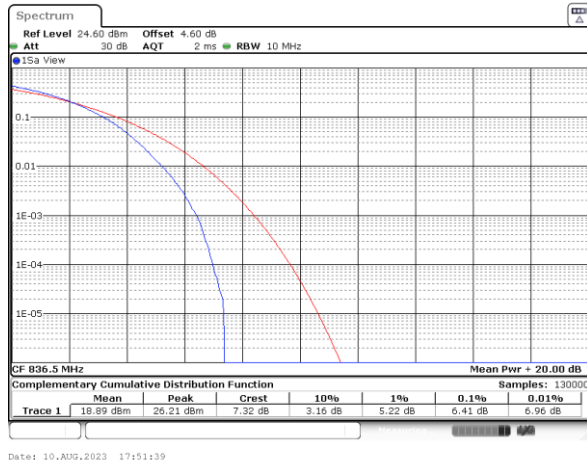
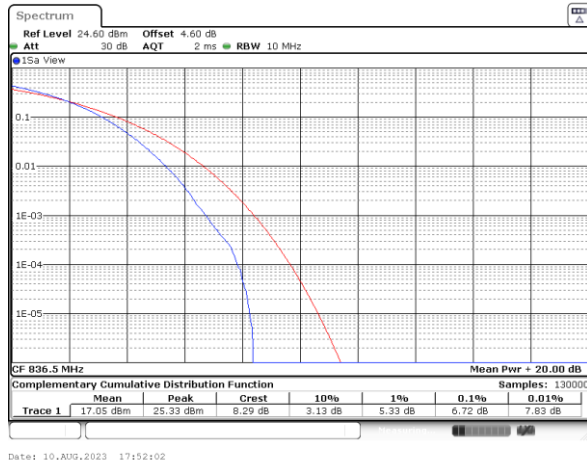




Middle Channel / Full RB/ 64QAM



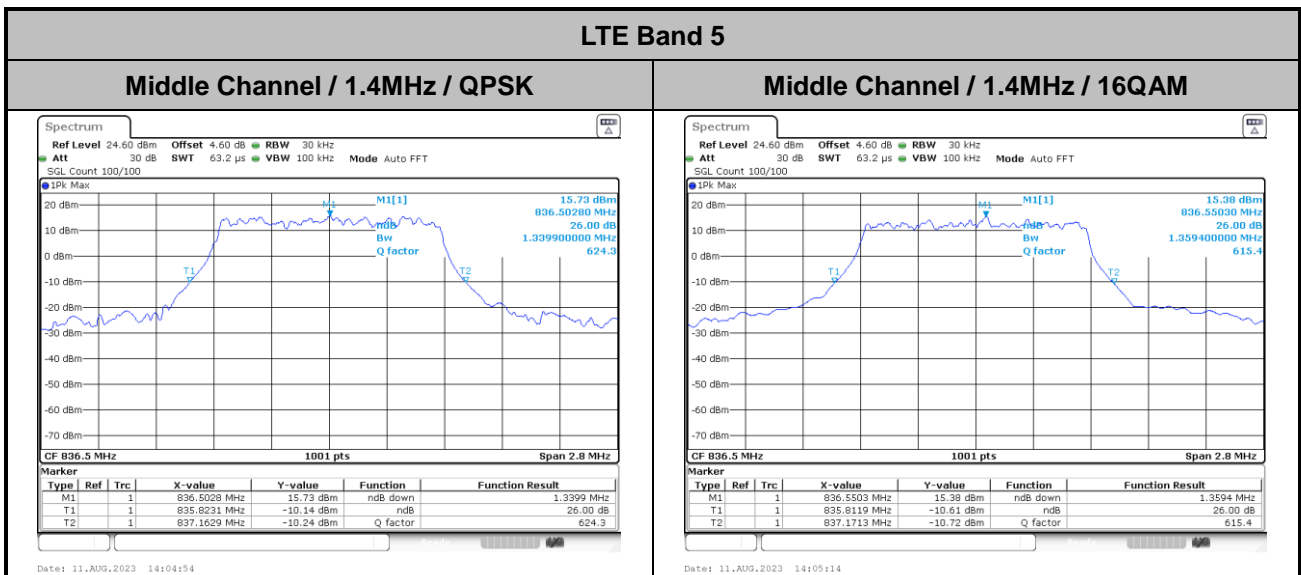
Middle Channel / Full RB/ 256QAM





## 26dB Bandwidth

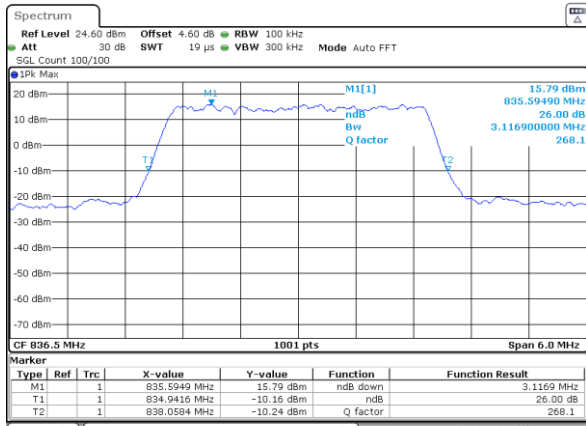
Mode	LTE Band 5 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.34	1.36
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.12	3.08
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.12	5.12
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.95	9.63





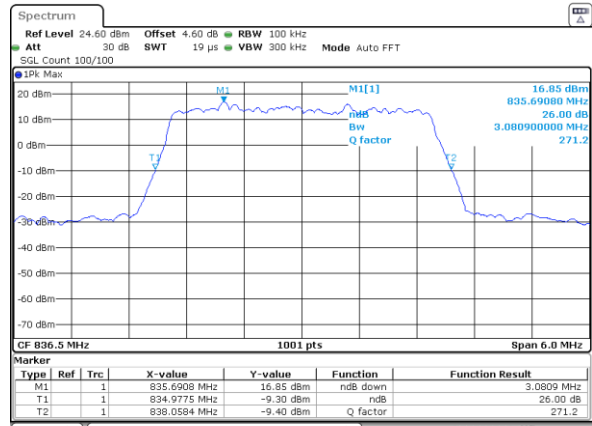
LTE Band 5

Middle Channel / 3MHz / QPSK



Date: 11.AUG.2023 14:03:42

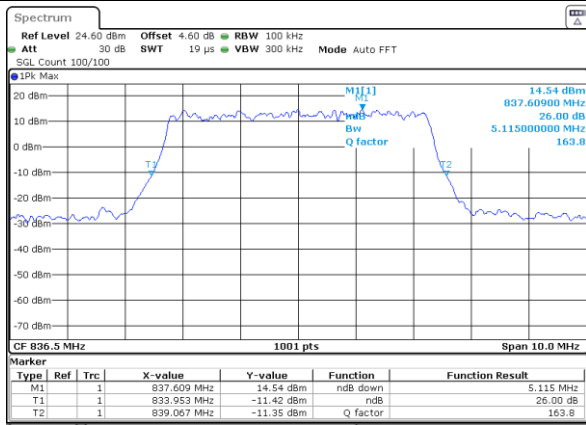
Middle Channel / 3MHz / 16QAM



Date: 11.AUG.2023 14:04:03

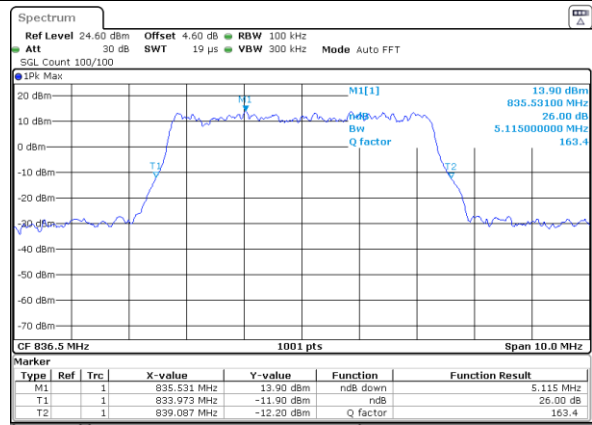
LTE Band 5

Middle Channel / 5MHz / QPSK



Date: 11.AUG.2023 14:02:59

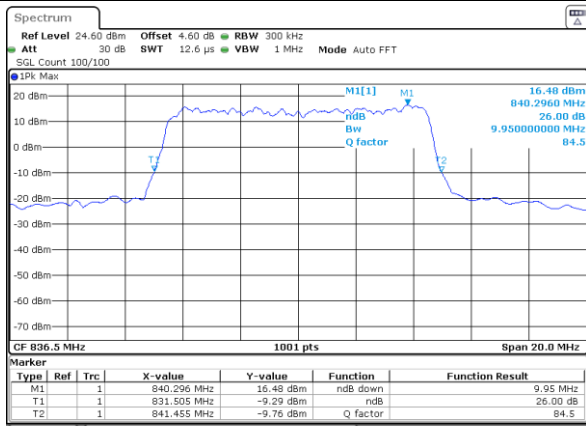
Middle Channel / 5MHz / 16QAM



Date: 11.AUG.2023 14:03:20

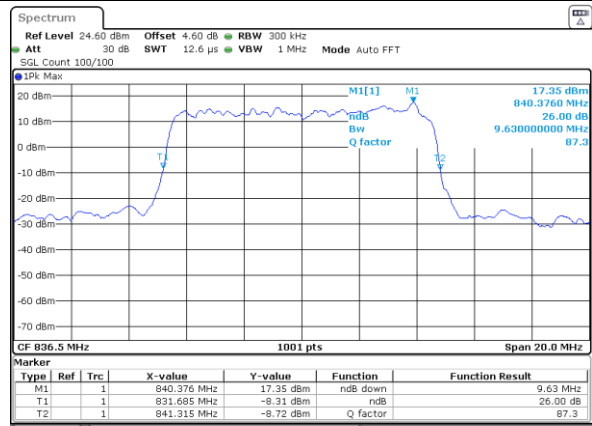
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 11.AUG.2023 14:02:16

Middle Channel / 10MHz / 16QAM

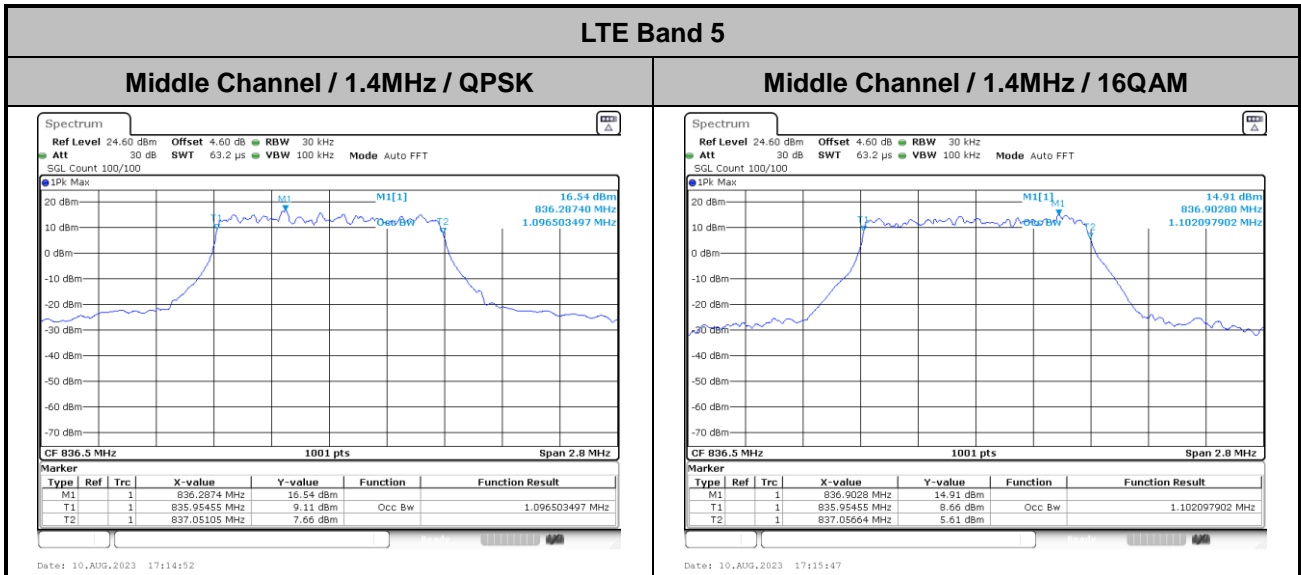


Date: 11.AUG.2023 14:02:38



# Occupied Bandwidth

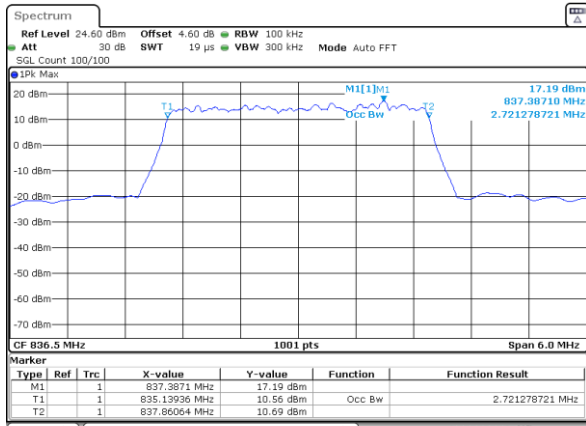
Mode	LTE Band 5 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	8.99





