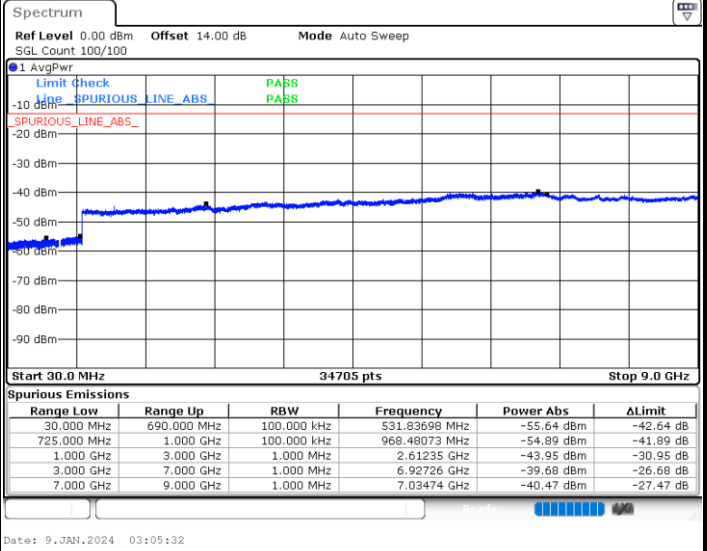
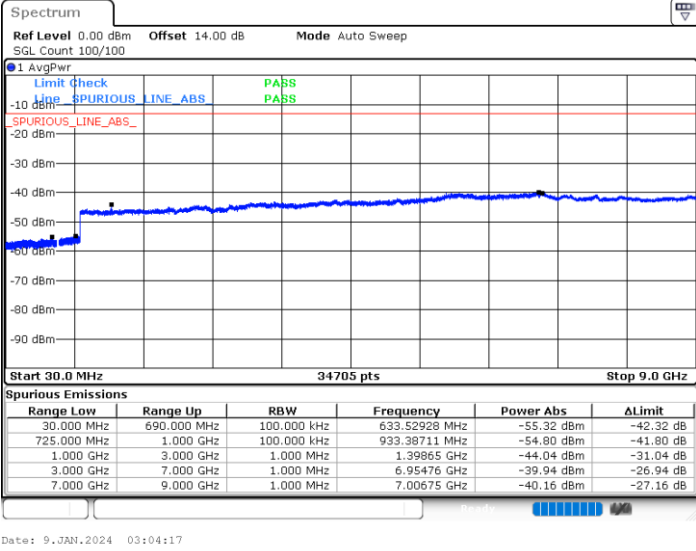




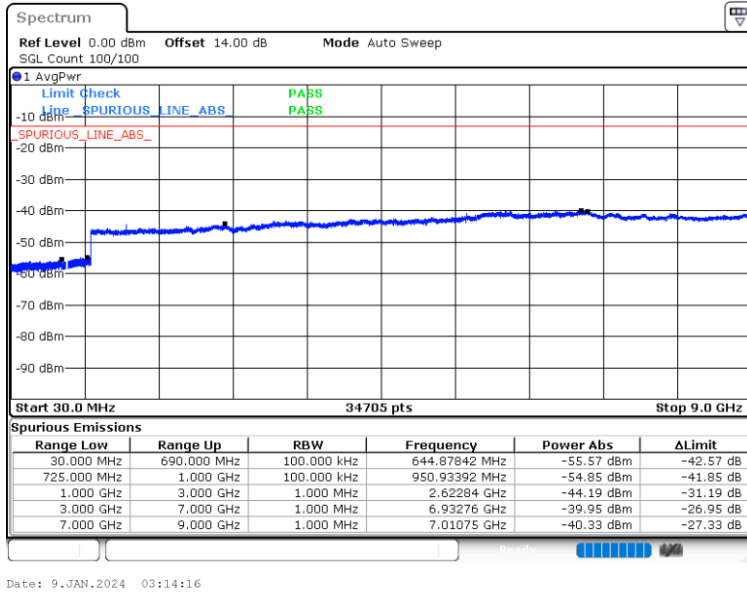
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

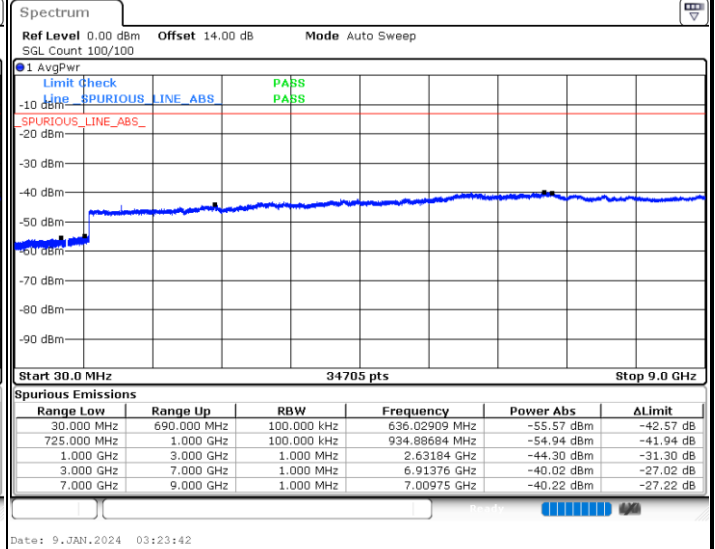
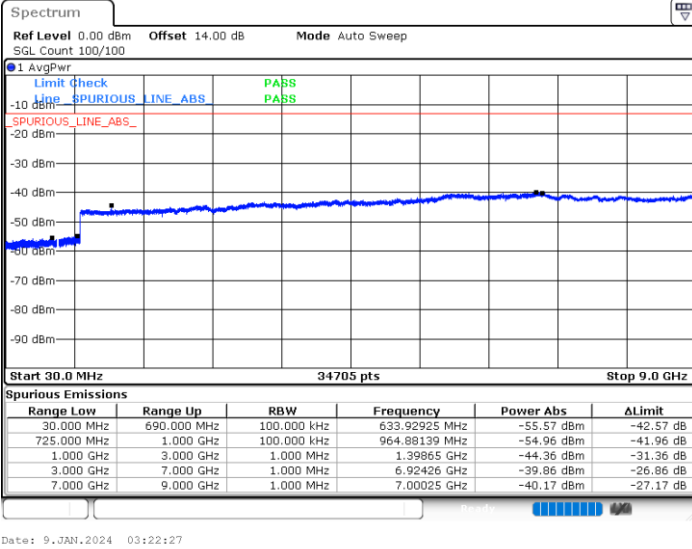




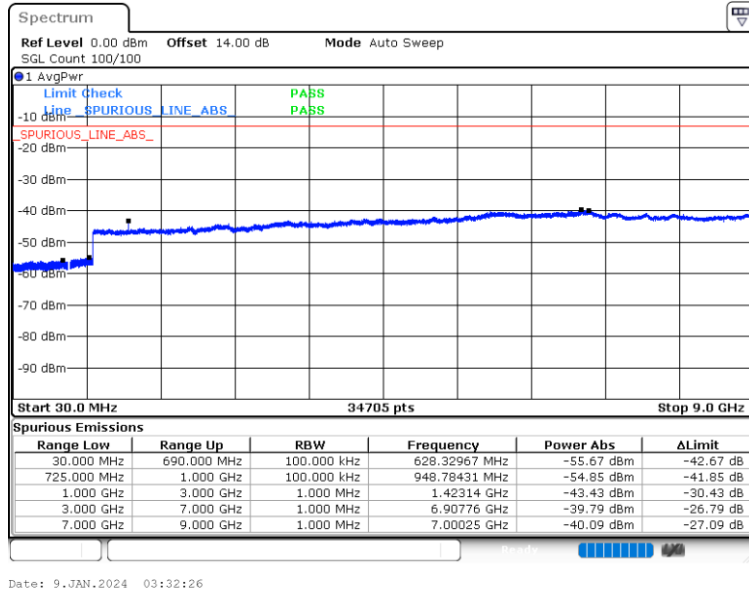
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



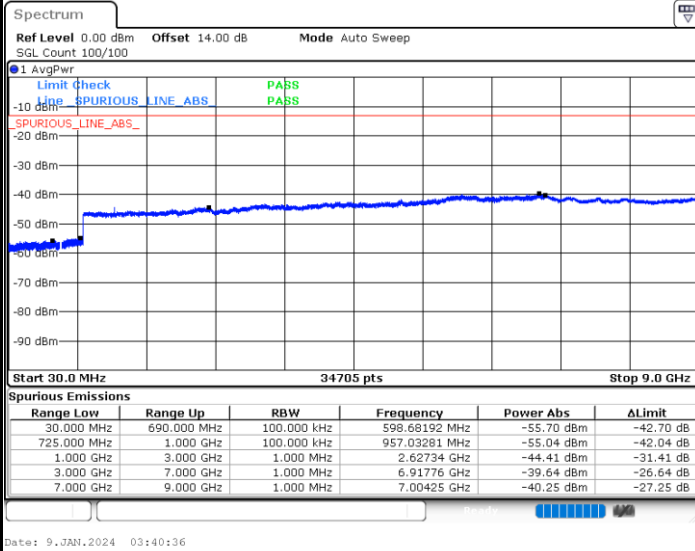
Highest Channel / QPSK



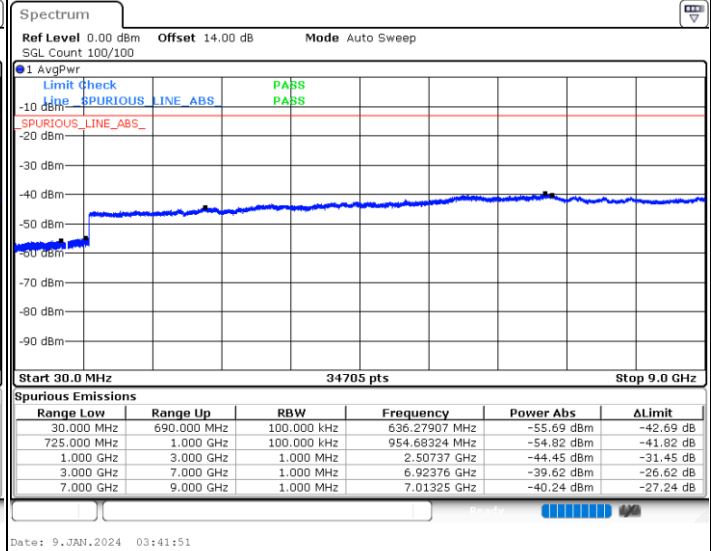


LTE Band 12 / 10MHz

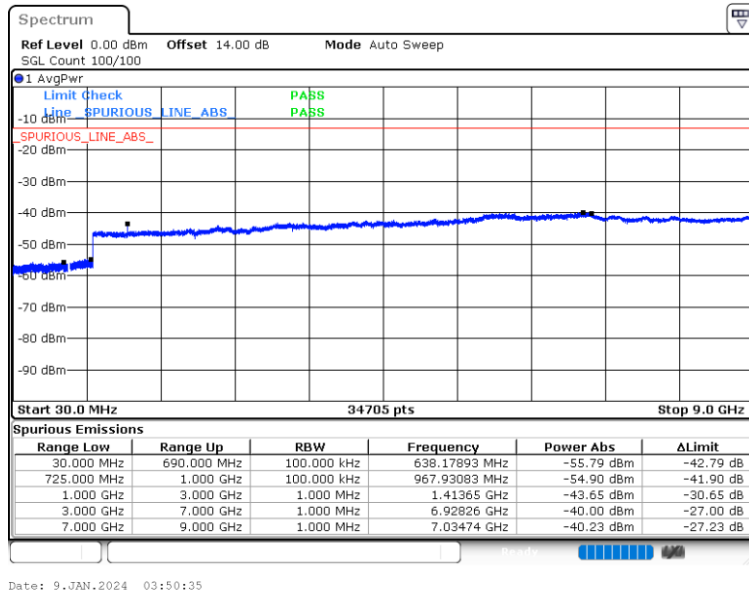
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

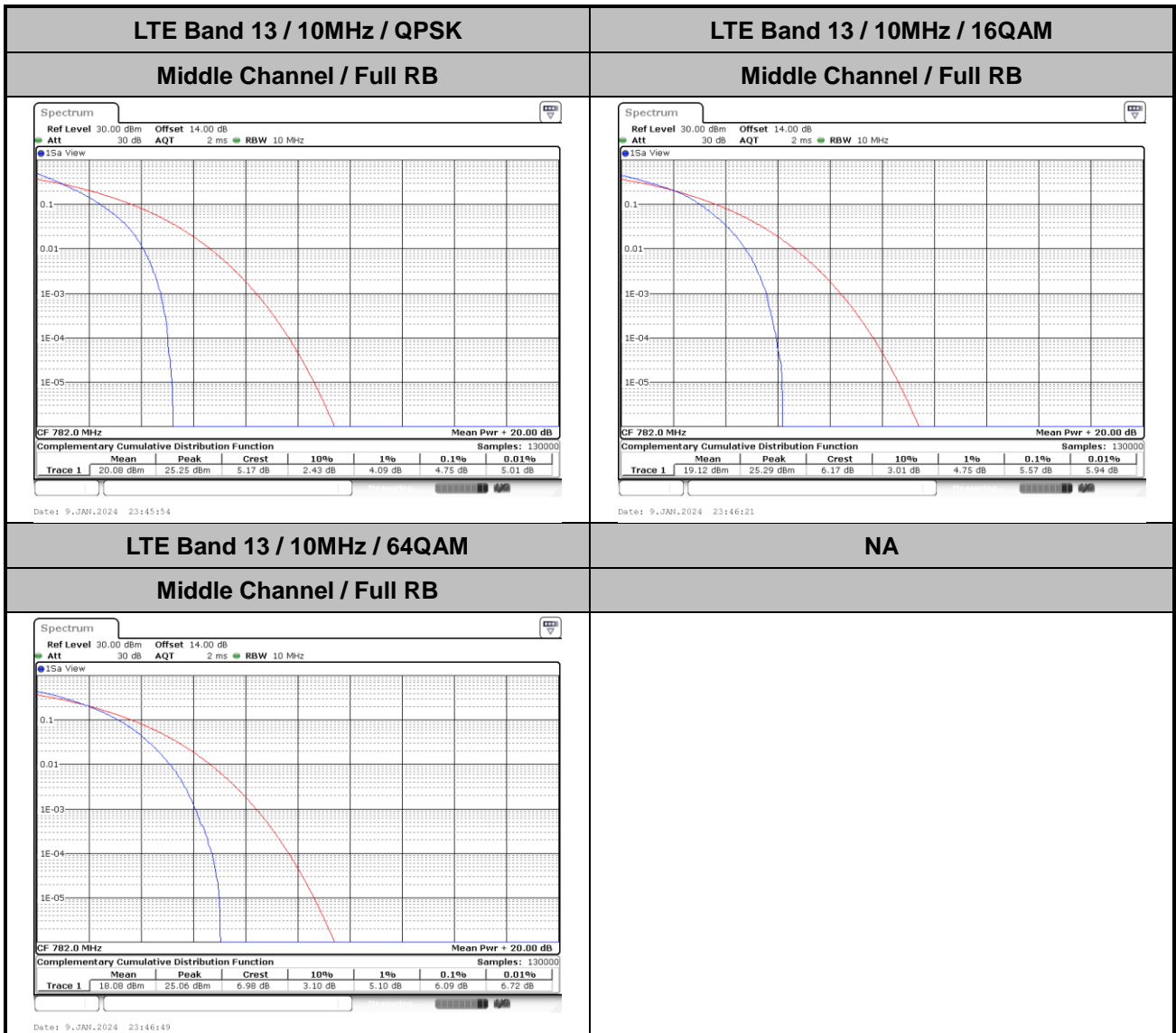
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

