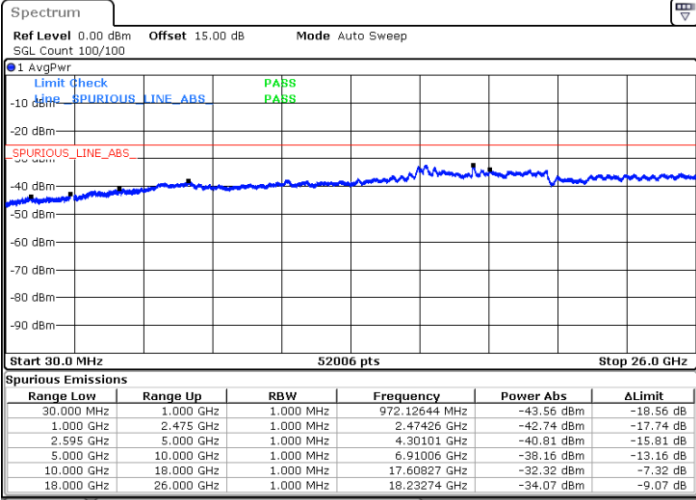




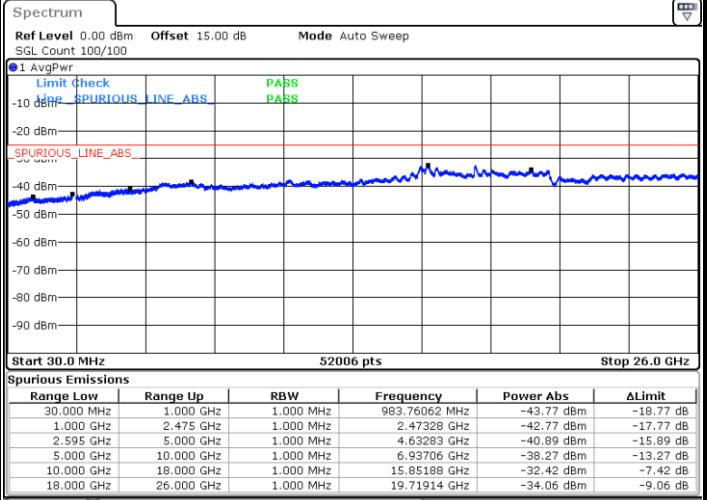
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

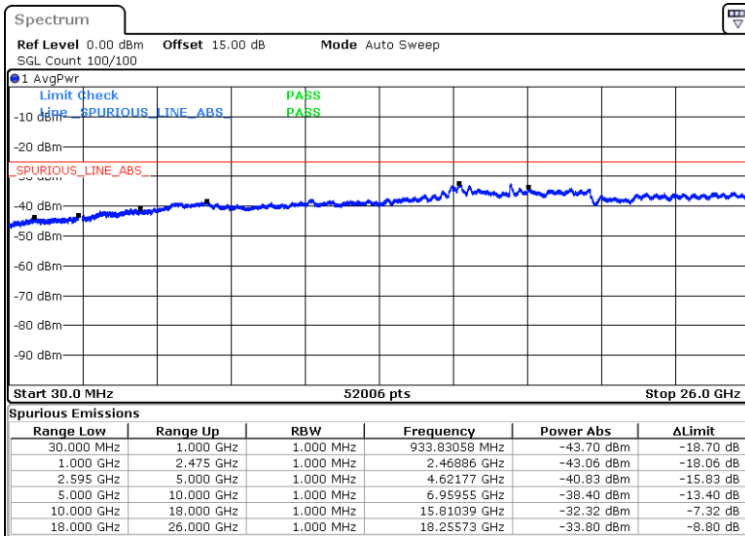


Date: 6.AUG.2023 14:09:06



Date: 6.AUG.2023 14:10:10

Highest Channel / QPSK

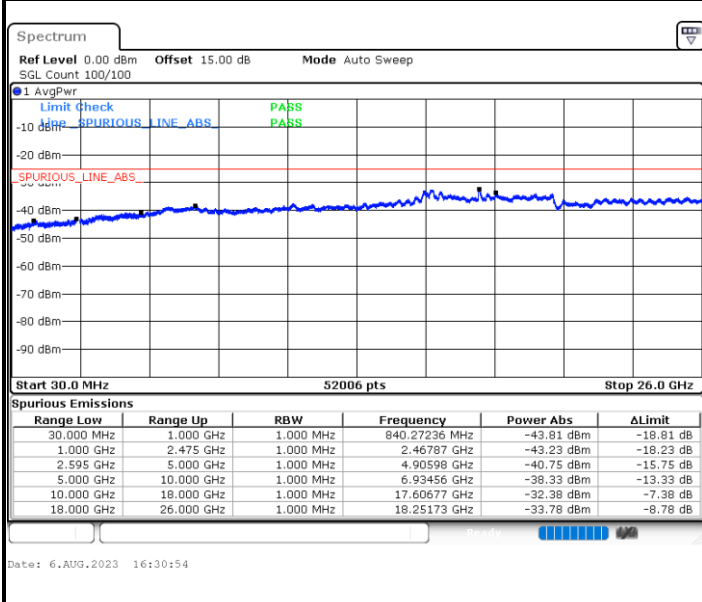


Date: 6.AUG.2023 15:35:01

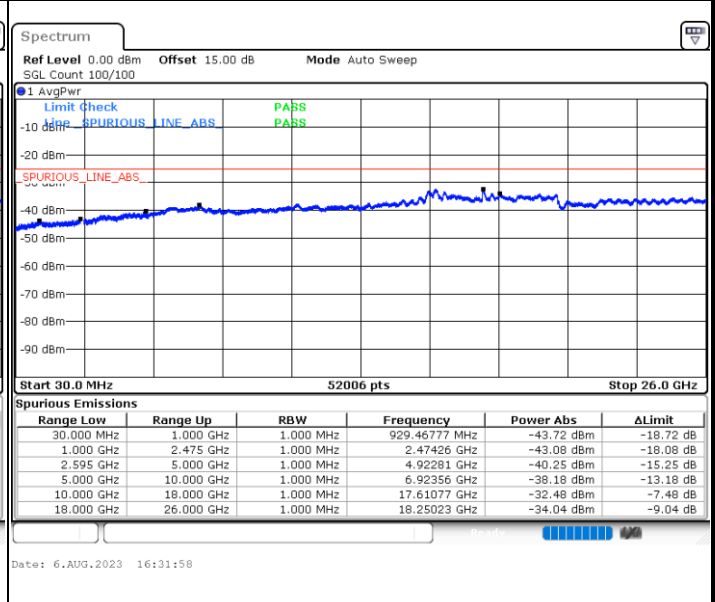


LTE Band 7 / 20MHz

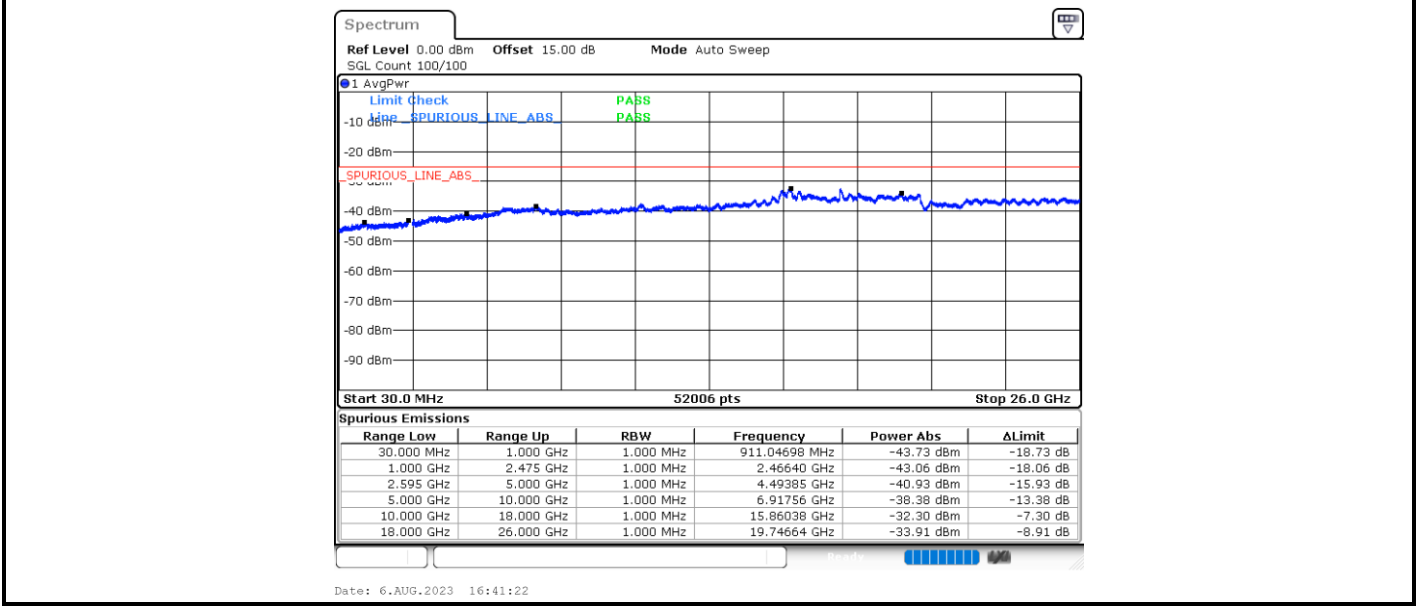
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

Note:

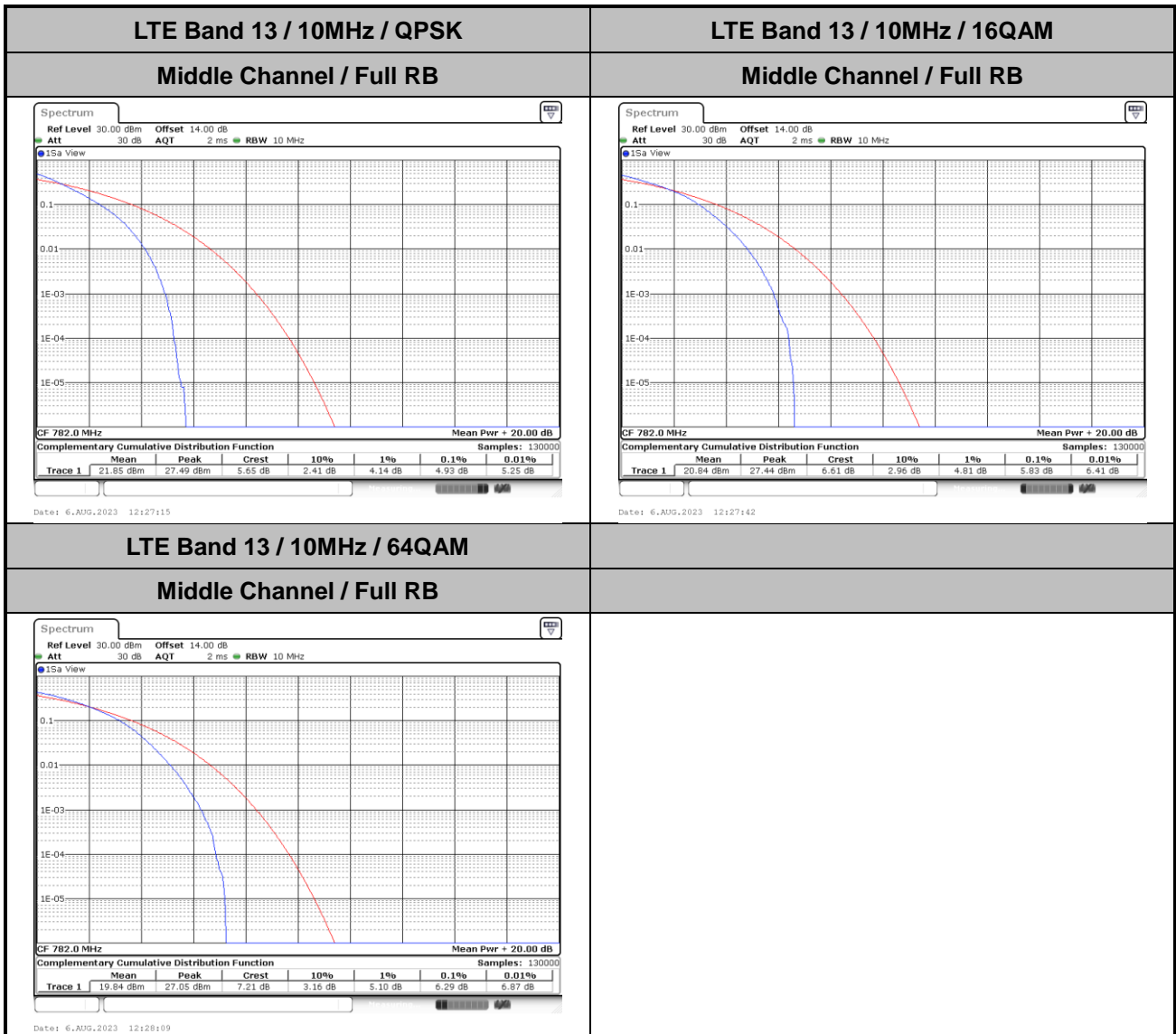
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

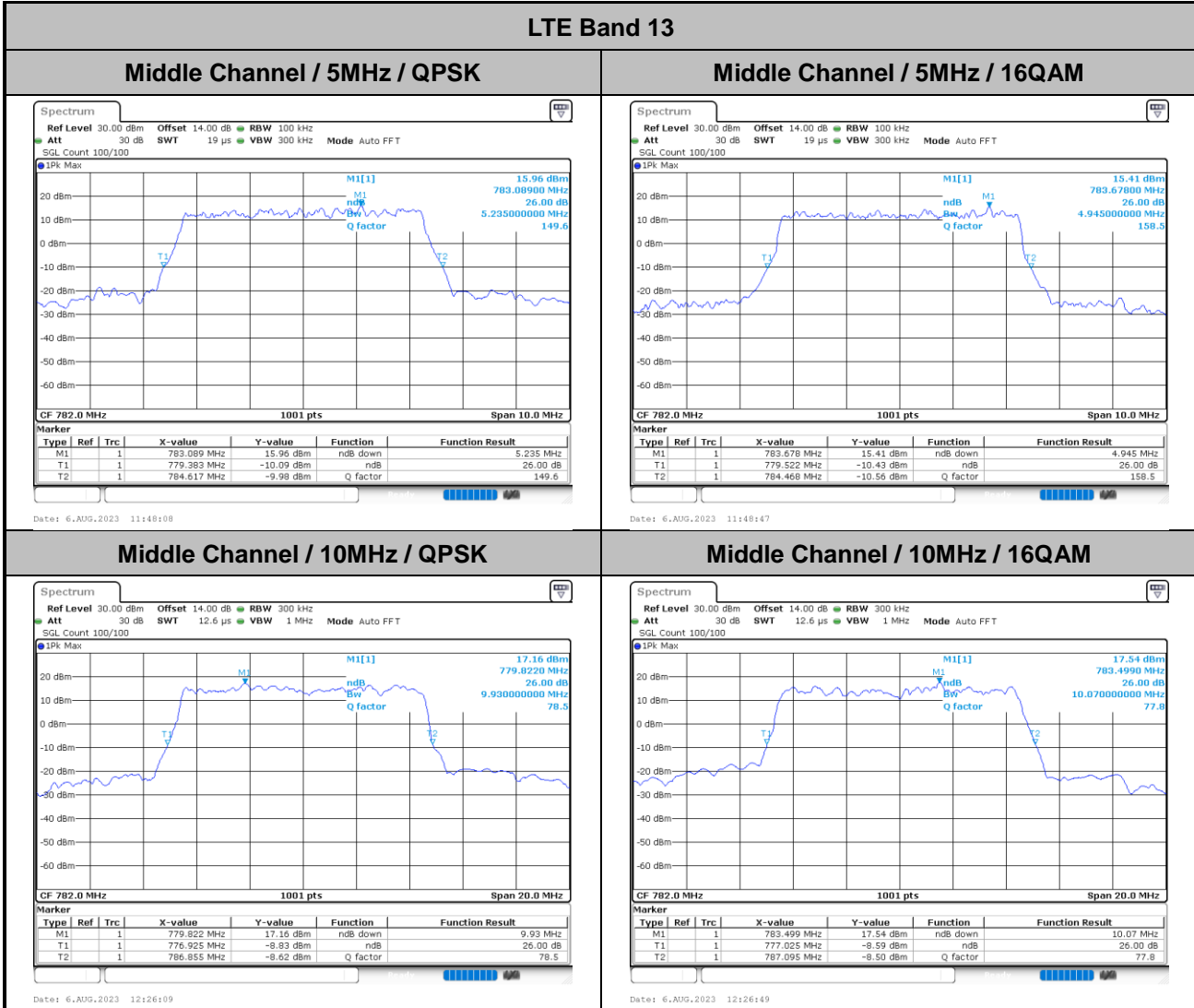
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.93	5.83	6.29	PASS





