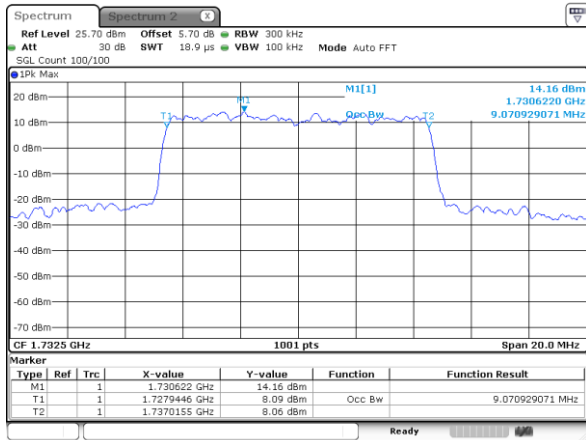




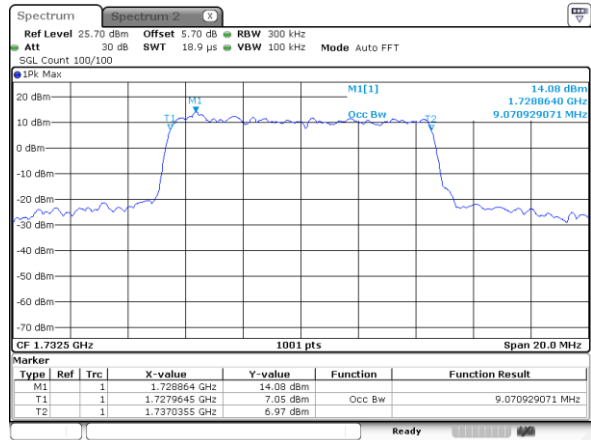
LTE Band 4

Middle Channel / 10MHz / QPSK



Date: 8.MAR.2024 22:59:21

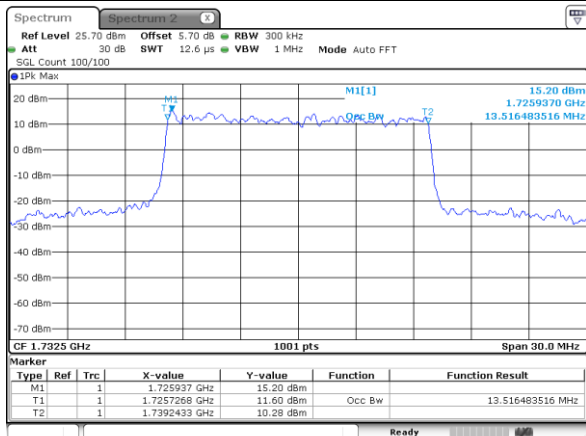
Middle Channel / 10MHz / 16QAM



Date: 8.MAR.2024 23:00:16

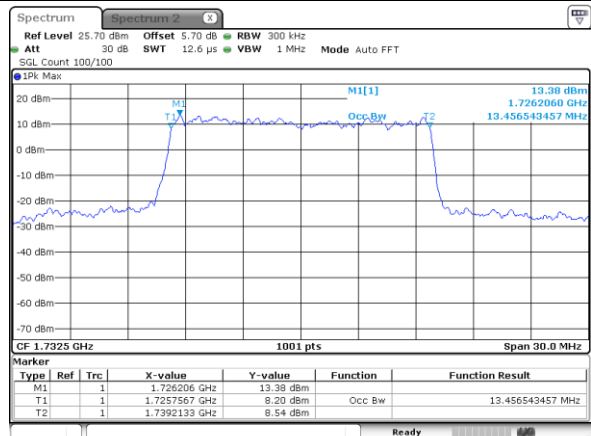
LTE Band 4

Middle Channel / 15MHz / QPSK



Date: 8.MAR.2024 23:01:58

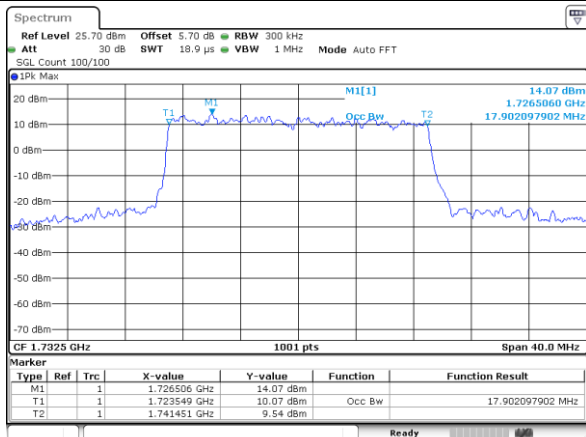
Middle Channel / 15MHz / 16QAM



Date: 8.MAR.2024 23:02:54

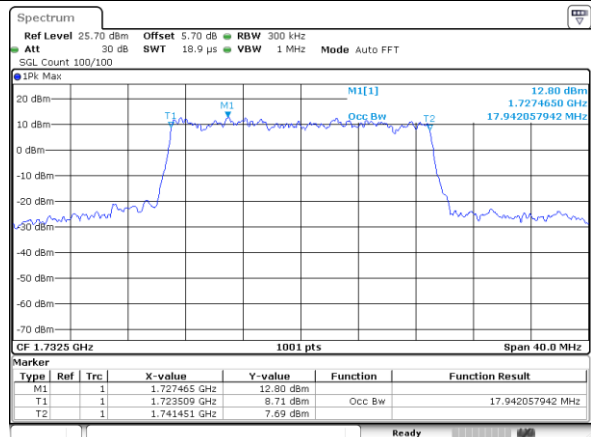
LTE Band 4

Middle Channel / 20MHz / QPSK



Date: 8.MAR.2024 03:07:23

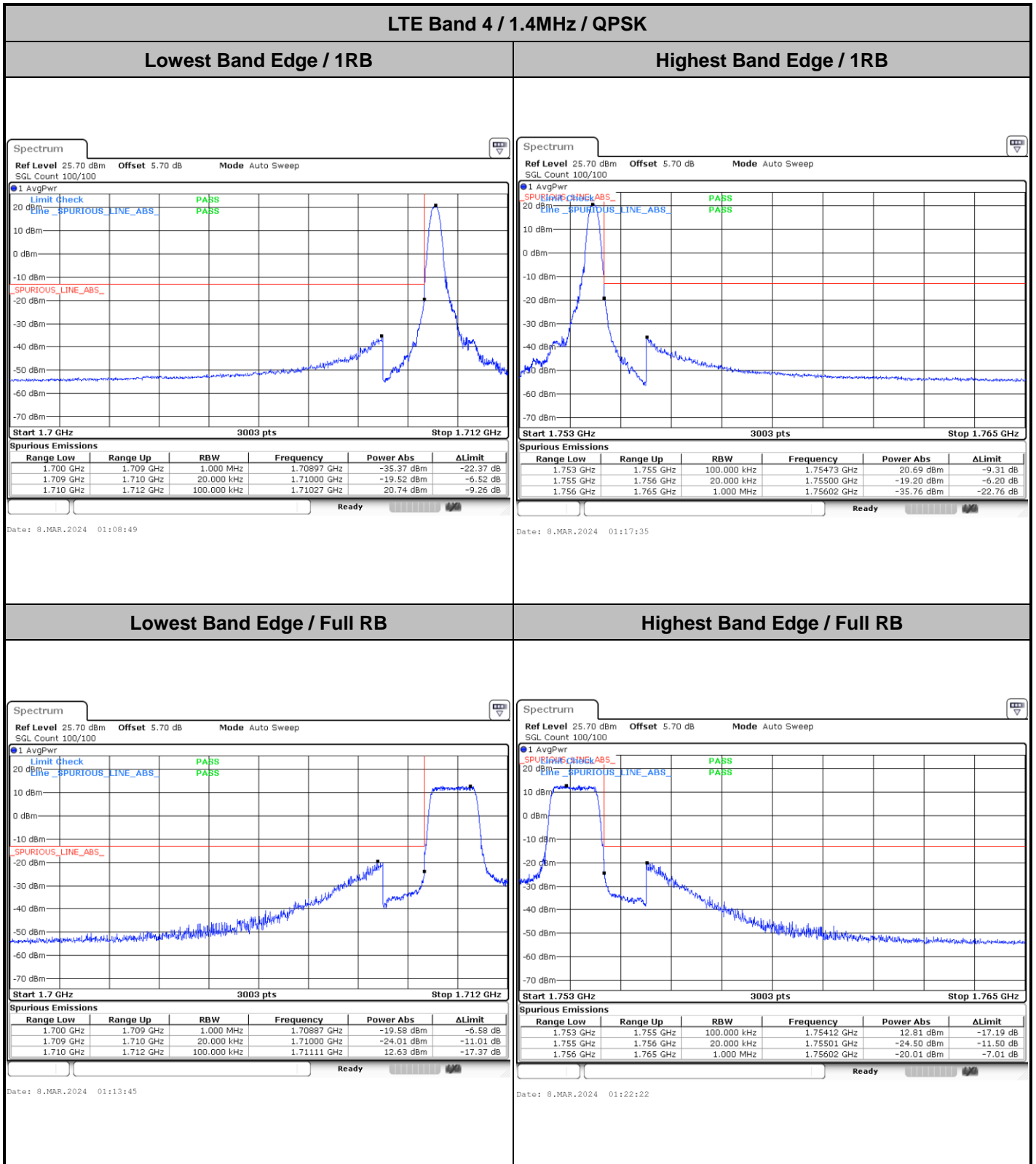
Middle Channel / 20MHz / 16QAM



Date: 8.MAR.2024 03:09:04



Conducted Band Edge

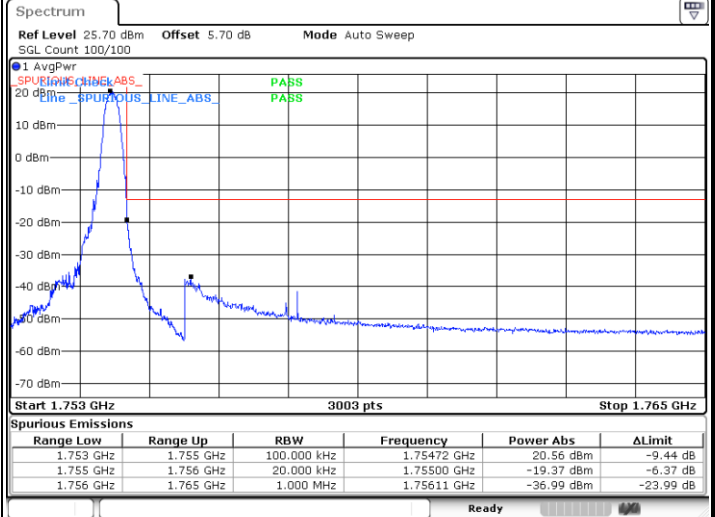
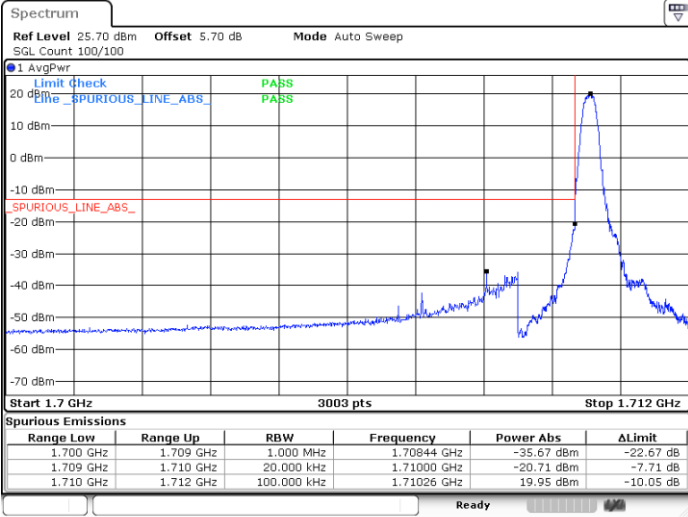




LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

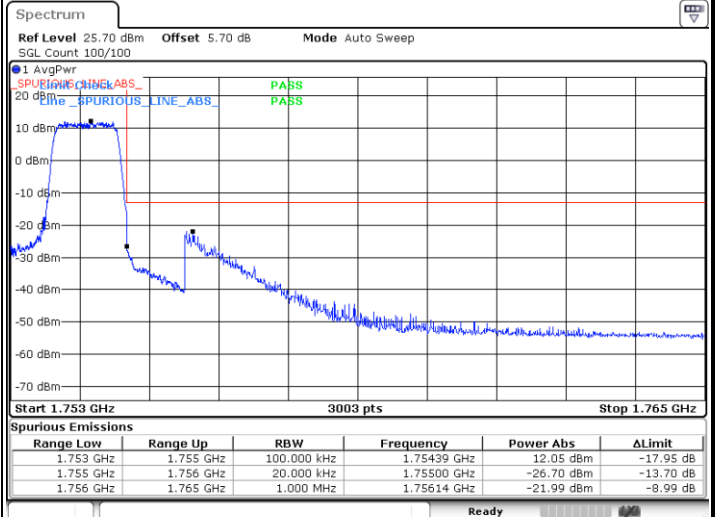
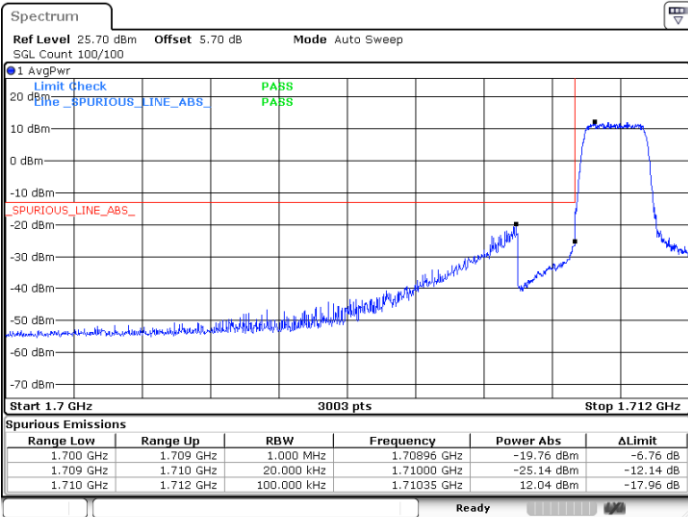


Date: 8.MAR.2024 01:09:48

Date: 8.MAR.2024 01:18:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.MAR.2024 01:12:46

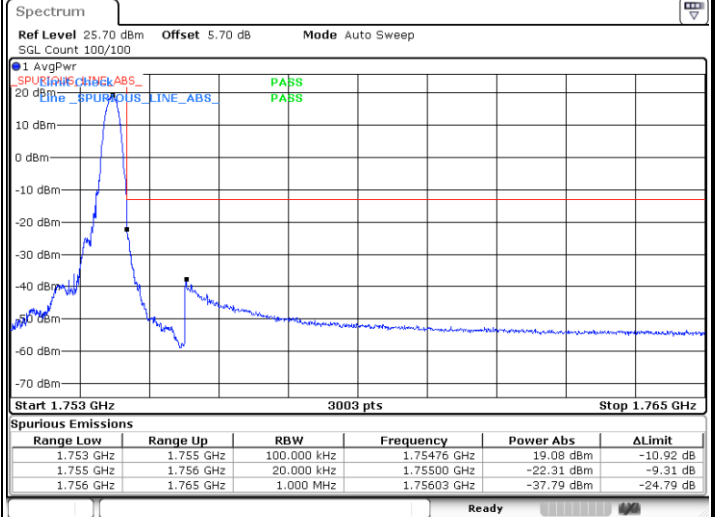
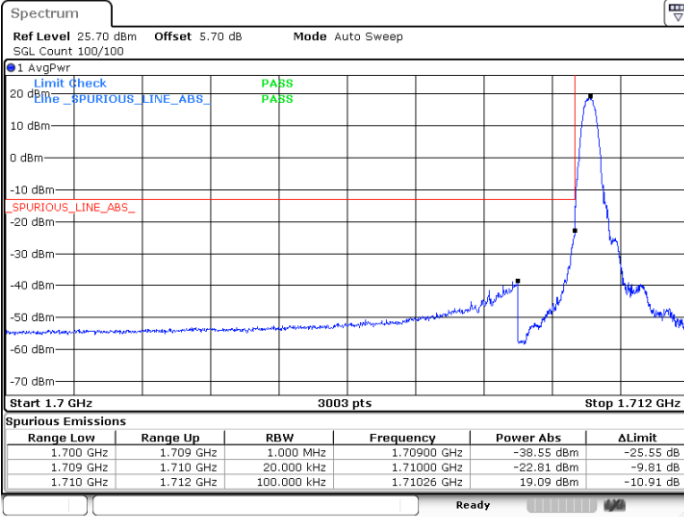
Date: 8.MAR.2024 01:21:25



LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

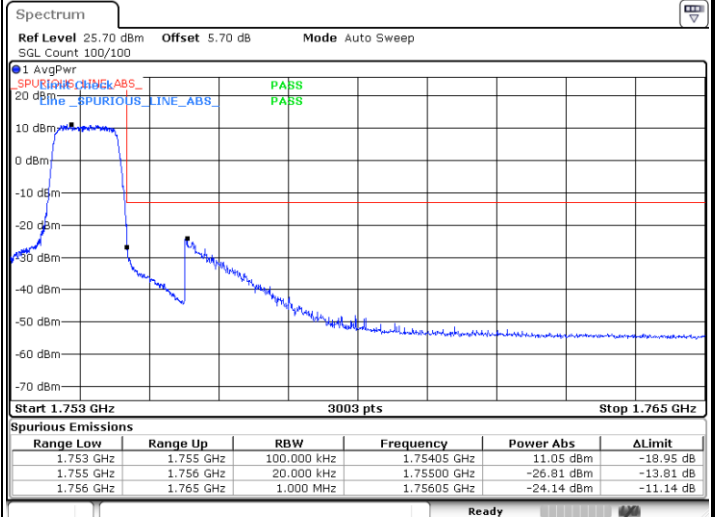
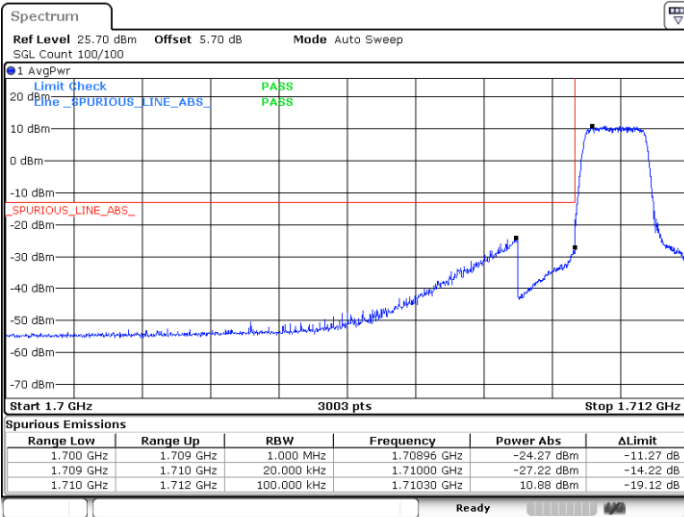


Date: 8.MAR.2024 01:10:48

Date: 8.MAR.2024 01:19:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



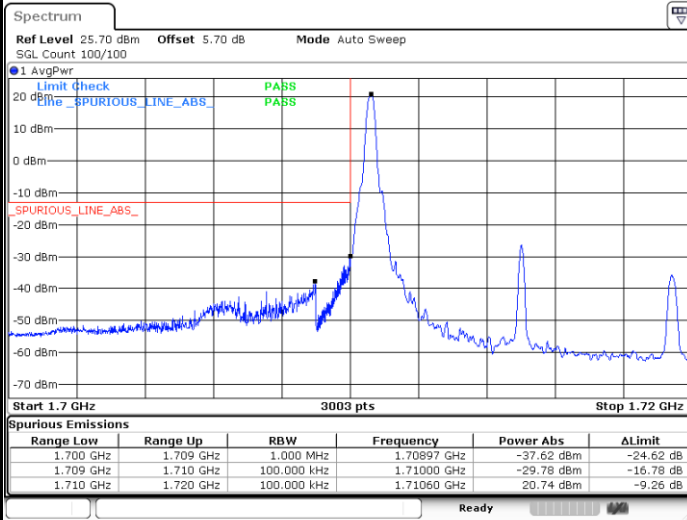
Date: 8.MAR.2024 01:11:46

Date: 8.MAR.2024 01:20:27



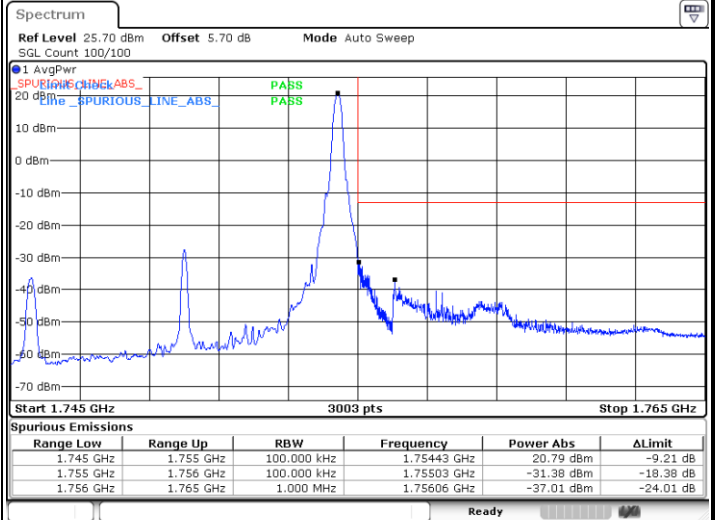
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



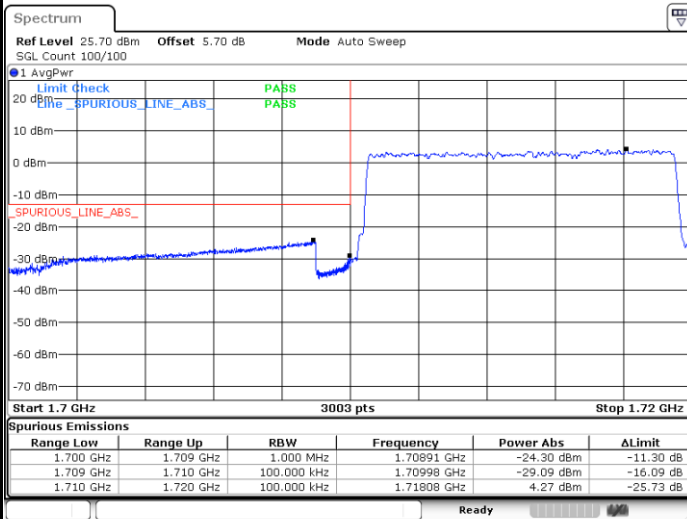
Date: 8.MAR.2024 01:57:55

Highest Band Edge / 1 RB



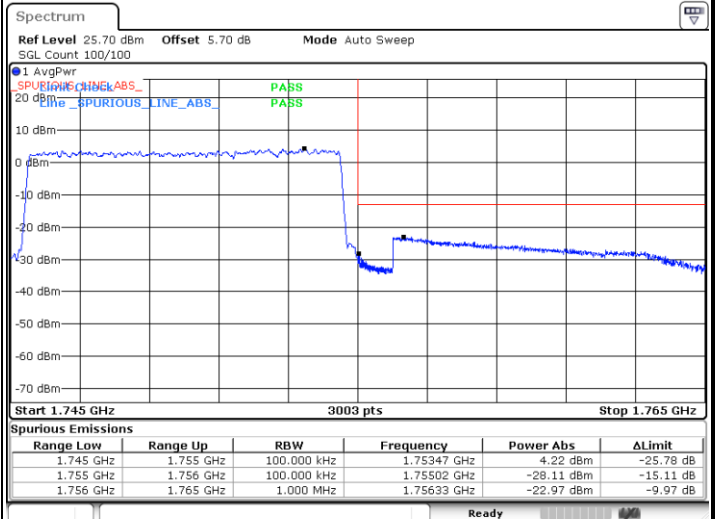
Date: 8.MAR.2024 02:06:35

Lowest Band Edge / Full RB



Date: 8.MAR.2024 02:02:44

Highest Band Edge / Full RB

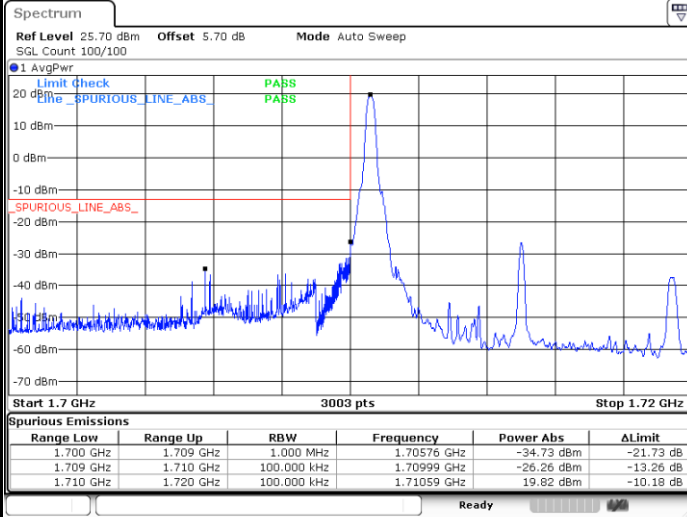


Date: 8.MAR.2024 02:11:27



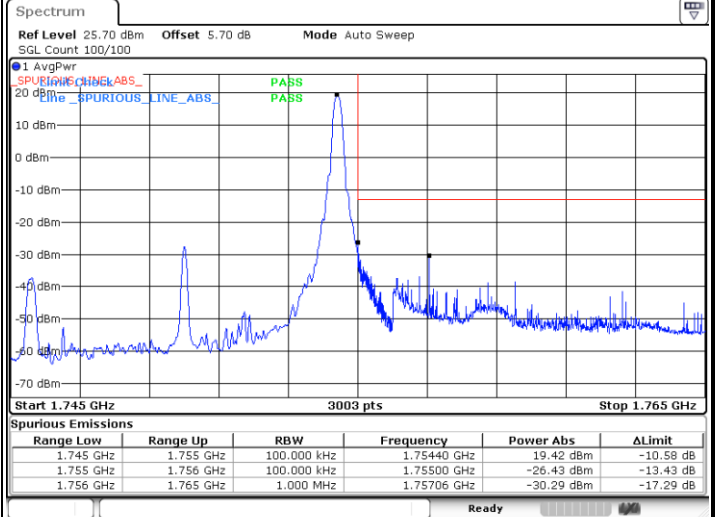
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



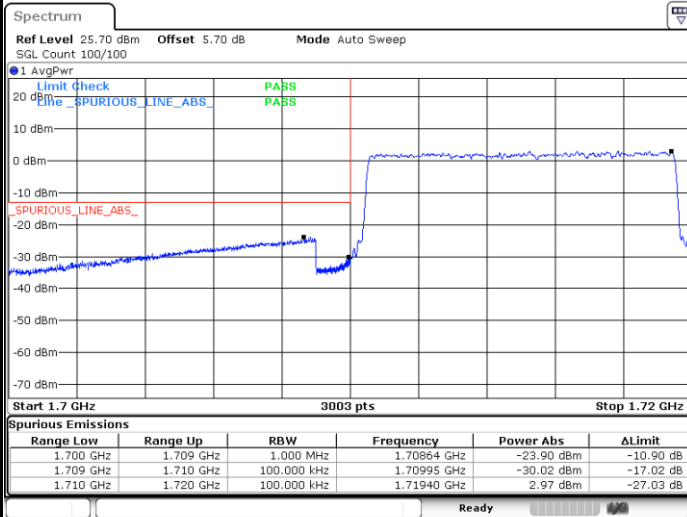
Date: 8.MAR.2024 01:58:53

Highest Band Edge / 1 RB



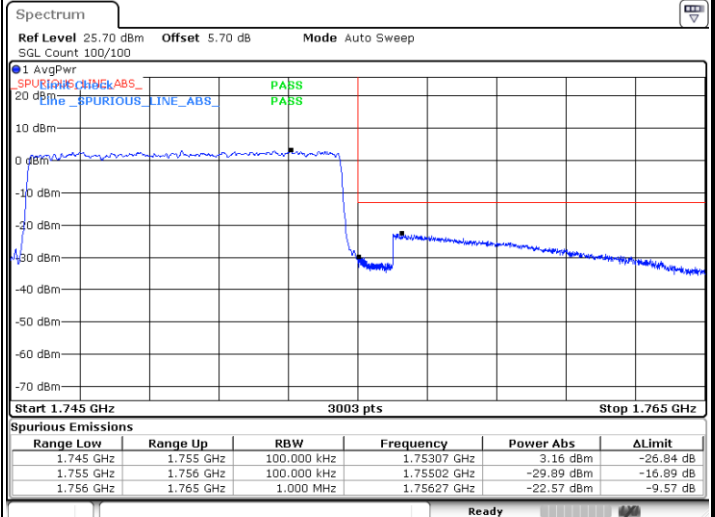
Date: 8.MAR.2024 02:07:33

Lowest Band Edge / Full RB



Date: 8.MAR.2024 02:01:46

Highest Band Edge / Full RB

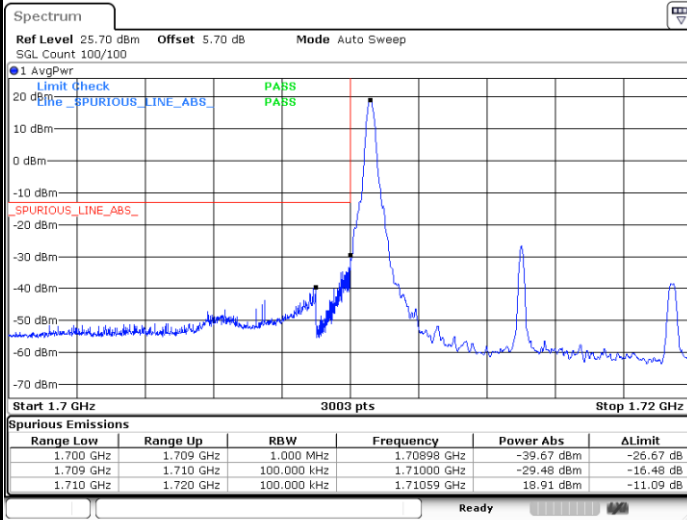


Date: 8.MAR.2024 02:10:29



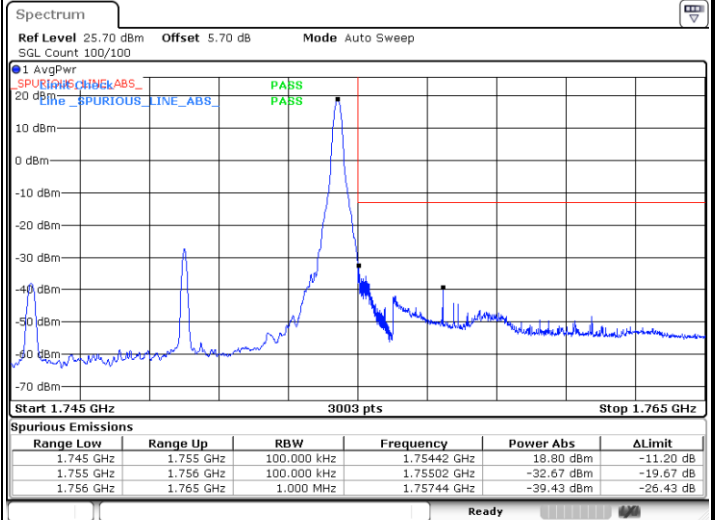
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



