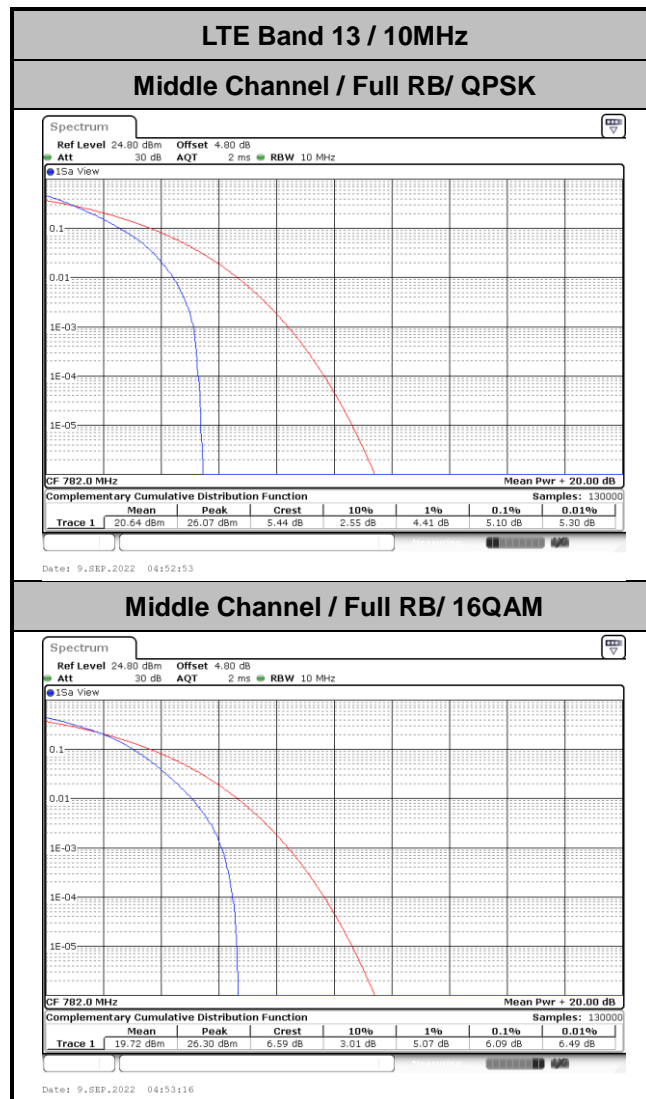


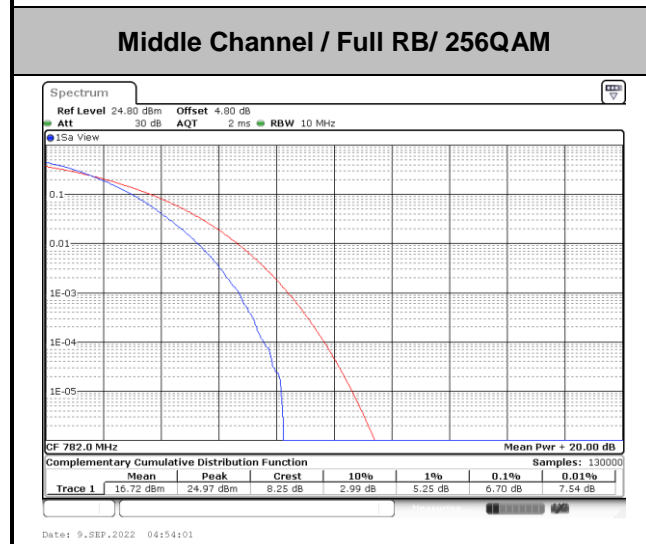
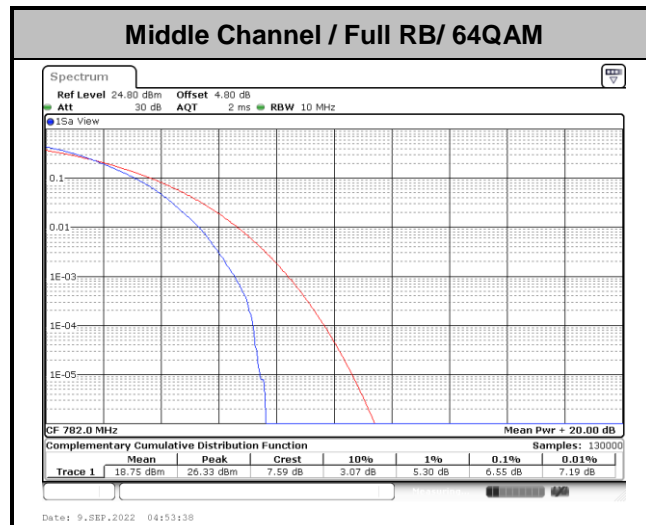


# LTE Band 13

## Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.10	6.09	6.55	6.70	PASS

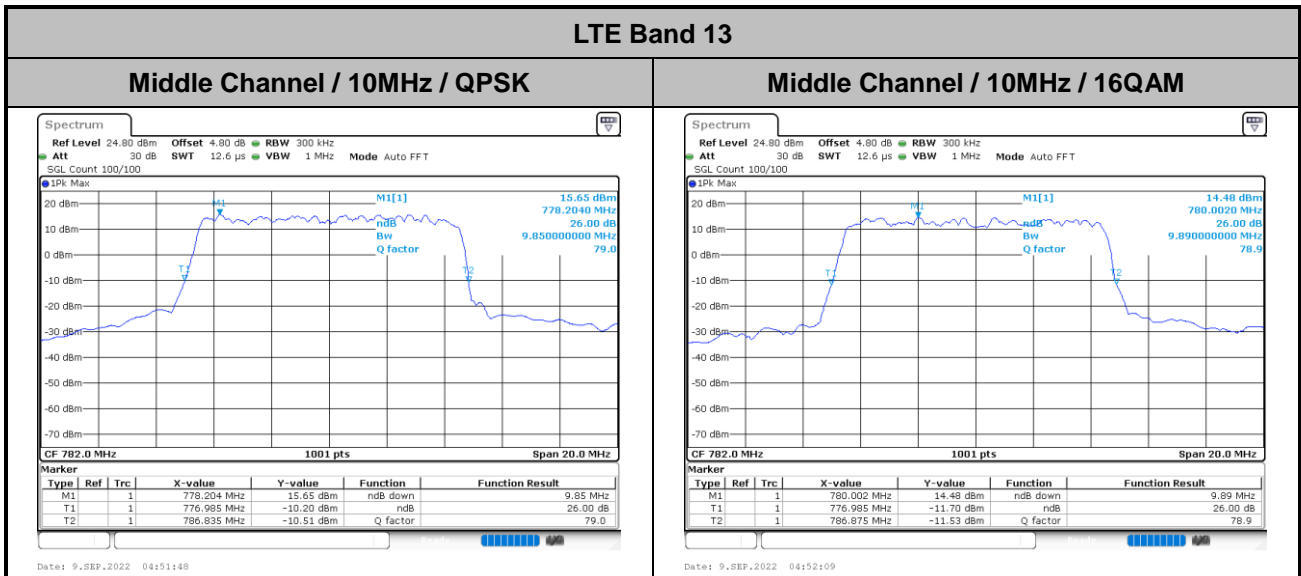






**26dB Bandwidth**

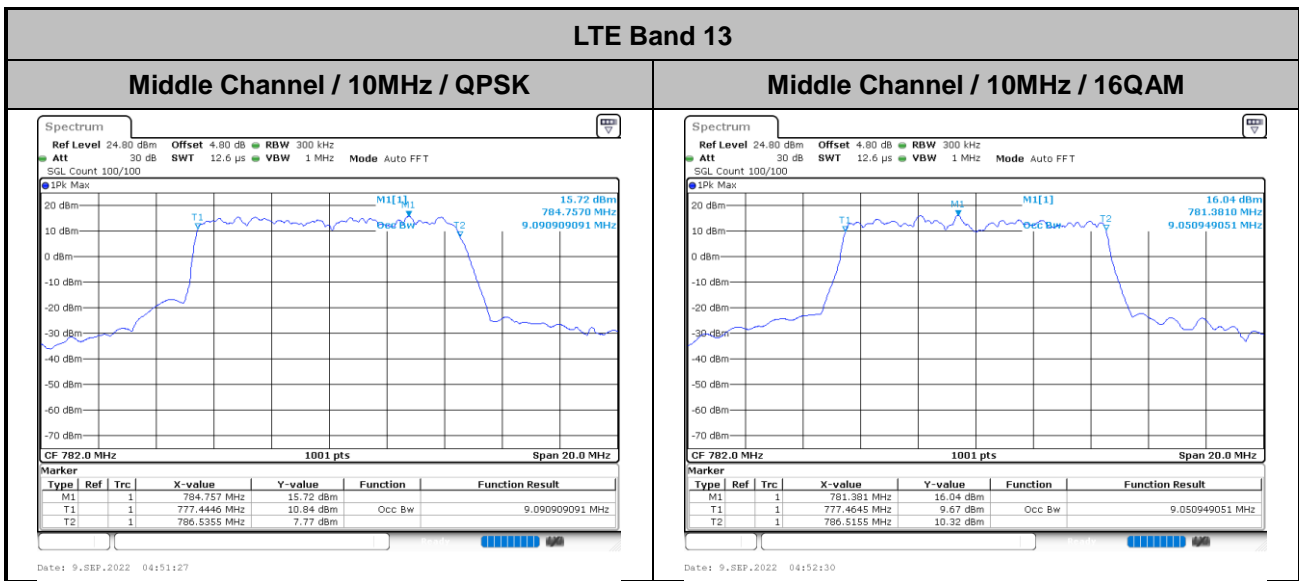
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.85	9.89





# Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.09	9.05

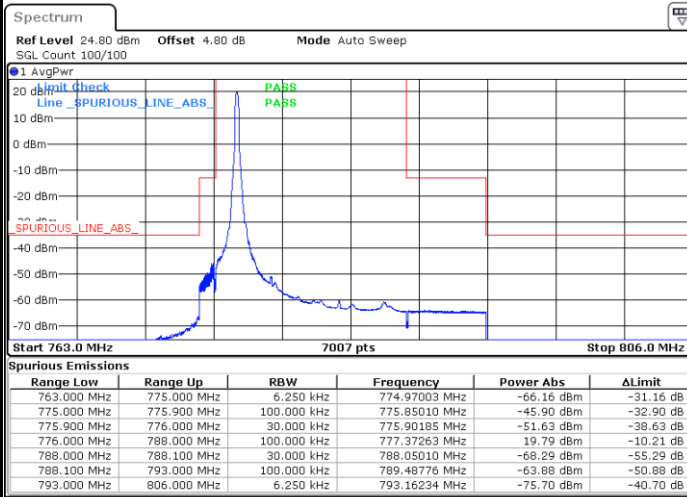




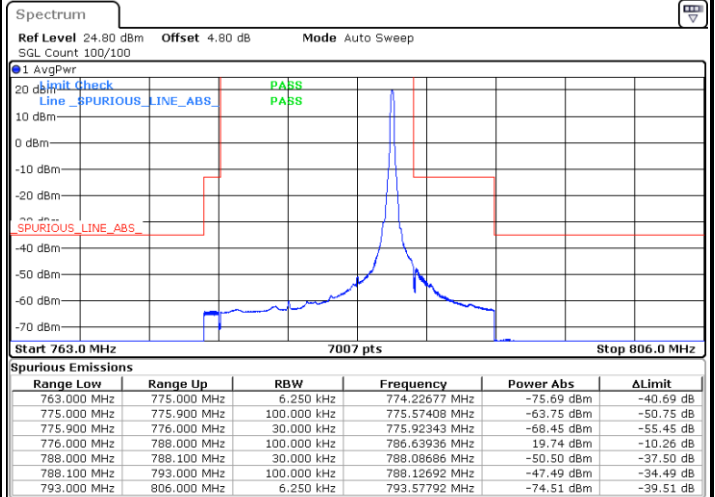
# Conducted Band Edge

## LTE Band 13 / 5MHz / QPSK

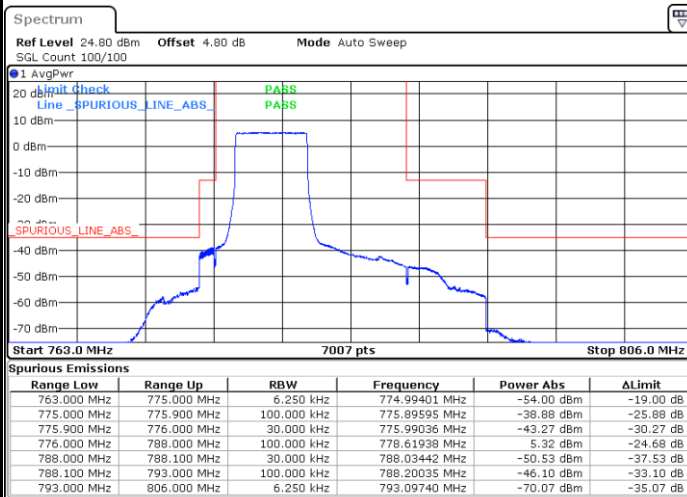
### Lowest Band Edge / 1 RB



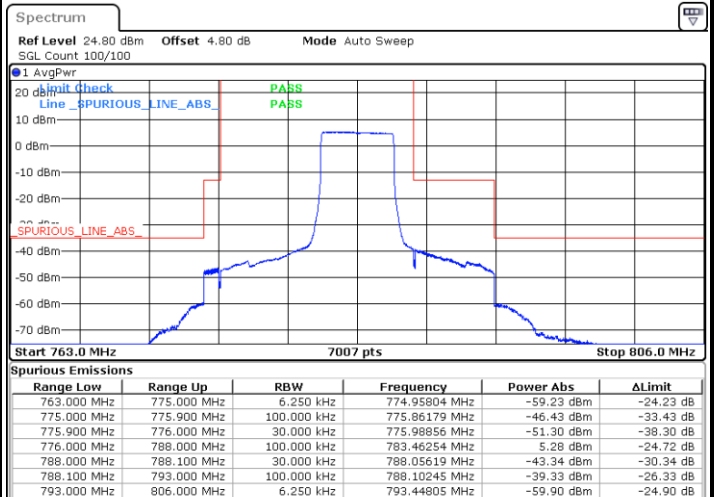
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



