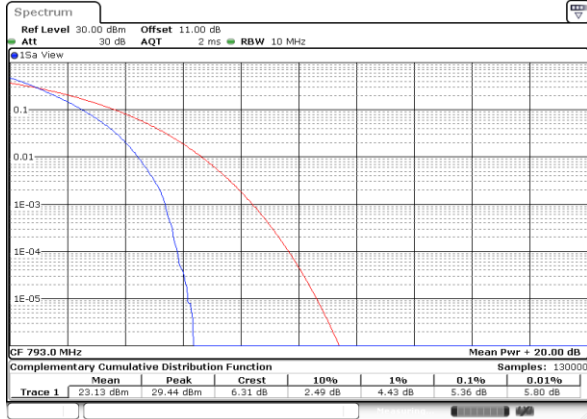
### Peak-to-Average Ratio

Mode	LTE Band 14 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.36	6.17	6.35	6.55	<b>PASS</b>



LTE Band 14 / 10MHz / QPSK

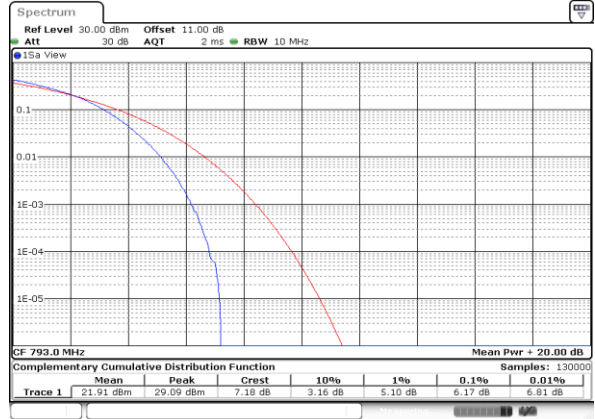
Middle Channel / Full RB



Date: 20.MAR.2023 15:44:50

LTE Band 14 / 10MHz / 16QAM

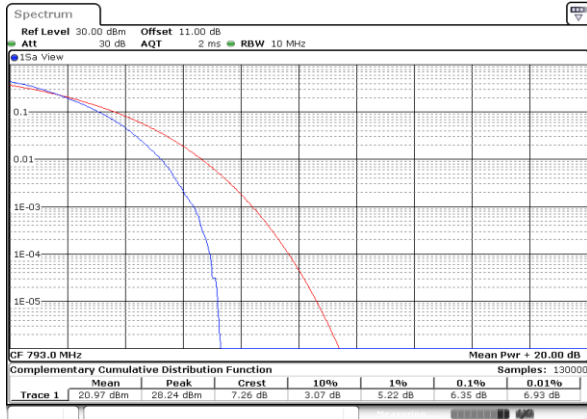
Middle Channel / Full RB



Date: 20.MAR.2023 15:45:16

LTE Band 14 / 10MHz / 64QAM

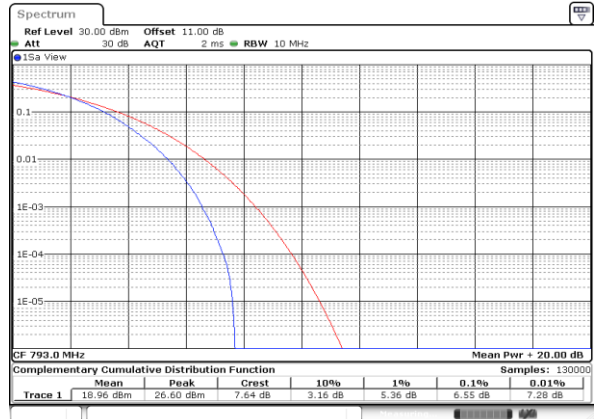
Middle Channel / Full RB



Date: 20.MAR.2023 15:50:18

LTE Band 14 / 10MHz / 256QAM

Middle Channel / Full RB



Date: 20.MAR.2023 15:50:59



**26dB Bandwidth**

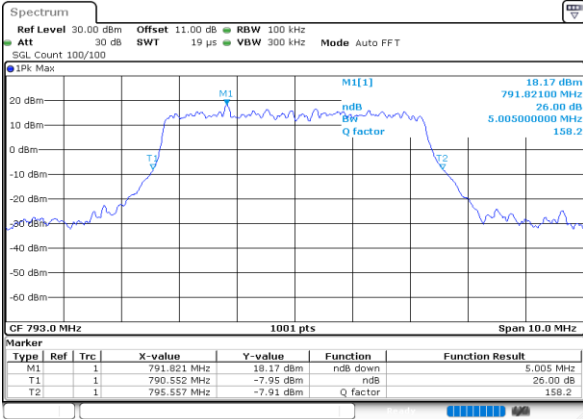
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.01	5.16	10.07	10.41	-	-	-	-
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.24	4.91	9.67	9.77	-	-	-	-





