

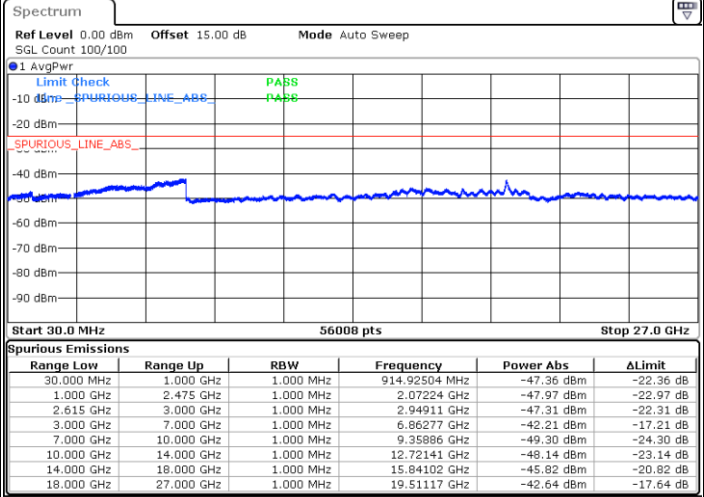
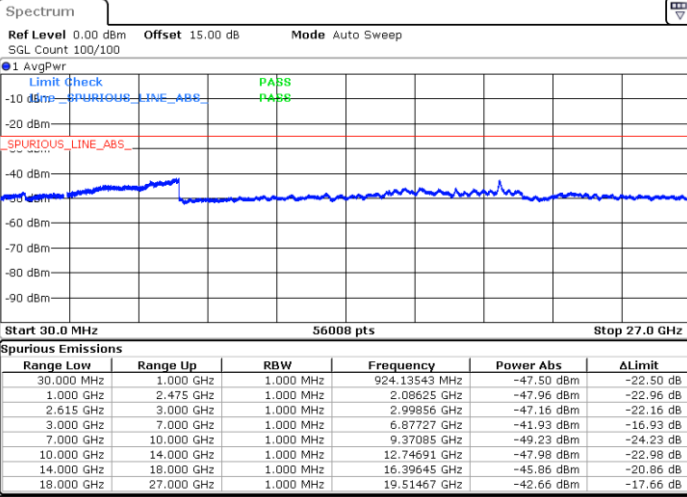


LTE Band 7C / 15MHz+10MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

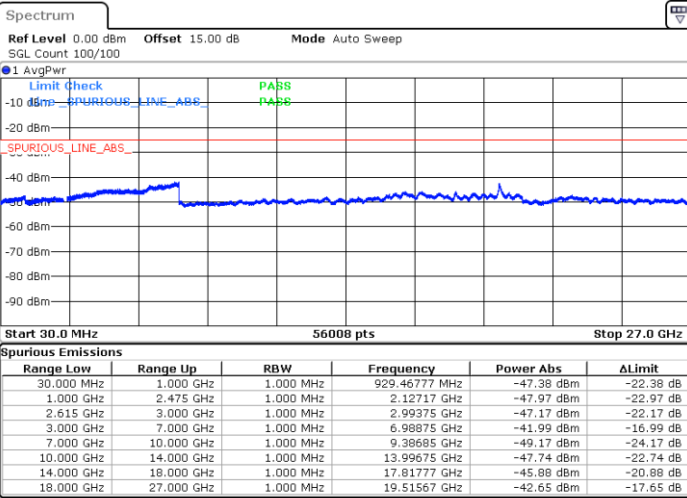
Middle Channel / 1RB74 and 1RB0



Date: 7 APR 2024 15:33:08

Date: 7 APR 2024 15:34:35

Highest Channel / 1RB74 and 1RB0



Date: 7 APR 2024 15:48:42

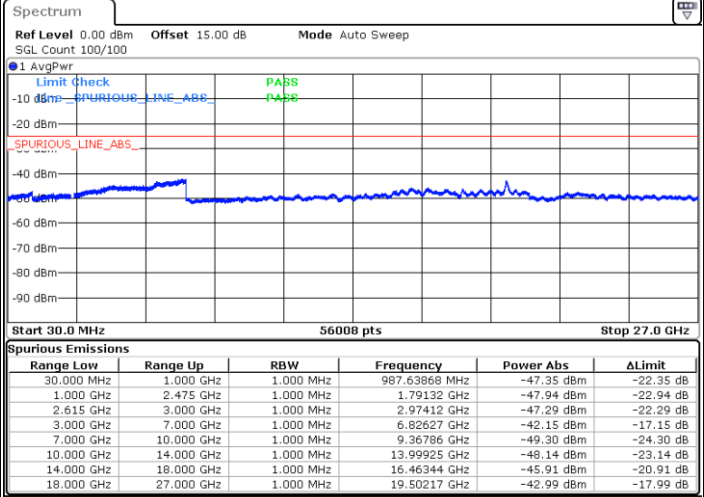
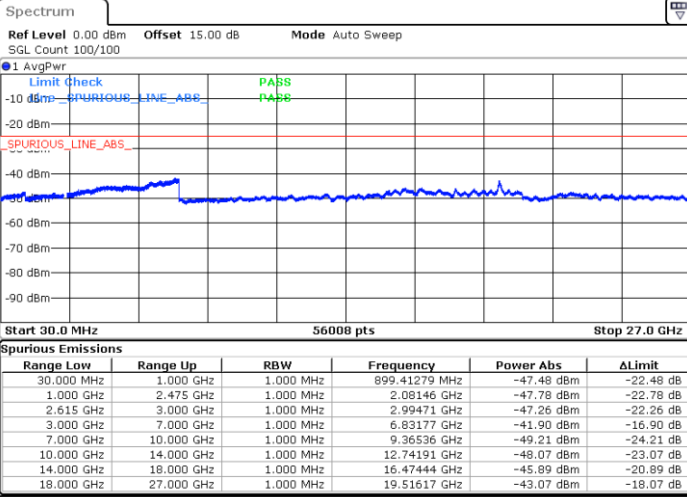


LTE Band 7C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

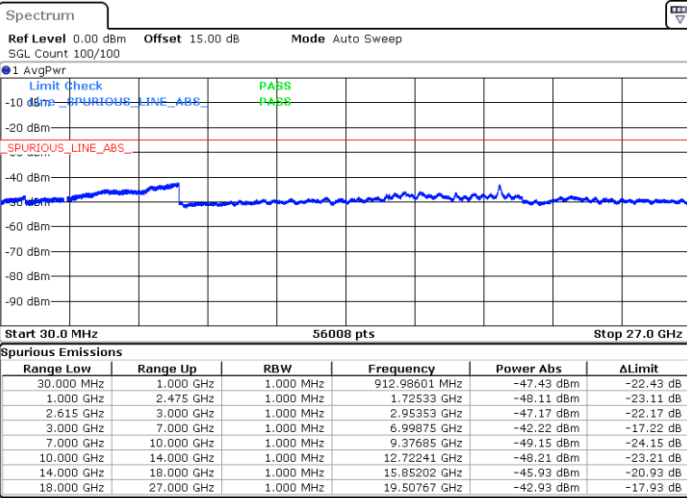
Middle Channel / 1RB74 and 1RB0



Date: 7 APR 2024 14:12:41

Date: 7 APR 2024 14:11:17

Highest Channel / 1RB74 and 1RB0



Date: 7 APR 2024 14:26:10

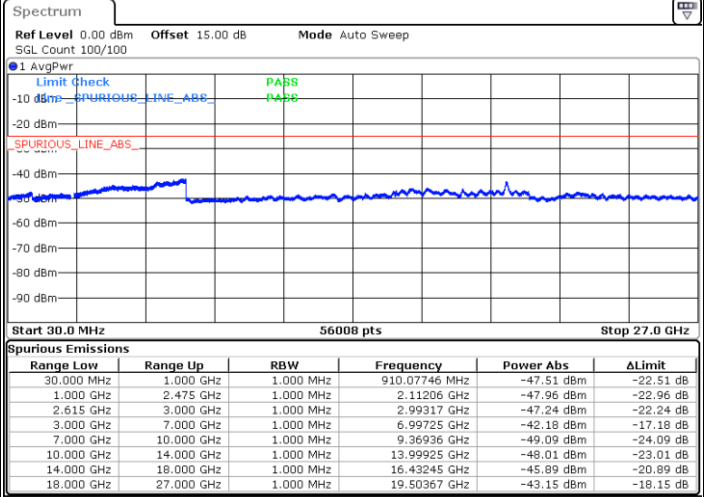
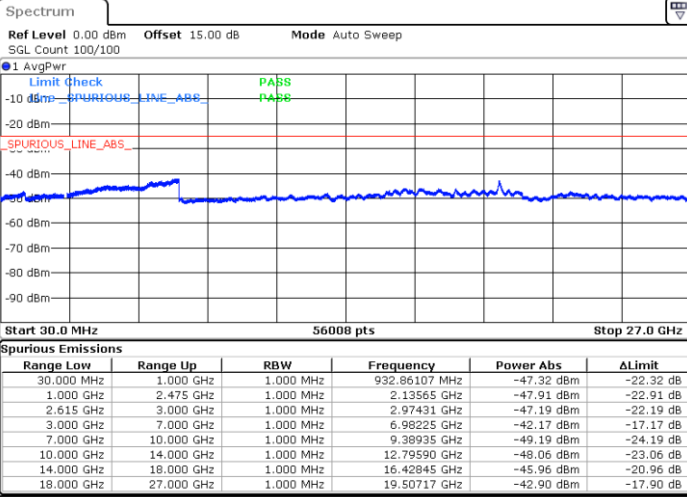


LTE Band 7C / 15MHz+20MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

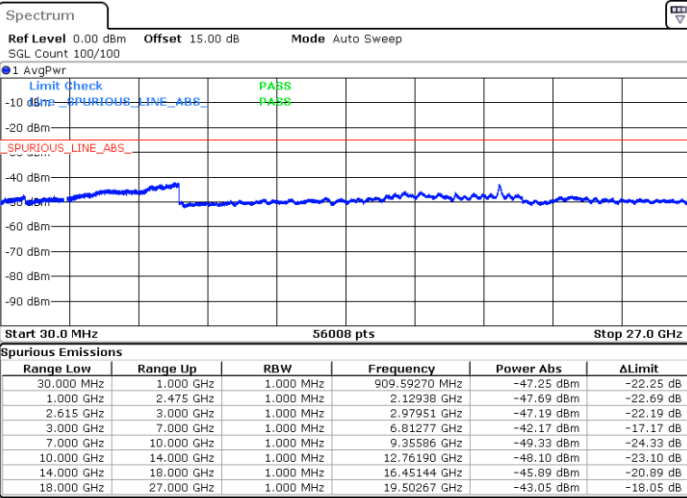
Middle Channel / 1RB74 and 1RB0



Date: 7 APR 2024 14:29:44

Date: 7 APR 2024 14:31:10

Highest Channel / 1RB74 and 1RB0



Date: 7 APR 2024 14:45:17

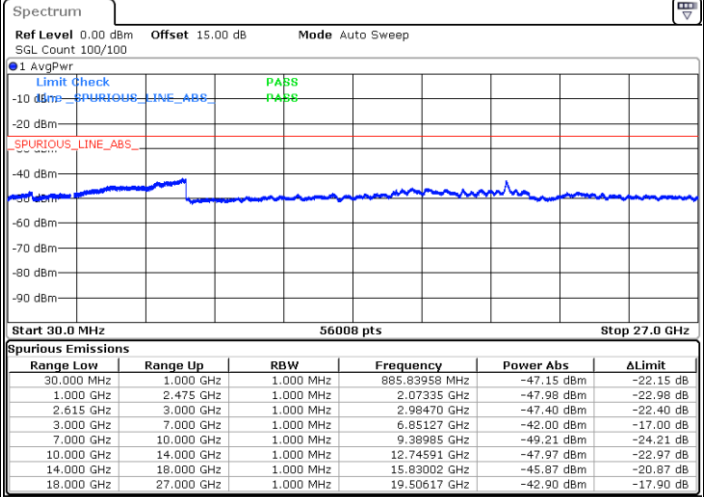
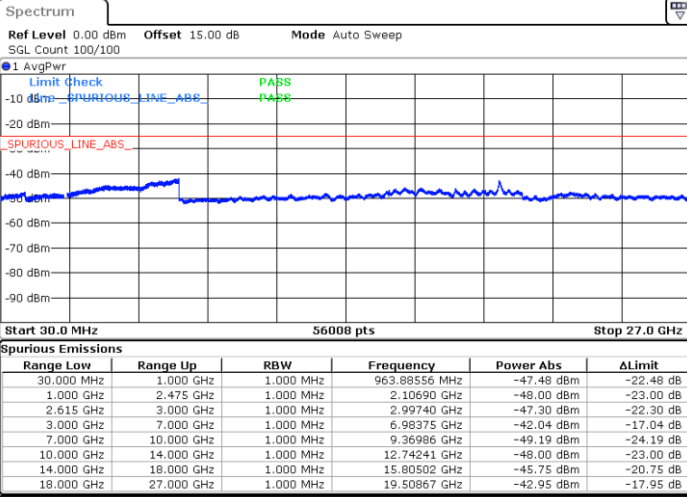