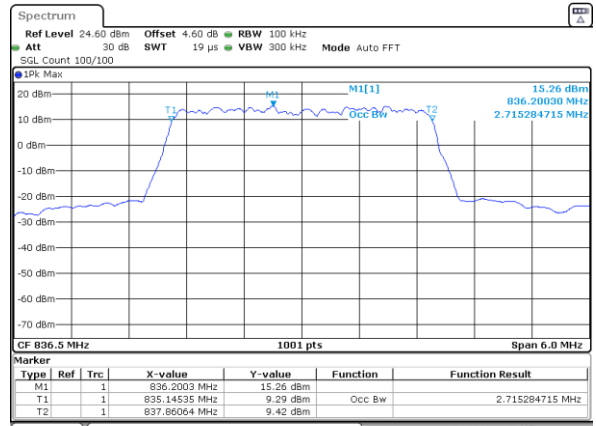
LTE Band 5

Middle Channel / 3MHz / QPSK



Date: 10\_AUG.2023 17:12:56

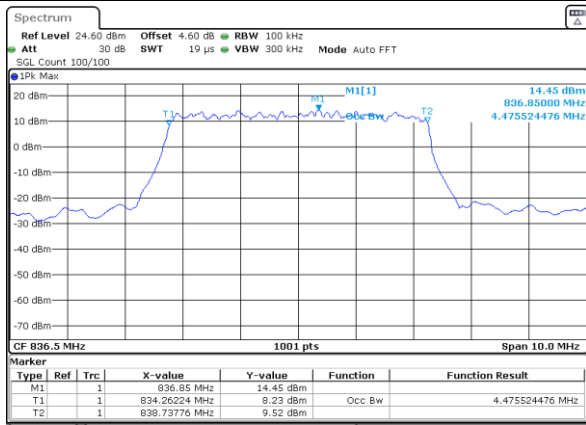
Middle Channel / 3MHz / 16QAM



Date: 10\_AUG.2023 17:13:20

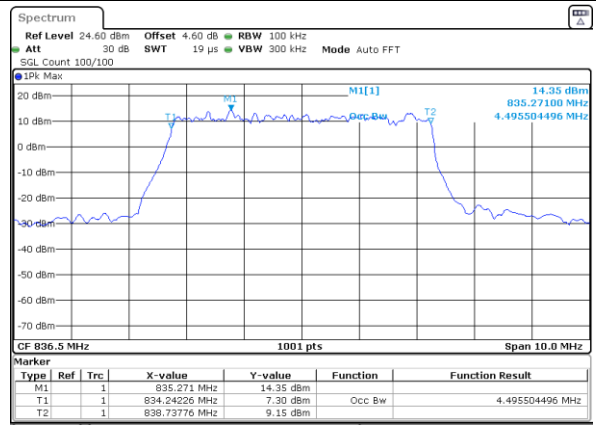
LTE Band 5

Middle Channel / 5MHz / QPSK



Date: 10\_AUG.2023 17:17:16

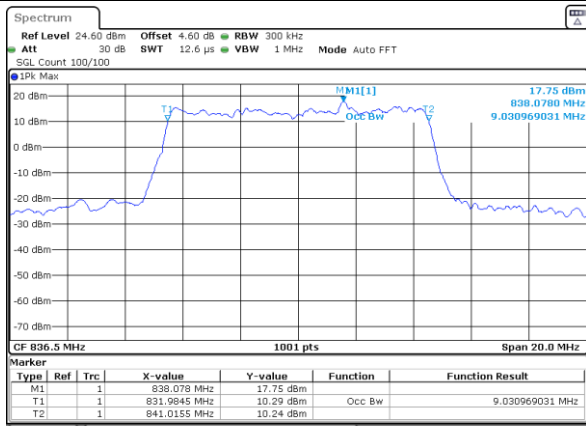
Middle Channel / 5MHz / 16QAM



Date: 10\_AUG.2023 17:18:09

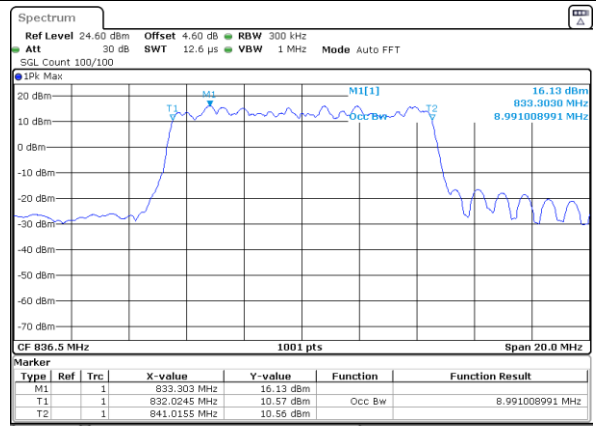
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 10\_AUG.2023 17:19:12

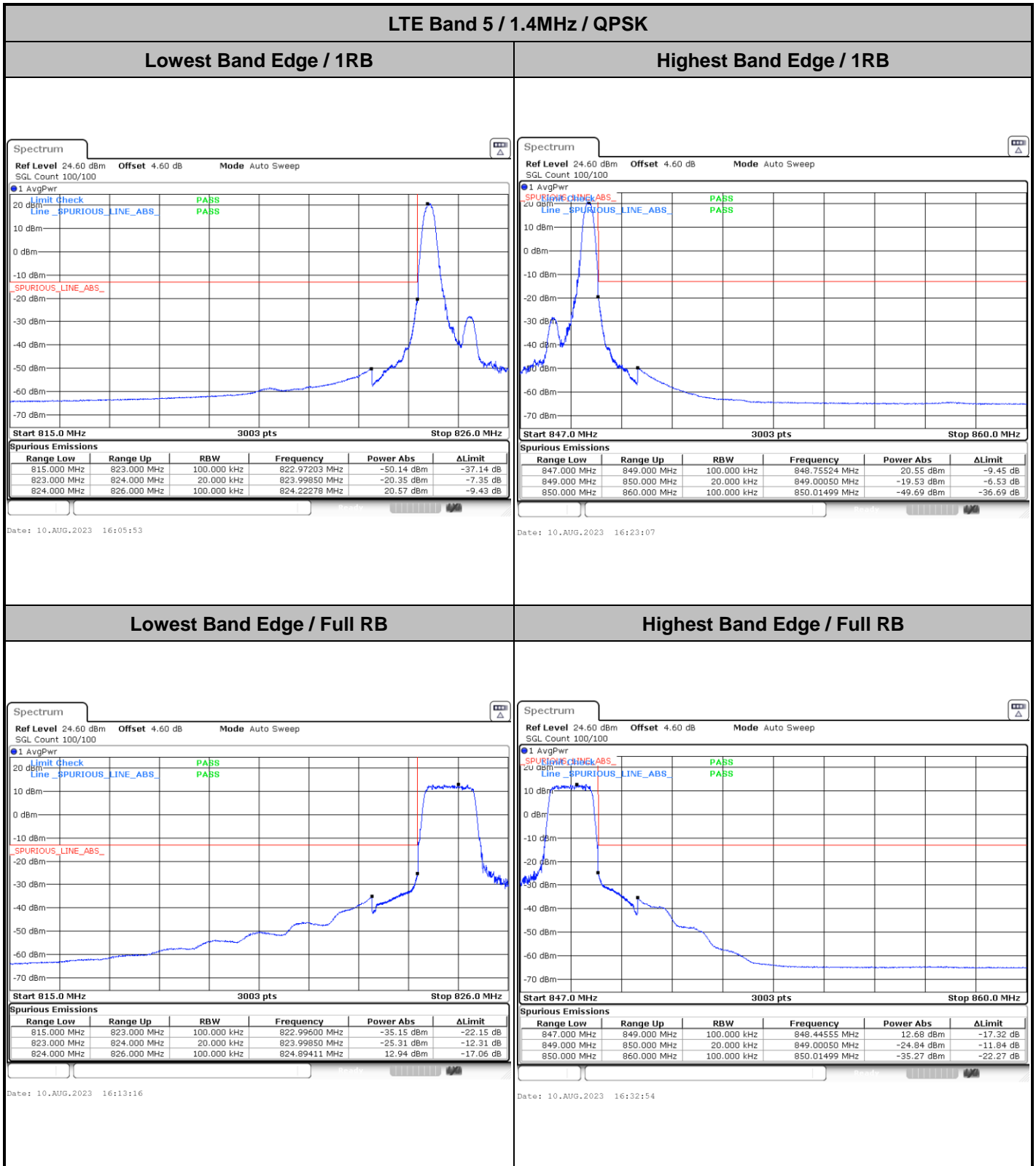
Middle Channel / 10MHz / 16QAM



Date: 10\_AUG.2023 17:19:35



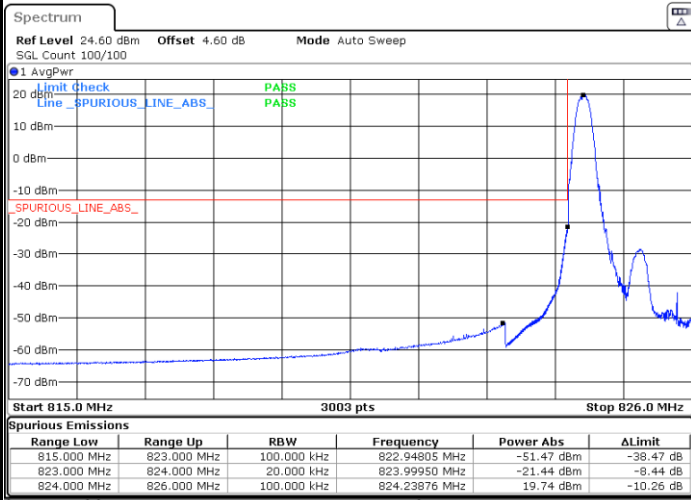
# Conducted Band Edge





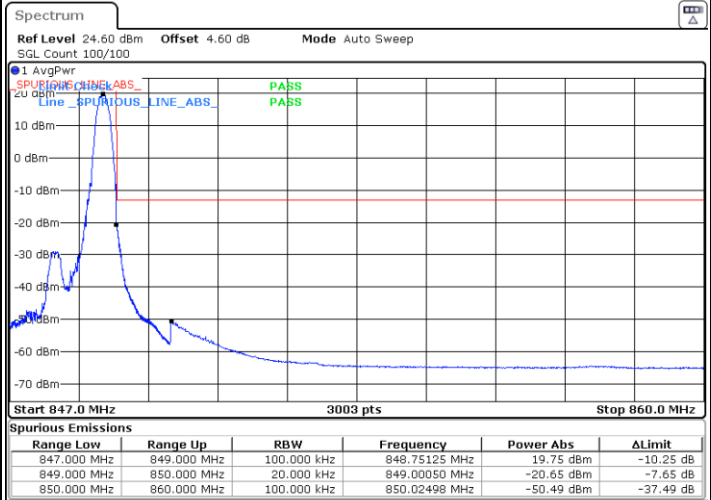
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



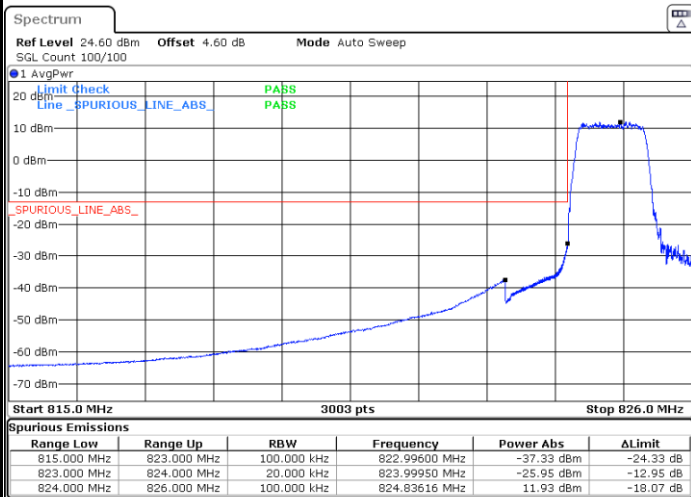
Date: 10.AUG.2023 16:07:45

Highest Band Edge / 1 RB



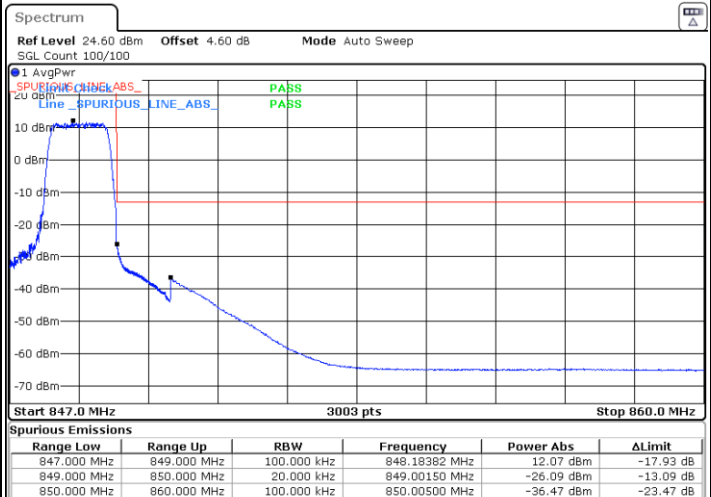
Date: 10.AUG.2023 16:29:14

Lowest Band Edge / Full RB



Date: 10.AUG.2023 16:15:06

Highest Band Edge / Full RB

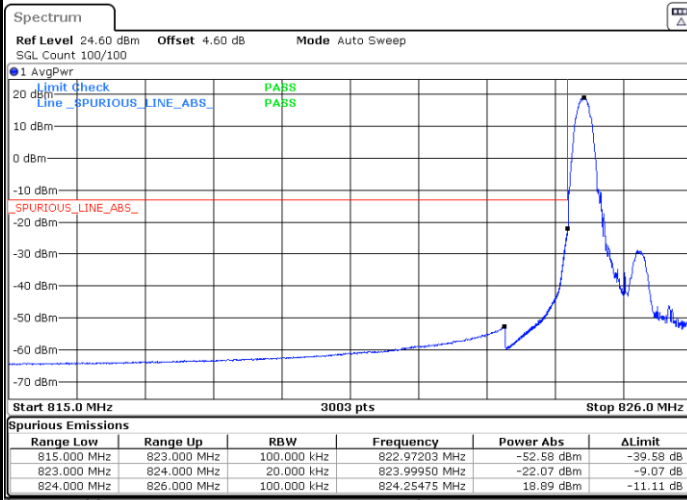


Date: 10.AUG.2023 16:34:44



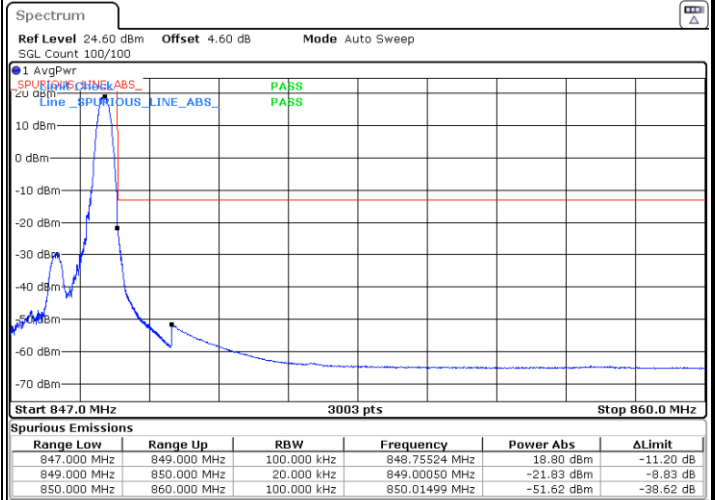
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