26dB Bandwidth

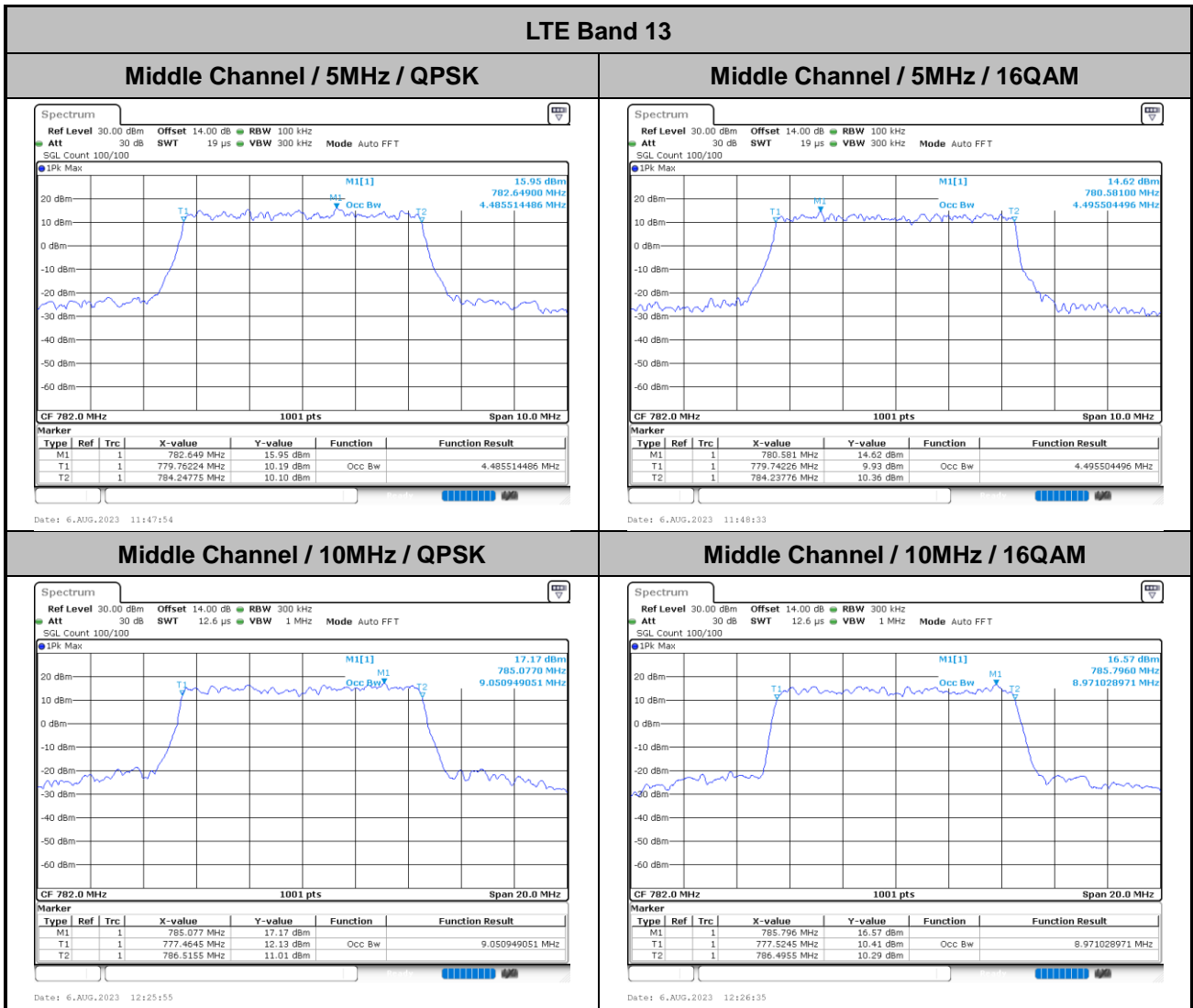
Mode	LTE Band 13 : 26dB BW(MHz)			
BW	5MHz		10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM
Middle CH	5.24	4.95	9.93	10.07





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)			
BW	5MHz		10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM
Middle CH	4.49	4.50	9.05	8.97



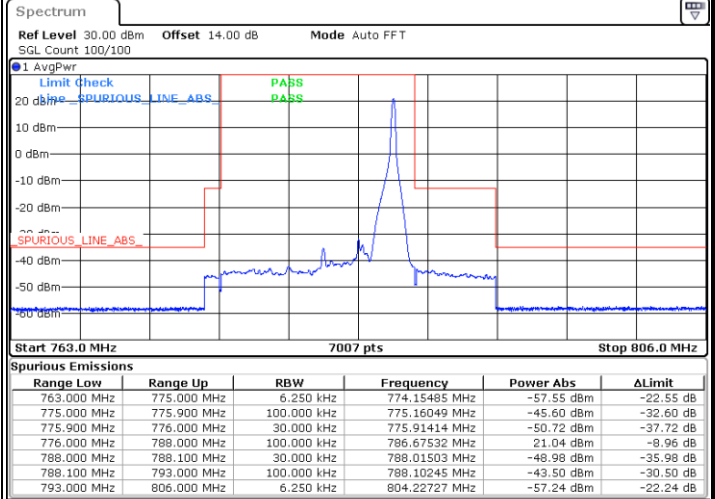
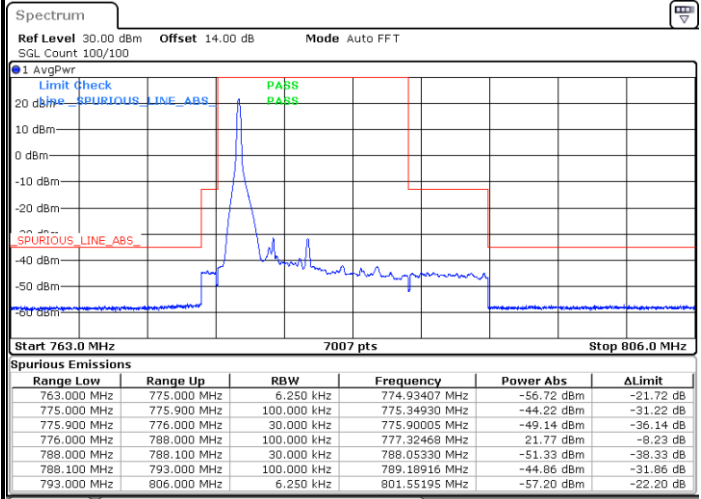


Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

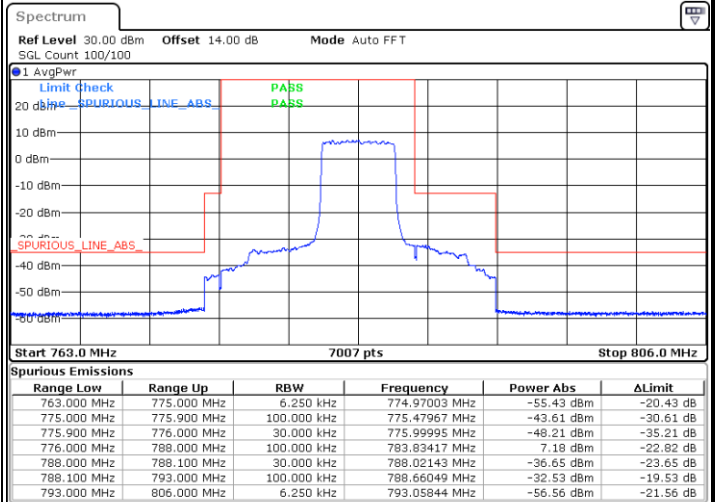
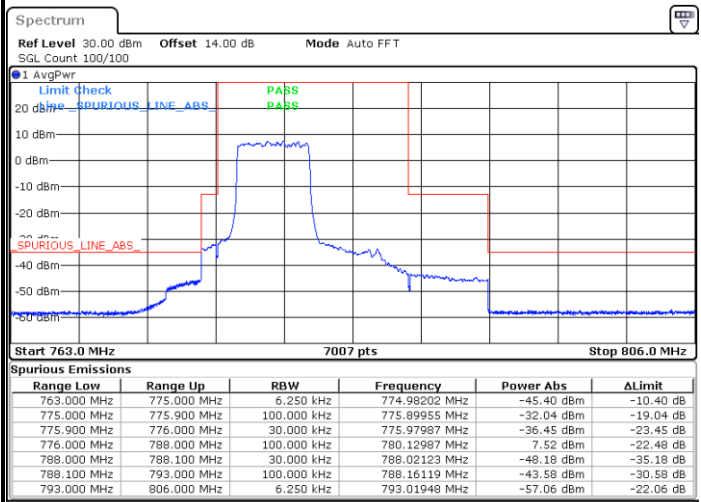


Date: 6.AUG.2023 11:40:38

Date: 6.AUG.2023 11:49:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6.AUG.2023 11:43:26

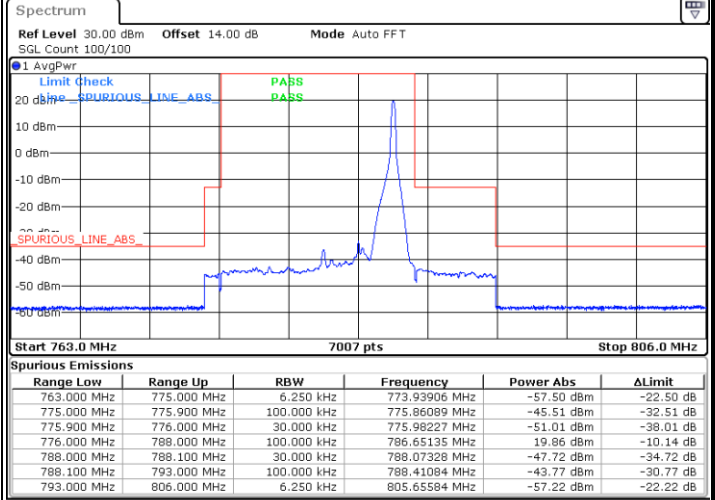
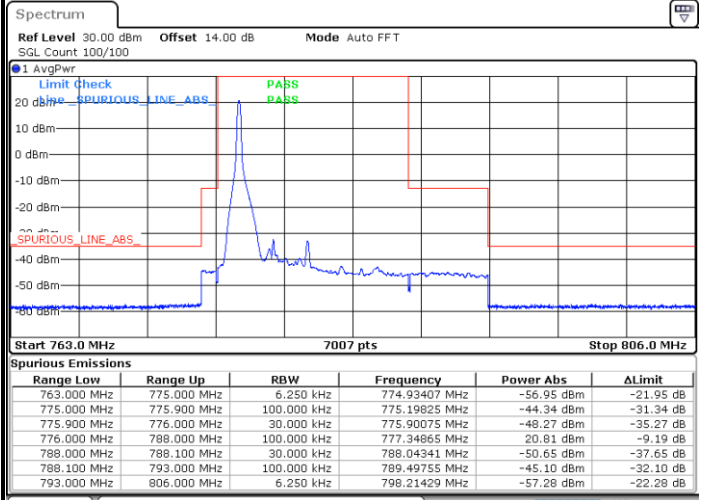
Date: 6.AUG.2023 11:52:30



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

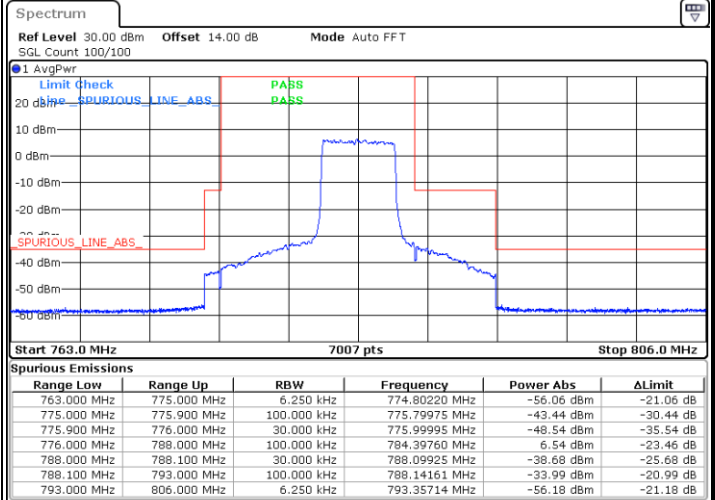
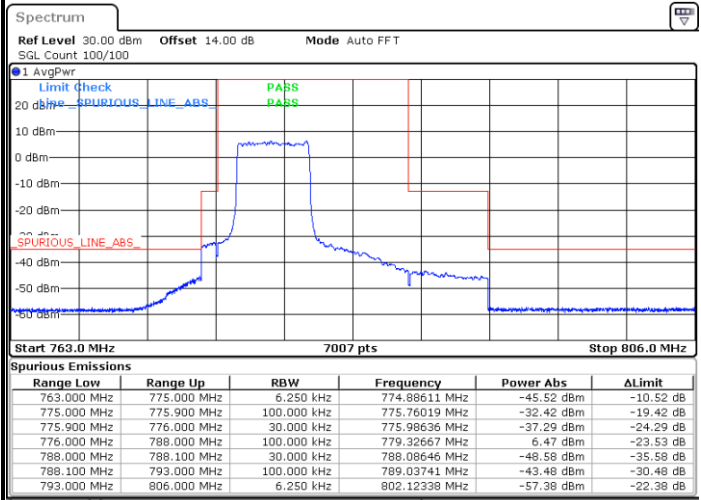


Date: 6.AUG.2023 11:41:34

Date: 6.AUG.2023 11:50:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 6.AUG.2023 11:44:22

