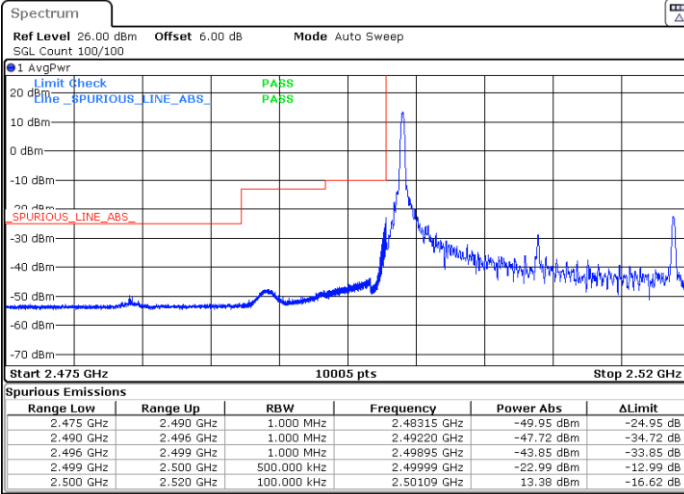




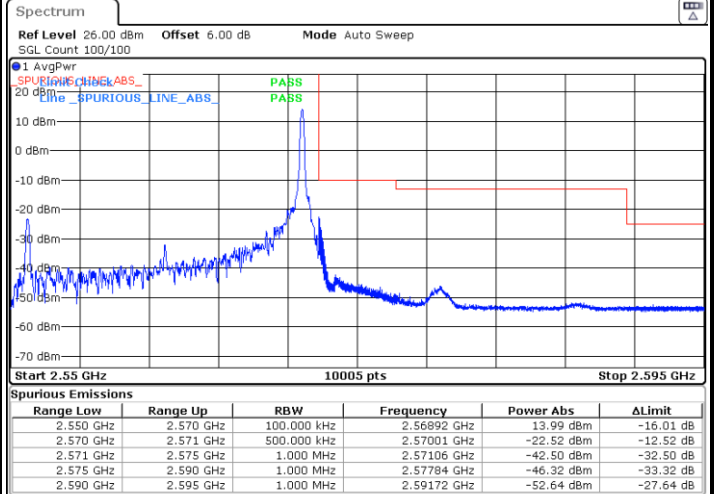
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



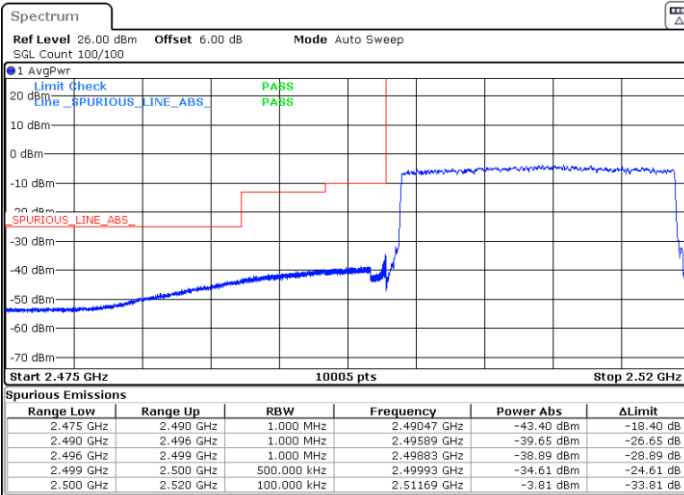
Date: 6.MAY.2024 23:03:23



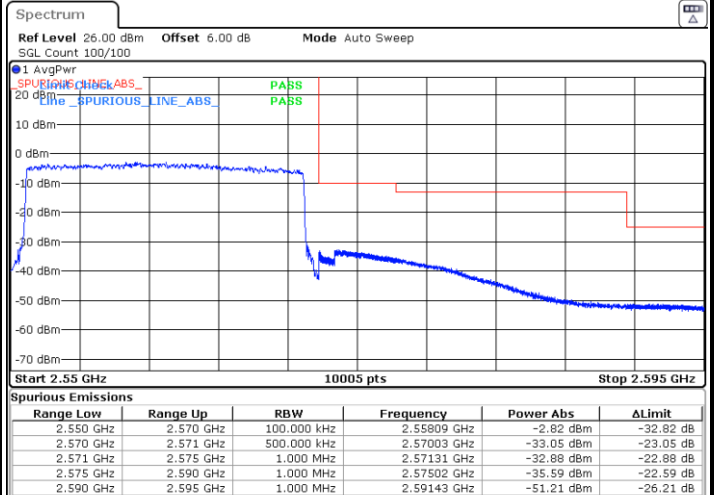
Date: 6.MAY.2024 23:04:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



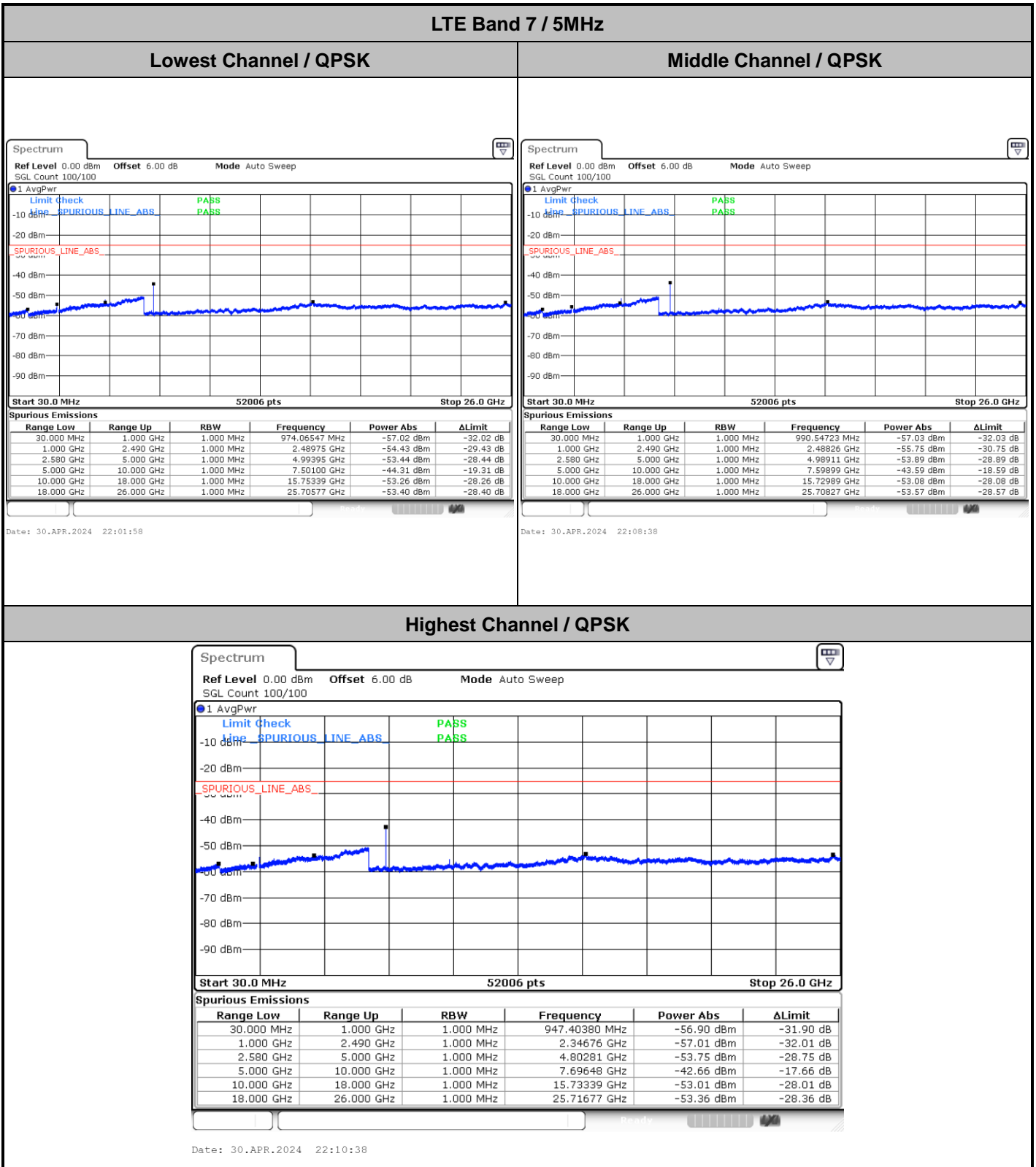
Date: 6.MAY.2024 23:02:52



Date: 6.MAY.2024 23:04:54



# Conducted Spurious Emission

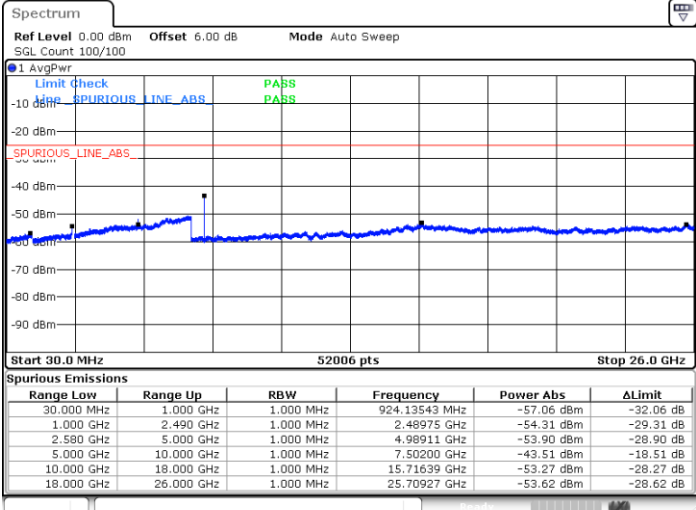




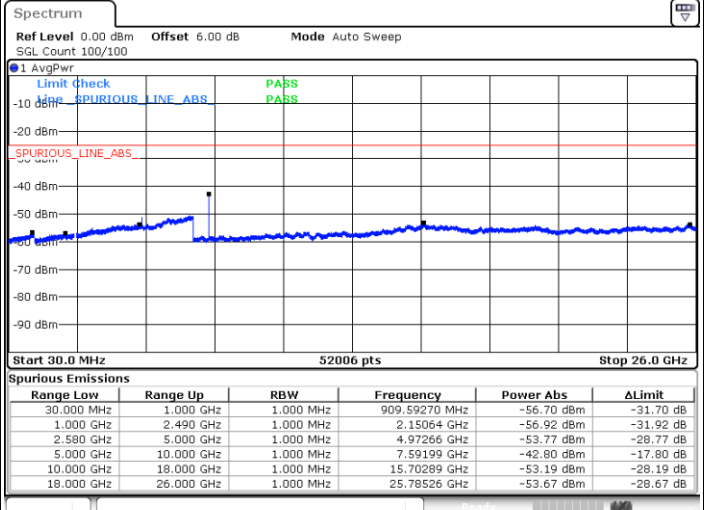
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