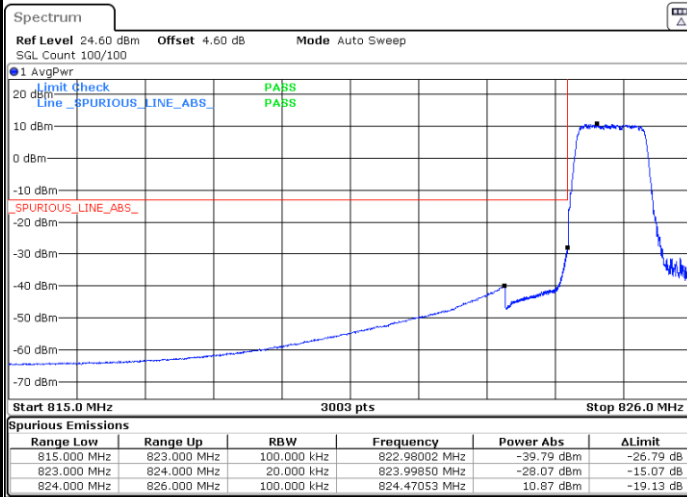
Date: 10.AUG.2023 16:09:35

Highest Band Edge / 1 RB



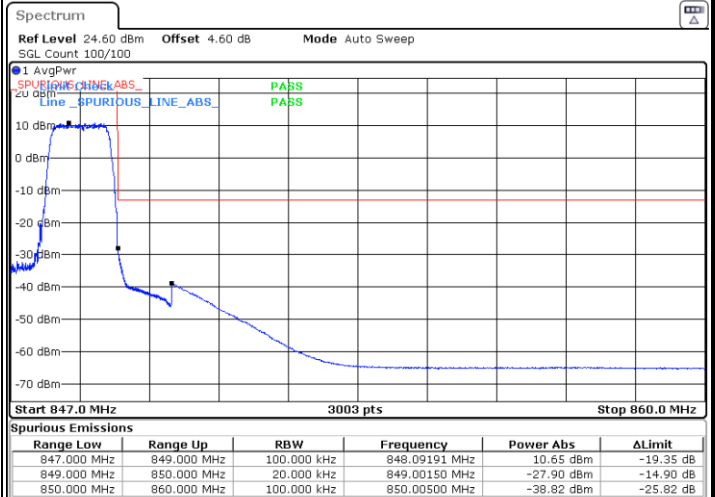
Date: 10.AUG.2023 16:26:46

Lowest Band Edge / Full RB



Date: 10.AUG.2023 16:16:56

Highest Band Edge / Full RB



Date: 10.AUG.2023 16:36:34

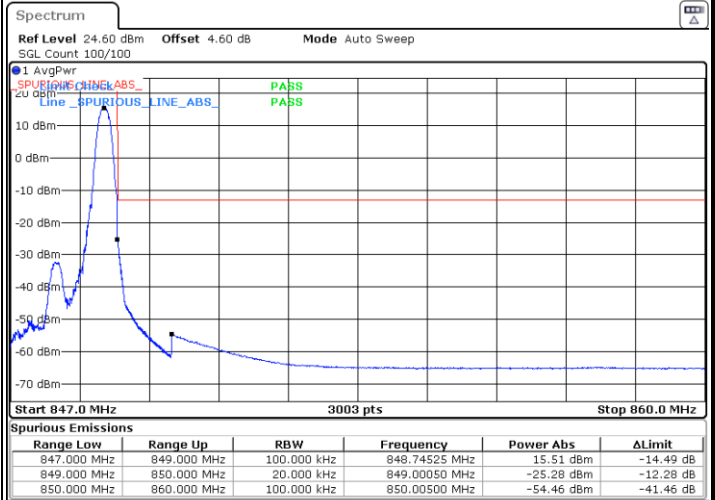
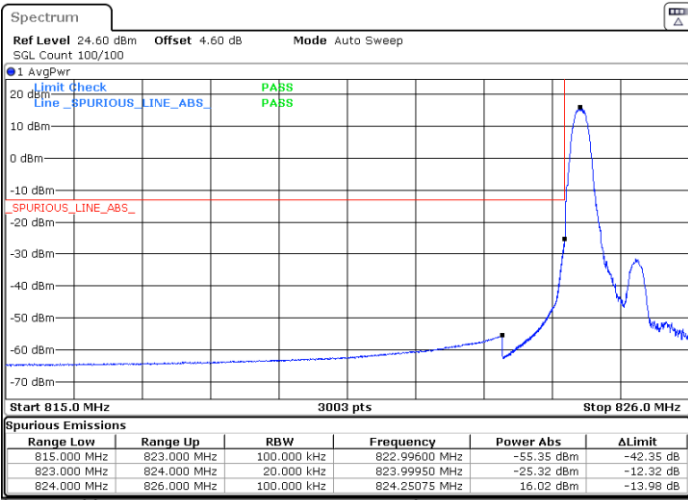




LTE Band 5 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

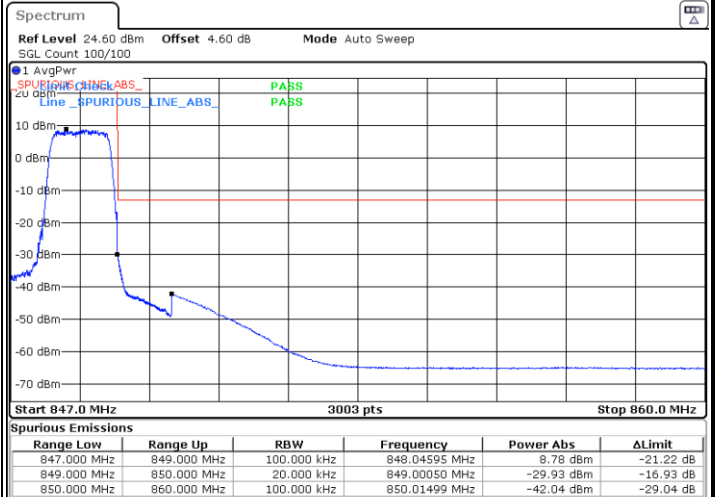
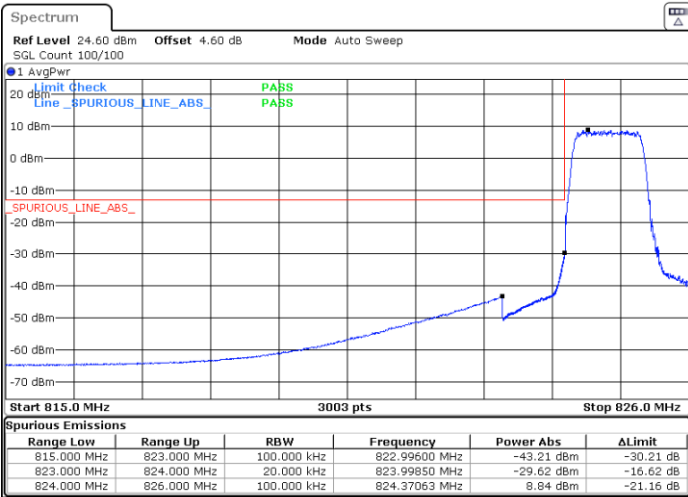


Date: 10.AUG.2023 16:11:25

Date: 10.AUG.2023 16:31:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



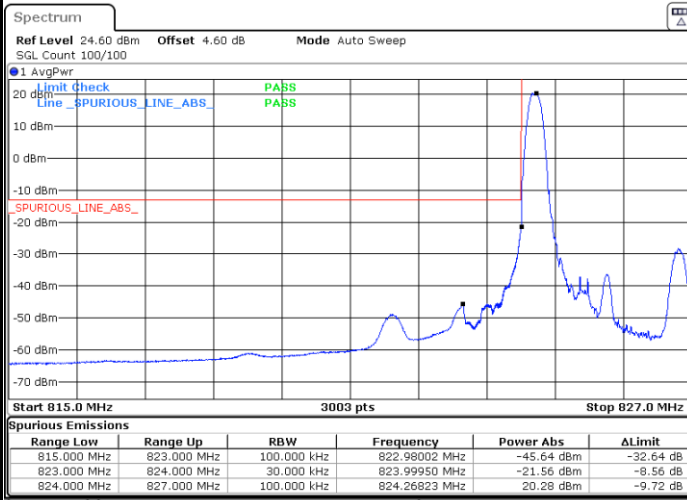
Date: 10.AUG.2023 16:18:46

Date: 10.AUG.2023 16:38:24



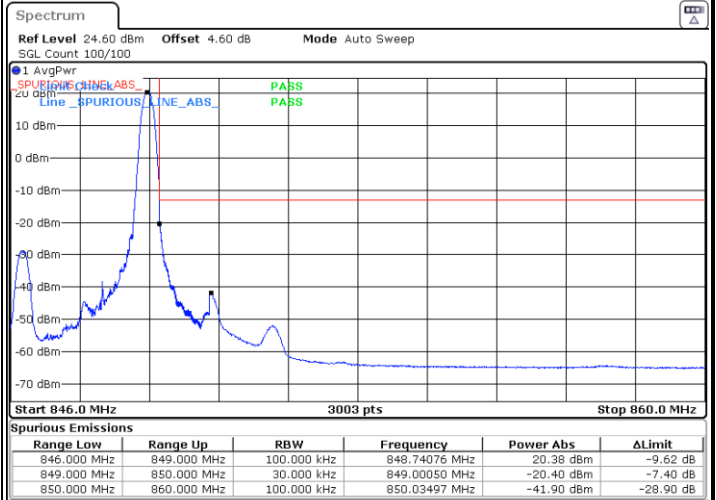
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



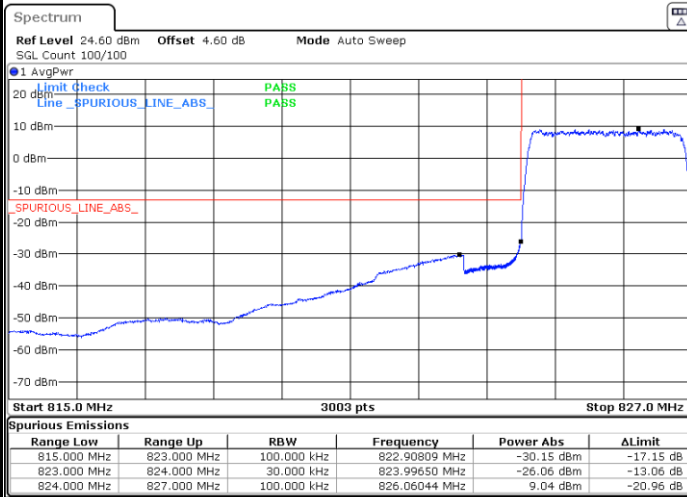
Date: 10.AUG.2023 16:41:43

Highest Band Edge / 1 RB



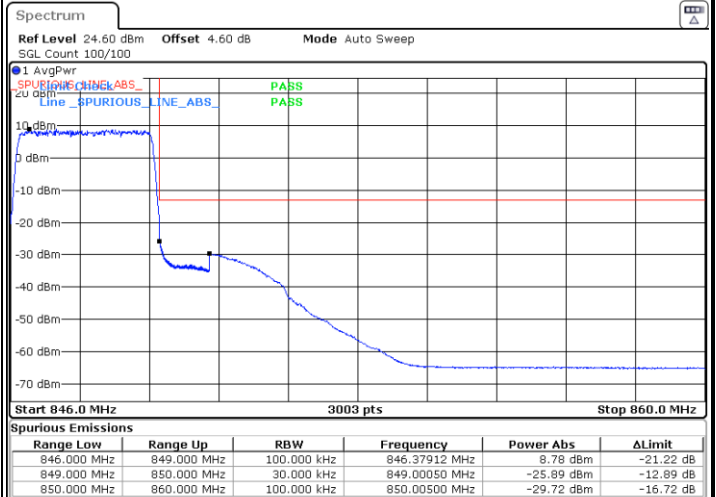
Date: 10.AUG.2023 16:58:38

Lowest Band Edge / Full RB



Date: 10.AUG.2023 16:49:04

Highest Band Edge / Full RB



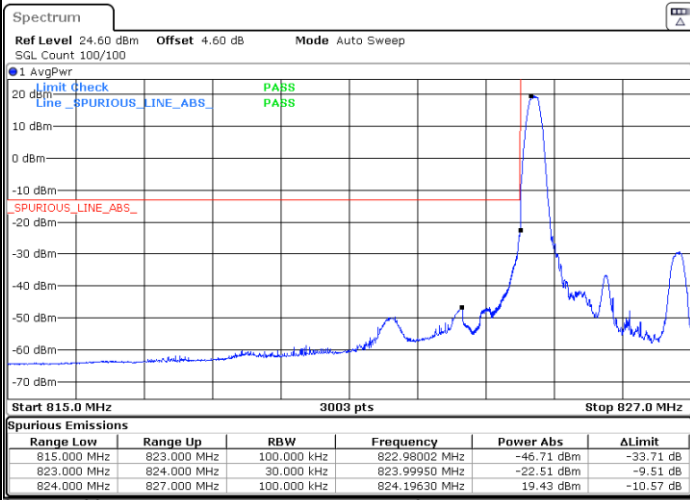
Date: 10.AUG.2023 17:05:59



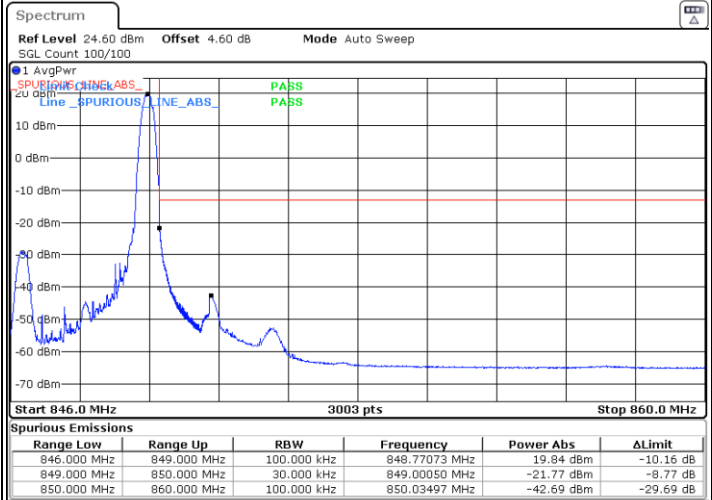
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



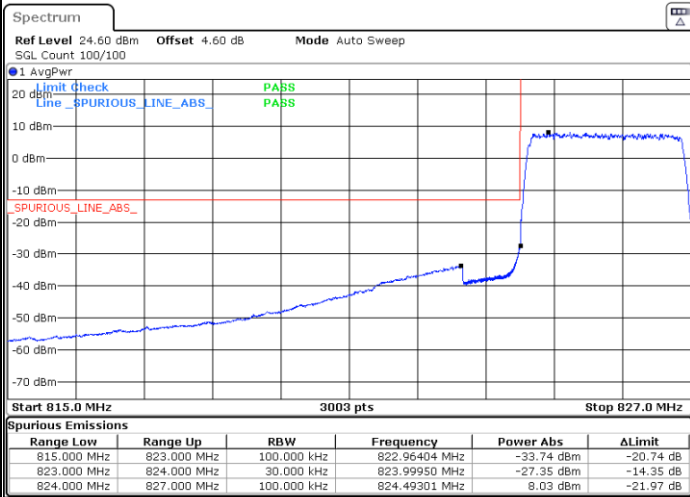
Date: 10.AUG.2023 16:43:33



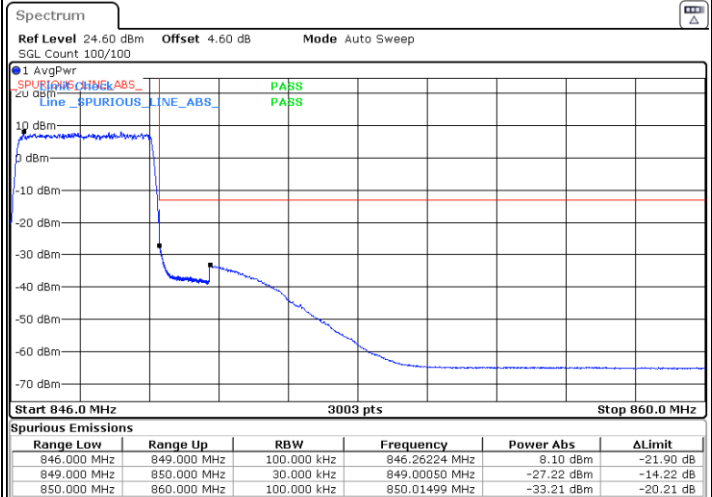
Date: 10.AUG.2023 17:00:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.AUG.2023 16:50:54