### Highest Band Edge / Full RB

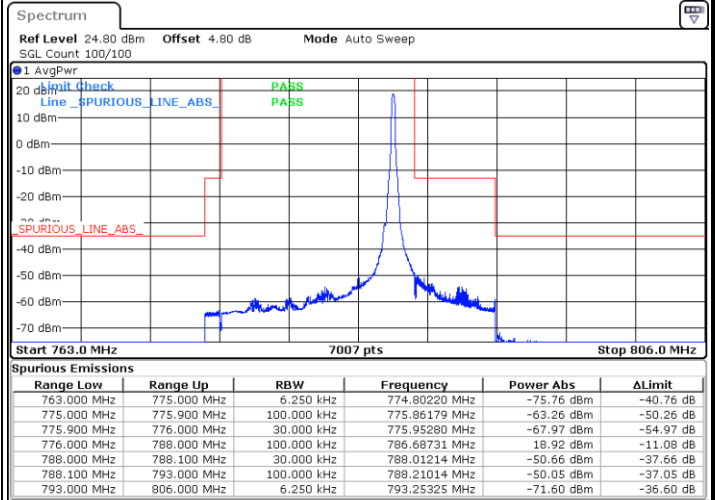
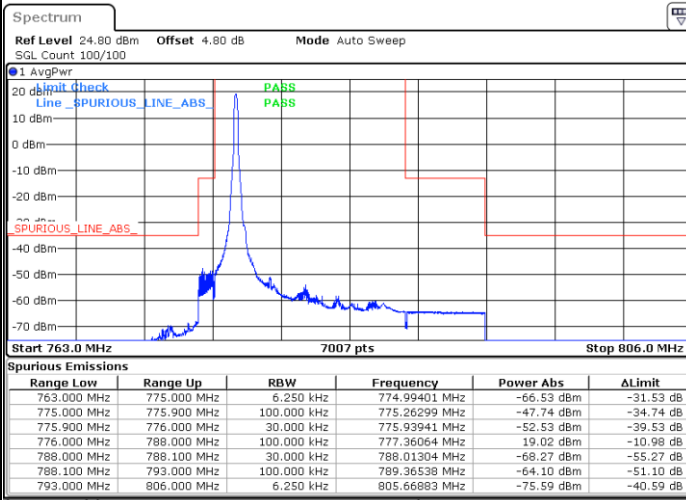




LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

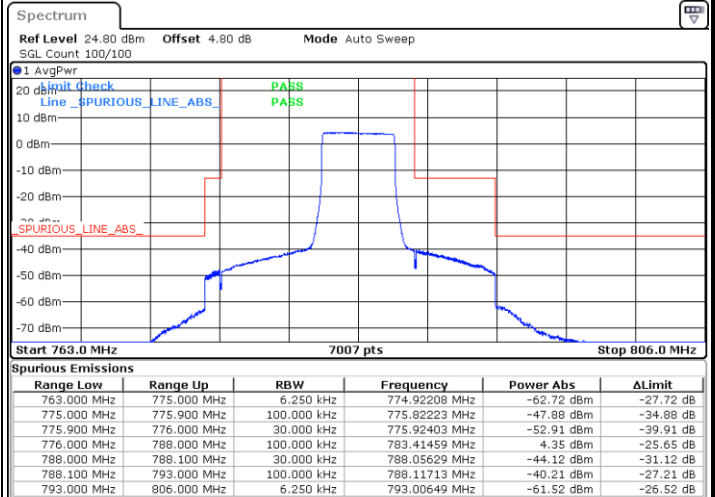
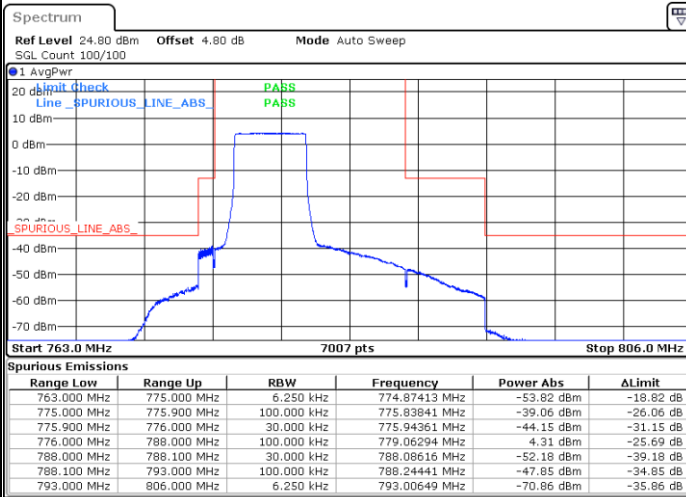


Date: 9.SEP.2022 03:35:33

Date: 9.SEP.2022 04:14:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



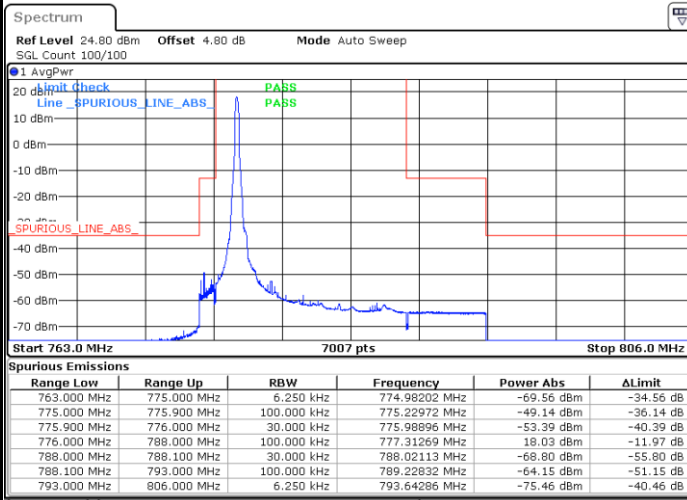
Date: 9.SEP.2022 04:06:05

Date: 9.SEP.2022 04:25:46



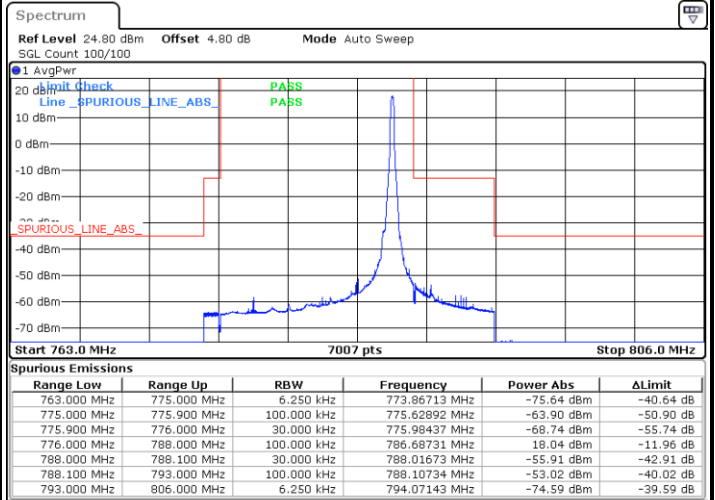
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB



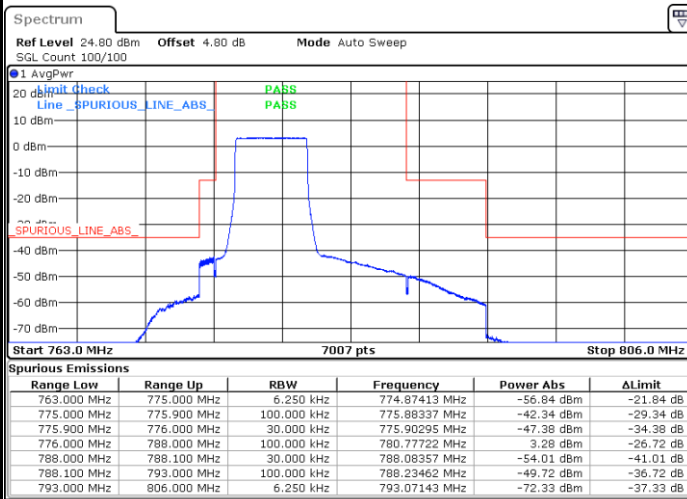
Date: 9.SEP.2022 03:37:23

Highest Band Edge / 1 RB



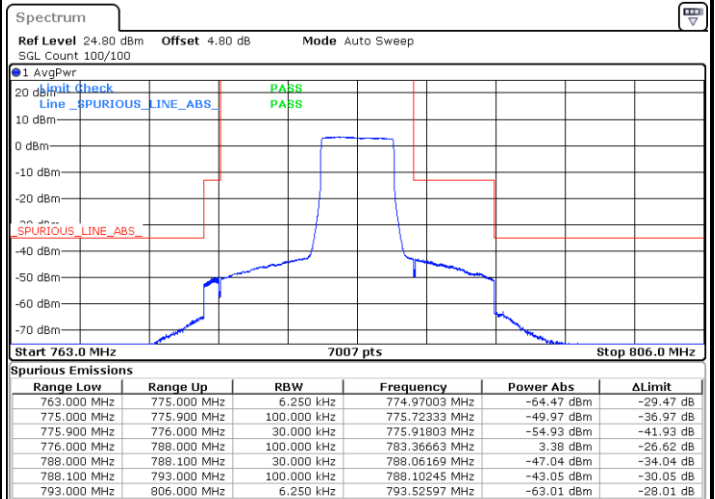
Date: 9.SEP.2022 04:16:43

Lowest Band Edge / Full RB



Date: 9.SEP.2022 04:04:15

Highest Band Edge / Full RB

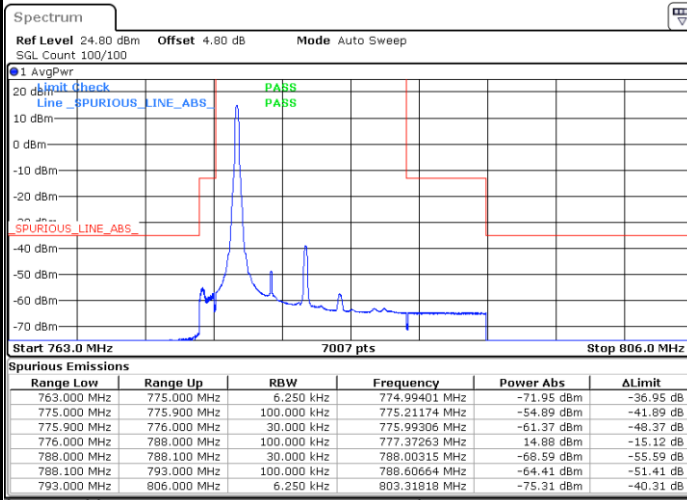


Date: 9.SEP.2022 04:23:56



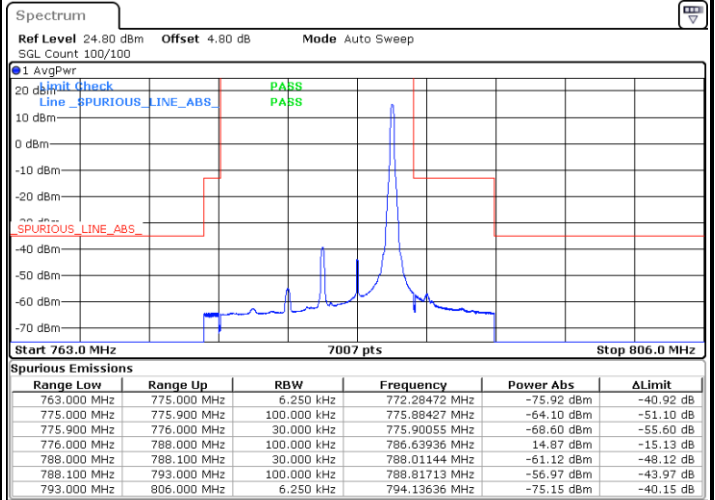
LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB