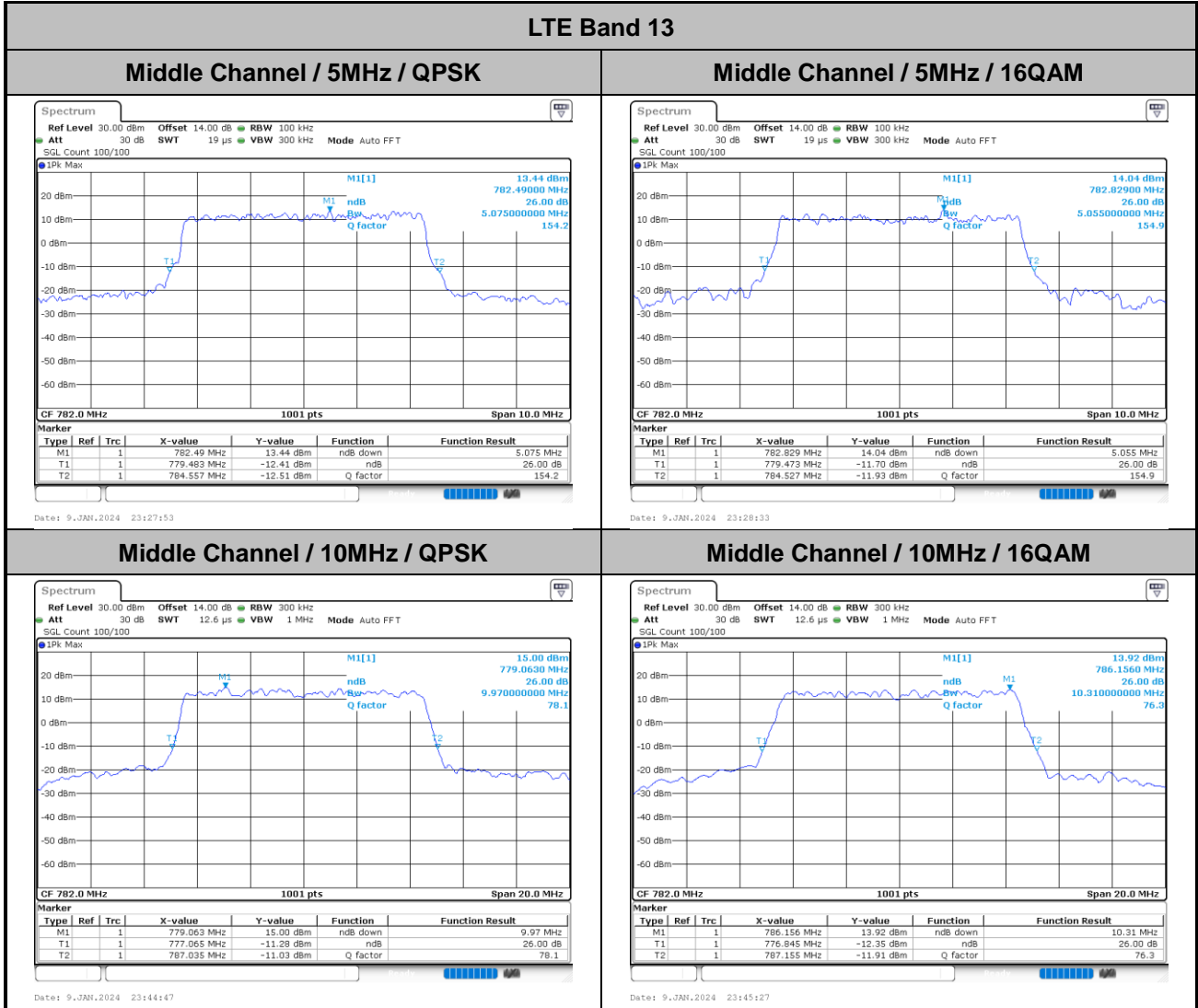
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.75	5.57	6.09	PASS





26dB Bandwidth

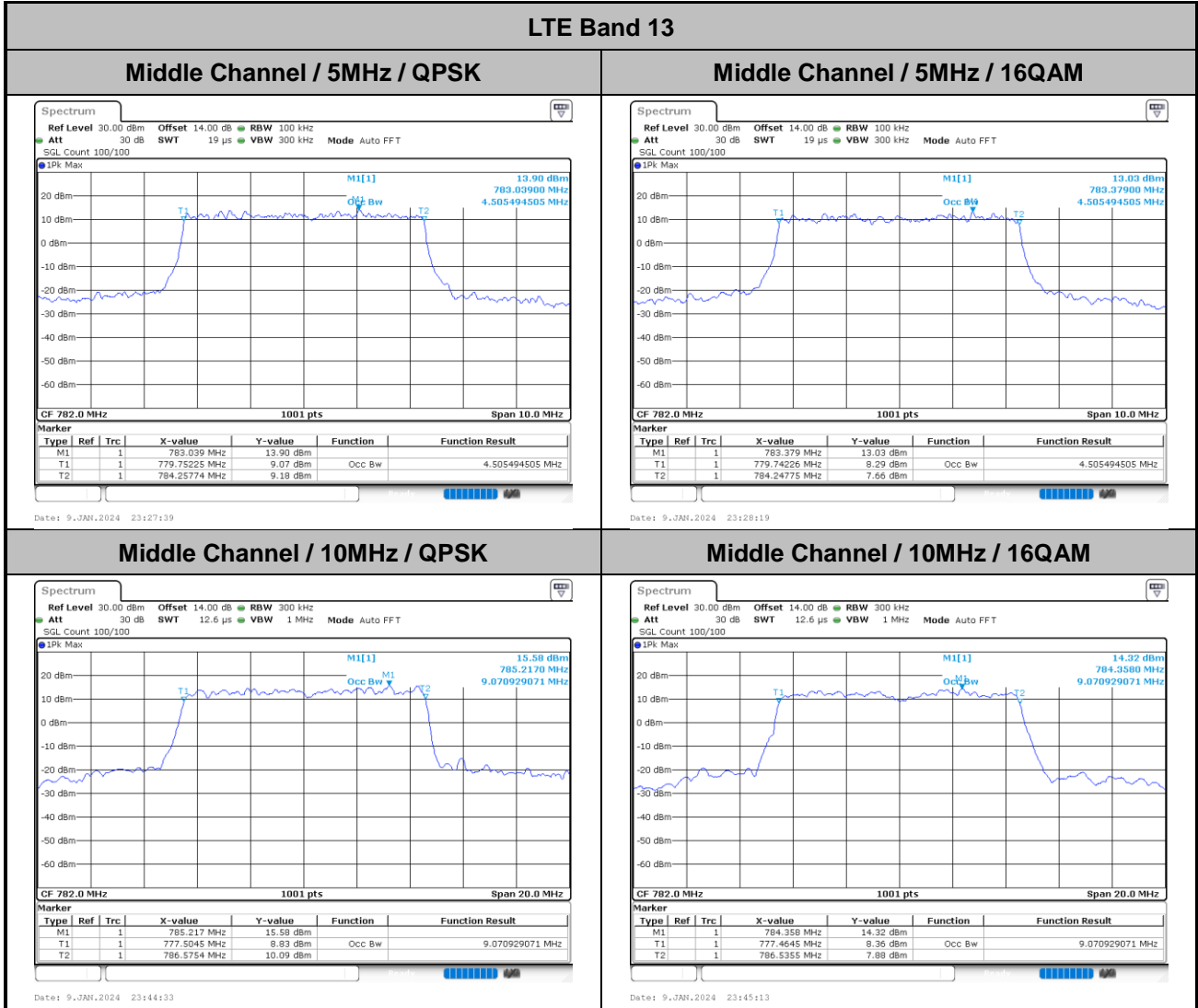
Mode	LTE Band 13 : 26dB BW(MHz)			
BW	5MHz		10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM
Middle CH	5.08	5.06	9.97	10.31





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)			
BW	5MHz		10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.51	9.07	9.07



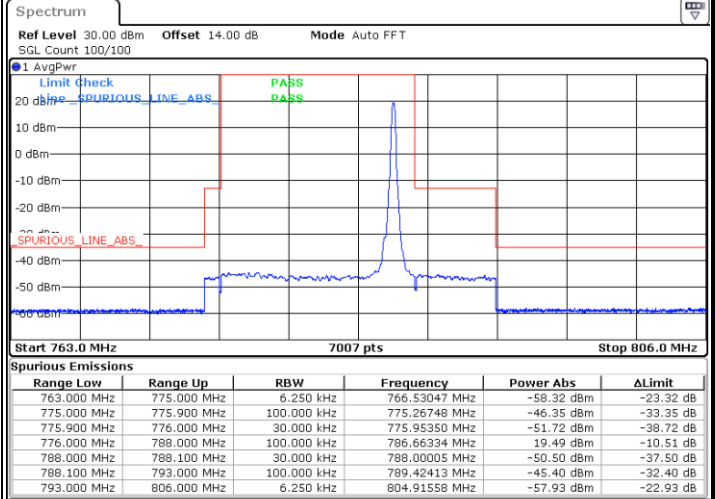
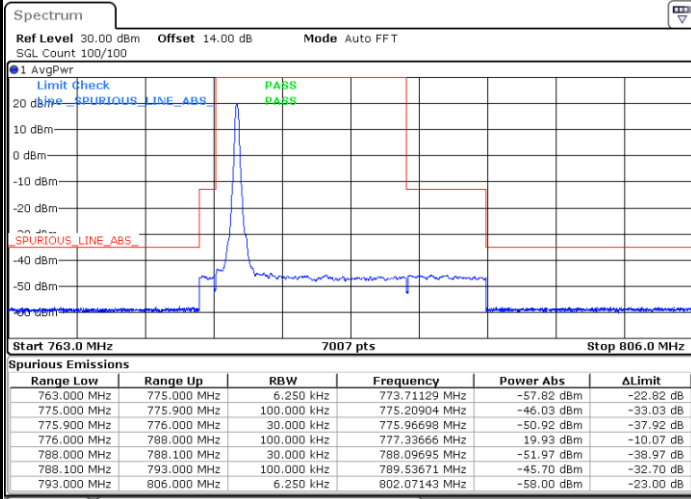


Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

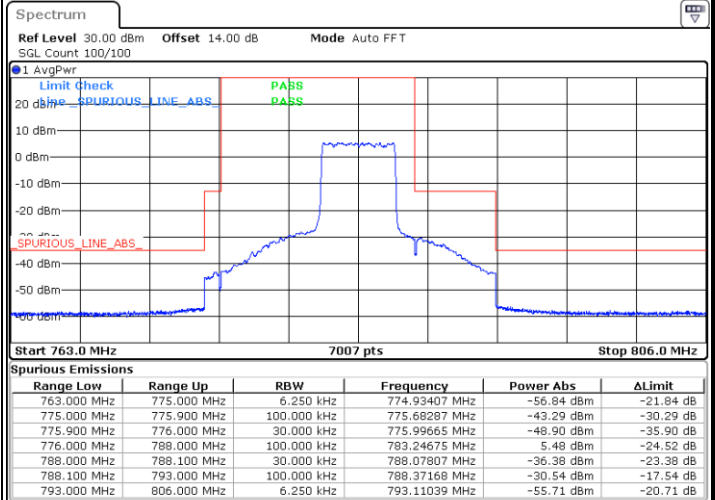
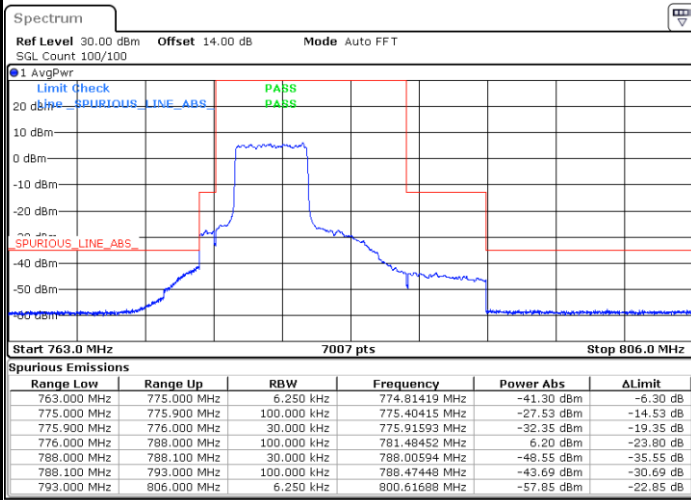


Date: 9.JAN.2024 23:20:53

Date: 9.JAN.2024 23:29:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.JAN.2024 23:23:28

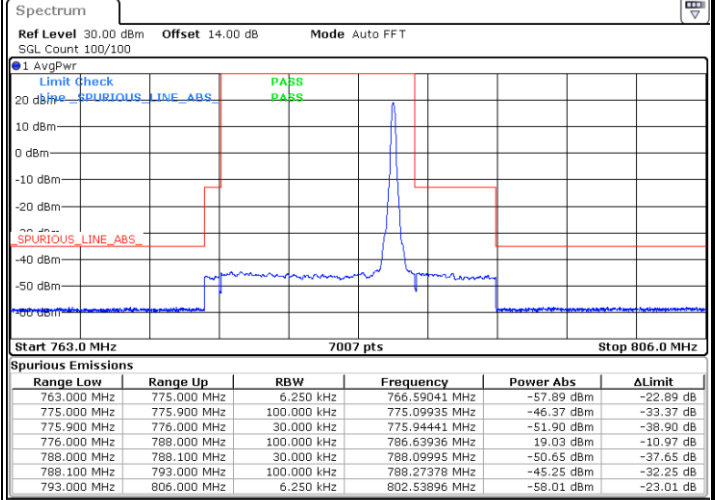
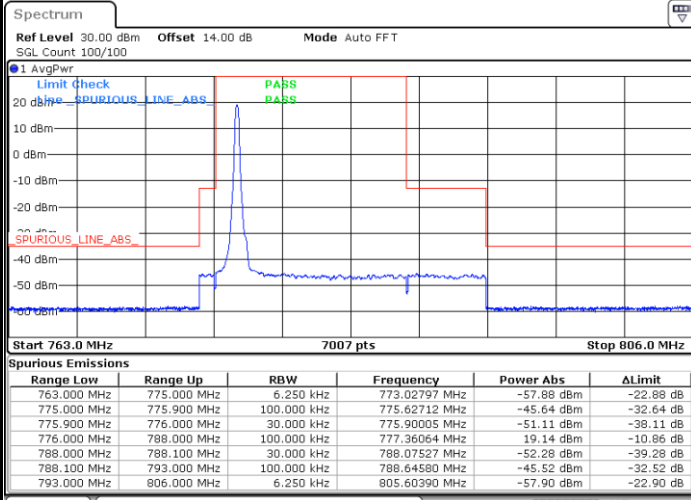
Date: 9.JAN.2024 23:31:58