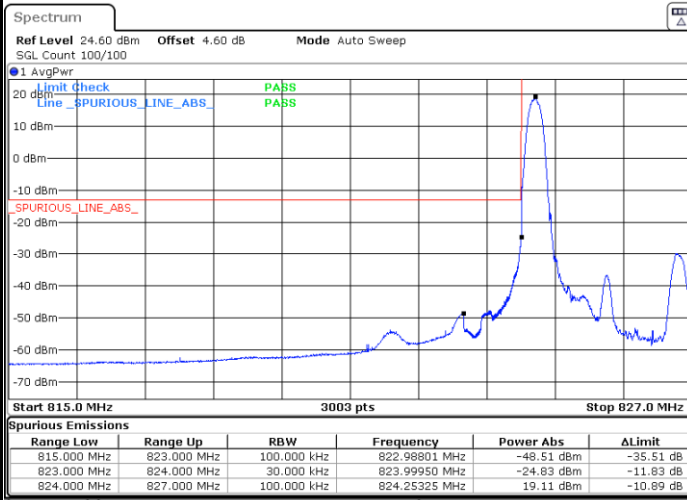


Date: 10.AUG.2023 17:08:56



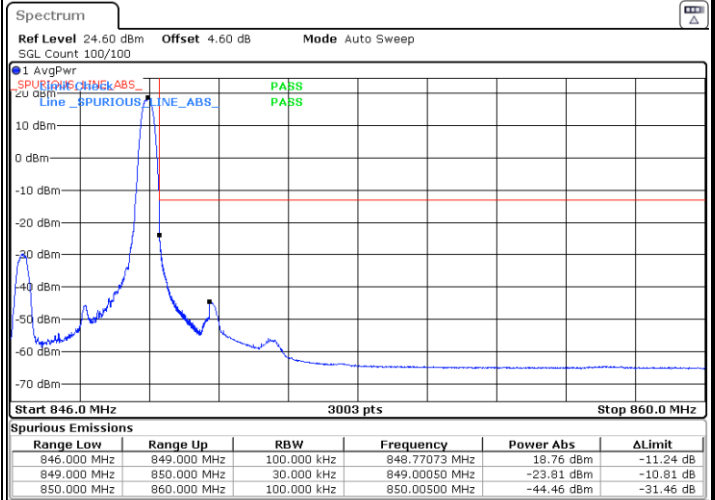
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



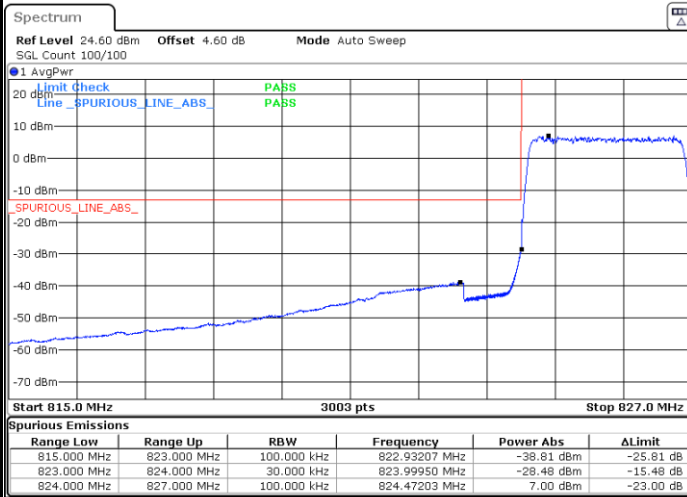
Date: 10.AUG.2023 16:45:24

Highest Band Edge / 1 RB



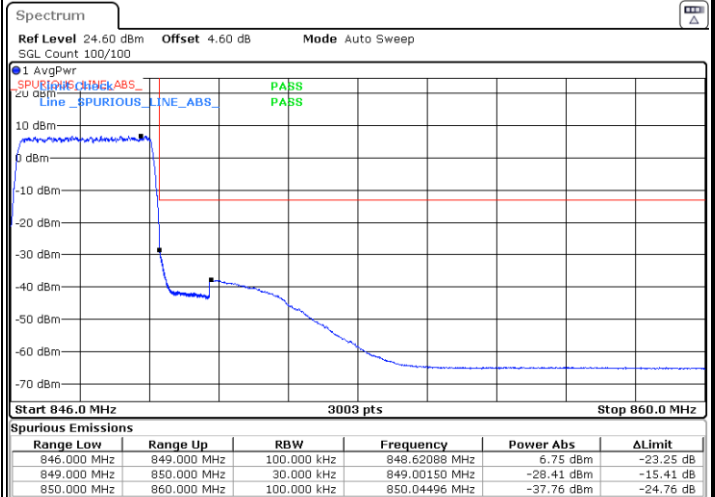
Date: 10.AUG.2023 17:02:17

Lowest Band Edge / Full RB



Date: 10.AUG.2023 16:52:43

Highest Band Edge / Full RB



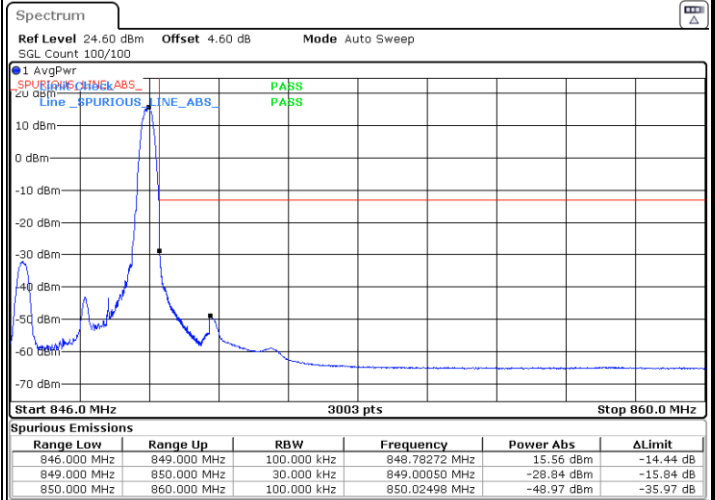
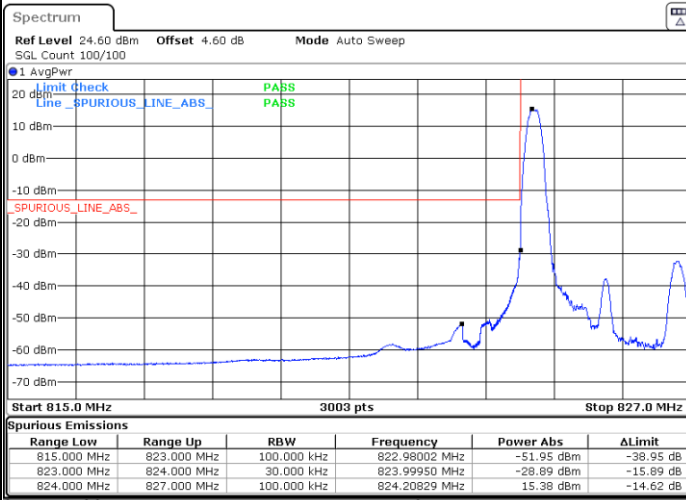
Date: 10.AUG.2023 17:10:05



LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

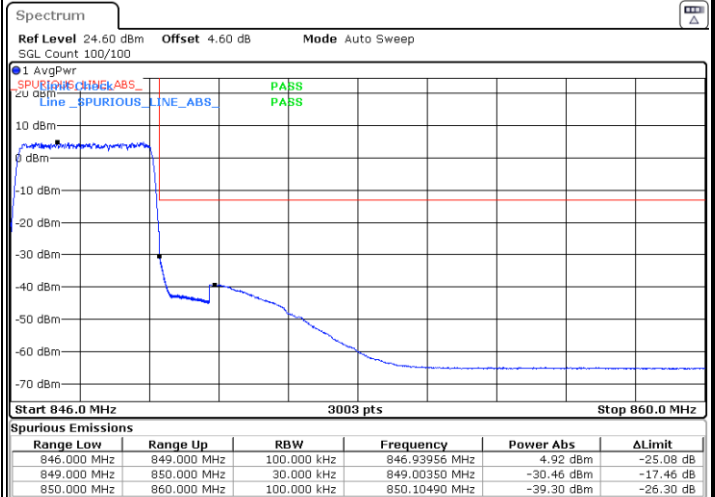
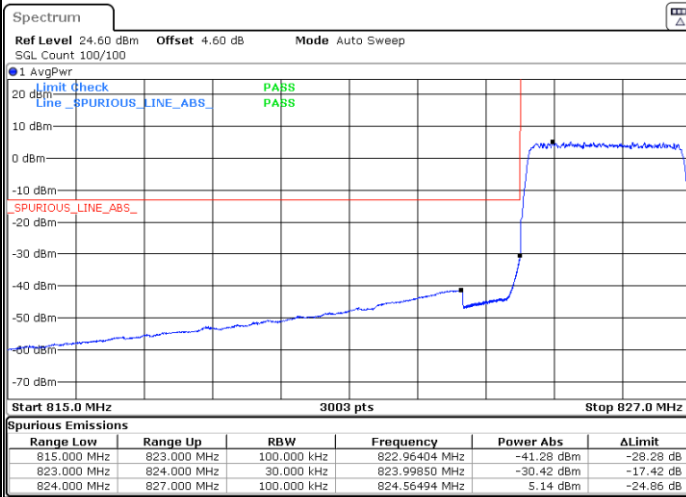


Date: 10.AUG.2023 16:47:14

Date: 10.AUG.2023 17:04:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



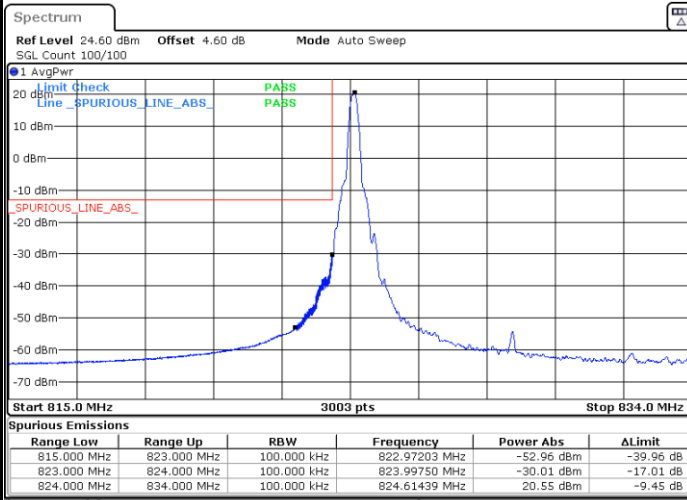
Date: 10.AUG.2023 16:54:33

Date: 10.AUG.2023 17:11:14



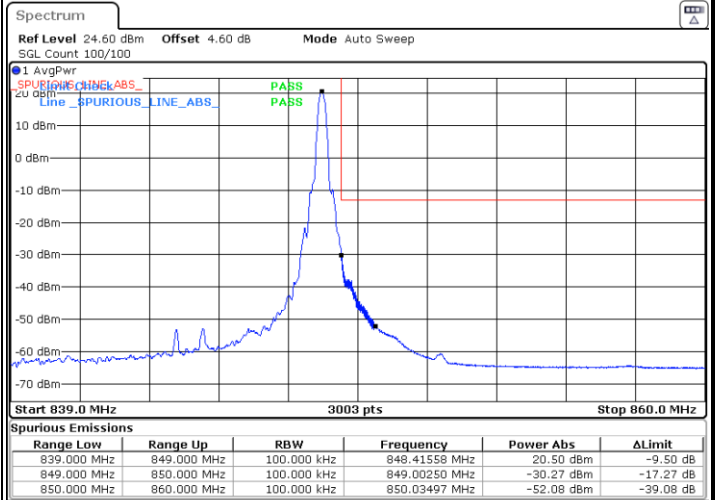
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