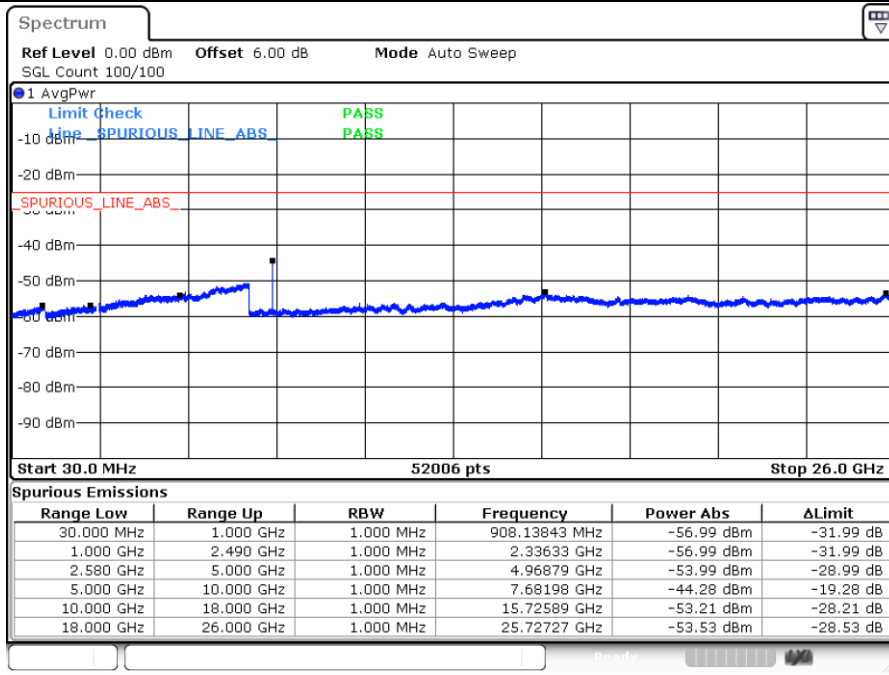


Date: 30.APR.2024 22:17:18



Date: 30.APR.2024 22:23:55

Highest Channel / QPSK



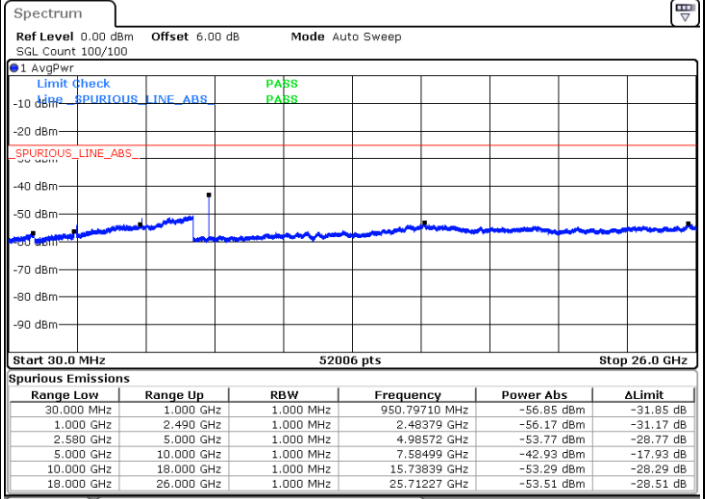
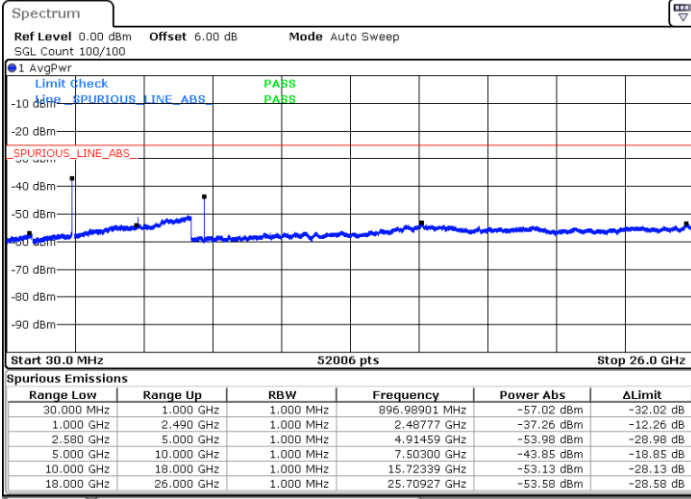
Date: 30.APR.2024 22:25:56



LTE Band 7 / 15MHz

Lowest Channel / QPSK

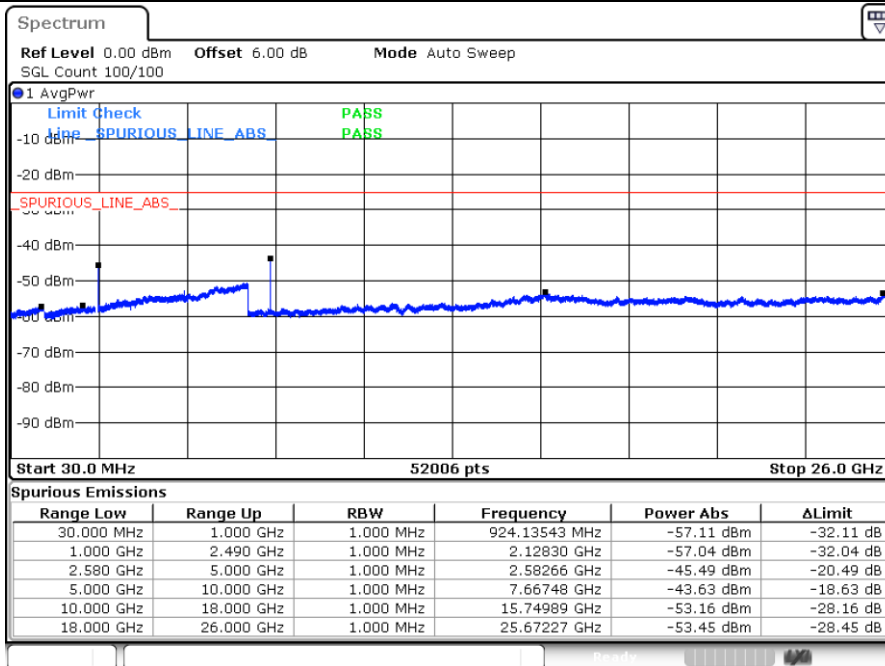
Middle Channel / QPSK



Date: 30.APR.2024 22:32:34

Date: 30.APR.2024 22:39:11

Highest Channel / QPSK



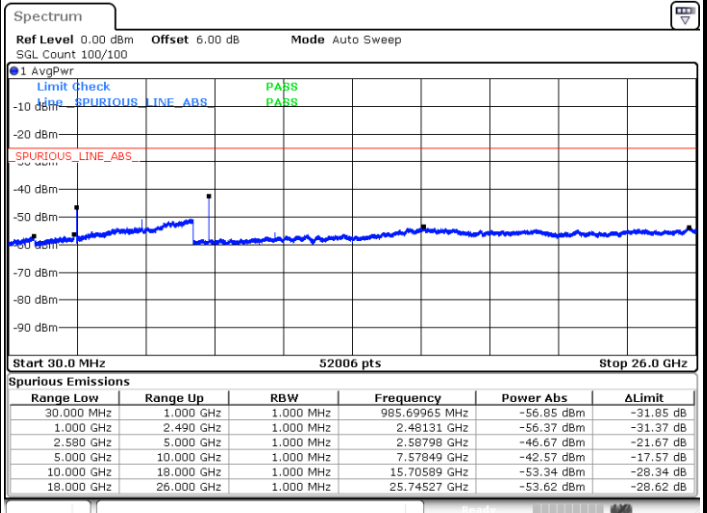
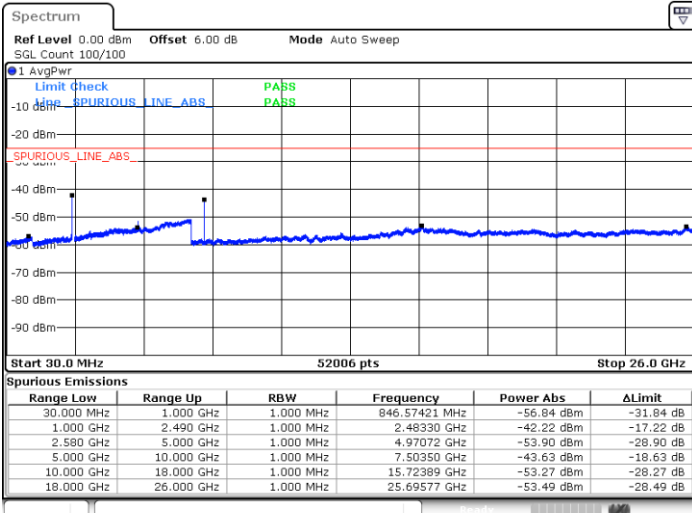
Date: 30.APR.2024 22:41:12



LTE Band 7 / 20MHz

Lowest Channel / QPSK

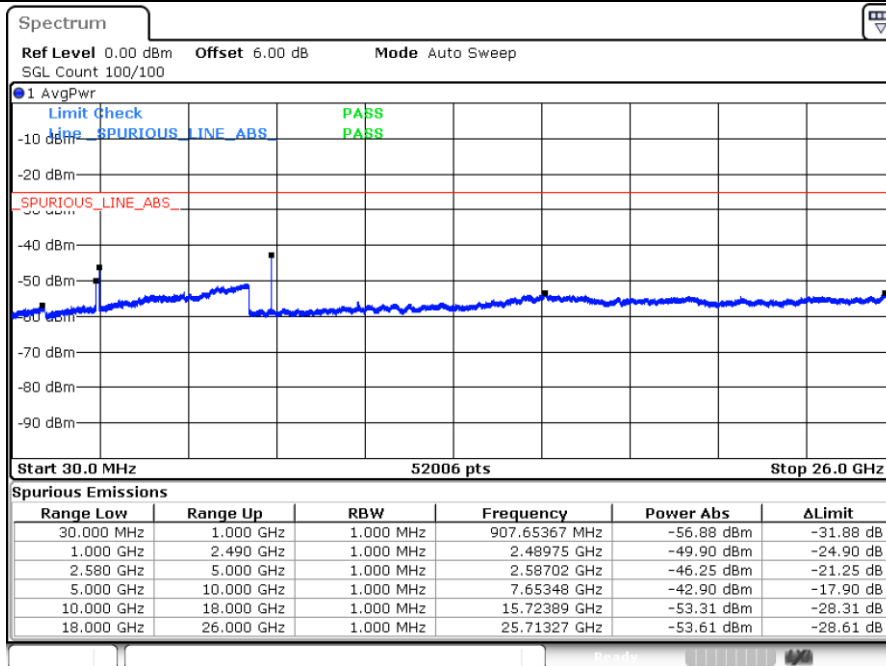
Middle Channel / QPSK



Date: 30.APR.2024 22:47:48

Date: 30.APR.2024 22:54:25

Highest Channel / QPSK



Date: 30.APR.2024 22:56:25



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	0.0007	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0038	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0052	
20	Maximum Voltage	0.0068	
20	Normal Voltage	0.0047	
20	Battery End Point	0.0003	

Note:

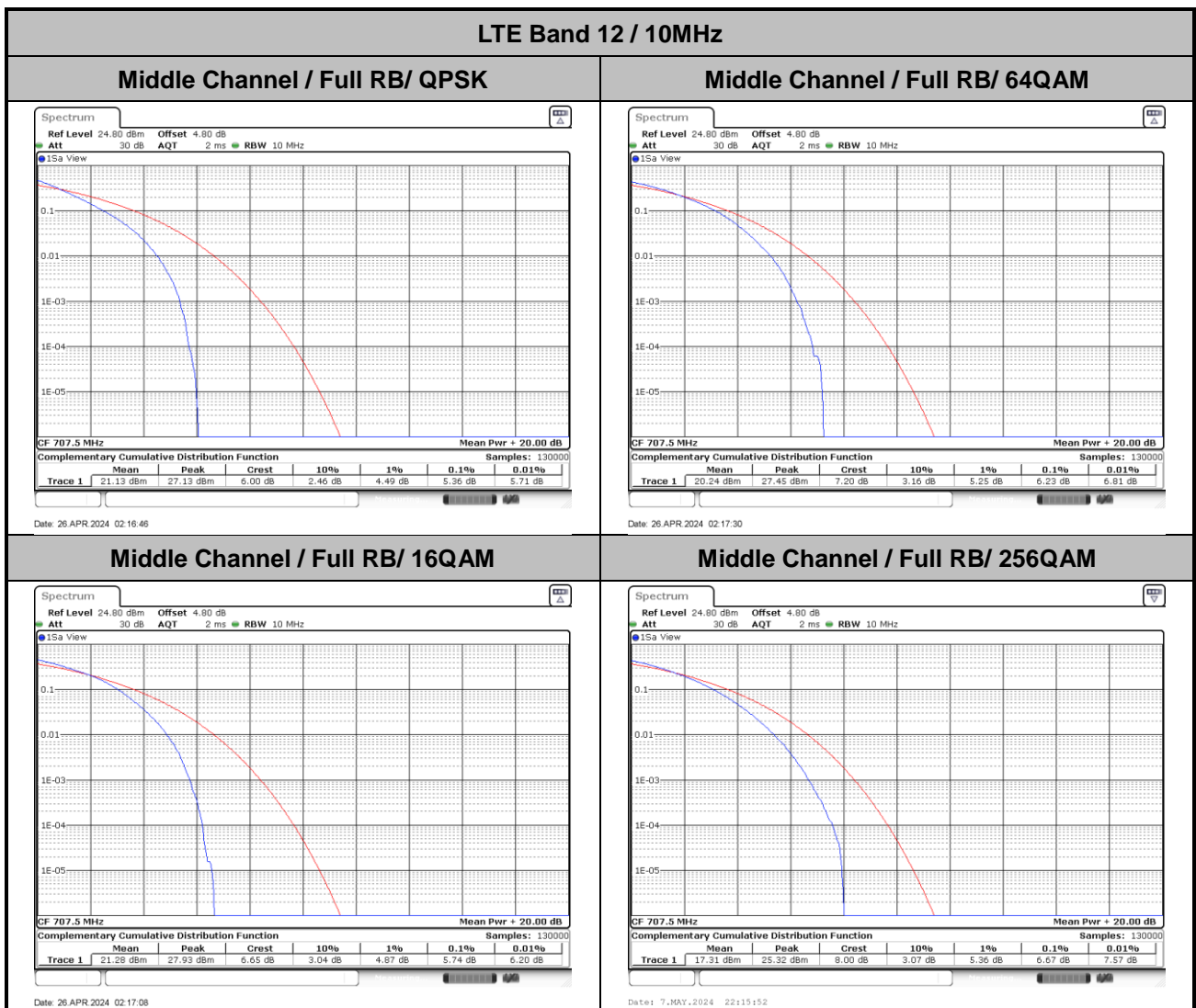
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 12