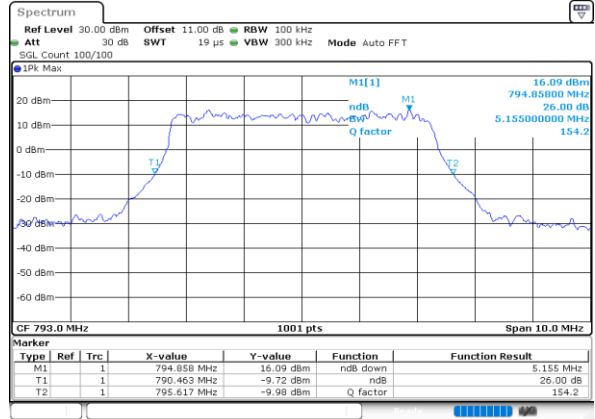
LTE Band 14

Middle Channel / 5MHz / QPSK



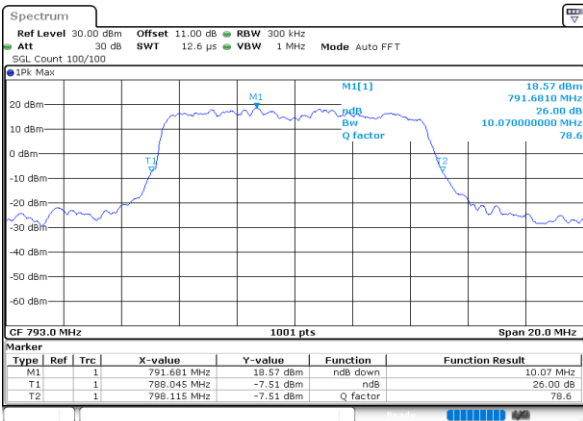
Date: 20.MAR.2023 15:04:49

Middle Channel / 5MHz / 16QAM



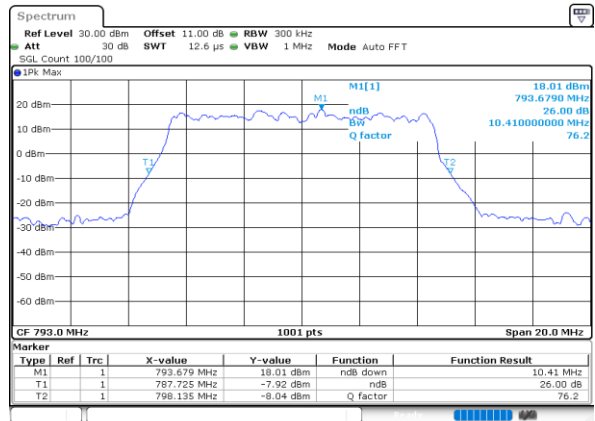
Date: 20.MAR.2023 15:05:15

Middle Channel / 10MHz / QPSK



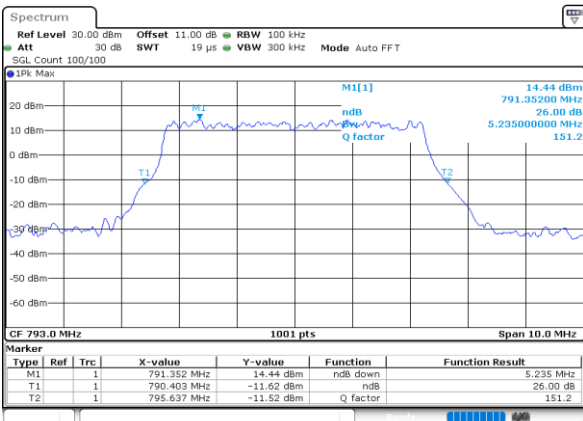
Date: 20.MAR.2023 15:44:35

Middle Channel / 10MHz / 16QAM



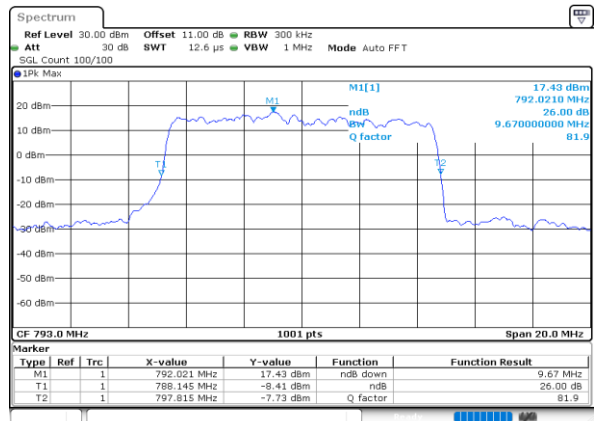
Date: 20.MAR.2023 15:45:45

Middle Channel / 5MHz / 64QAM



Date: 20.MAR.2023 15:06:09

Middle Channel / 10MHz / 64QAM



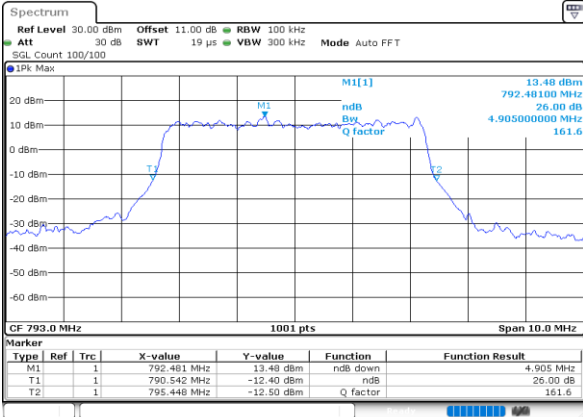
Date: 20.MAR.2023 15:50:32



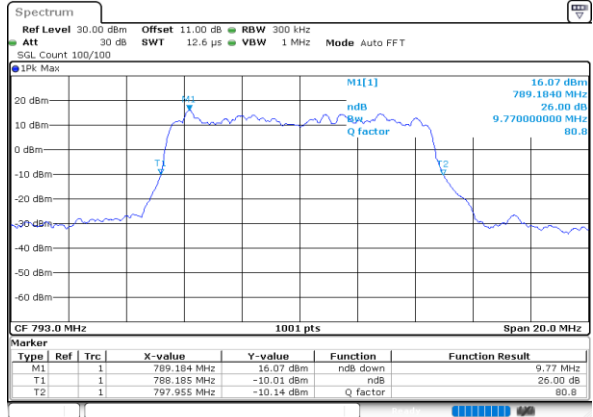
LTE Band 14

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 20.MAR.2023 15:06:35



Date: 20.MAR.2023 15:15:27



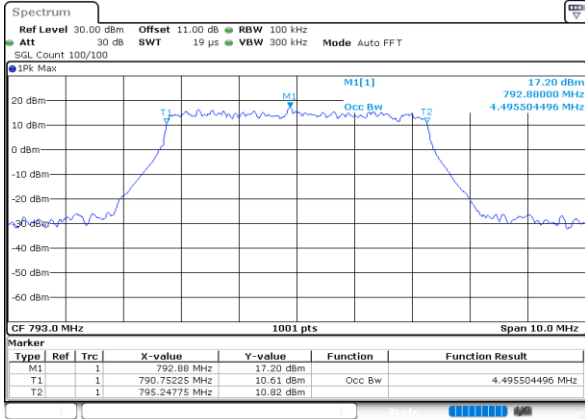
**Occupied Bandwidth**

Mode	LTE Band 14 : 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	-	-	-	-	4.50	4.50	9.03	9.01	-	-	-	-
Mode	LTE Band 14 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.49	4.52	9.01	8.99	-	-	-	-