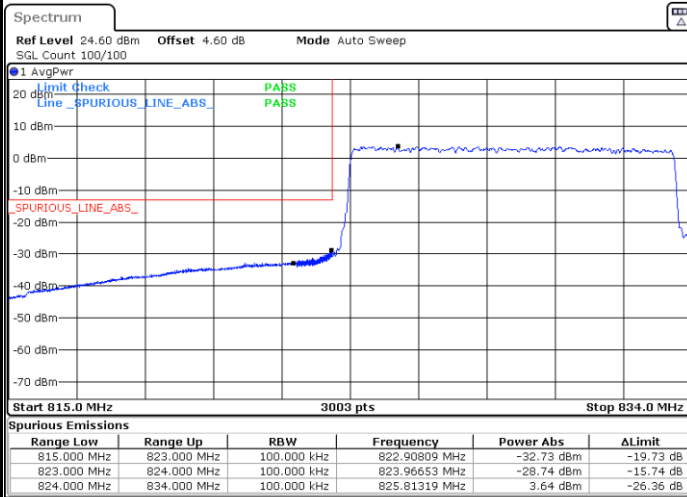
Date: 10.AUG.2023 17:23:38

Highest Band Edge / 1 RB



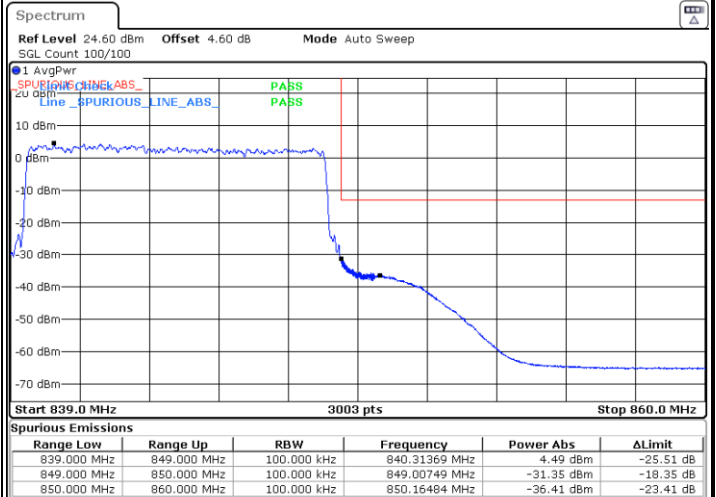
Date: 10.AUG.2023 17:37:24

Lowest Band Edge / Full RB



Date: 10.AUG.2023 17:27:57

Highest Band Edge / Full RB

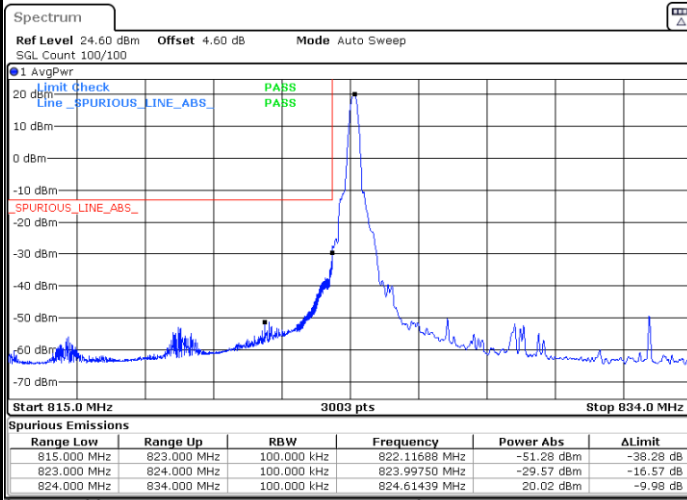


Date: 10.AUG.2023 17:44:45



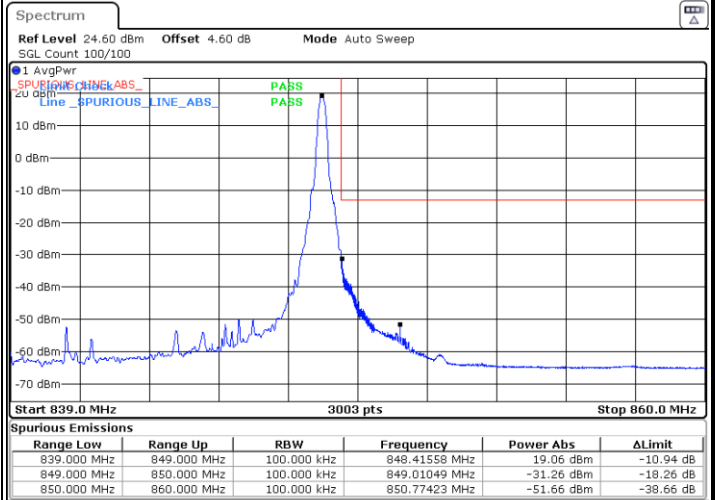
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



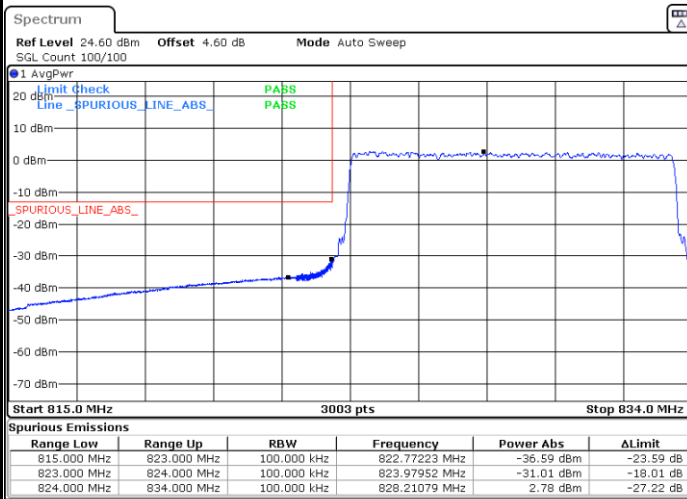
Date: 10.AUG.2023 17:25:17

Highest Band Edge / 1 RB



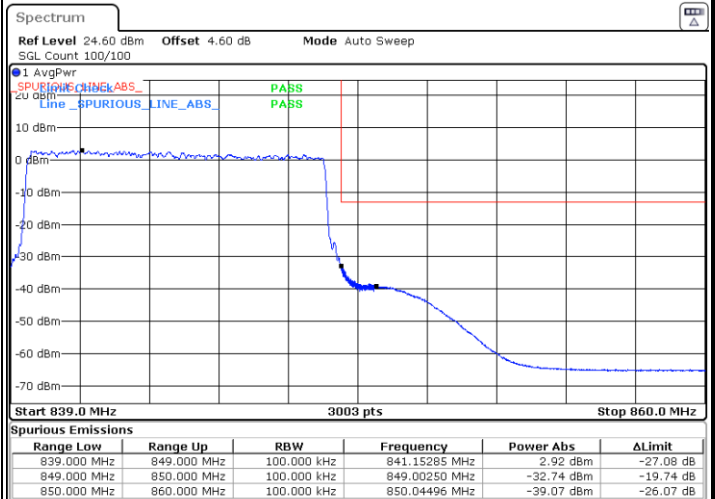
Date: 10.AUG.2023 17:39:13

Lowest Band Edge / Full RB



Date: 10.AUG.2023 17:28:40

Highest Band Edge / Full RB

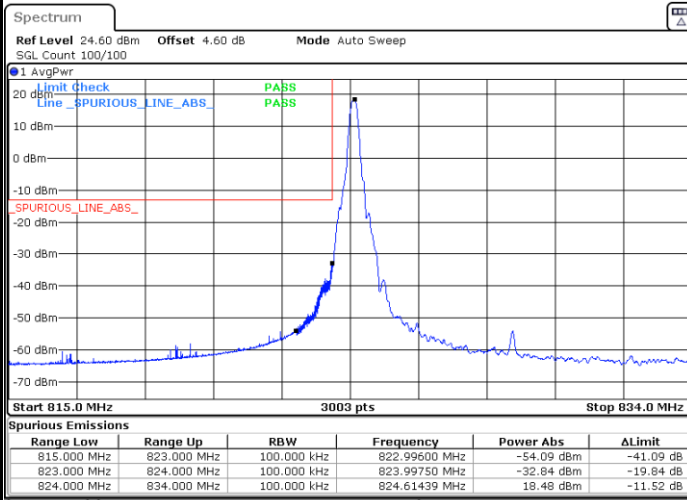


Date: 10.AUG.2023 17:46:35



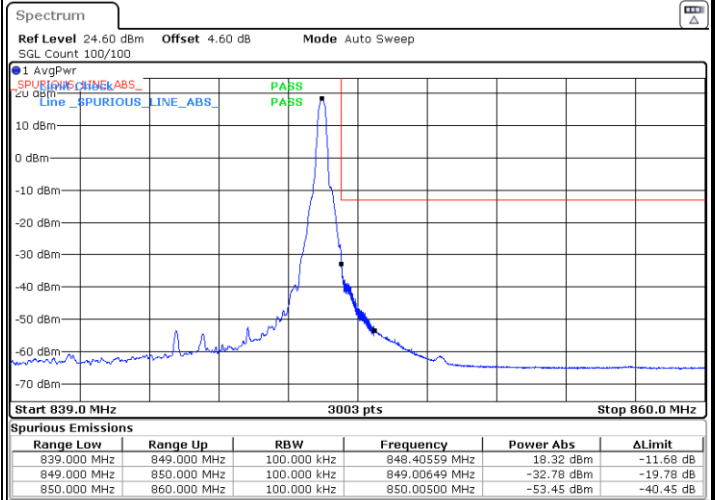
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



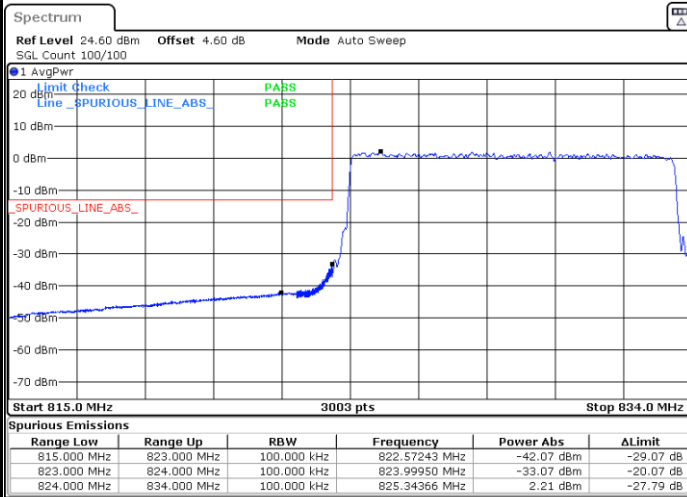
Date: 10.AUG.2023 17:26:07

Highest Band Edge / 1 RB



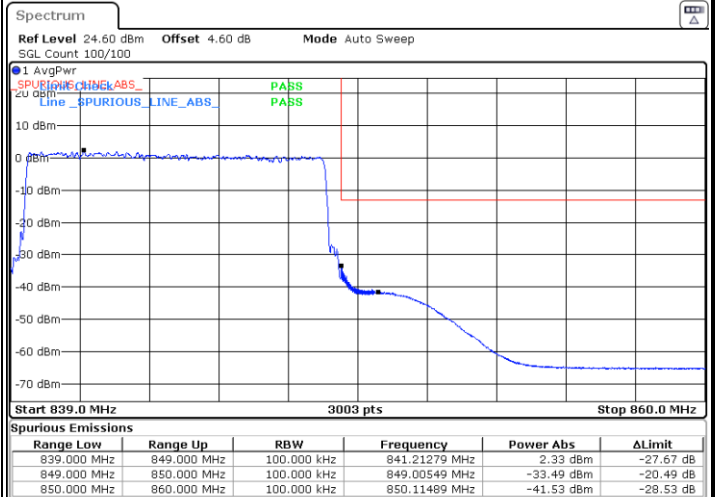
Date: 10.AUG.2023 17:41:03

Lowest Band Edge / Full RB



Date: 10.AUG.2023 17:29:22

Highest Band Edge / Full RB



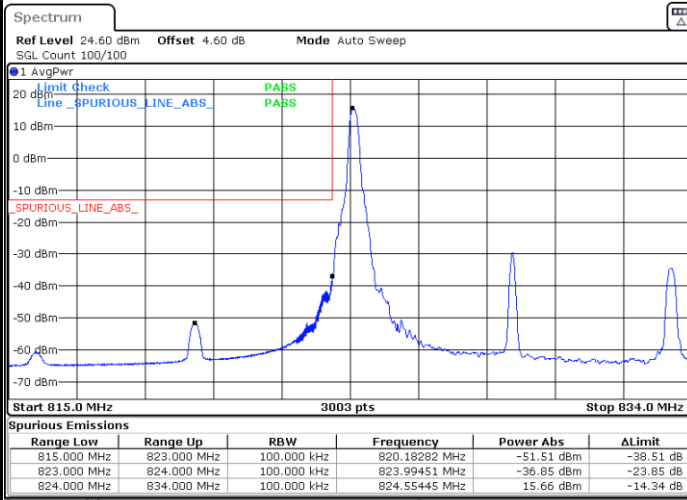
Date: 10.AUG.2023 17:48:25





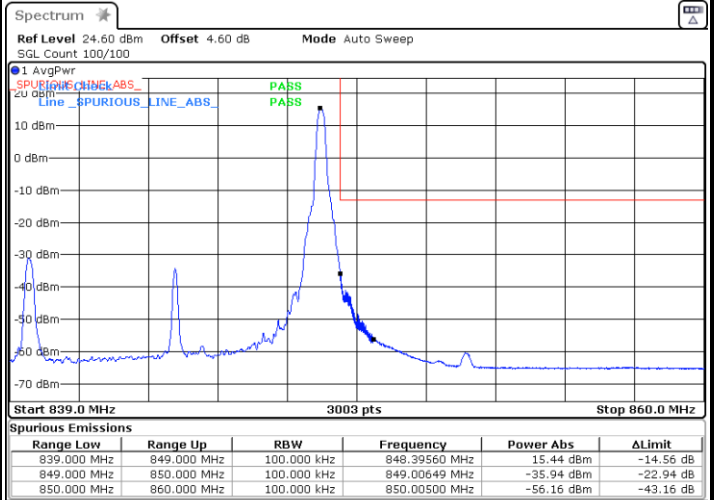
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