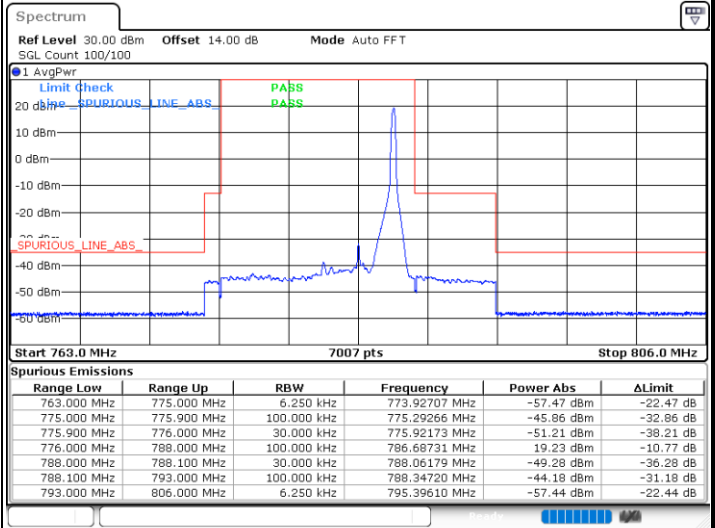
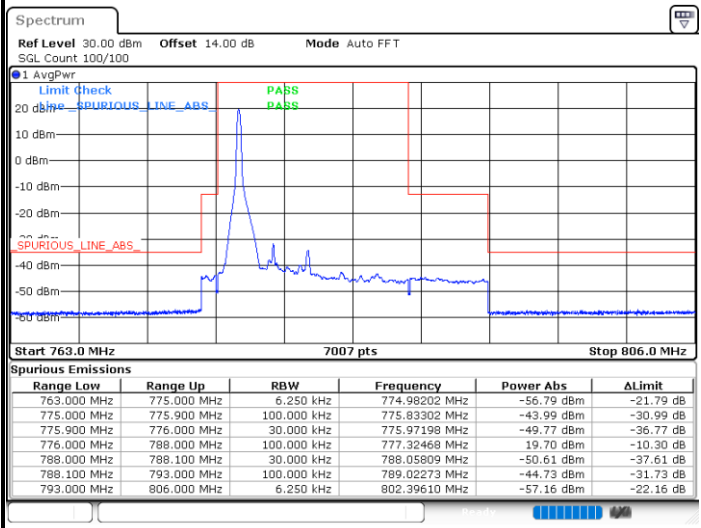
Date: 6.AUG.2023 11:53:26



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

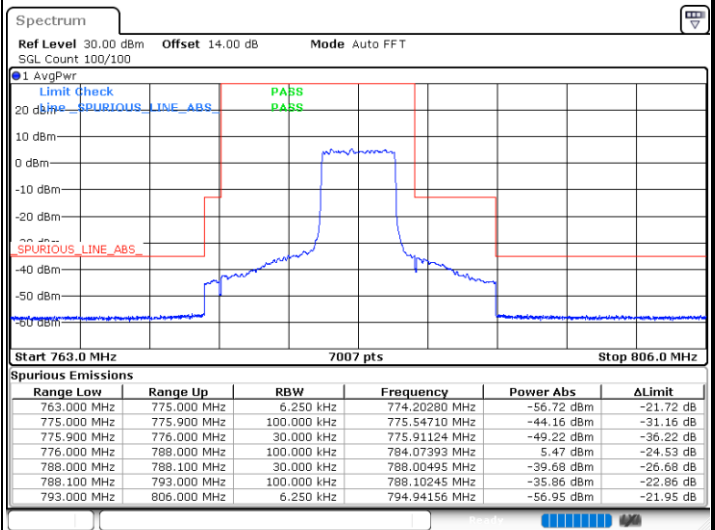
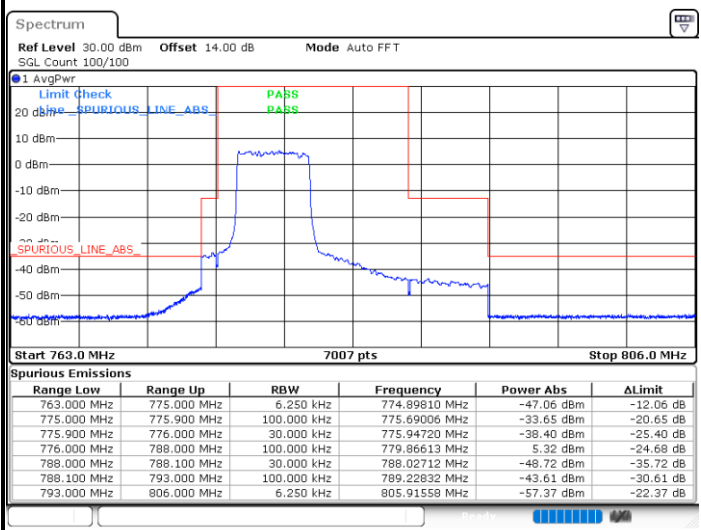


Date: 6.AUG.2023 11:42:30

Date: 6.AUG.2023 11:51:34

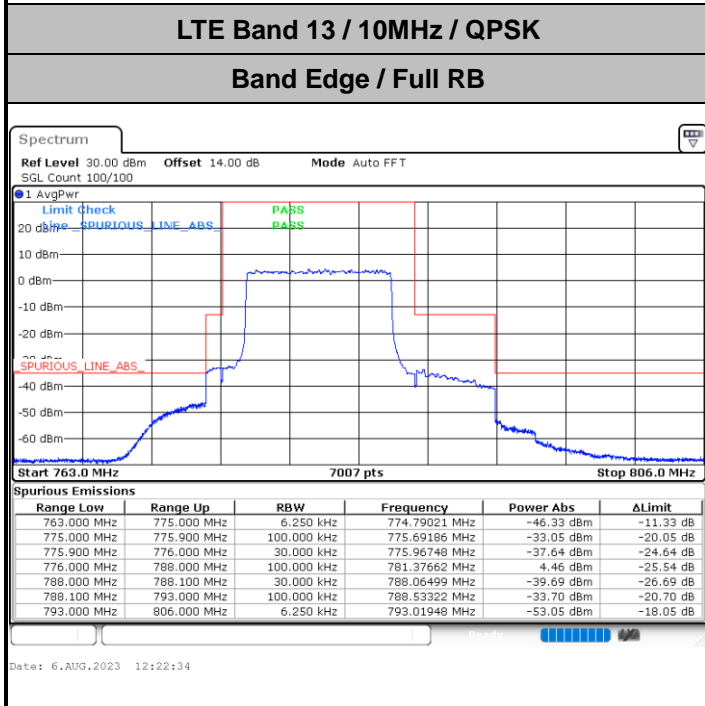
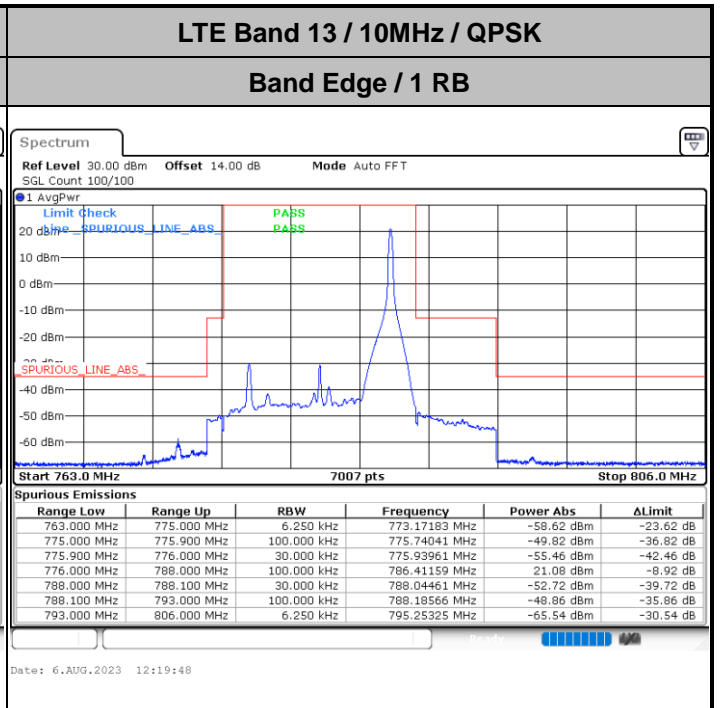
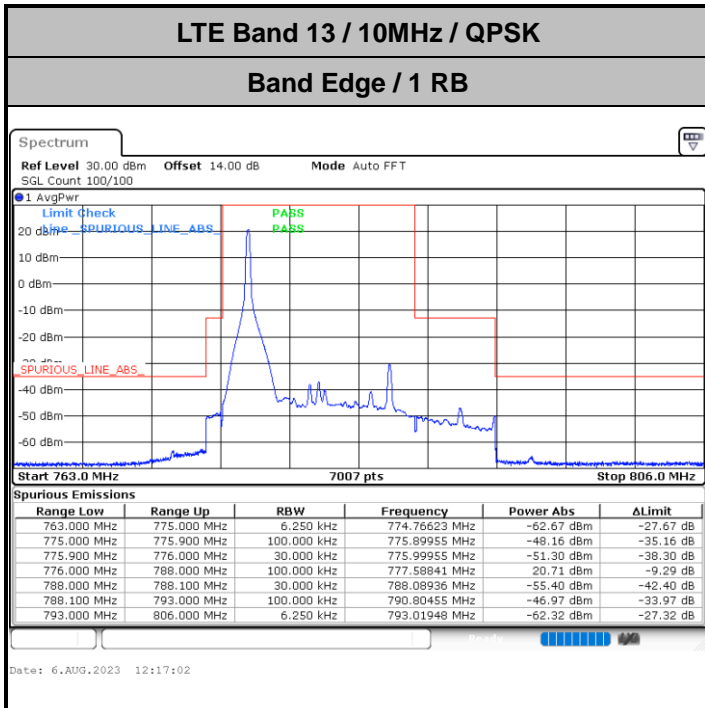
Lowest Band Edge / Full RB

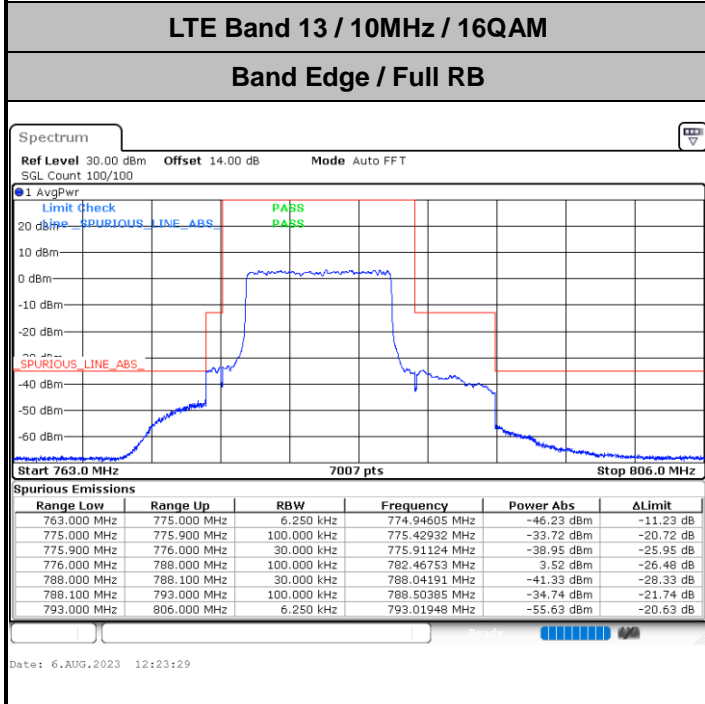
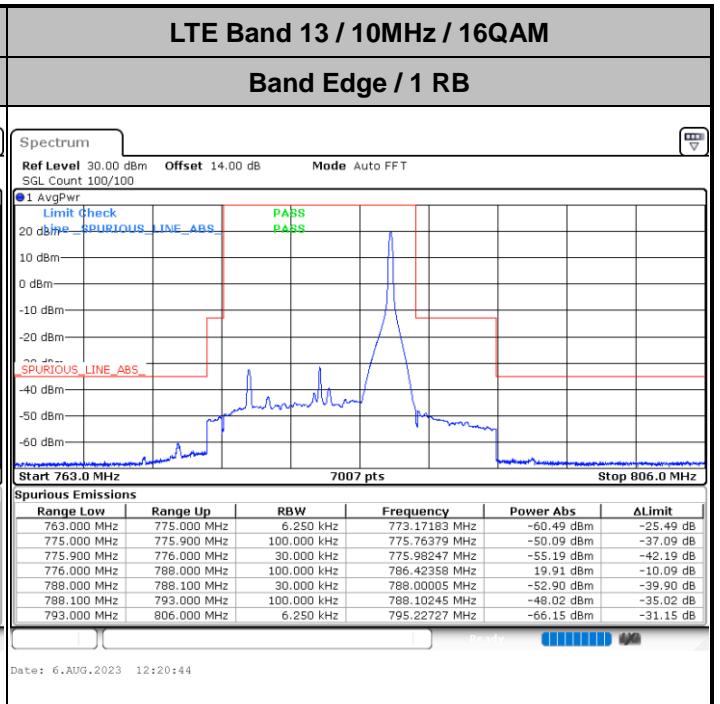
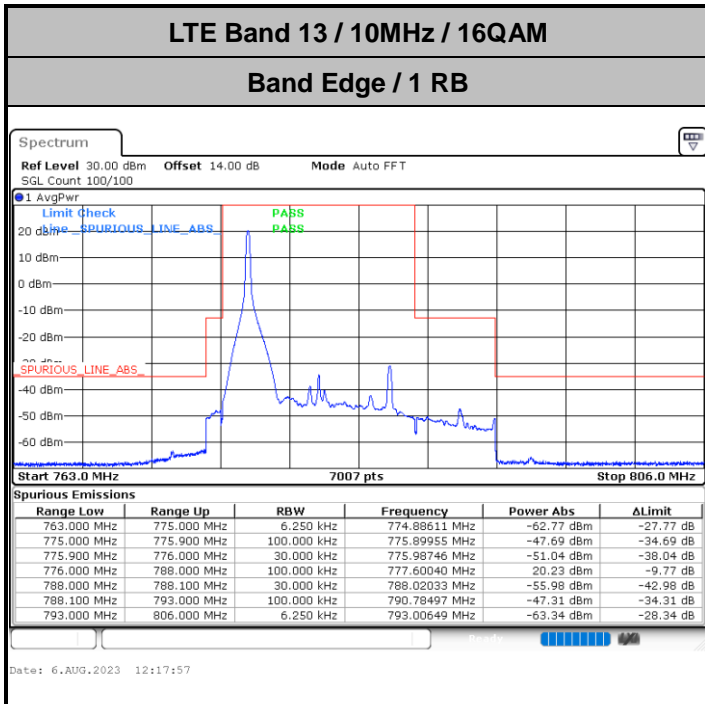
Highest Band Edge / Full RB