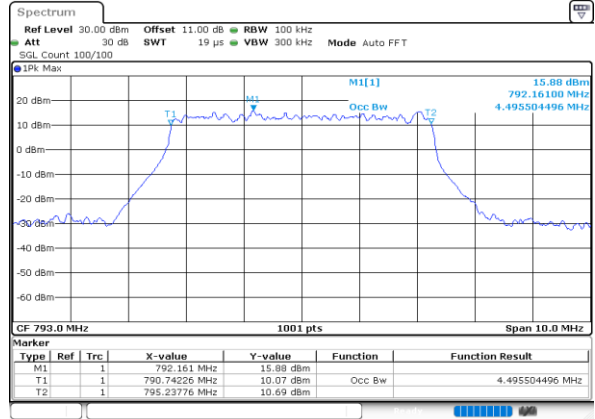
LTE Band 14

Middle Channel / 5MHz / QPSK



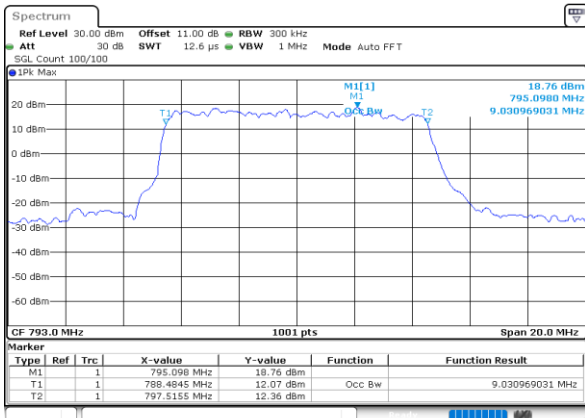
Date: 20.MAR.2023 15:04:35

Middle Channel / 5MHz / 16QAM



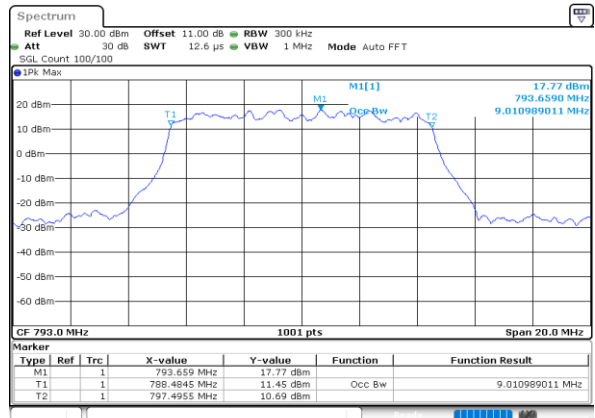
Date: 20.MAR.2023 15:05:29

Middle Channel / 10MHz / QPSK



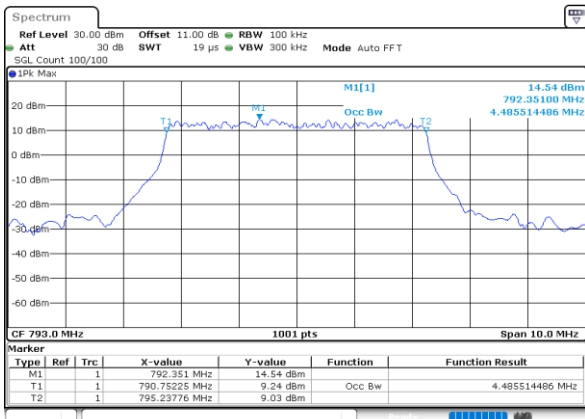
Date: 20.MAR.2023 15:44:21

Middle Channel / 10MHz / 16QAM



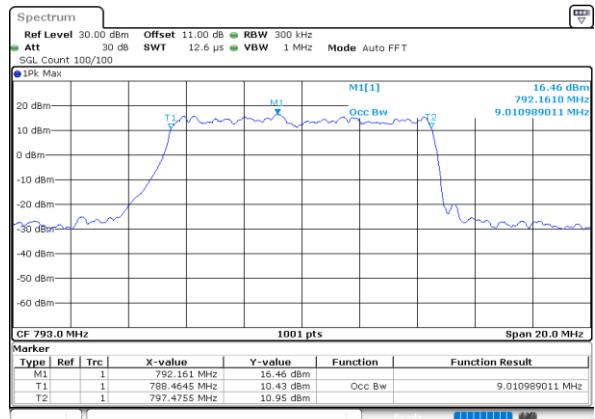
Date: 20.MAR.2023 15:45:31

Middle Channel / 5MHz / 64QAM



Date: 20.MAR.2023 15:05:55

Middle Channel / 10MHz / 64QAM



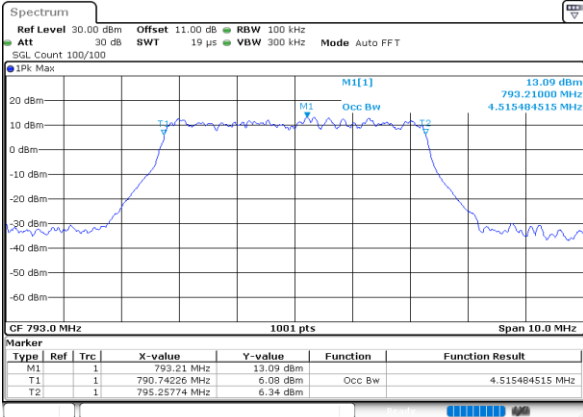
Date: 20.MAR.2023 15:05:03



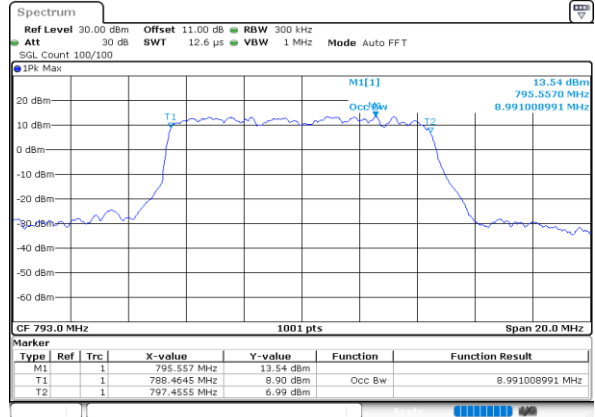
LTE Band 14

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 20.MAR.2023 15:06:49



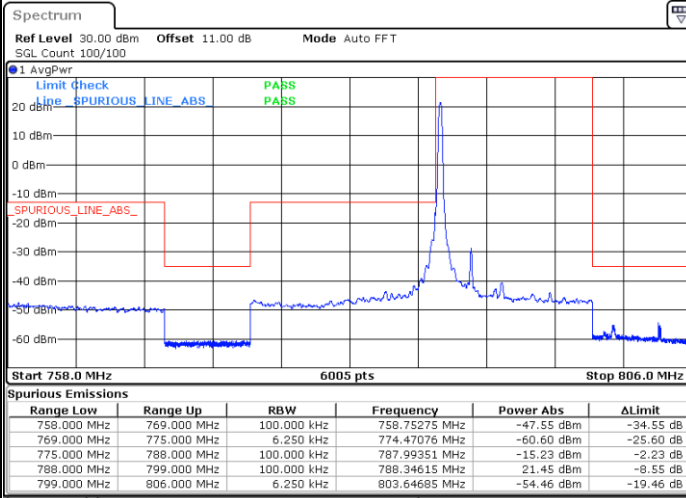
Date: 20.MAR.2023 15:15:13



# Conducted Band Edge

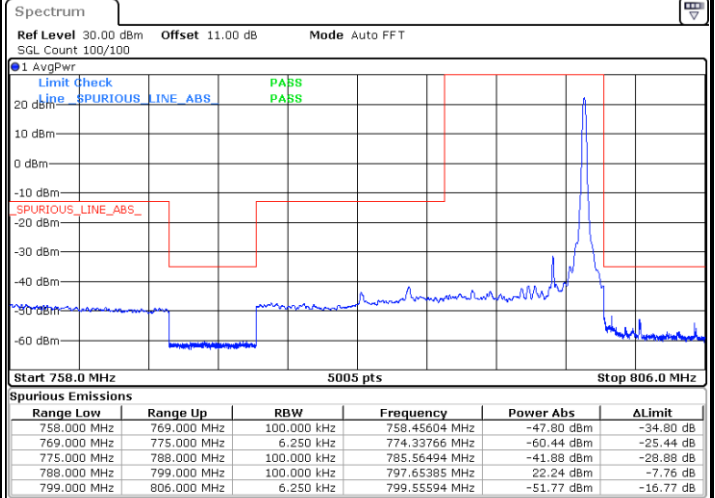
## LTE Band 14 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