LTE Band 7C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

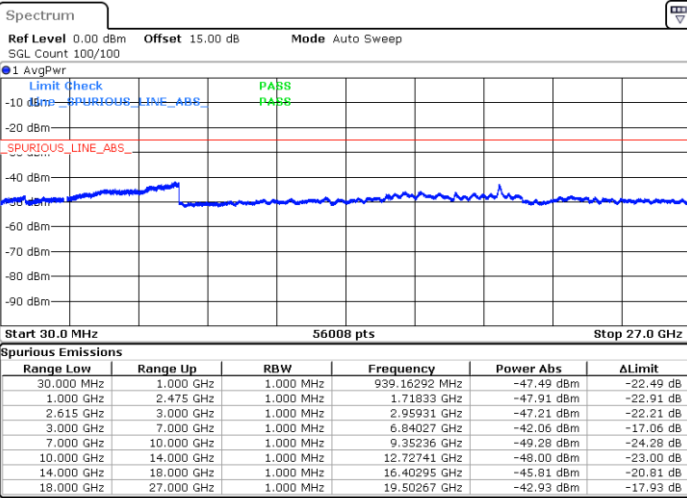
Middle Channel / 1RB99 and 1RB0



Date: 7 APR 2024 13:40:29

Date: 7 APR 2024 13:39:03

Highest Channel / 1RB99 and 1RB0



Date: 7 APR 2024 14:07:51

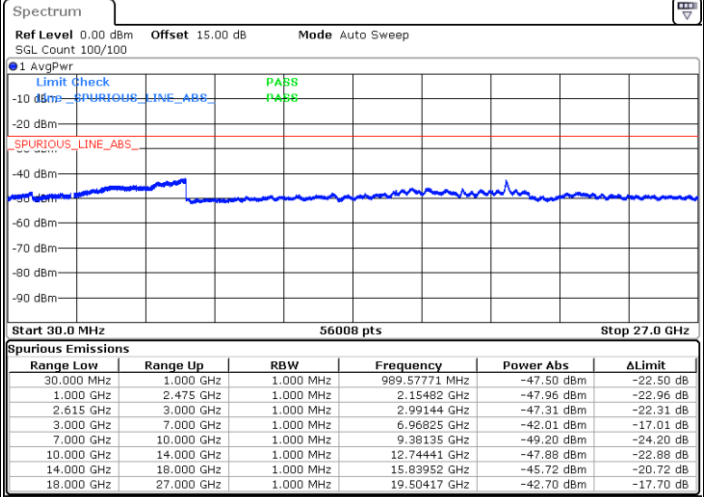
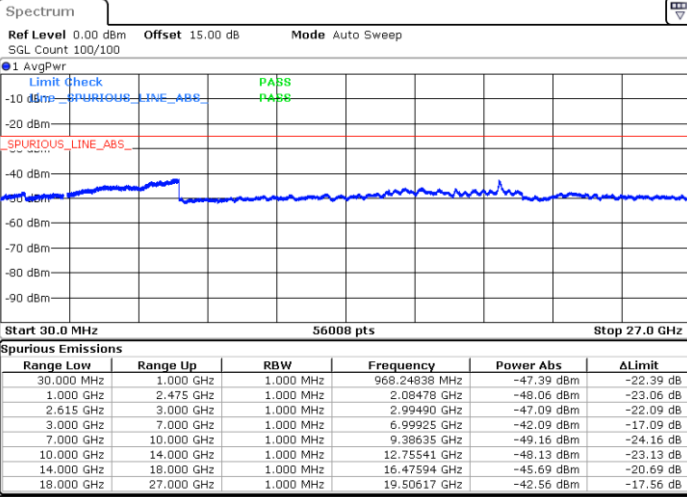


LTE Band 7C / 20MHz+15MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

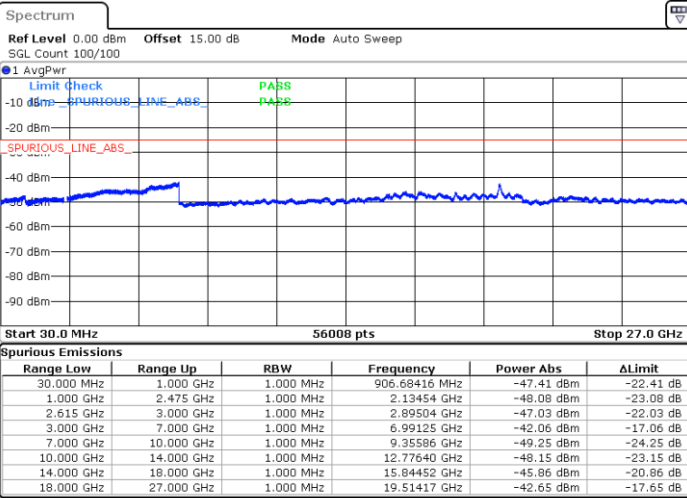
Middle Channel / 1RB99 and 1RB0



Date: 7 APR 2024 16:04:44

Date: 7 APR 2024 14:56:43

Highest Channel / 1RB99 and 1RB0



Date: 7 APR 2024 15:10:57

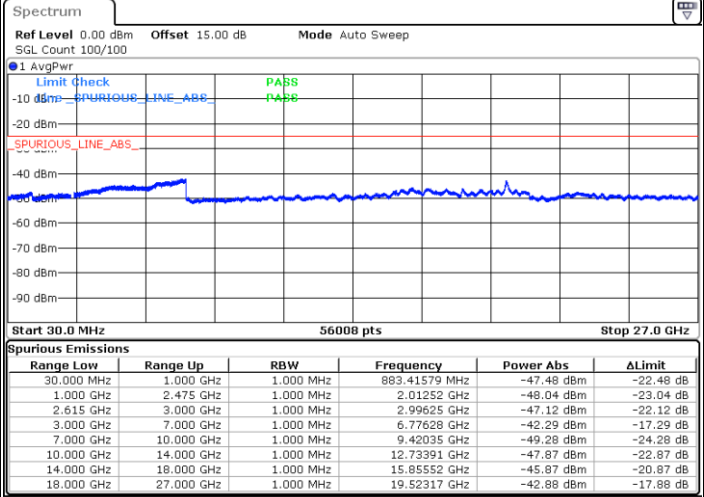
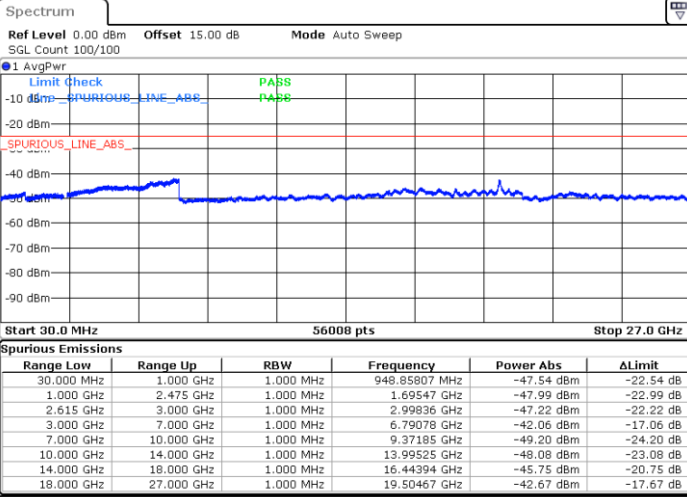


LTE Band 7C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

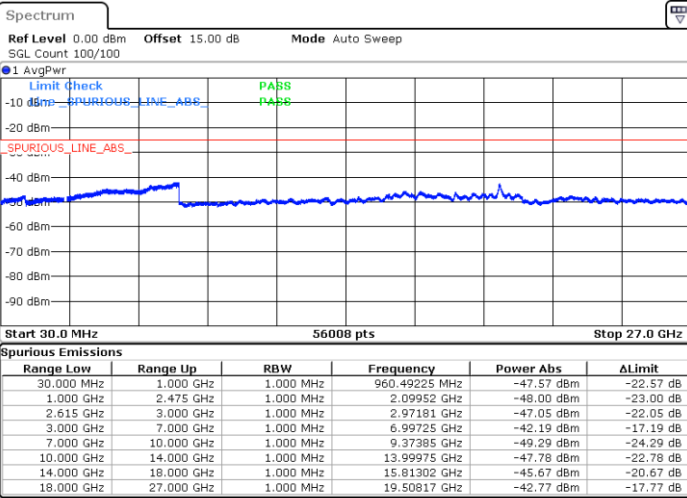
Middle Channel / 1RB99 and 1RB0



Date: 7 APR 2024 16:07:29

Date: 7 APR 2024 15:15:45

Highest Channel / 1RB99 and 1RB0



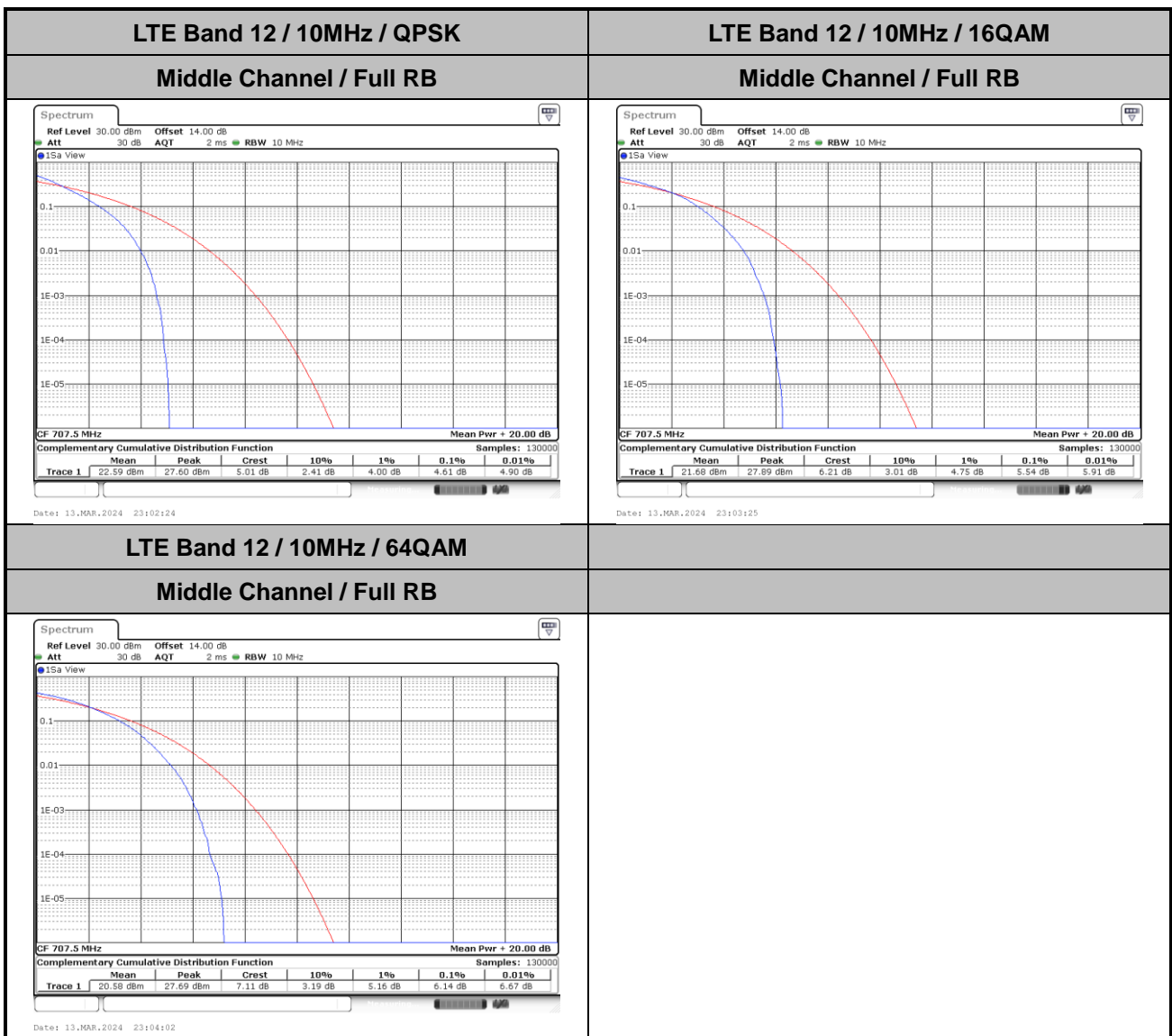
Date: 7 APR 2024 15:29:16



LTE Band 12

Peak-to-Average Ratio

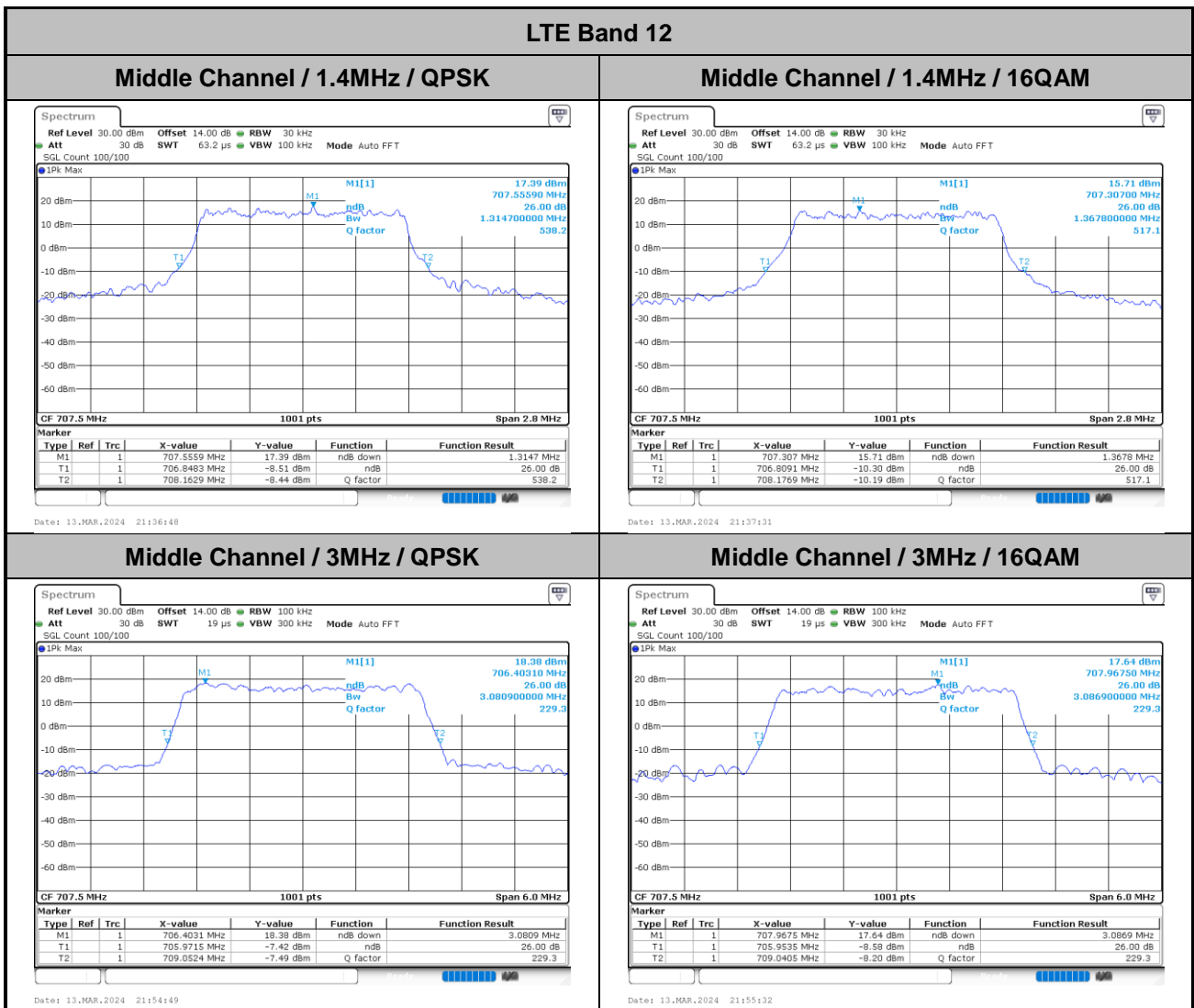
Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.61	5.54	6.14	PASS