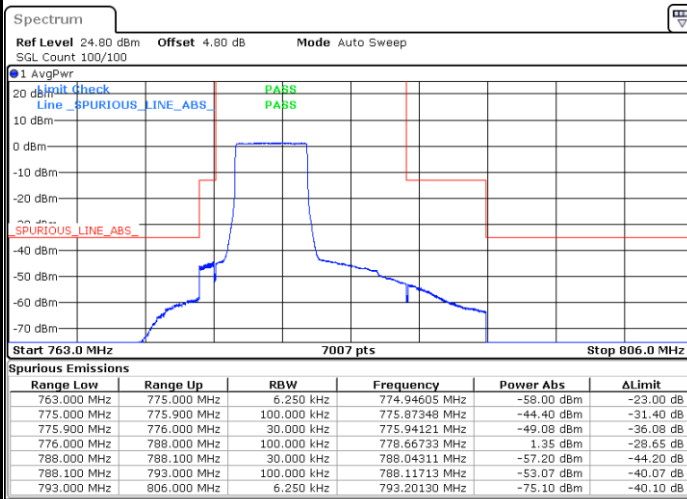
Date: 9.SEP.2022 03:39:13

Highest Band Edge / 1 RB



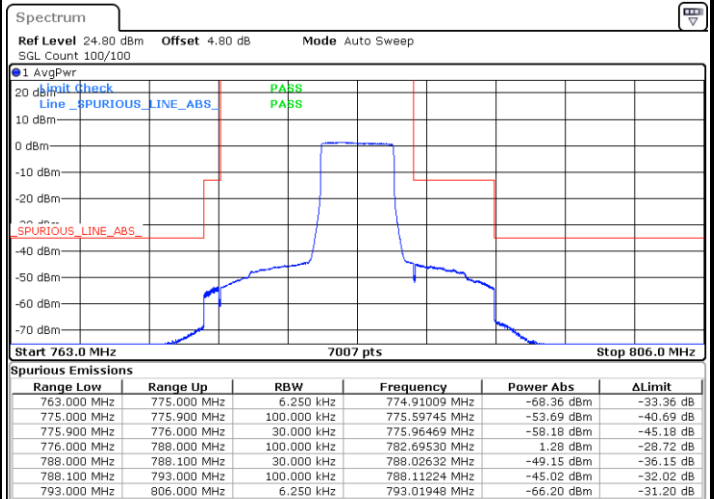
Date: 9.SEP.2022 04:18:32

Lowest Band Edge / Full RB



Date: 9.SEP.2022 04:02:25

Highest Band Edge / Full RB



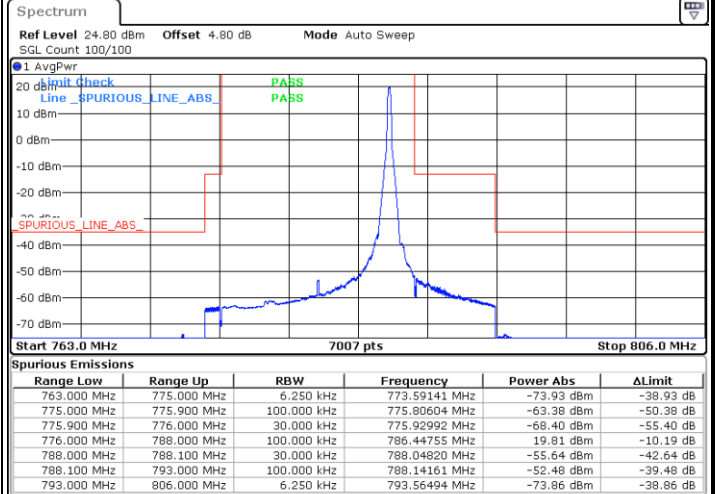
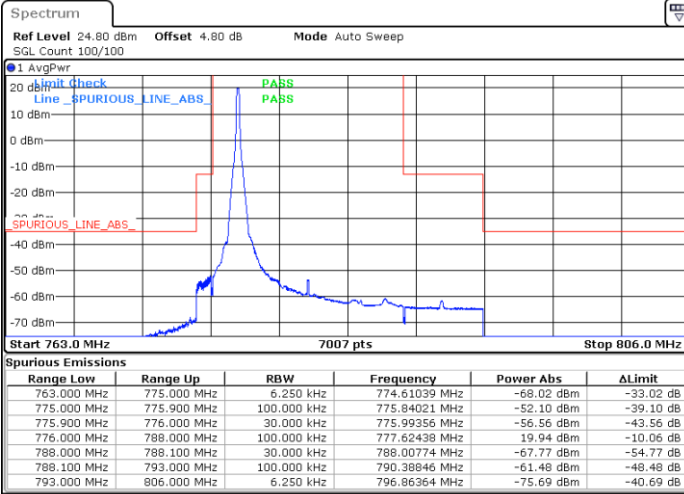
Date: 9.SEP.2022 04:22:06



LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB

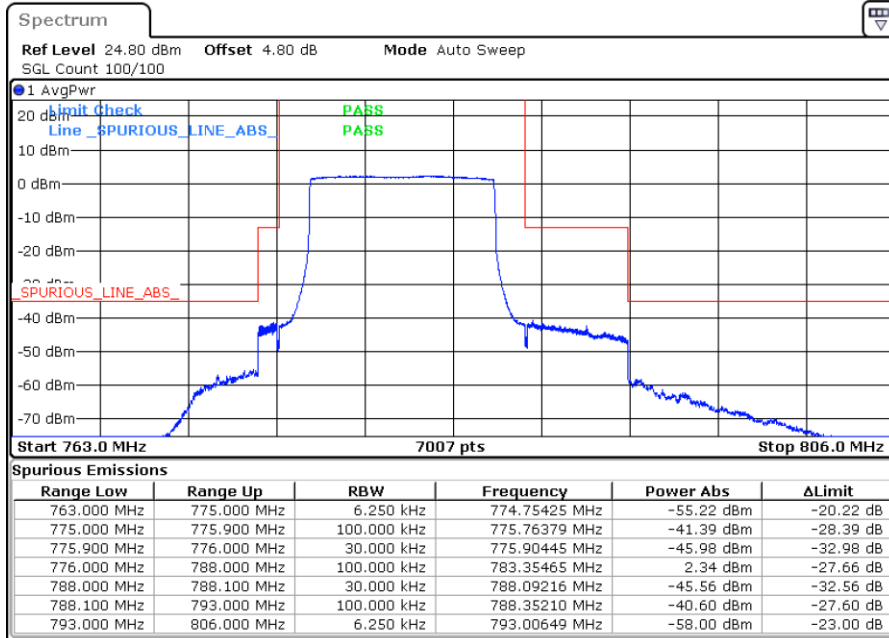
middle Band Edge / 1 RB



Date: 9.SEP.2022 04:31:05

Date: 9.SEP.2022 04:45:38

Middle Band Edge / Full RB

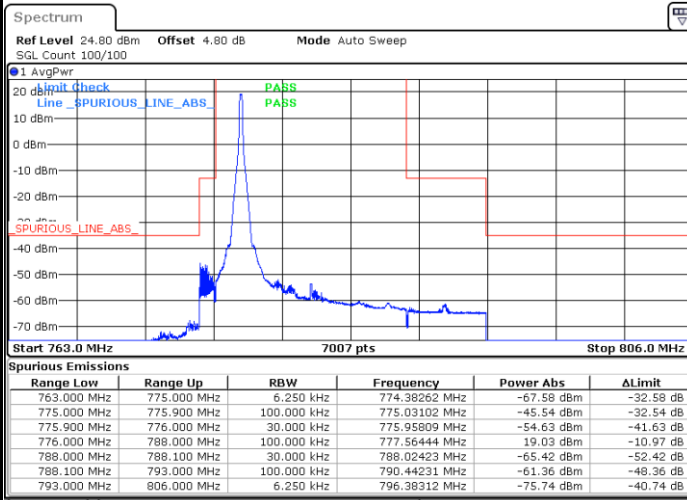


Date: 9.SEP.2022 04:43:49



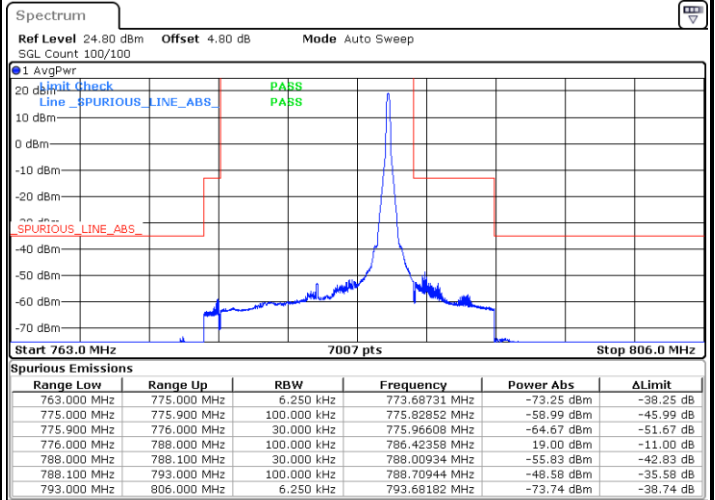
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



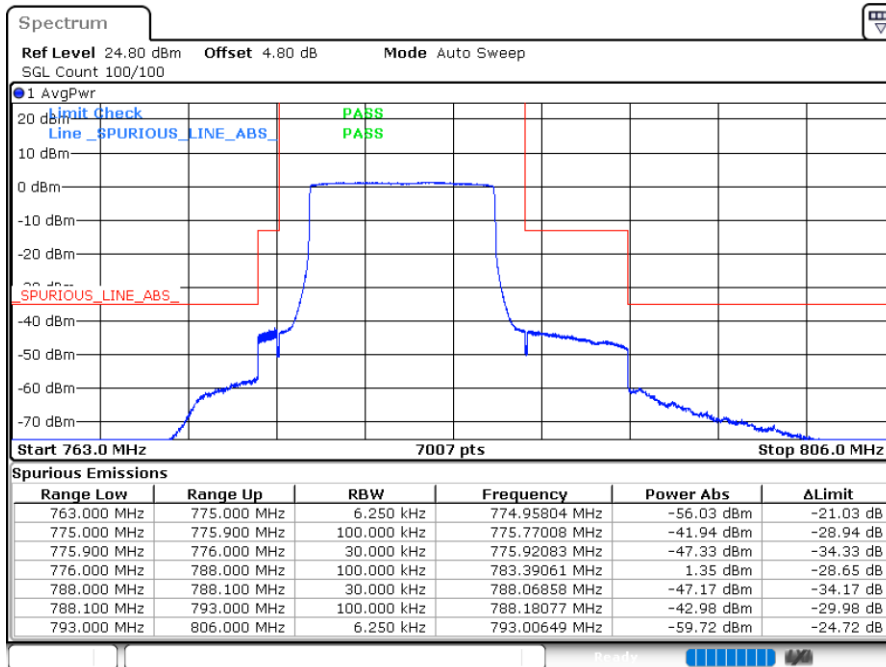
Date: 9.SEP.2022 04:32:54

middle Band Edge / 1 RB



Date: 9.SEP.2022 04:47:27

middle Band Edge / Full RB

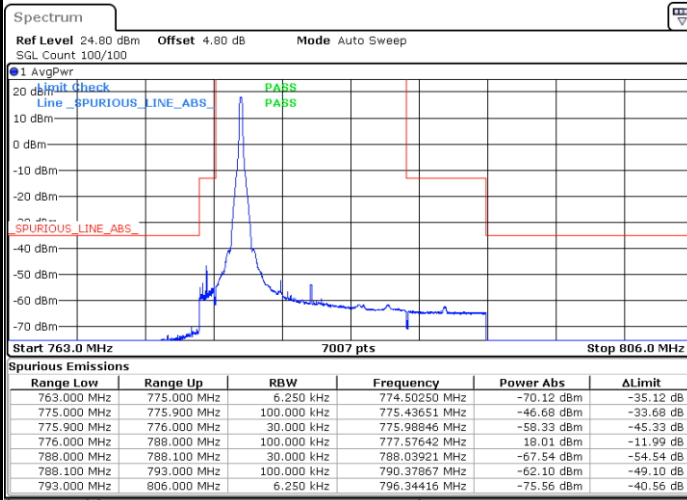


Date: 9.SEP.2022 04:42:00



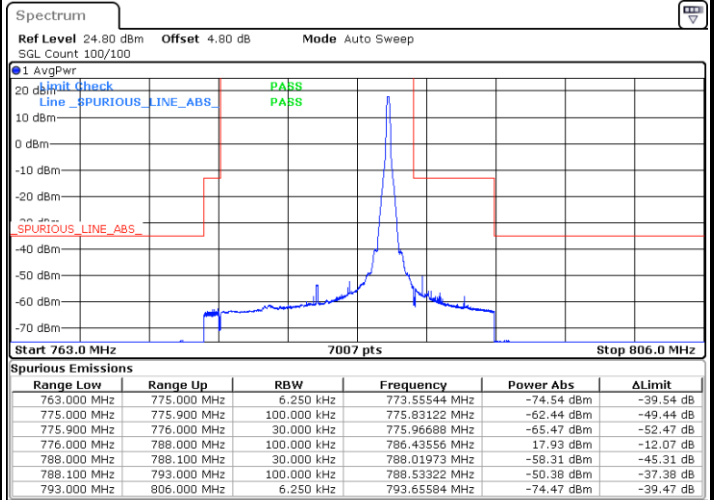
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



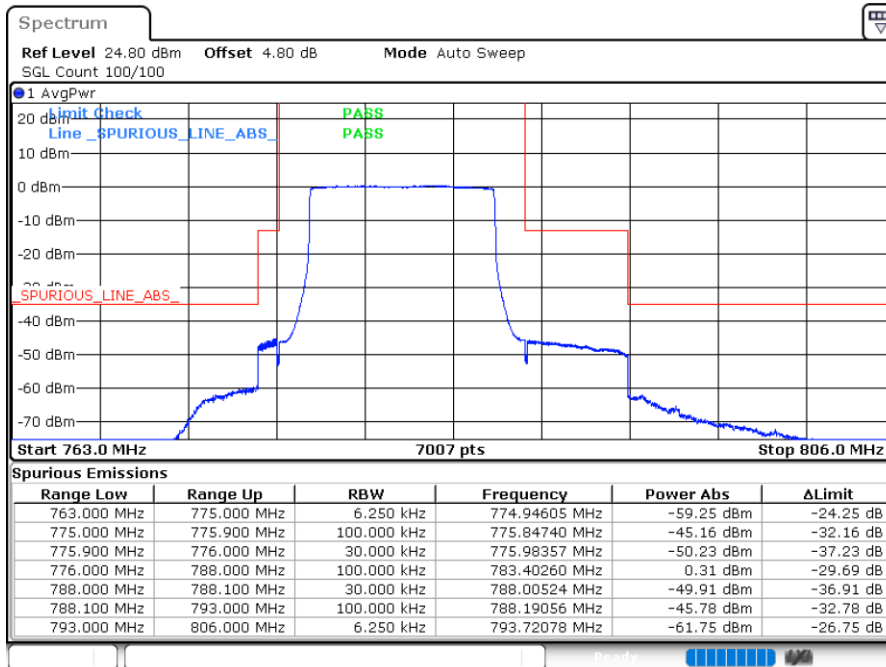
Date: 9.SEP.2022 04:34:43

middle Band Edge / 1 RB



Date: 9.SEP.2022 04:49:17

middle Band Edge / Full RB



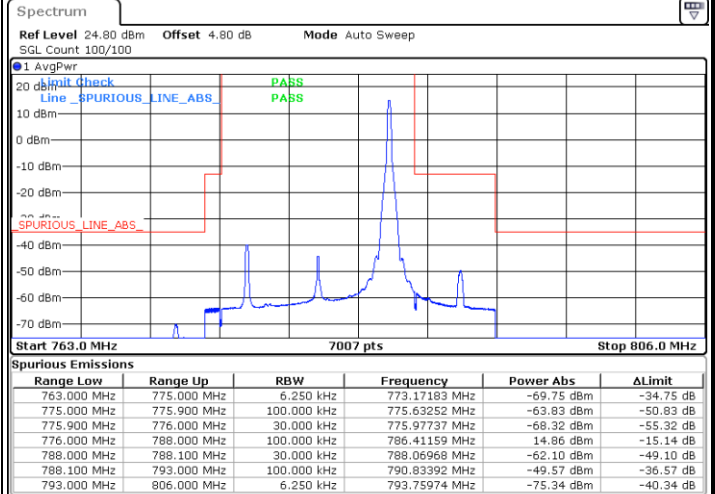
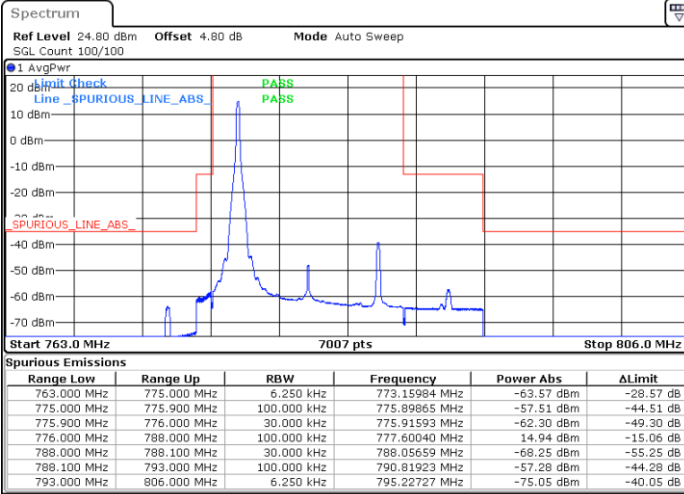
Date: 9.SEP.2022 04:40:11