## Peak-to-Average Ratio

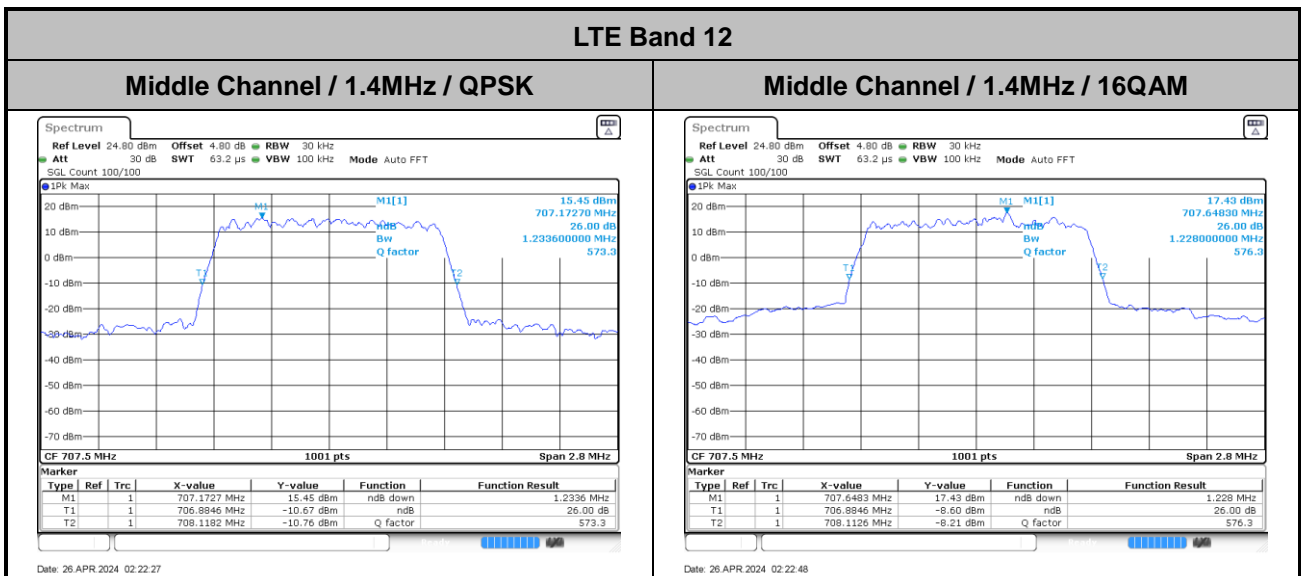
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.36	5.74	6.23	6.67	PASS





## 26dB Bandwidth

Mode	LTE Band 12 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.23	1.23
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.94	2.94
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.97	4.94
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.95	9.87

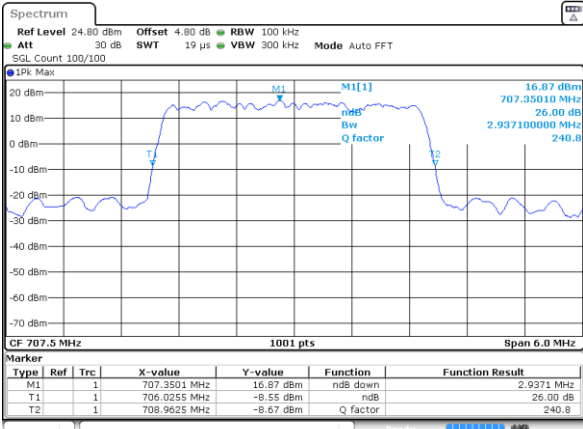






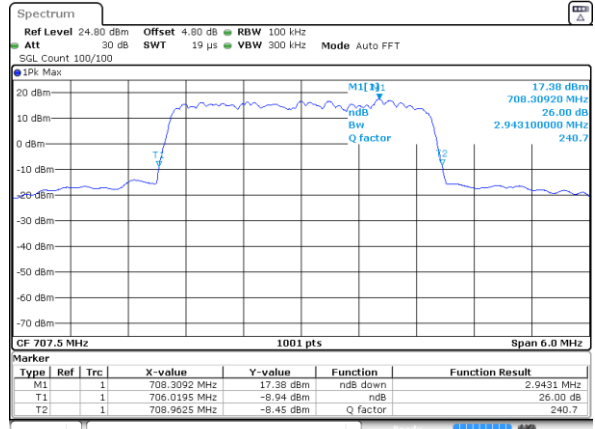
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 26 APR 2024 02:21:00

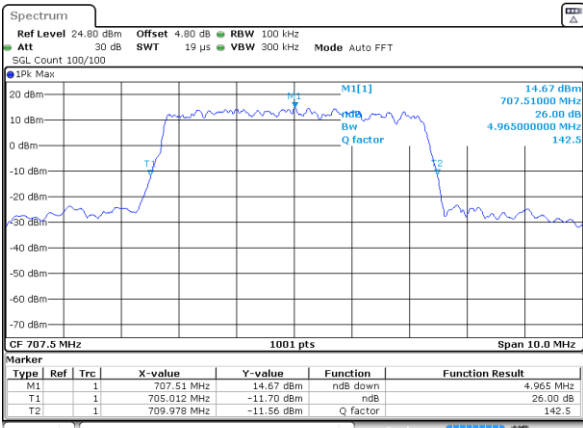
Middle Channel / 3MHz / 16QAM



Date: 26 APR 2024 02:21:21

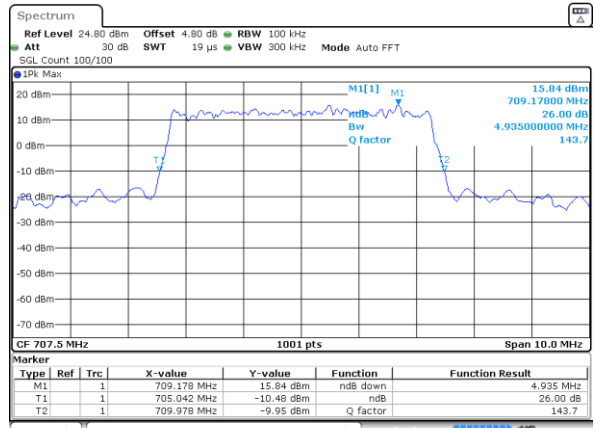
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 26 APR 2024 02:19:36

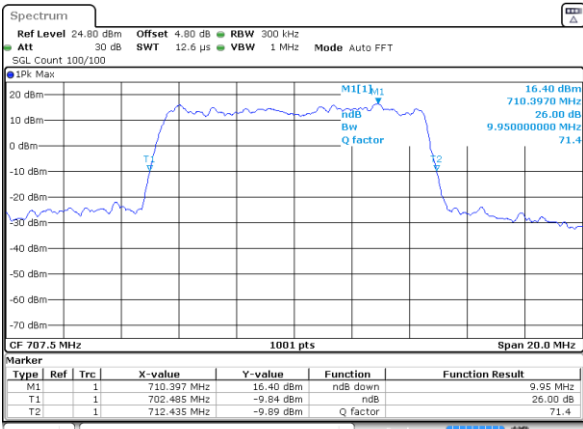
Middle Channel / 5MHz / 16QAM



Date: 26 APR 2024 02:19:57

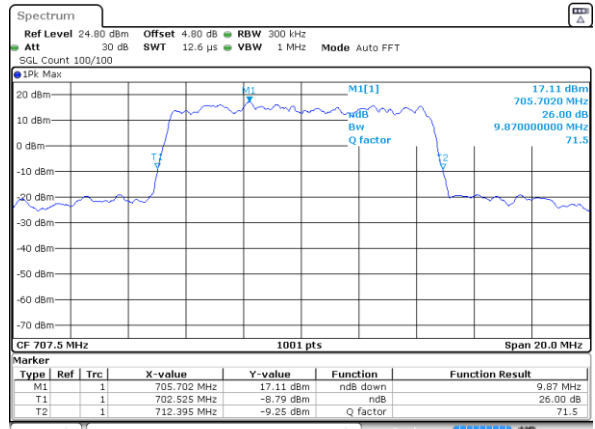
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 26 APR 2024 02:18:33

Middle Channel / 10MHz / 16QAM

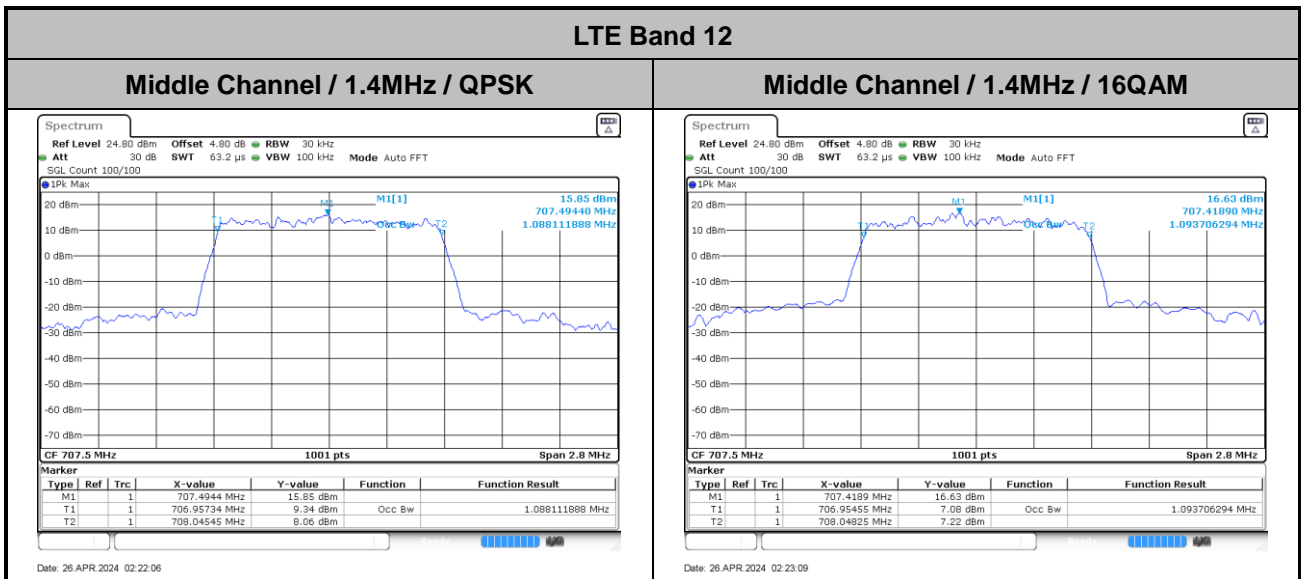


Date: 26 APR 2024 02:18:54



# Occupied Bandwidth

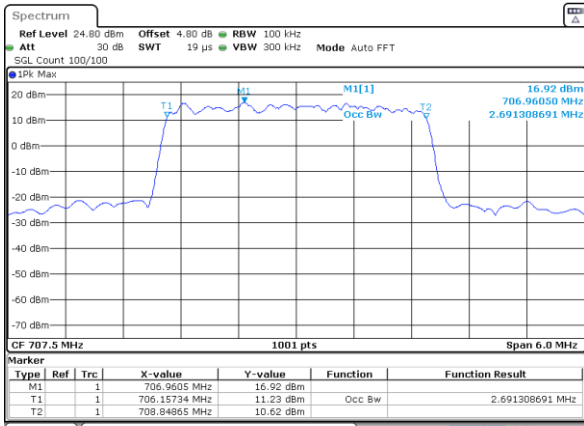
Mode	LTE Band 12 : 99%OBW(MHz)	
<b>BW</b>	<b>1.4MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	1.09	1.09
<b>BW</b>	<b>3MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	2.69	2.71
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.49	4.48
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.07	9.03





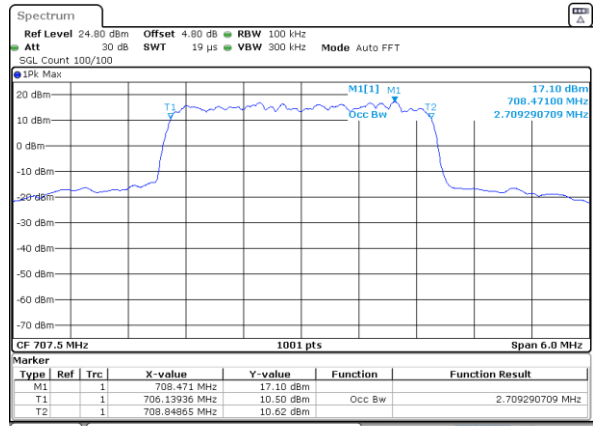
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 26 APR 2024 02:20:39