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

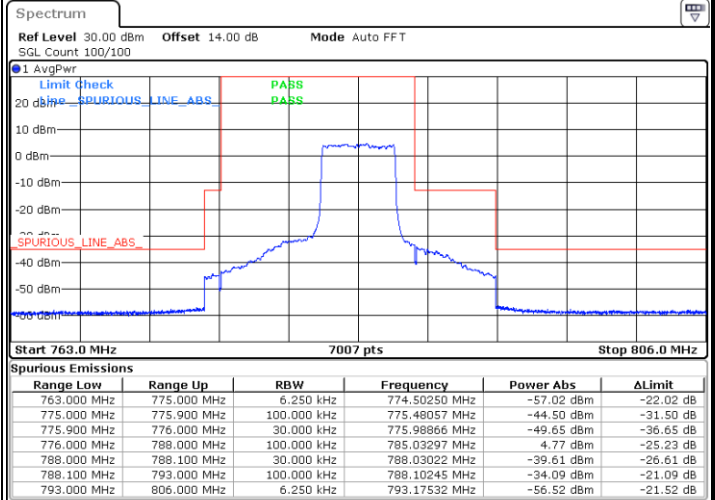
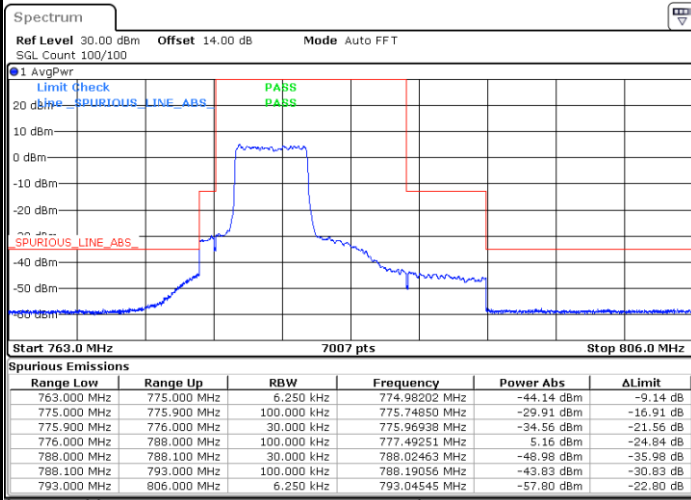


Date: 9.JAN.2024 23:21:45

Date: 9.JAN.2024 23:30:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.JAN.2024 23:24:20

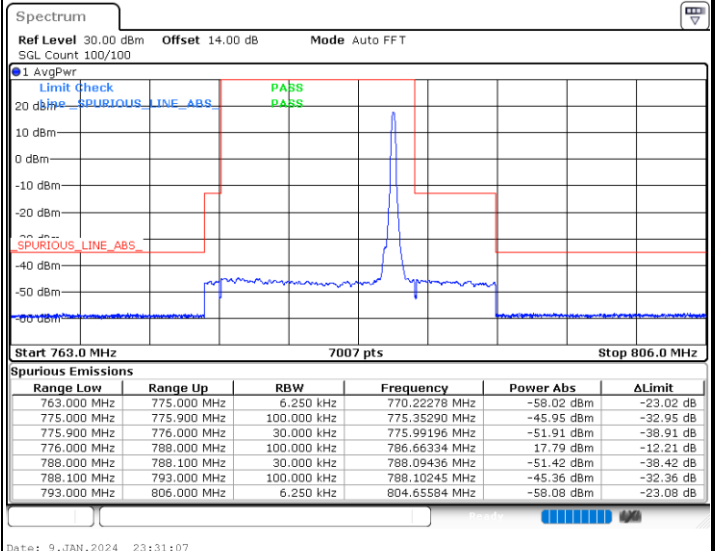
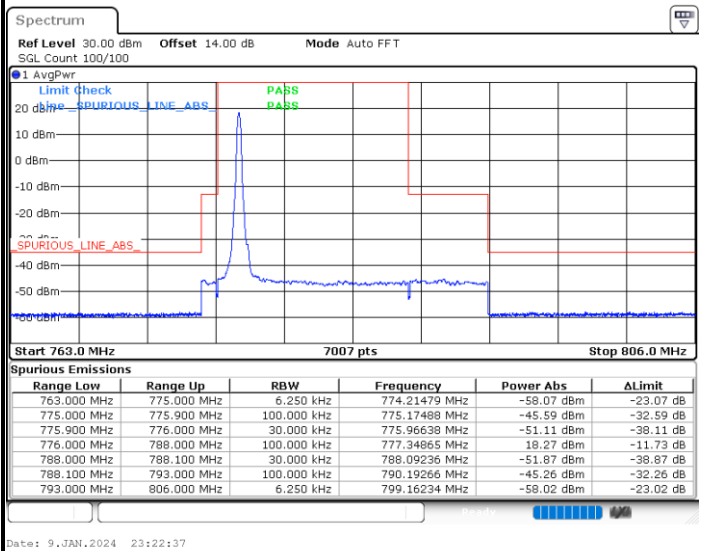
Date: 9.JAN.2024 23:32:50



LTE Band 13 / 5MHz / 64QAM

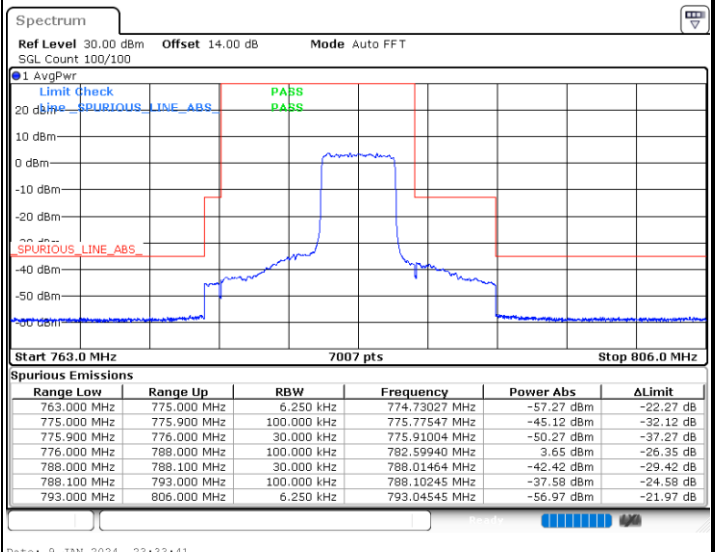
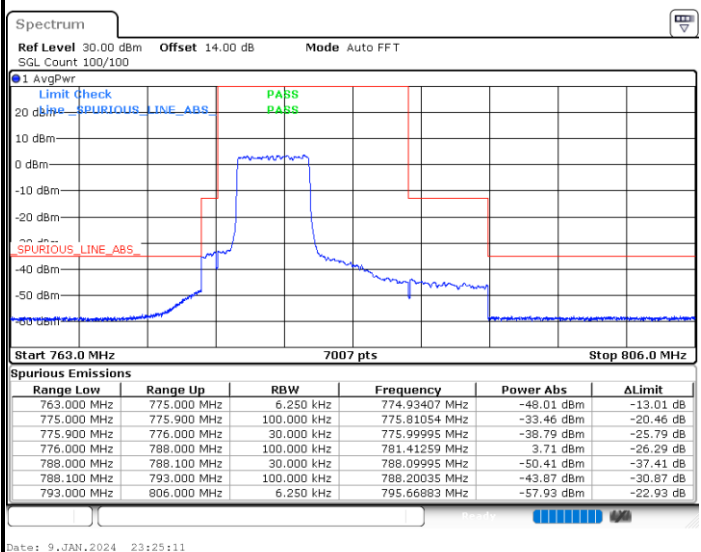
Lowest Band Edge / 1 RB

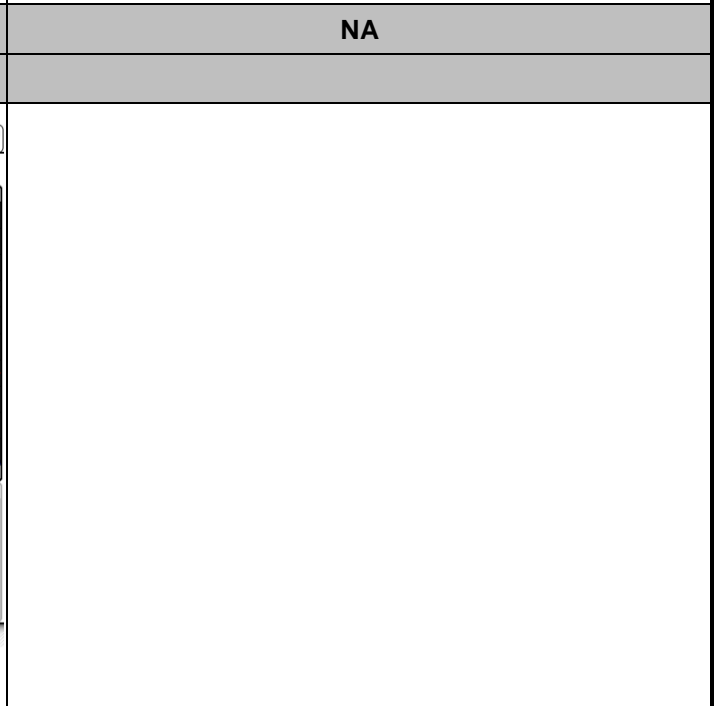
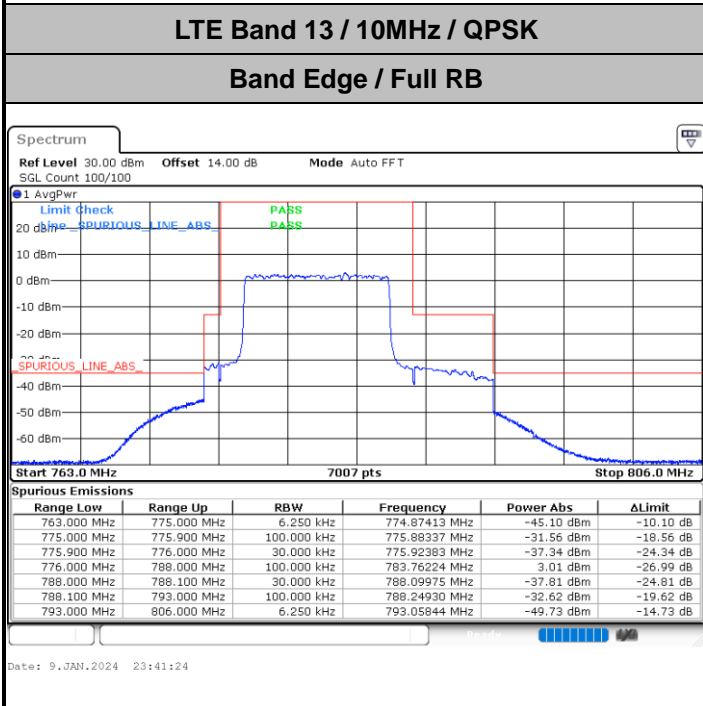
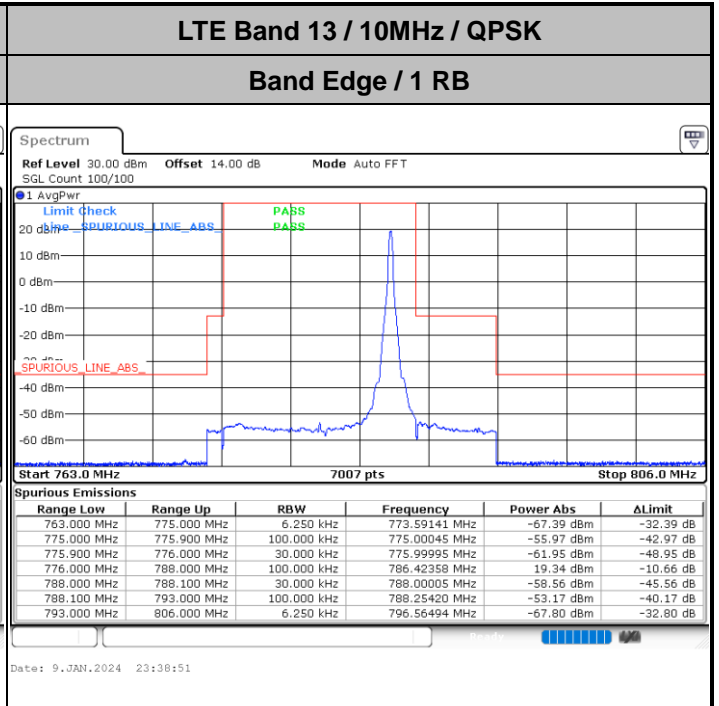
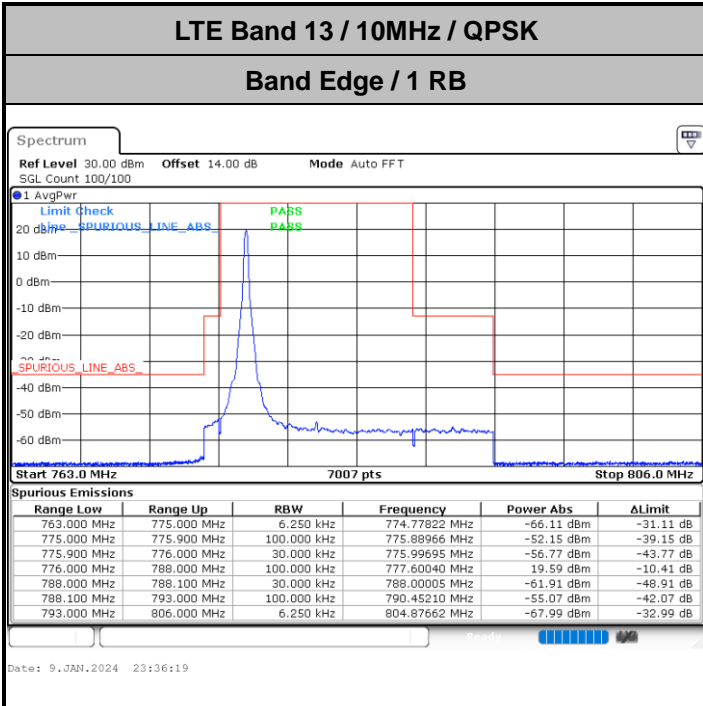
Highest Band Edge / 1 RB