LTE Band 13 / 10MHz / 256QAM

middle Band Edge / 1 RB

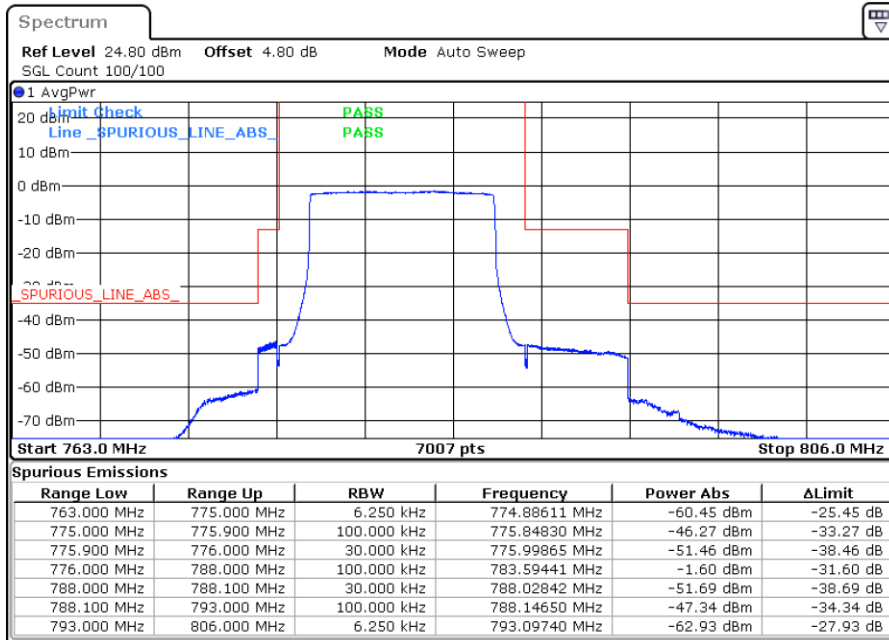
middle Band Edge / 1 RB



Date: 9.SEP.2022 04:36:32

Date: 9.SEP.2022 04:51:06

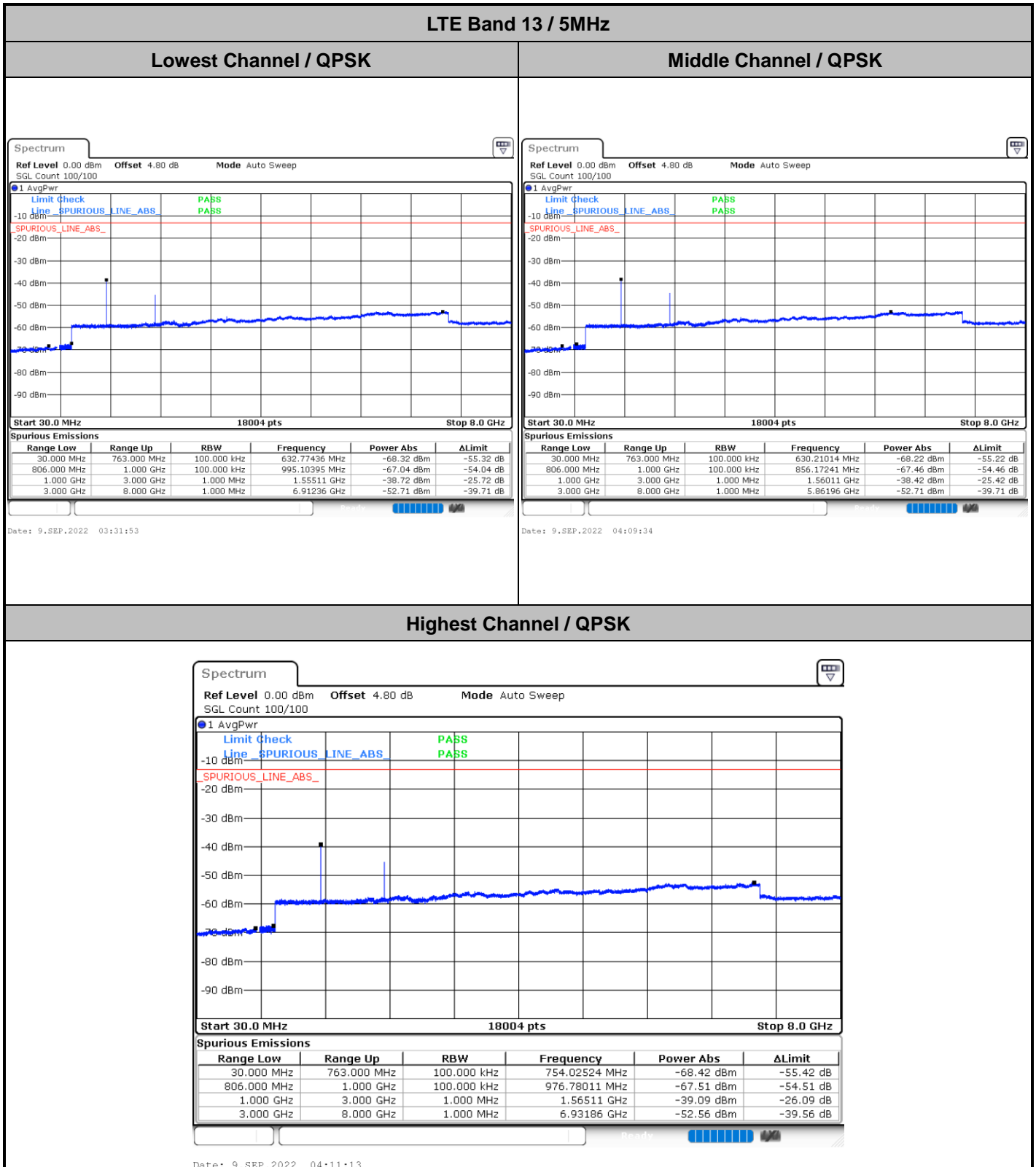
middle Band Edge / Full RB



Date: 9.SEP.2022 04:38:22



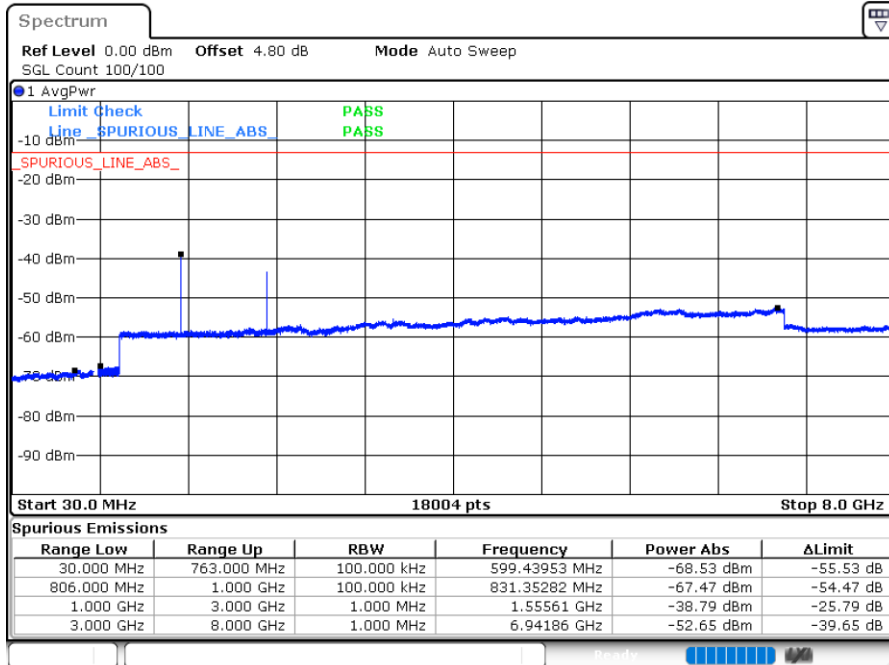
# Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 9. SEP. 2022 04:29:16



### 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	0.0011	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0008	

**Note:**

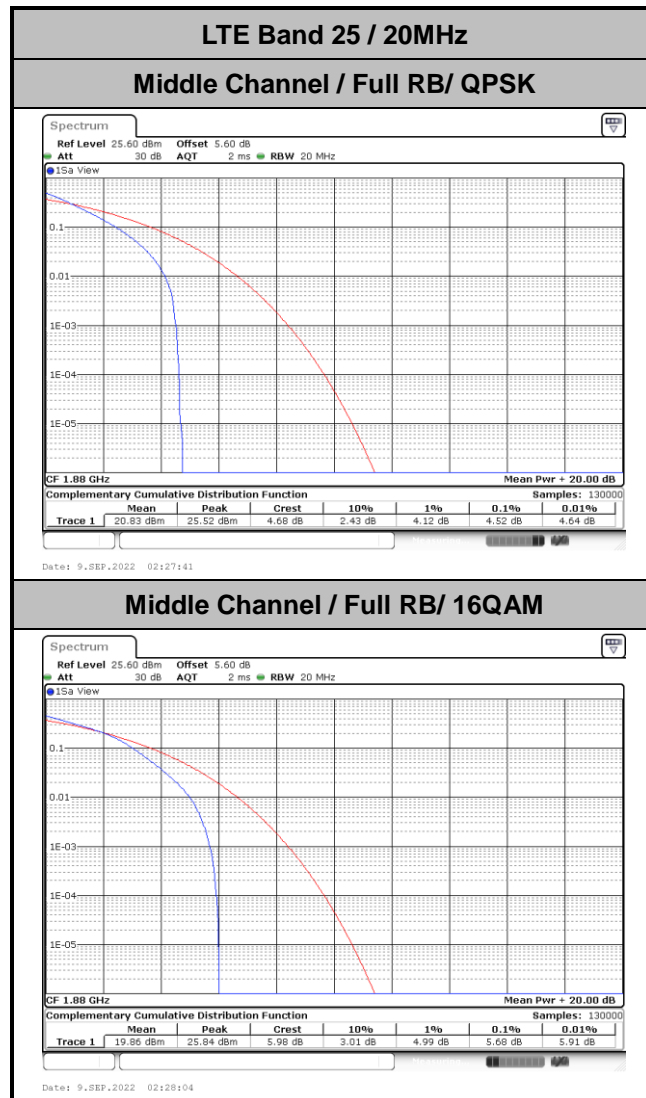
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

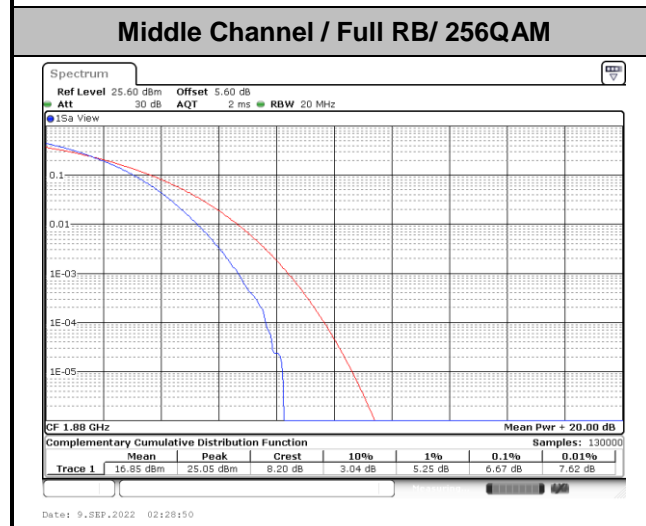
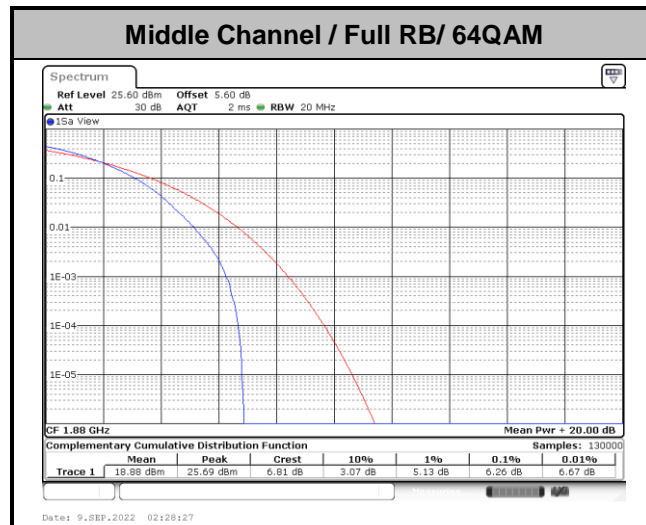


# LTE Band 25

## Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.52	5.68	6.26	PASS
Mode	LTE Band 25 / 20MHz			
Mod.	256QAM			Limit: 13dB
RB Size	Full RB			Result
Middle CH	6.67			PASS