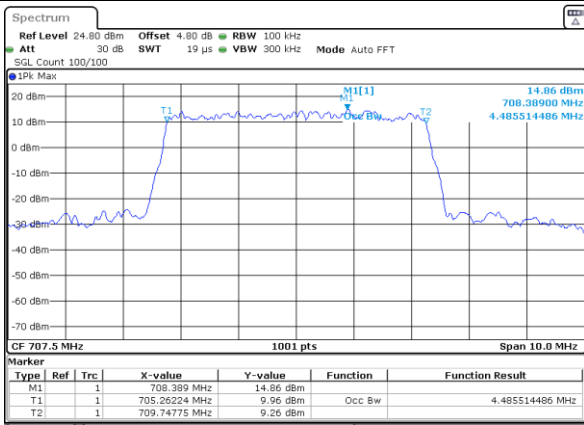
Middle Channel / 3MHz / 16QAM



Date: 26 APR 2024 02:21:42

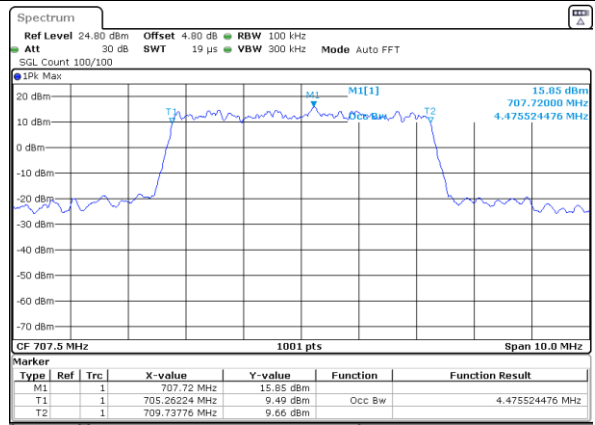
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 26 APR 2024 02:19:15

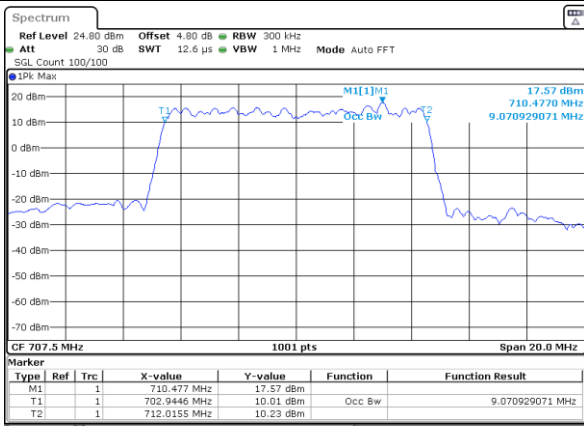
Middle Channel / 5MHz / 16QAM



Date: 26 APR 2024 02:20:18

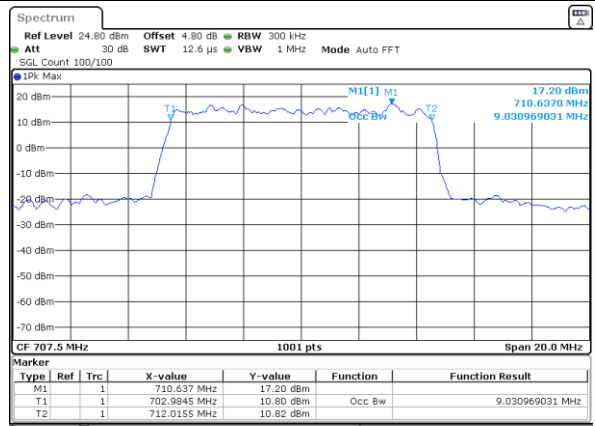
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 26 APR 2024 02:17:51

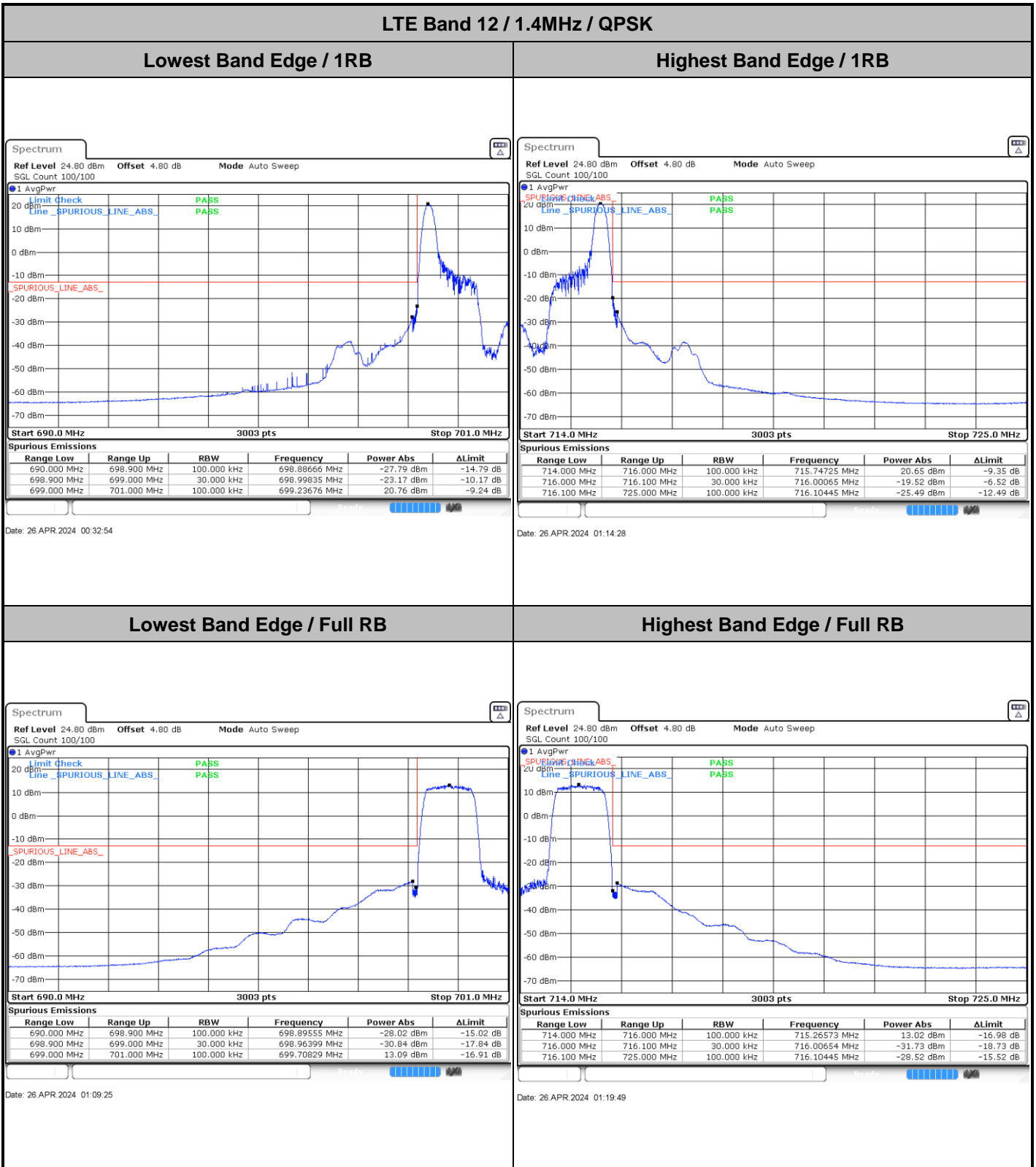
Middle Channel / 10MHz / 16QAM



Date: 26 APR 2024 02:18:12



# Conducted Band Edge

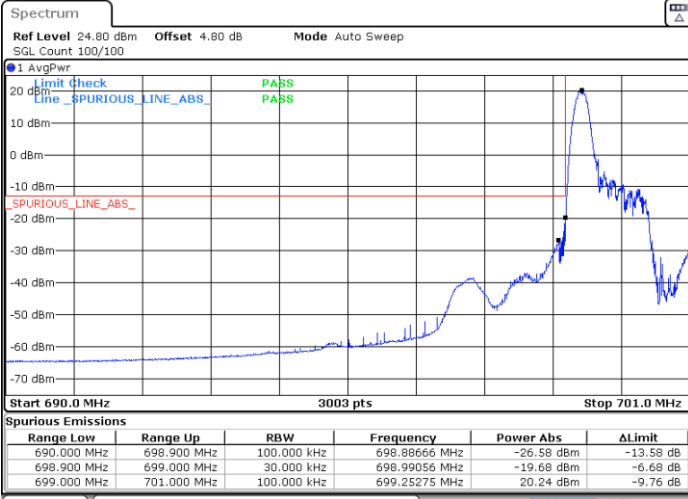




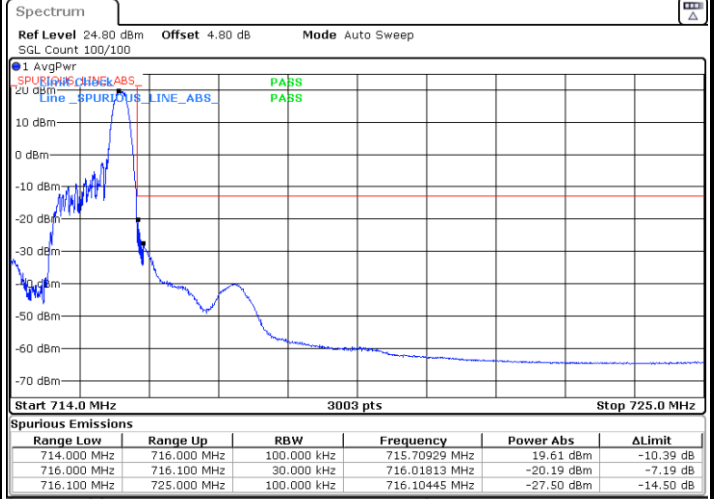
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



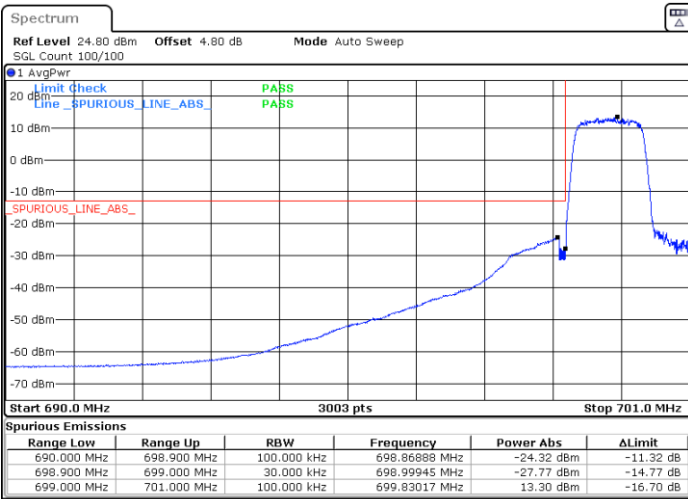
Date: 26 APR 2024 00:34:08



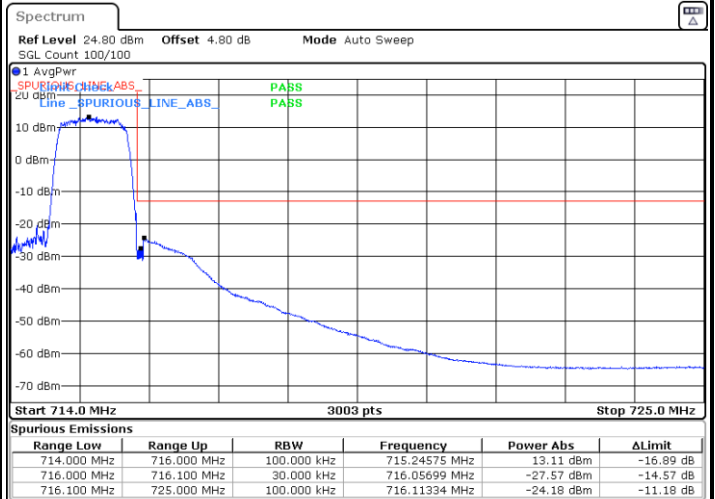
Date: 26 APR 2024 01:15:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 APR 2024 01:08:21