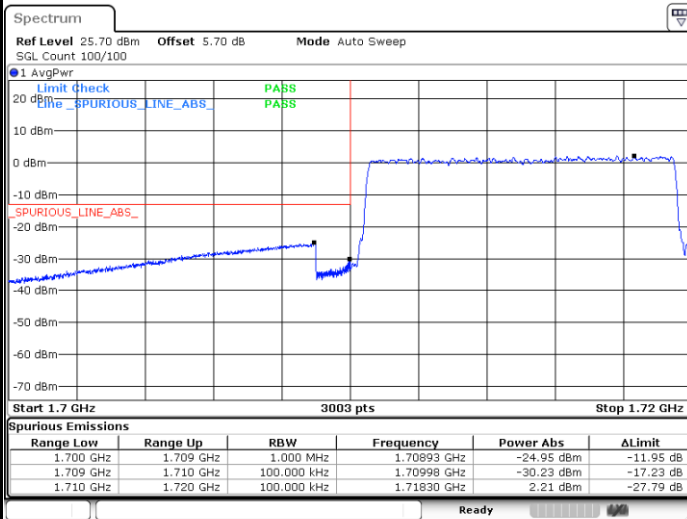
Date: 8.MAR.2024 01:59:51

Highest Band Edge / 1 RB



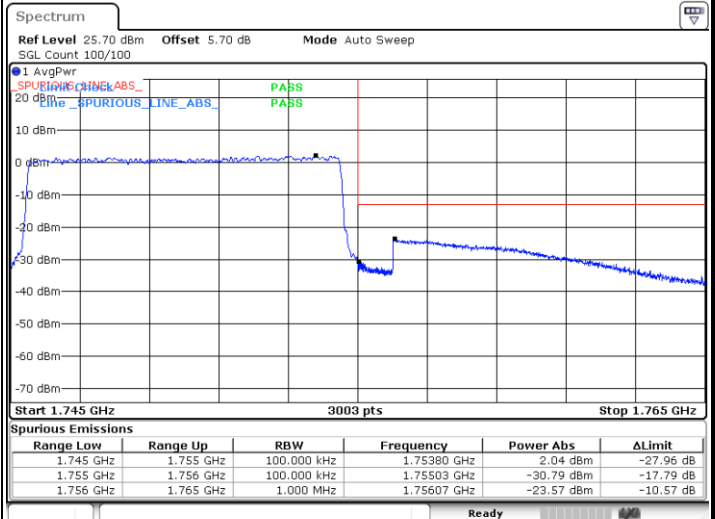
Date: 8.MAR.2024 02:08:31

Lowest Band Edge / Full RB



Date: 8.MAR.2024 02:00:49

Highest Band Edge / Full RB

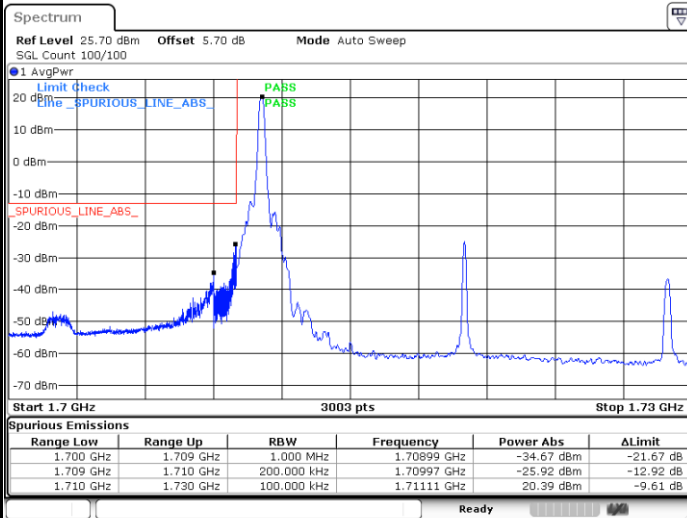


Date: 8.MAR.2024 02:09:30



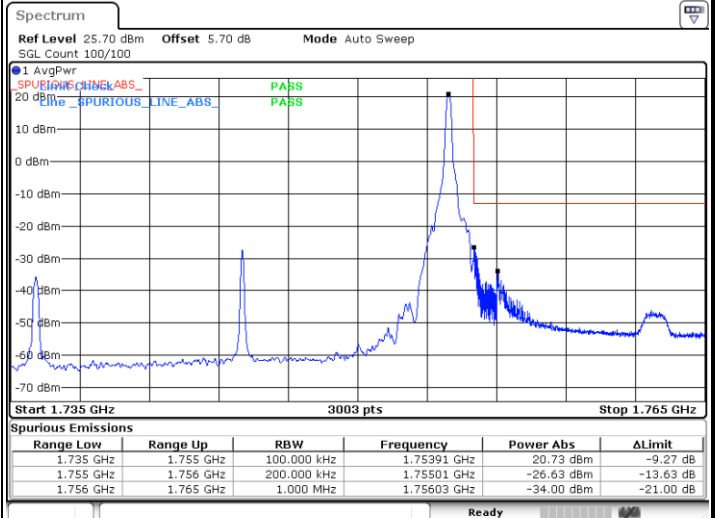
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



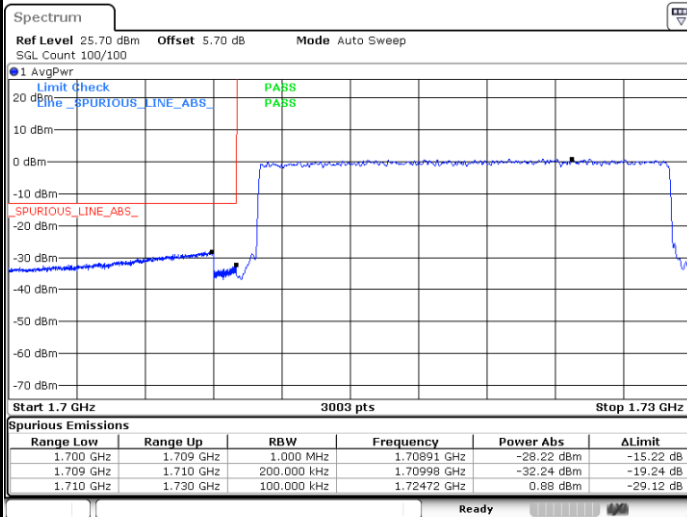
Date: 8.MAR.2024 02:30:59

Highest Band Edge / 1 RB



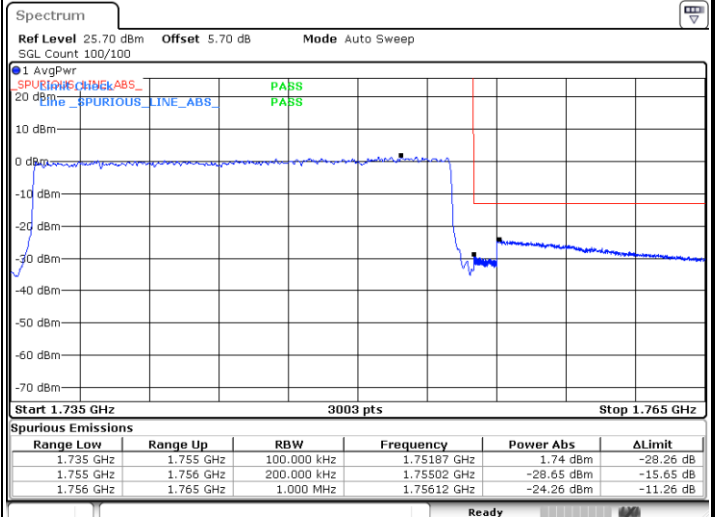
Date: 8.MAR.2024 02:39:41

Lowest Band Edge / Full RB



Date: 8.MAR.2024 02:35:49

Highest Band Edge / Full RB

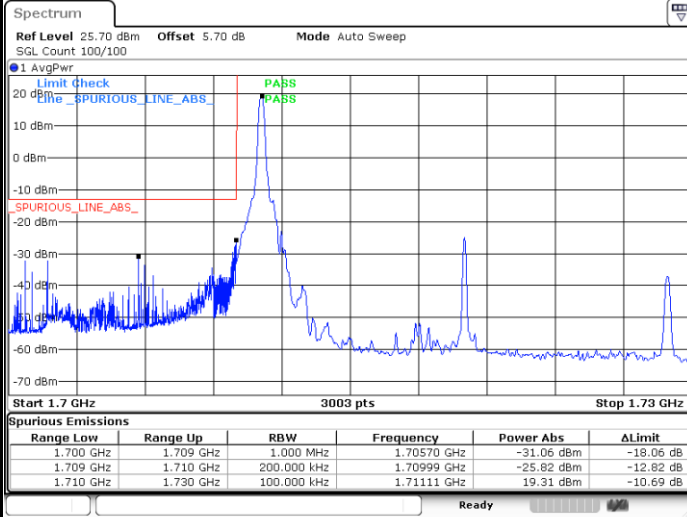


Date: 8.MAR.2024 02:44:31



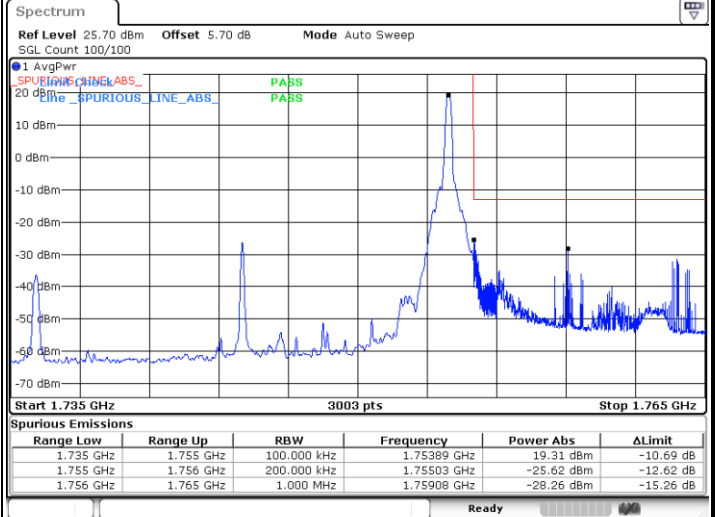
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



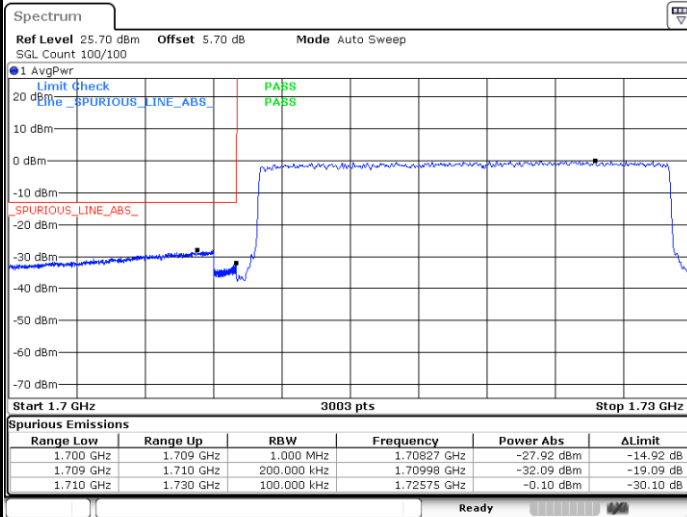
Date: 8.MAR.2024 02:31:57

Highest Band Edge / 1 RB



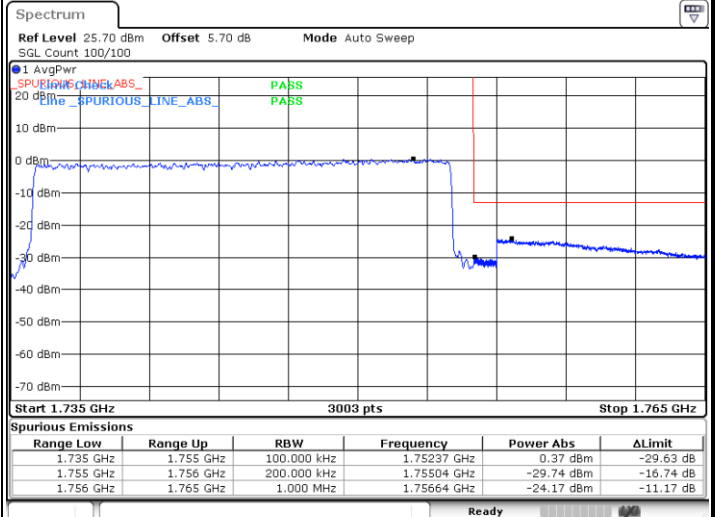
Date: 8.MAR.2024 02:40:39

Lowest Band Edge / Full RB



Date: 8.MAR.2024 02:34:51

Highest Band Edge / Full RB

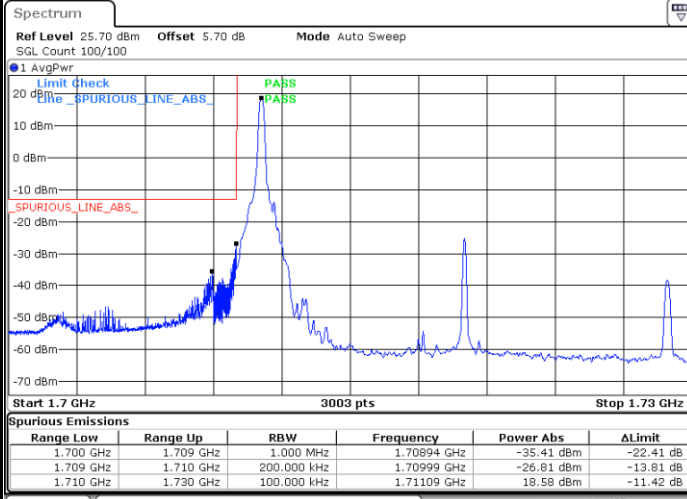


Date: 8.MAR.2024 02:43:34



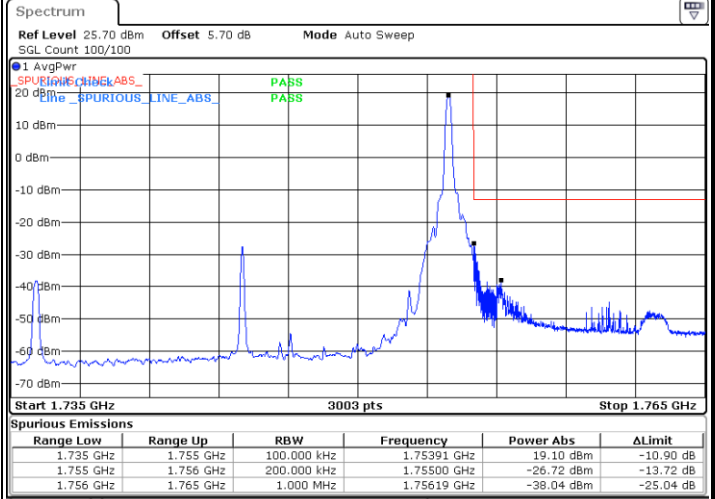
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