26dB Bandwidth

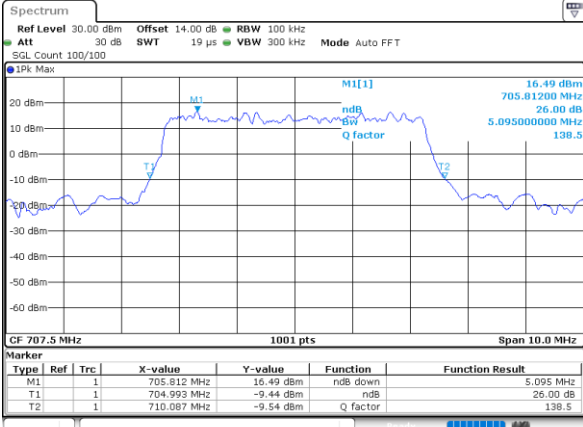
Mode	LTE Band 12 : 26dB BW(MHz)									
BW	1.4MHz		3MHz		5MHz		10MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	1.31	1.37	3.08	3.09	5.10	5.08	9.83	9.77		





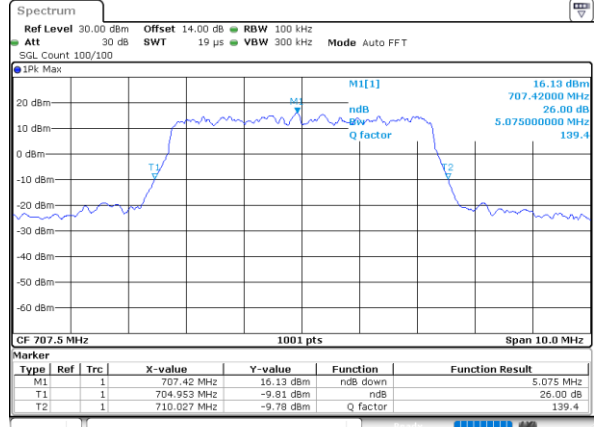
LTE Band 12

Middle Channel / 5MHz / QPSK



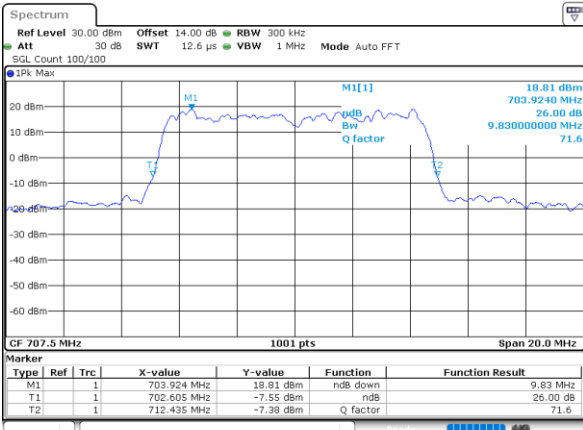
Date: 13.MAR.2024 22:12:51

Middle Channel / 5MHz / 16QAM



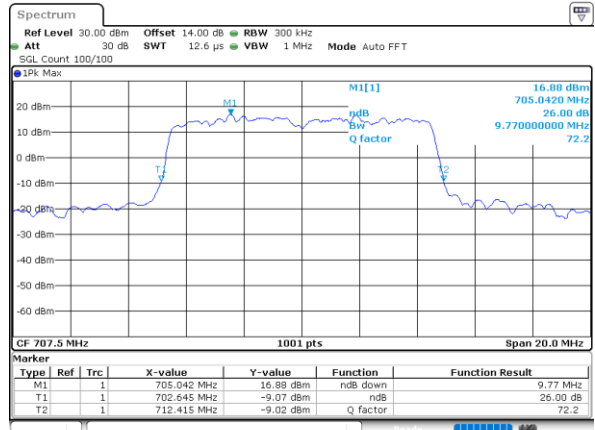
Date: 13.MAR.2024 22:13:34

Middle Channel / 10MHz / QPSK



Date: 13.MAR.2024 22:30:52

Middle Channel / 10MHz / 16QAM

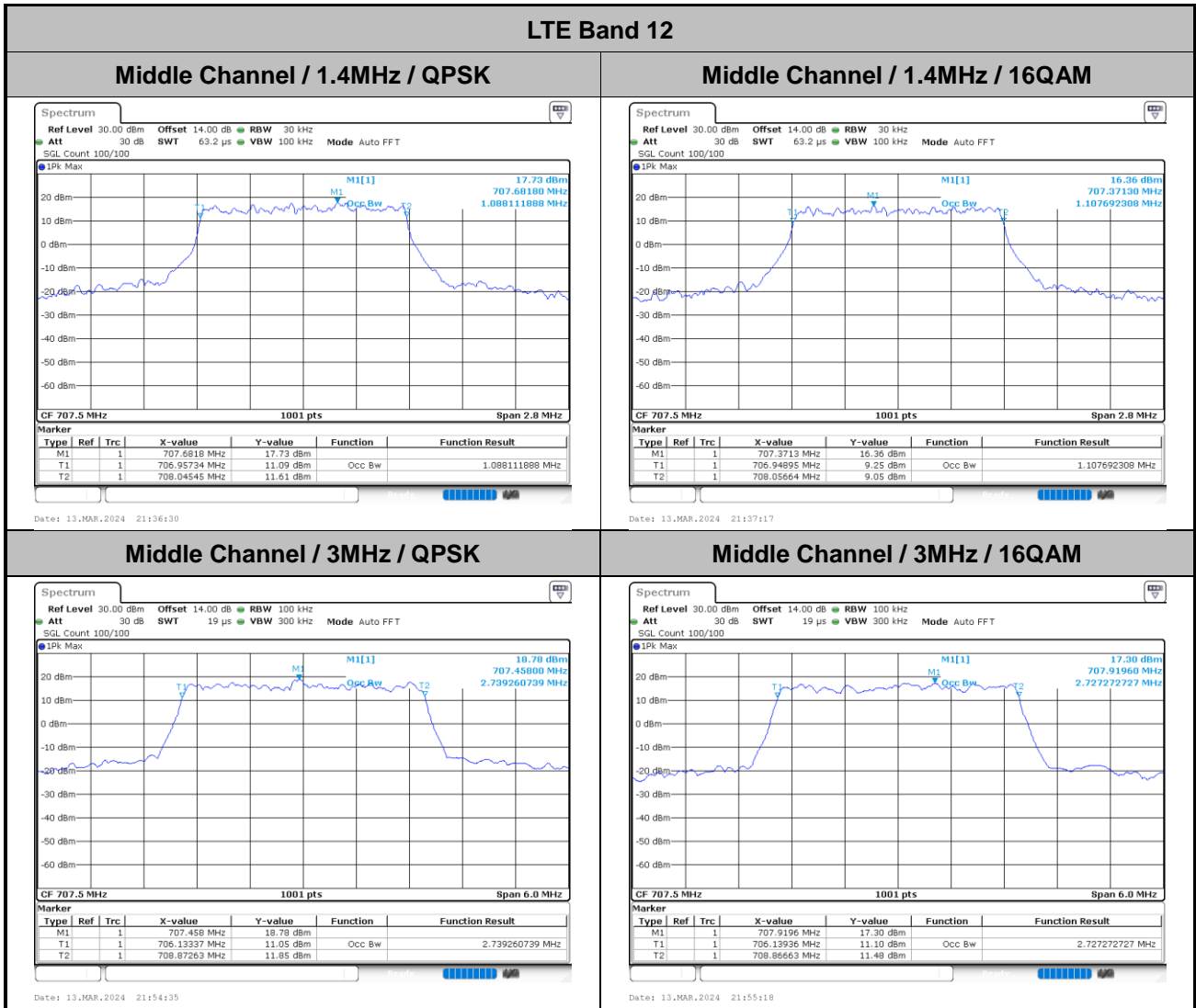


Date: 13.MAR.2024 22:31:35



Occupied Bandwidth

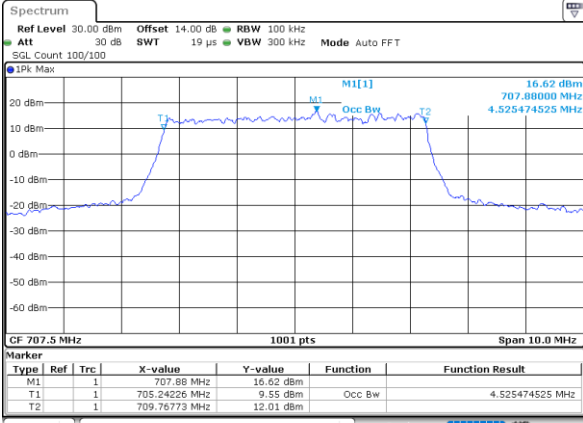
Mode	LTE Band 12 : 99%OBW(MHz)									
BW	1.4MHz		3MHz		5MHz		10MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	1.09	1.11	2.74	2.73	4.53	4.48	8.99	9.05		