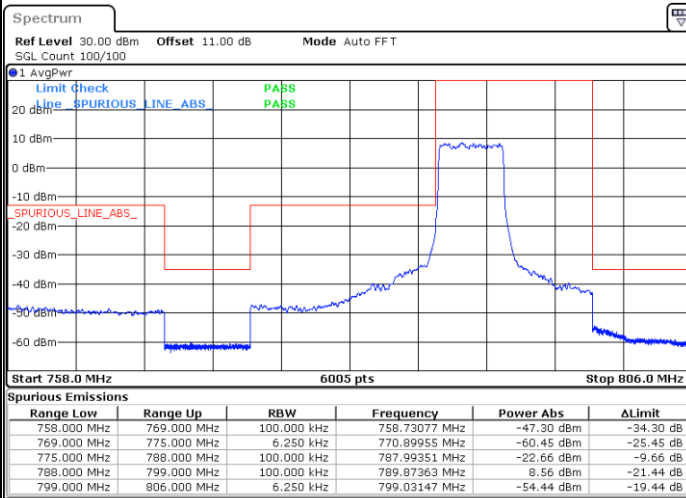
Date: 20.MAR.2023 14:43:43

### Highest Band Edge / 1 RB



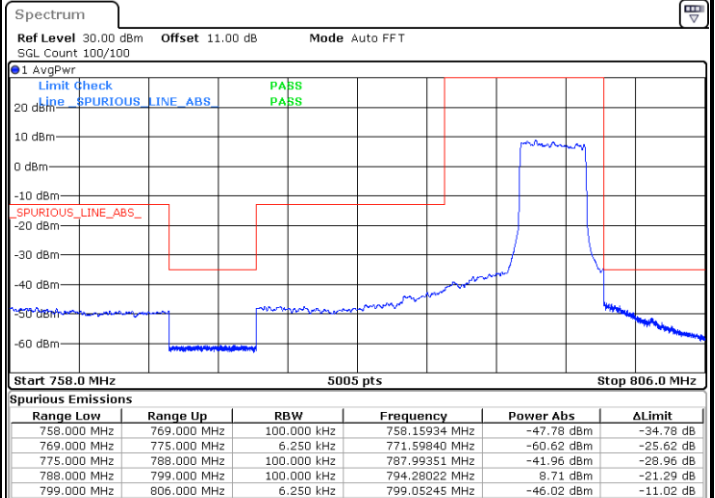
Date: 20.MAR.2023 15:20:58

### Lowest Band Edge / Full RB



Date: 20.MAR.2023 14:42:17

### Highest Band Edge / Full RB

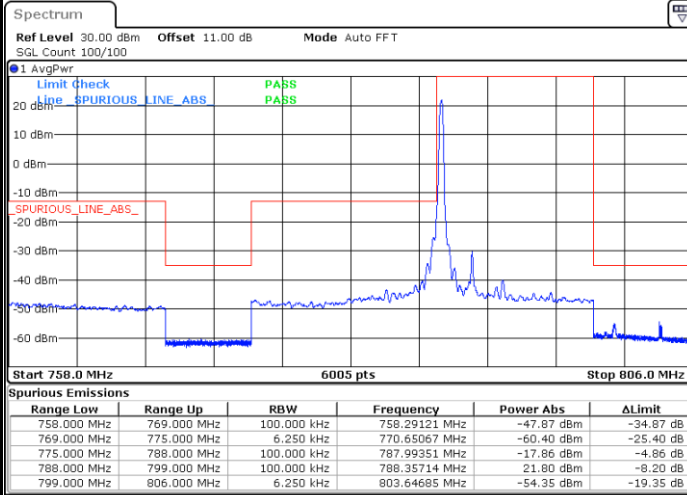


Date: 20.MAR.2023 15:22:25



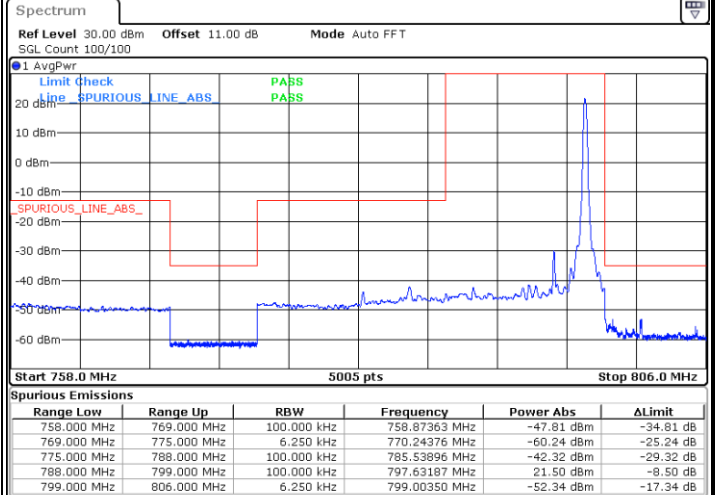
LTE Band 14 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



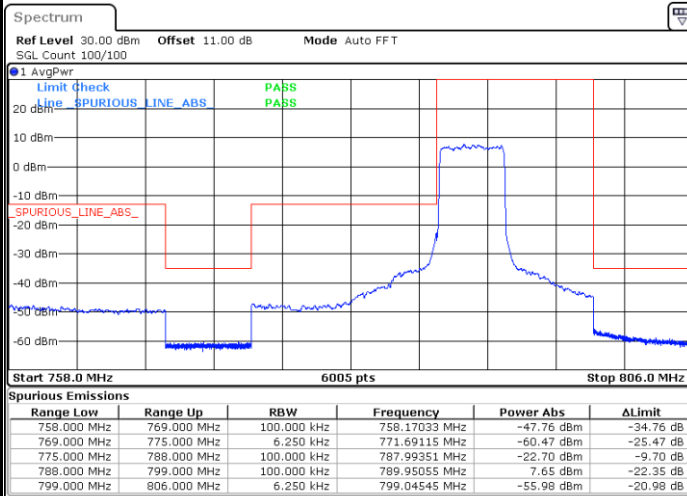
Date: 20.MAR.2023 14:46:02

Highest Band Edge / 1 RB



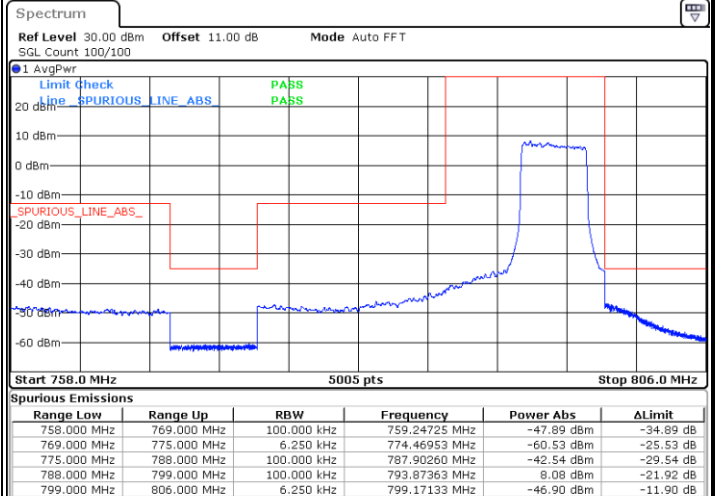
Date: 20.MAR.2023 15:25:17

Lowest Band Edge / Full RB



Date: 20.MAR.2023 14:47:29

Highest Band Edge / Full RB

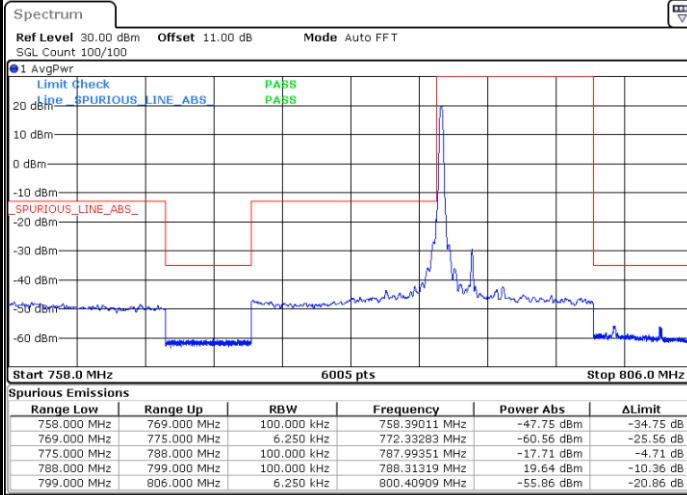


Date: 20.MAR.2023 15:23:51



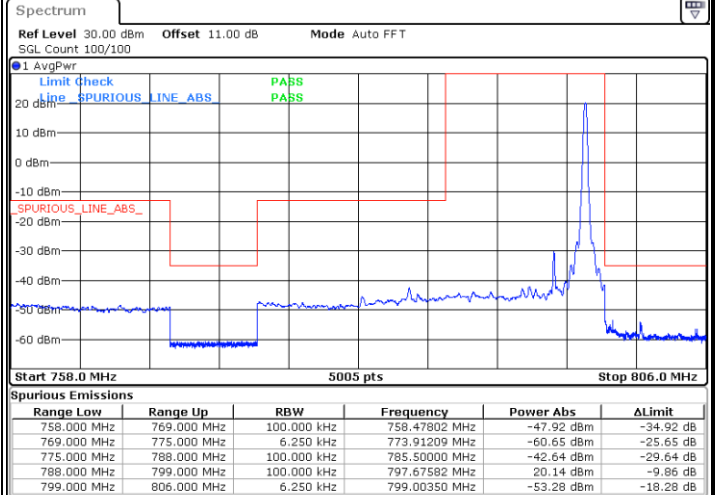
LTE Band 14 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