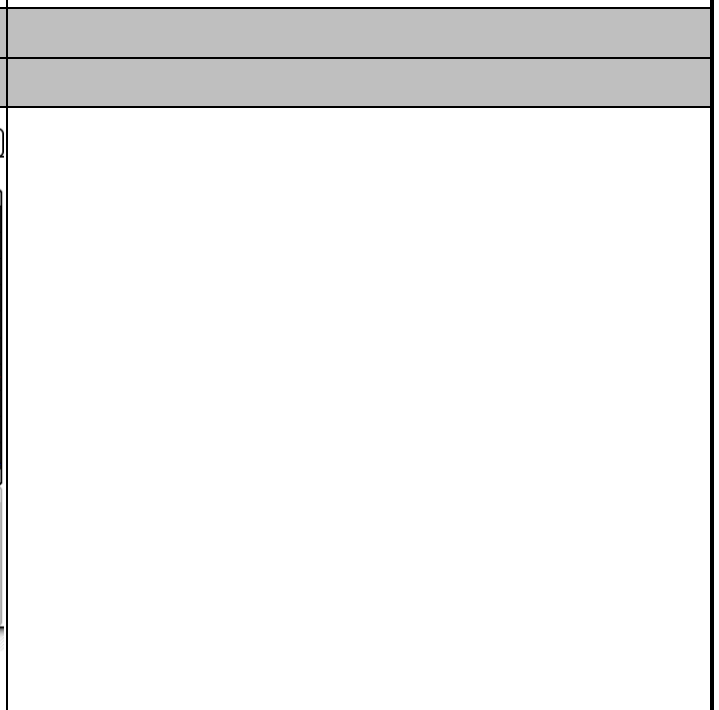
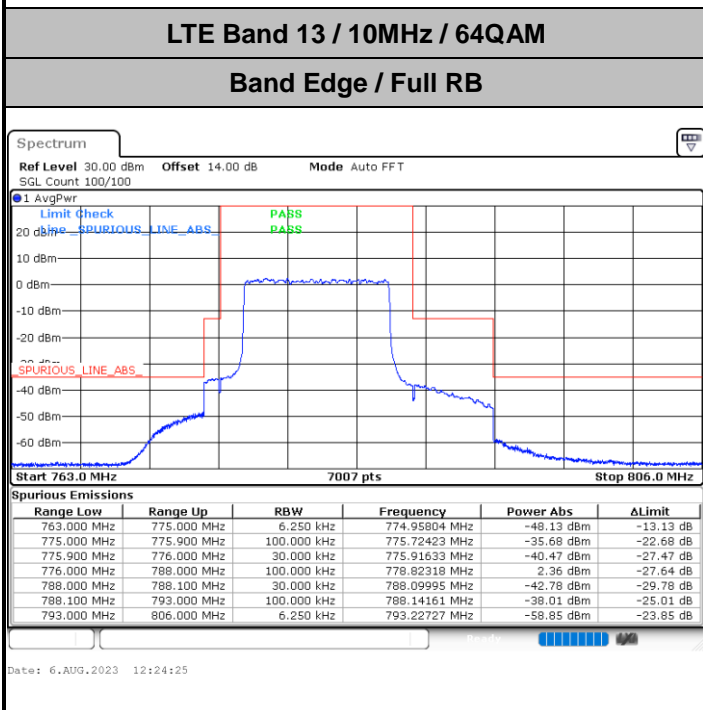
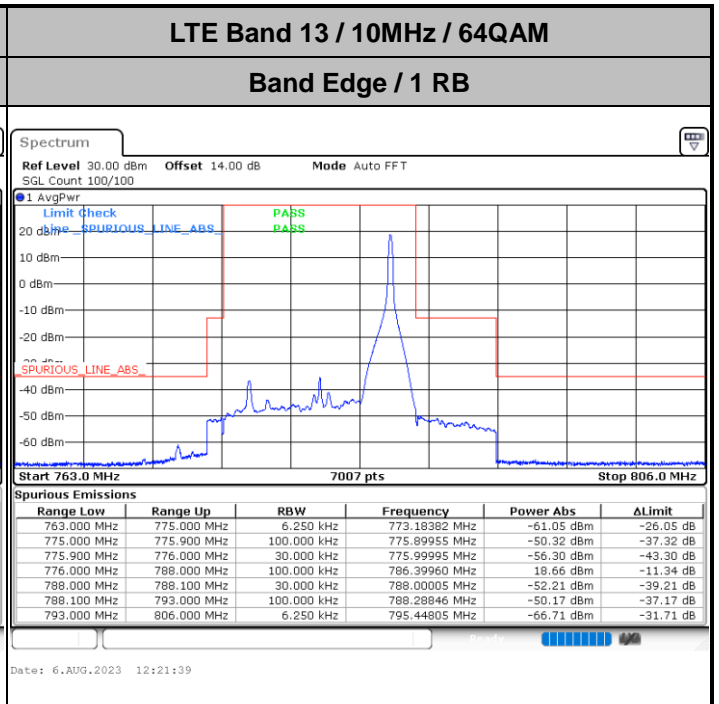
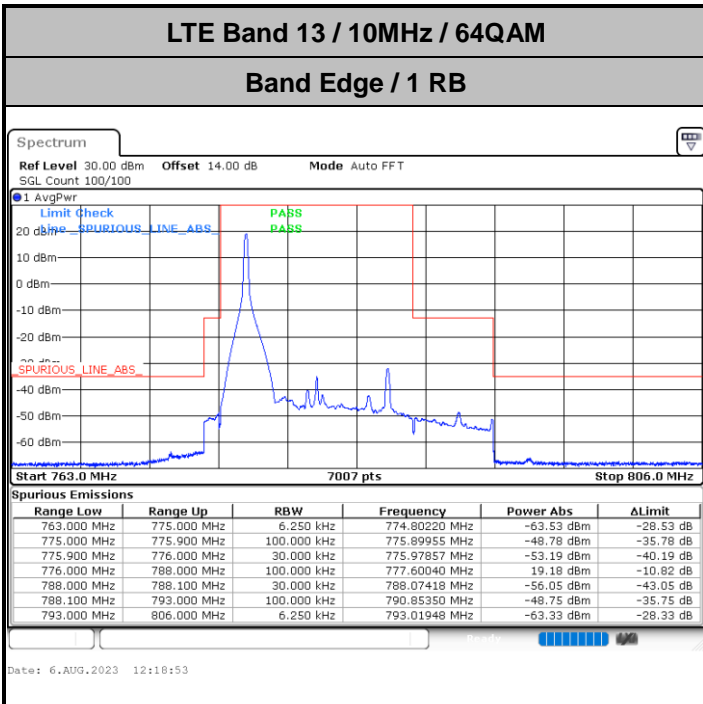


Date: 6.AUG.2023 11:45:18

Date: 6.AUG.2023 11:54:22

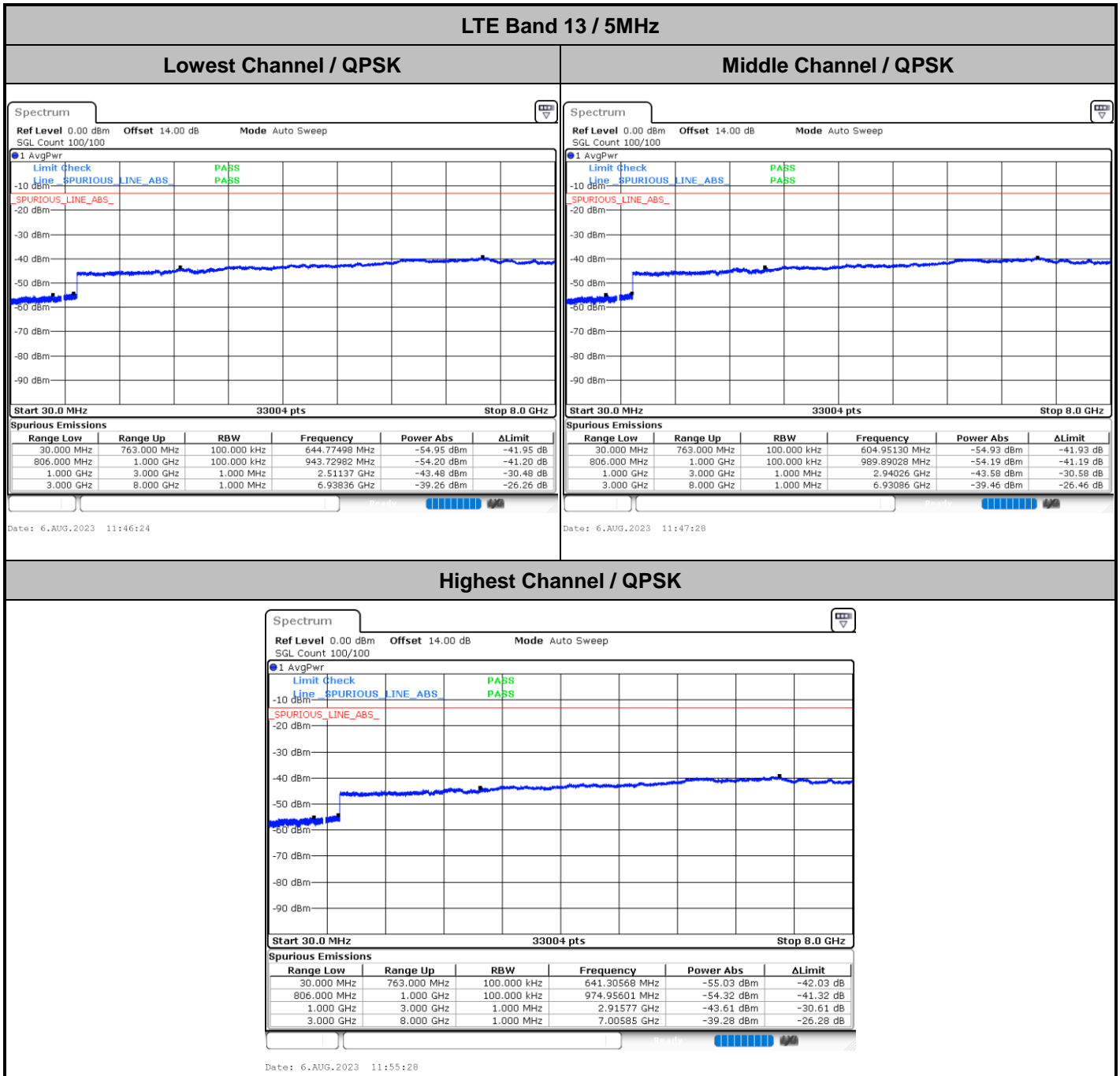








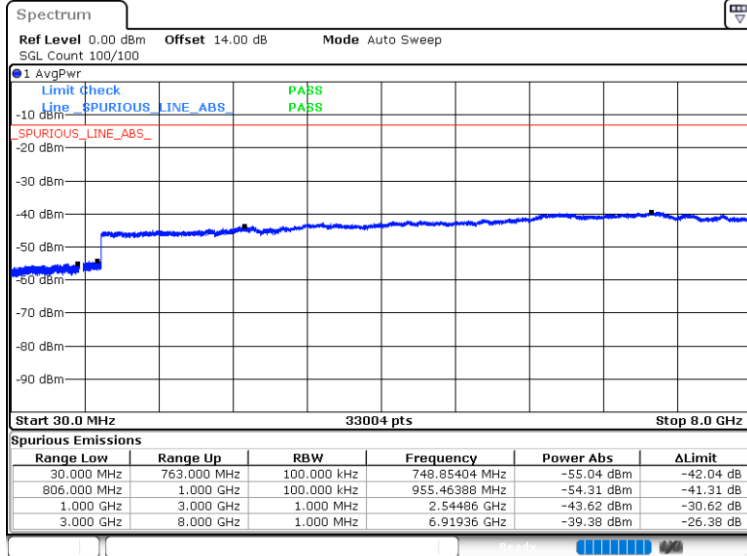
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 6.AUG.2023 12:25:30



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	0.0014	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0087	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

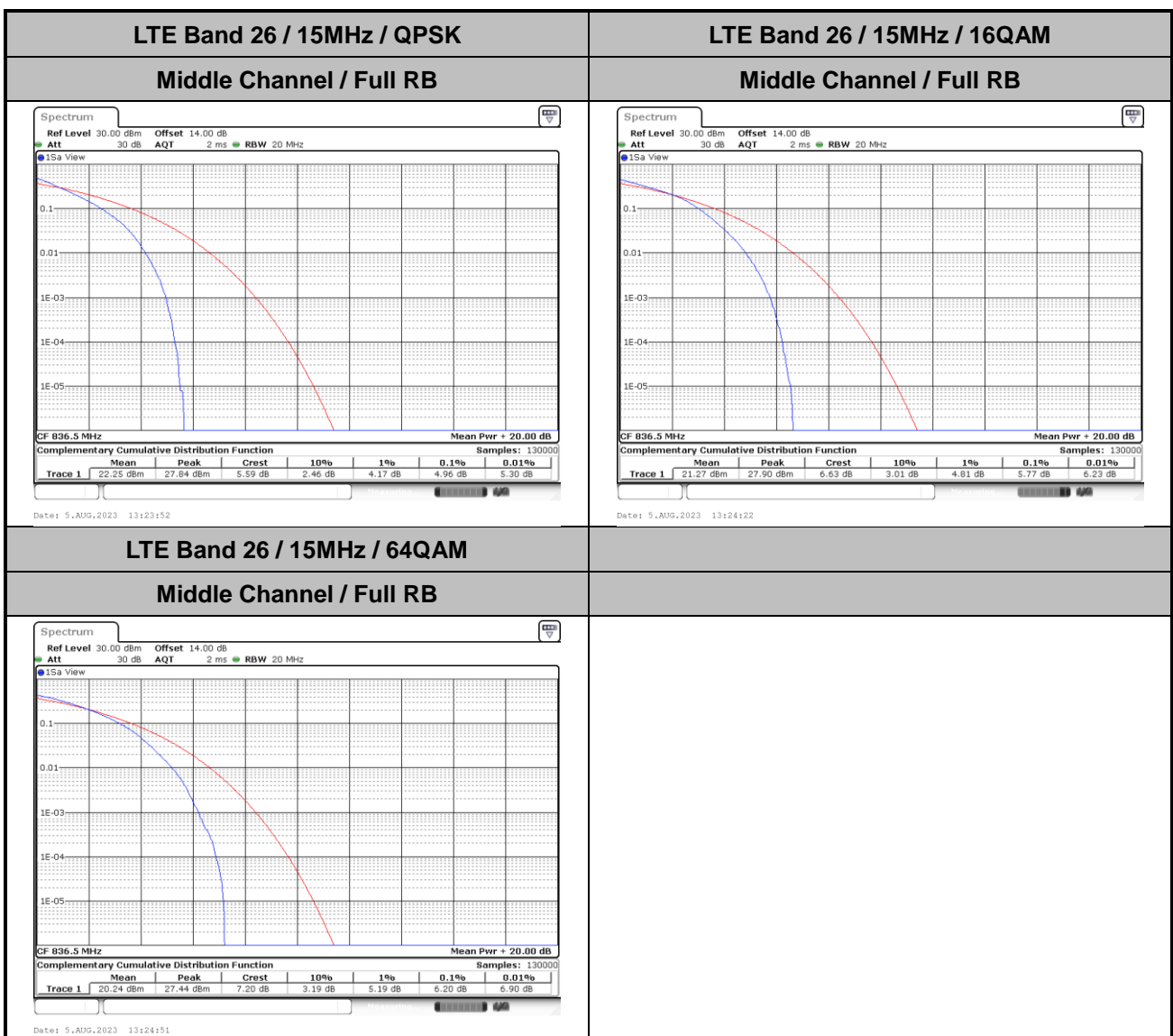
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 V..
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