Date: 26 APR 2024 01:18:45



LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



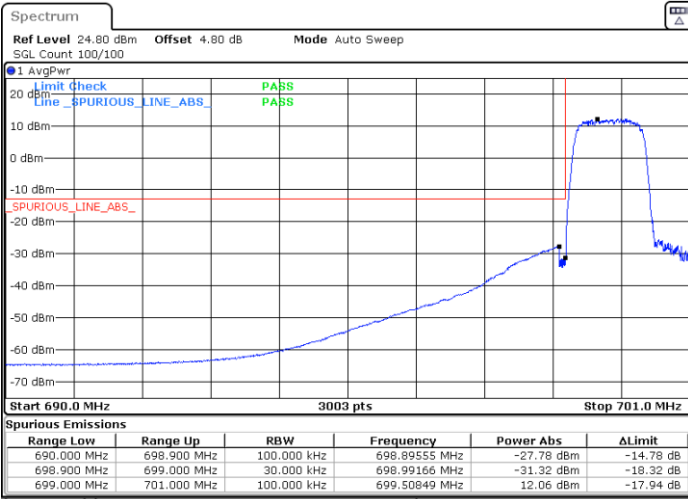
Date: 26 APR 2024 00:37:48



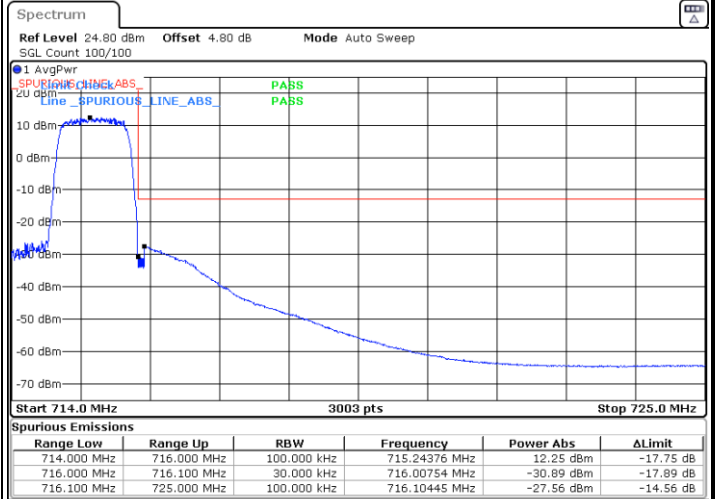
Date: 26 APR 2024 01:16:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 APR 2024 01:07:16



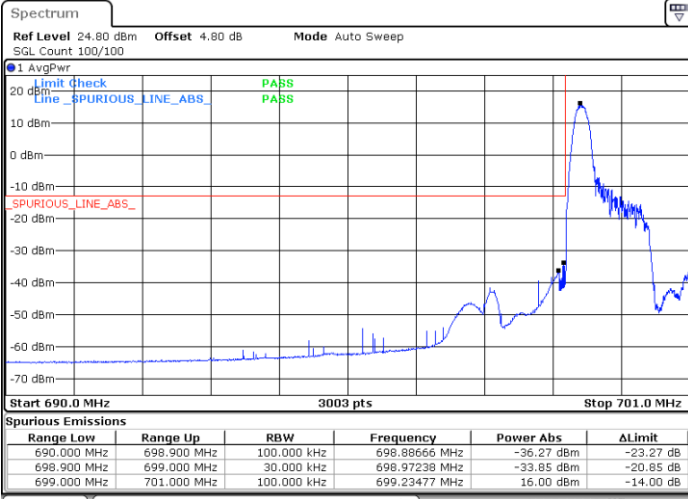
Date: 26 APR 2024 01:17:40



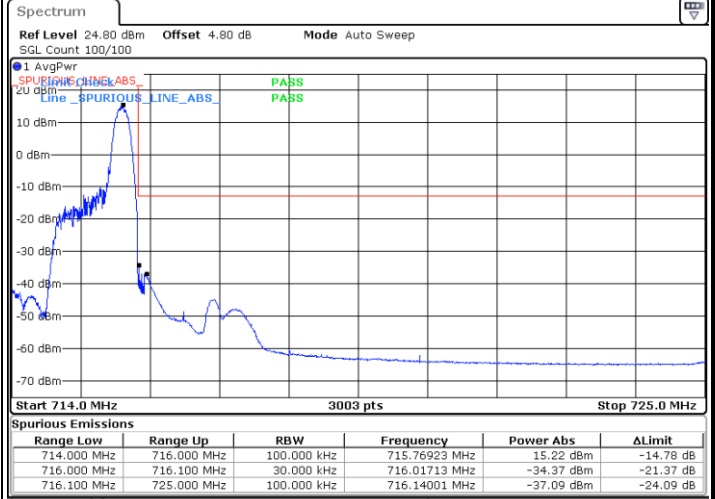
LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



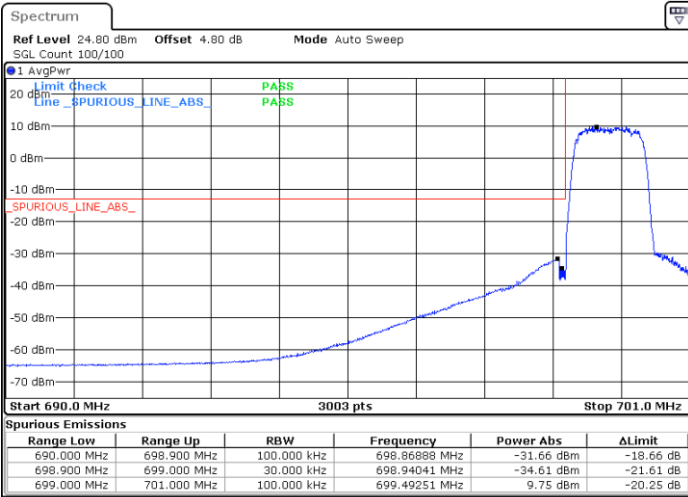
Date: 7.MAY.2024 21:58:04



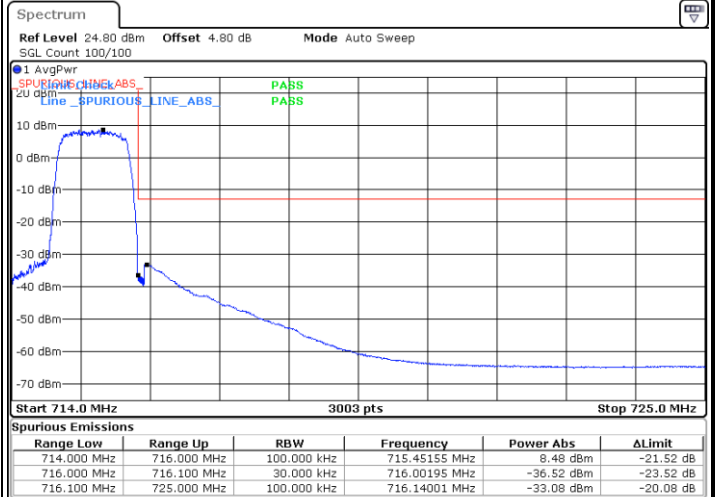
Date: 7.MAY.2024 22:01:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.MAY.2024 21:59:07



Date: 7.MAY.2024 22:00:08



LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



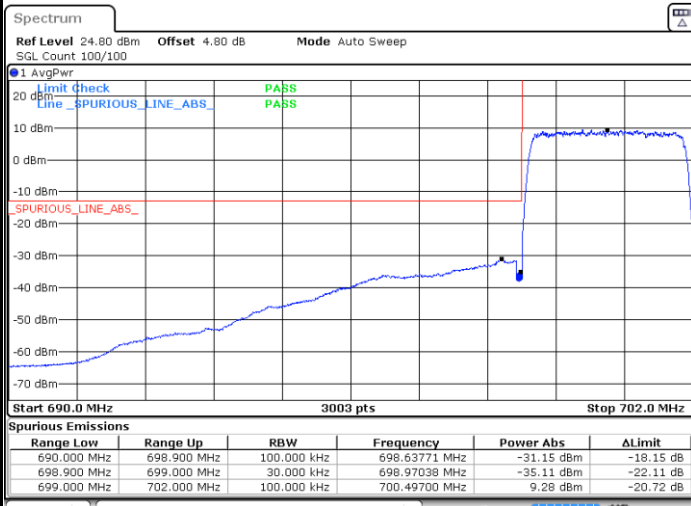
Date: 26 APR 2024 01:22:53

Highest Band Edge / 1 RB



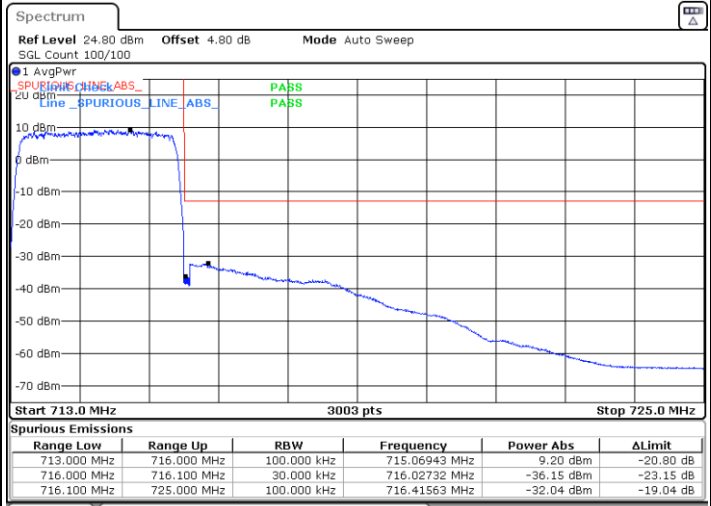
Date: 26 APR 2024 01:33:17

Lowest Band Edge / Full RB



Date: 26 APR 2024 01:28:14

Highest Band Edge / Full RB



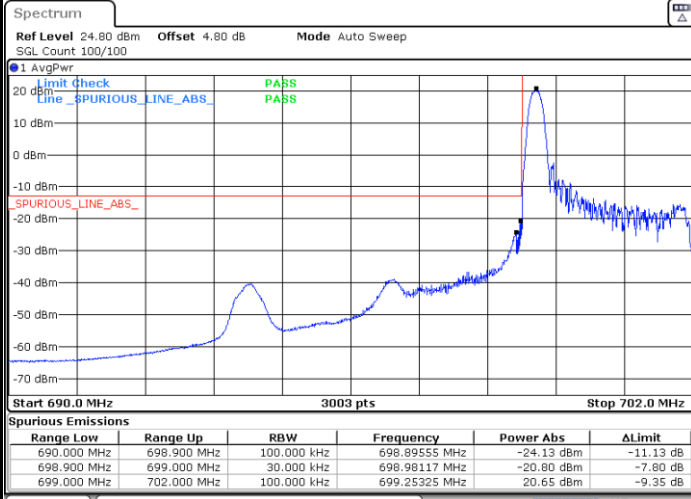
Date: 26 APR 2024 01:38:42





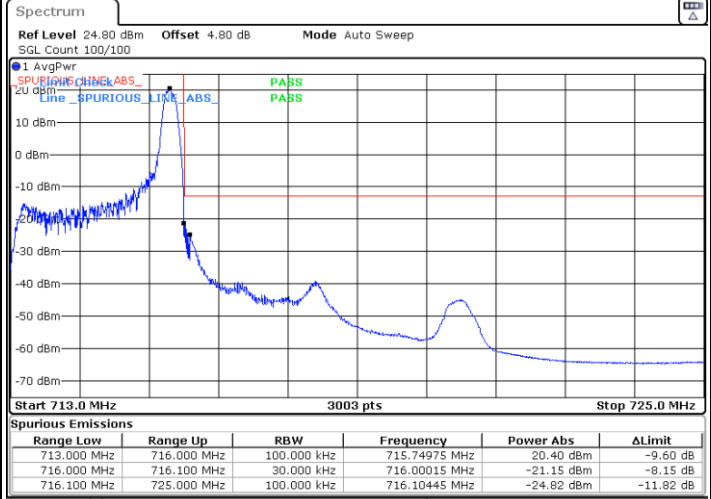
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