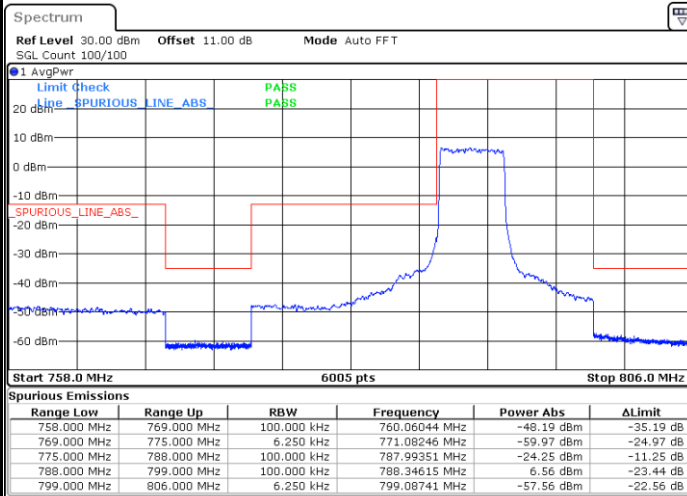
Date: 20.MAR.2023 14:50:21

Highest Band Edge / 1 RB



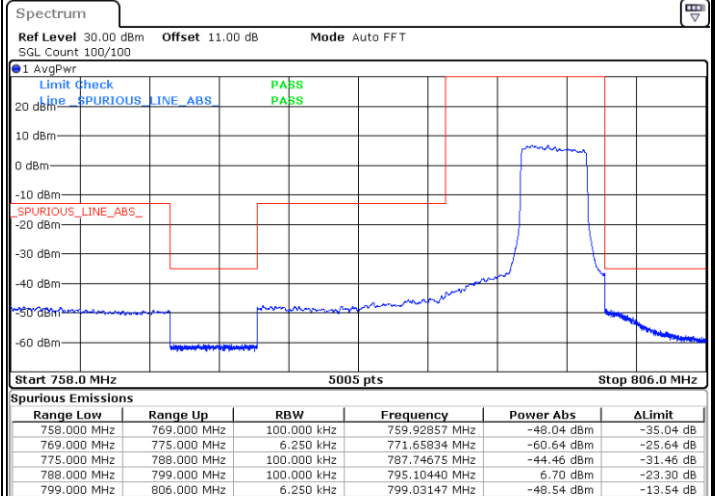
Date: 20.MAR.2023 15:26:43

Lowest Band Edge / Full RB



Date: 20.MAR.2023 14:48:55

Highest Band Edge / Full RB



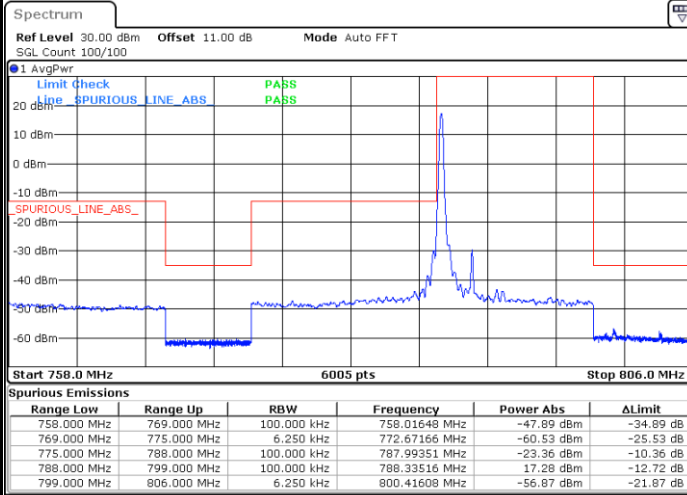
Date: 20.MAR.2023 15:28:09





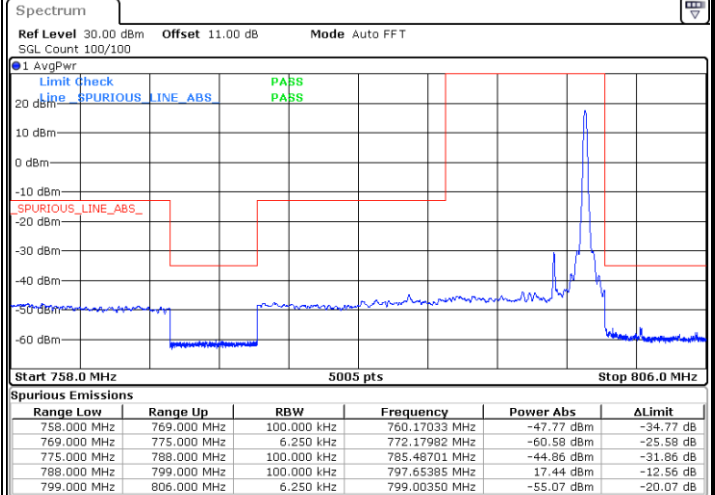
LTE Band 14 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