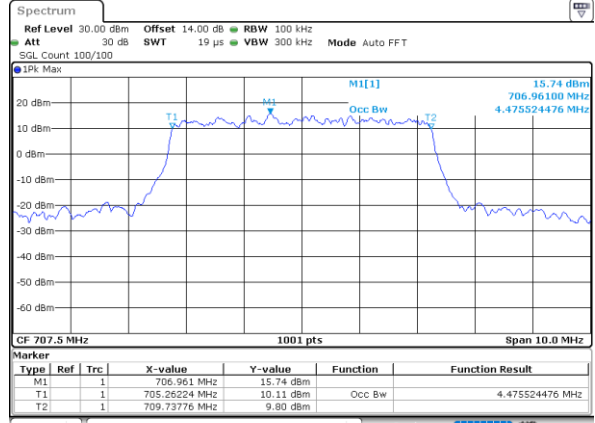
LTE Band 12

Middle Channel / 5MHz / QPSK



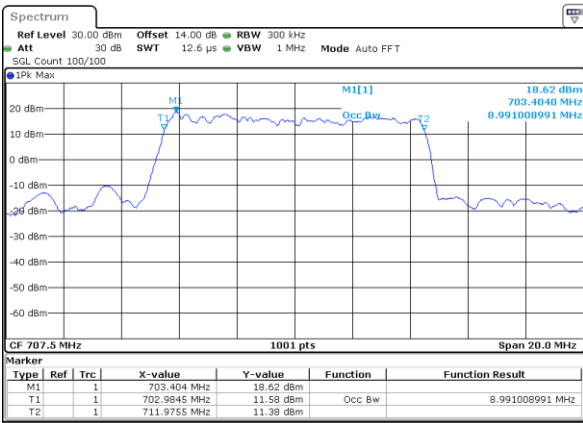
Date: 13.MAR.2024 22:12:37

Middle Channel / 5MHz / 16QAM



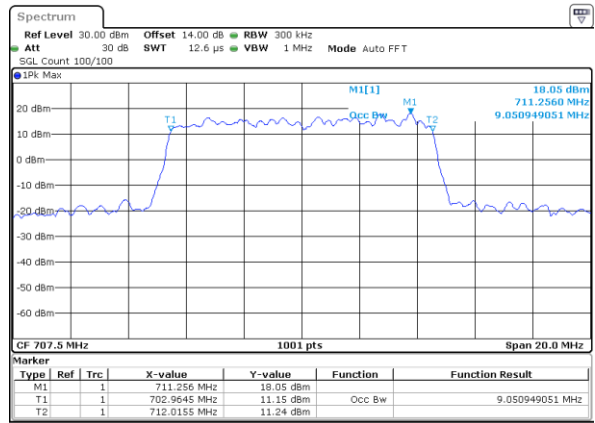
Date: 13.MAR.2024 22:13:20

Middle Channel / 10MHz / QPSK



Date: 13.MAR.2024 22:30:39

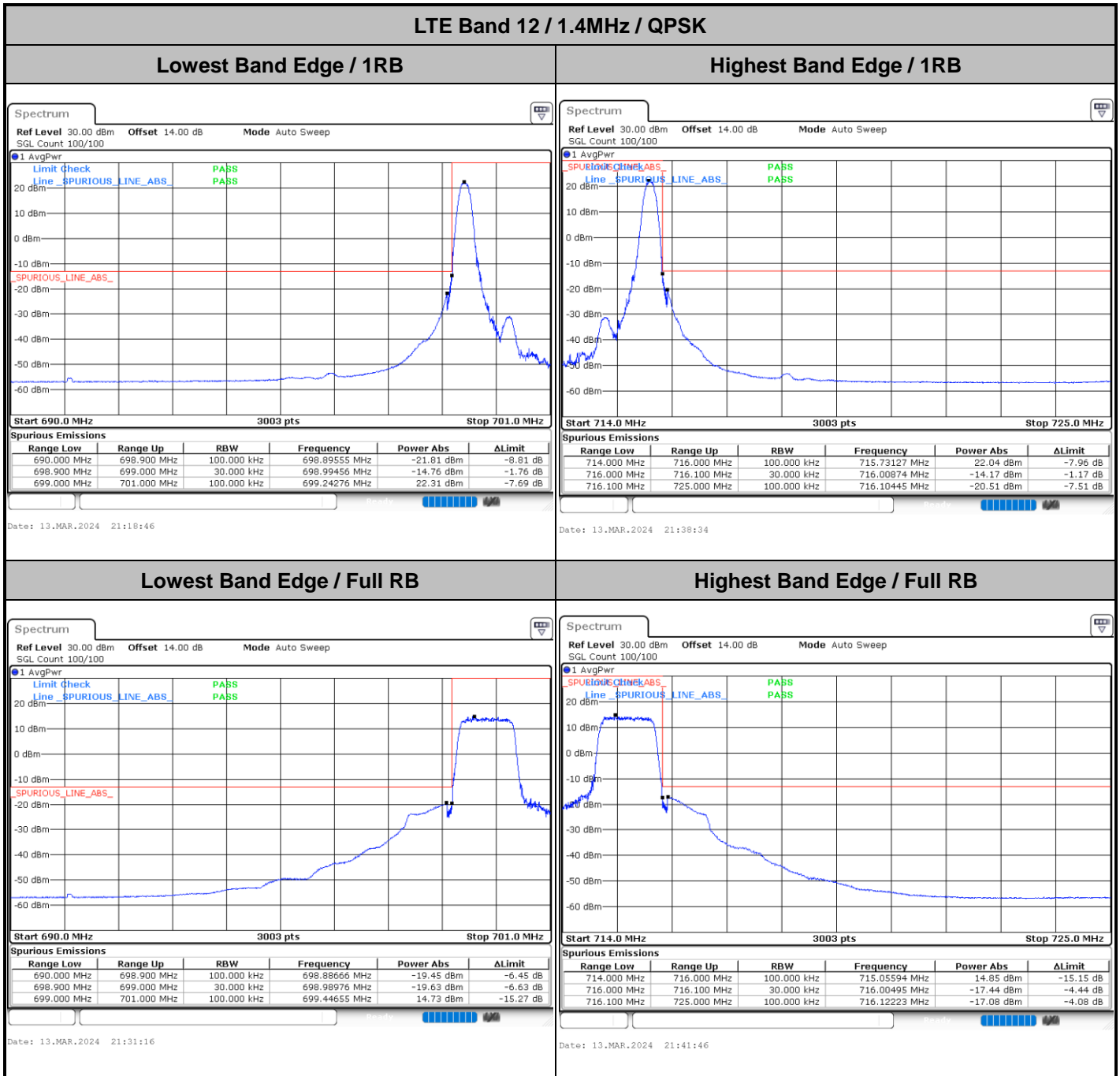
Middle Channel / 10MHz / 16QAM



Date: 13.MAR.2024 22:31:21



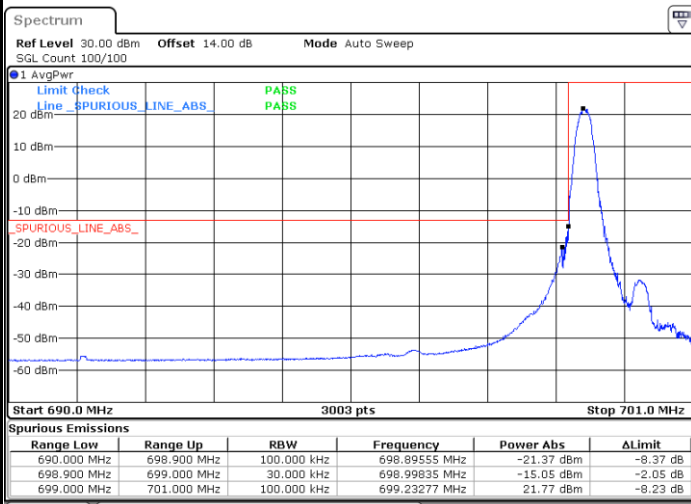
Conducted Band Edge





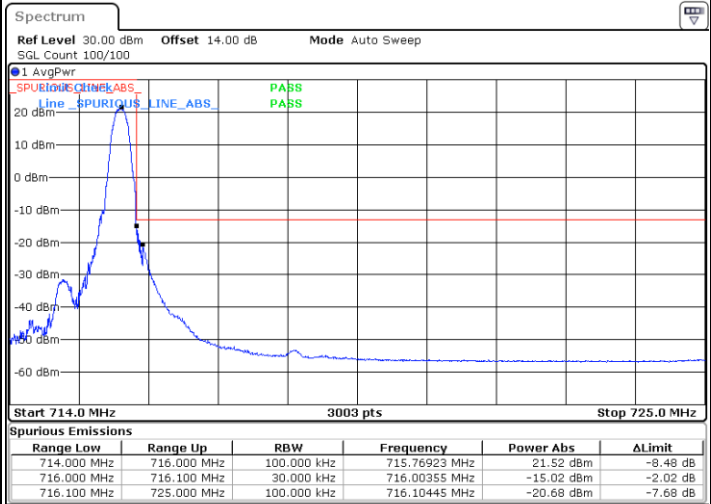
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



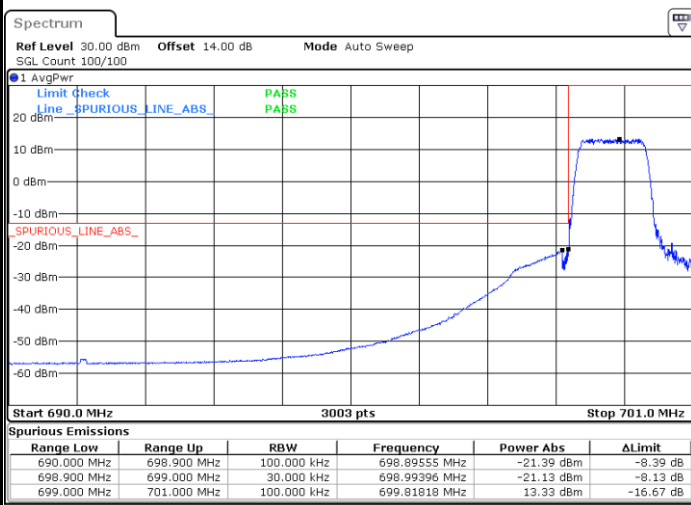
Date: 13.MAR.2024 21:29:05

Highest Band Edge / 1 RB



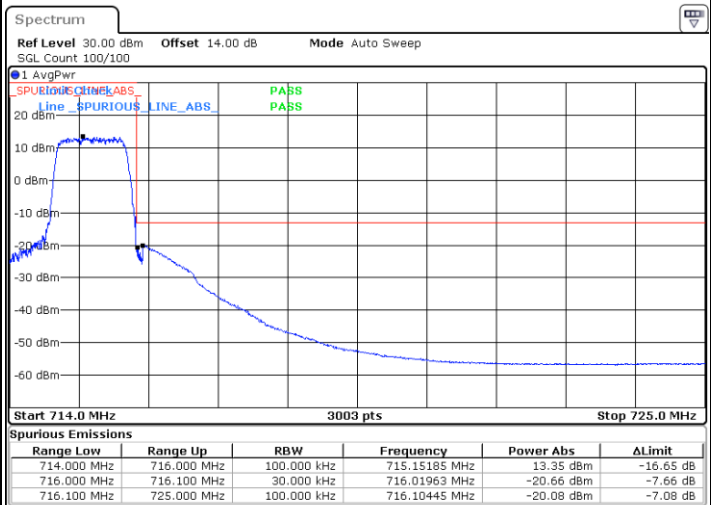
Date: 13.MAR.2024 21:39:38

Lowest Band Edge / Full RB



Date: 13.MAR.2024 21:32:23

Highest Band Edge / Full RB

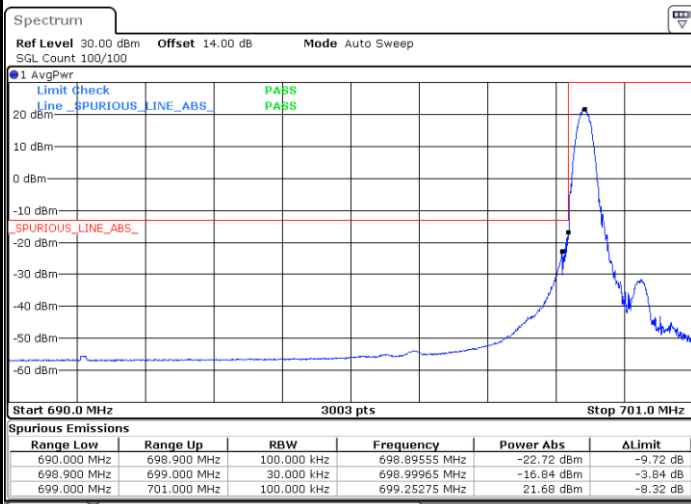


Date: 13.MAR.2024 21:42:51



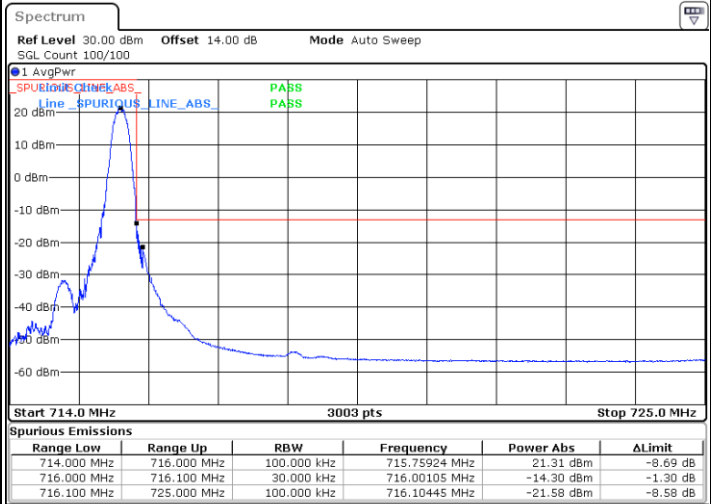
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



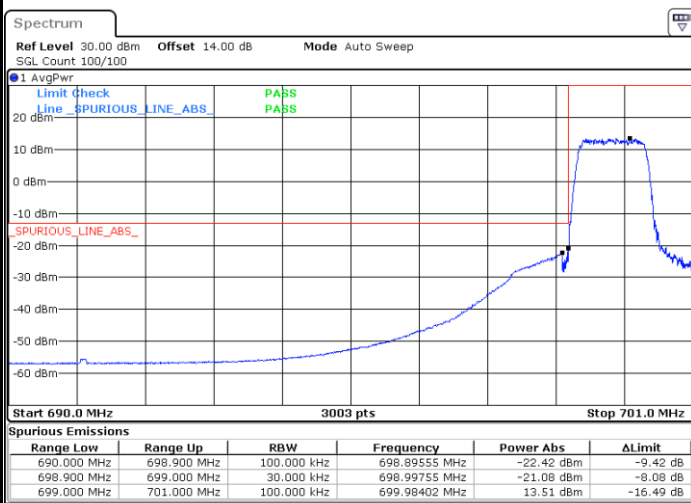
Date: 13.MAR.2024 21:30:12

Highest Band Edge / 1 RB



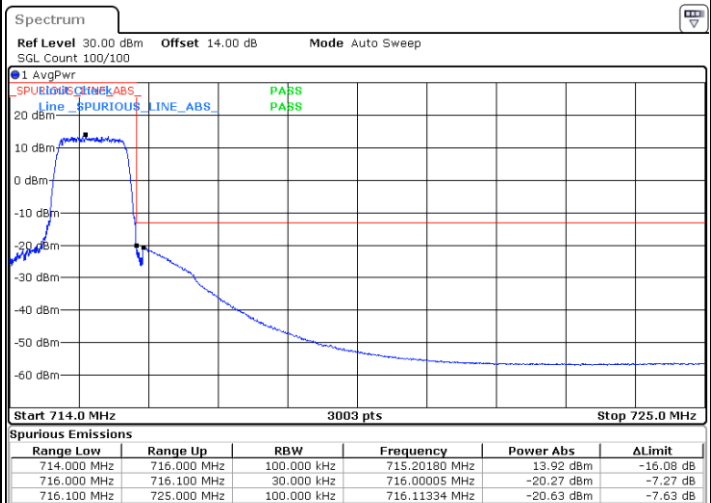
Date: 13.MAR.2024 21:40:42

Lowest Band Edge / Full RB



Date: 13.MAR.2024 21:33:29

Highest Band Edge / Full RB

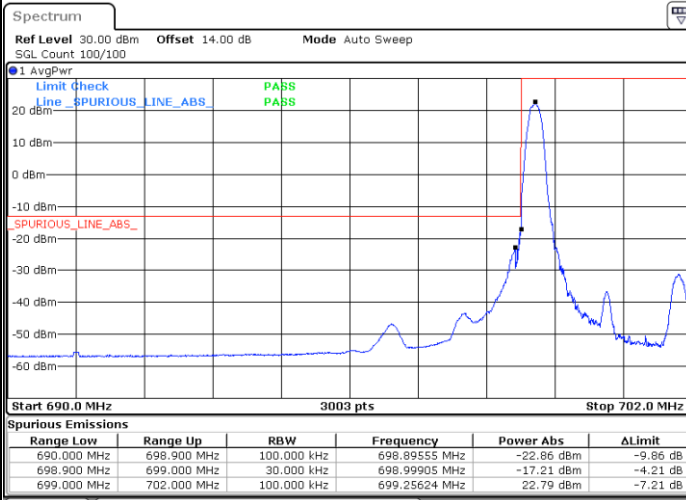


Date: 13.MAR.2024 21:43:55



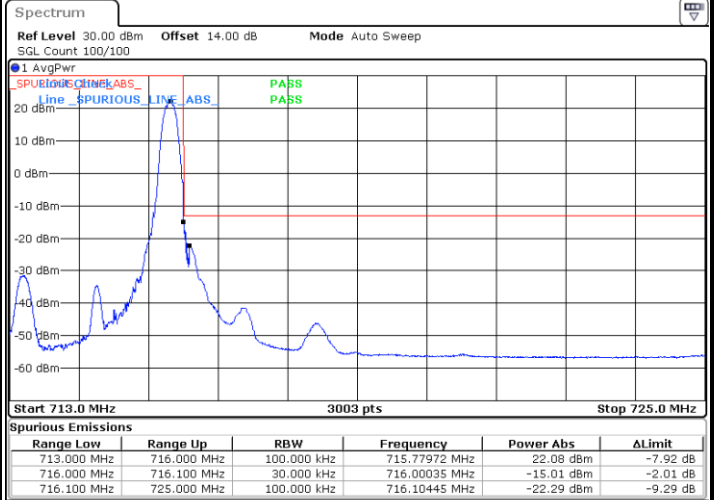
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