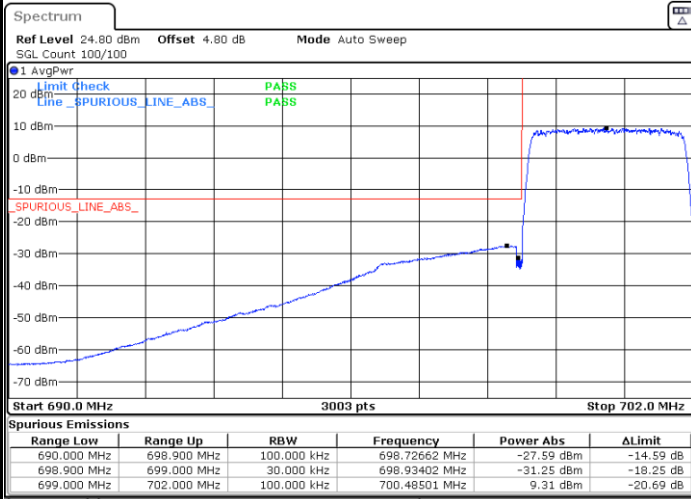
Date: 26 APR 2024 01:23:57

Highest Band Edge / 1 RB



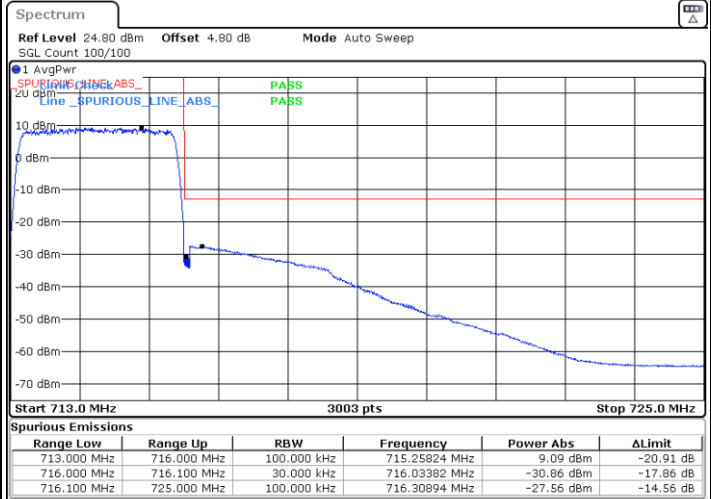
Date: 26 APR 2024 01:34:22

Lowest Band Edge / Full RB



Date: 26 APR 2024 01:27:10

Highest Band Edge / Full RB



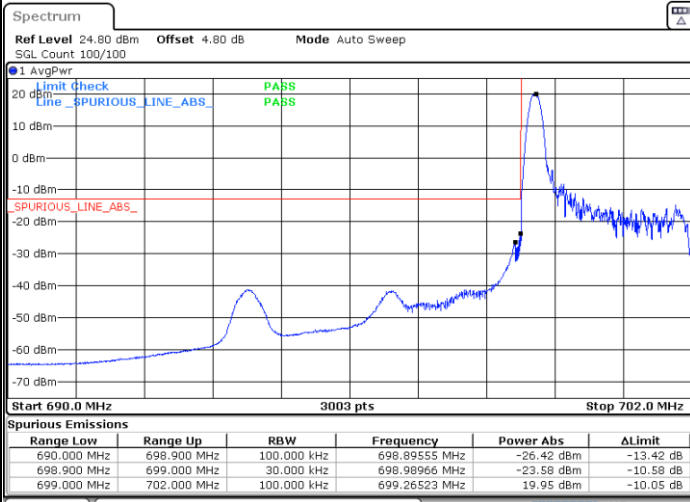
Date: 26 APR 2024 01:37:38



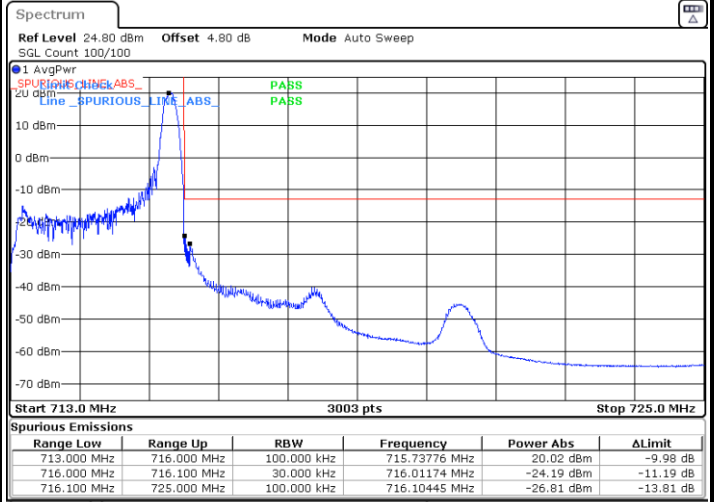
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



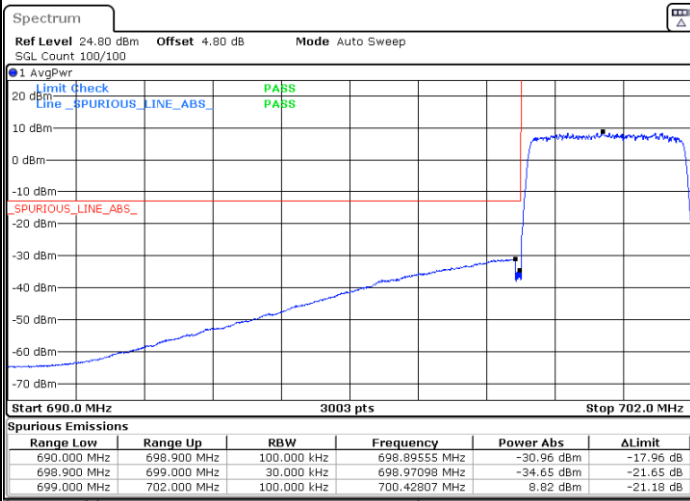
Date: 26 APR 2024 01:25:02



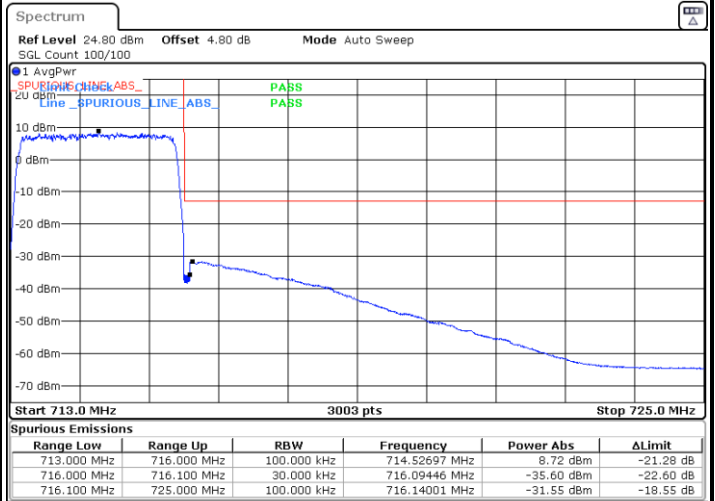
Date: 26 APR 2024 01:35:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 APR 2024 01:26:06



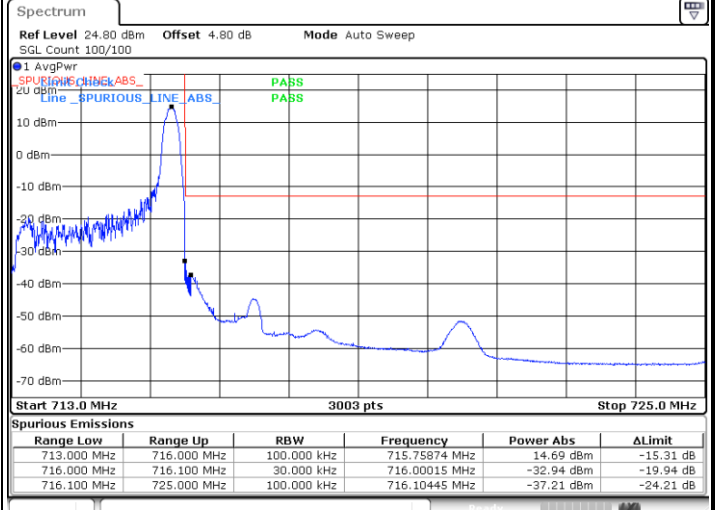
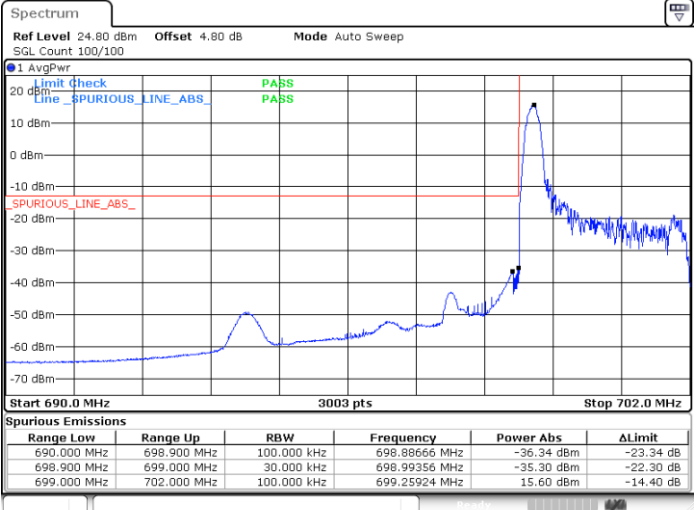
Date: 26 APR 2024 01:36:30



LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

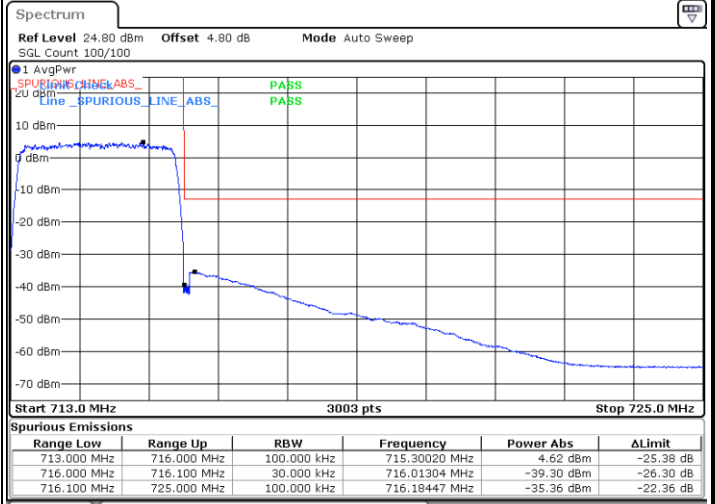
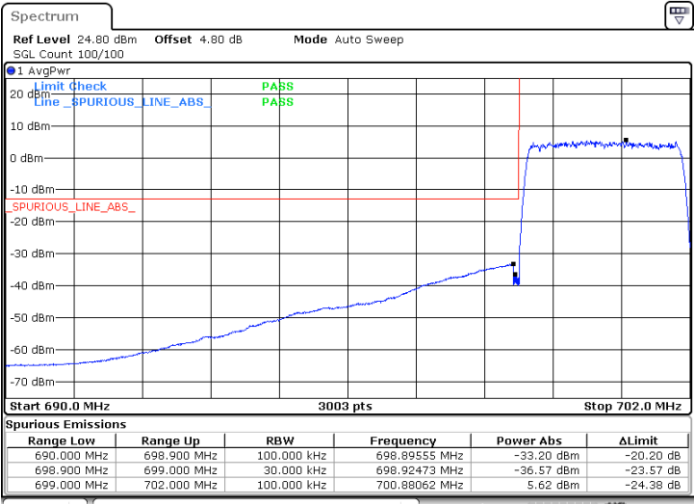


Date: 7.MAY.2024 22:02:54

Date: 7.MAY.2024 22:05:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.MAY.2024 22:03:41

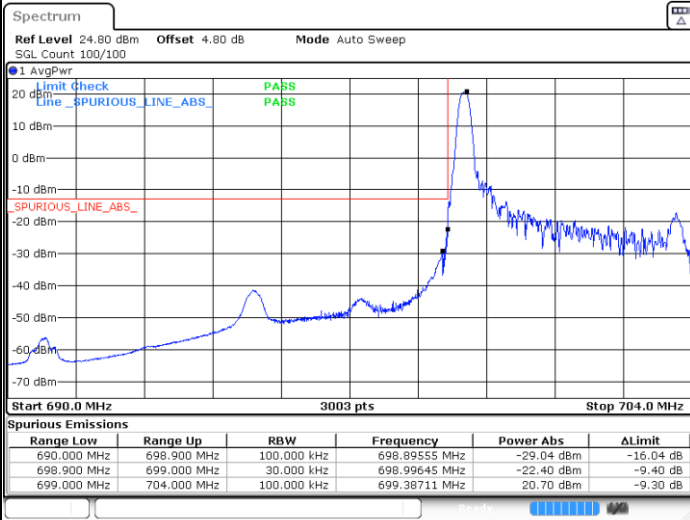
Date: 7.MAY.2024 22:04:34



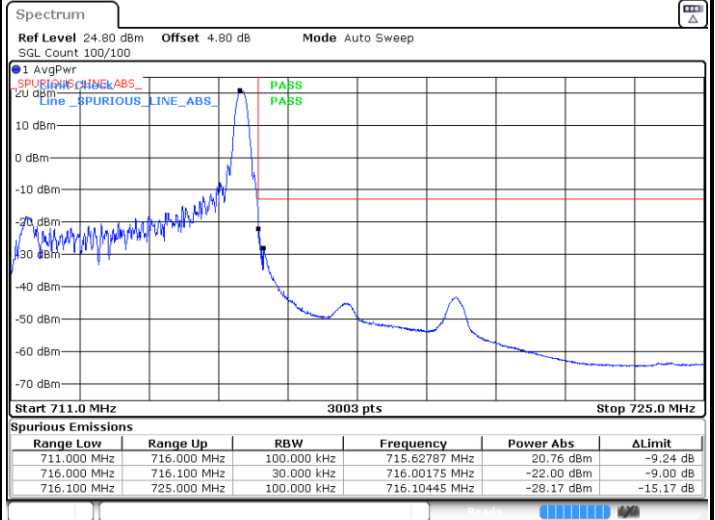
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