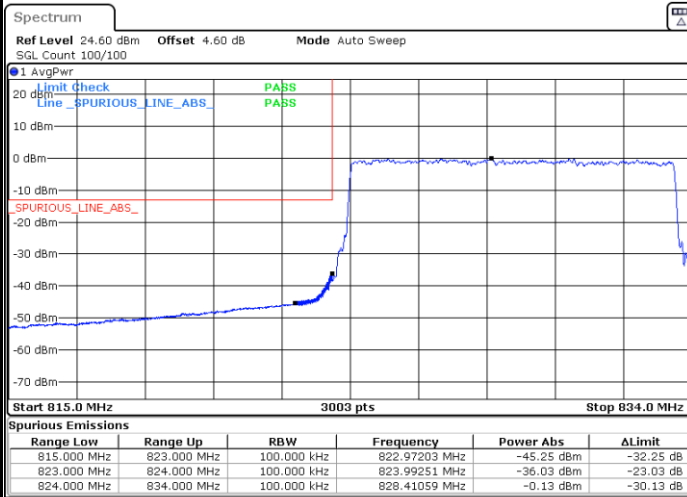
Date: 10.AUG.2023 17:26:54

Highest Band Edge / 1 RB



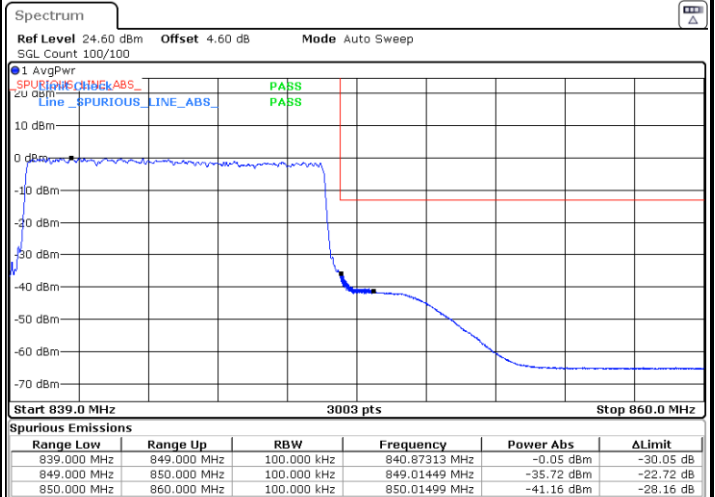
Date: 10.AUG.2023 17:56:44

Lowest Band Edge / Full RB



Date: 10.AUG.2023 17:30:35

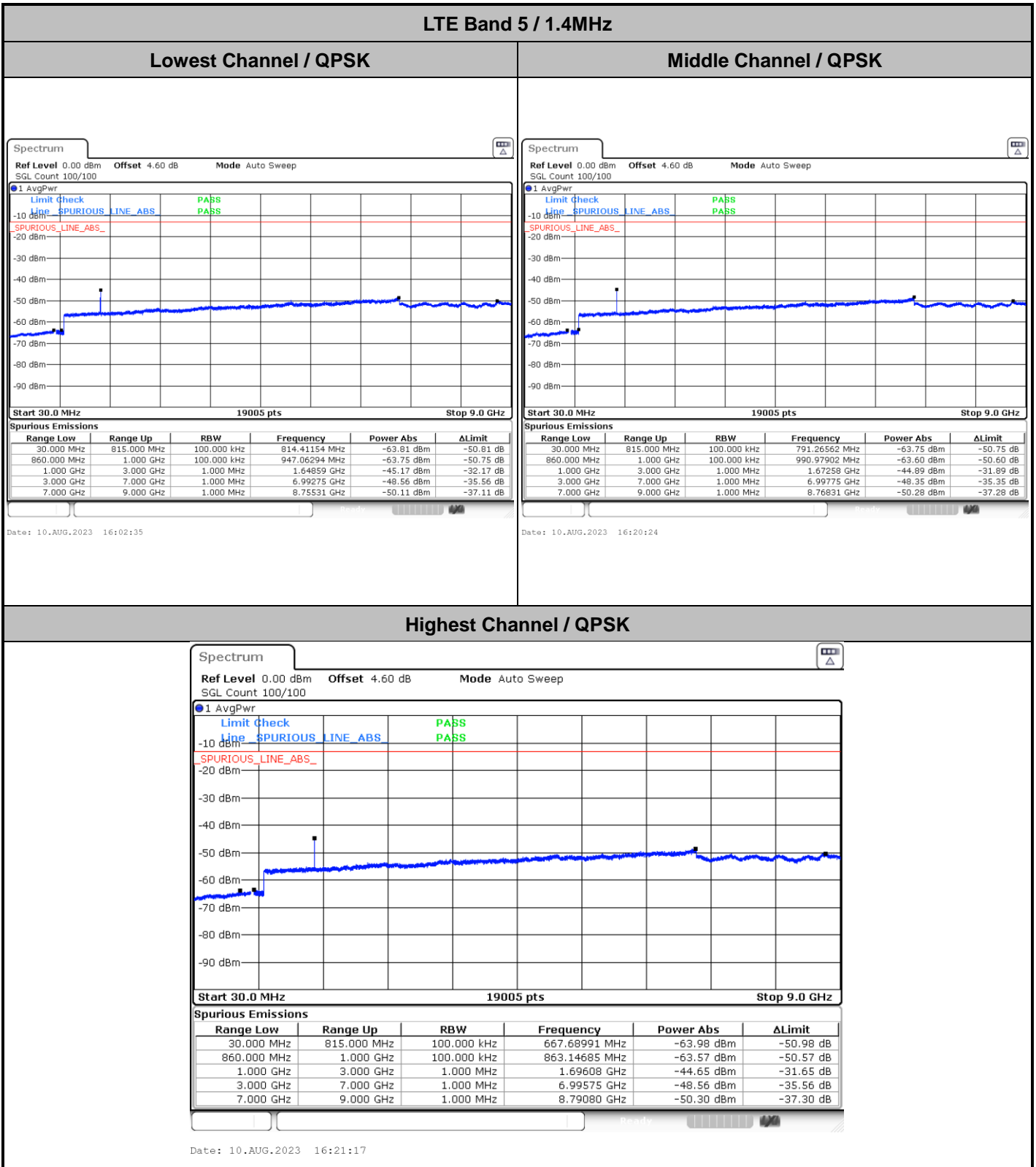
Highest Band Edge / Full RB



Date: 10.AUG.2023 17:50:14



# Conducted Spurious Emission

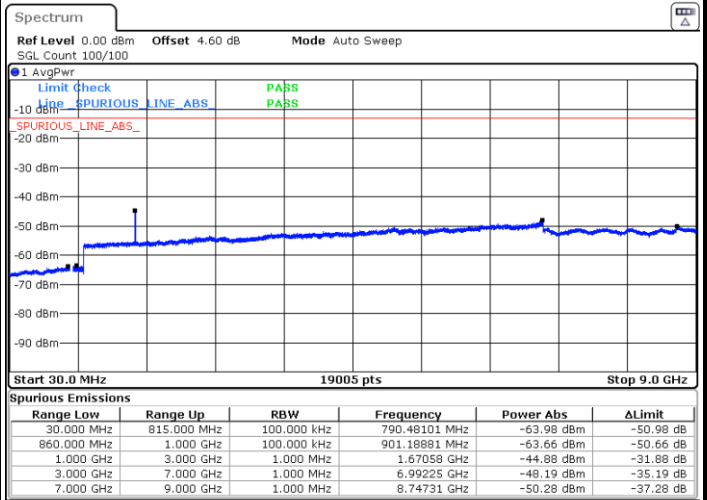
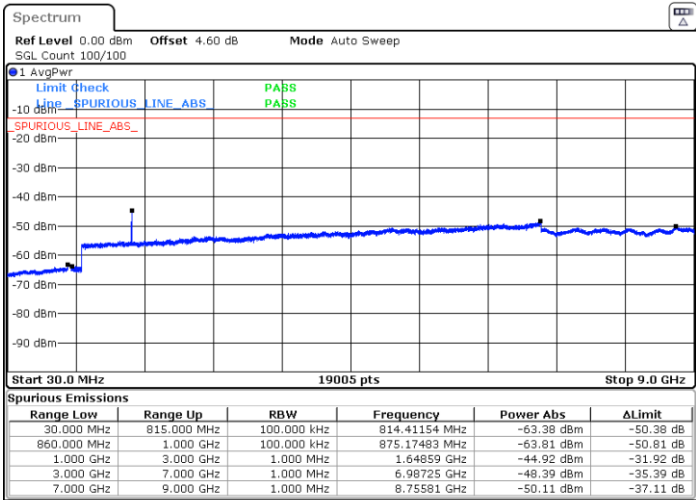




LTE Band 5 / 3MHz

Lowest Channel / QPSK

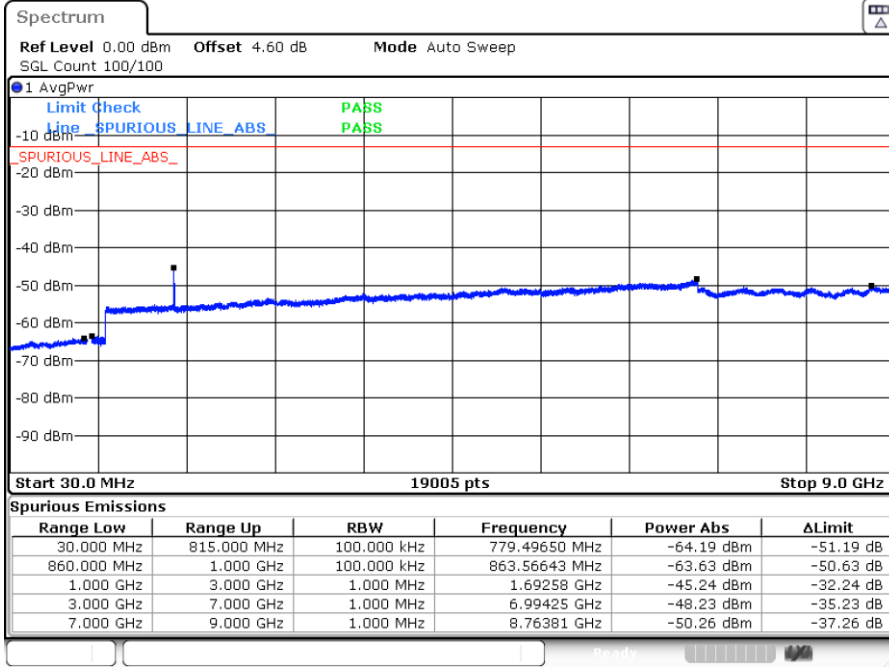
Middle Channel / QPSK



Date: 10.AUG.2023 16:39:54

Date: 10.AUG.2023 16:55:56

Highest Channel / QPSK



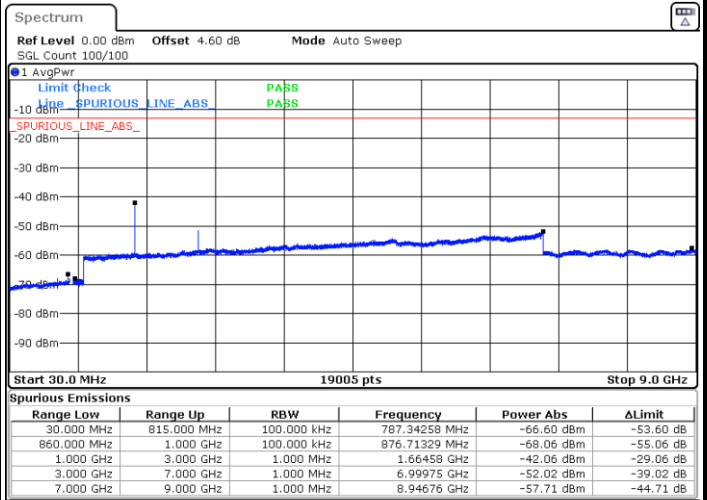
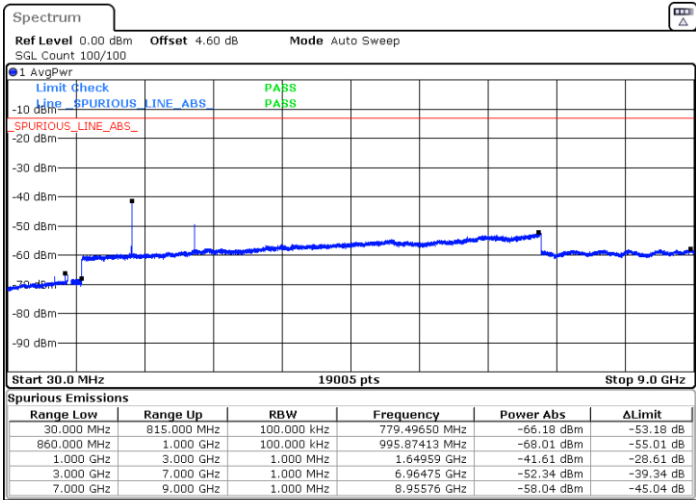
Date: 10.AUG.2023 16:56:48



LTE Band 5 / 10MHz

Lowest Channel / QPSK

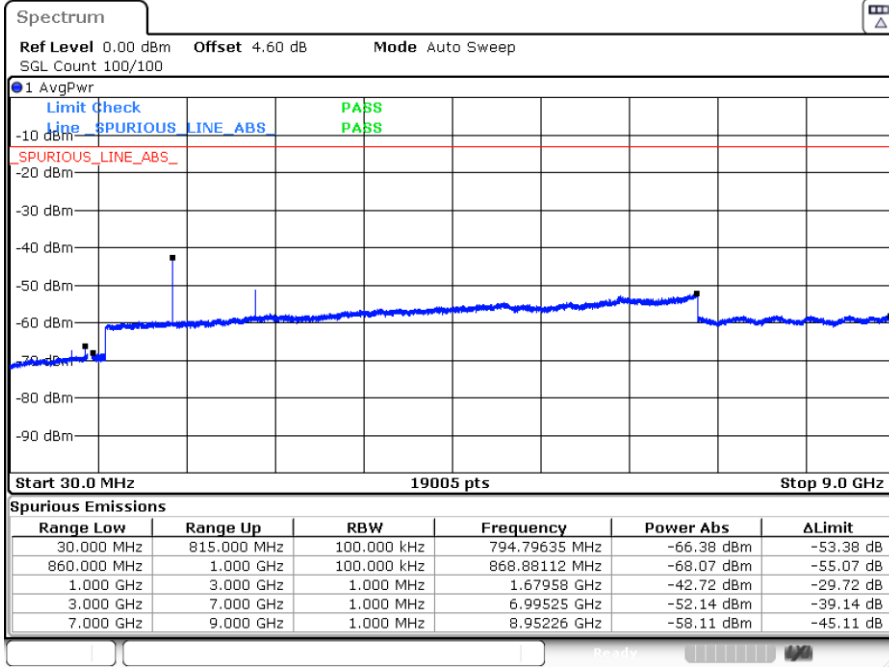
Middle Channel / QPSK



Date: 10.AUG.2023 17:21:48

Date: 10.AUG.2023 17:32:33

Highest Channel / QPSK



Date: 10.AUG.2023 17:35:09



### 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	0.0013	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0028	

**Note:**

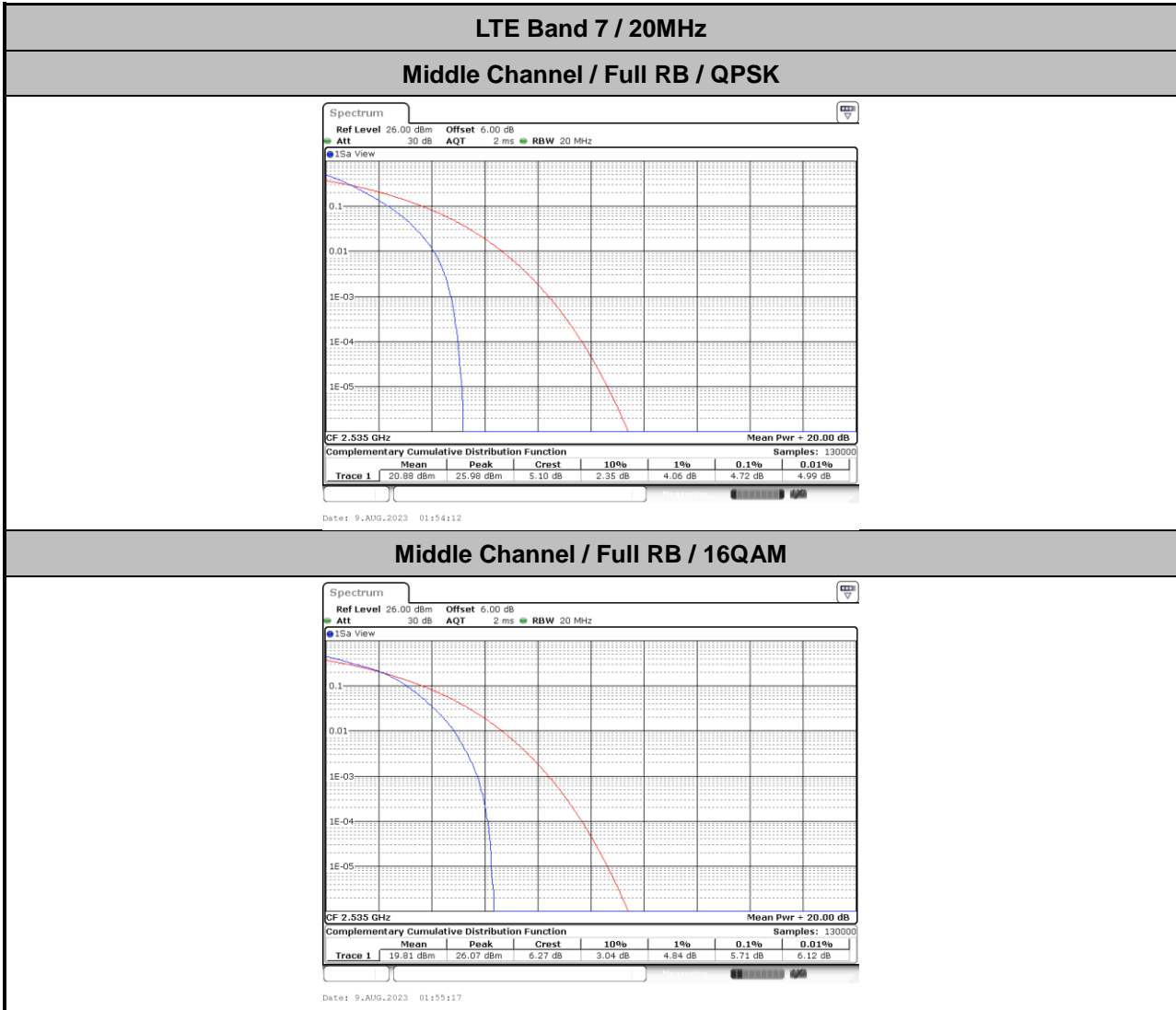
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7