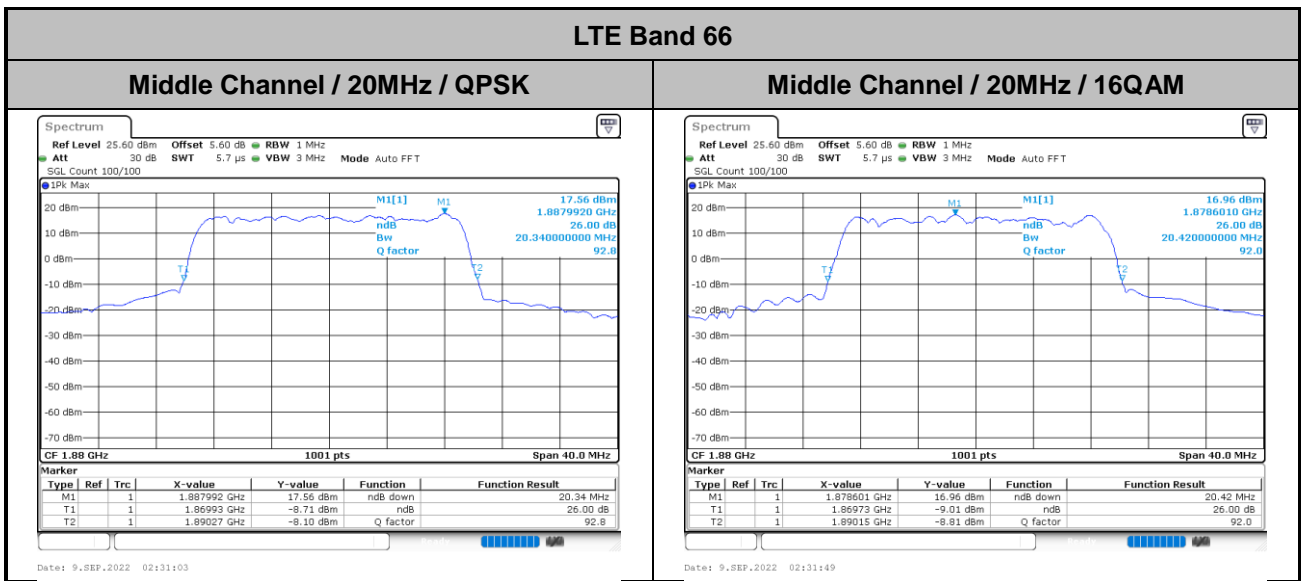






## 26dB Bandwidth

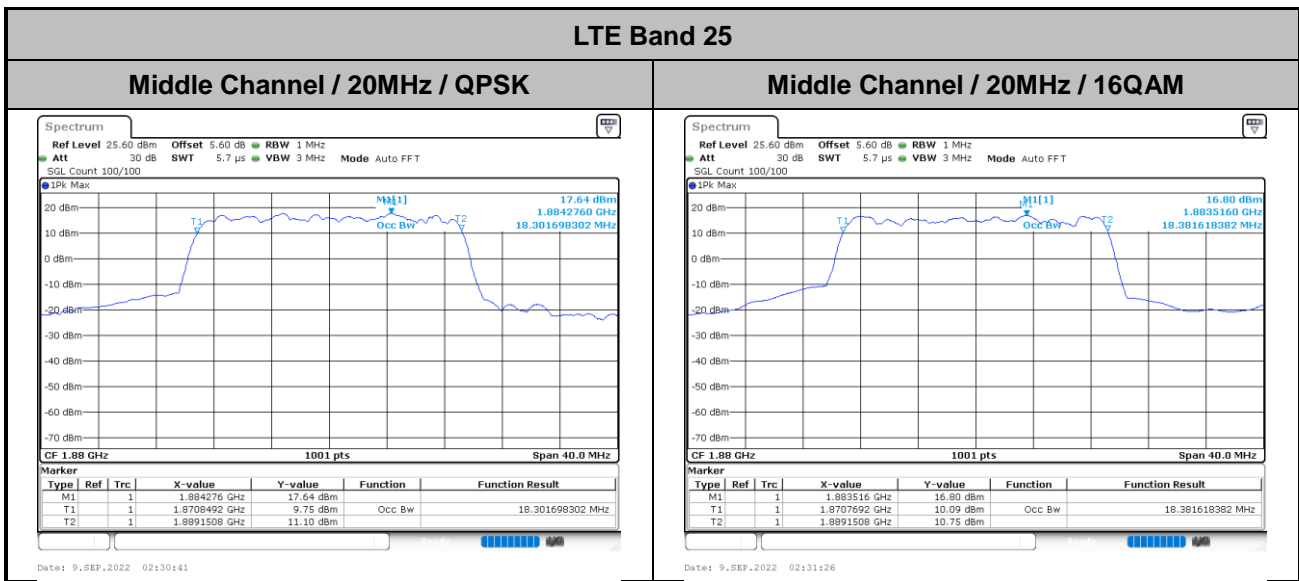
Mode	LTE Band 25 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.34	20.42





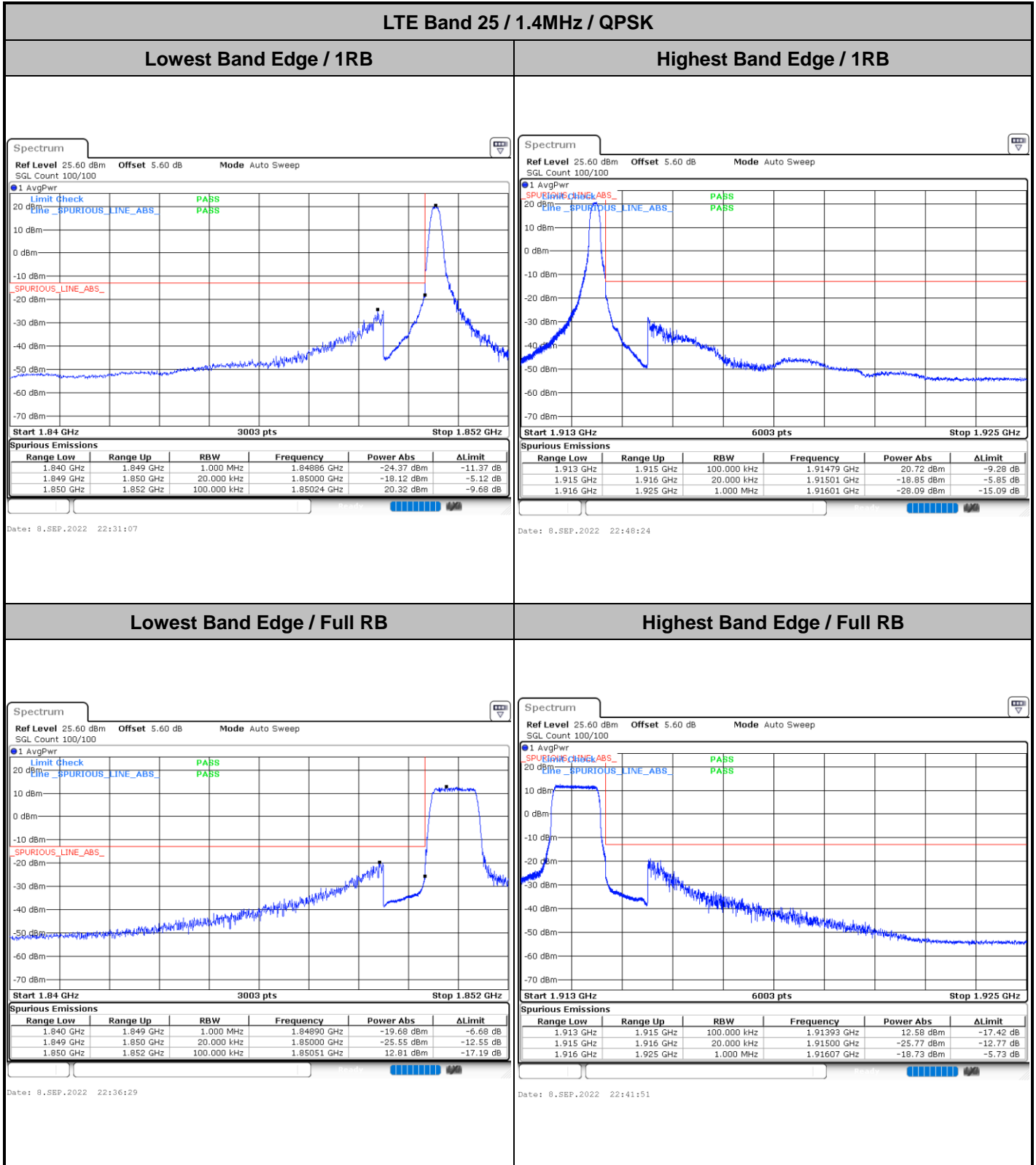
# Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.30	18.38





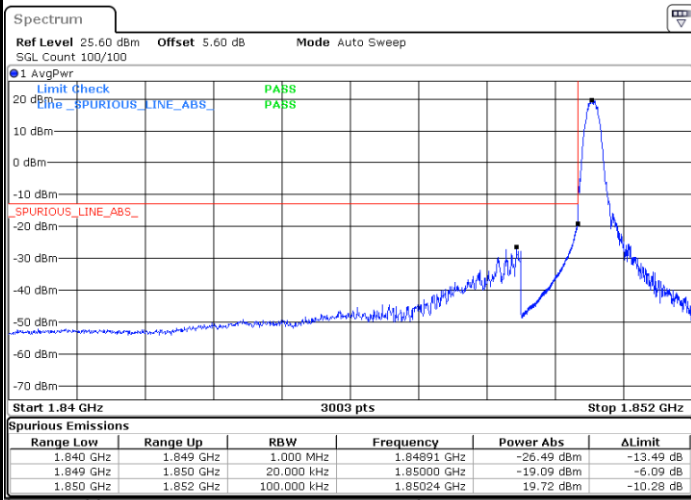
# Conducted Band Edge





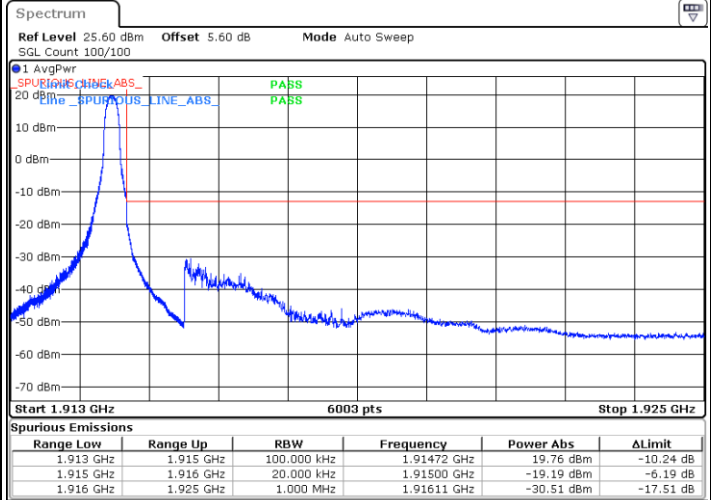
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



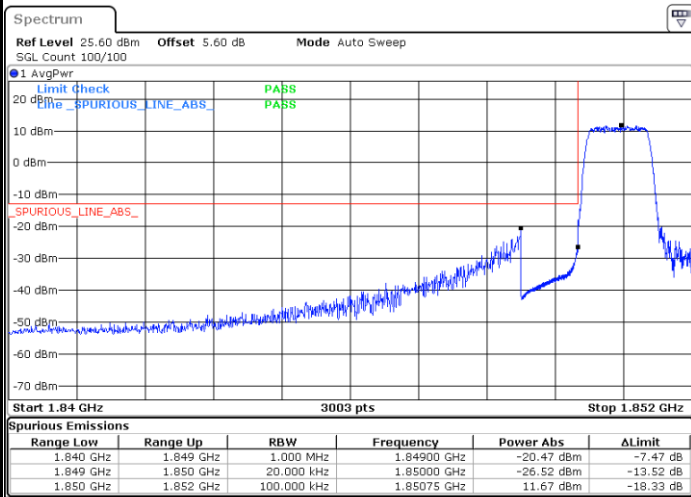
Date: 8.SEP.2022 22:32:27

Highest Band Edge / 1 RB



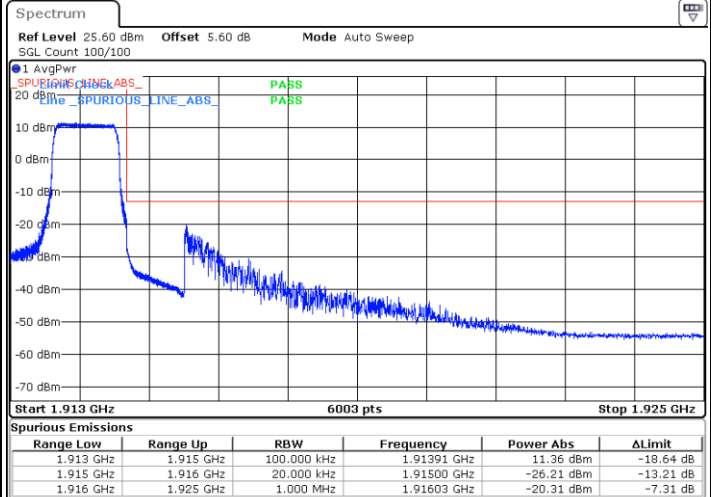
Date: 8.SEP.2022 22:49:44

Lowest Band Edge / Full RB



Date: 8.SEP.2022 22:37:49

Highest Band Edge / Full RB

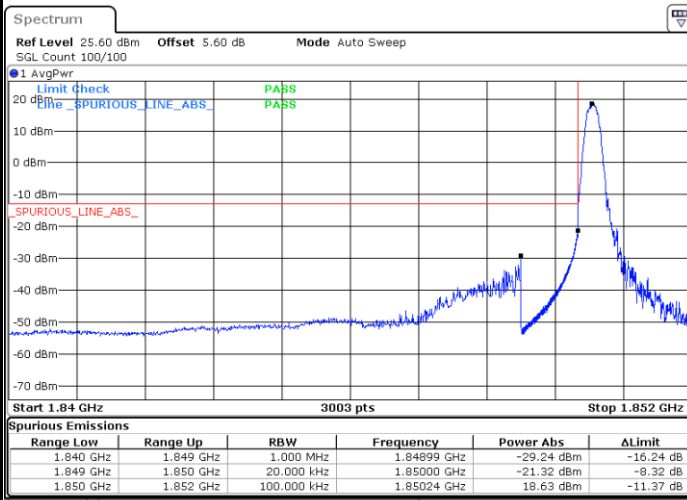


Date: 8.SEP.2022 22:43:10



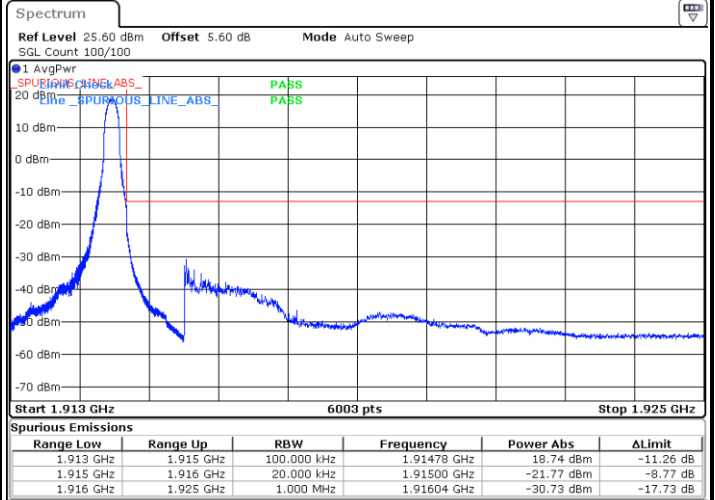
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