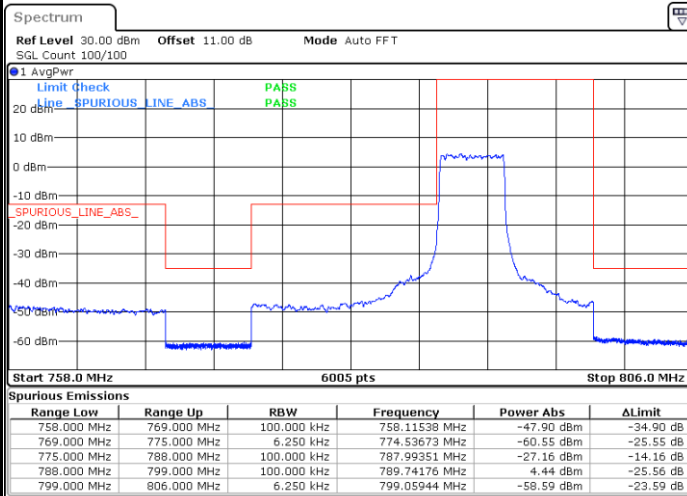
Date: 20.MAR.2023 14:51:47

Highest Band Edge / 1 RB



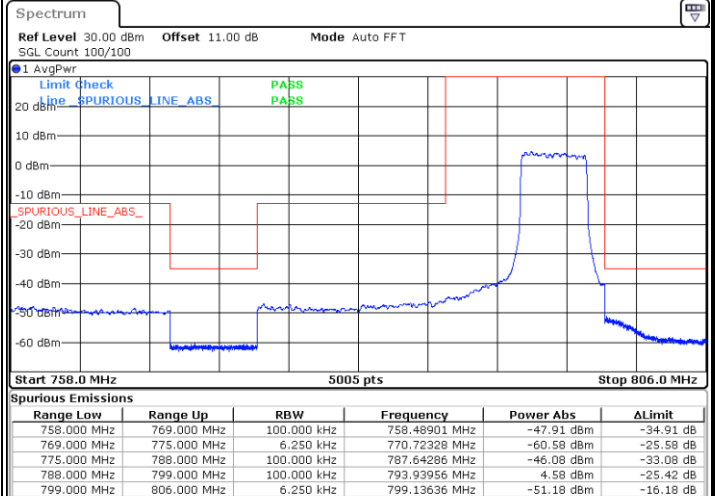
Date: 20.MAR.2023 15:31:01

Lowest Band Edge / Full RB

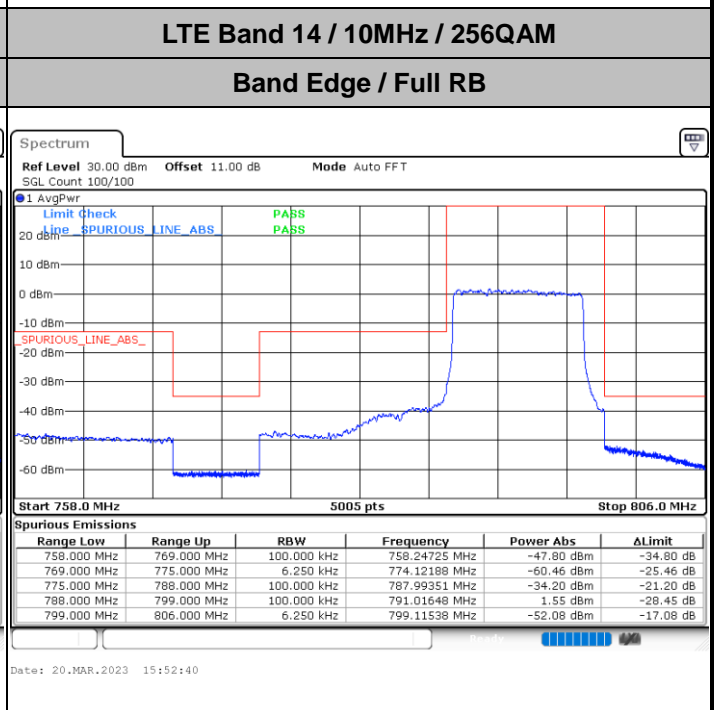
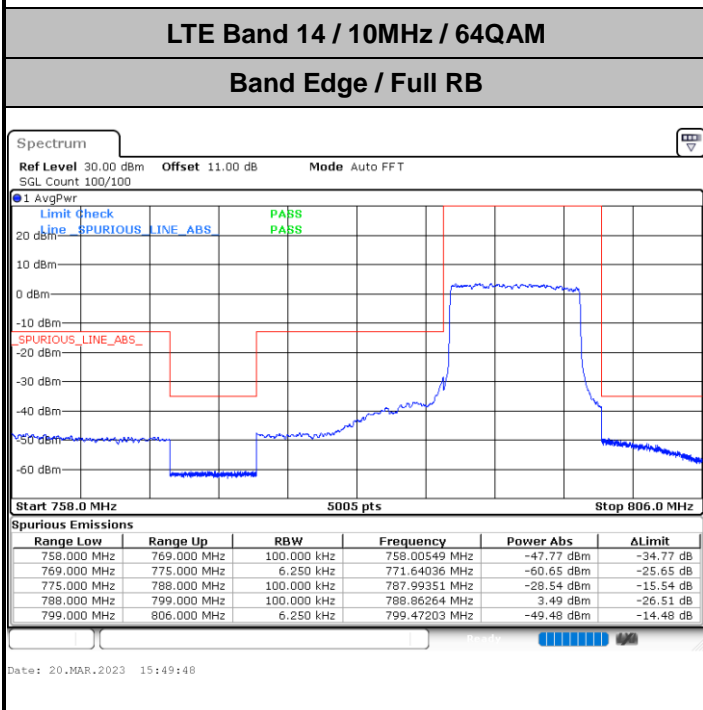
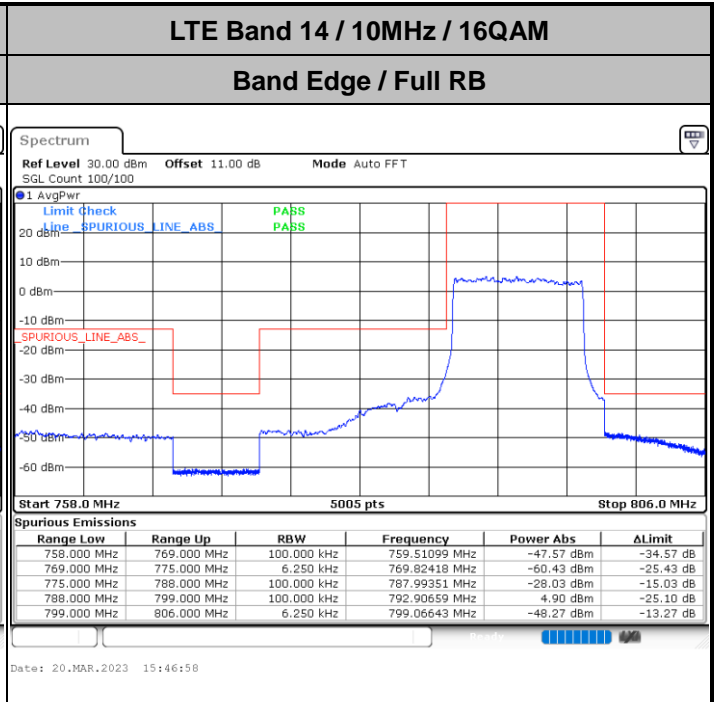
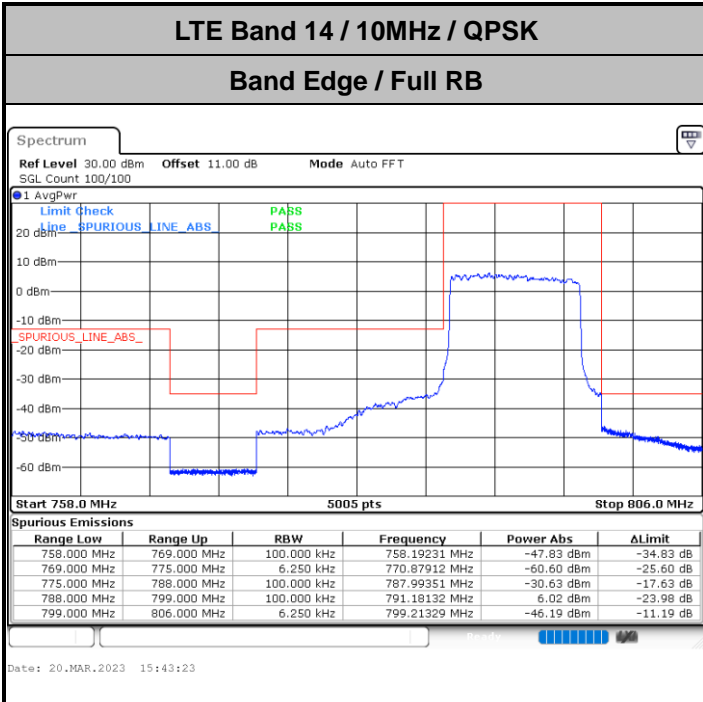