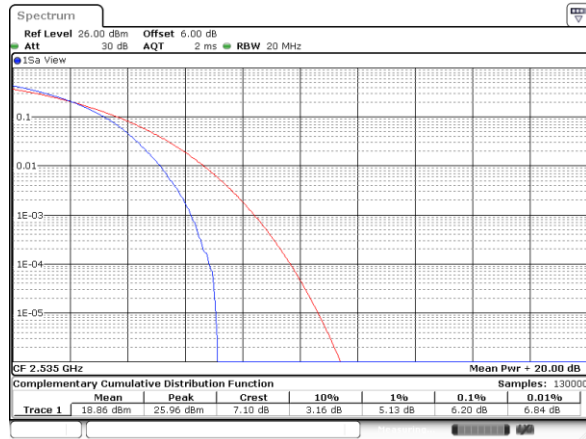
## Peak-to-Average Ratio

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	4.72	5.71	6.2	6.72	PASS



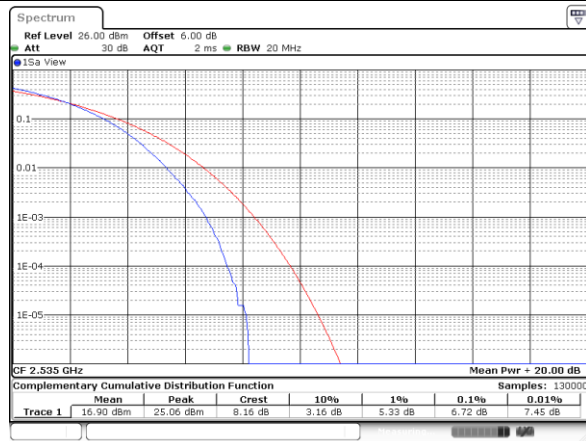


Middle Channel / Full RB / 64QAM



Date: 9\_AUG.2023 01:55:39

Middle Channel / Full RB / 256QAM

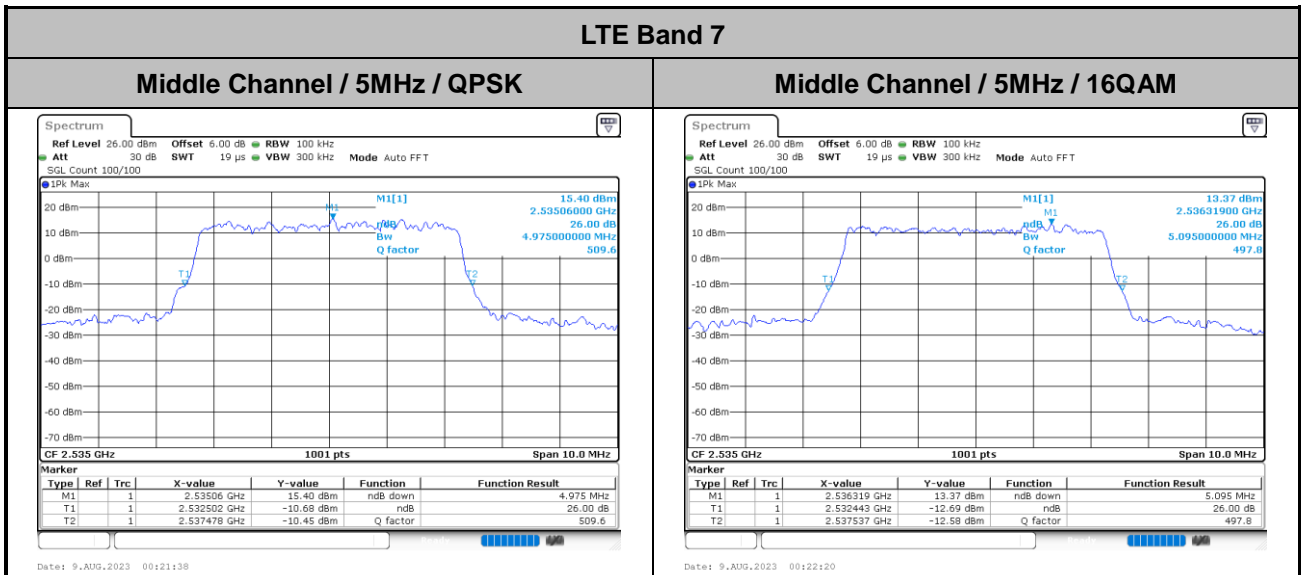


Date: 9\_AUG.2023 01:56:02



## 26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.98	5.10
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.23	10.19
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.66	14.36
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.14	19.58

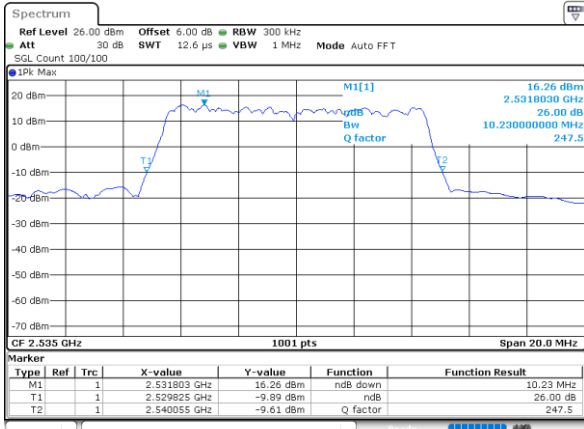






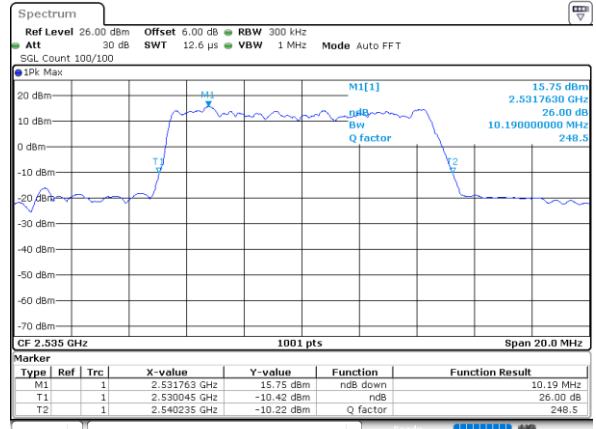
LTE Band 7

Middle Channel / 10MHz / QPSK



Date: 9.AUG.2023 01:00:16

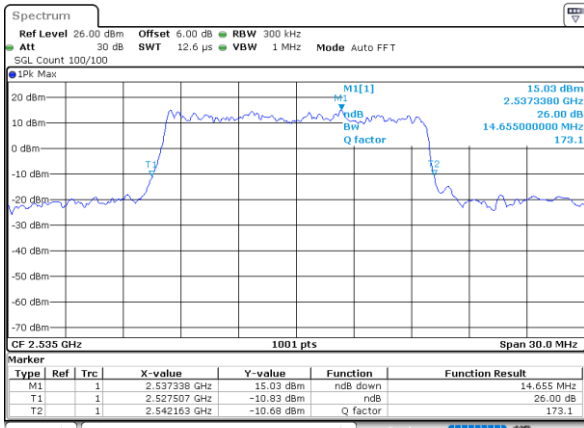
Middle Channel / 10MHz / 16QAM



Date: 9.AUG.2023 01:00:59

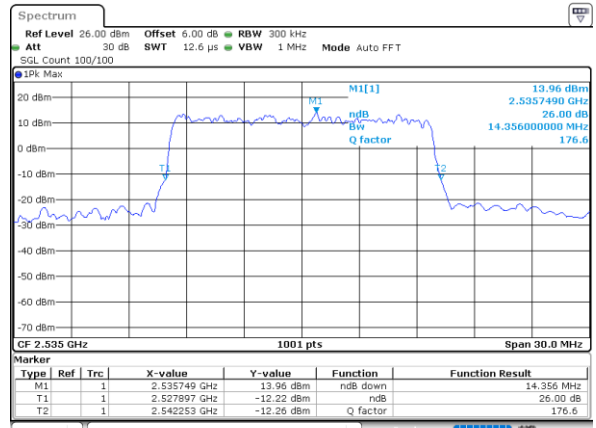
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 9.AUG.2023 01:18:02

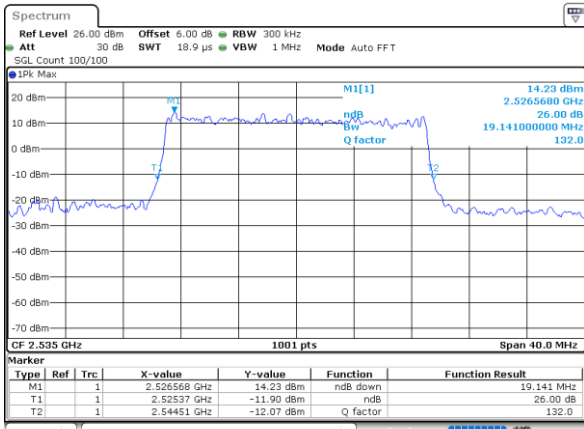
Middle Channel / 15MHz / 16QAM



Date: 9.AUG.2023 01:18:44

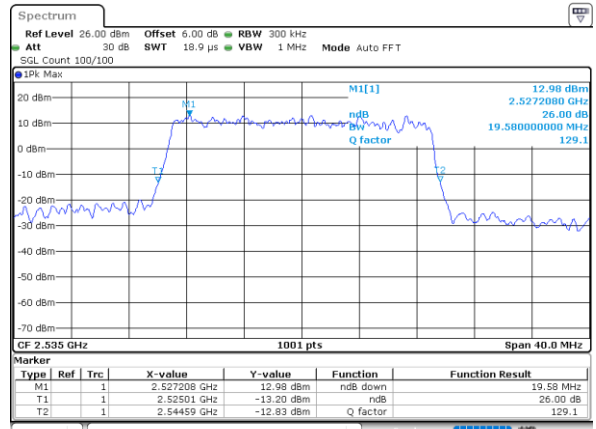
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 9.AUG.2023 01:53:50

Middle Channel / 20MHz / 16QAM

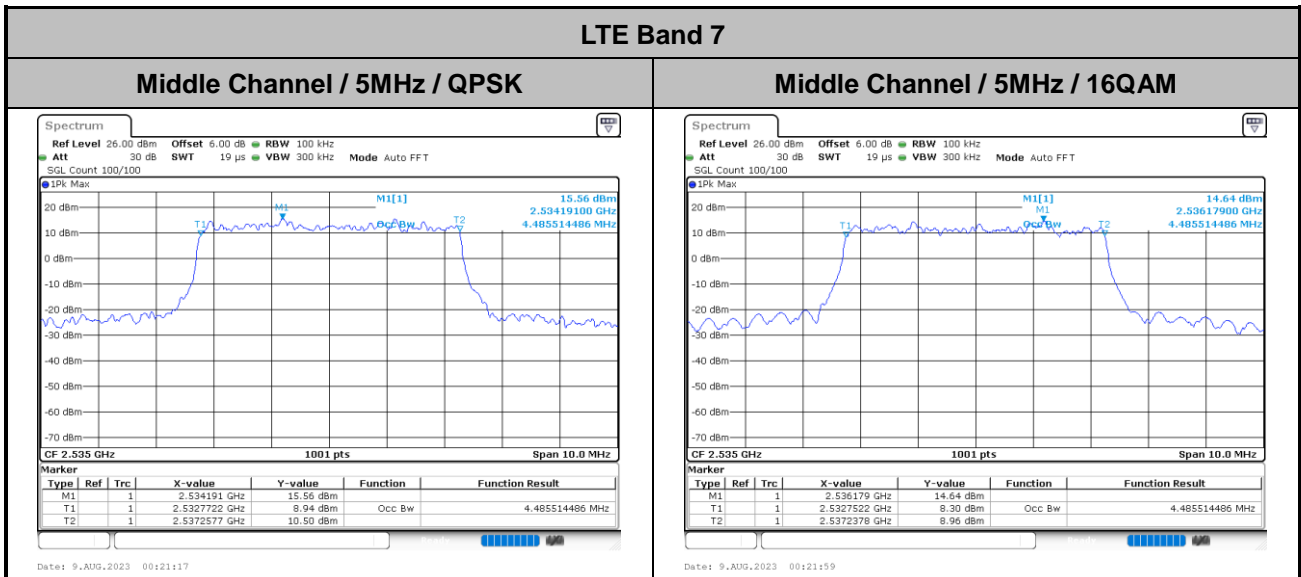


Date: 9.AUG.2023 01:54:55



## Occupied Bandwidth

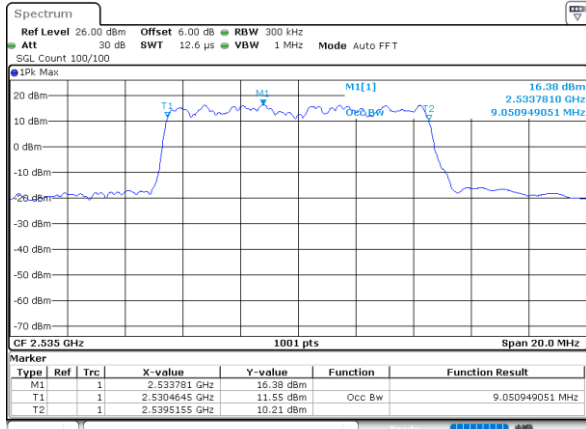
Mode	LTE Band 7 : 99%OBW(MHz)	
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.49	4.49
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.05	9.07
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	13.52	13.49
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	18.02	17.94