Peak-to-Average Ratio

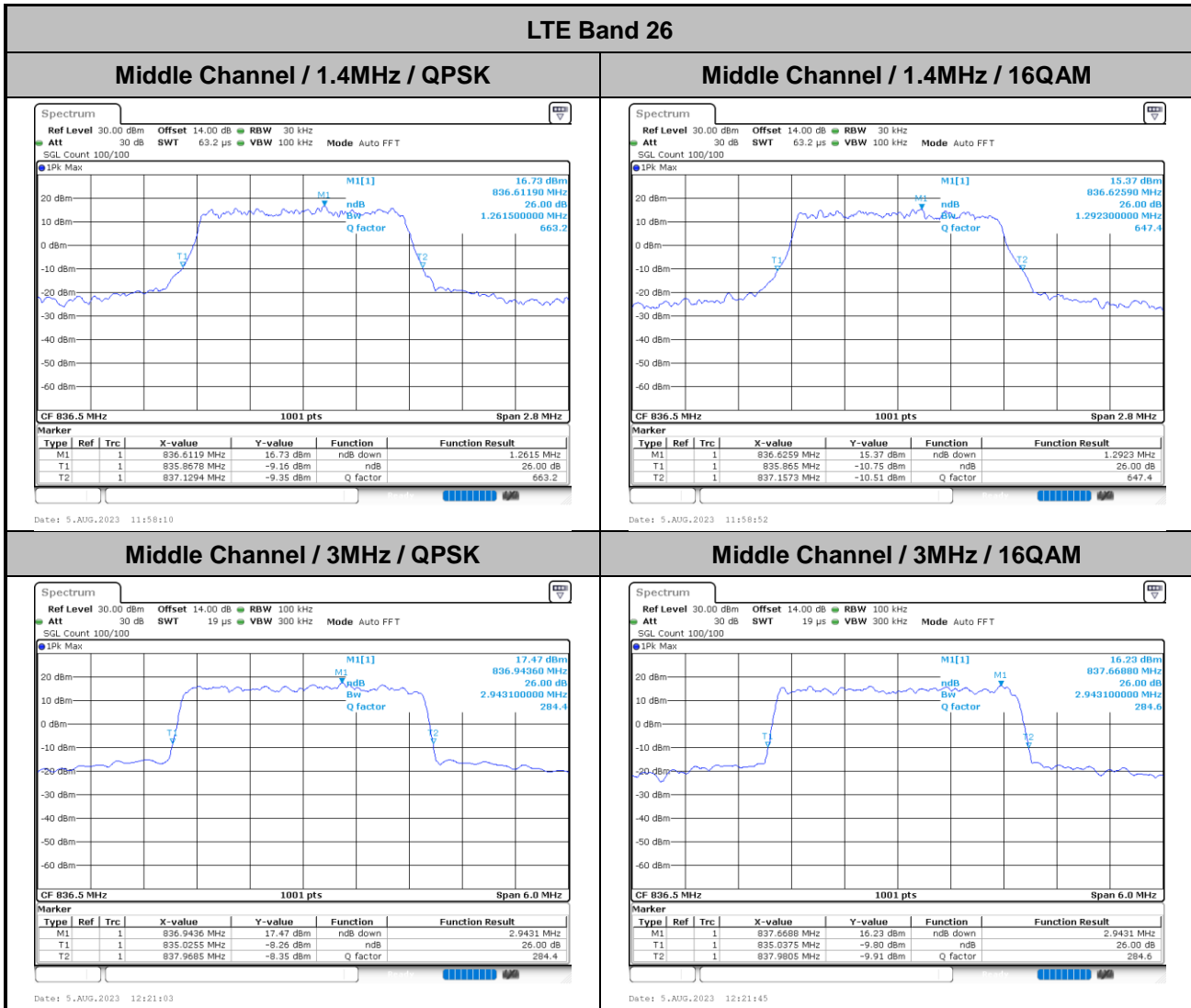
Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.96	5.77	6.20	PASS





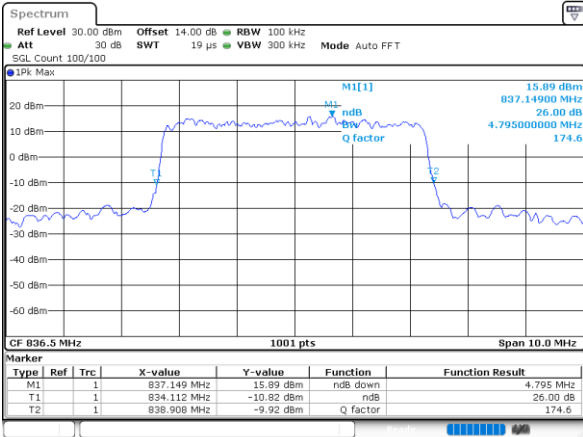
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)									
	1.4MHz		3MHz		5MHz		10MHz		15MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.26	1.29	2.94	2.94	4.80	4.78	9.79	9.81	14.48	14.42



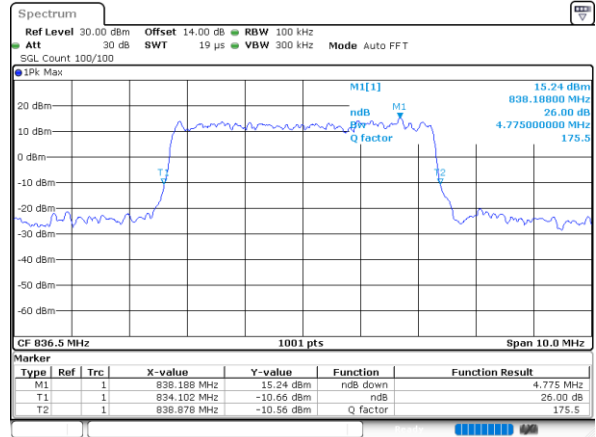


Middle Channel / 5MHz / QPSK



Date: 5_AUG.2023 12:43:58

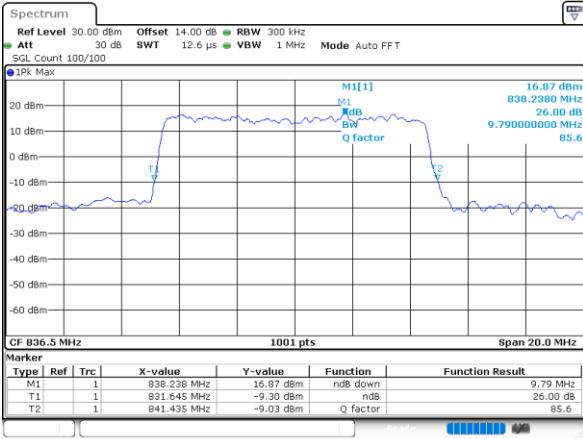
Middle Channel / 5MHz / 16QAM



Date: 5_AUG.2023 12:44:40

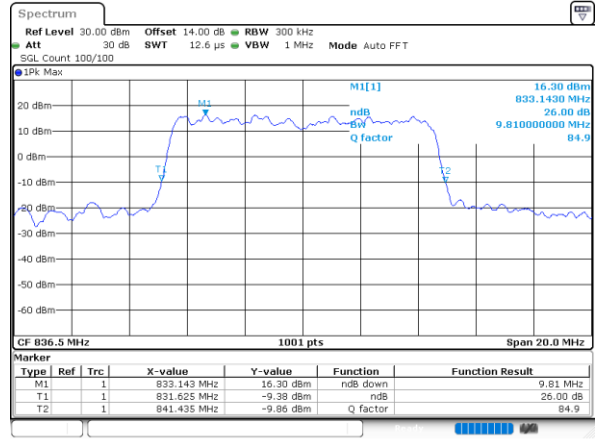
LTE Band 26

Middle Channel / 10MHz / QPSK



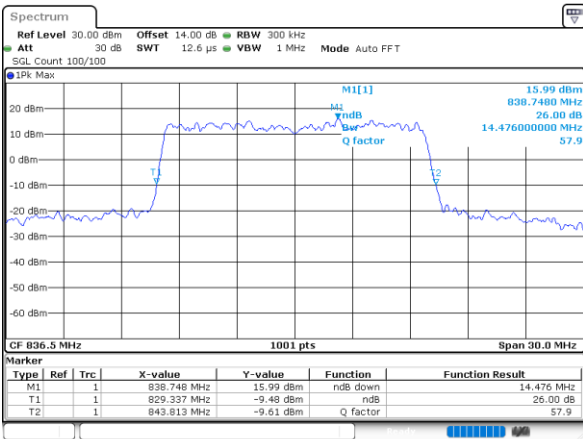
Date: 5_AUG.2023 13:00:10

Middle Channel / 10MHz / 16QAM



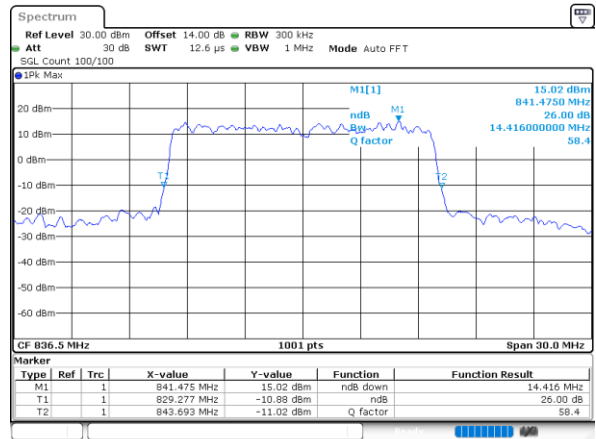
Date: 5_AUG.2023 13:00:52

Middle Channel / 15MHz / QPSK



Date: 5_AUG.2023 13:22:40

Middle Channel / 15MHz / 16QAM

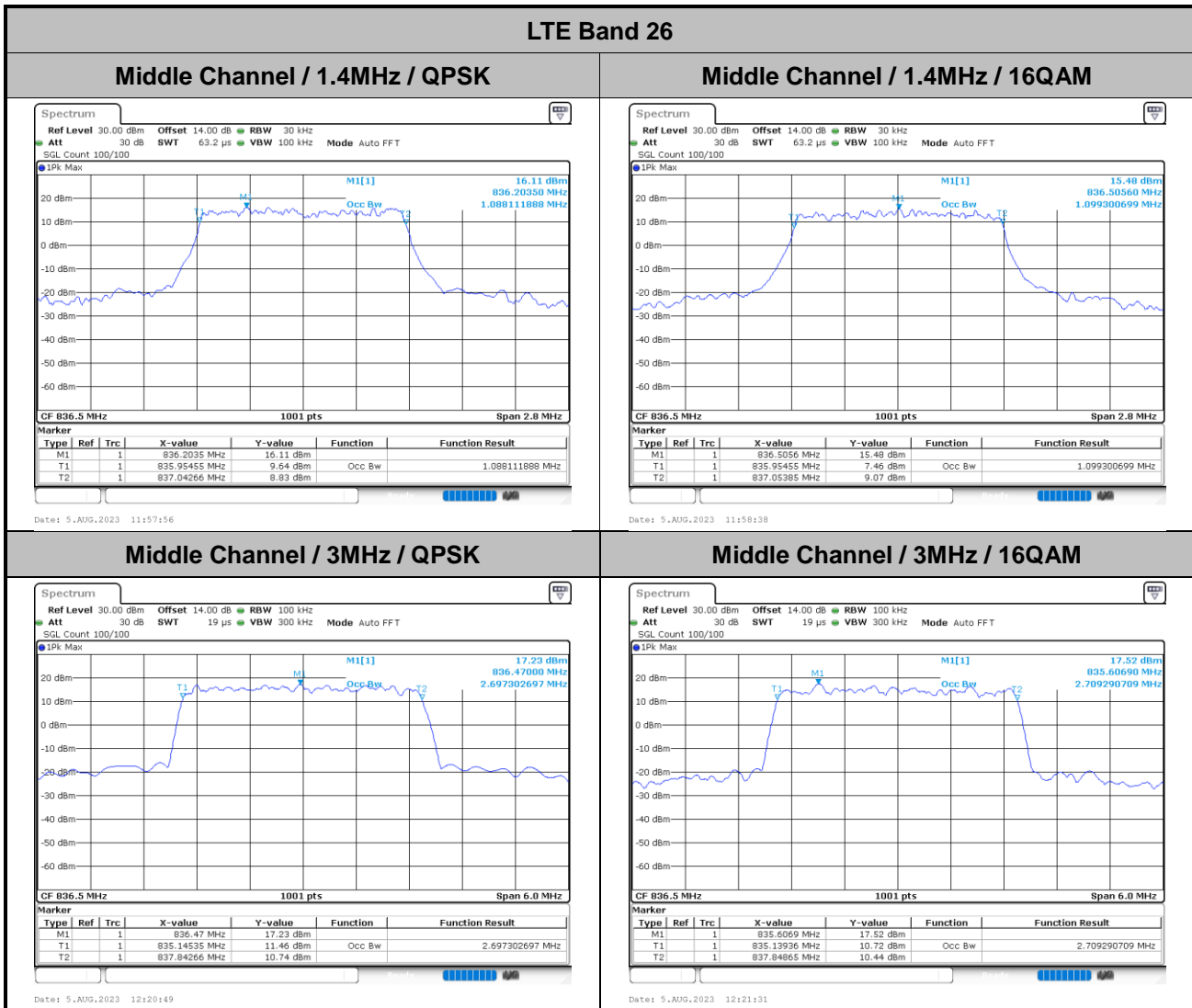


Date: 5_AUG.2023 13:23:23



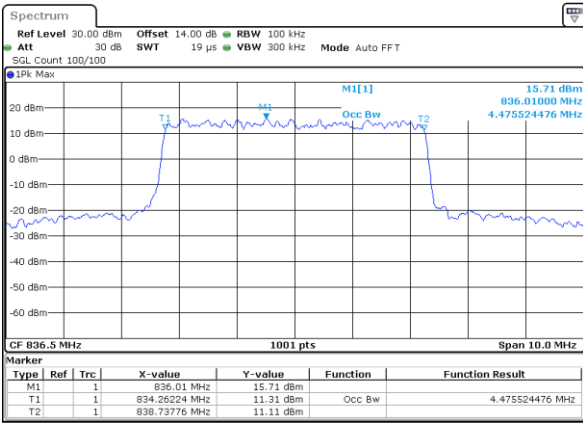
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		15MHz (CH26790)	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.70	2.71	4.48	4.49	9.05	9.01	13.43	13.46	13.43	13.43