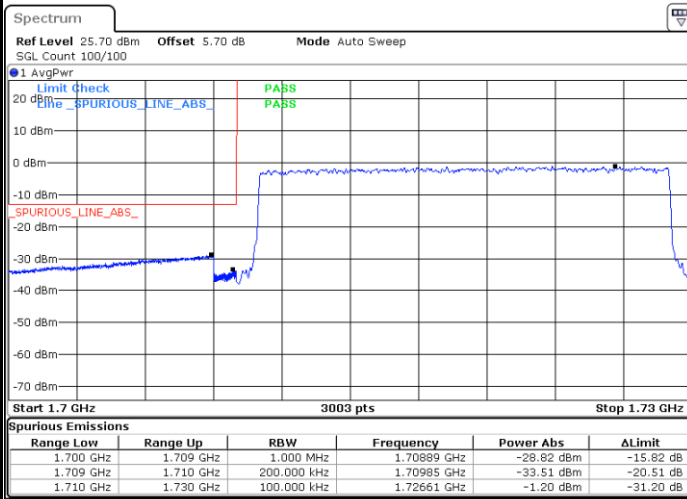
Date: 8.MAR.2024 02:32:55

Highest Band Edge / 1 RB



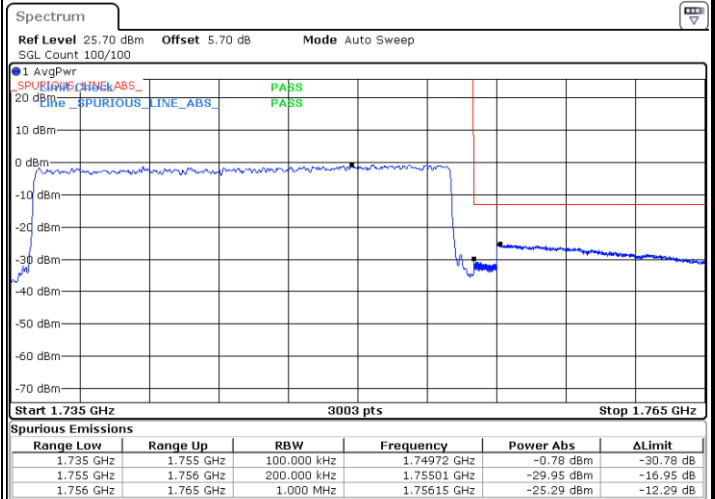
Date: 8.MAR.2024 02:41:37

Lowest Band Edge / Full RB



Date: 8.MAR.2024 02:33:53

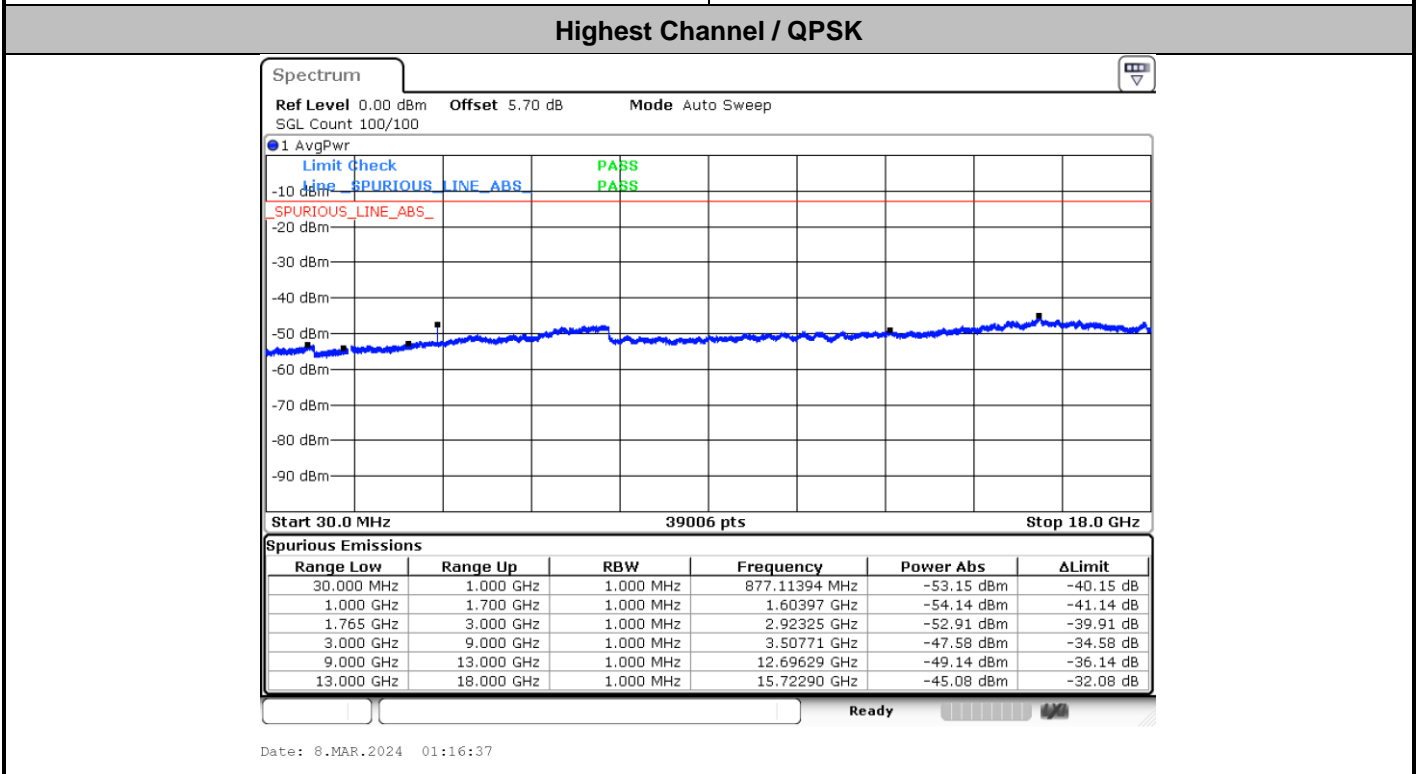
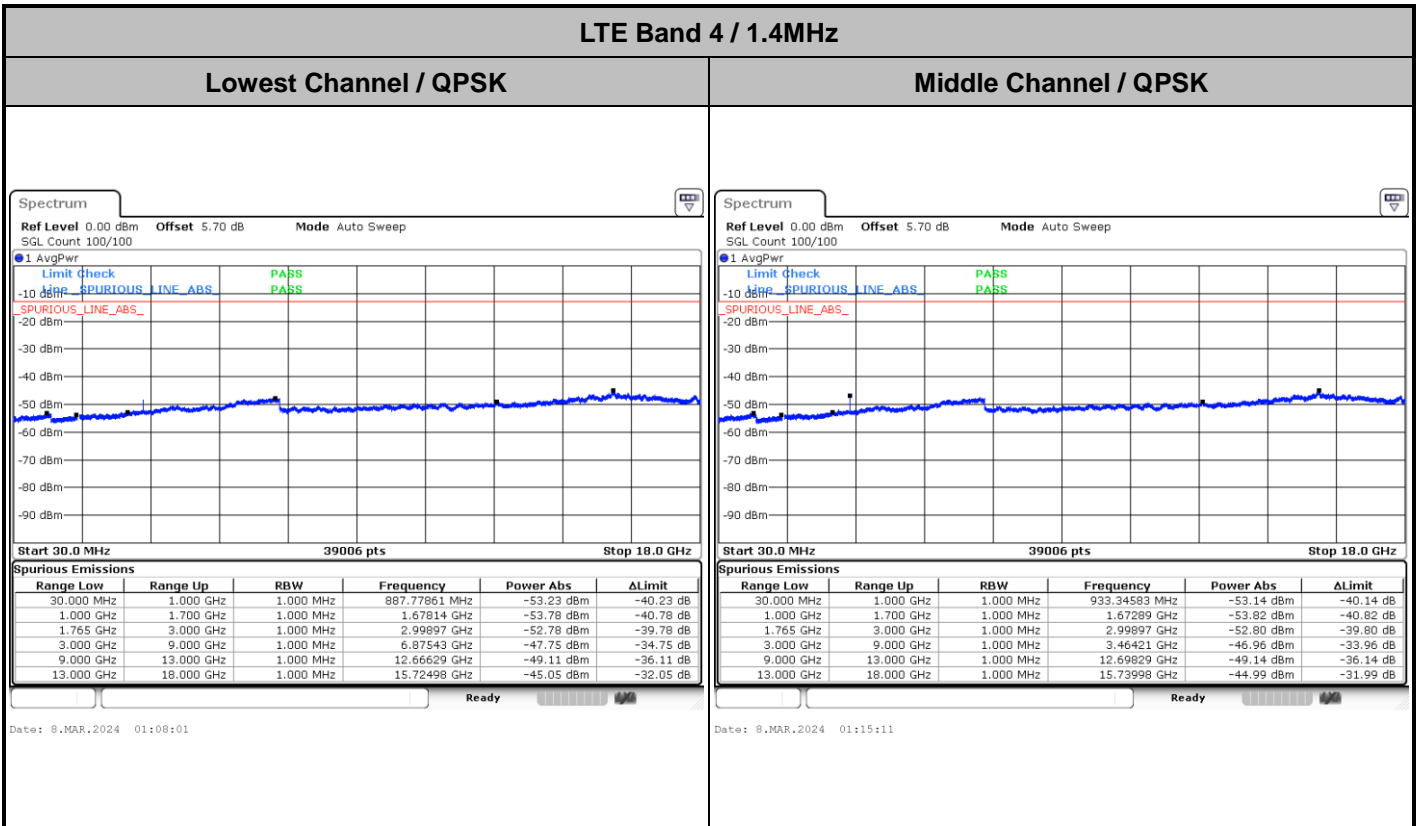
Highest Band Edge / Full RB



Date: 8.MAR.2024 02:42:35



Conducted Spurious Emission

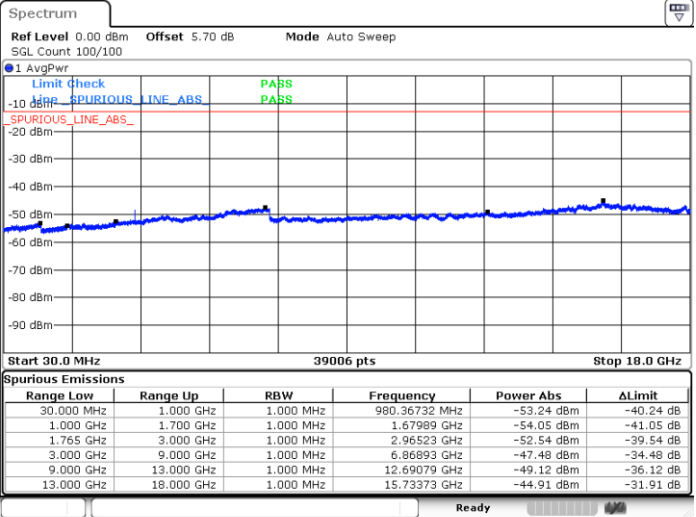
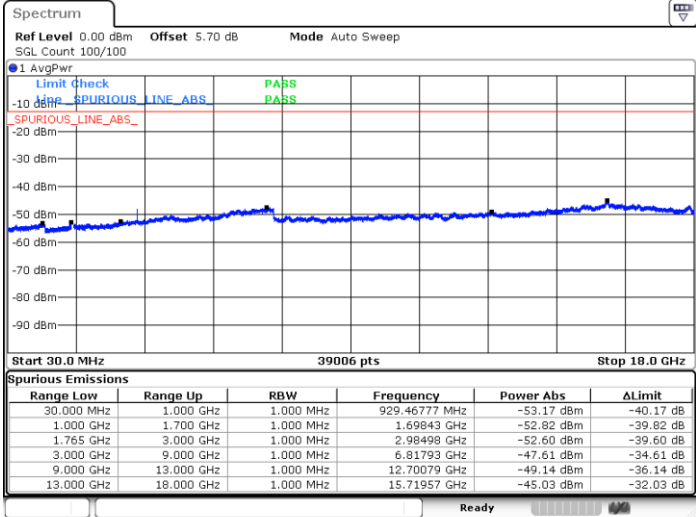




LTE Band 4 / 10MHz

Lowest Channel / QPSK

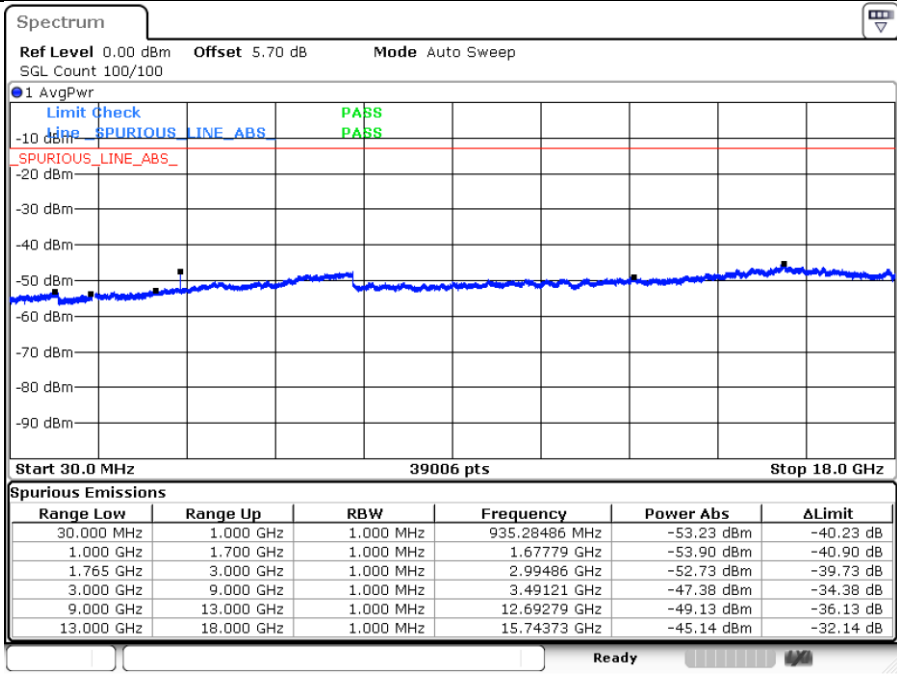
Middle Channel / QPSK



Date: 8.MAR.2024 01:57:08

Date: 8.MAR.2024 02:04:11

Highest Channel / QPSK



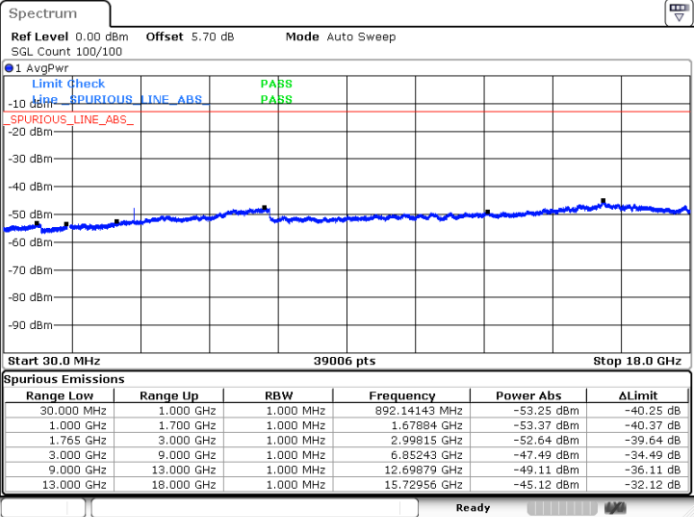
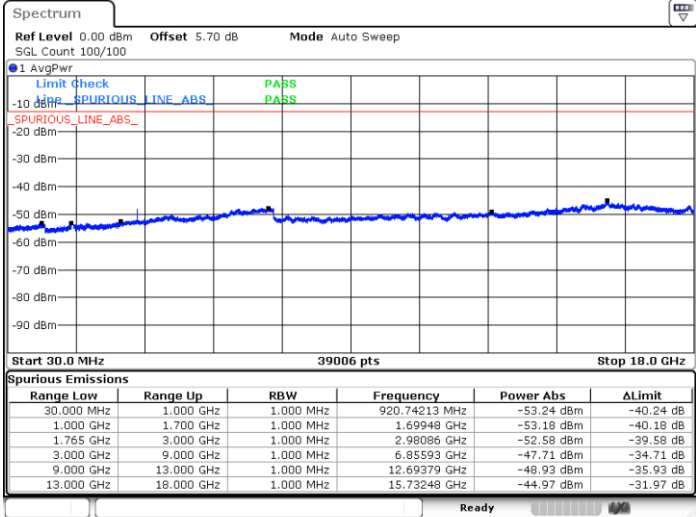
Date: 8.MAR.2024 02:05:37