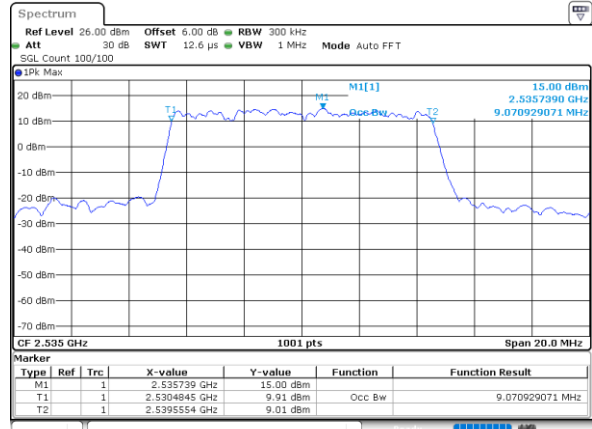
LTE Band 7

Middle Channel / 10MHz / QPSK



Date: 9.AUG.2023 00:59:55

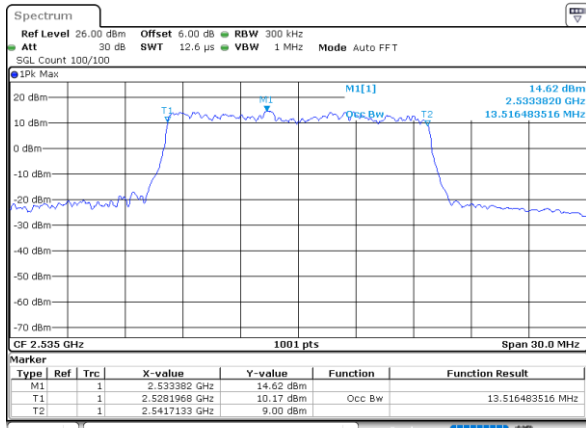
Middle Channel / 10MHz / 16QAM



Date: 9.AUG.2023 01:00:38

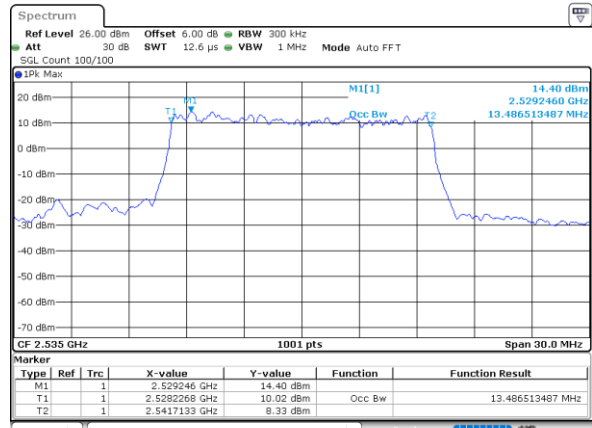
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 9.AUG.2023 01:17:41

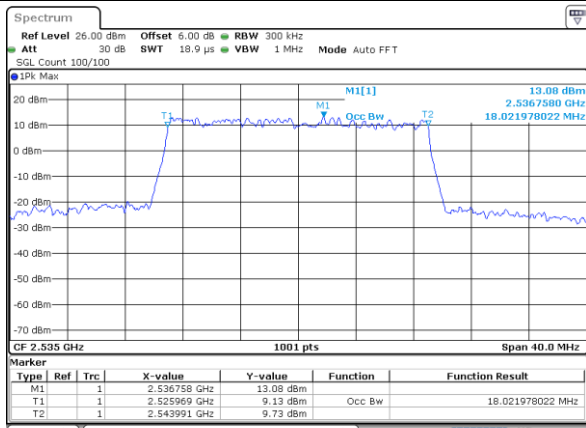
Middle Channel / 15MHz / 16QAM



Date: 9.AUG.2023 01:18:23

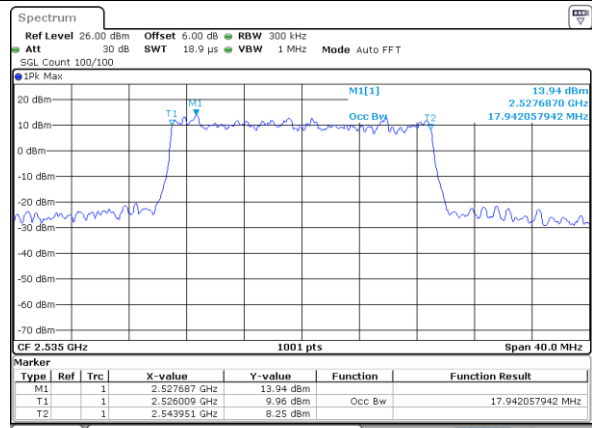
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 9.AUG.2023 01:53:29

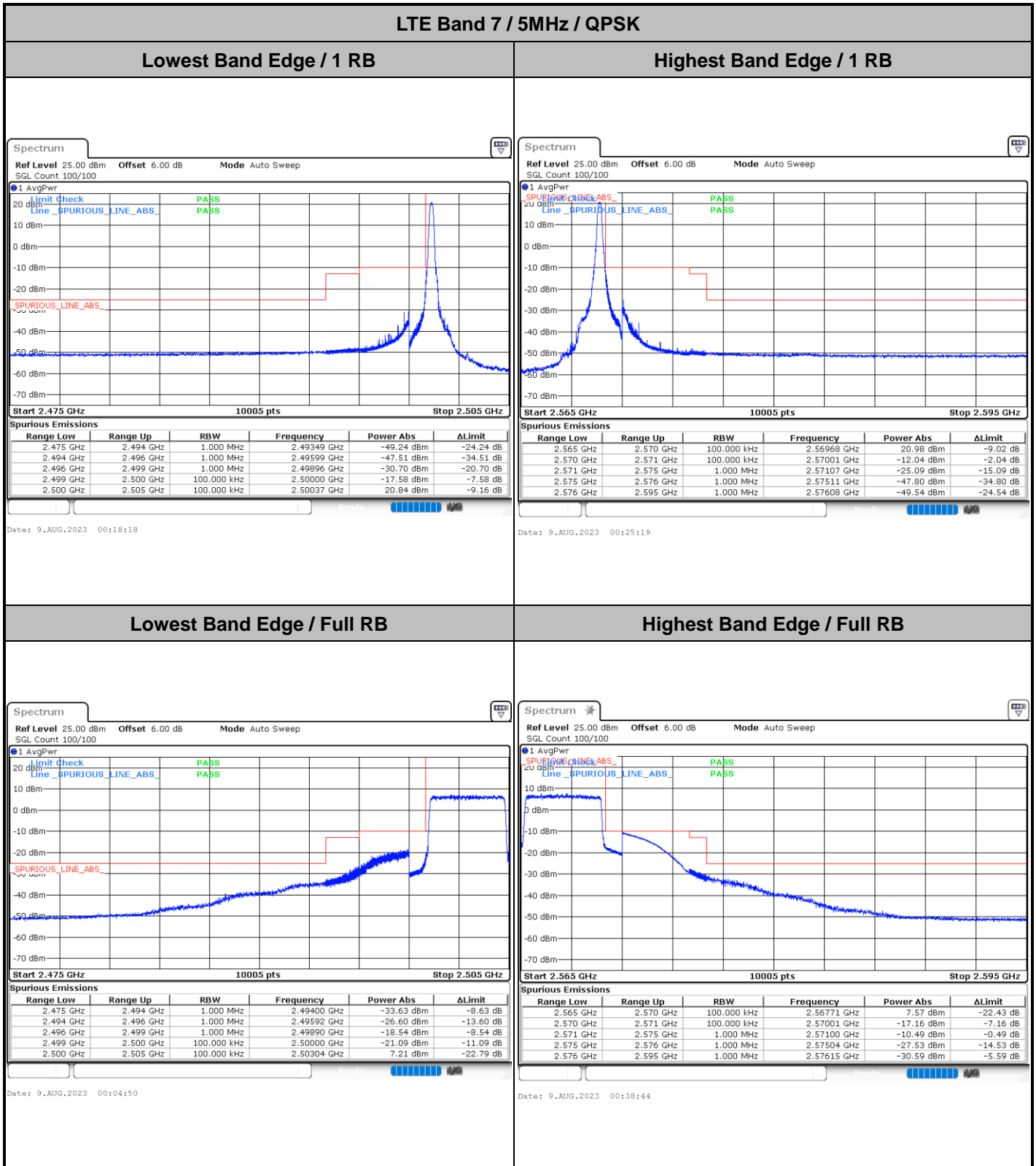
Middle Channel / 20MHz / 16QAM



Date: 9.AUG.2023 01:54:34

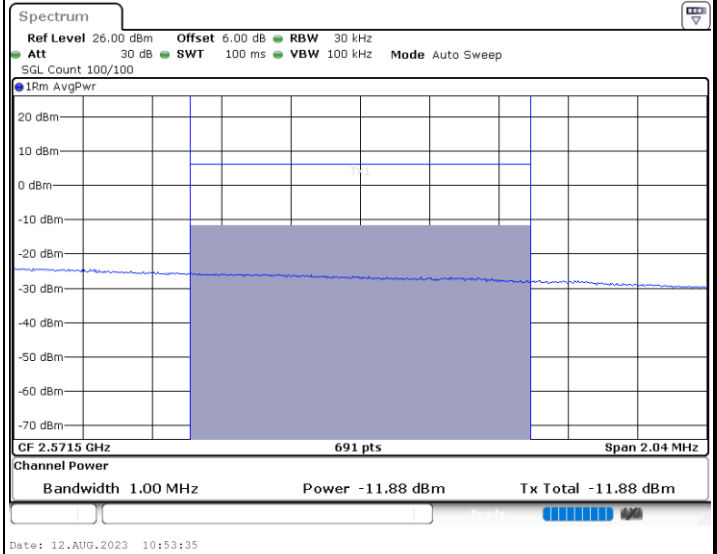


# Conducted Band Edge





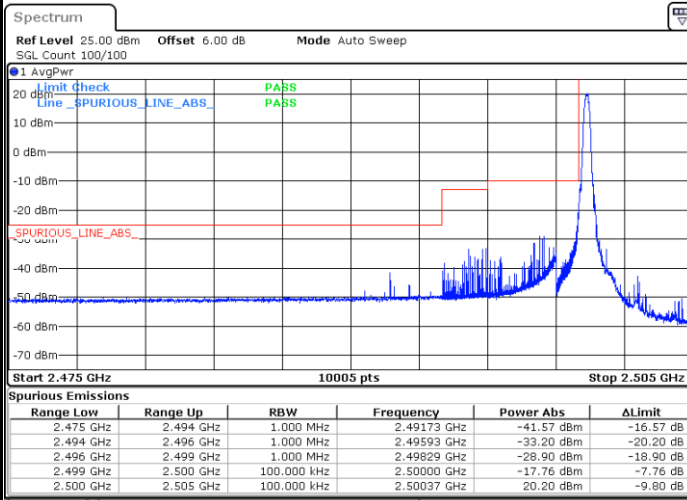
NA





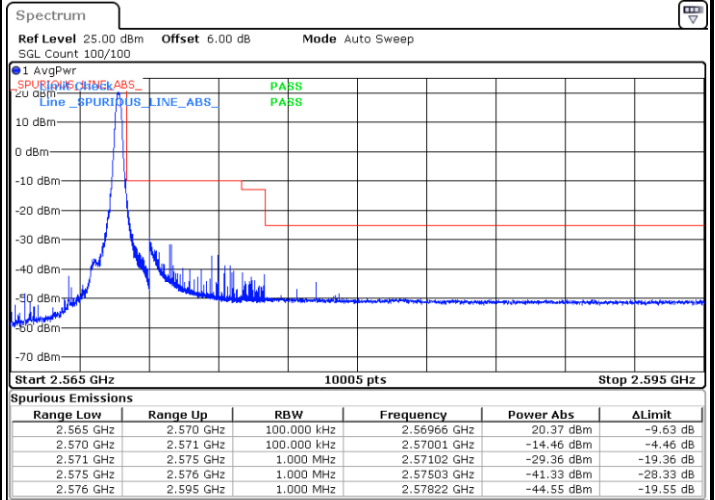
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



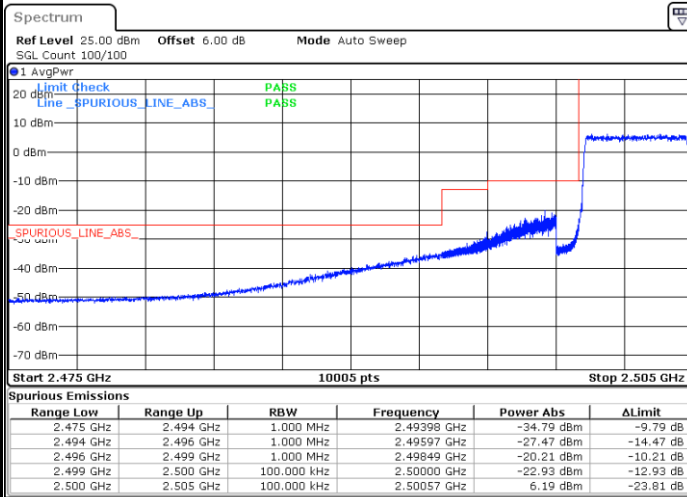
Date: 9.AUG.2023 00:13:14

Highest Band Edge / 1 RB



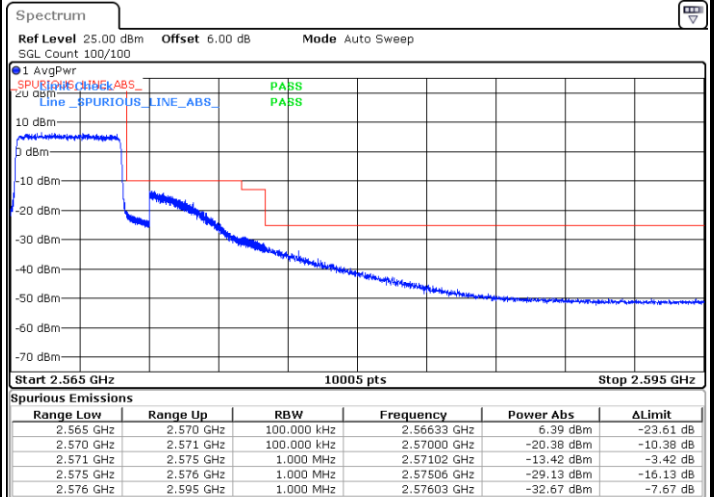
Date: 9.AUG.2023 00:26:59

Lowest Band Edge / Full RB



Date: 9.AUG.2023 00:06:30

Highest Band Edge / Full RB



Date: 9.AUG.2023 00:33:41