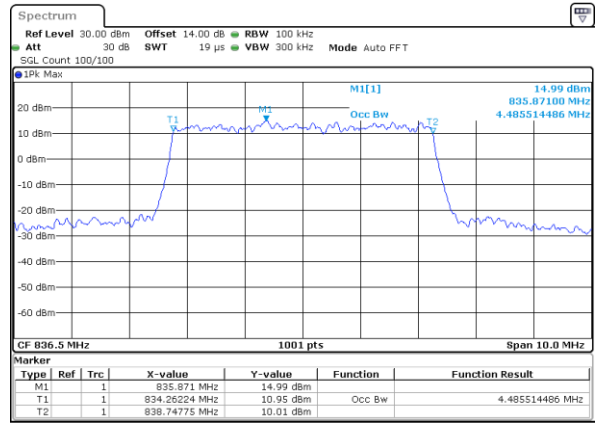


Middle Channel / 5MHz / QPSK



Date: 5_AUG.2023 12:43:44

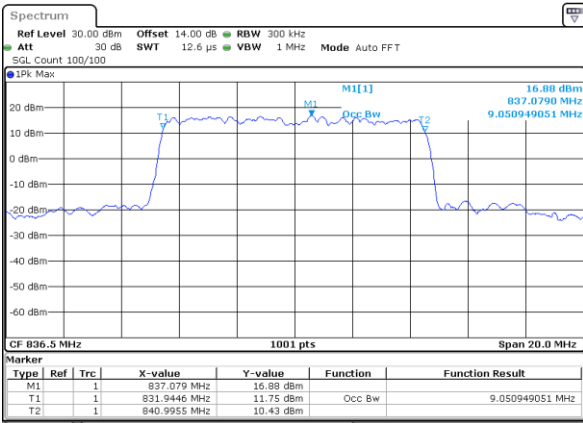
Middle Channel / 5MHz / 16QAM



Date: 5_AUG.2023 12:44:26

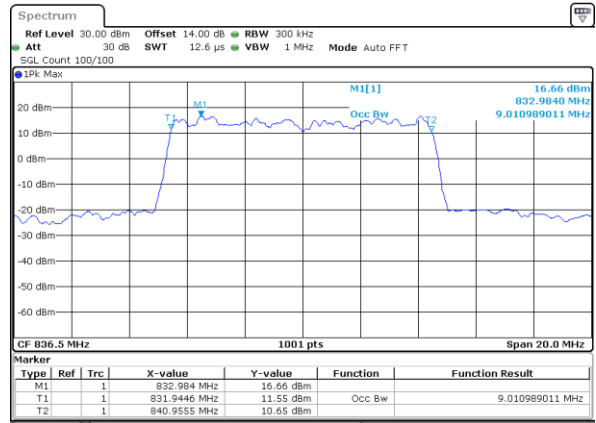
LTE Band 26

Middle Channel / 10MHz / QPSK



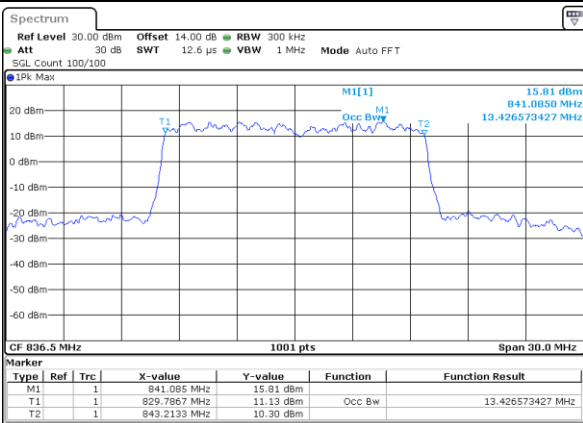
Date: 5_AUG.2023 12:59:56

Middle Channel / 10MHz / 16QAM



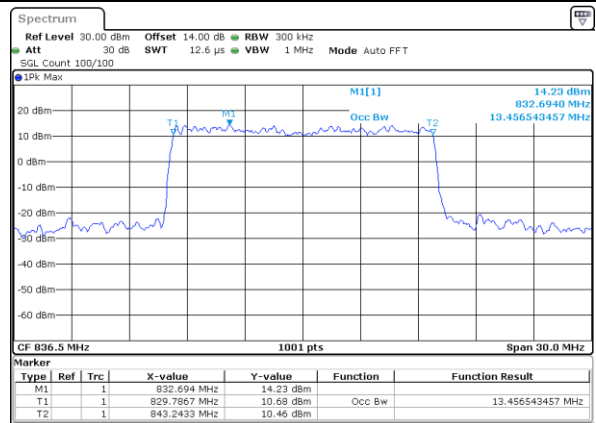
Date: 5_AUG.2023 13:00:38

Middle Channel / 15MHz / QPSK



Date: 5_AUG.2023 13:22:26

Middle Channel / 15MHz / 16QAM

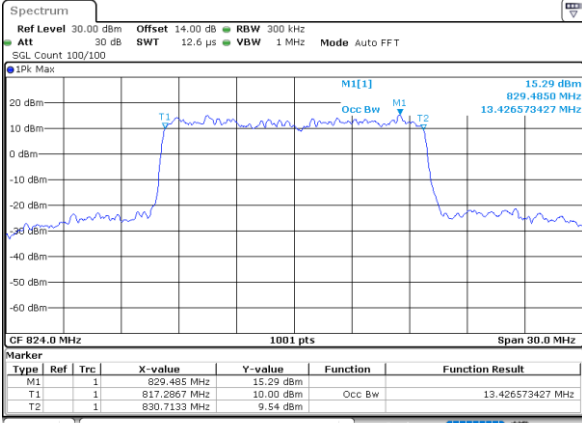


Date: 5_AUG.2023 13:23:09



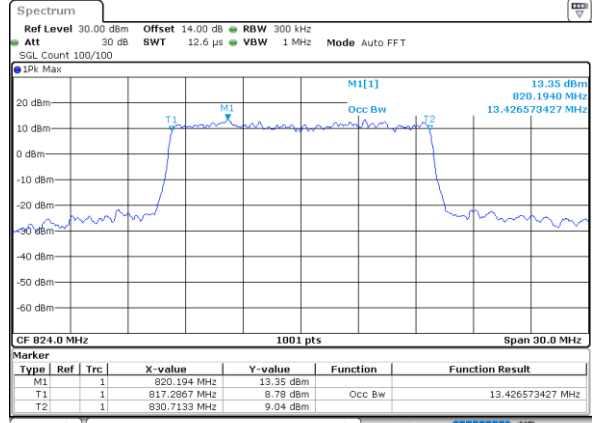
LTE Band 26

Highest Channel / CH26790 / QPSK



Date: 21.AUG.2023 12:14:21

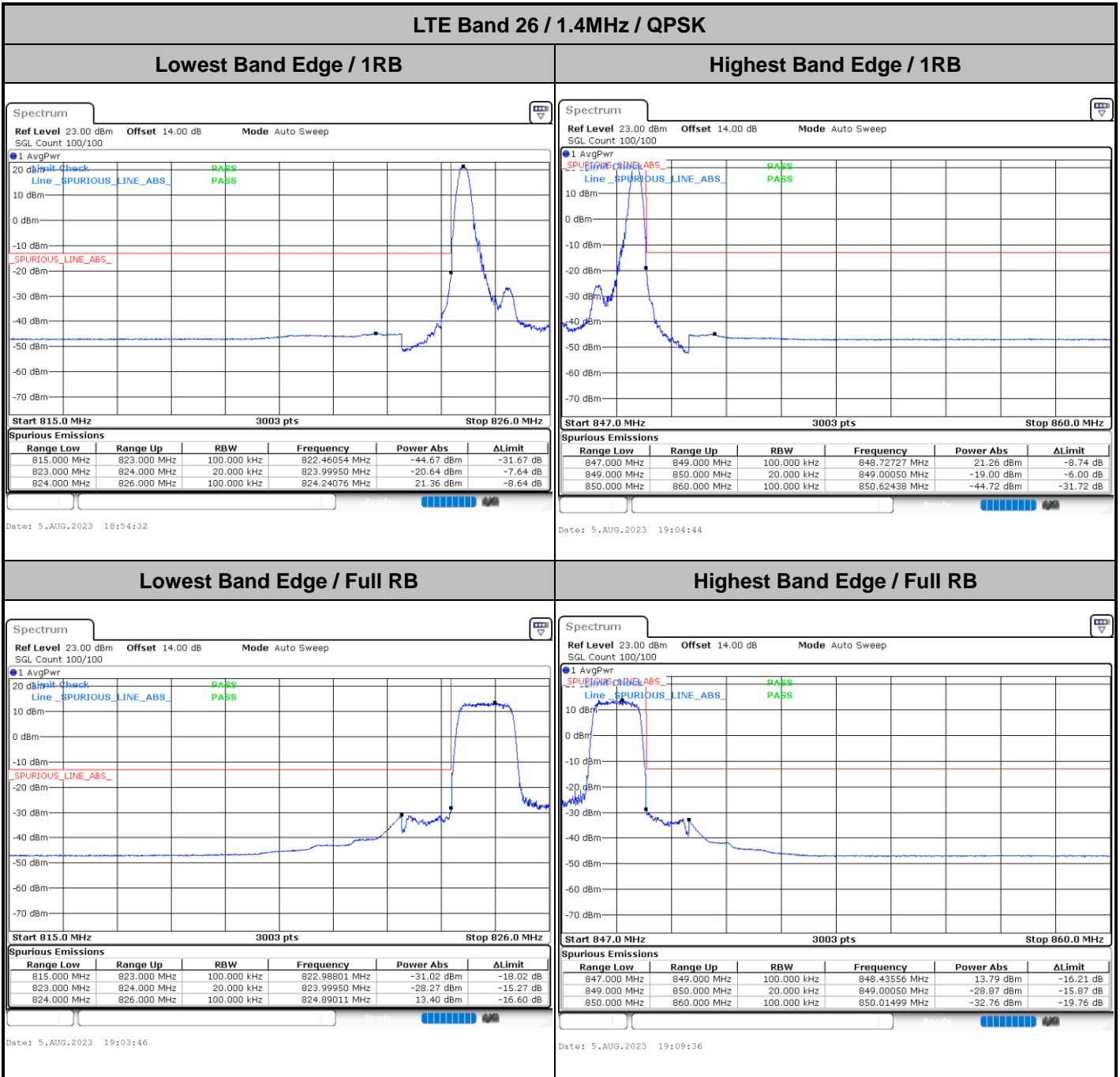
Highest Channel / CH26790 / 16QAM



Date: 21.AUG.2023 12:15:14



Conducted Band Edge

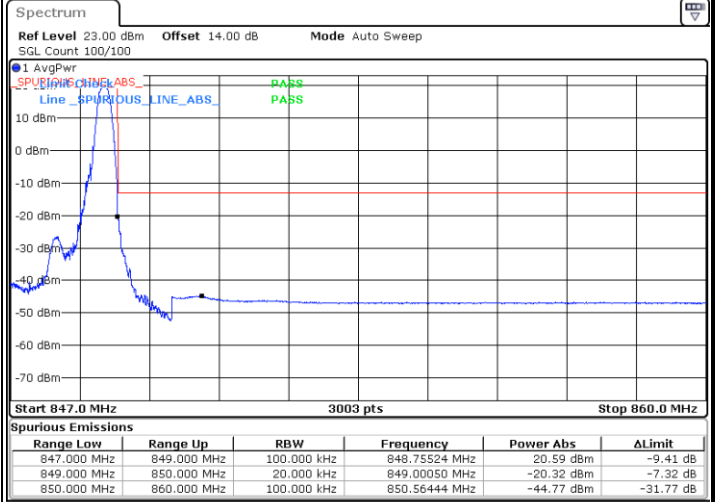
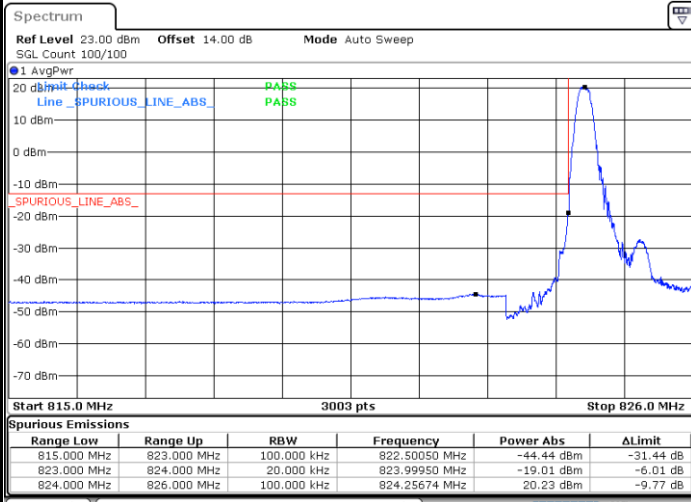




LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

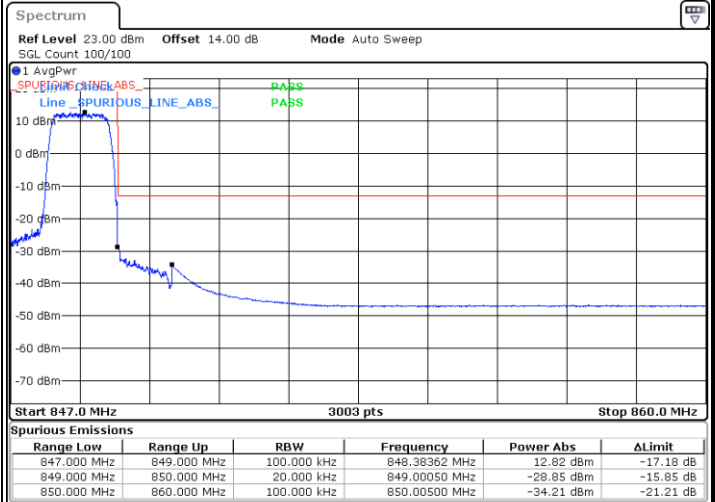
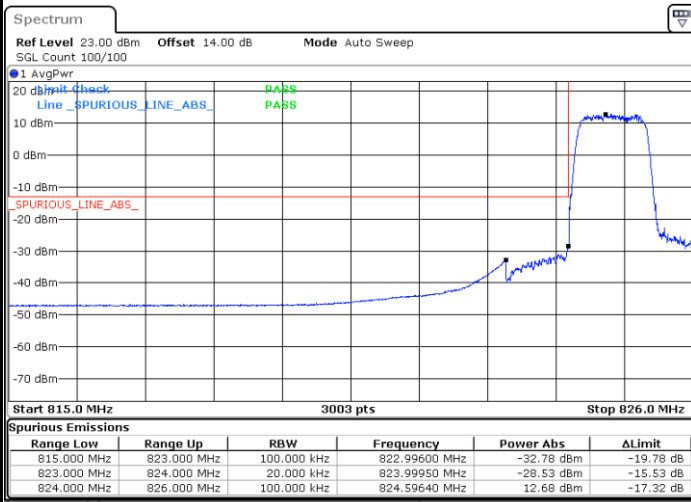