LTE Band 4 / 20MHz

Lowest Channel / QPSK

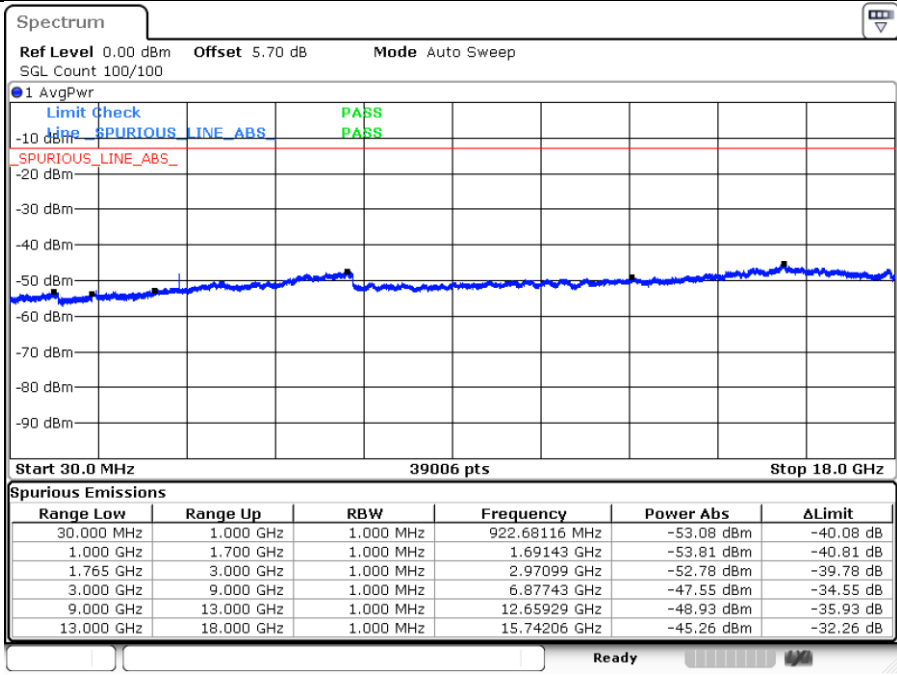
Middle Channel / QPSK



Date: 8.MAR.2024 02:30:12

Date: 8.MAR.2024 02:37:17

Highest Channel / QPSK



Date: 8.MAR.2024 02:38:44



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.53 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

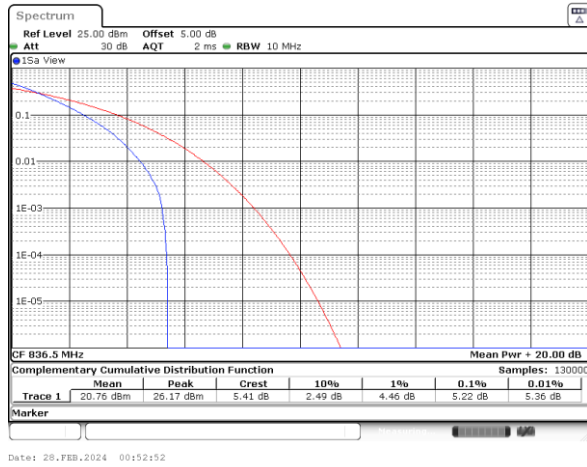
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.22	6.17	6.64	PASS



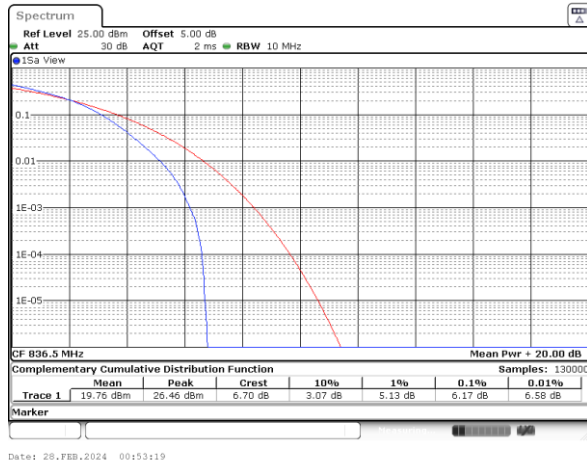
LTE Band 5 / 10MHz

Middle Channel / Full RB/ QPSK



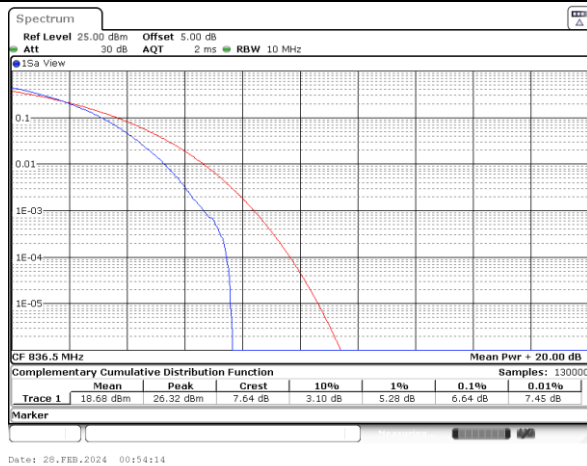
Date: 28.FEB.2024 00:52:52

Middle Channel / Full RB/ 16QAM



Date: 28.FEB.2024 00:53:19

Middle Channel / Full RB/ 64QAM

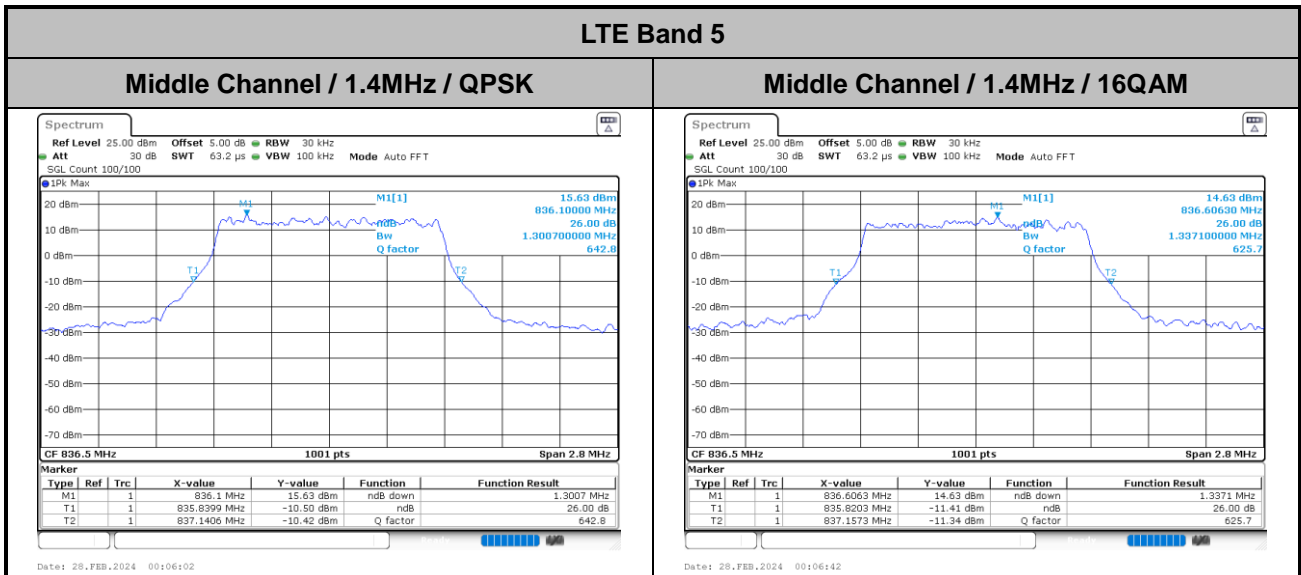


Date: 28.FEB.2024 00:54:14



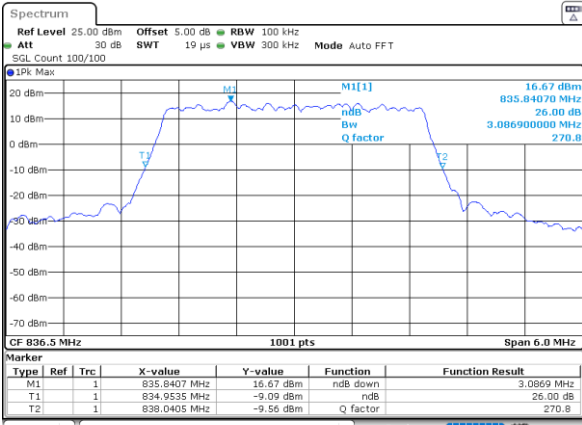
26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.30	1.34
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.09	3.11
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.09	5.08
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.03	9.91



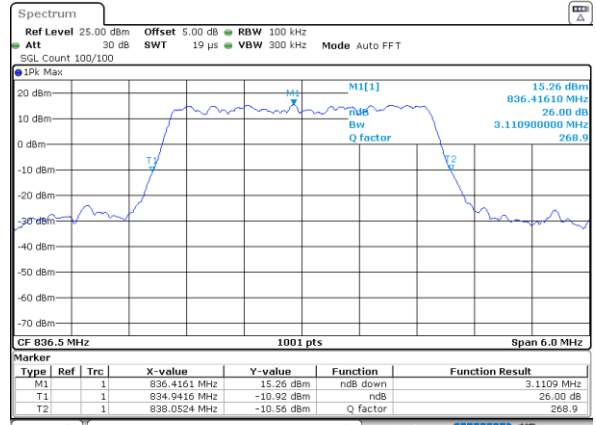


Middle Channel / 3MHz / QPSK



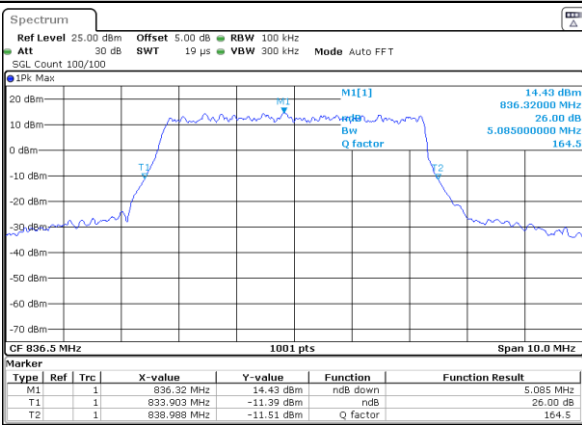
Date: 28.FEB.2024 00:25:38

Middle Channel / 3MHz / 16QAM



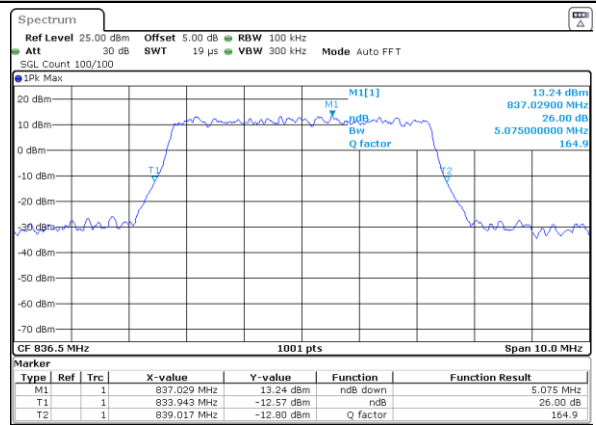
Date: 28.FEB.2024 00:26:18

Middle Channel / 5MHz / QPSK



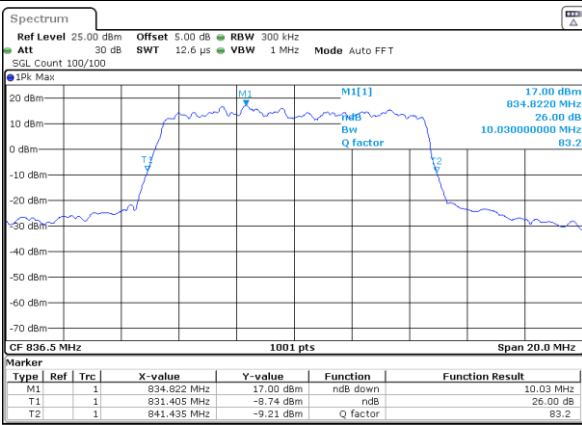
Date: 28.FEB.2024 00:39:51

Middle Channel / 5MHz / 16QAM



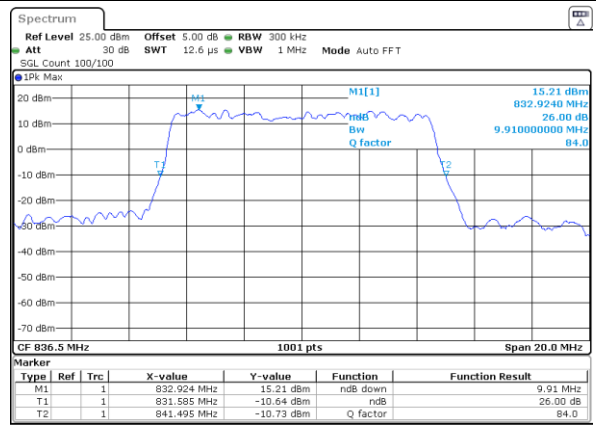
Date: 28.FEB.2024 00:40:31

Middle Channel / 10MHz / QPSK



Date: 28.FEB.2024 00:52:37

Middle Channel / 10MHz / 16QAM

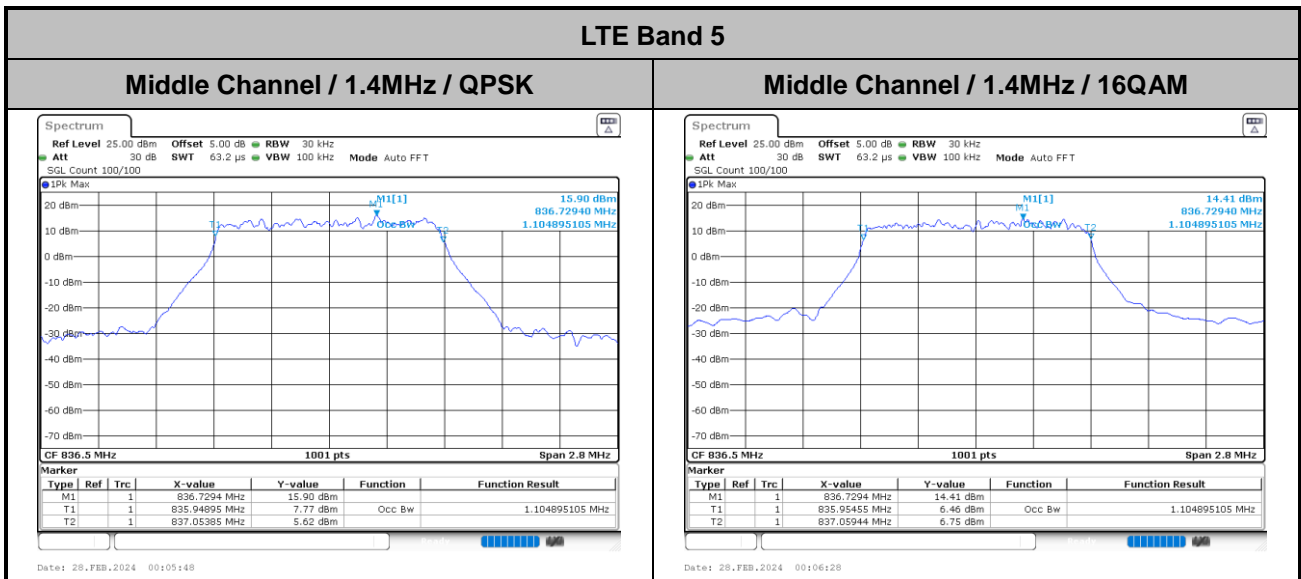


Date: 28.FEB.2024 00:53:47



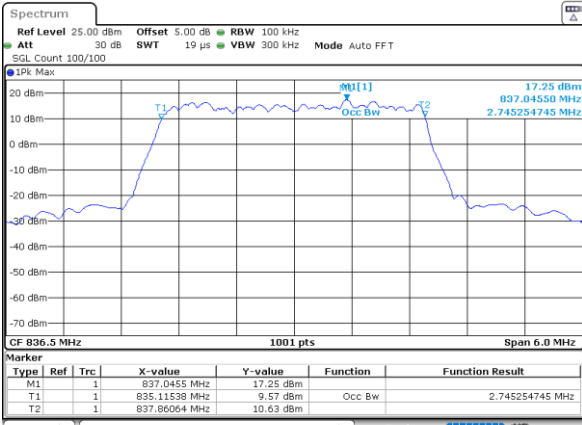
Occupied Bandwidth

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	2.75	2.73
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	8.99