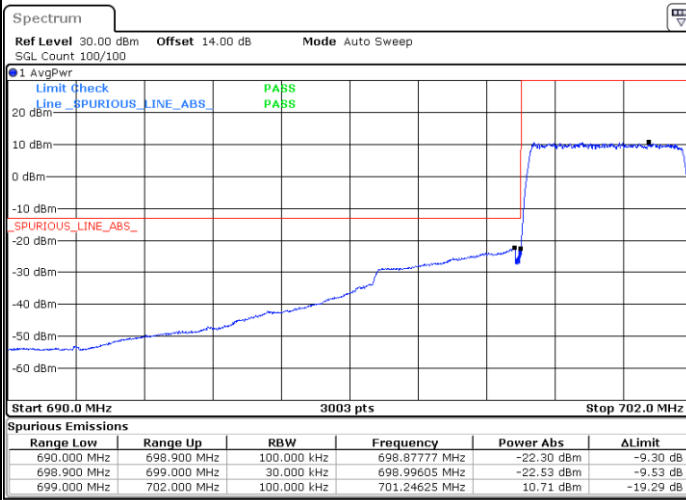
Date: 13.MAR.2024 21:46:18

Highest Band Edge / 1RB



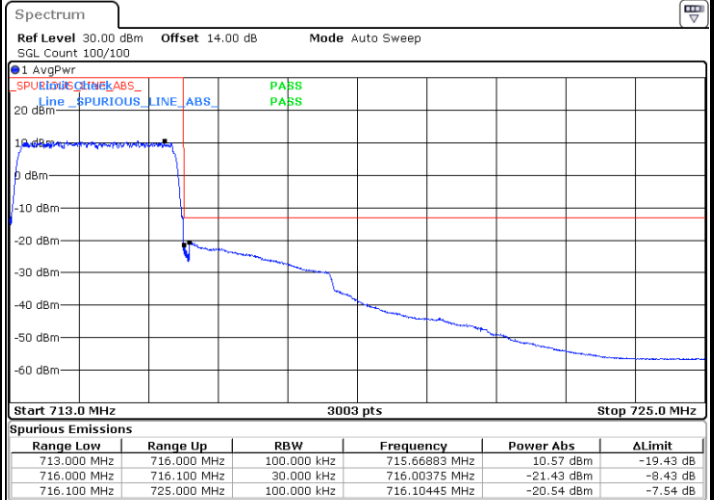
Date: 13.MAR.2024 21:56:35

Lowest Band Edge / Full RB



Date: 13.MAR.2024 21:49:31

Highest Band Edge / Full RB

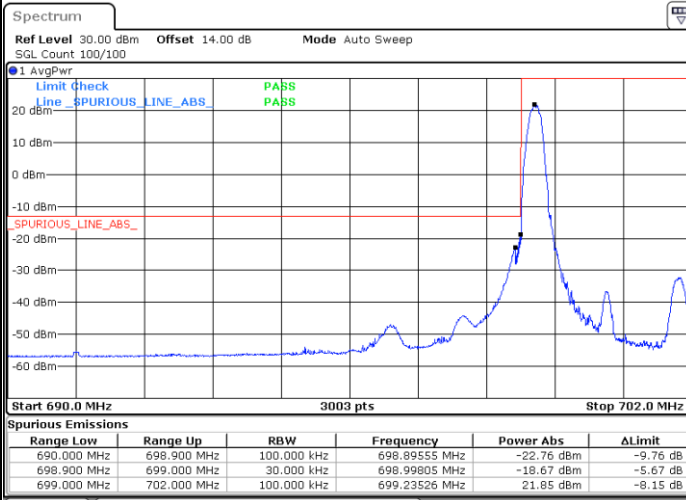


Date: 13.MAR.2024 21:59:48



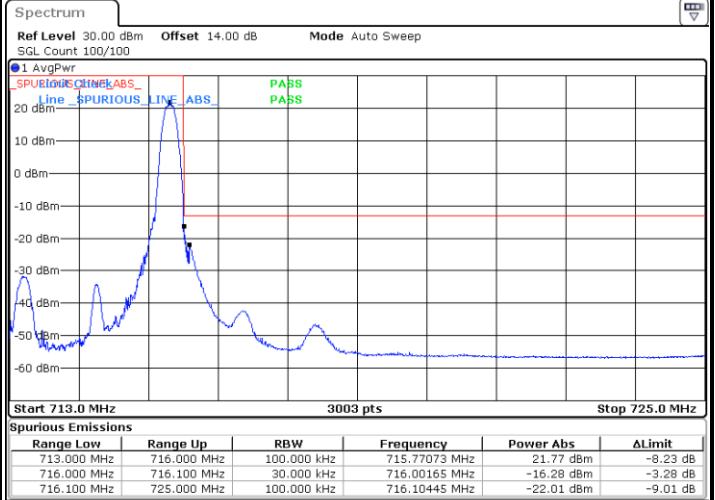
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



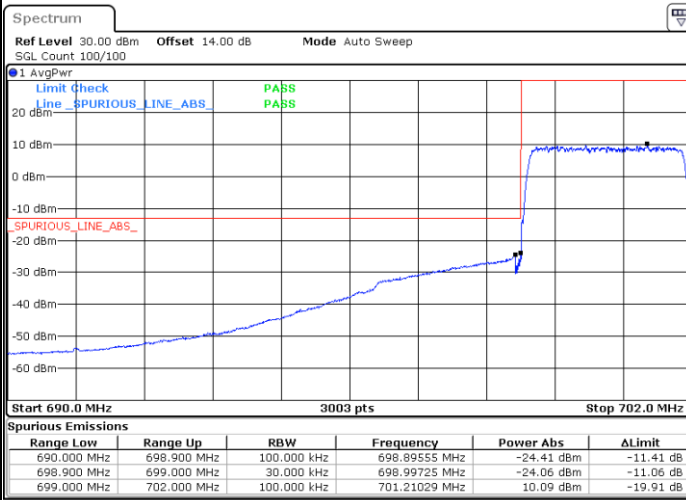
Date: 13.MAR.2024 21:47:22

Highest Band Edge / 1 RB



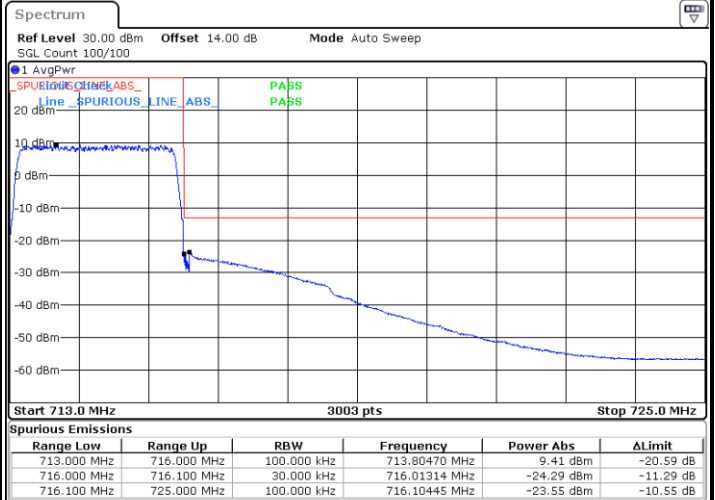
Date: 13.MAR.2024 21:57:40

Lowest Band Edge / Full RB



Date: 13.MAR.2024 21:50:35

Highest Band Edge / Full RB

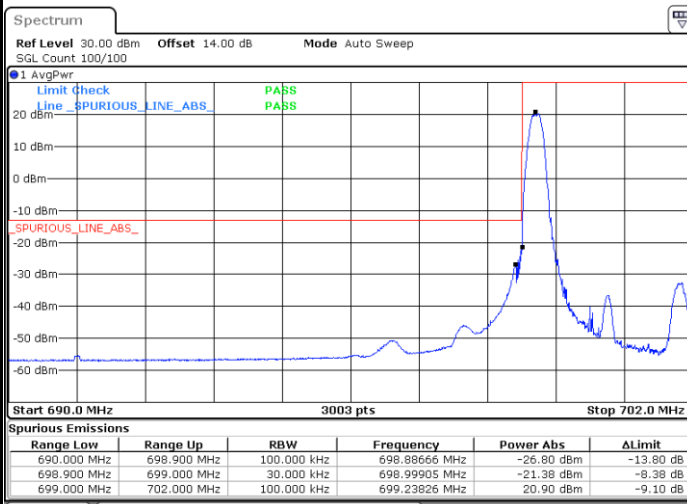


Date: 13.MAR.2024 22:00:53



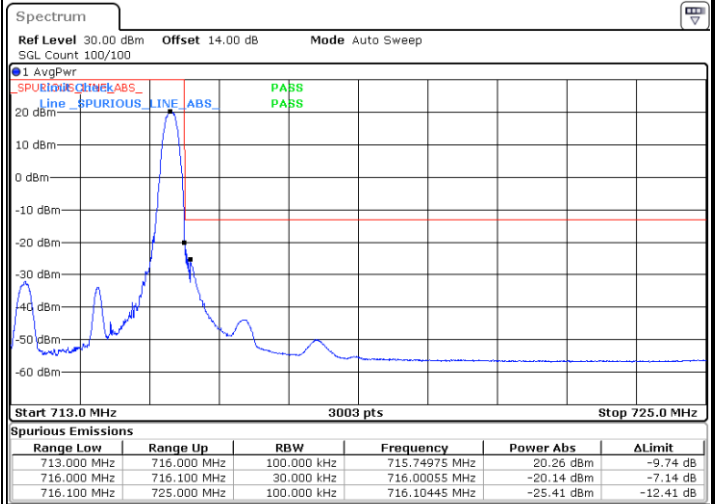
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



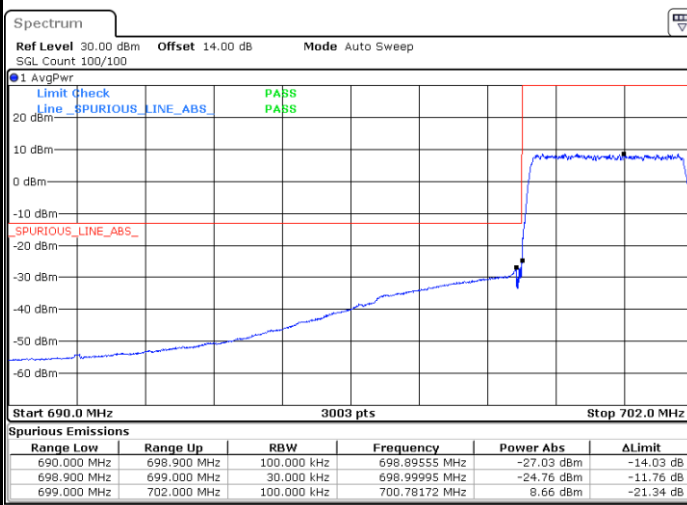
Date: 13.MAR.2024 21:48:26

Highest Band Edge / 1 RB



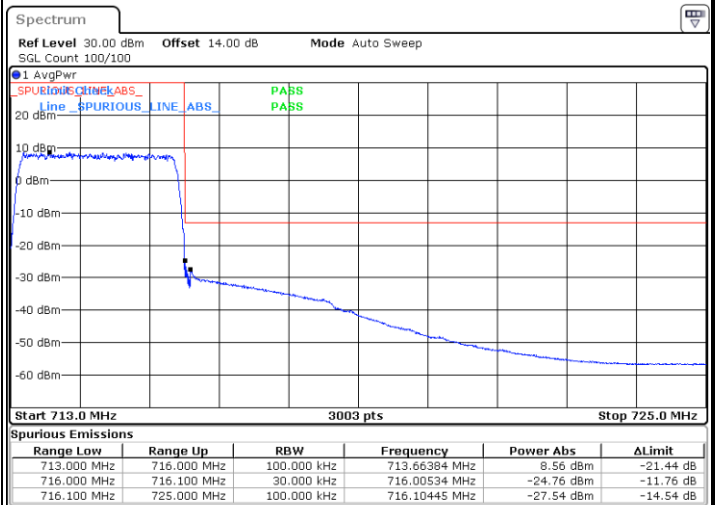
Date: 13.MAR.2024 21:58:44

Lowest Band Edge / Full RB



Date: 13.MAR.2024 21:51:39

Highest Band Edge / Full RB

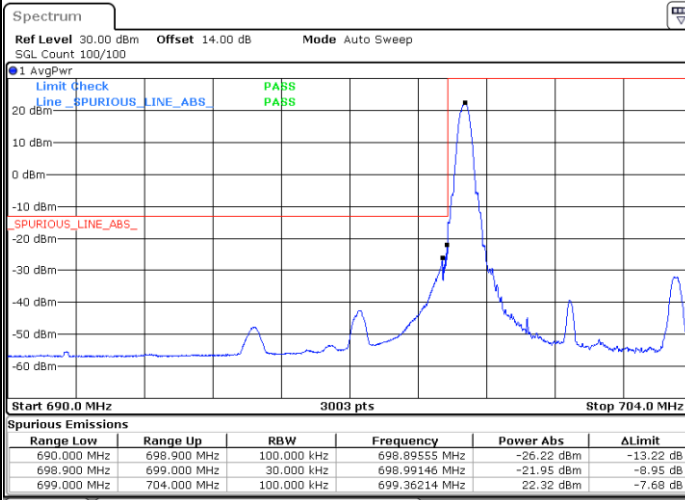


Date: 13.MAR.2024 22:01:57



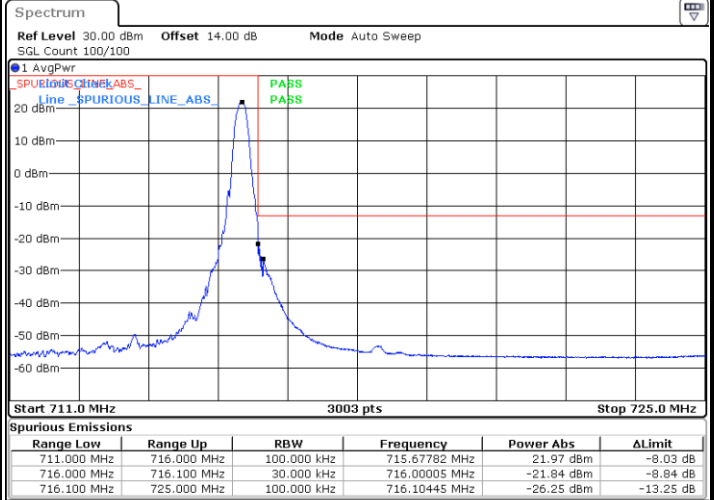
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1RB