Date: 20.MAR.2023 14:53:14

Highest Band Edge / Full RB

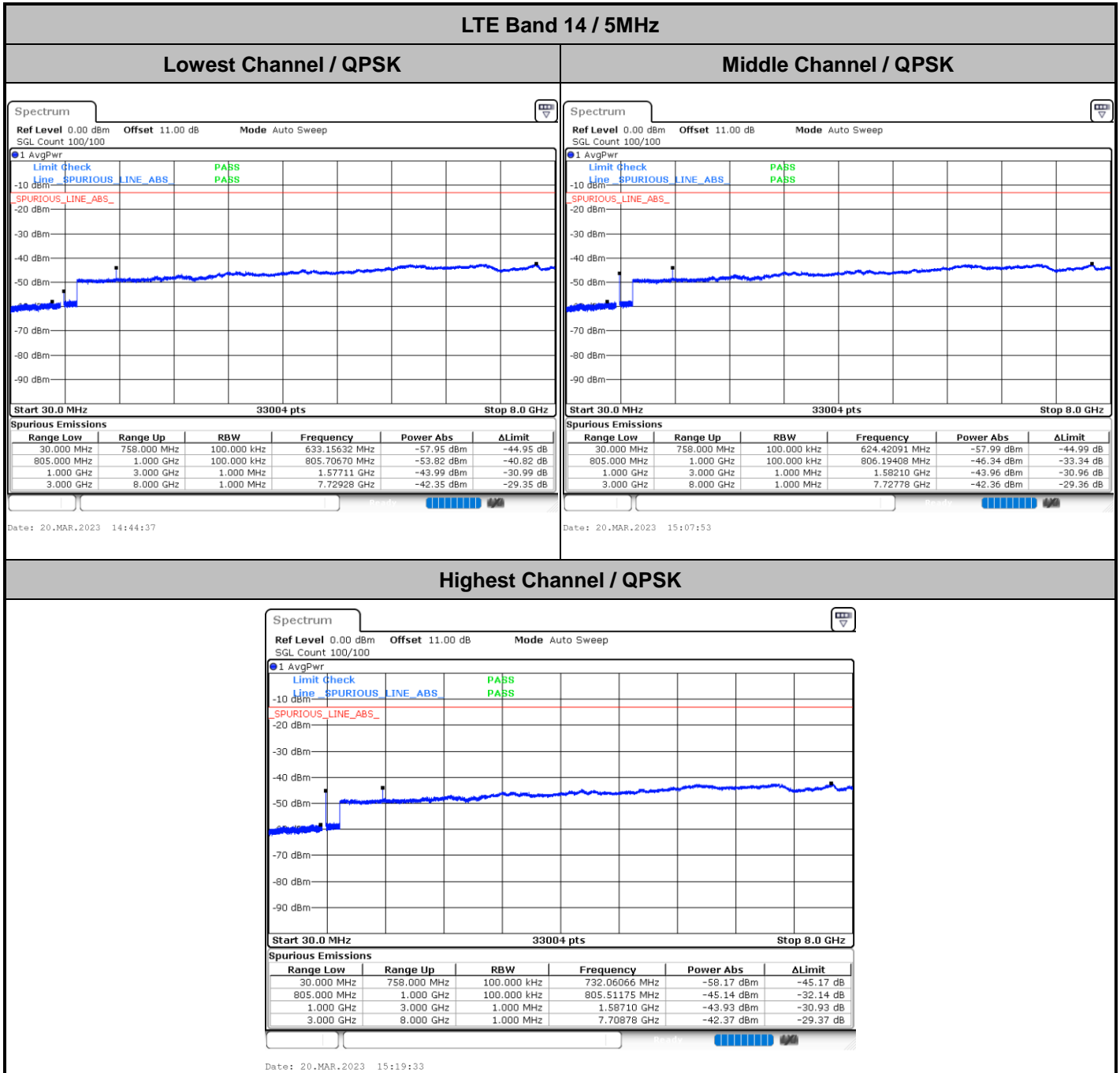


Date: 20.MAR.2023 15:29:35





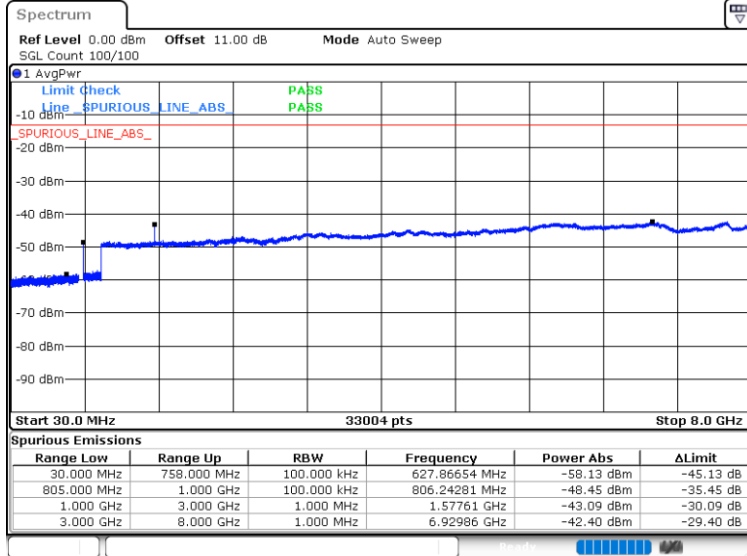
# Conducted Spurious Emission





LTE Band 14 / 10MHz

Middle Channel / QPSK



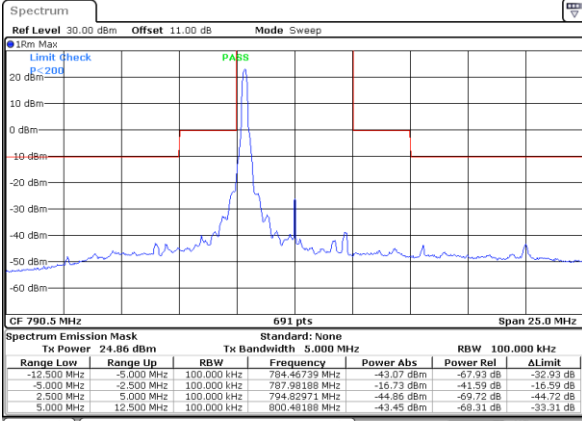
Date: 20.MAR.2023 15:54:28



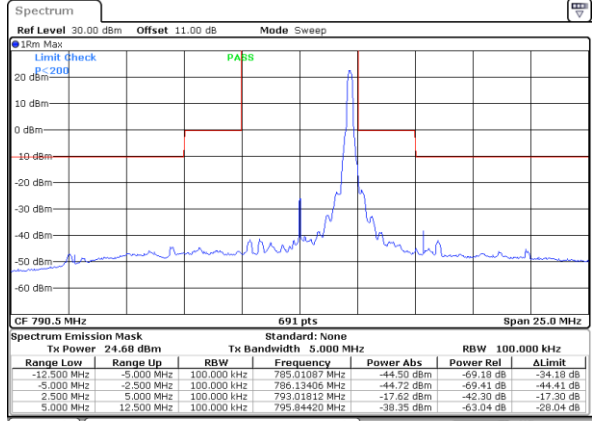
Mask

LTE Band 14 / 5MHz / QPSK

Lowest Channel / 1RB

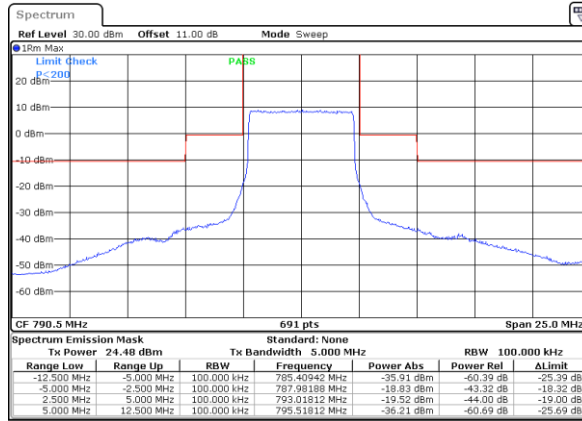


Date: 20.MAR.2023 14:54:09



Date: 20.MAR.2023 14:55:04

Lowest Channel / Full RB

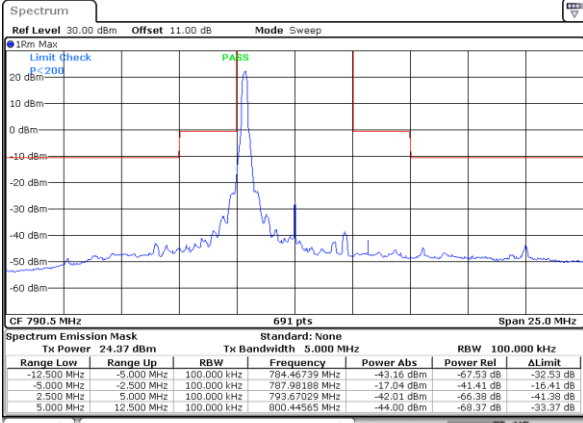


Date: 20.MAR.2023 14:55:58

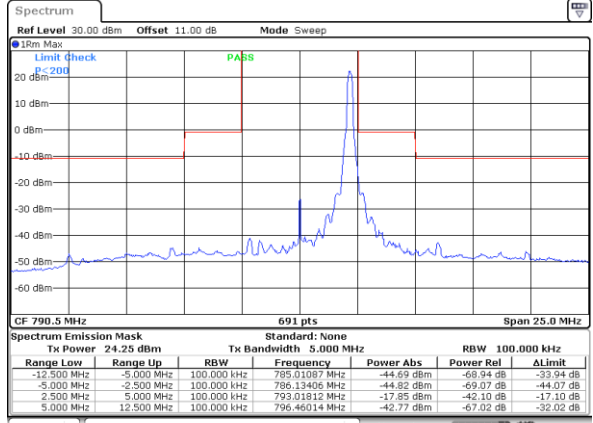


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB

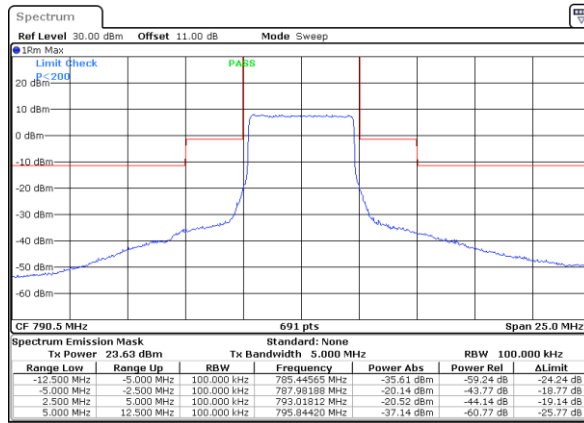


Date: 20.MAR.2023 14:58:42



Date: 20.MAR.2023 14:57:47

Lowest Channel / Full RB

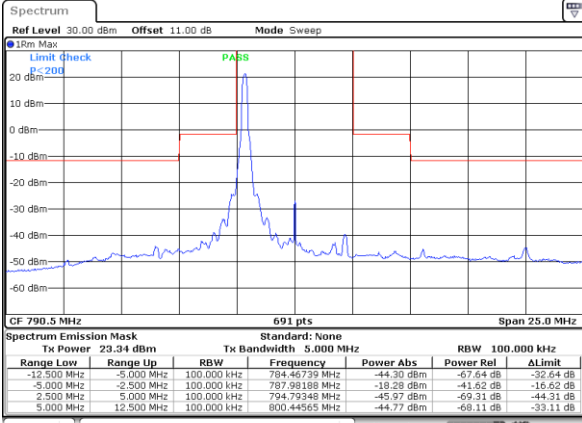


Date: 20.MAR.2023 14:56:52

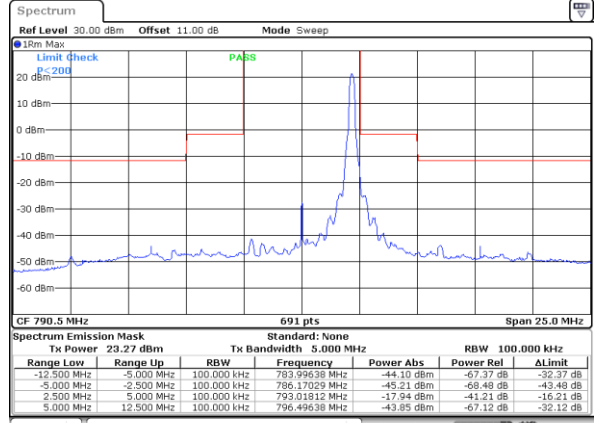


LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB

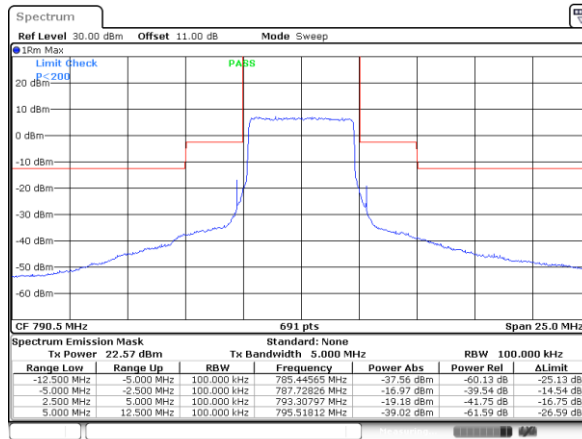


Date: 20.MAR.2023 14:59:36



Date: 20.MAR.2023 15:00:31

Lowest Channel / Full RB

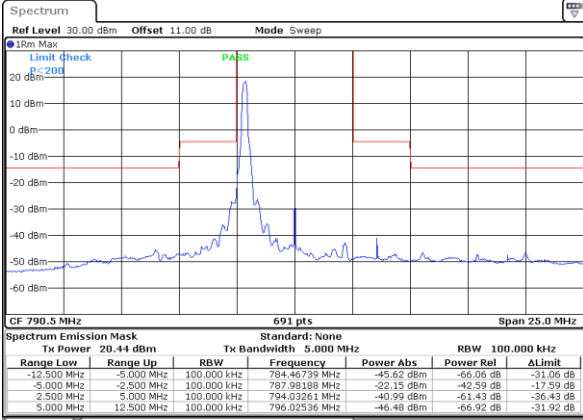


Date: 20.MAR.2023 15:01:25

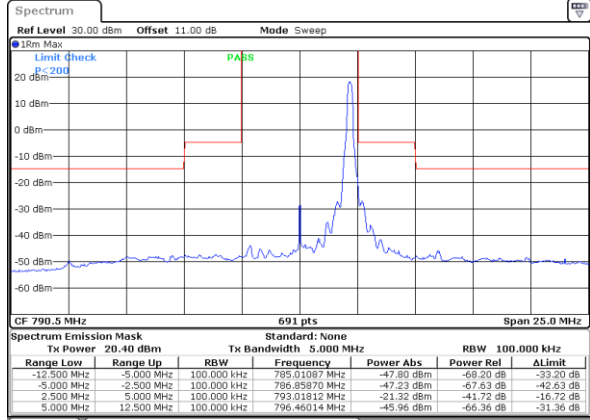


LTE Band 14 / 5MHz / 256QAM

Lowest Channel / 1RB

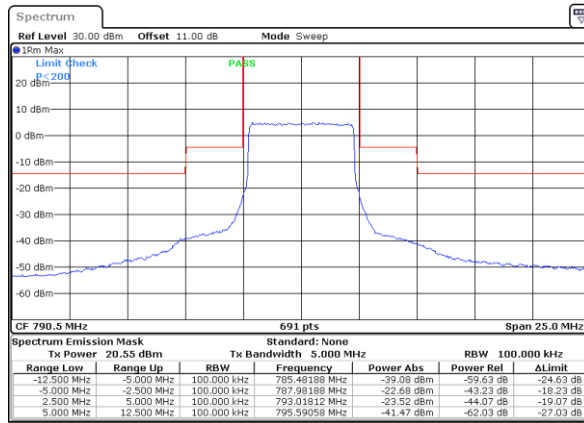


Date: 20.MAR.2023 15:04:09



Date: 20.MAR.2023 15:03:14

Lowest Channel / Full RB



Date: 20.MAR.2023 16:42:33