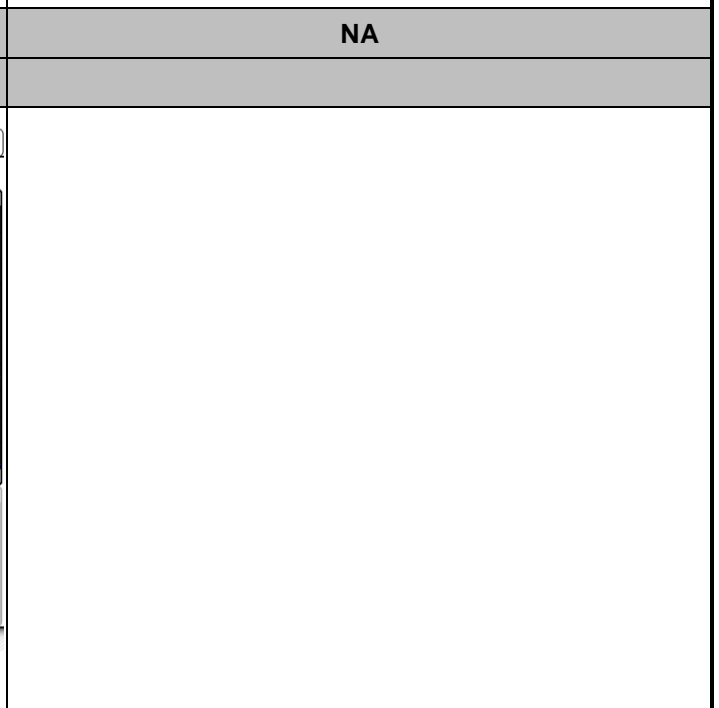
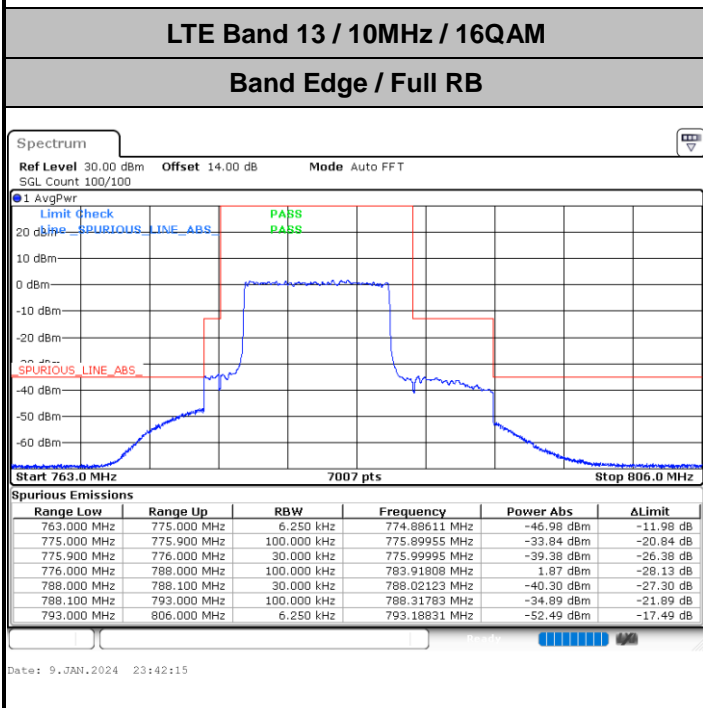
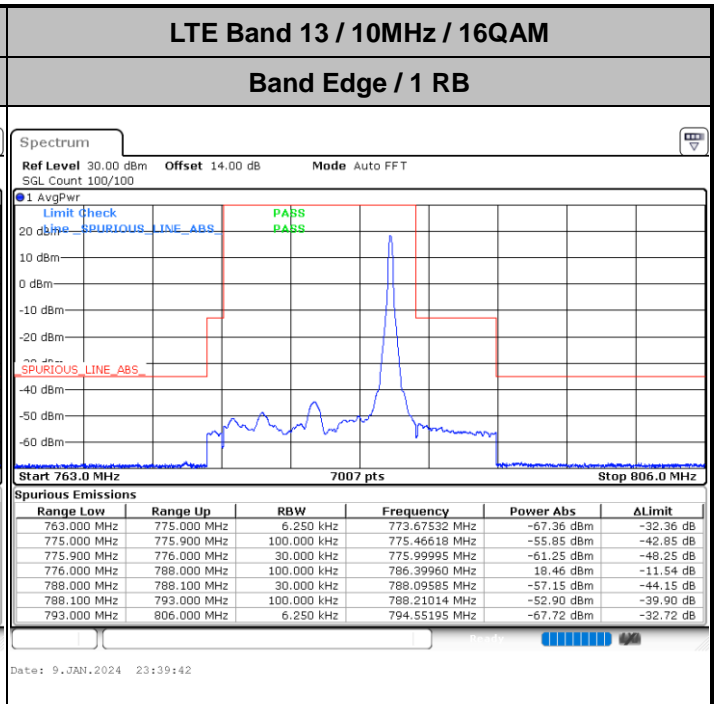
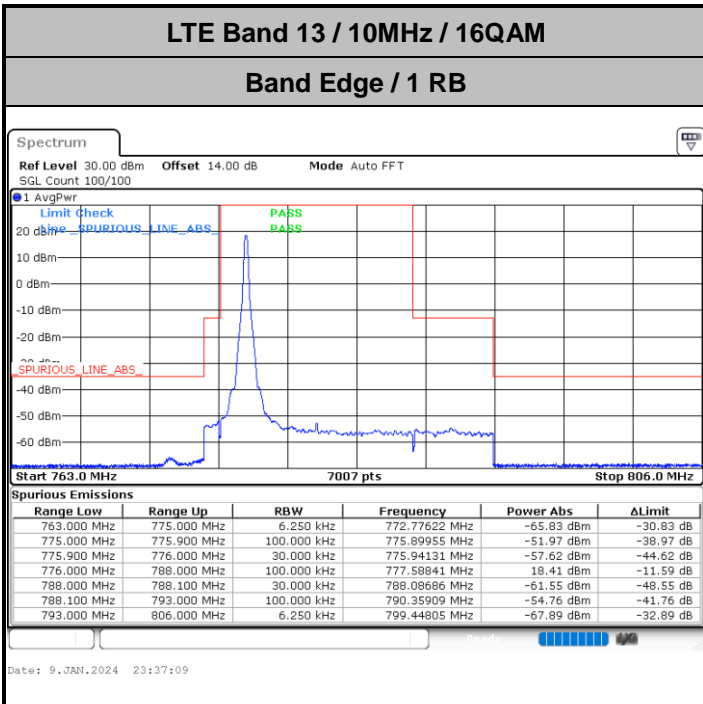


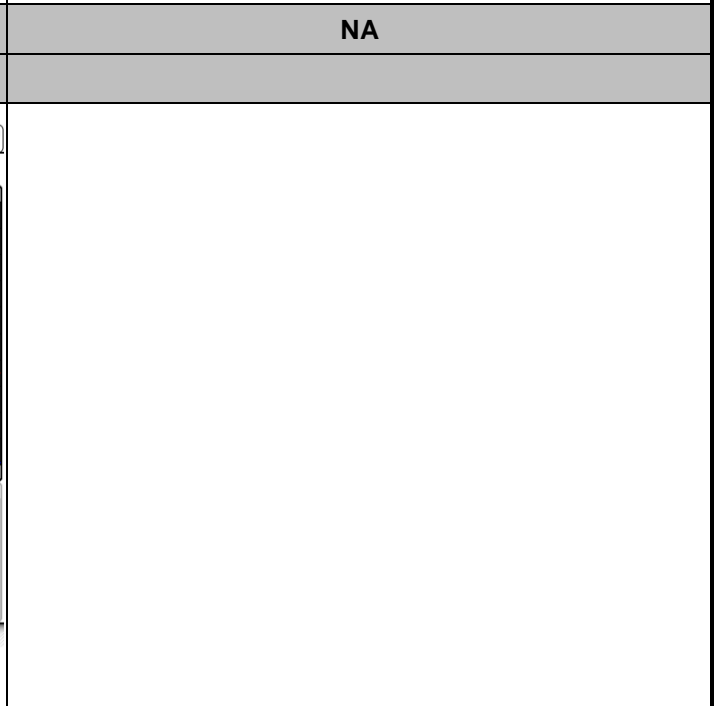
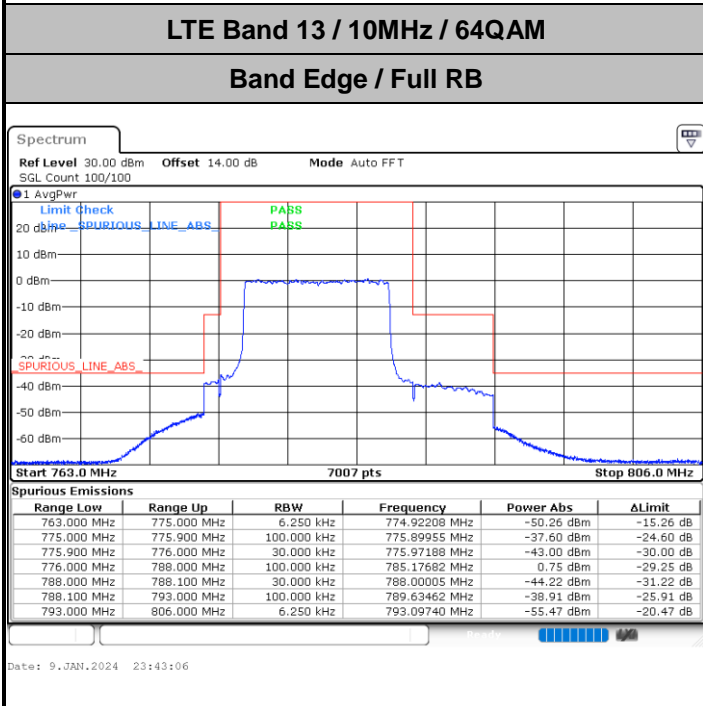
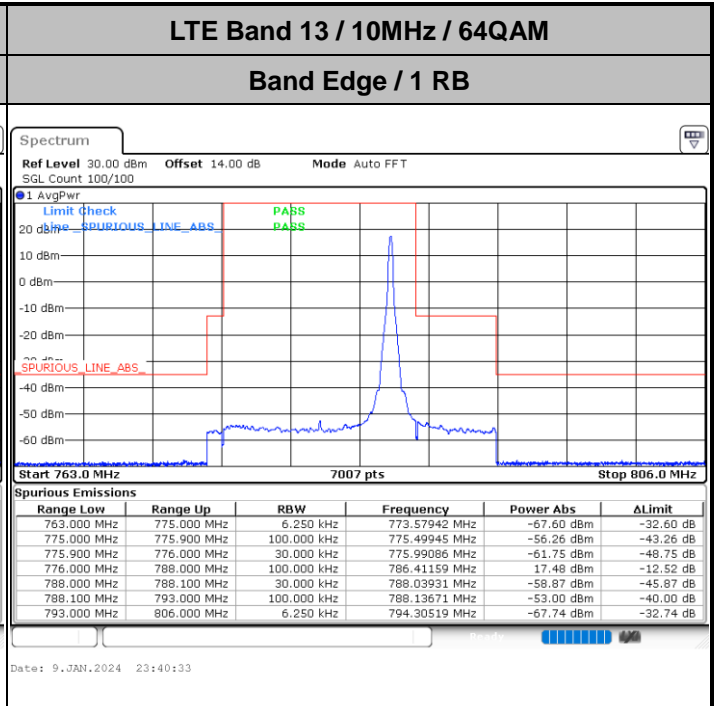
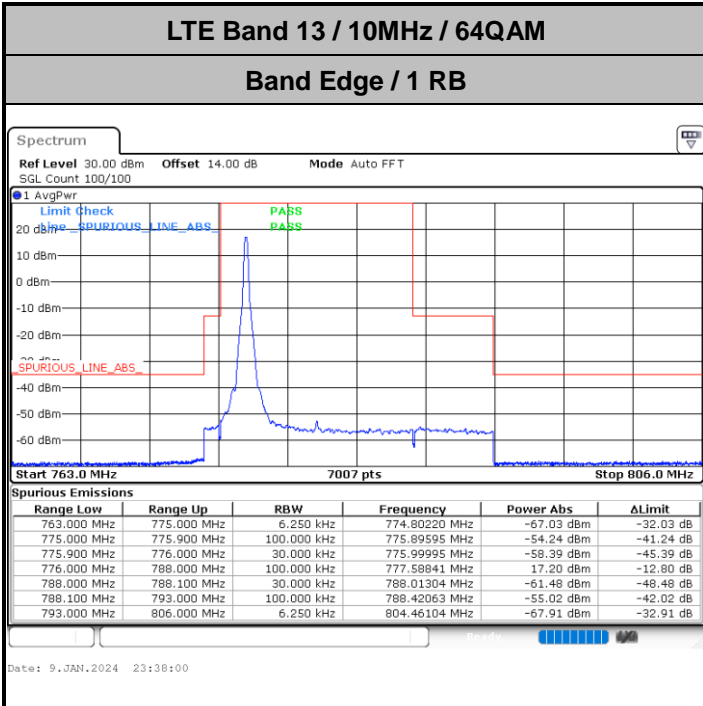
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



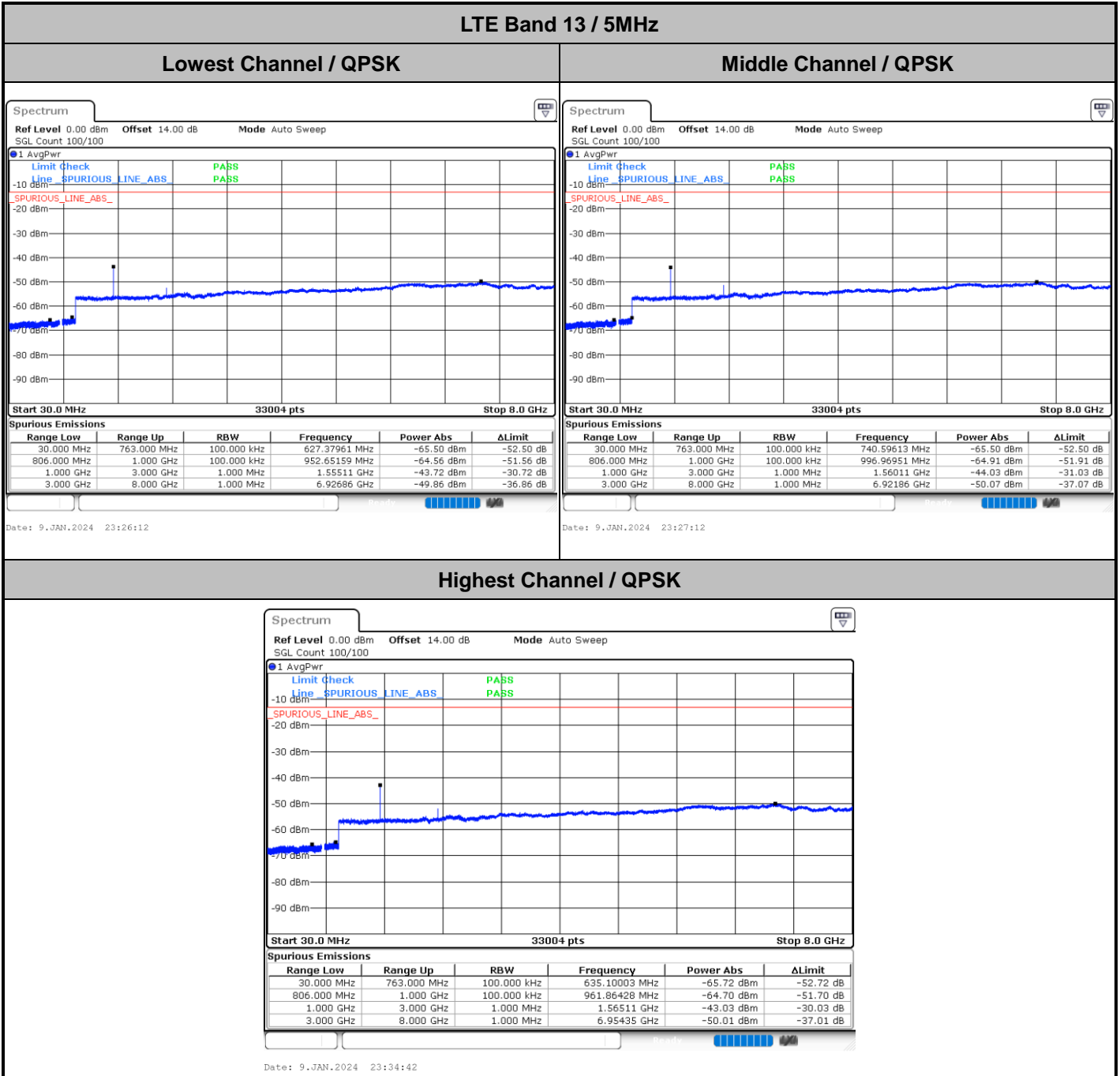








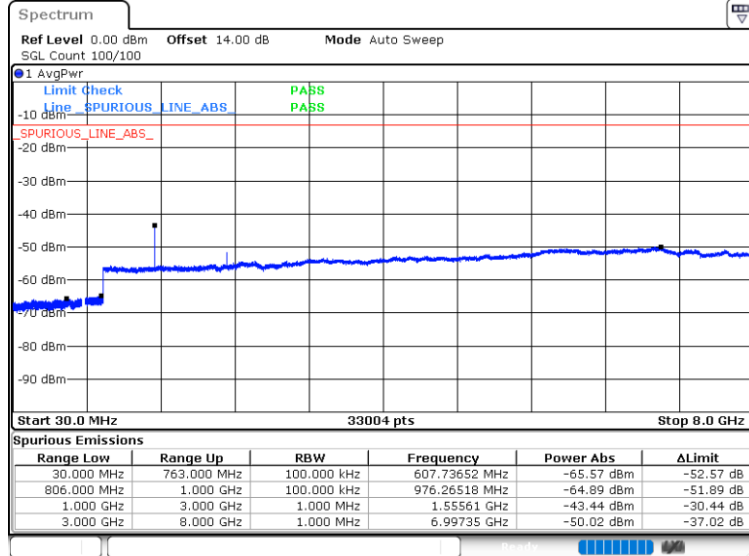
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 9-JAN-2024 23:44:06