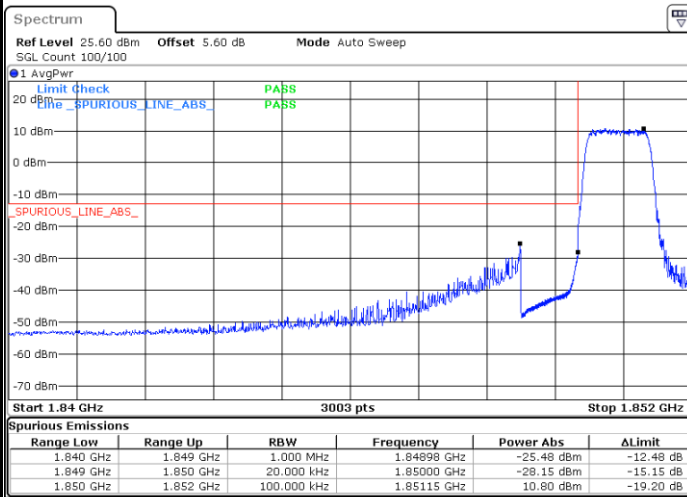
Date: 8.SEP.2022 22:33:47

Highest Band Edge / 1 RB



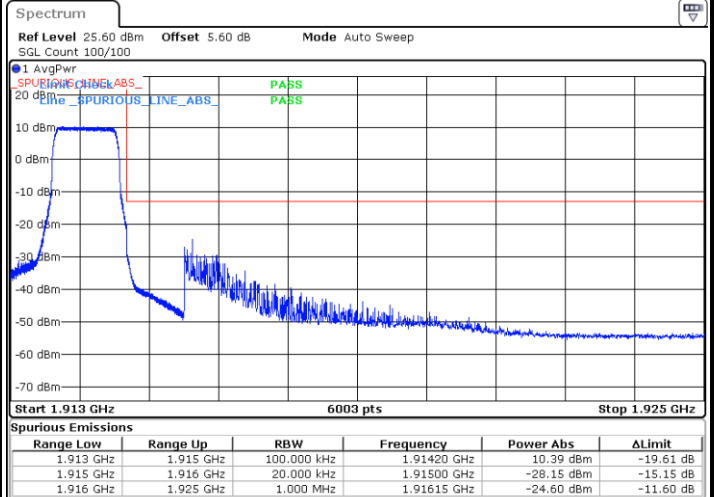
Date: 8.SEP.2022 22:51:04

Lowest Band Edge / Full RB



Date: 8.SEP.2022 22:39:08

Highest Band Edge / Full RB

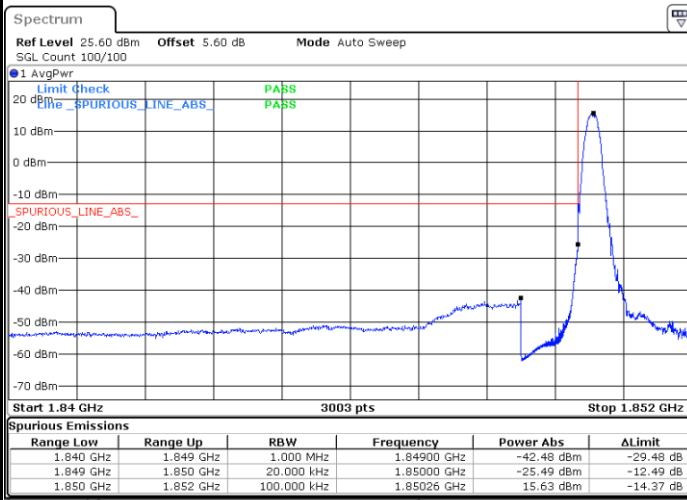


Date: 8.SEP.2022 22:44:30



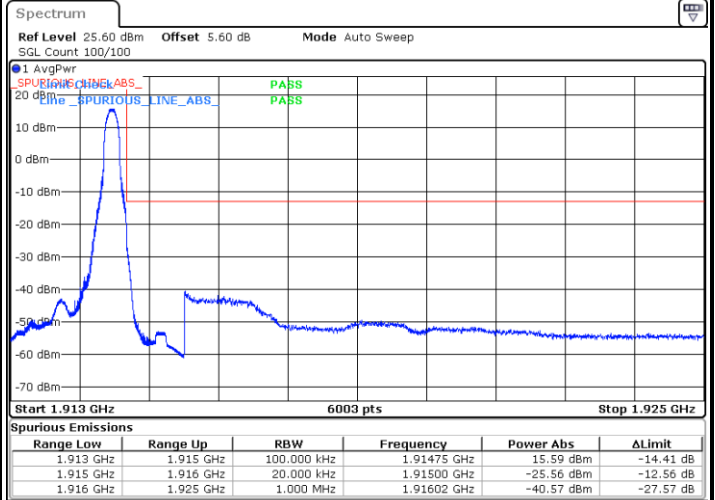
LTE Band 25 / 1.4MHz /256QAM

Lowest Band Edge / 1 RB



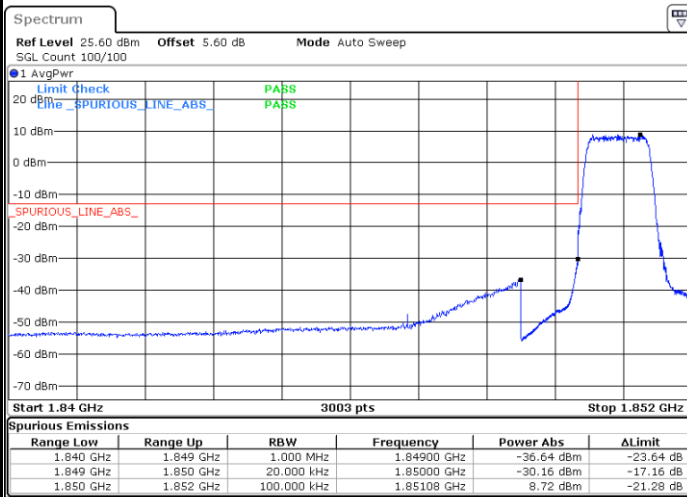
Date: 8.SEP.2022 22:35:07

Highest Band Edge / 1 RB



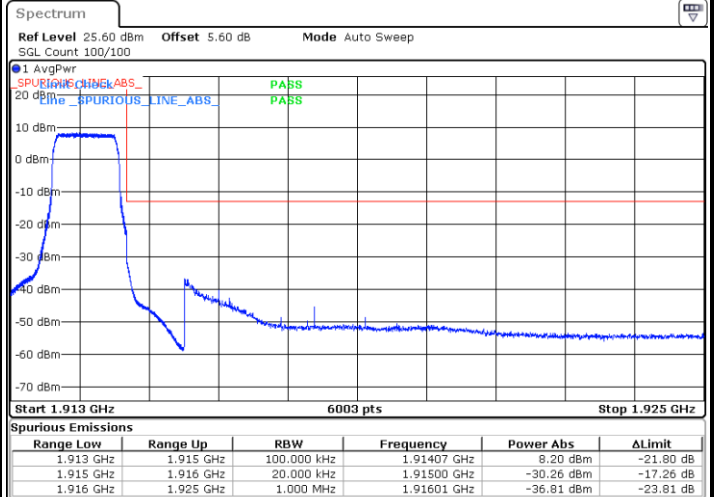
Date: 9.SEP.2022 02:40:51

Lowest Band Edge / Full RB



Date: 8.SEP.2022 22:40:28

Highest Band Edge / Full RB

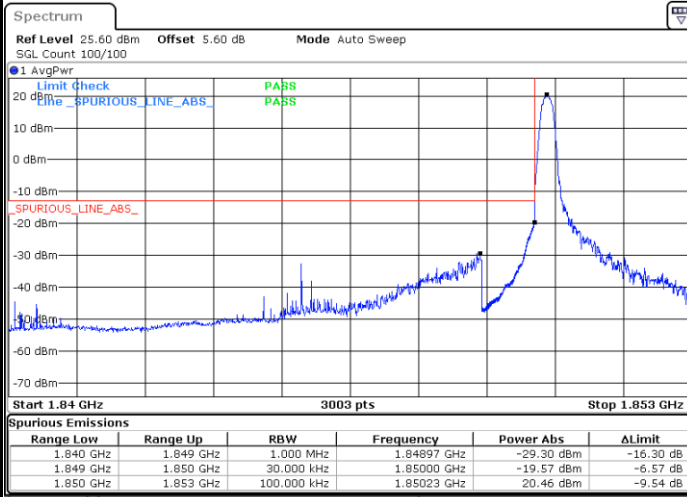


Date: 8.SEP.2022 22:47:04



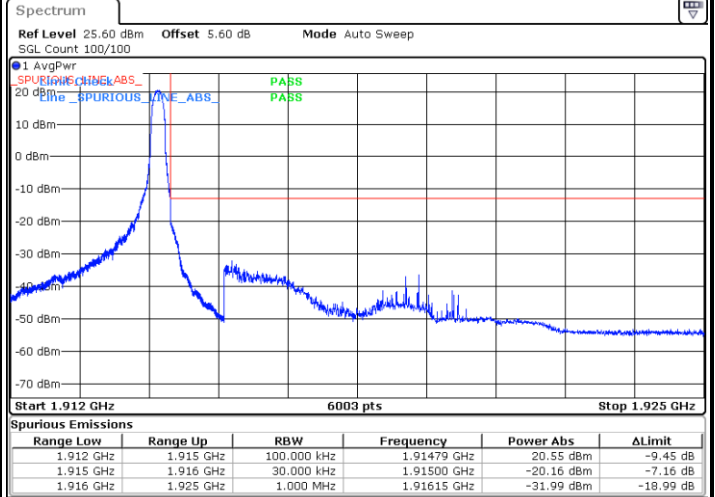
LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / 1RB



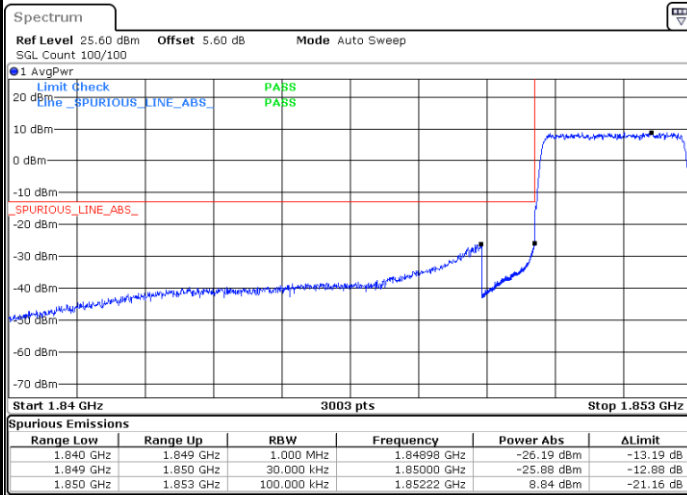
Date: 8.SEP.2022 22:55:32

Highest Band Edge / 1 RB



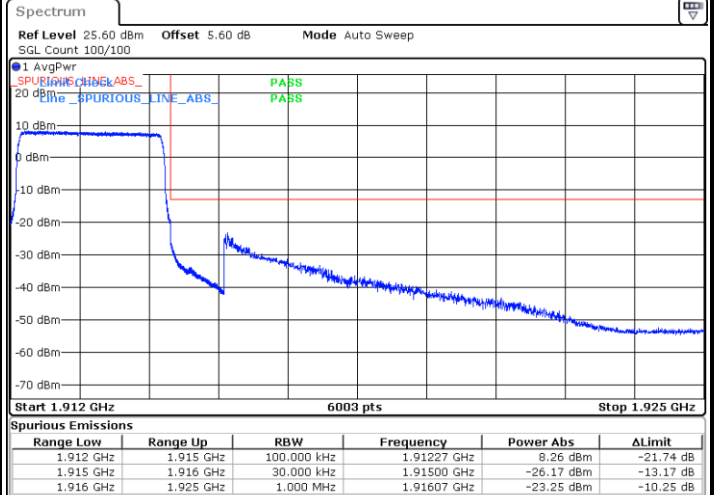
Date: 8.SEP.2022 23:11:36

Lowest Band Edge / Full RB



Date: 8.SEP.2022 23:00:51

Highest Band Edge / Full RB

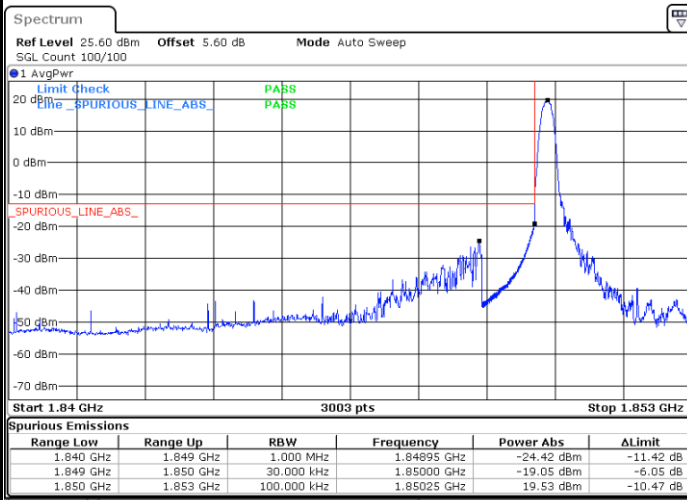


Date: 8.SEP.2022 23:06:14



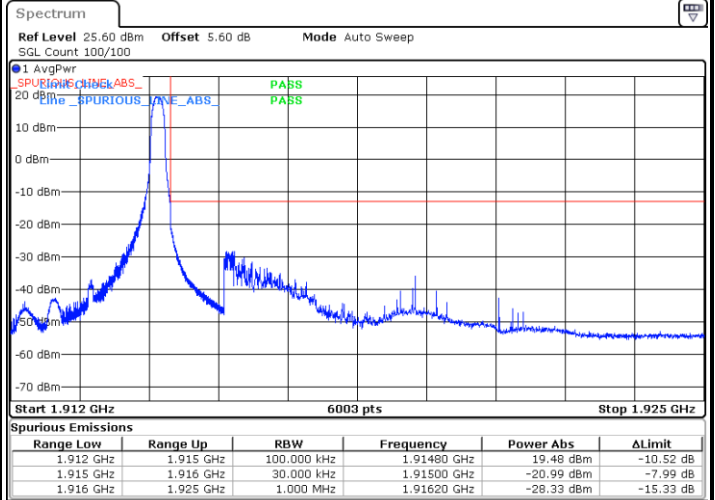
LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