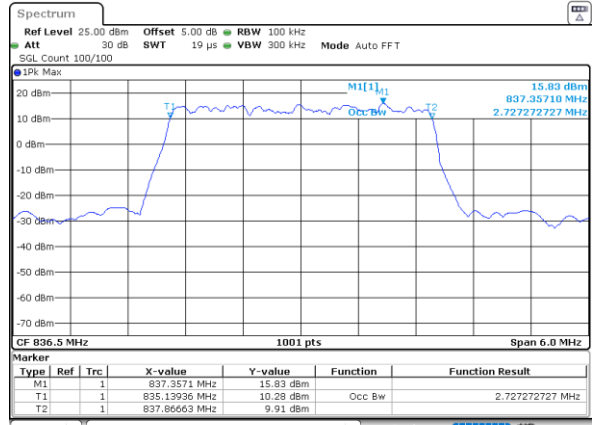


Middle Channel / 3MHz / QPSK



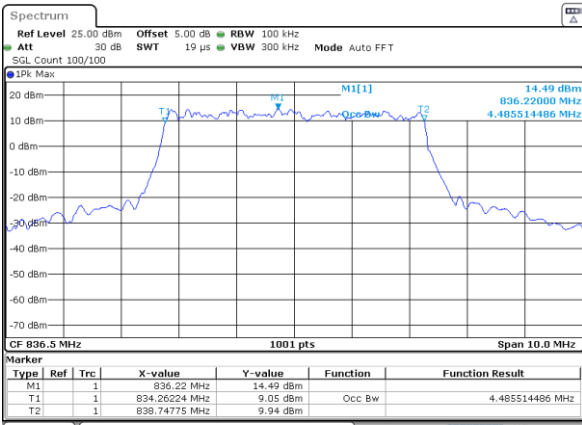
Date: 28.FEB.2024 00:21:32

Middle Channel / 3MHz / 16QAM



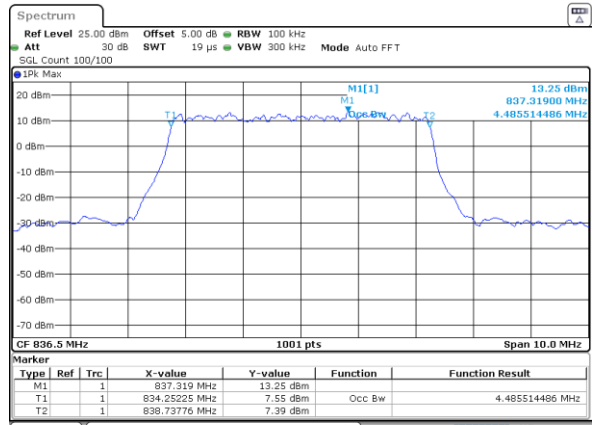
Date: 28.FEB.2024 00:26:04

Middle Channel / 5MHz / QPSK



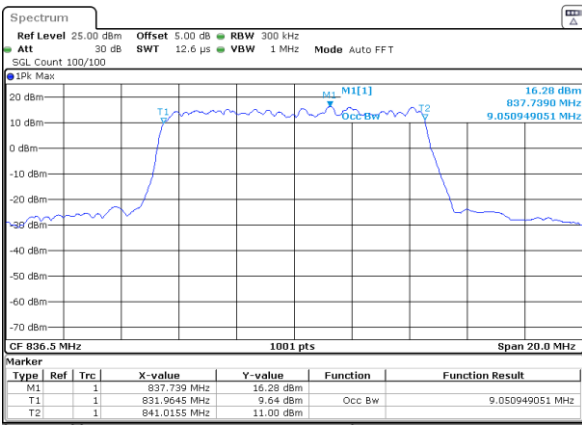
Date: 28.FEB.2024 00:39:37

Middle Channel / 5MHz / 16QAM



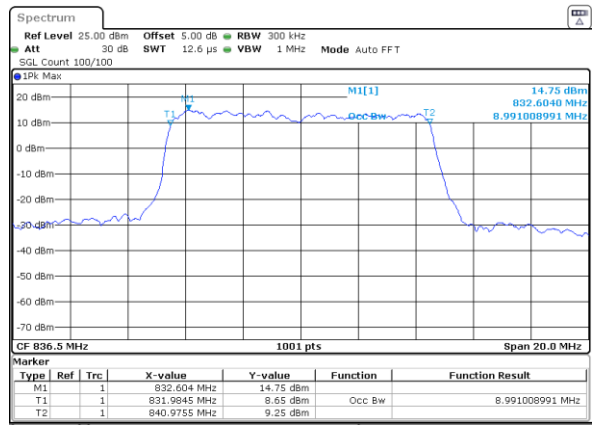
Date: 28.FEB.2024 00:40:17

Middle Channel / 10MHz / QPSK



Date: 28.FEB.2024 00:52:23

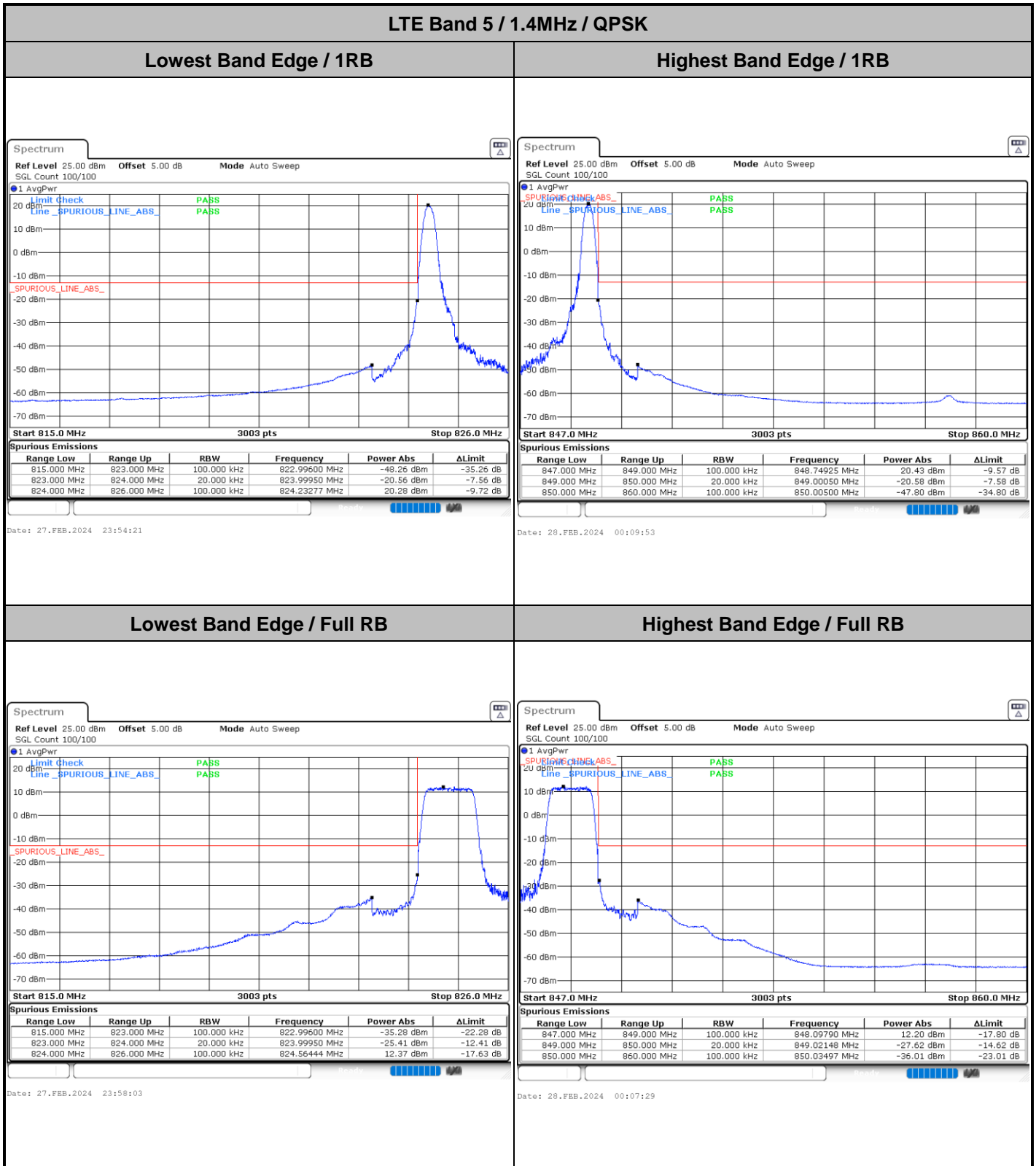
Middle Channel / 10MHz / 16QAM



Date: 28.FEB.2024 00:53:33



Conducted Band Edge

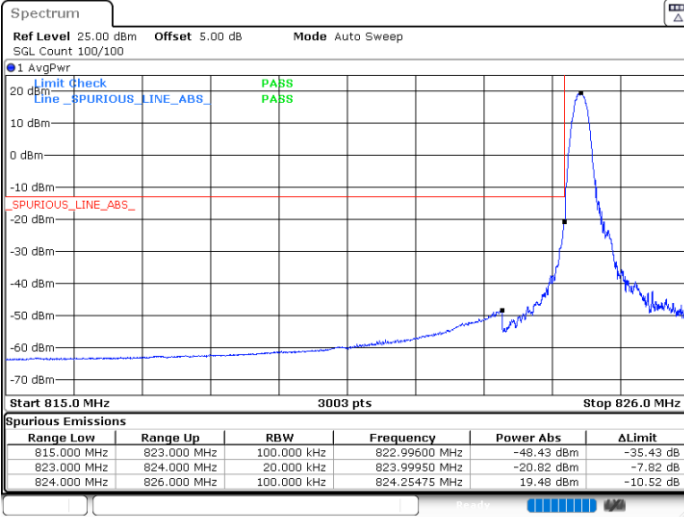




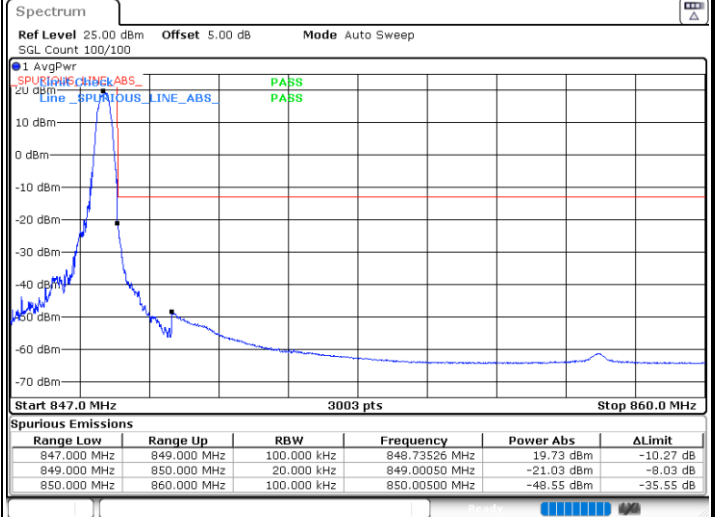
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



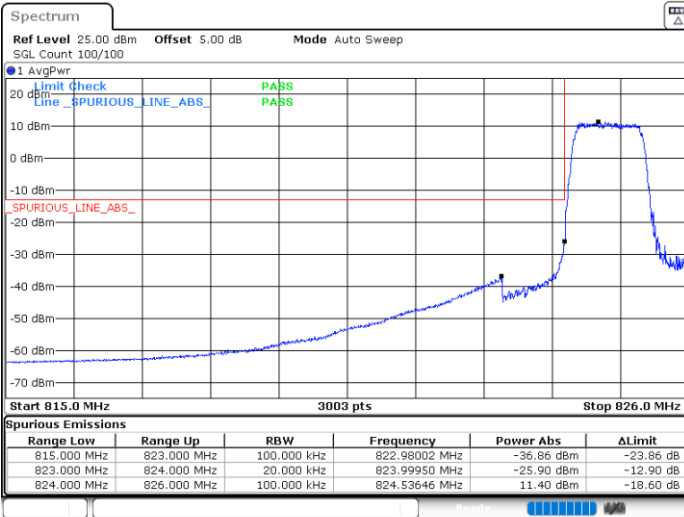
Date: 27.FEB.2024 23:55:07



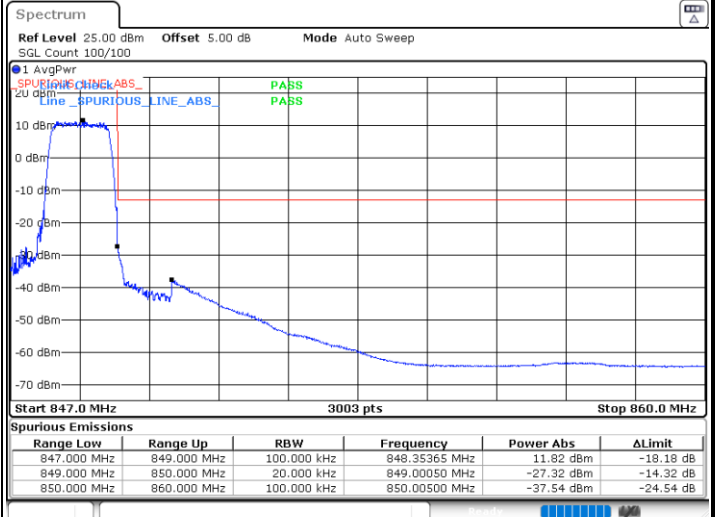
Date: 28.FEB.2024 00:10:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.FEB.2024 23:58:49