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	0.0004	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

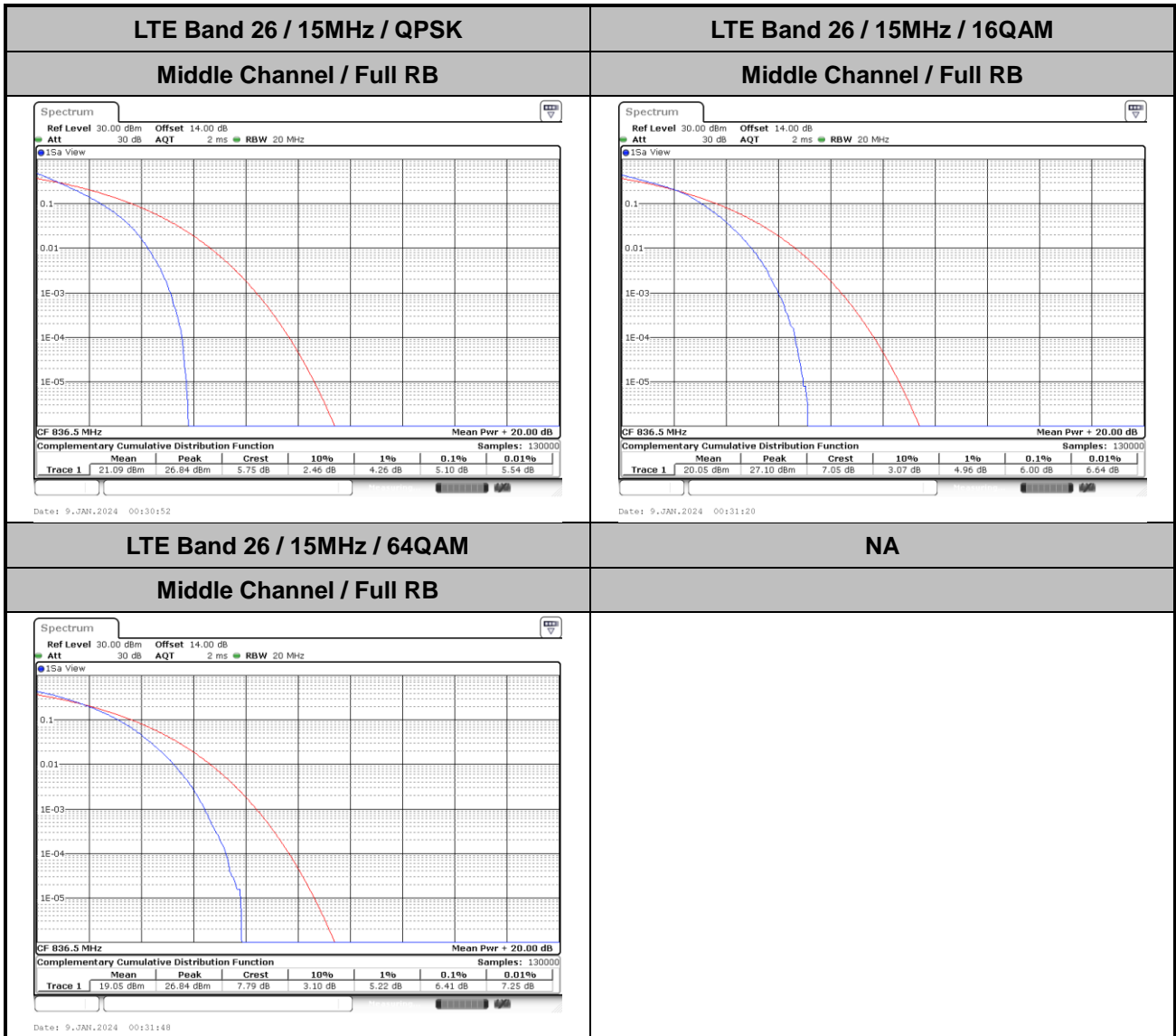
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	5.10	6.00	6.41	PASS





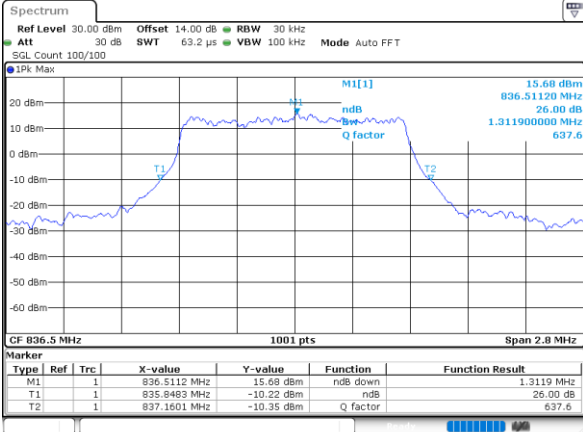
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)									
	1.4MHz		3MHz		5MHz		10MHz		15MHz	
BW										
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.31	1.33	3.05	3.07	4.97	5.06	9.89	10.09	14.54	14.78



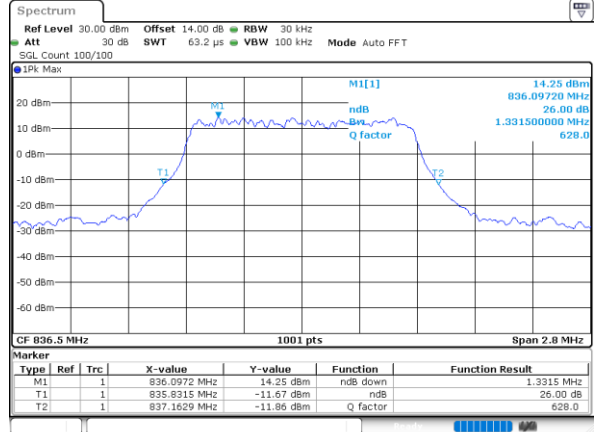
LTE Band 26

Middle Channel / 1.4MHz / QPSK



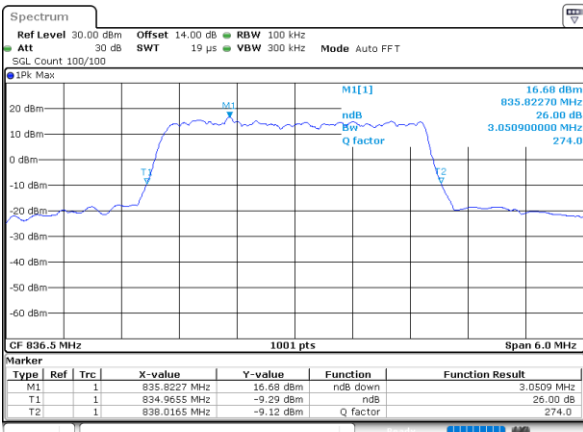
Date: 8, JAN, 2024 23:26:19

Middle Channel / 1.4MHz / 16QAM



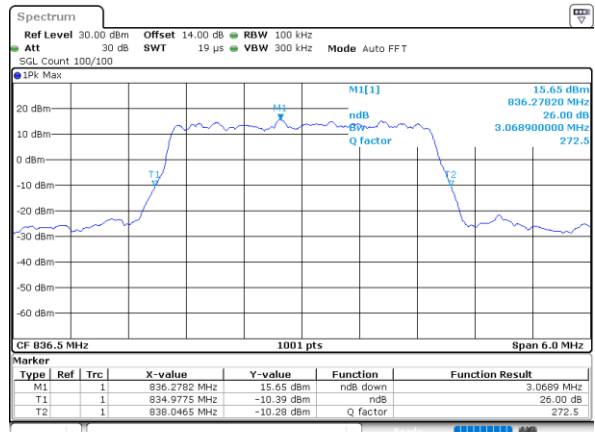
Date: 8, JAN, 2024 23:27:00

Middle Channel / 3MHz / QPSK



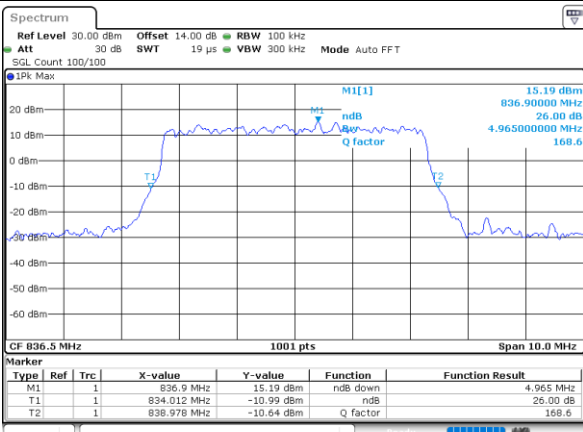
Date: 8, JAN, 2024 23:42:12

Middle Channel / 3MHz / 16QAM



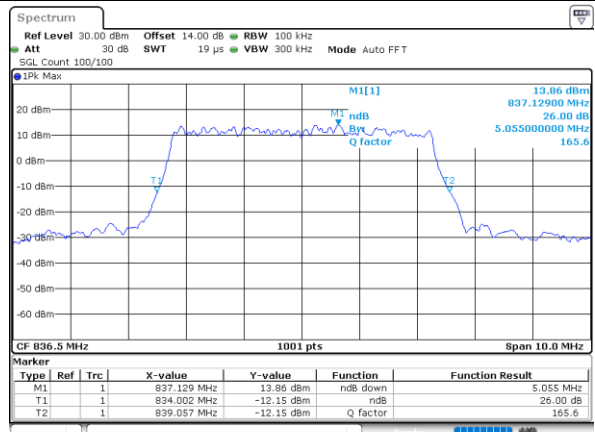
Date: 8, JAN, 2024 23:42:53

Middle Channel / 5MHz / QPSK



Date: 8, JAN, 2024 23:58:04

Middle Channel / 5MHz / 16QAM

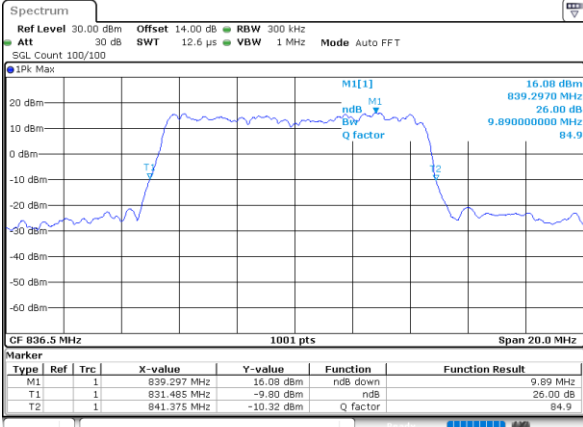


Date: 8, JAN, 2024 23:58:45



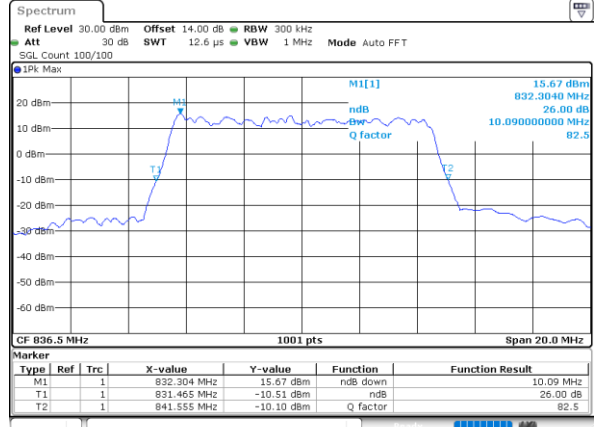
LTE Band 26

Middle Channel / 10MHz / QPSK



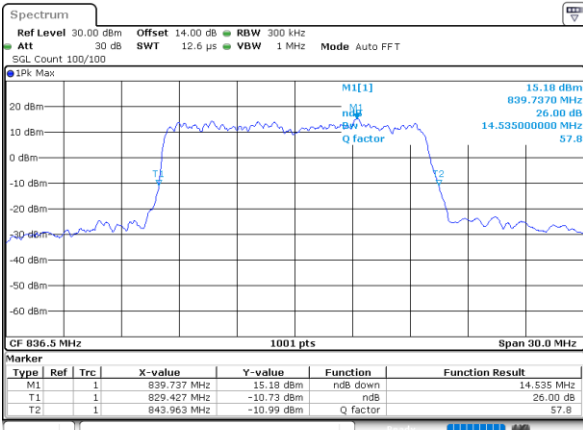
Date: 9, JAN, 2024 00:13:57

Middle Channel / 10MHz / 16QAM



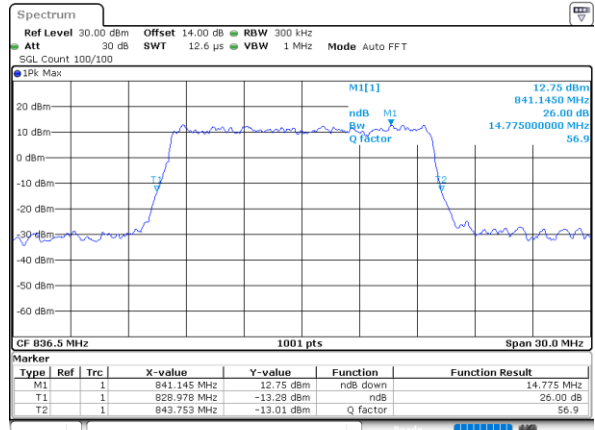
Date: 9, JAN, 2024 00:14:38

Middle Channel / 15MHz / QPSK



Date: 9, JAN, 2024 00:29:44

Middle Channel / 15MHz / 16QAM



Date: 9, JAN, 2024 00:30:25



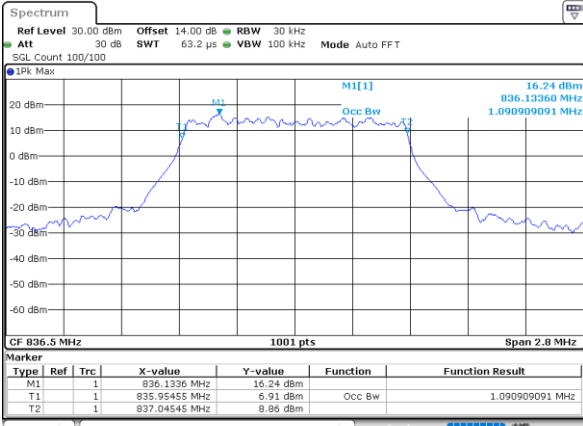
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26790	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.71	2.73	4.50	4.49	9.03	8.99	13.46	13.46	13.46	13.46