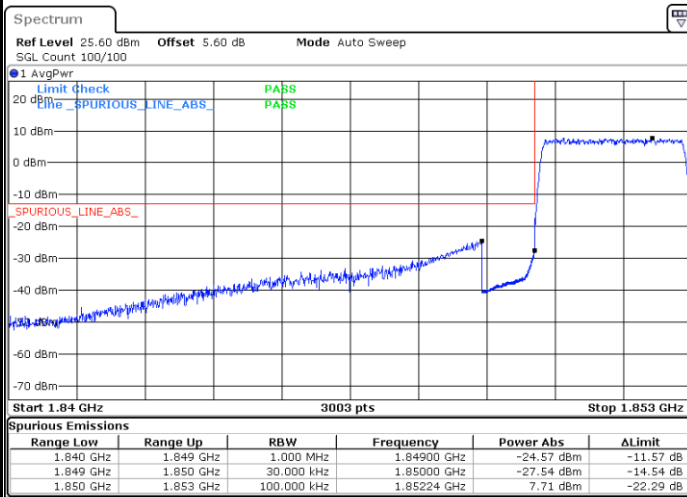
Date: 8.SEP.2022 22:56:52

Highest Band Edge / 1 RB



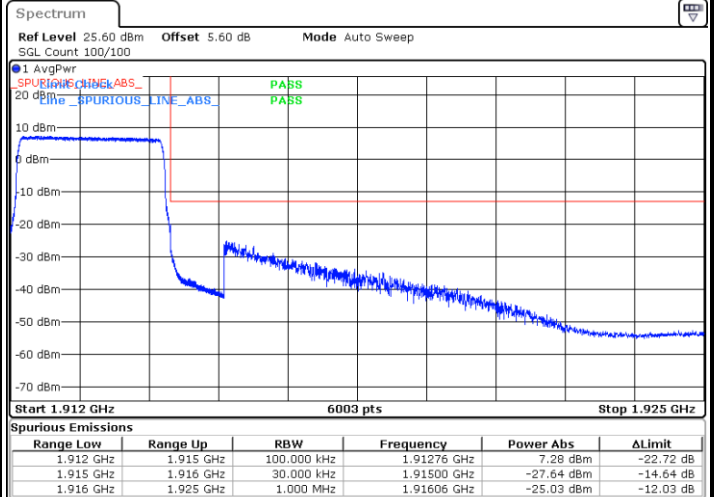
Date: 8.SEP.2022 23:12:55

Lowest Band Edge / Full RB



Date: 8.SEP.2022 23:02:11

Highest Band Edge / Full RB

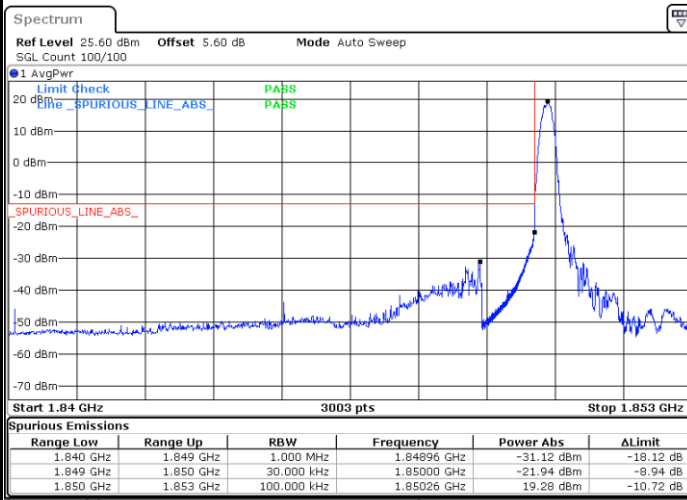


Date: 8.SEP.2022 23:07:33



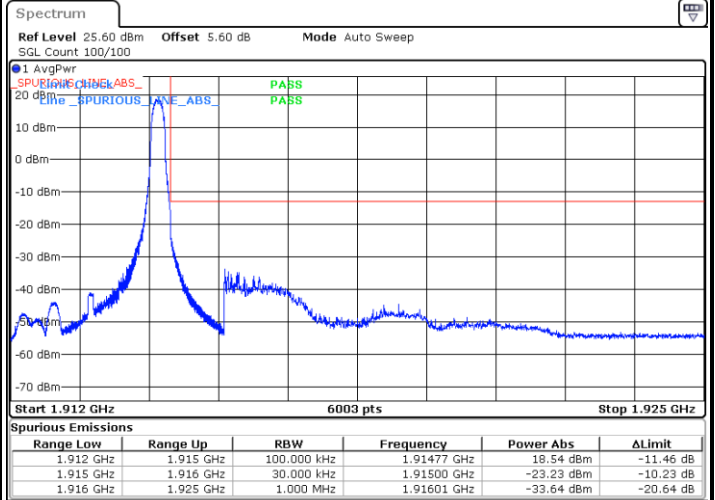
LTE Band 25 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



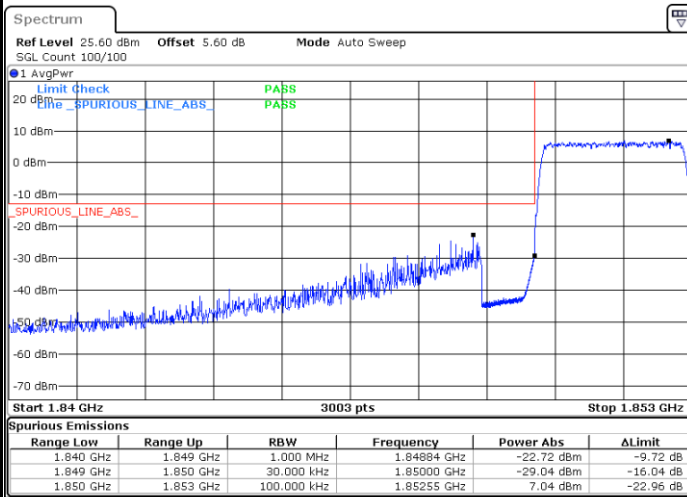
Date: 8.SEP.2022 22:58:12

Highest Band Edge / 1 RB



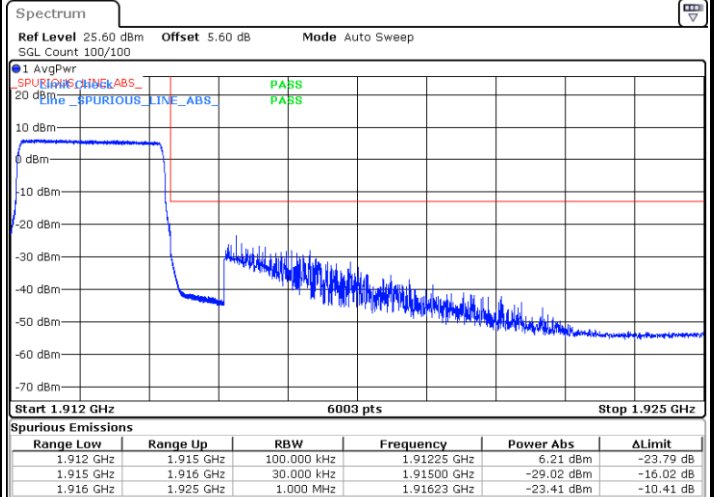
Date: 8.SEP.2022 23:14:15

Lowest Band Edge / Full RB



Date: 8.SEP.2022 23:03:31

Highest Band Edge / Full RB

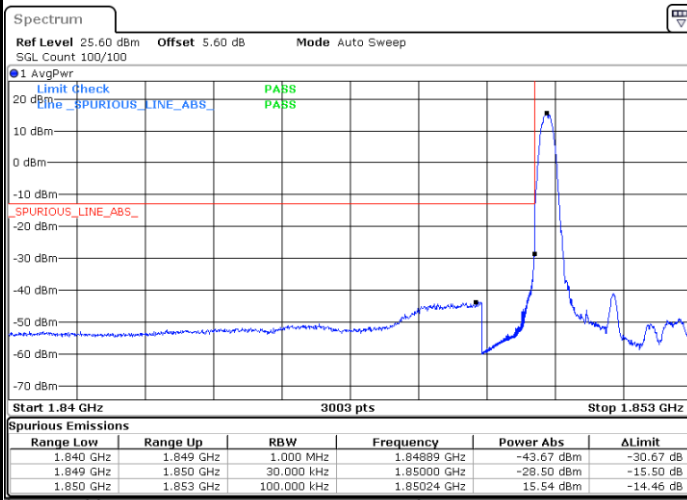


Date: 8.SEP.2022 23:08:53



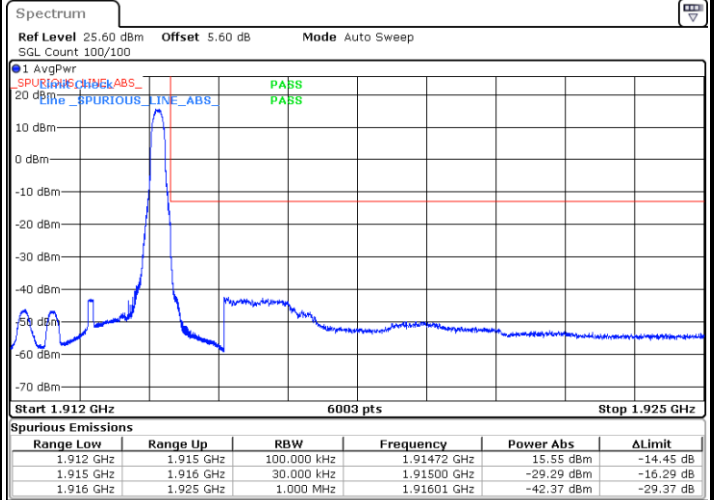
LTE Band 25 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