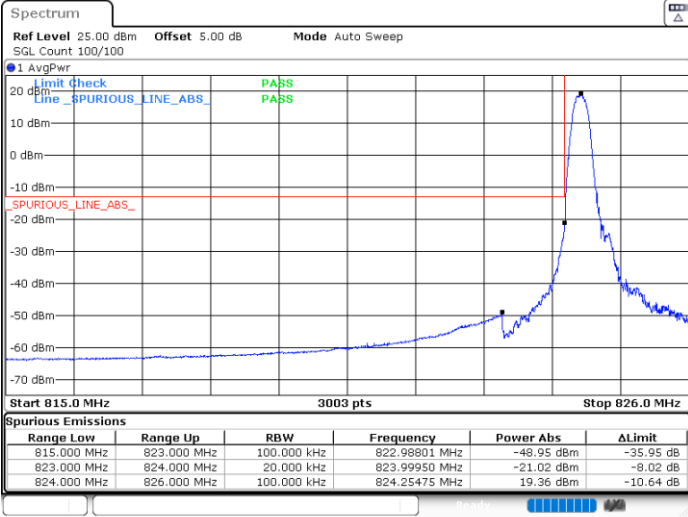
Date: 28.FEB.2024 00:08:17



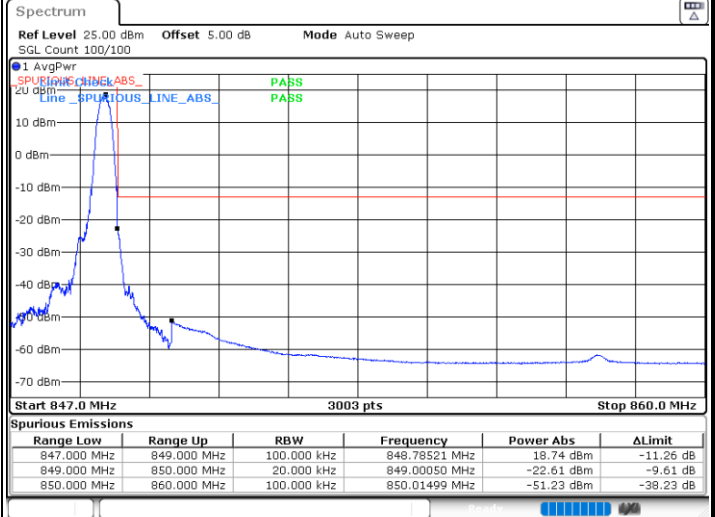
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



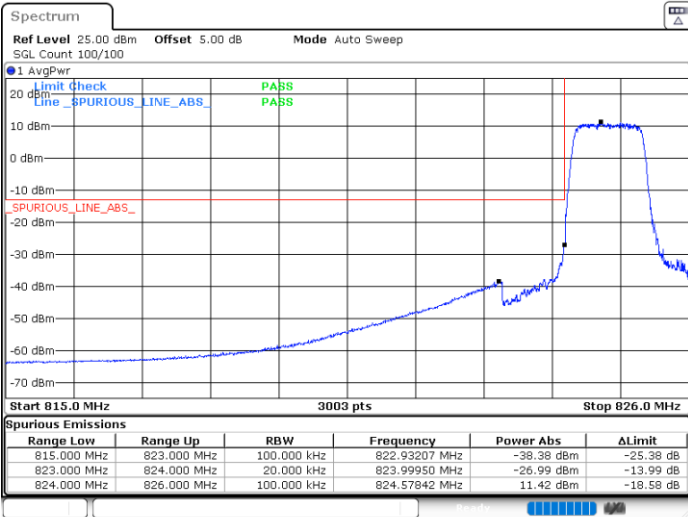
Date: 27.FEB.2024 23:55:53



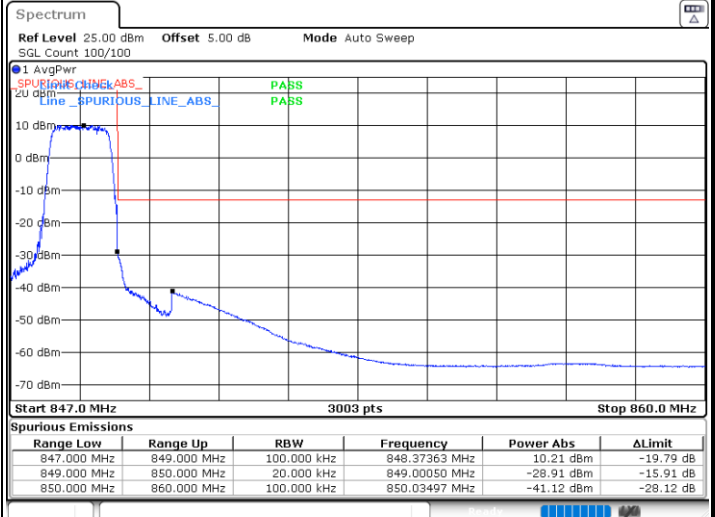
Date: 28.FEB.2024 00:11:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.FEB.2024 23:59:34

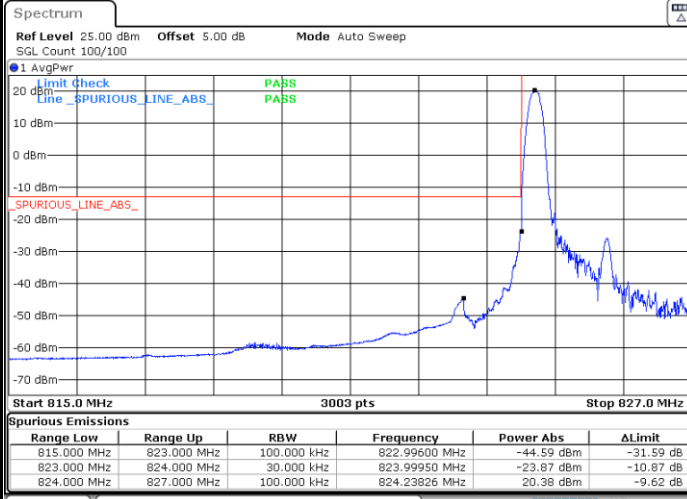


Date: 28.FEB.2024 00:09:05



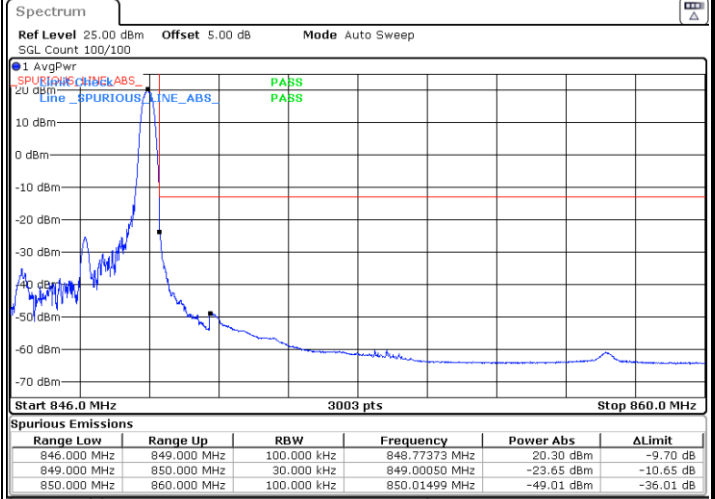
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



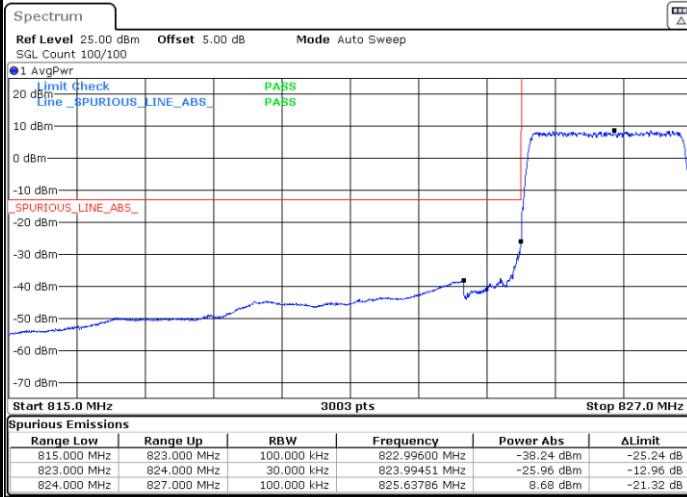
Date: 28.FEB.2024 00:22:16

Highest Band Edge / 1 RB



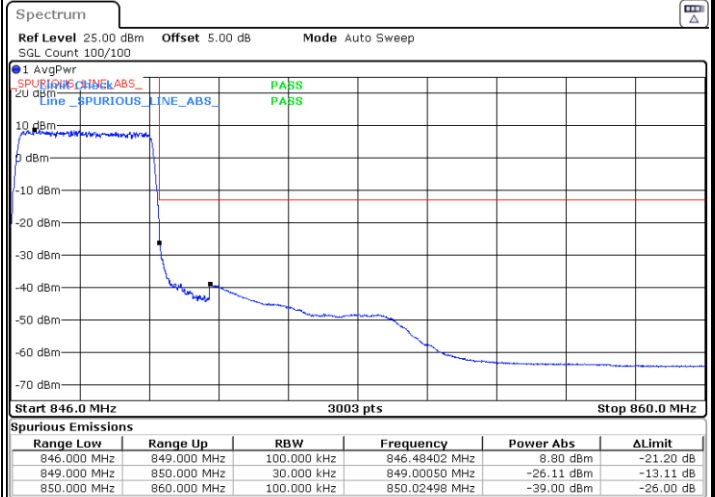
Date: 28.FEB.2024 00:28:30

Lowest Band Edge / Full RB



Date: 28.FEB.2024 00:19:34

Highest Band Edge / Full RB

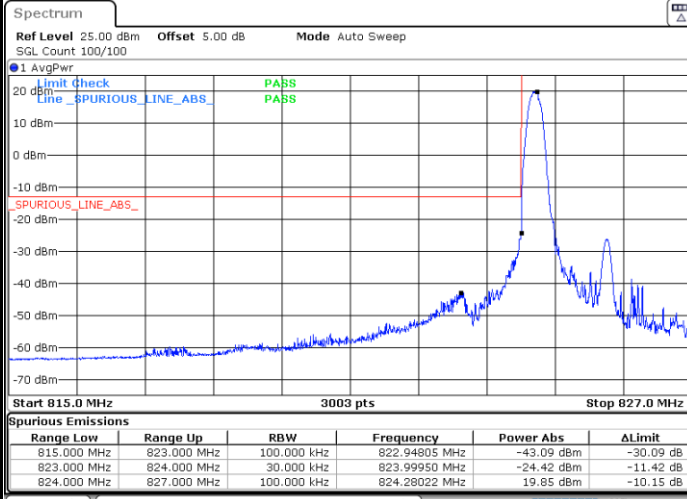


Date: 28.FEB.2024 00:30:54

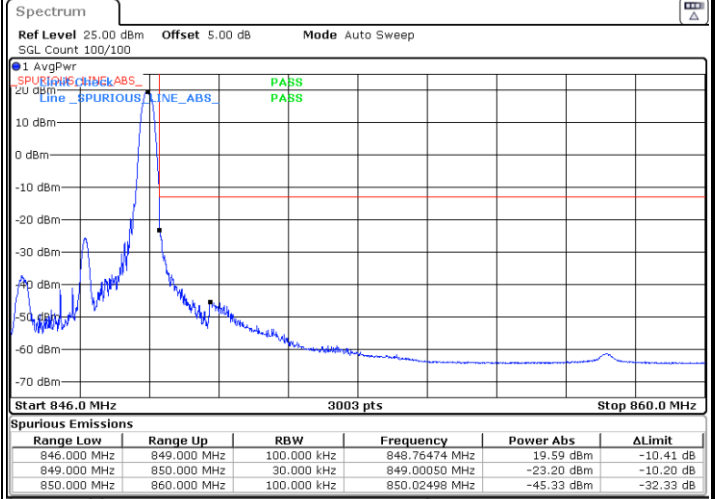


LTE Band 5 / 3MHz / 16QAM

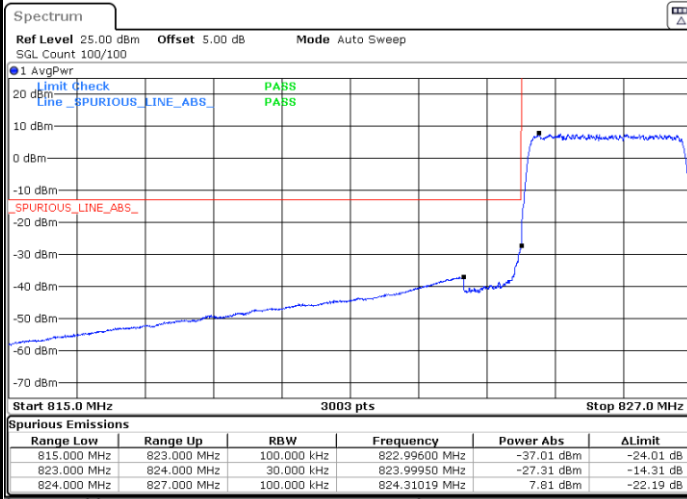
Lowest Band Edge / 1 RB



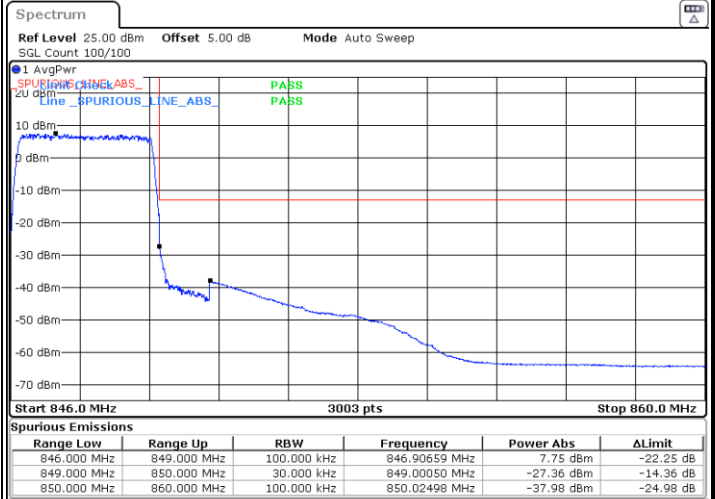
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

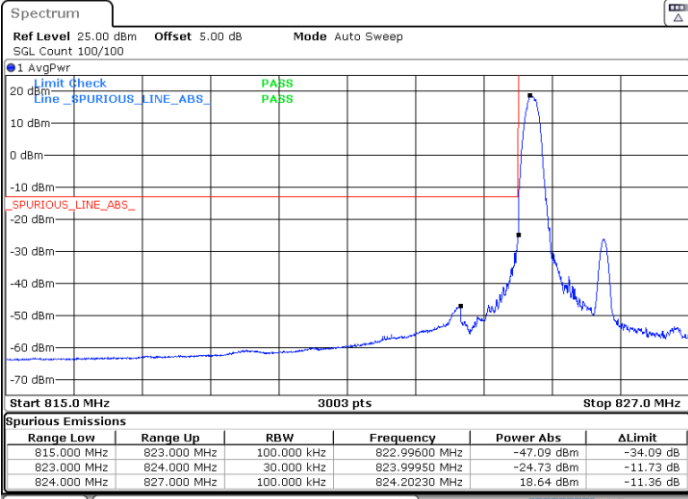




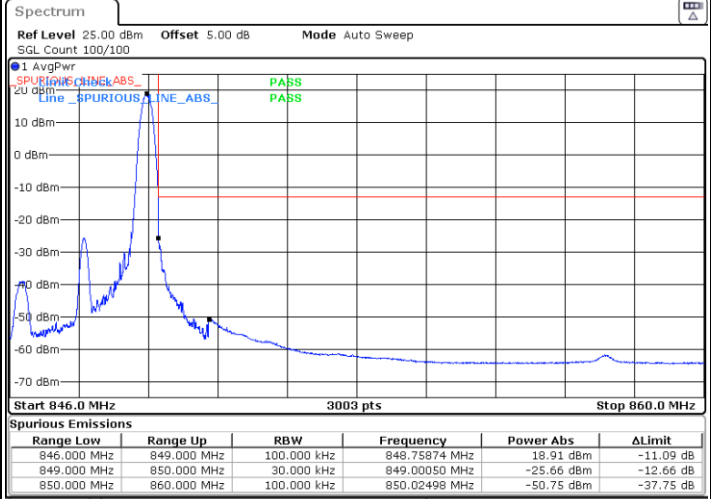
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