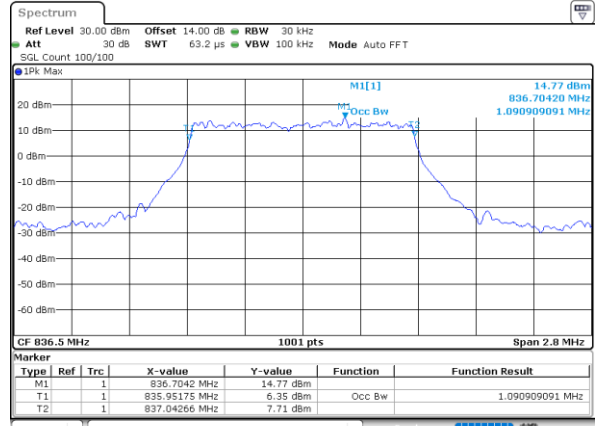


LTE Band 26

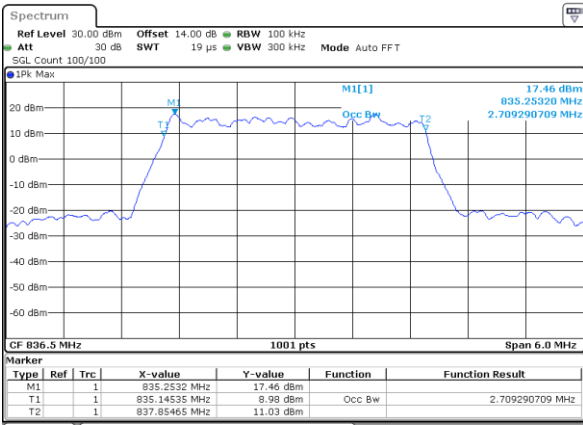
Middle Channel / 1.4MHz / QPSK



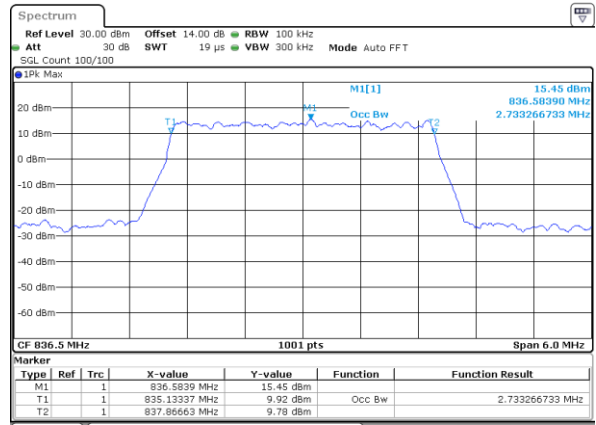
Middle Channel / 1.4MHz / 16QAM



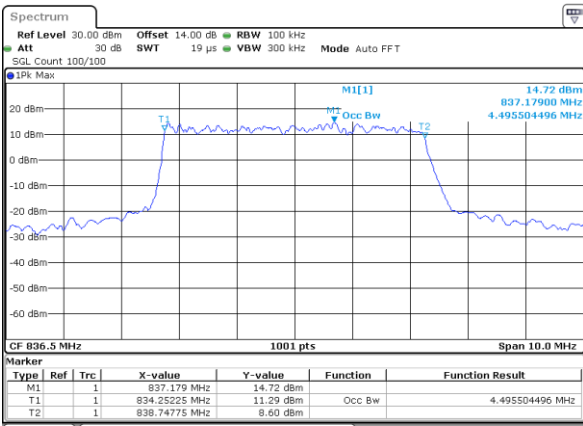
Middle Channel / 3MHz / QPSK



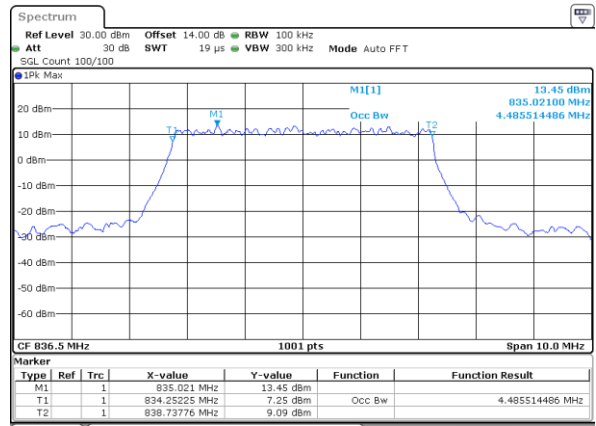
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



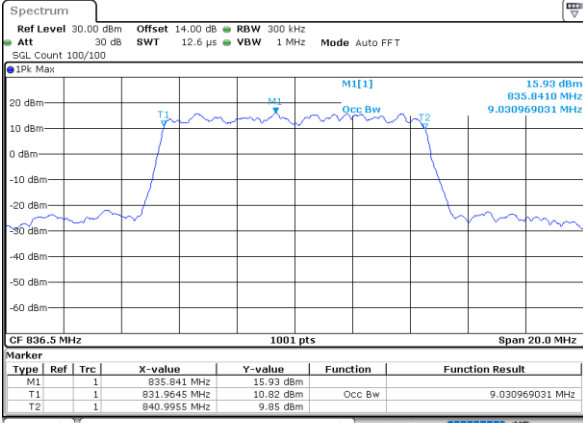
Middle Channel / 5MHz / 16QAM





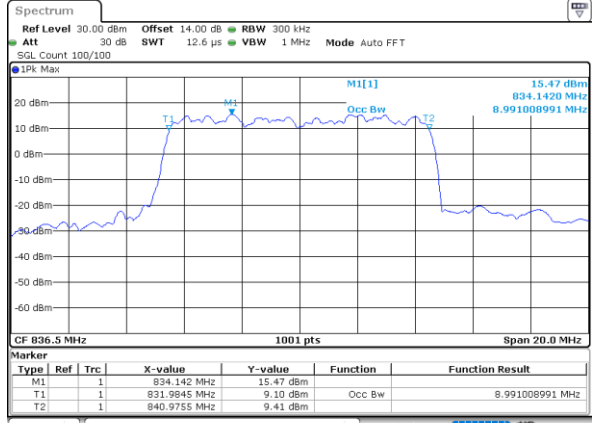
LTE Band 26

Middle Channel / 10MHz / QPSK



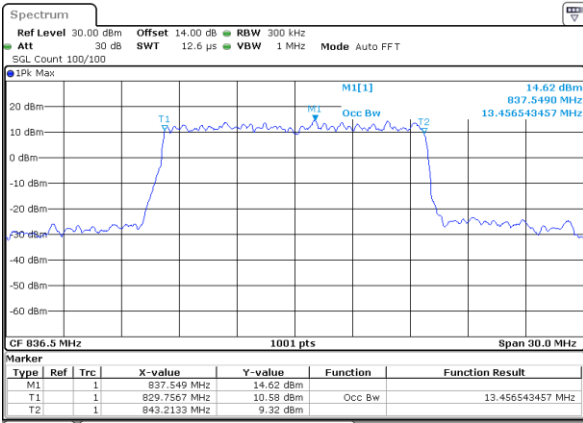
Date: 9, JAN, 2024 00:13:43

Middle Channel / 10MHz / 16QAM



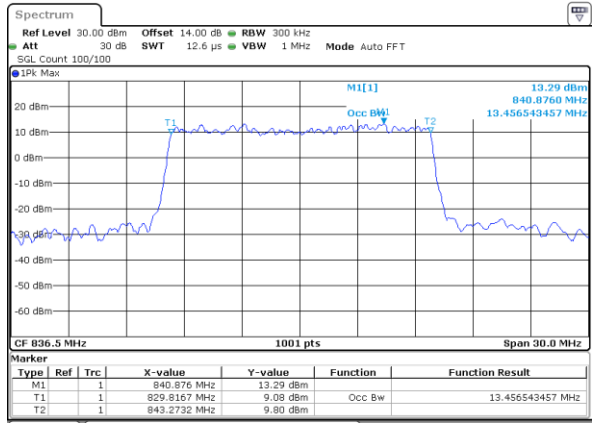
Date: 9, JAN, 2024 00:14:24

Middle Channel / 15MHz / QPSK



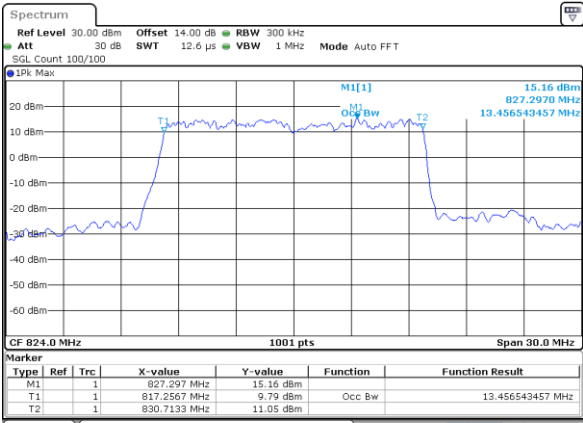
Date: 9, JAN, 2024 00:29:30

Middle Channel / 15MHz / 16QAM



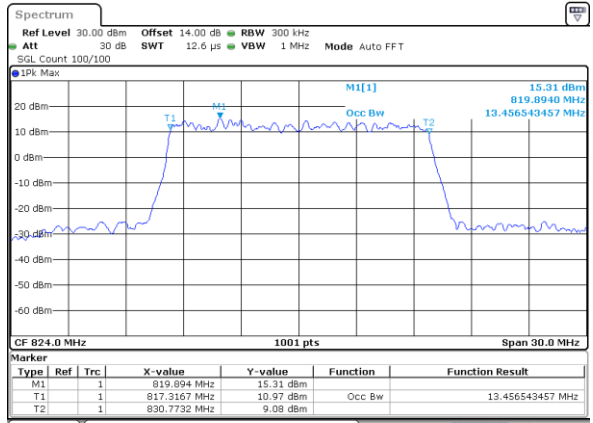
Date: 9, JAN, 2024 00:30:11

CH26790 / QPSK



Date: 16, JAN, 2024 22:26:24

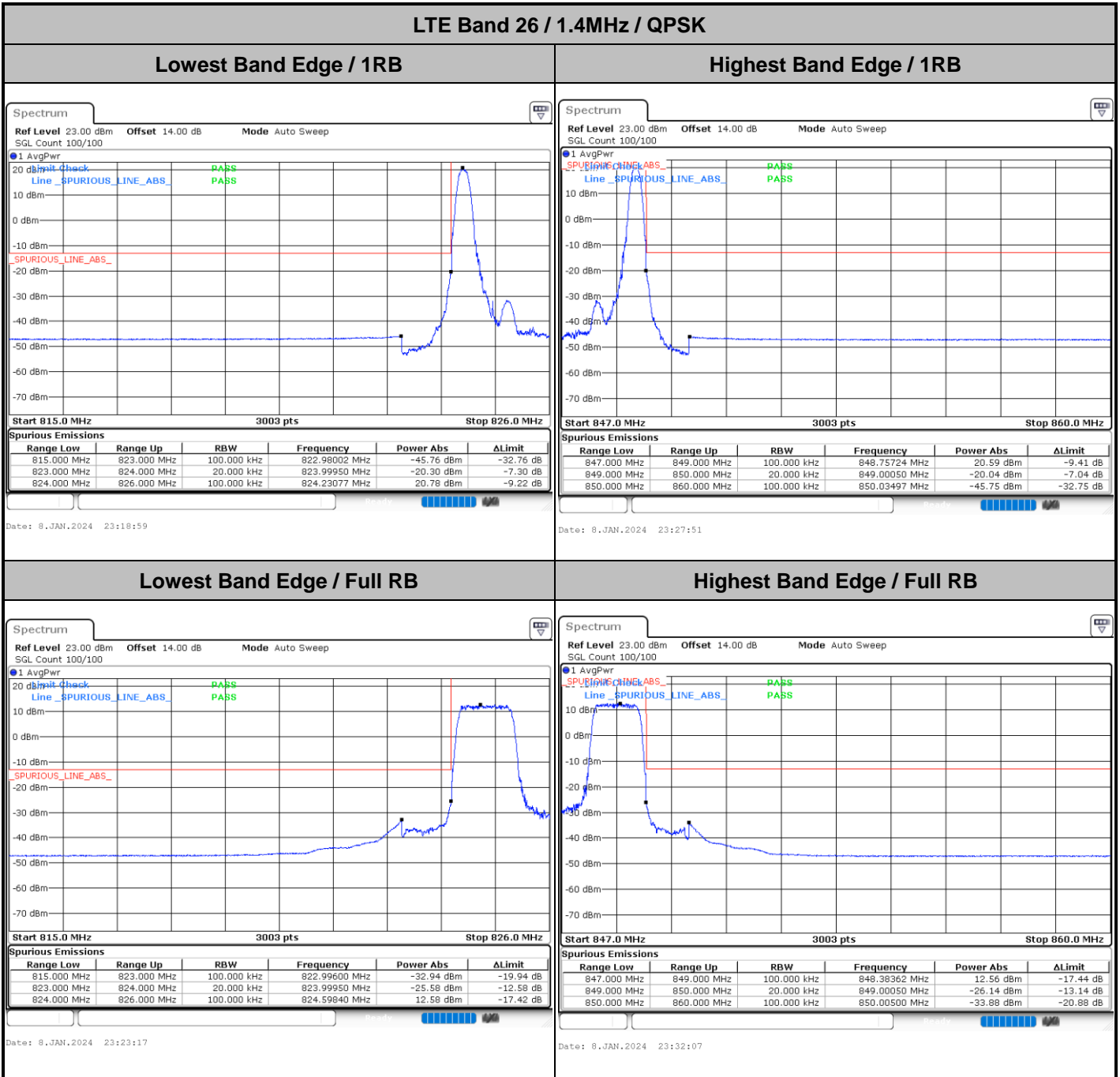
CH26790 / 16QAM



Date: 16, JAN, 2024 22:26:51



Conducted Band Edge

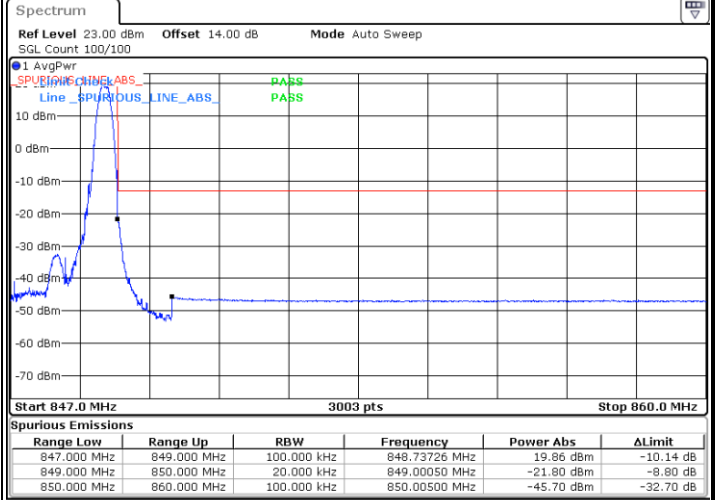
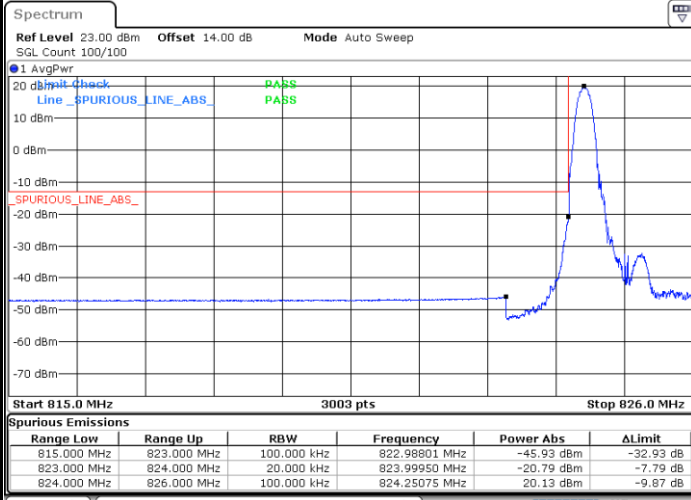




LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

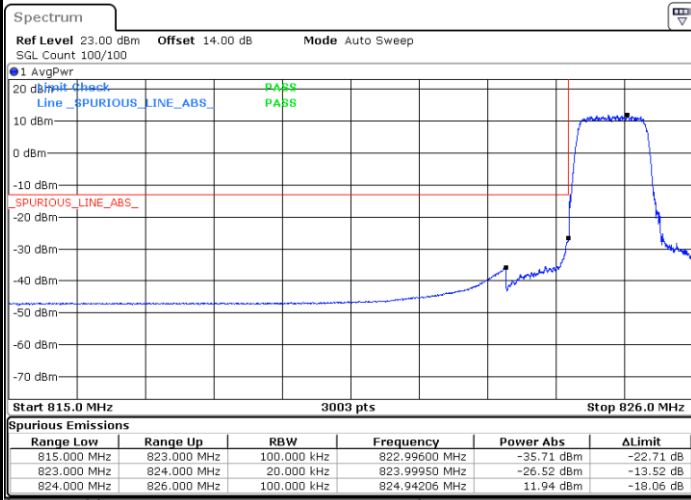


Date: 8.JAN.2024 23:19:51

Date: 8.JAN.2024 23:28:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



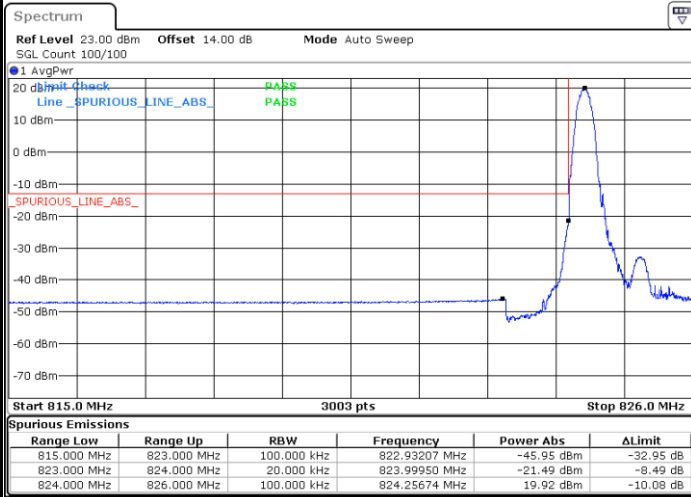
Date: 8.JAN.2024 23:22:26

Date: 8.JAN.2024 23:31:16



LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



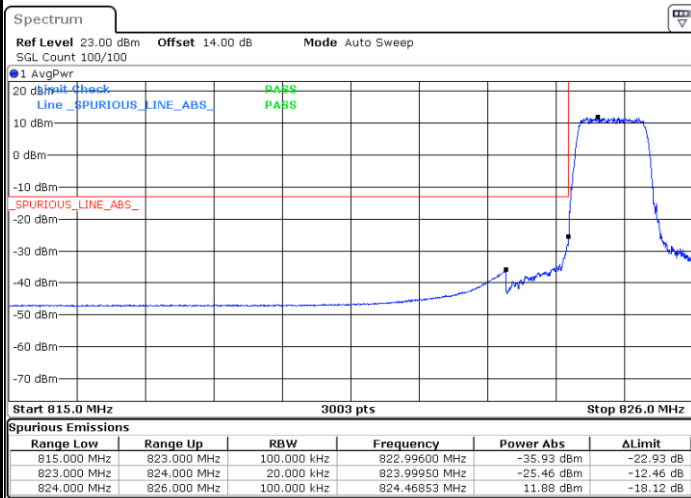
Date: 8.JAN.2024 23:20:42

Highest Band Edge / 1 RB



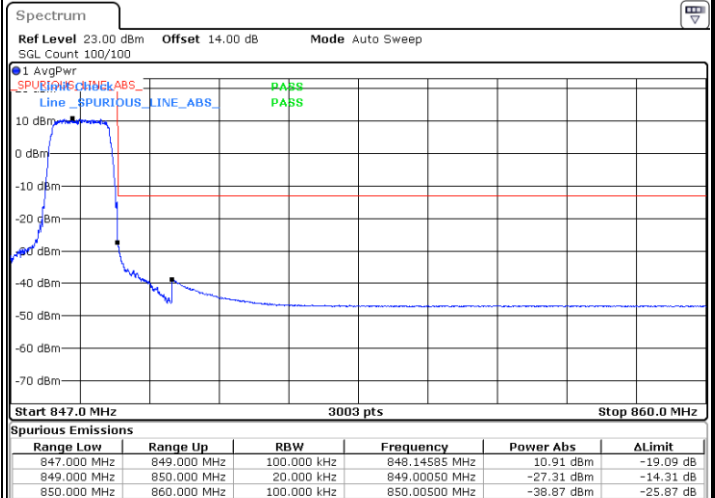
Date: 8.JAN.2024 23:29:33

Lowest Band Edge / Full RB



Date: 8.JAN.2024 23:21:34

Highest Band Edge / Full RB

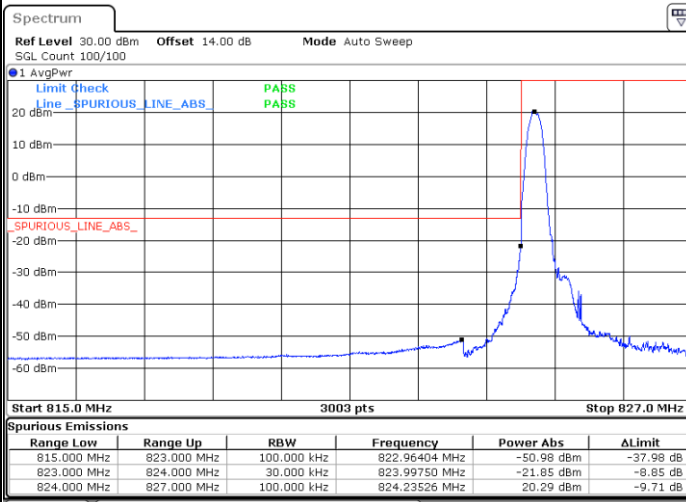


Date: 8.JAN.2024 23:30:24



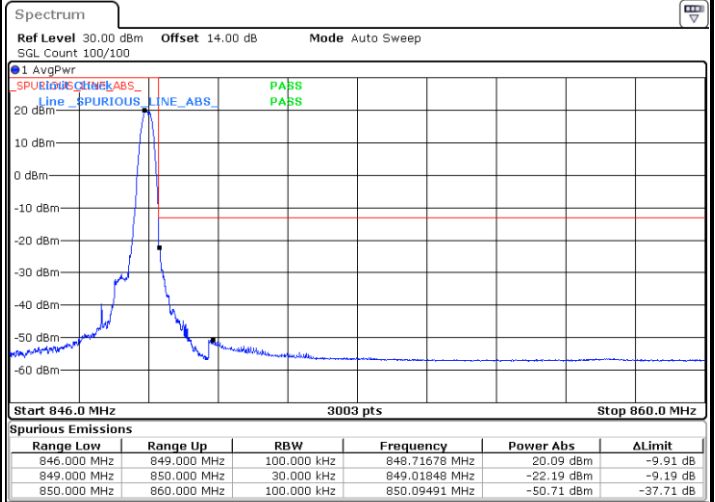
LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB



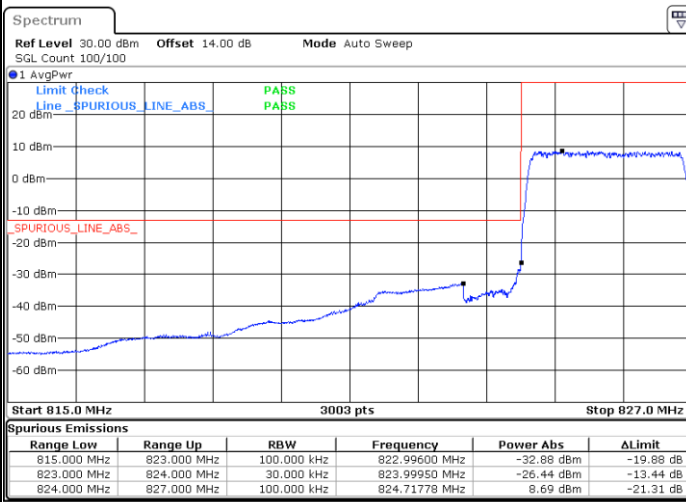
Date: 8.JAN.2024 23:34:54

Highest Band Edge / 1RB



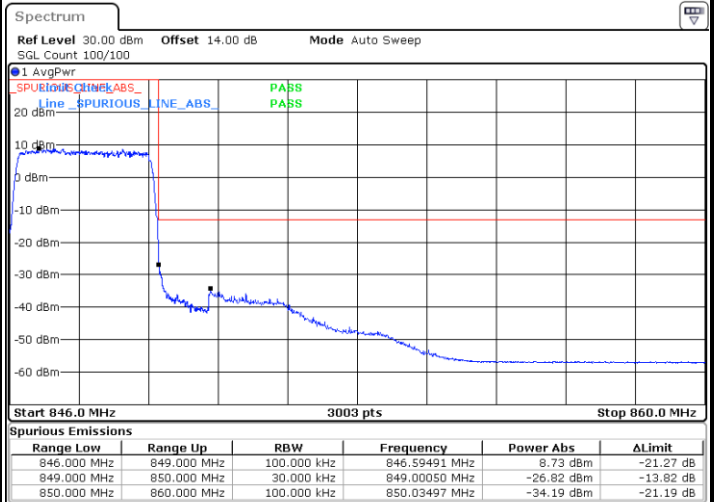
Date: 8.JAN.2024 23:43:43

Lowest Band Edge / Full RB



Date: 8.JAN.2024 23:39:10

Highest Band Edge / Full RB

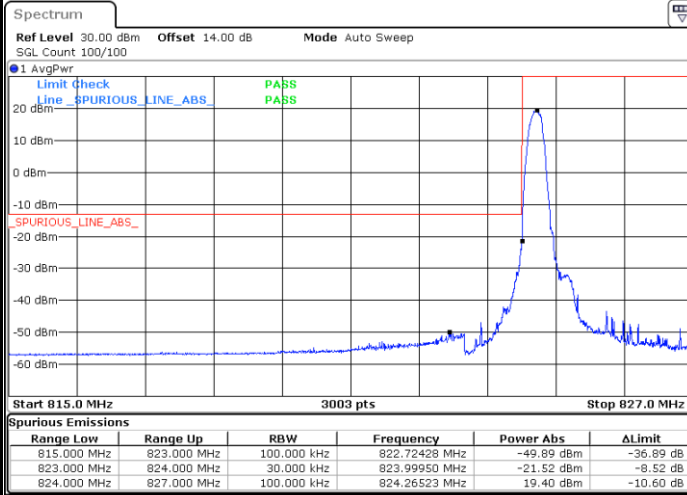


Date: 8.JAN.2024 23:48:00



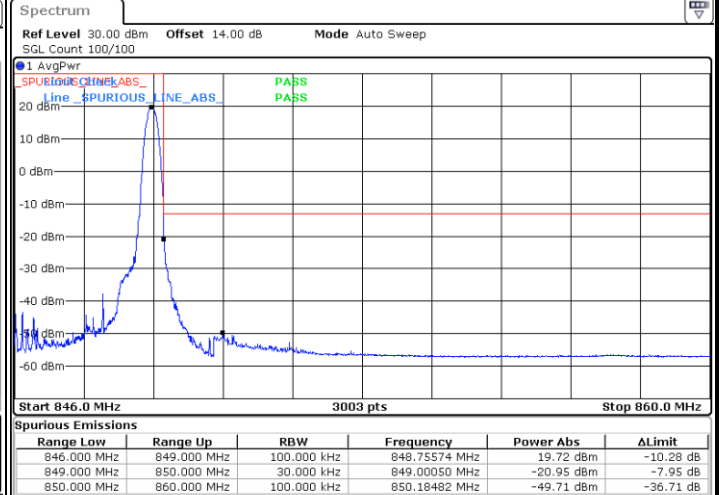
LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



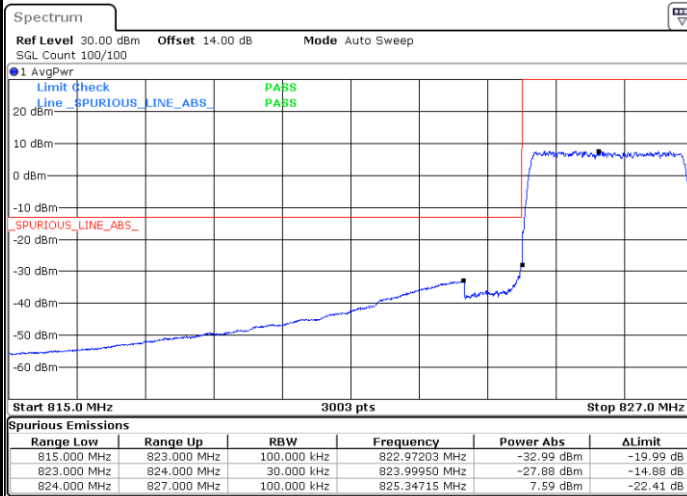
Date: 8.JAN.2024 23:35:45

Highest Band Edge / 1 RB



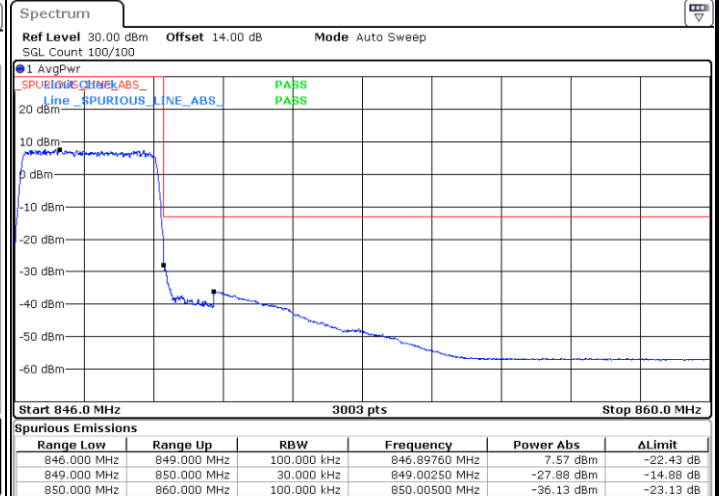
Date: 8.JAN.2024 23:44:35

Lowest Band Edge / Full RB



Date: 8.JAN.2024 23:38:19

Highest Band Edge / Full RB

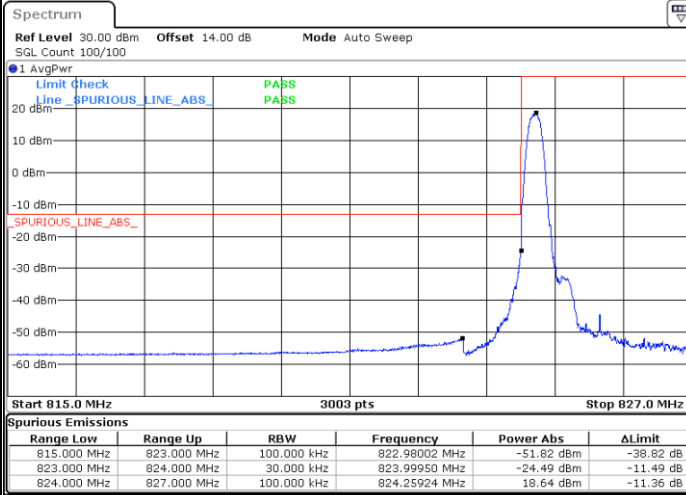


Date: 8.JAN.2024 23:47:08



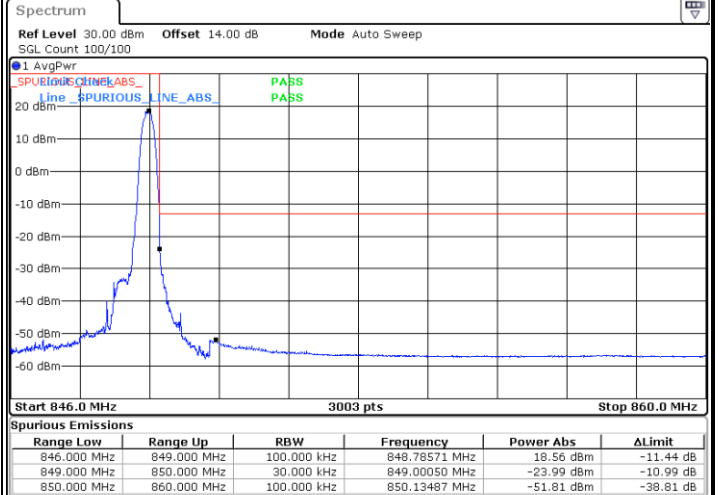
LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