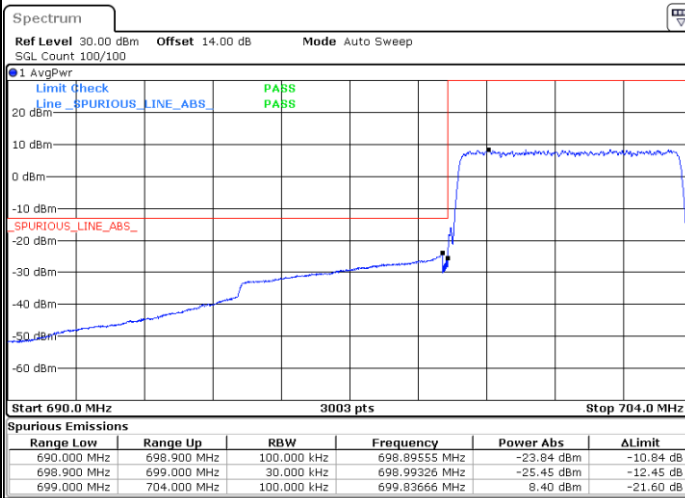
Date: 13.MAR.2024 22:04:20

Highest Band Edge / 1RB



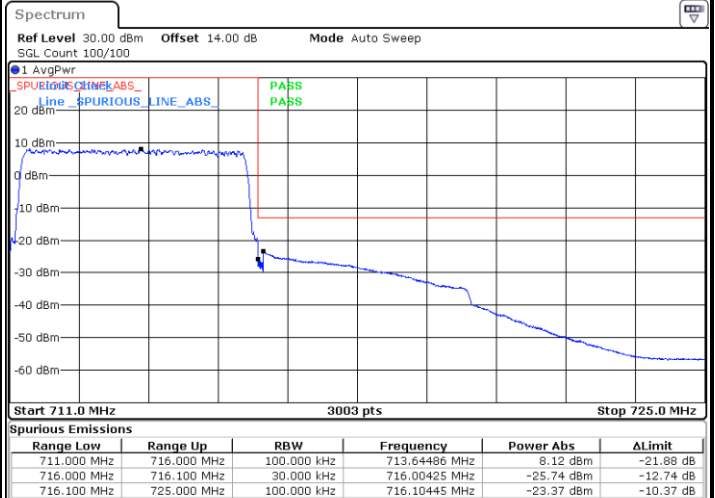
Date: 13.MAR.2024 22:14:37

Lowest Band Edge / Full RB



Date: 13.MAR.2024 22:07:33

Highest Band Edge / Full RB

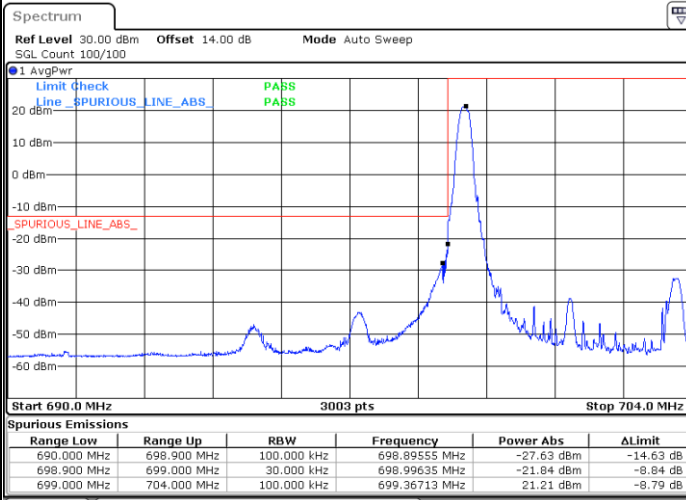


Date: 13.MAR.2024 22:17:50



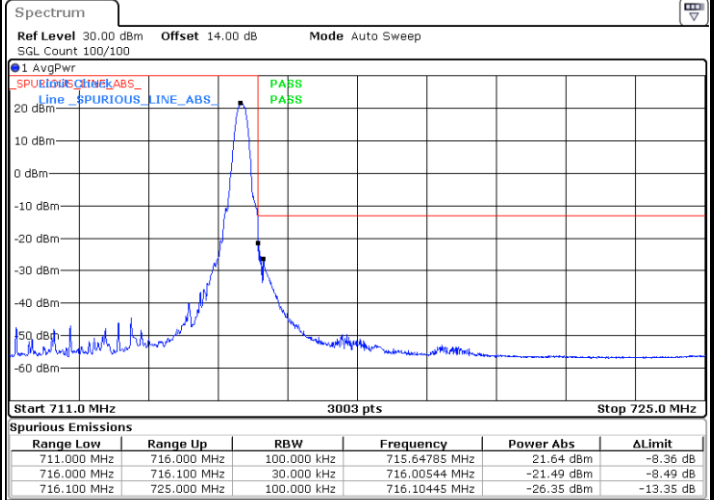
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



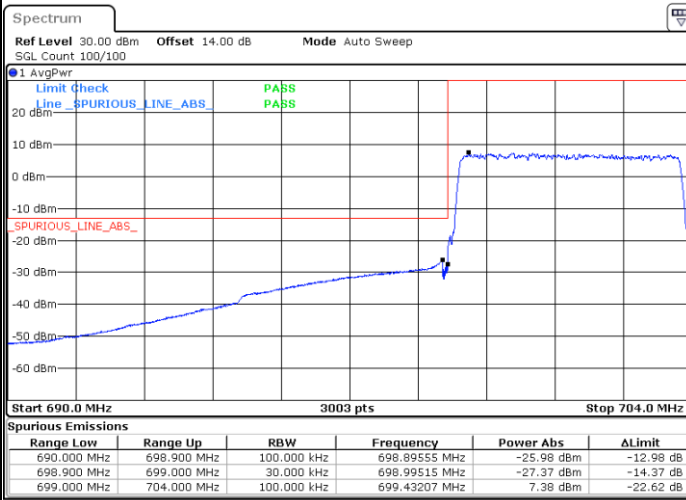
Date: 13.MAR.2024 22:05:24

Highest Band Edge / 1 RB



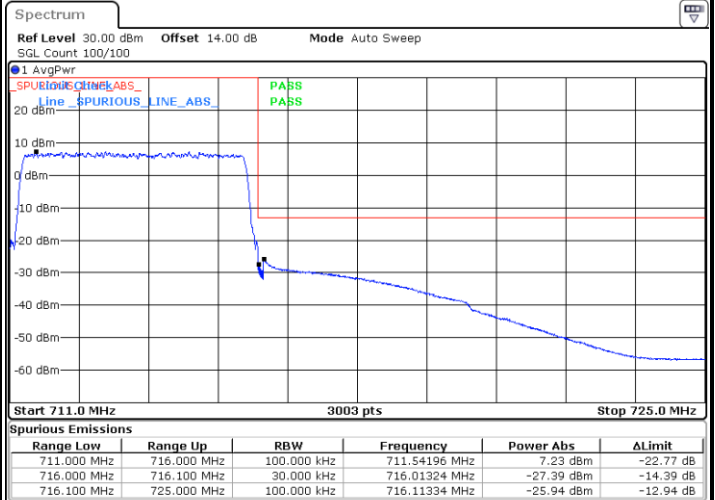
Date: 13.MAR.2024 22:15:41

Lowest Band Edge / Full RB



Date: 13.MAR.2024 22:08:37

Highest Band Edge / Full RB

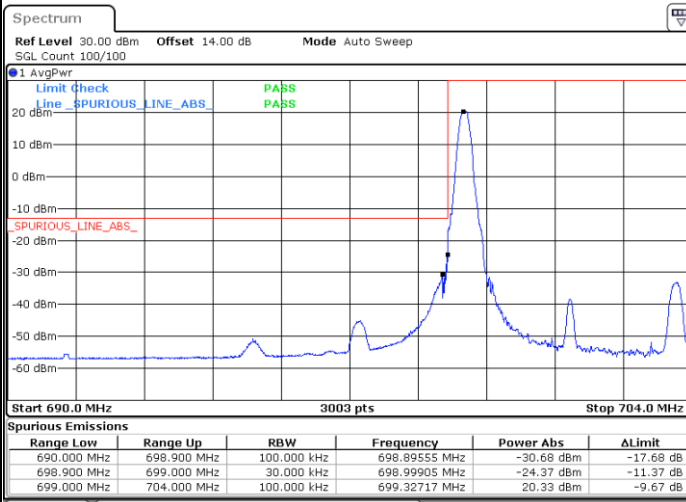


Date: 13.MAR.2024 22:18:54



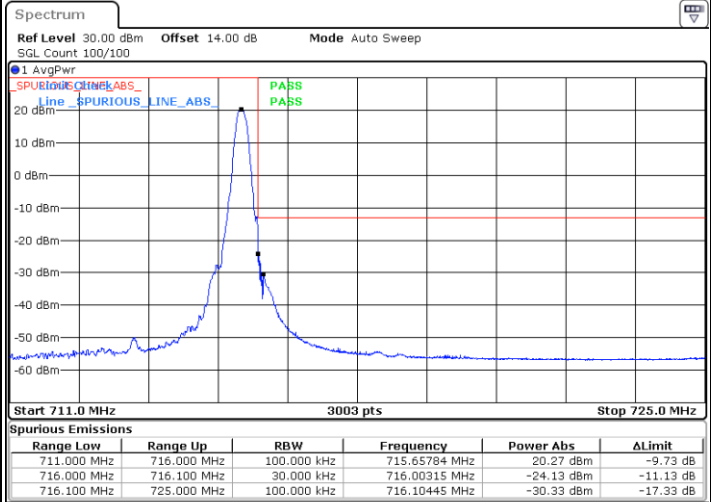
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



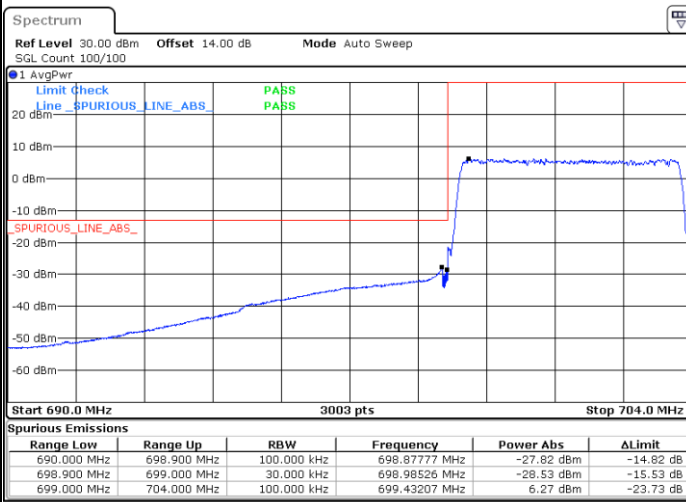
Date: 13.MAR.2024 22:06:29

Highest Band Edge / 1 RB



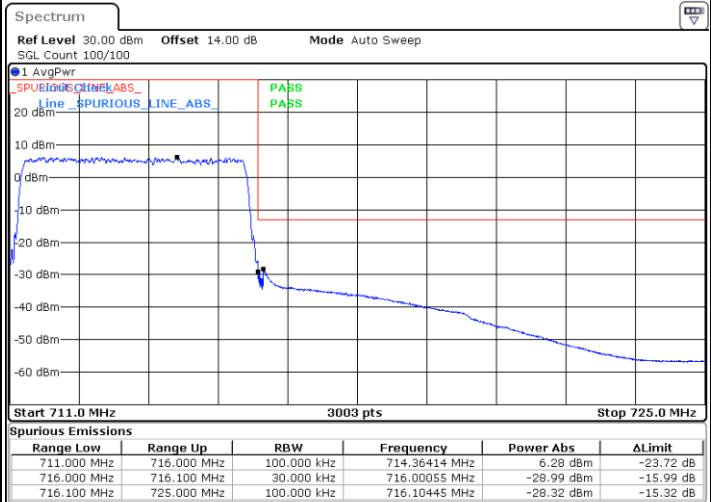
Date: 13.MAR.2024 22:16:45

Lowest Band Edge / Full RB



Date: 13.MAR.2024 22:09:41

Highest Band Edge / Full RB

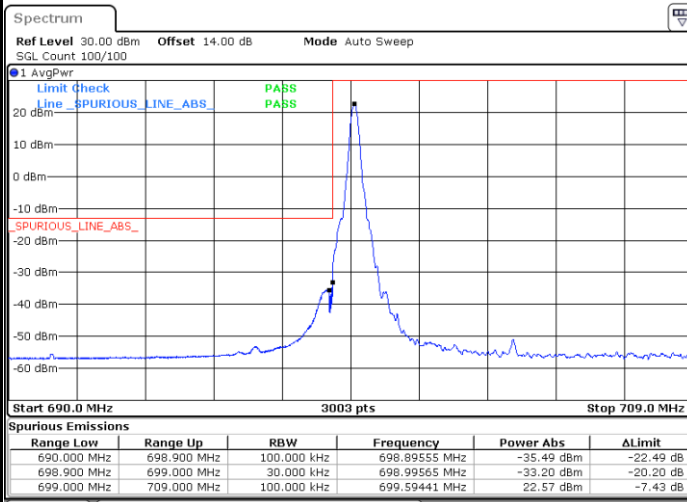


Date: 13.MAR.2024 22:19:58



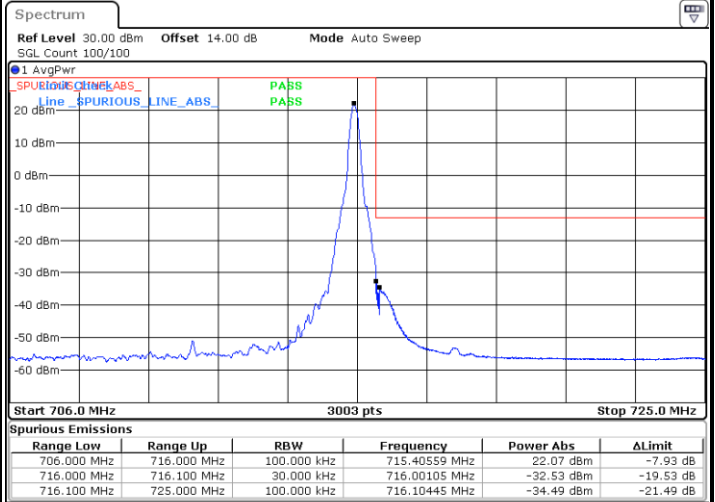
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1RB