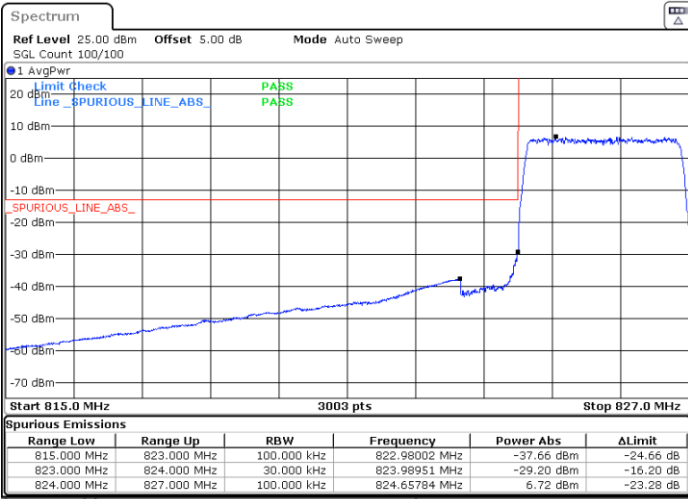
Date: 28.FEB.2024 00:23:47



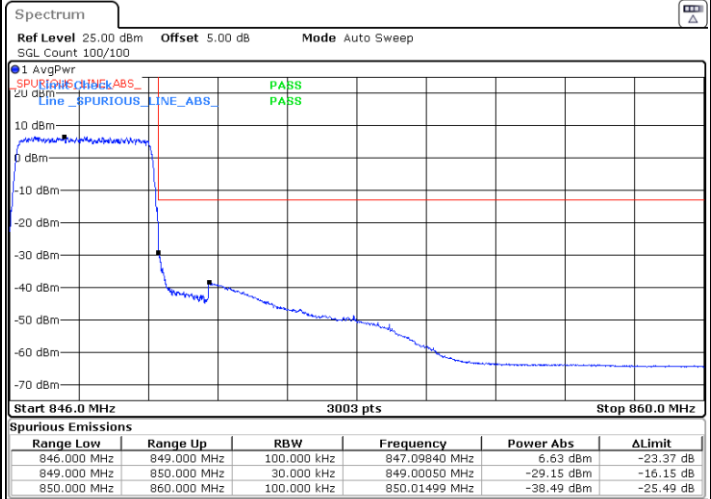
Date: 28.FEB.2024 00:30:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2024 00:21:05



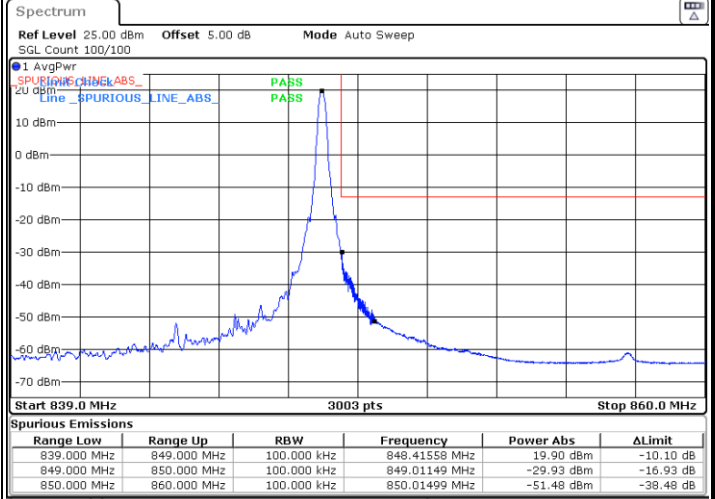
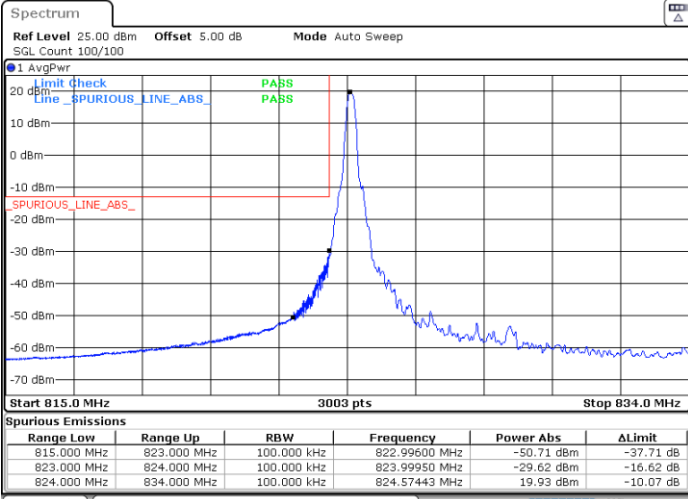
Date: 28.FEB.2024 00:32:30



LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

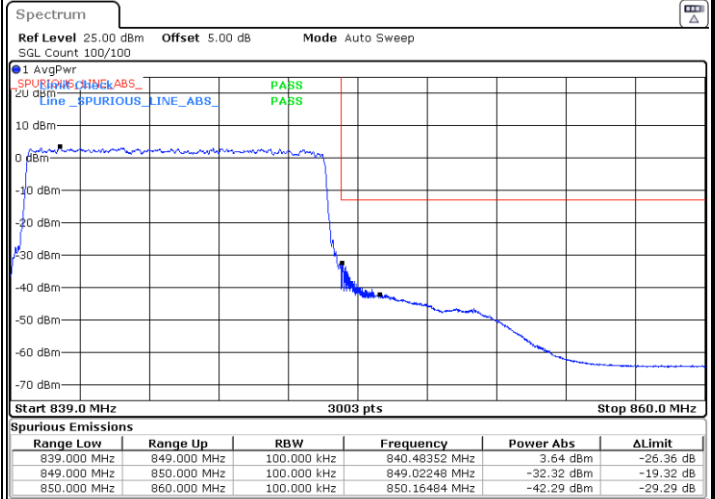
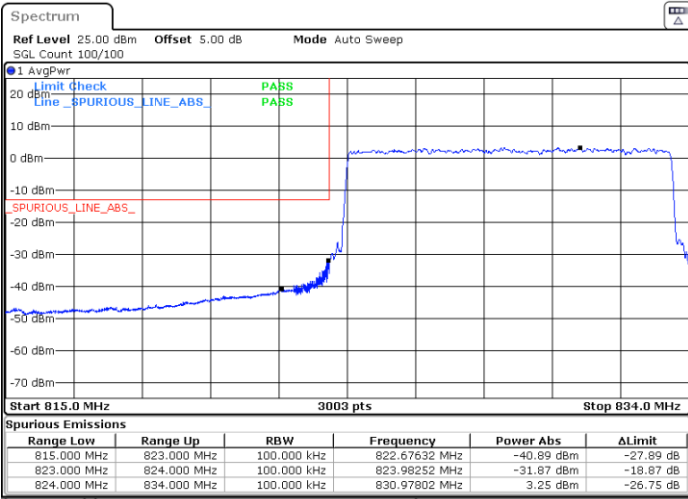


Date: 28.FEB.2024 00:49:01

Date: 28.FEB.2024 00:56:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.FEB.2024 00:46:44

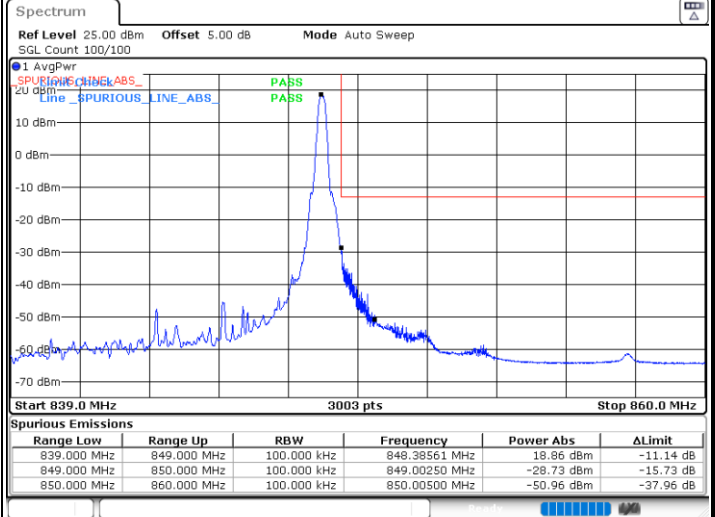
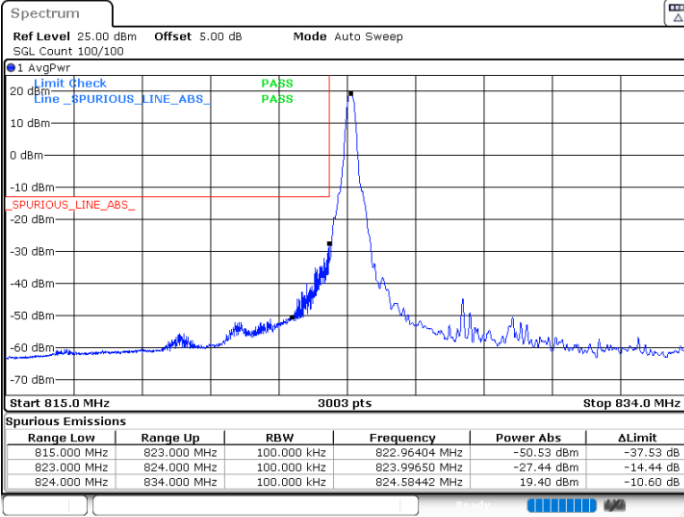
Date: 28.FEB.2024 00:58:51



LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

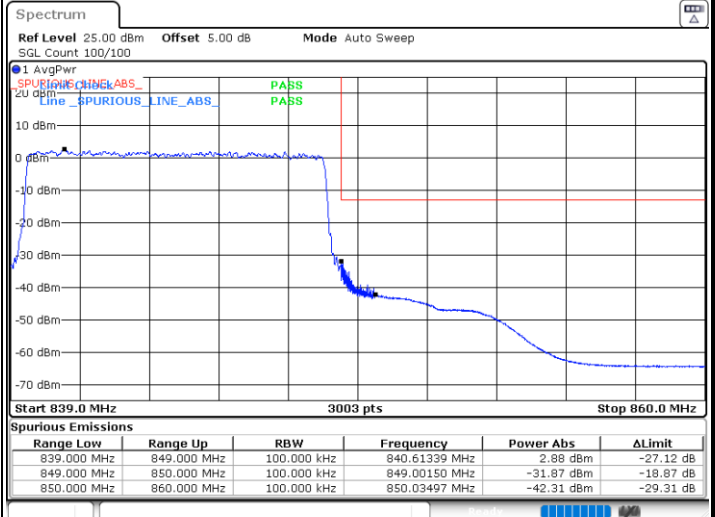
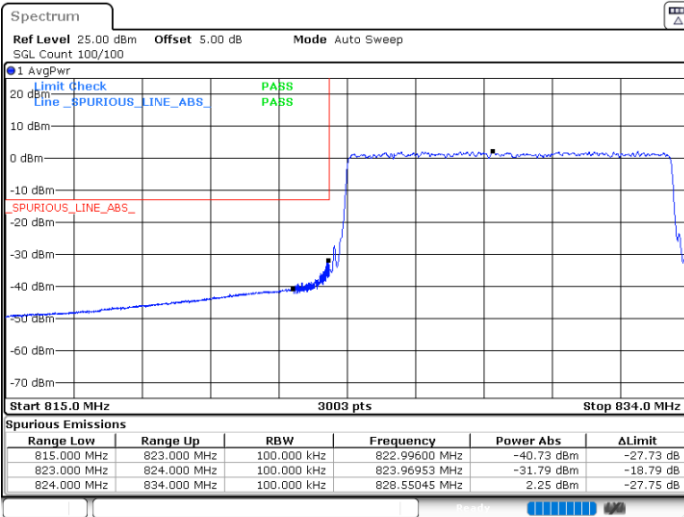


Date: 28.FEB.2024 00:49:46

Date: 28.FEB.2024 00:57:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



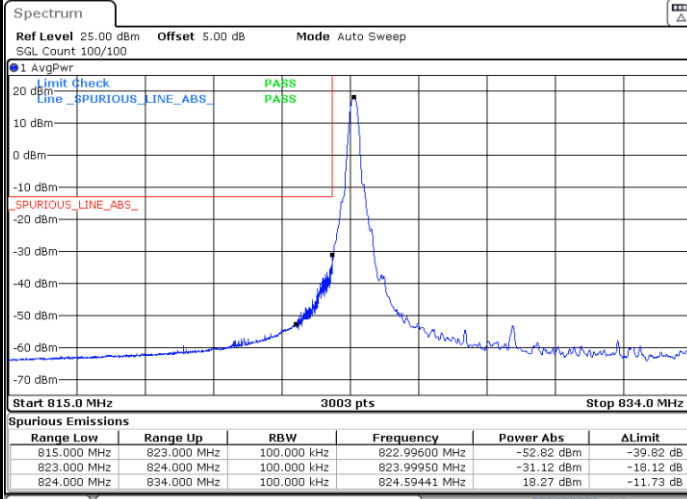
Date: 28.FEB.2024 00:47:30

Date: 28.FEB.2024 00:59:39

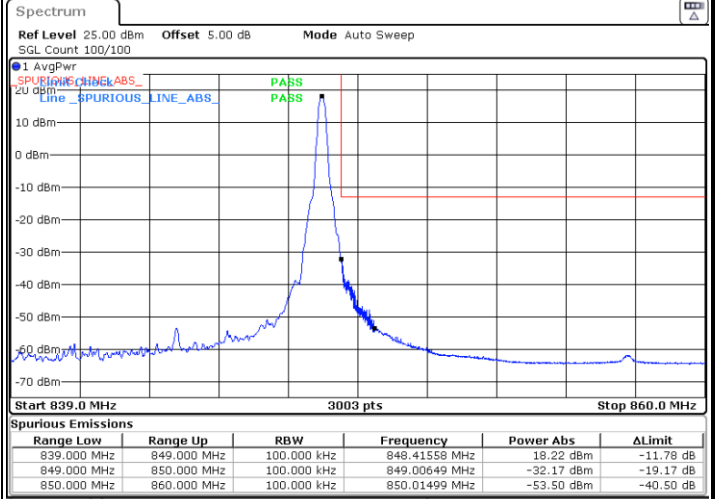


LTE Band 5 / 10MHz / 64QAM

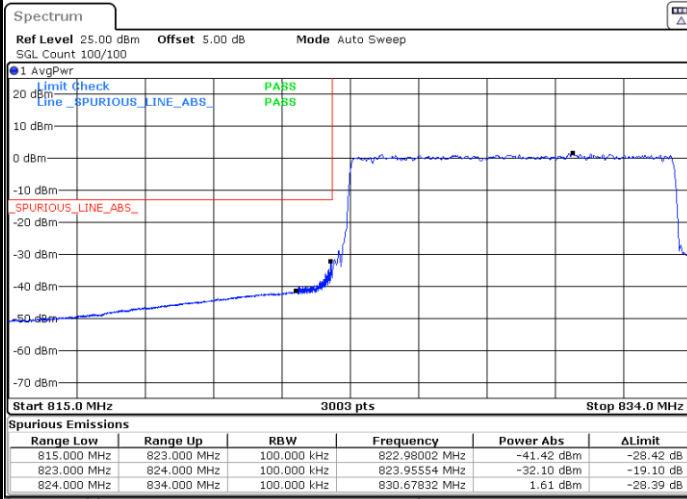
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