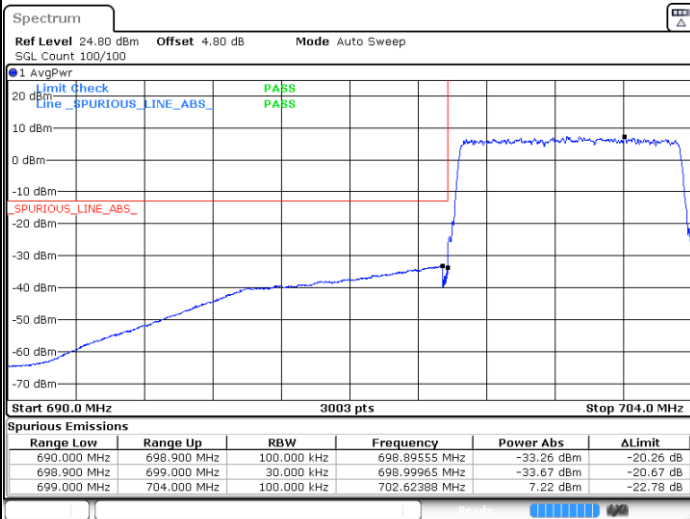
Date: 26 APR 2024 01:41:47



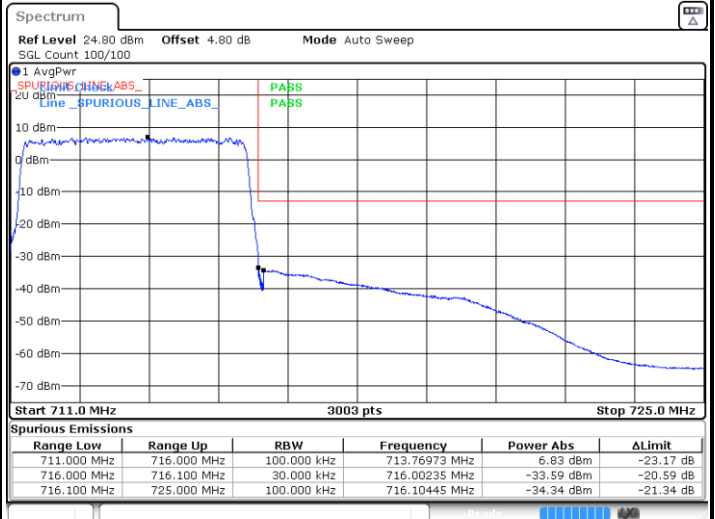
Date: 26 APR 2024 01:52:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 26 APR 2024 01:47:08

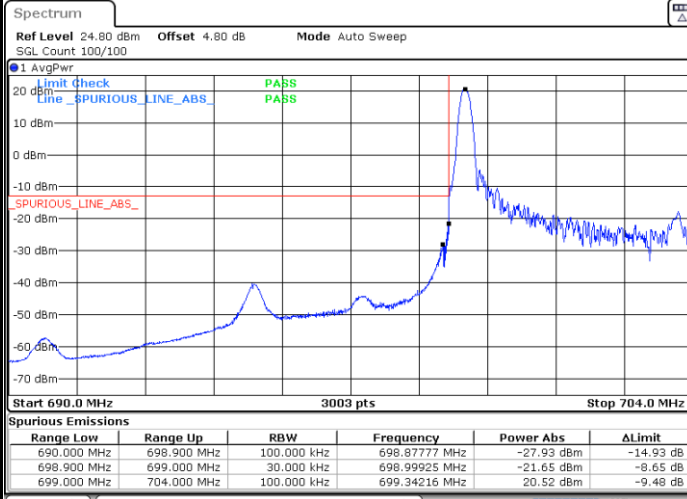


Date: 26 APR 2024 01:57:33



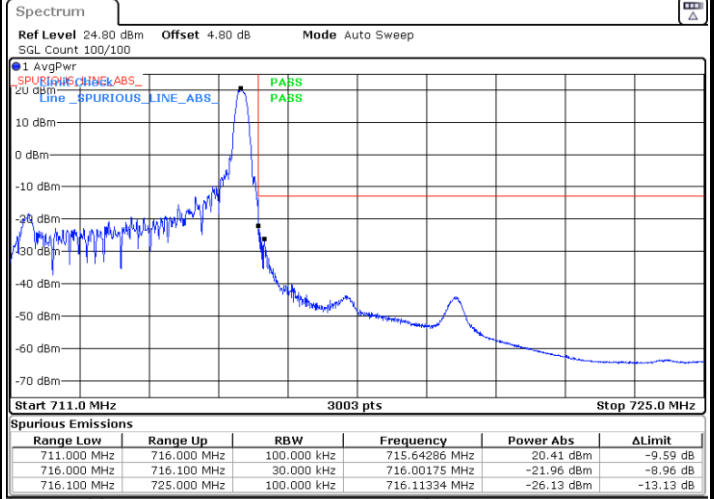
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



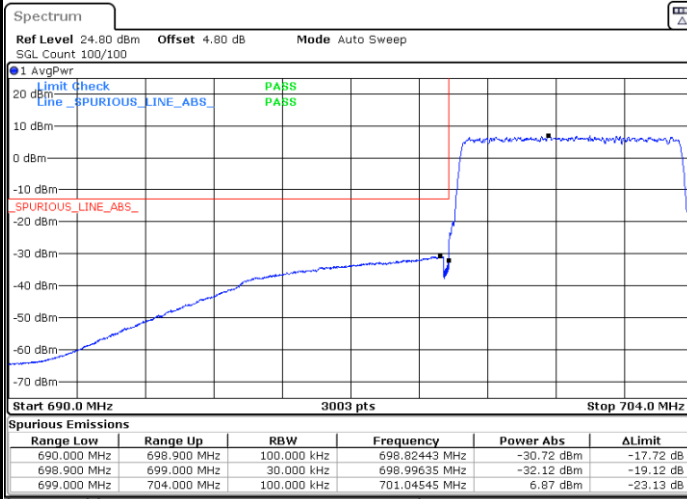
Date: 26 APR 2024 01:42:51

Highest Band Edge / 1 RB



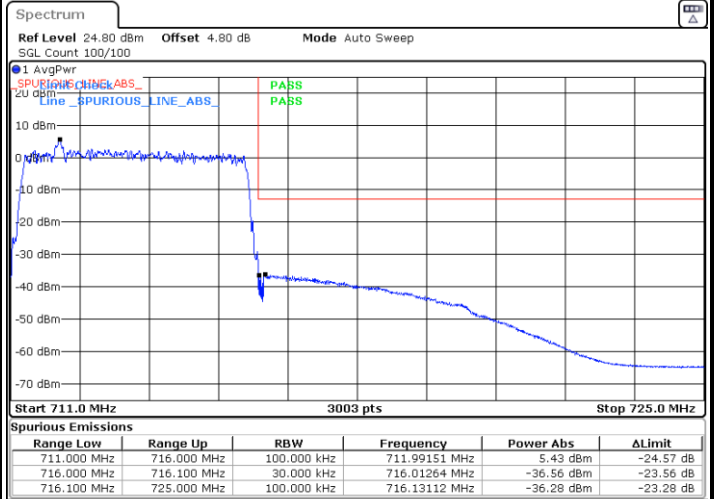
Date: 26 APR 2024 01:53:16

Lowest Band Edge / Full RB



Date: 26 APR 2024 01:46:04

Highest Band Edge / Full RB

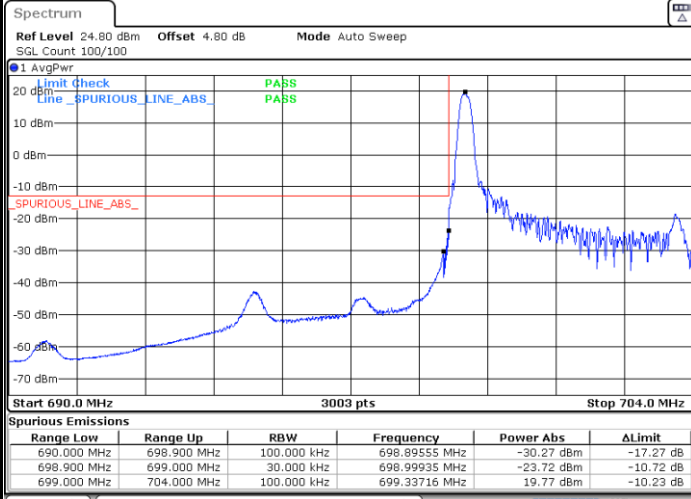


Date: 26 APR 2024 01:56:29



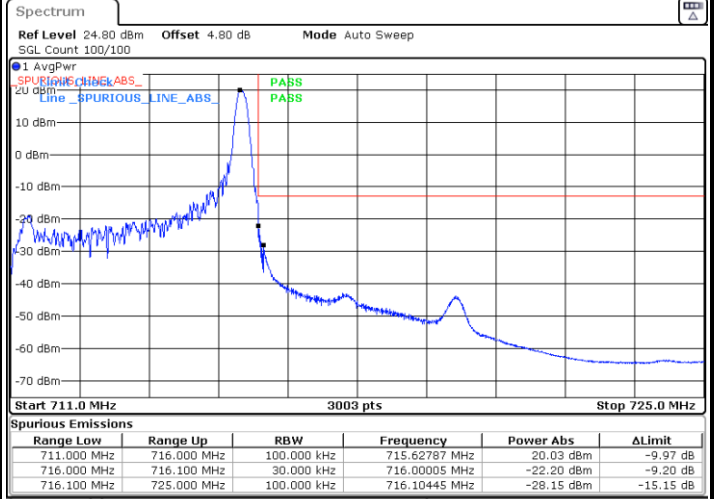
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



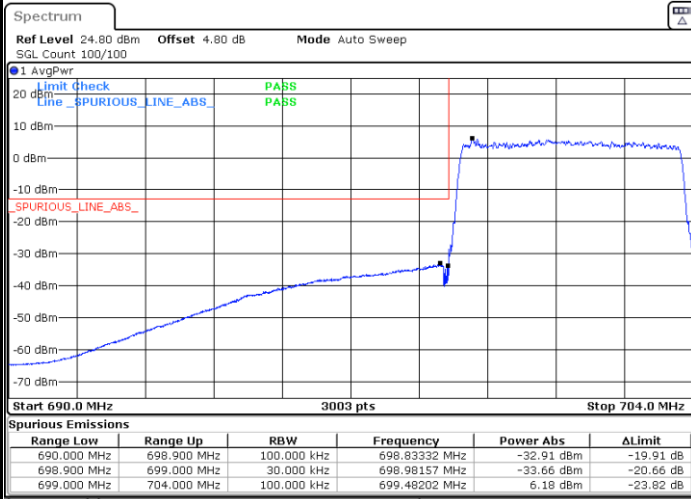
Date: 26 APR 2024 01:43:55

Highest Band Edge / 1 RB



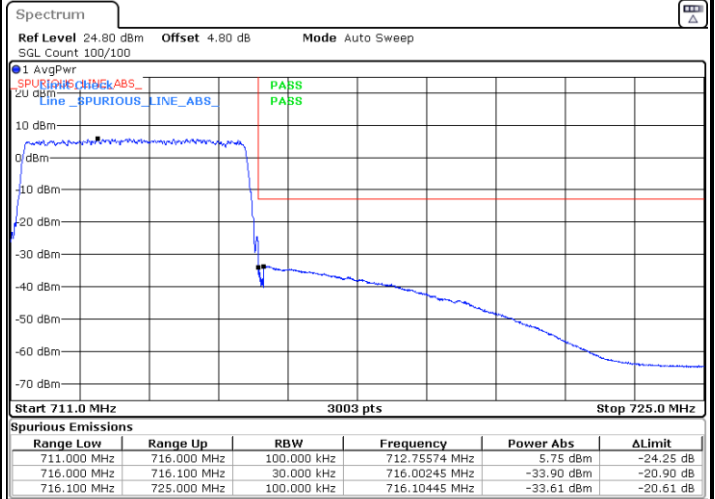
Date: 26 APR 2024 01:54:20

Lowest Band Edge / Full RB



Date: 26 APR 2024 01:45:00

Highest Band Edge / Full RB

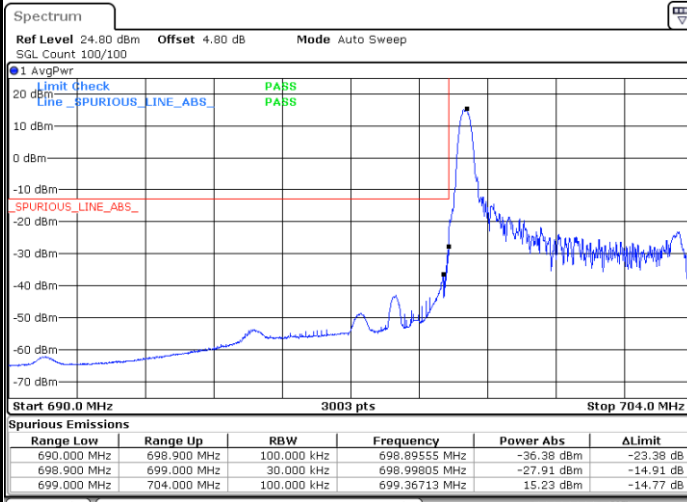


Date: 26 APR 2024 01:55:24



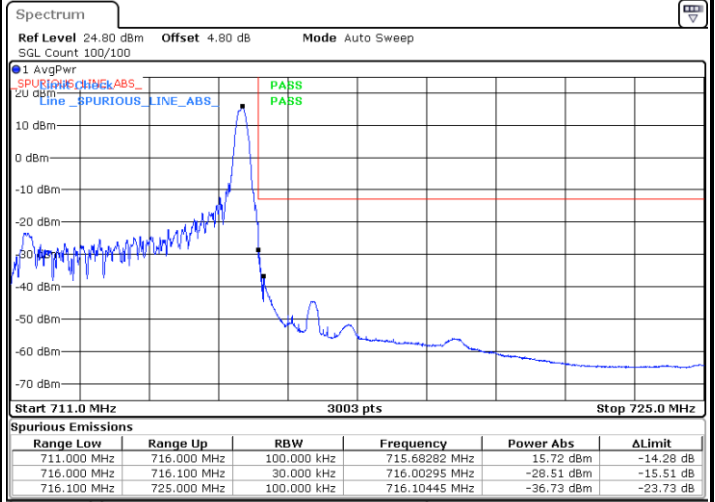
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1RB