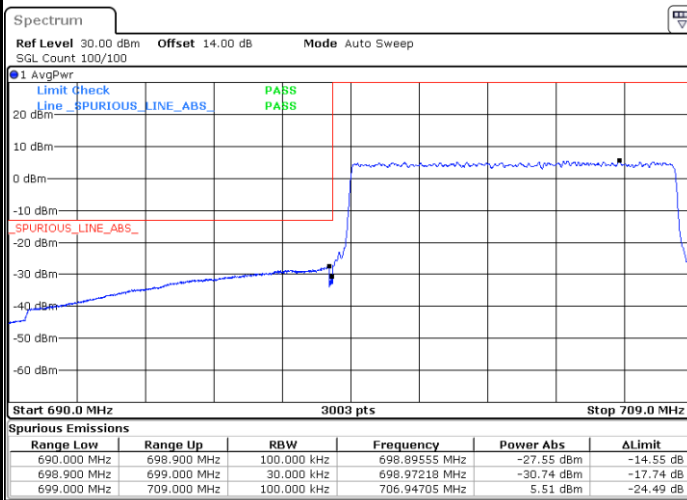
Date: 13.MAR.2024 22:22:21

Highest Band Edge / 1RB



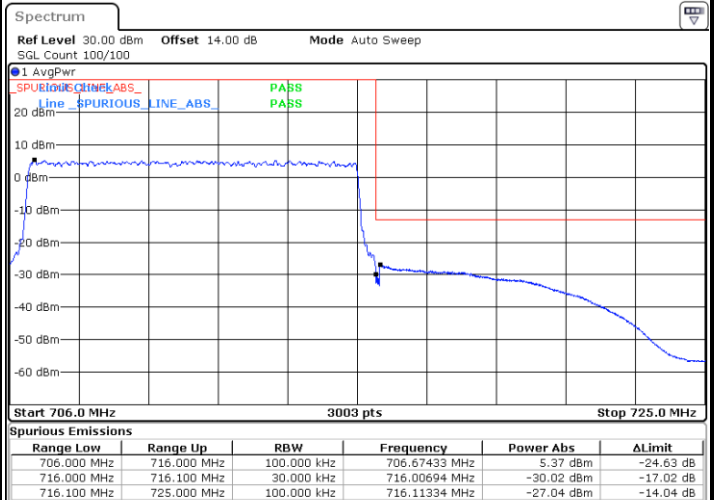
Date: 13.MAR.2024 22:32:38

Lowest Band Edge / Full RB



Date: 13.MAR.2024 22:25:34

Highest Band Edge / Full RB

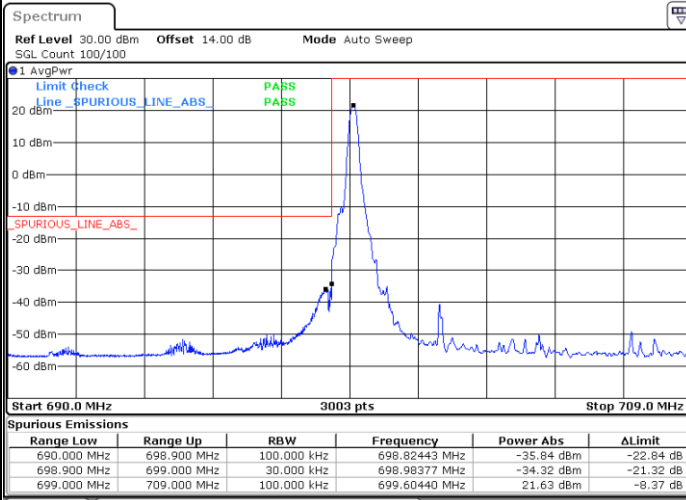


Date: 13.MAR.2024 22:35:55



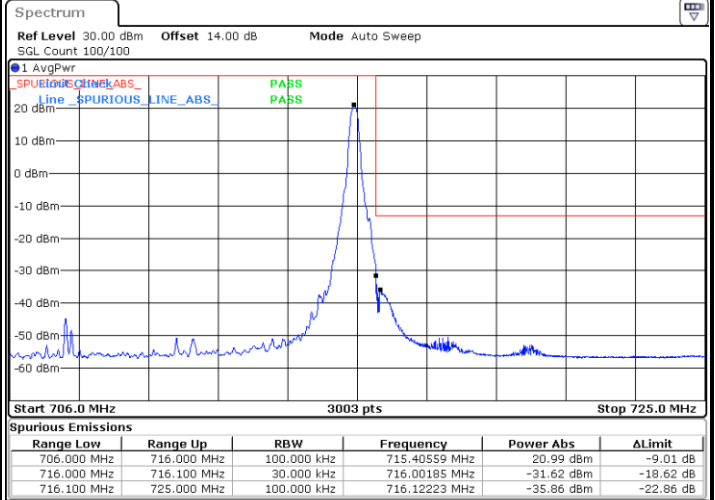
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



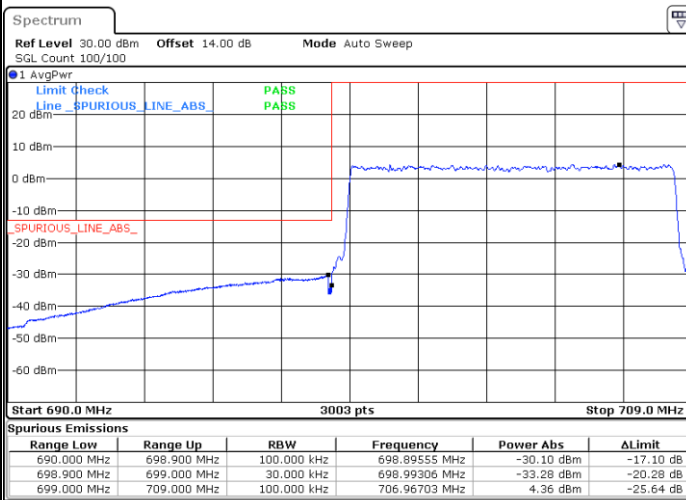
Date: 13.MAR.2024 22:23:25

Highest Band Edge / 1 RB



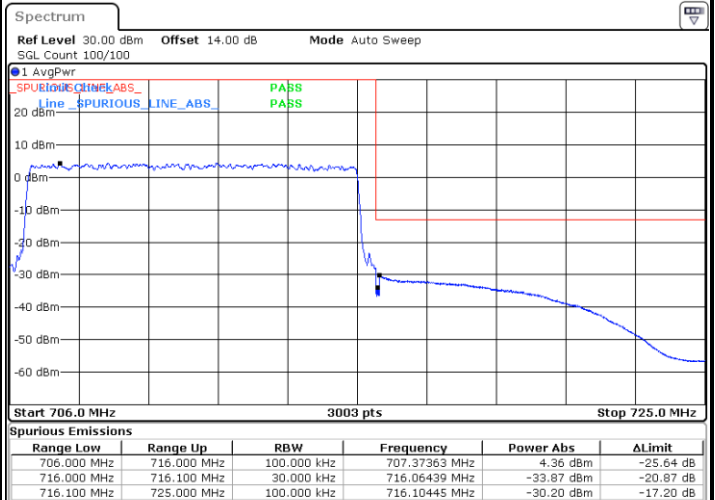
Date: 13.MAR.2024 22:33:42

Lowest Band Edge / Full RB



Date: 13.MAR.2024 22:26:38

Highest Band Edge / Full RB

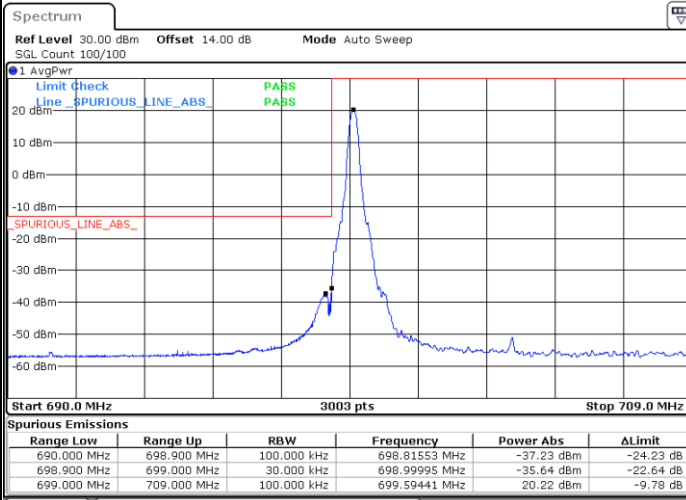


Date: 13.MAR.2024 22:37:03



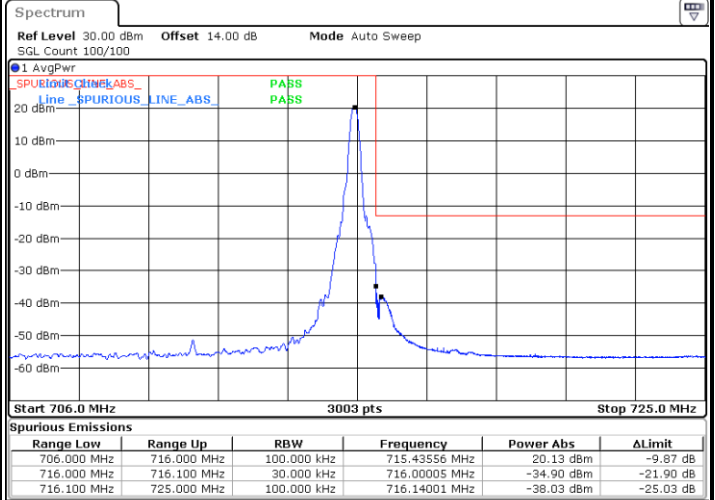
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



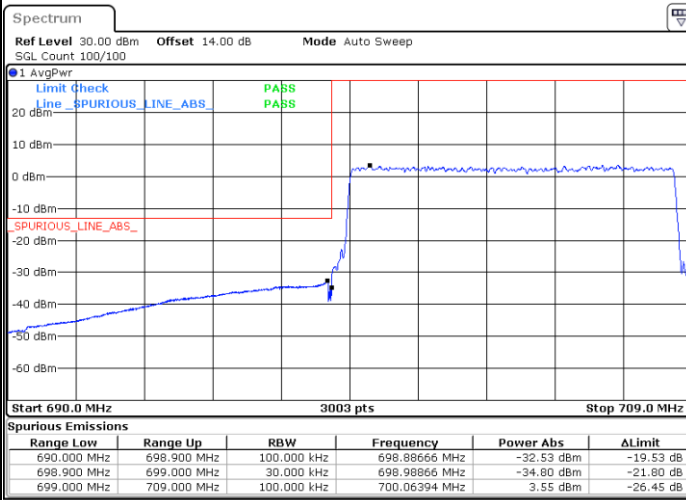
Date: 13.MAR.2024 22:24:29

Highest Band Edge / 1 RB



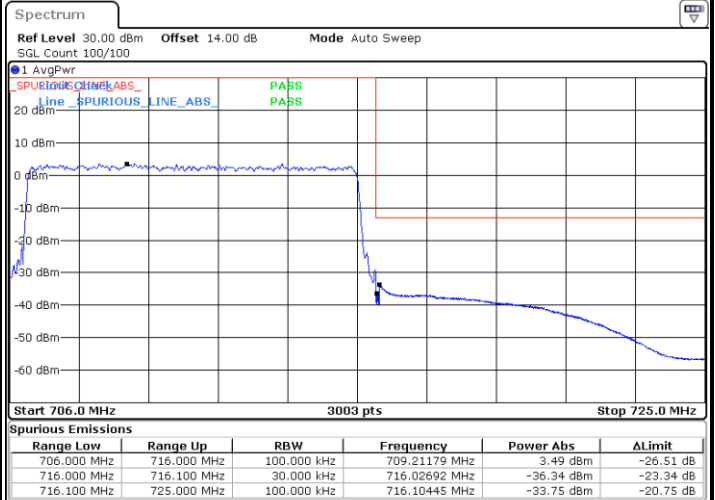
Date: 13.MAR.2024 22:34:47

Lowest Band Edge / Full RB



Date: 13.MAR.2024 22:27:43

Highest Band Edge / Full RB



Date: 13.MAR.2024 22:38:08



Conducted Spurious Emission

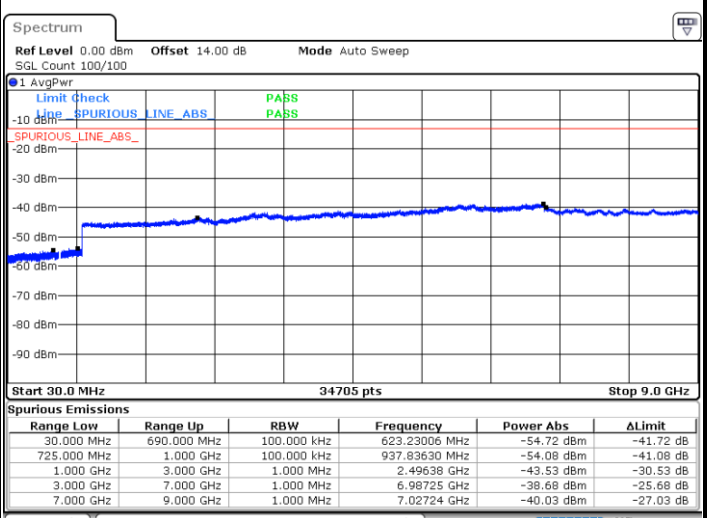
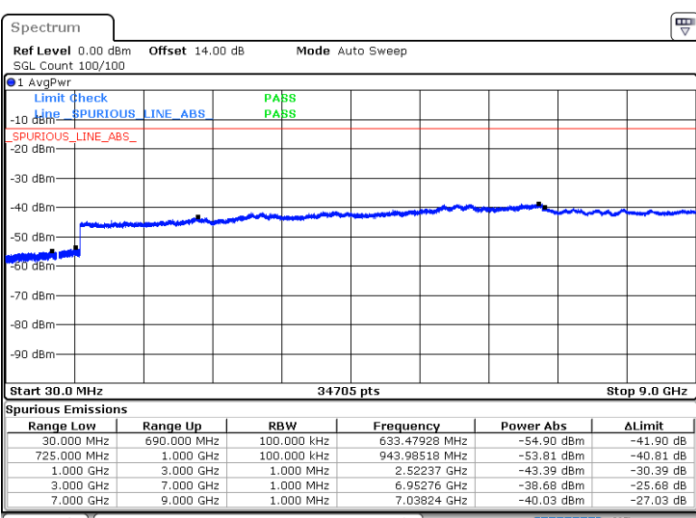