Date: 5.AUG.2023 18:59:52

Date: 5.AUG.2023 19:05:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



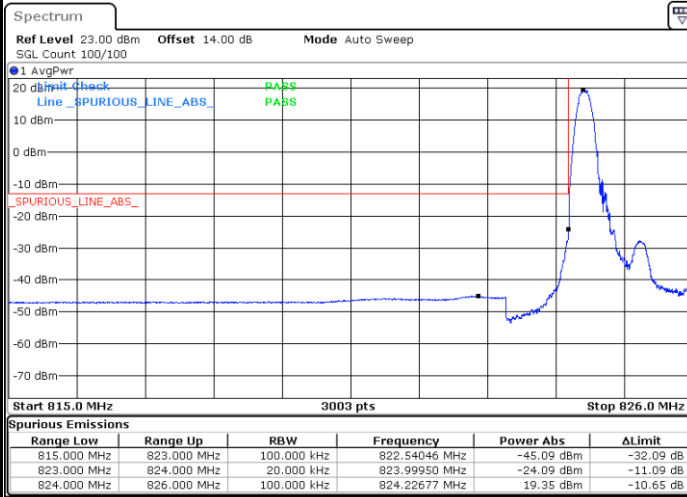
Date: 5.AUG.2023 19:02:47

Date: 5.AUG.2023 19:08:38



LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



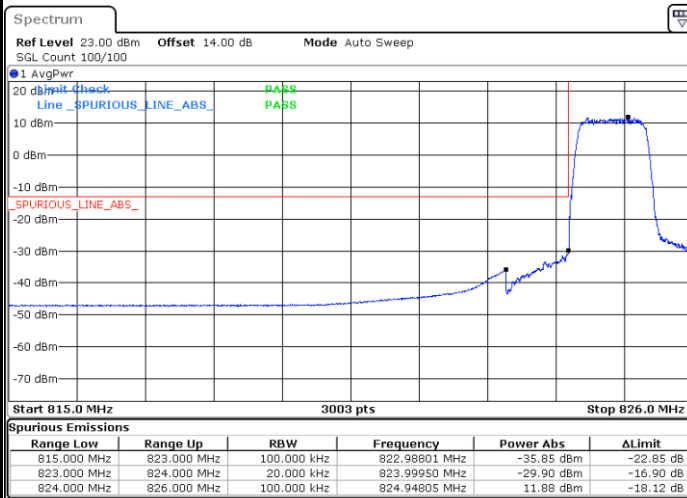
Date: 5.AUG.2023 19:00:51

Highest Band Edge / 1 RB



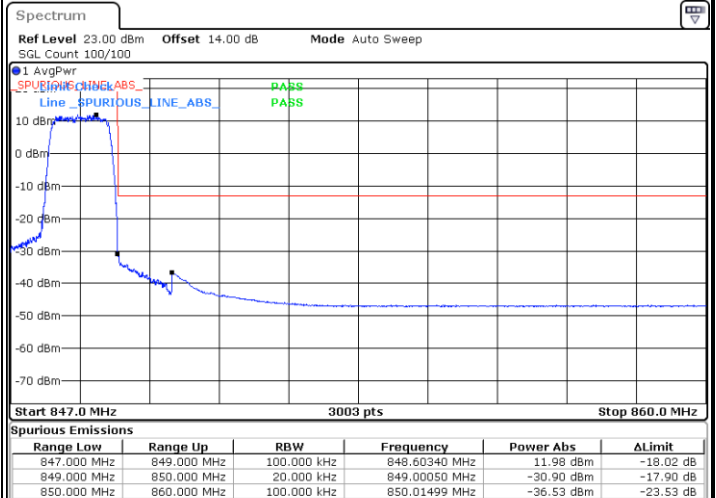
Date: 5.AUG.2023 19:06:41

Lowest Band Edge / Full RB



Date: 5.AUG.2023 19:01:49

Highest Band Edge / Full RB



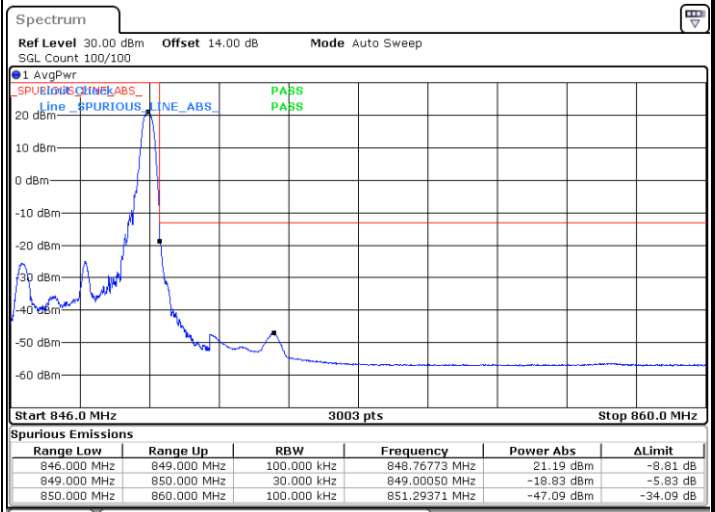
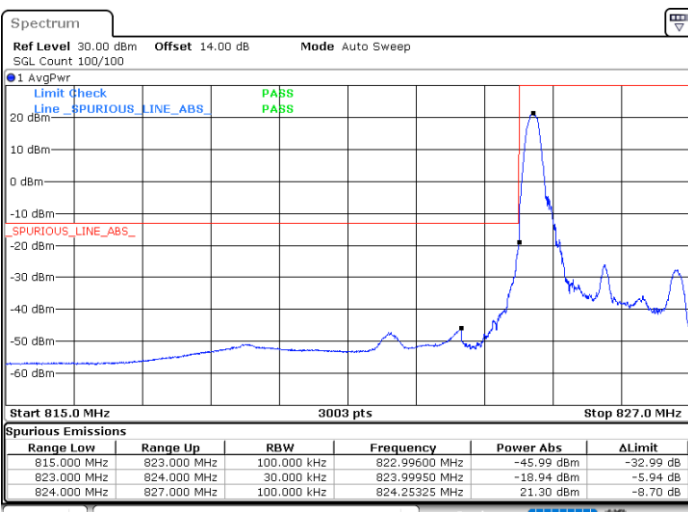
Date: 5.AUG.2023 19:07:39



LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB

Highest Band Edge / 1RB

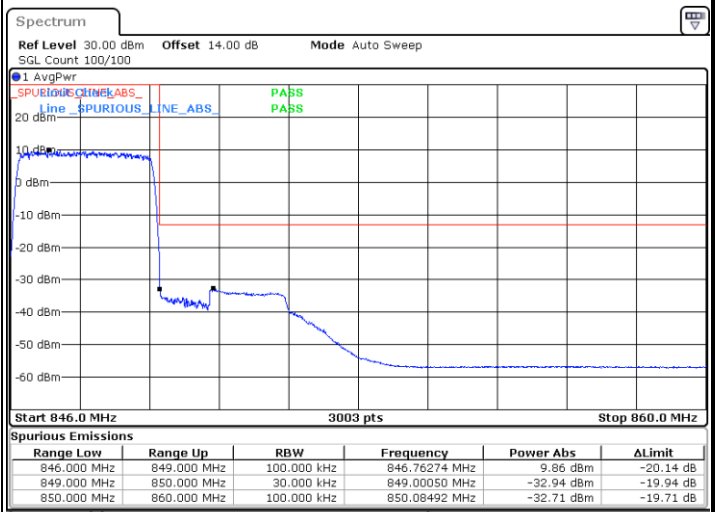
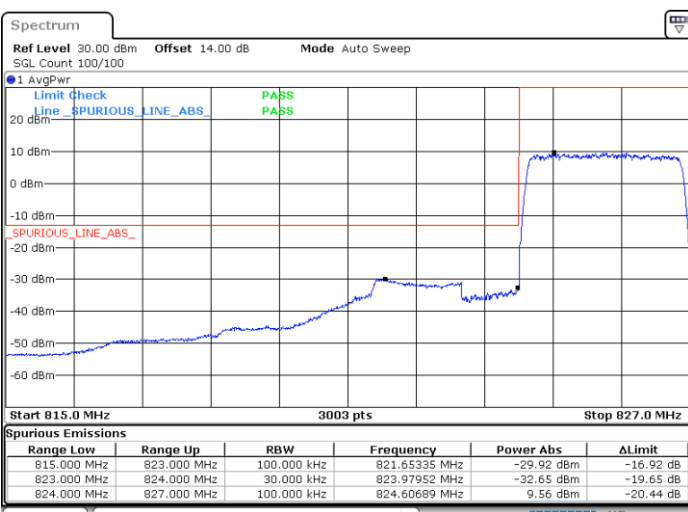


Date: 5.AUG.2023 19:13:34

Date: 5.AUG.2023 19:19:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



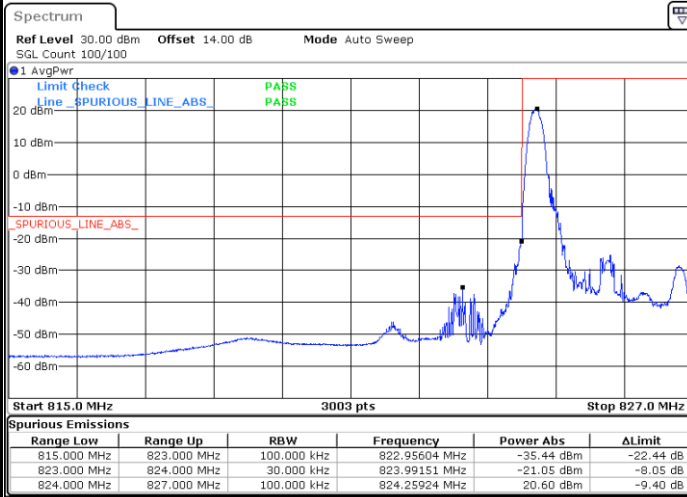
Date: 5.AUG.2023 19:18:26

Date: 5.AUG.2023 19:24:16



LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



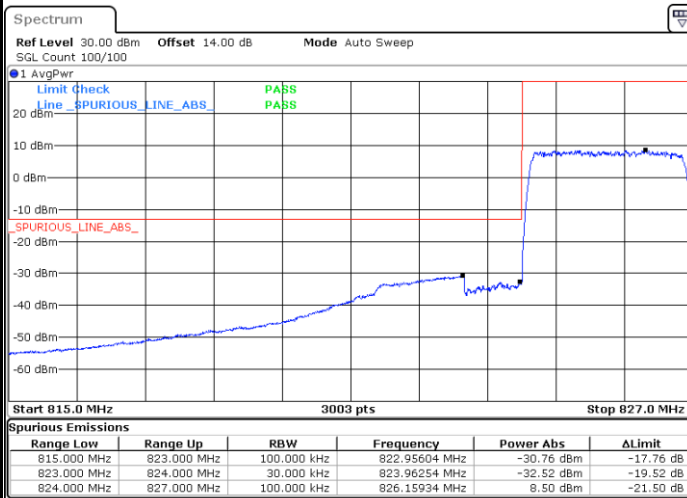
Date: 5.AUG.2023 19:14:33

Highest Band Edge / 1 RB



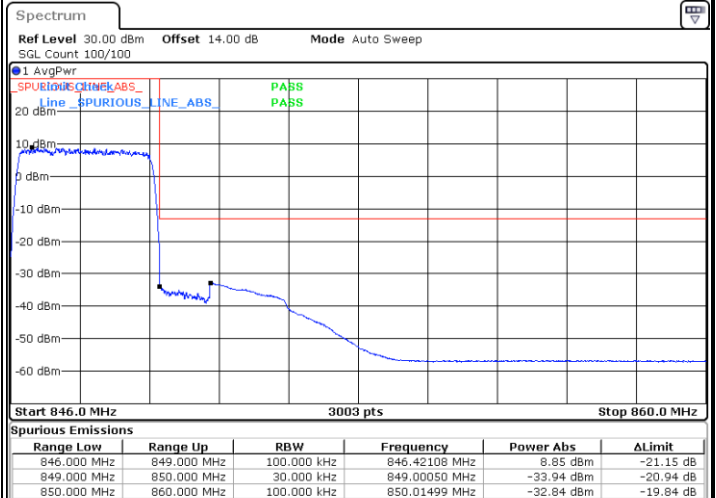
Date: 5.AUG.2023 19:20:23

Lowest Band Edge / Full RB



Date: 5.AUG.2023 19:17:28

Highest Band Edge / Full RB

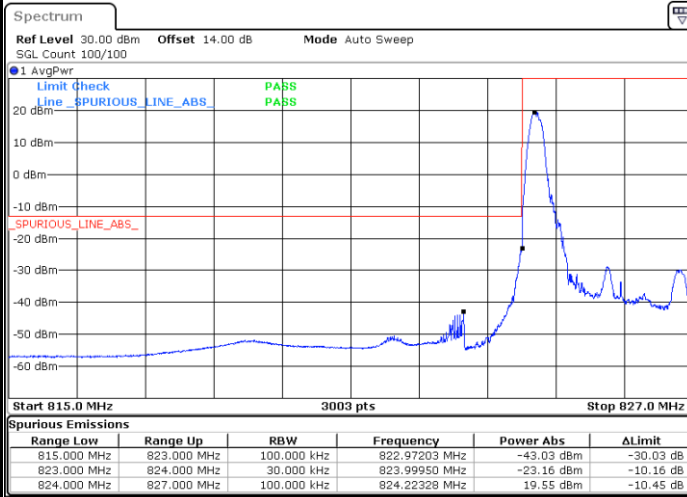


Date: 5.AUG.2023 19:23:17



LTE Band 26 / 3MHz / 64QAM

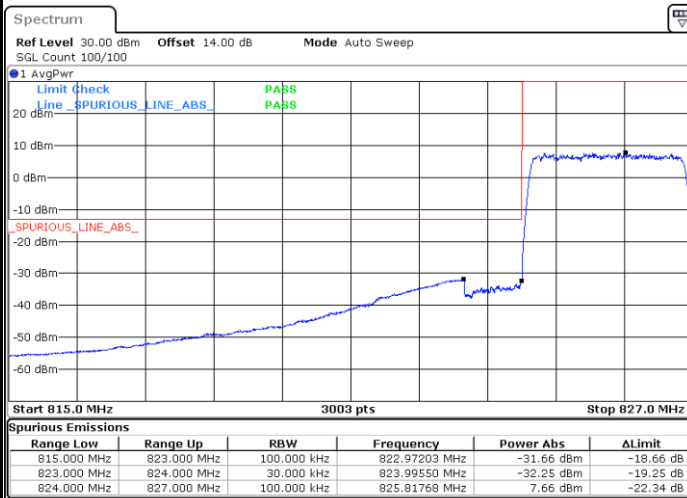
Lowest Band Edge / 1 RB



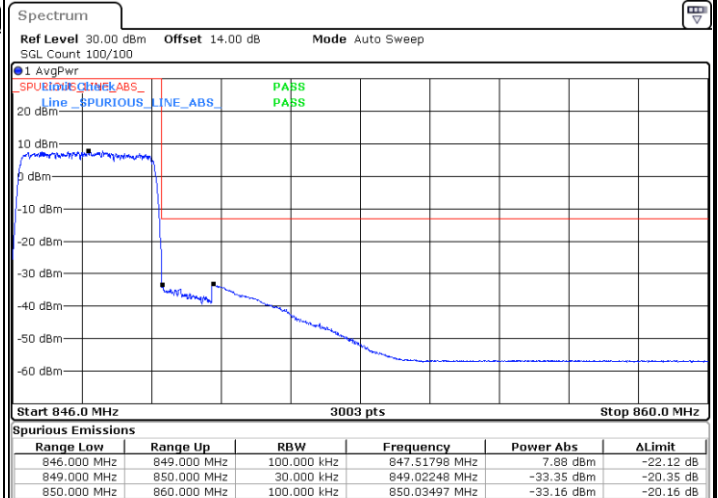
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