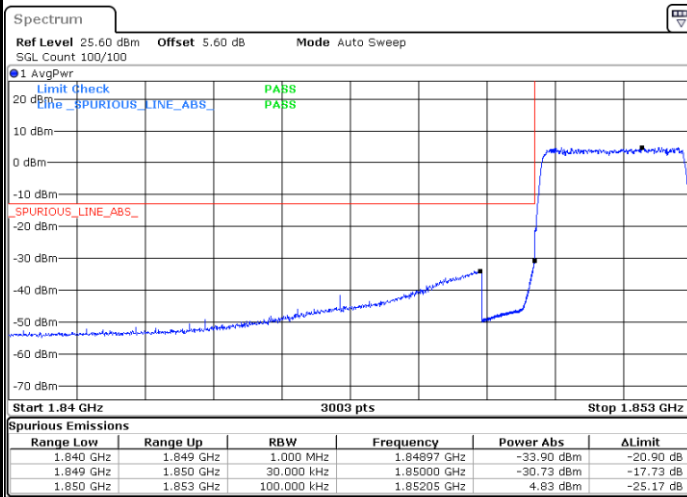
Date: 8.SEP.2022 22:59:31

Highest Band Edge / 1 RB



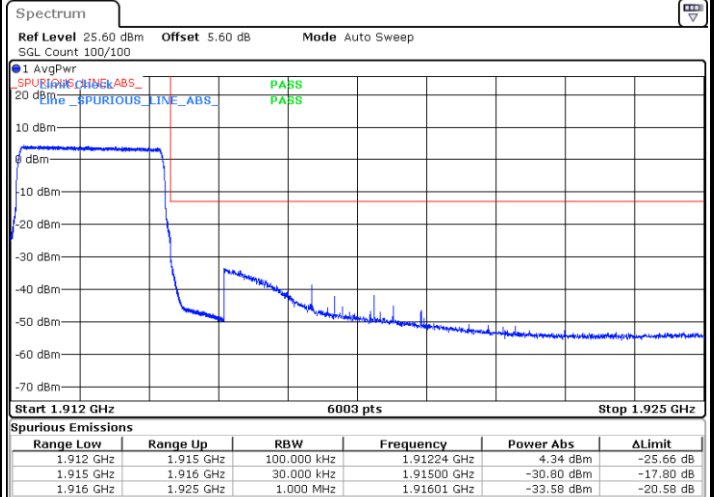
Date: 8.SEP.2022 23:15:35

Lowest Band Edge / Full RB



Date: 8.SEP.2022 23:04:51

Highest Band Edge / Full RB



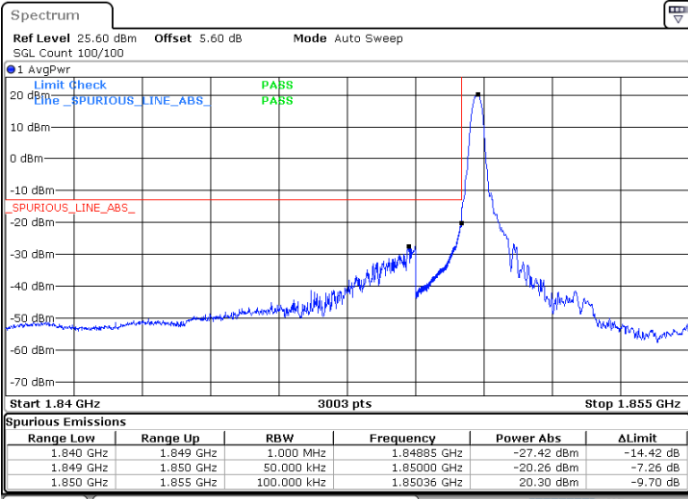
Date: 8.SEP.2022 23:10:13



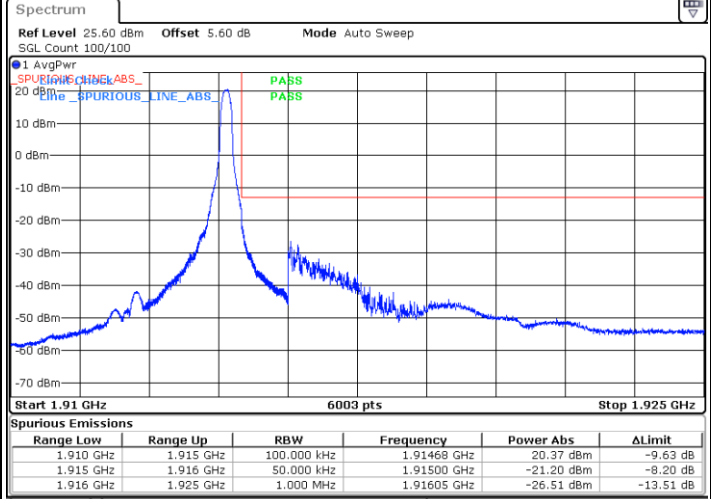
LTE Band 25 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



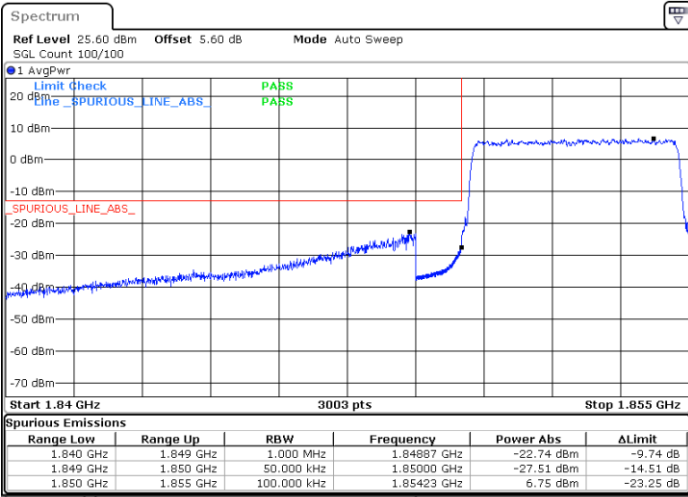
Date: 8.SEP.2022 23:26:07



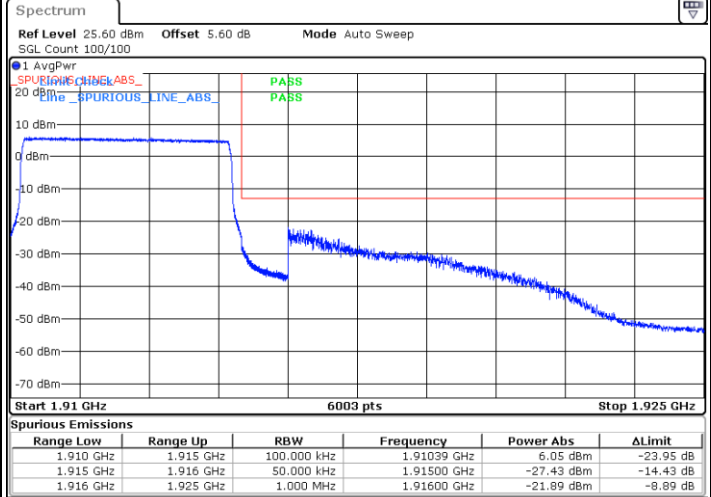
Date: 9.SEP.2022 02:35:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.SEP.2022 23:31:26

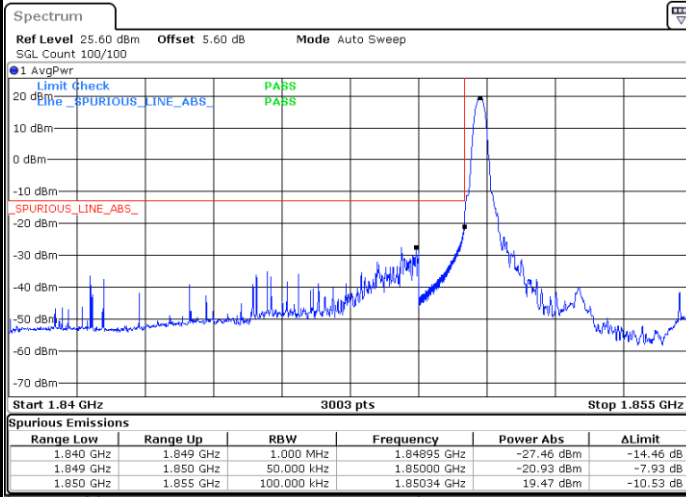


Date: 8.SEP.2022 23:36:48

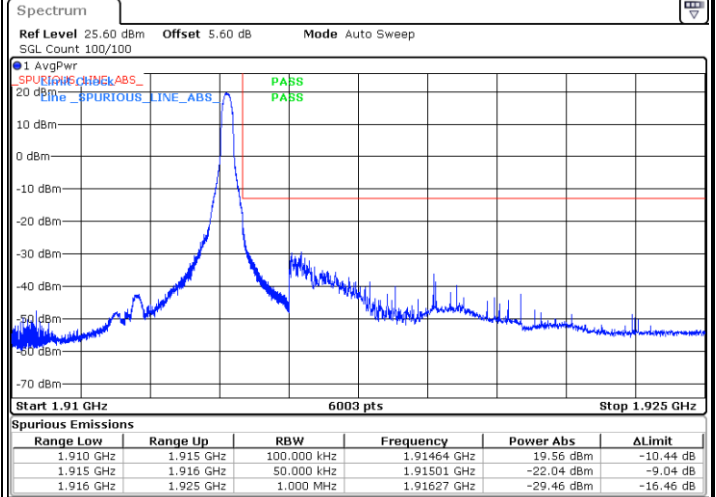


LTE Band 25 / 5MHz / 16QAM

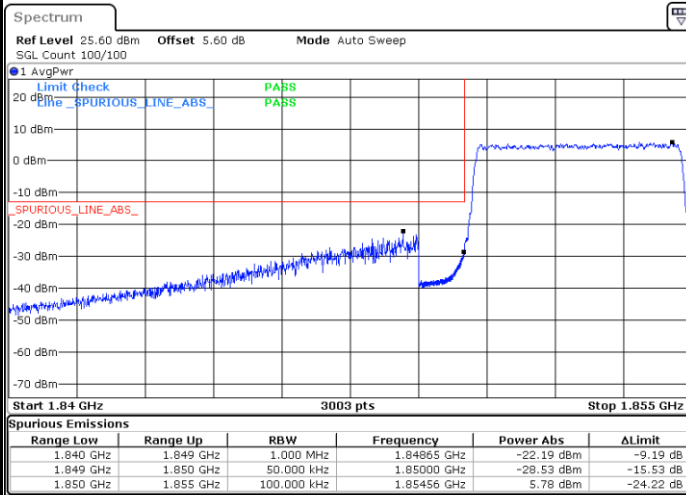
Lowest Band Edge / 1RB



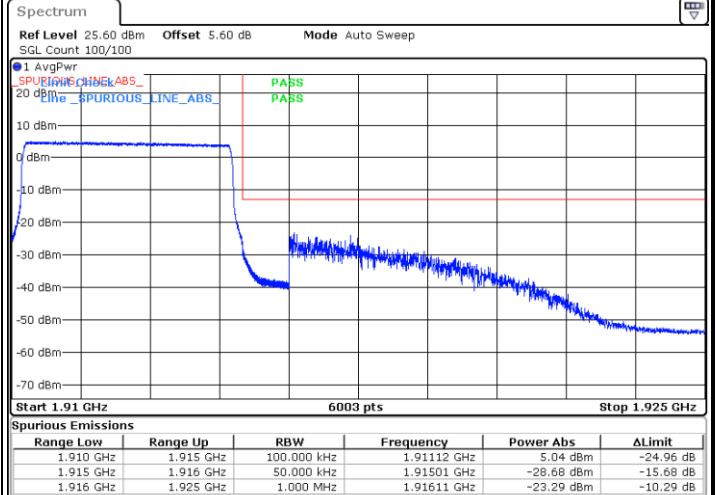
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



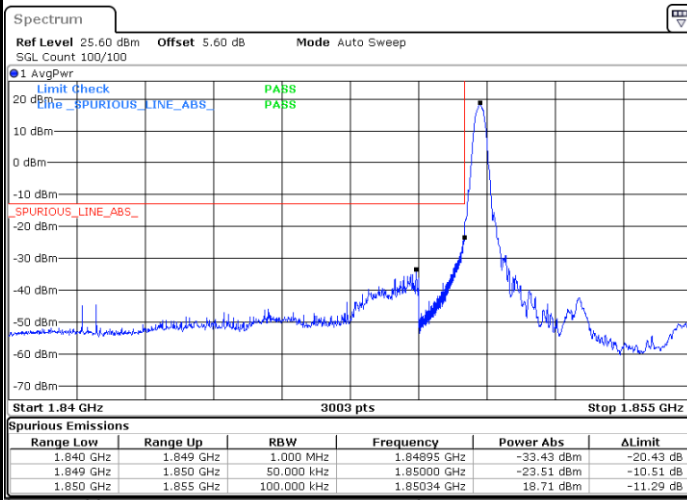
Highest Band Edge / Full RB





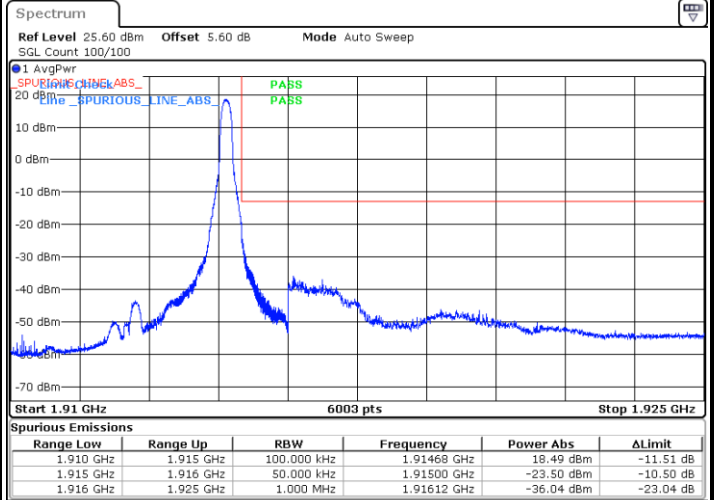
LTE Band 25 / 5MHz / 64QAM

Lowest Band Edge / 1RB



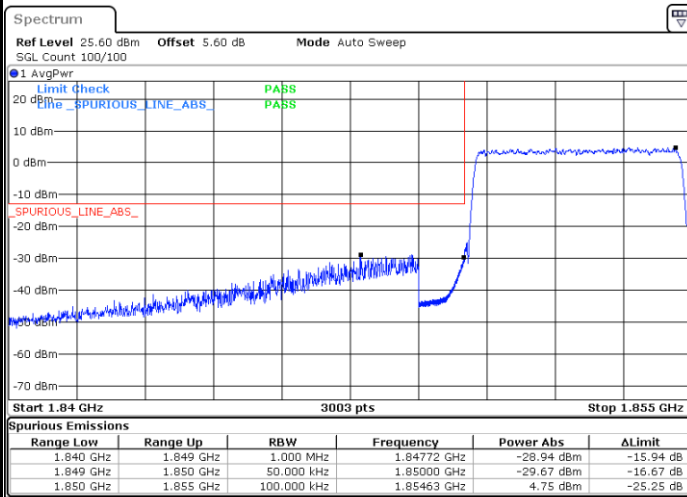
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Highest Band Edge / 1 RB



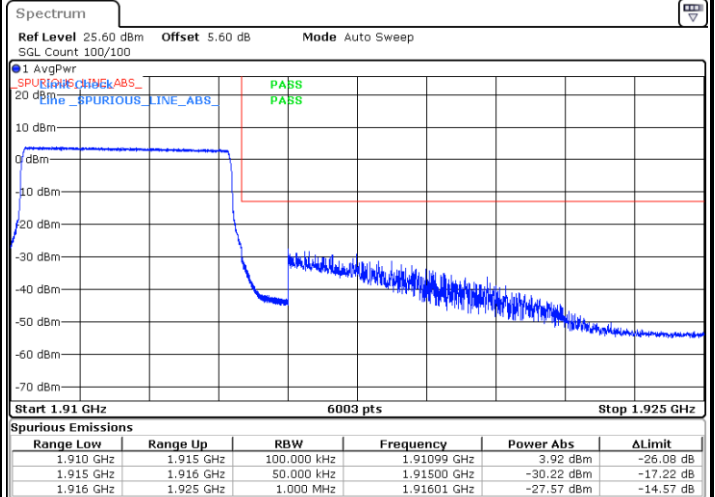
Date: 9.SEP.2022 02:37:02

Lowest Band Edge / Full RB



Date: 8.SEP.2022 23:34:06

Highest Band Edge / Full RB



Date: 8.SEP.2022 23:39:28