LTE Band 12 / 3MHz

Lowest Channel / QPSK

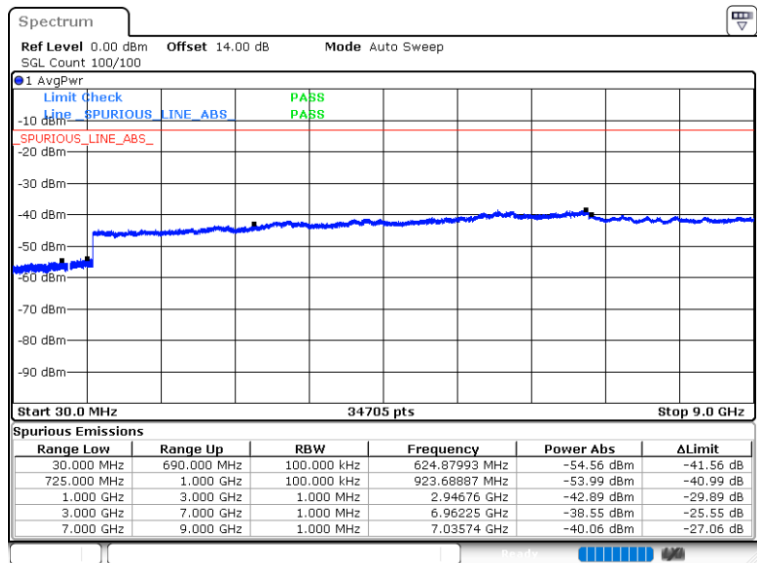
Middle Channel / QPSK



Date: 13.MAR.2024 21:52:53

Date: 13.MAR.2024 21:54:06

Highest Channel / QPSK



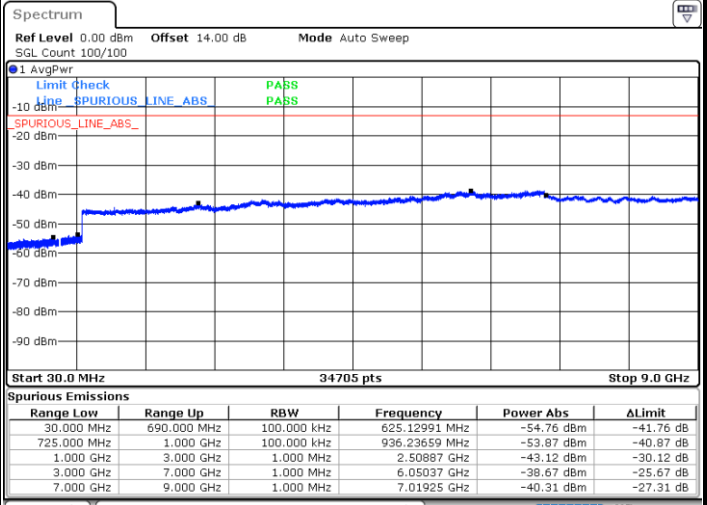
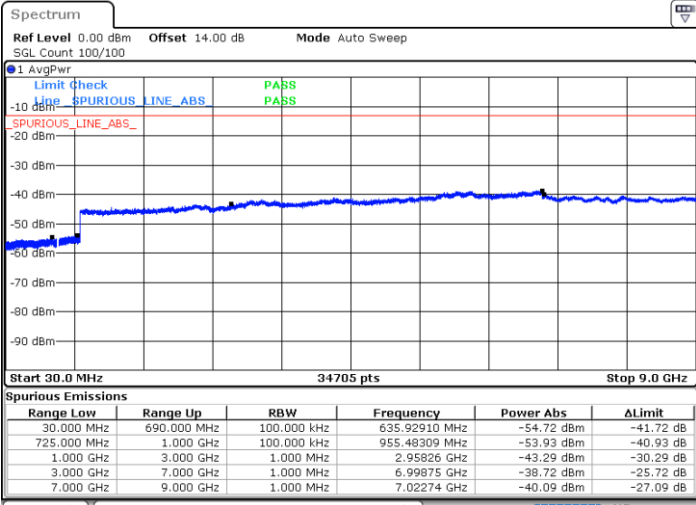
Date: 13.MAR.2024 22:03:11



LTE Band 12 / 5MHz

Lowest Channel / QPSK

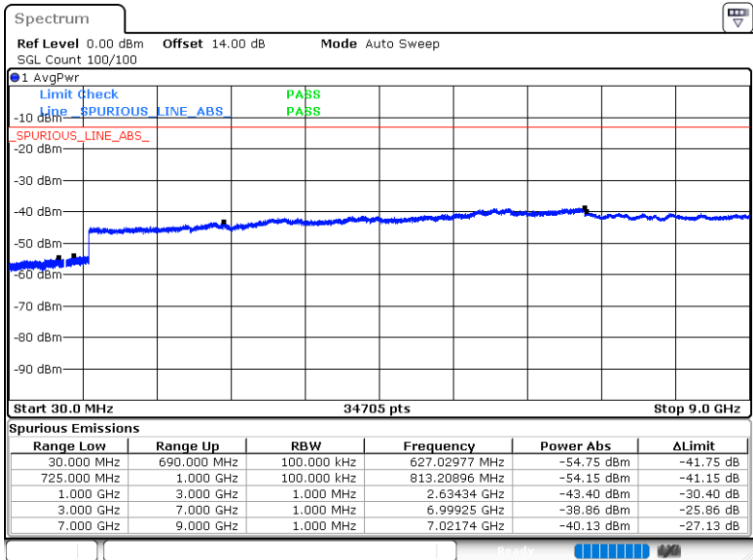
Middle Channel / QPSK



Date: 13.MAR.2024 22:10:55

Date: 13.MAR.2024 22:12:08

Highest Channel / QPSK



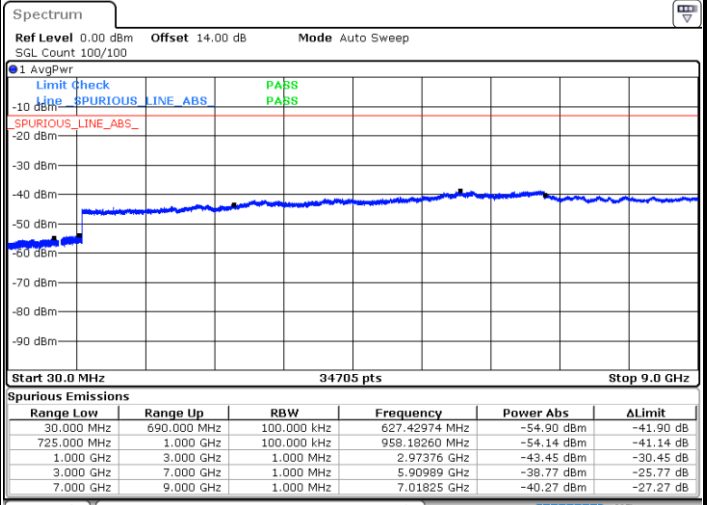
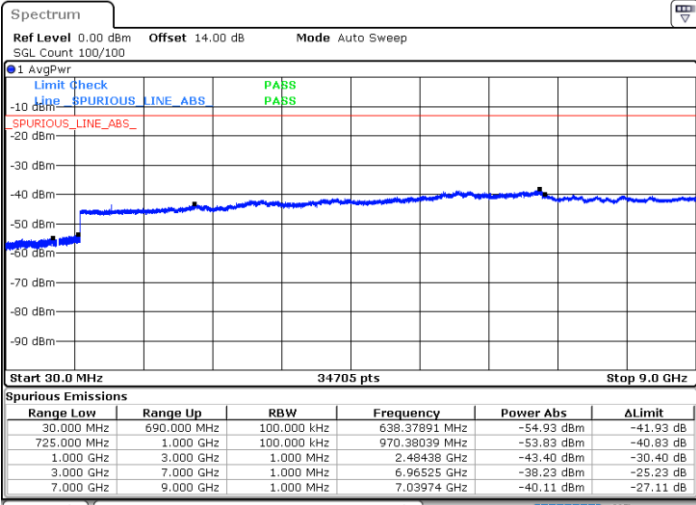
Date: 13.MAR.2024 22:21:12



LTE Band 12 / 10MHz

Lowest Channel / QPSK

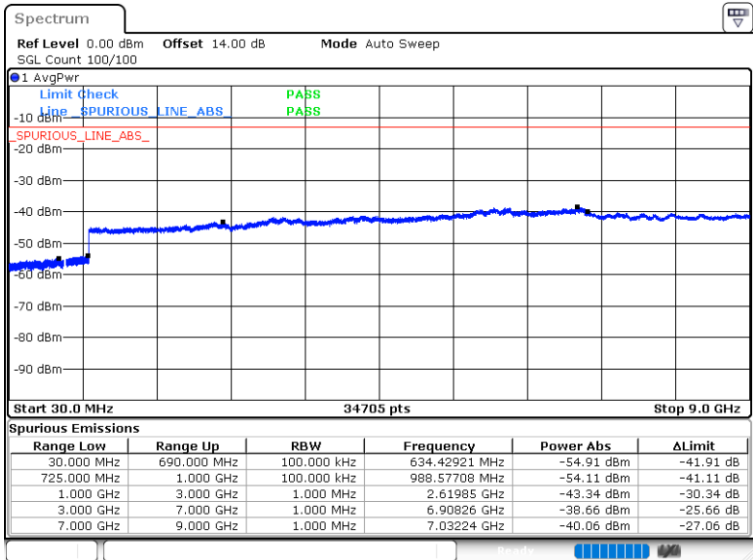
Middle Channel / QPSK



Date: 13.MAR.2024 22:28:56

Date: 13.MAR.2024 22:30:09

Highest Channel / QPSK



Date: 13.MAR.2024 22:39:26



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	0.0007	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0006	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0120	
-30	Normal Voltage	0.0044	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

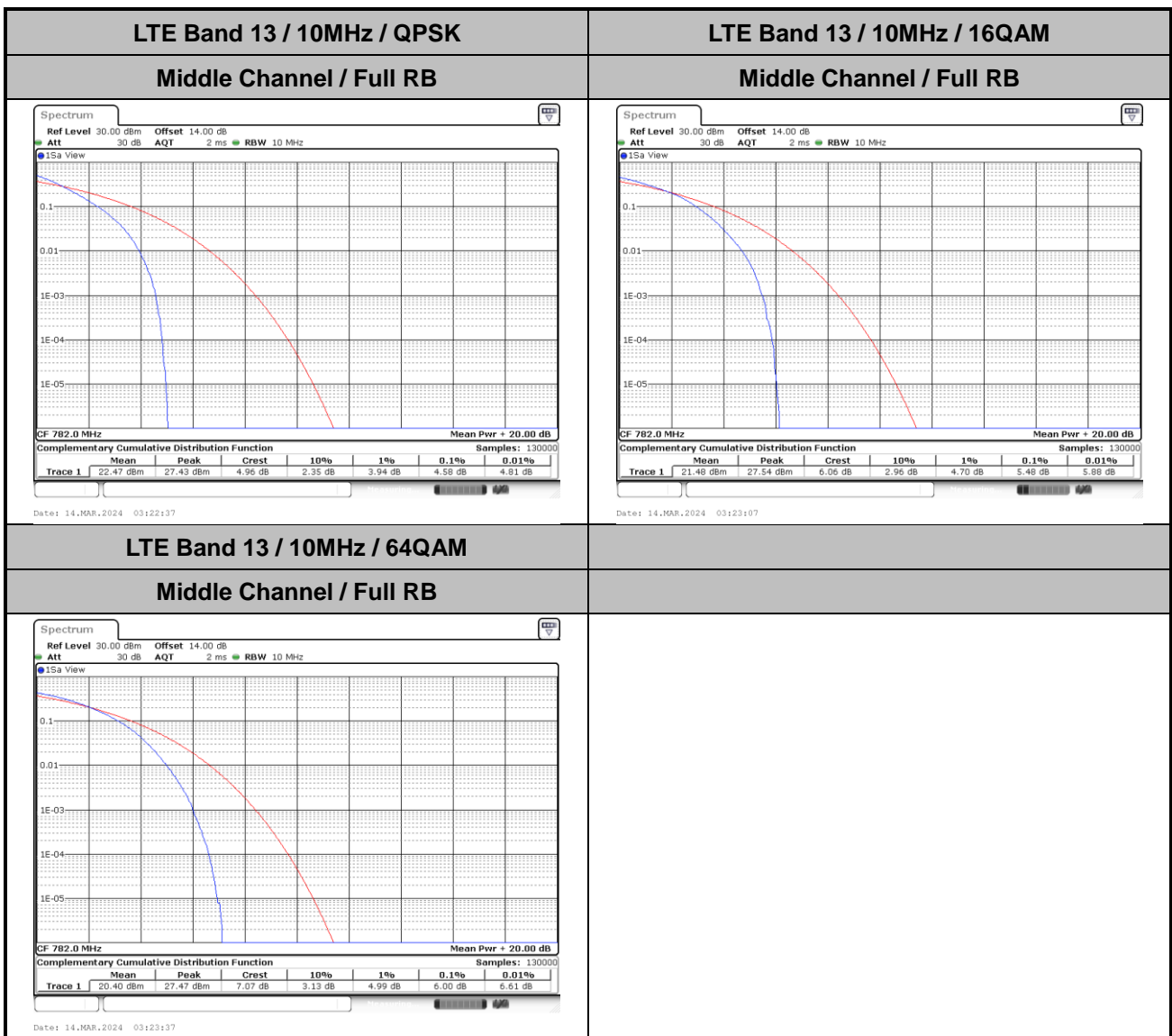
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	4.58	5.48	6.00	PASS





26dB Bandwidth

Mode	LTE Band 13 : 26dB BW(MHz)			
BW	5MHz		10MHz	
Mod.	QPSK	QPSK	QPSK	16QAM
Middle CH	4.88	4.88	9.95	9.95