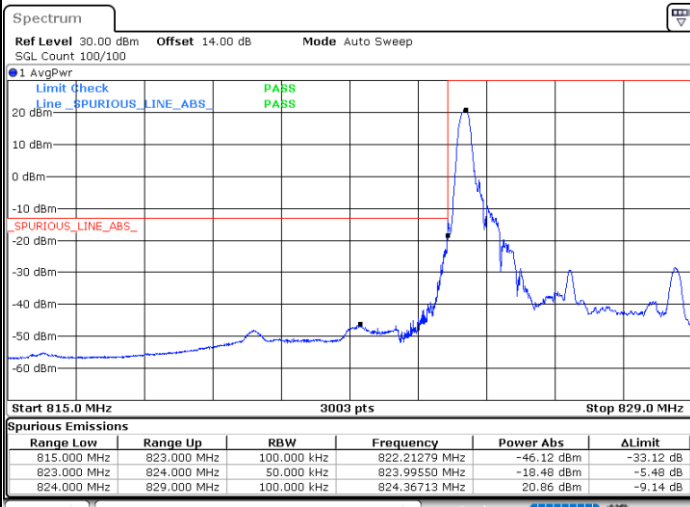
Highest Band Edge / Full RB





LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1RB



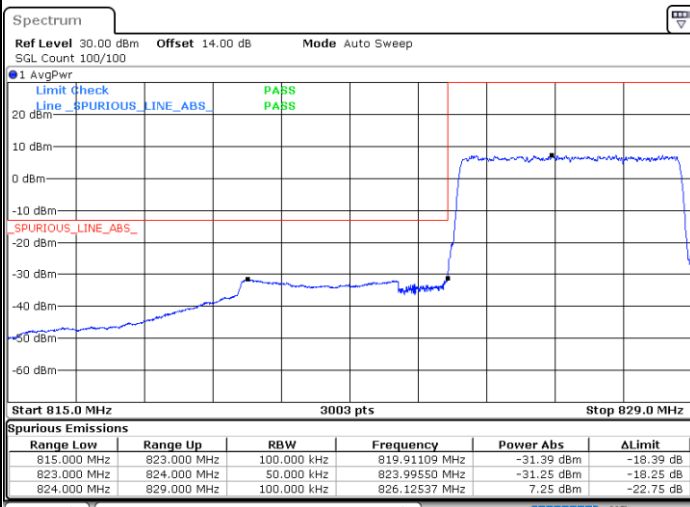
Date: 5.AUG.2023 19:26:04

Highest Band Edge / 1RB



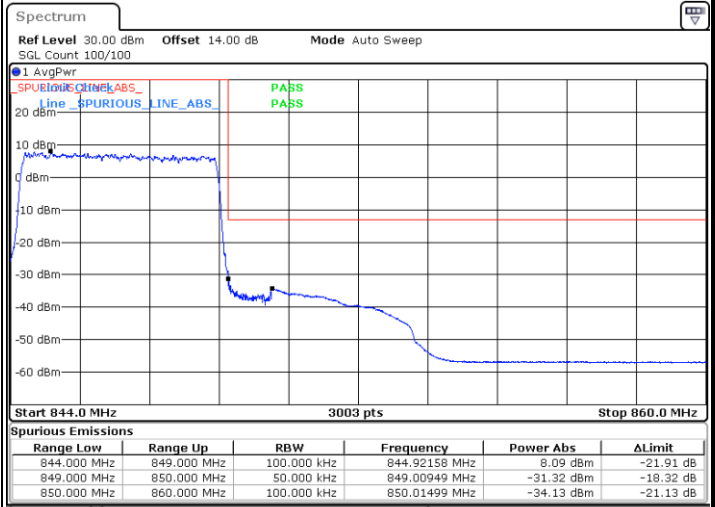
Date: 5.AUG.2023 19:31:53

Lowest Band Edge / Full RB



Date: 5.AUG.2023 19:30:55

Highest Band Edge / Full RB

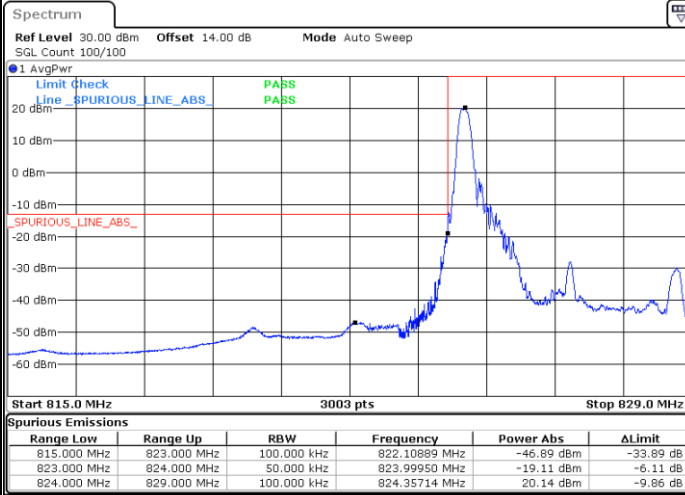


Date: 5.AUG.2023 19:36:44



LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



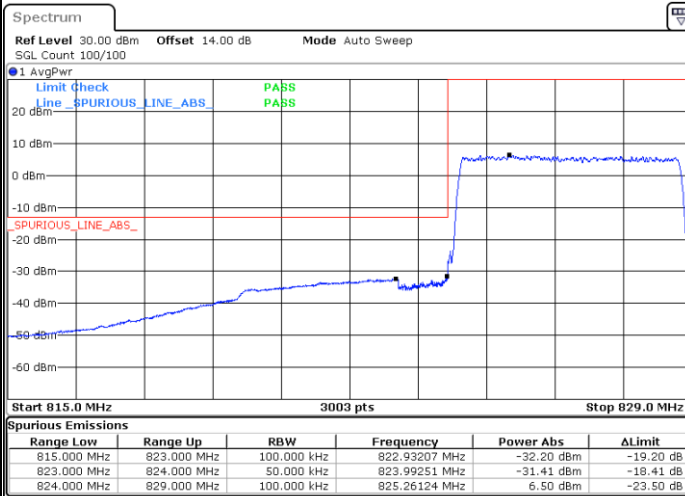
Date: 5.AUG.2023 19:27:02

Highest Band Edge / 1 RB



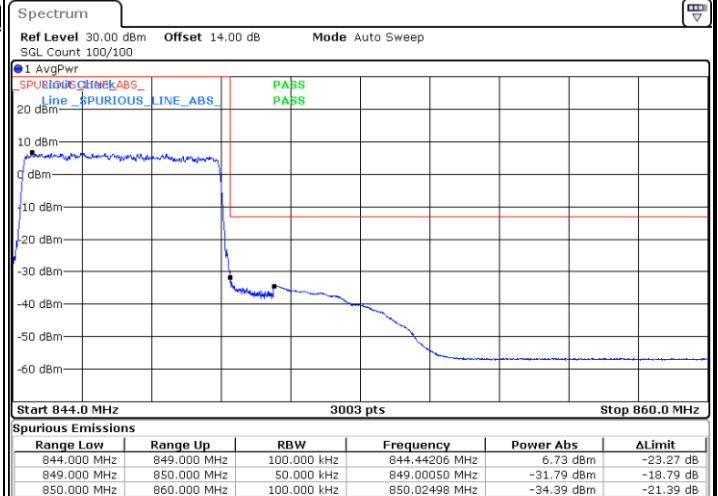
Date: 5.AUG.2023 19:32:51

Lowest Band Edge / Full RB



Date: 5.AUG.2023 19:29:57

Highest Band Edge / Full RB

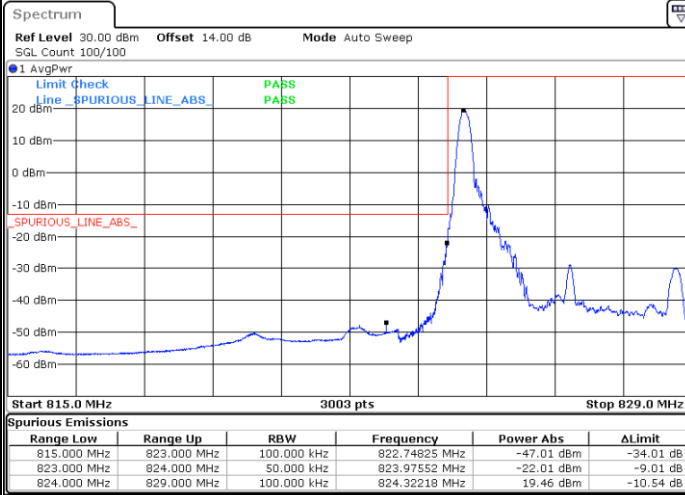


Date: 5.AUG.2023 19:35:46



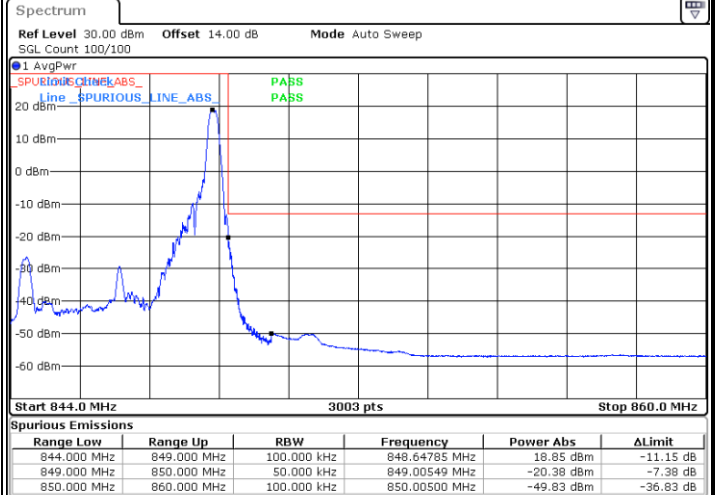
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



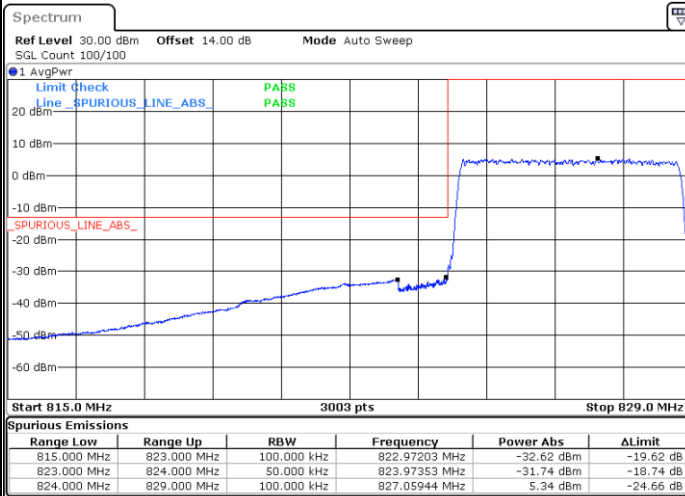
Date: 5.AUG.2023 19:28:00

Highest Band Edge / 1 RB



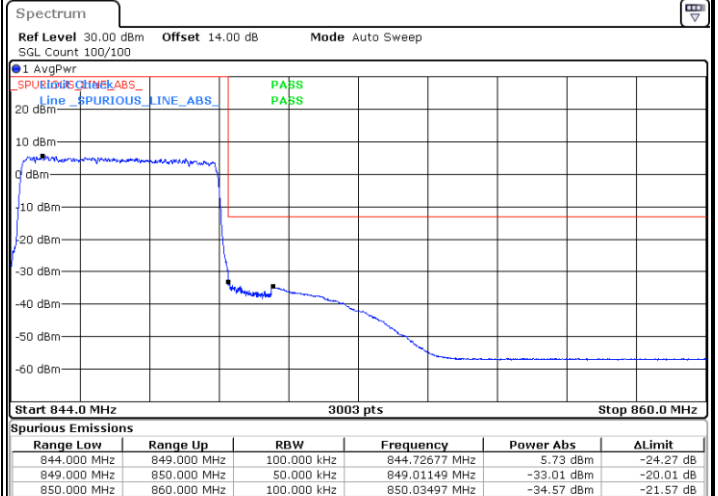
Date: 5.AUG.2023 19:33:50

Lowest Band Edge / Full RB



Date: 5.AUG.2023 19:28:59

Highest Band Edge / Full RB

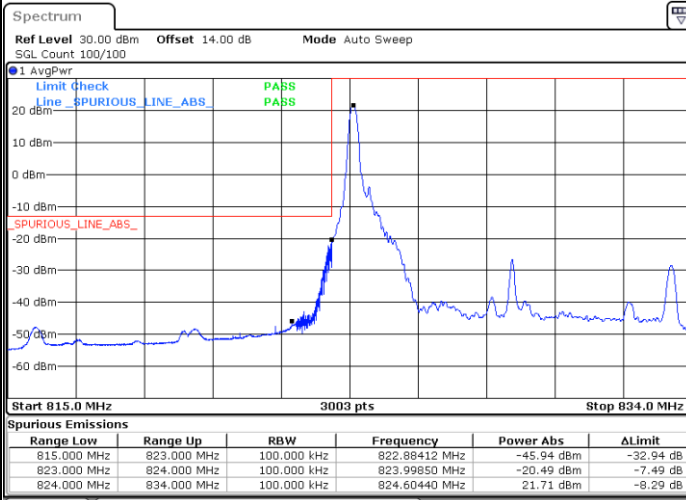


Date: 5.AUG.2023 19:34:48



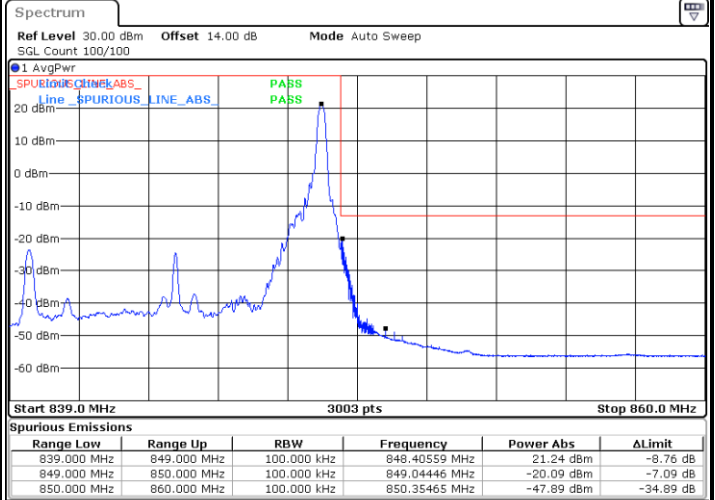
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1RB



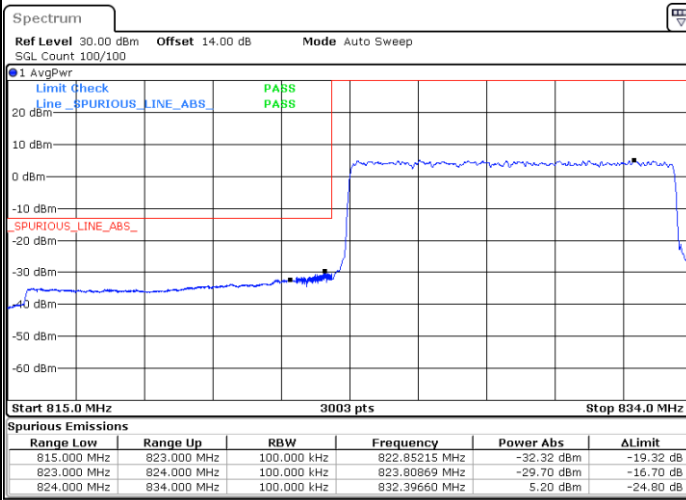
Date: 6.AUG.2023 19:01:19

Highest Band Edge / 1RB



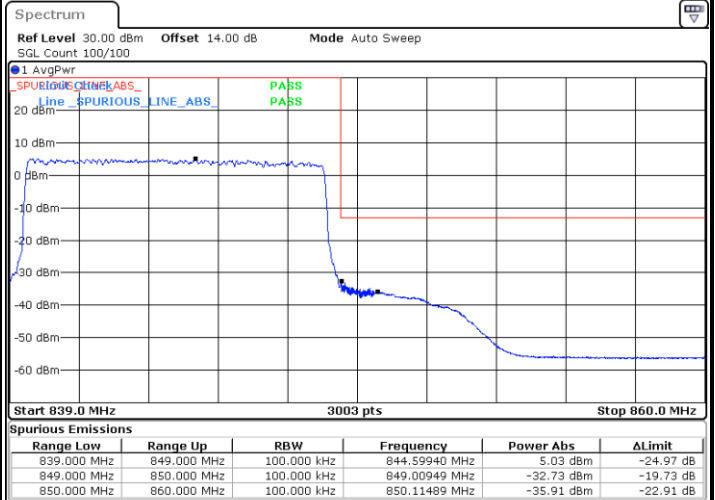
Date: 6.AUG.2023 19:06:57

Lowest Band Edge / Full RB



Date: 6.AUG.2023 19:06:01

Highest Band Edge / Full RB



Date: 6.AUG.2023 19:11:39