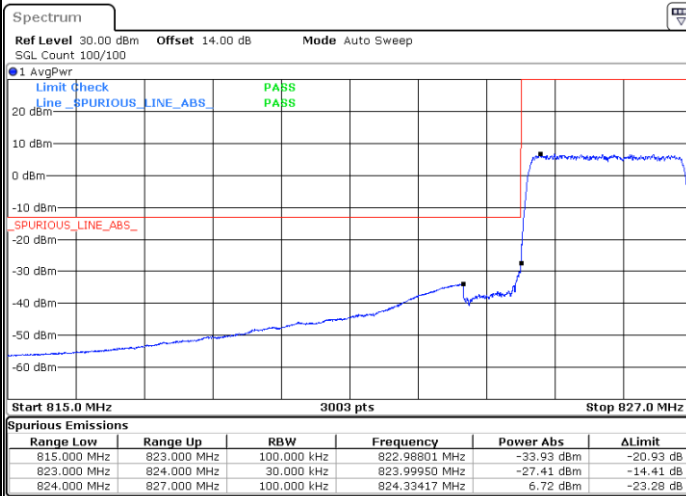
Date: 8.JAN.2024 23:36:36

Highest Band Edge / 1 RB



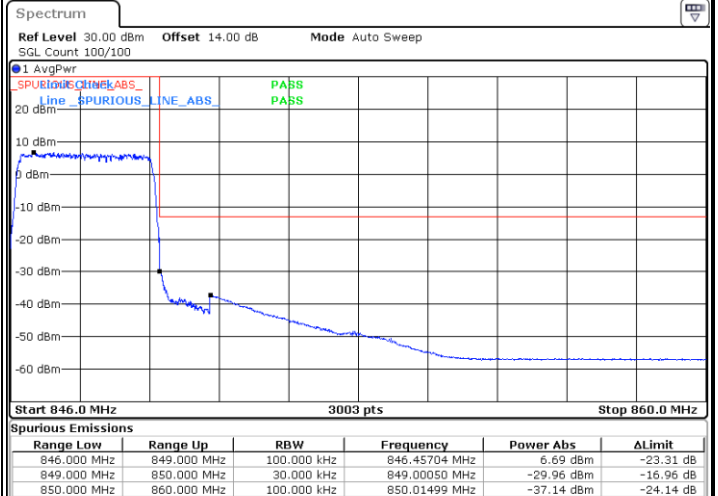
Date: 8.JAN.2024 23:45:26

Lowest Band Edge / Full RB



Date: 8.JAN.2024 23:37:28

Highest Band Edge / Full RB

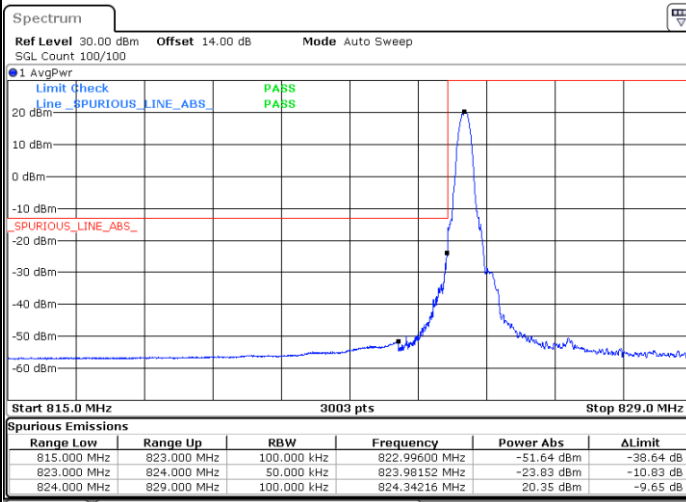


Date: 8.JAN.2024 23:46:17



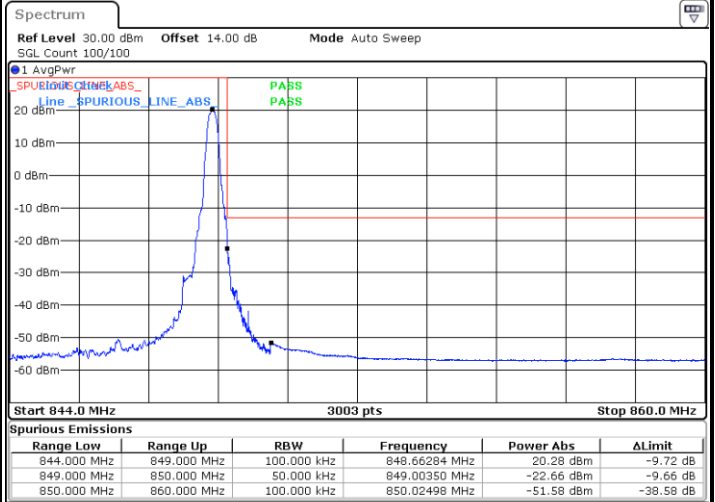
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1RB



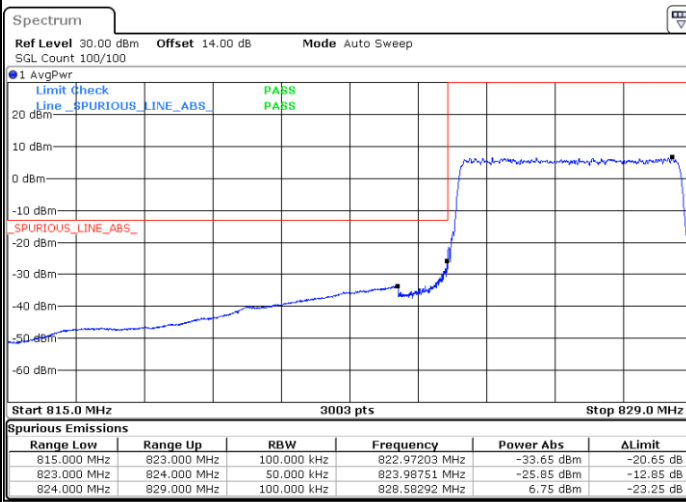
Date: 8.JAN.2024 23:50:46

Highest Band Edge / 1RB



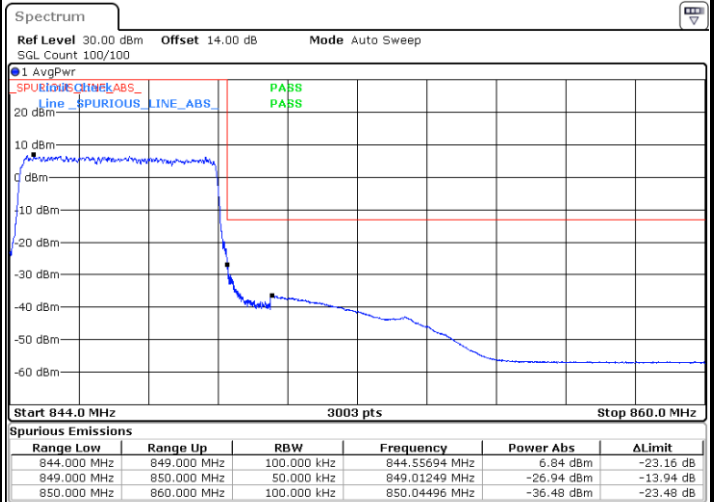
Date: 8.JAN.2024 23:59:35

Lowest Band Edge / Full RB



Date: 8.JAN.2024 23:55:02

Highest Band Edge / Full RB

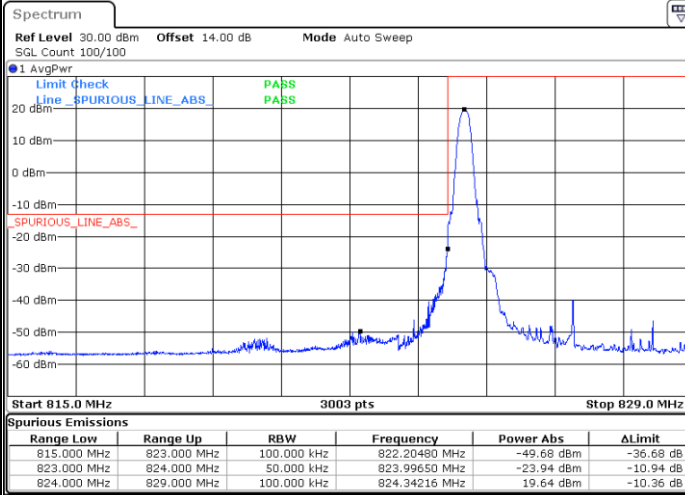


Date: 9.JAN.2024 00:03:53



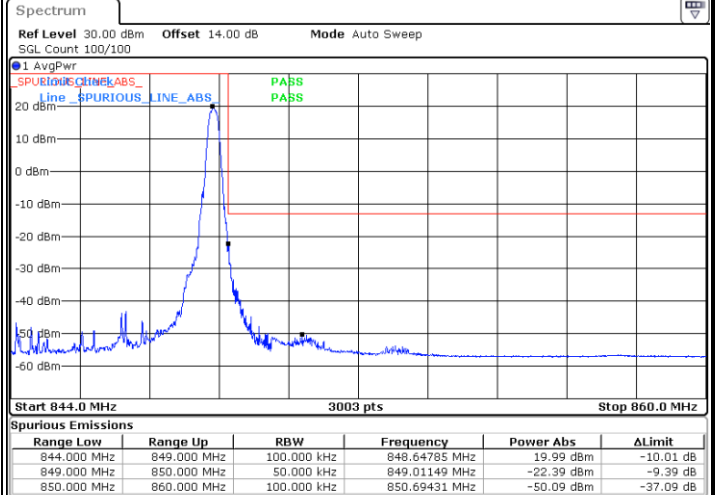
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



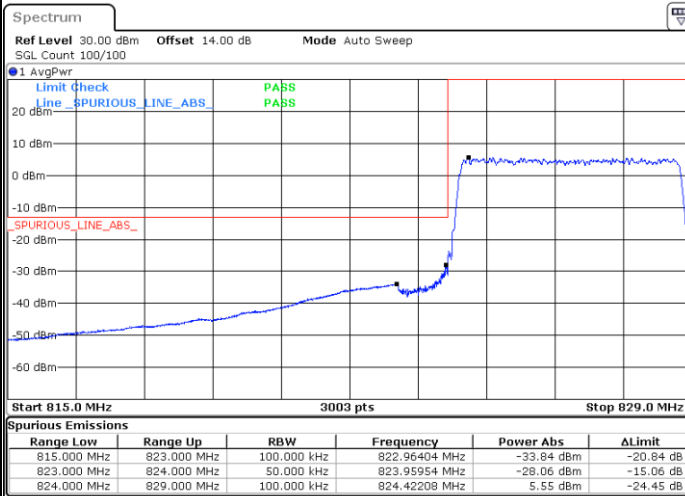
Date: 8.JAN.2024 23:51:37

Highest Band Edge / 1 RB



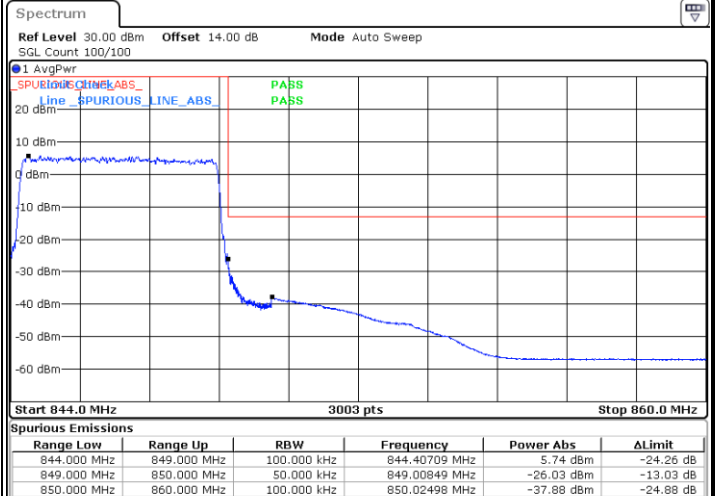
Date: 9.JAN.2024 00:00:27

Lowest Band Edge / Full RB



Date: 8.JAN.2024 23:54:11

Highest Band Edge / Full RB

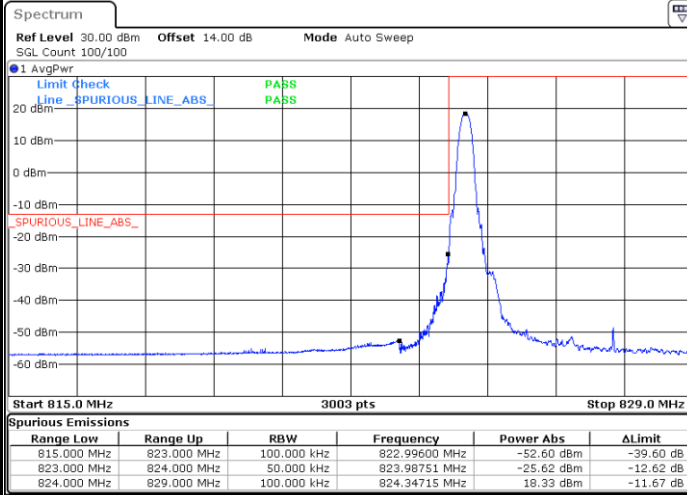


Date: 9.JAN.2024 00:03:01

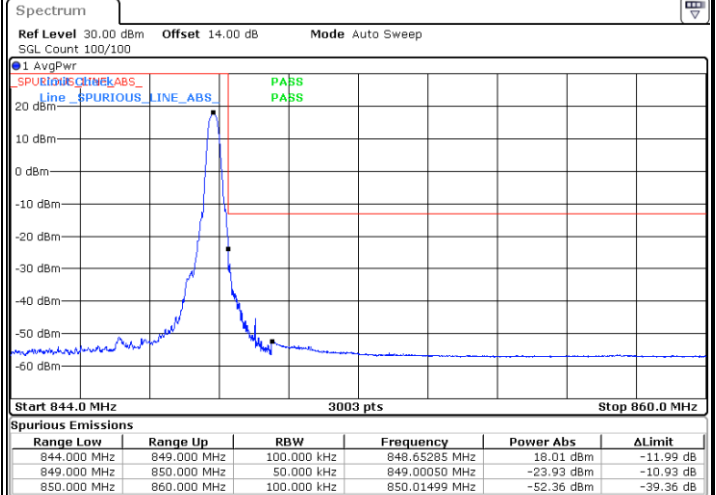


LTE Band 26 / 5MHz / 64QAM

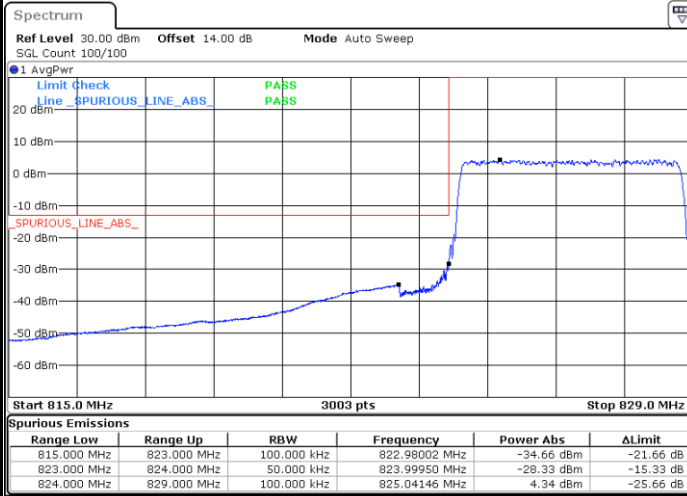
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