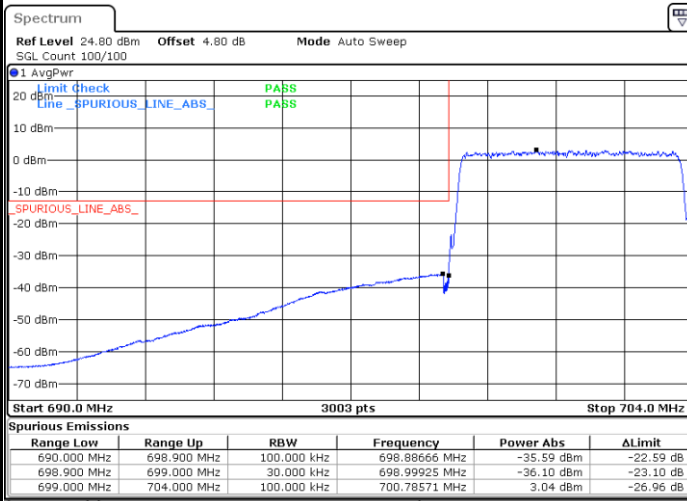
Date: 7.MAY.2024 22:06:55

Highest Band Edge / 1 RB



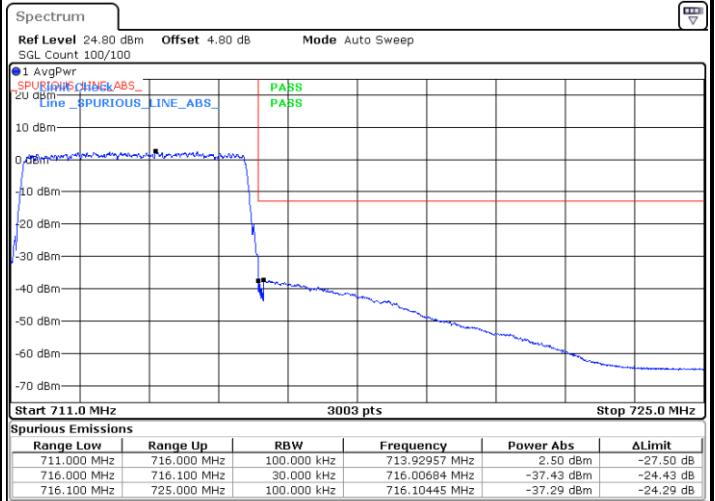
Date: 7.MAY.2024 22:10:04

Lowest Band Edge / Full RB



Date: 7.MAY.2024 22:08:00

Highest Band Edge / Full RB

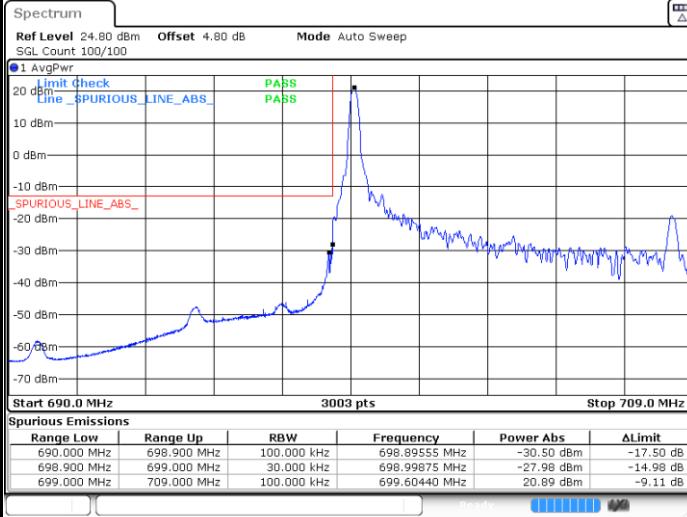


Date: 7.MAY.2024 22:09:13



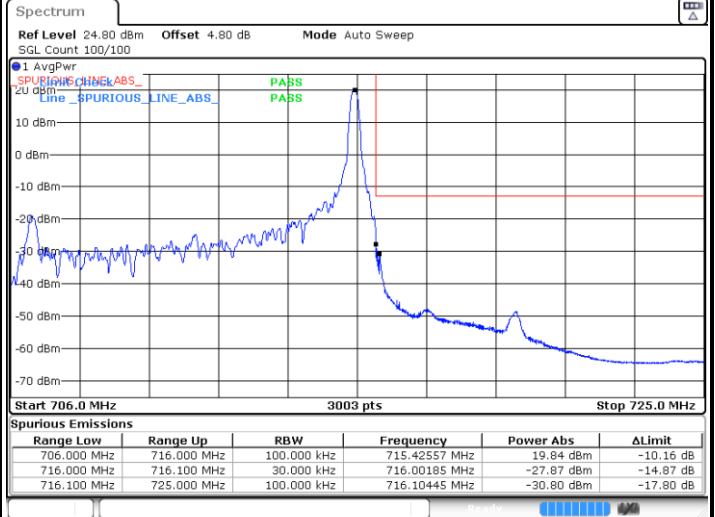
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



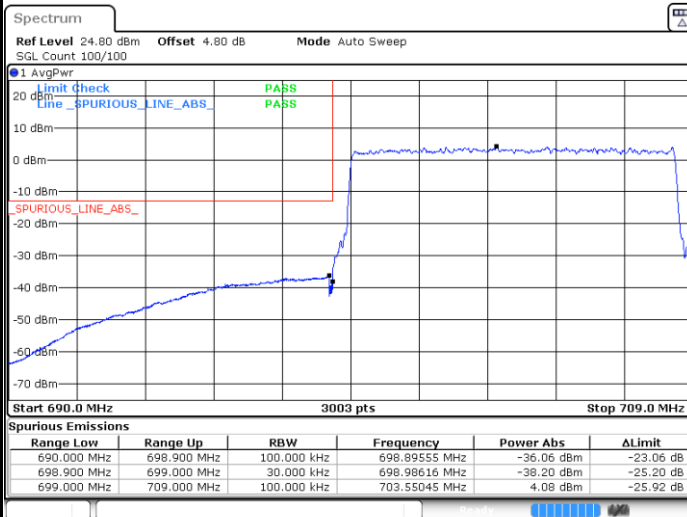
Date: 26 APR 2024 02:00:38

Highest Band Edge / 1 RB



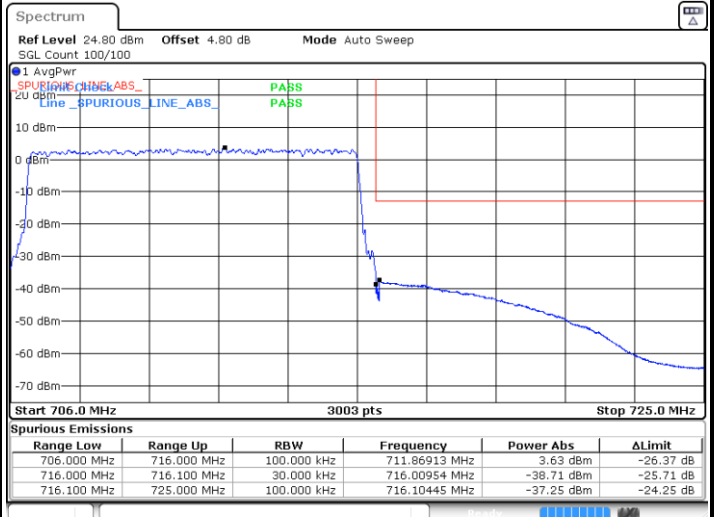
Date: 26 APR 2024 02:11:02

Lowest Band Edge / Full RB



Date: 26 APR 2024 02:05:59

Highest Band Edge / Full RB



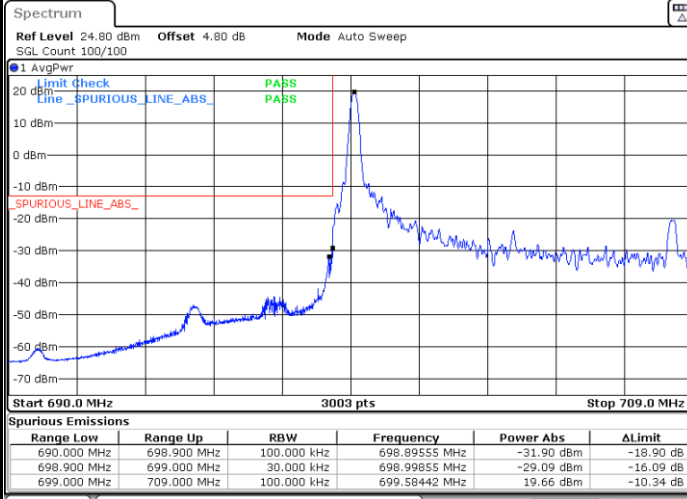
Date: 26 APR 2024 02:16:24





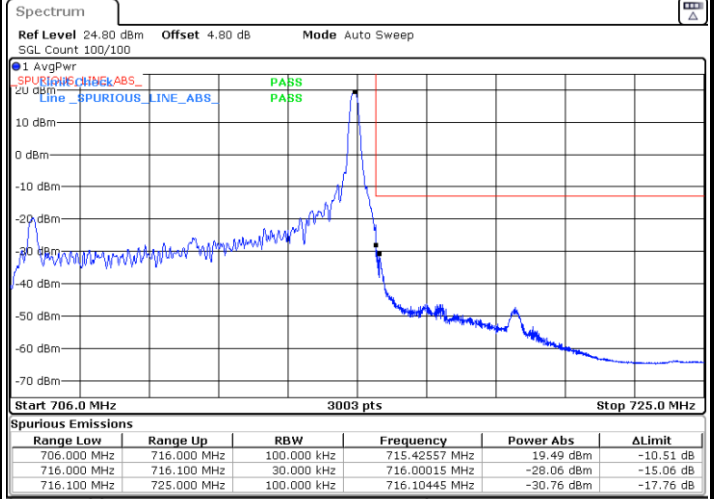
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



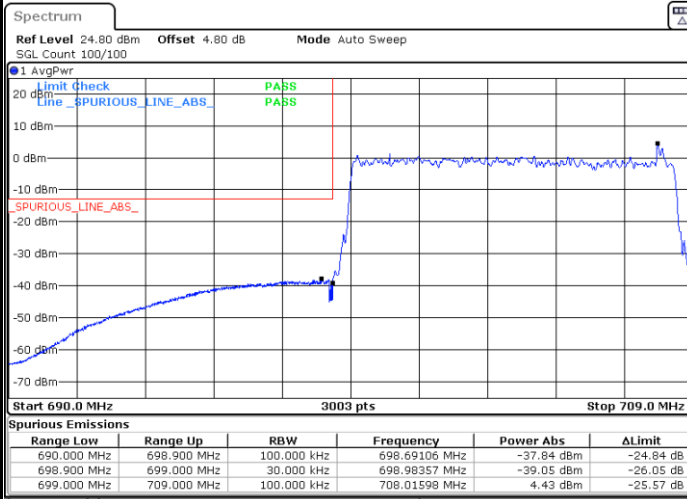
Date: 26 APR 2024 02:01:42

Highest Band Edge / 1 RB



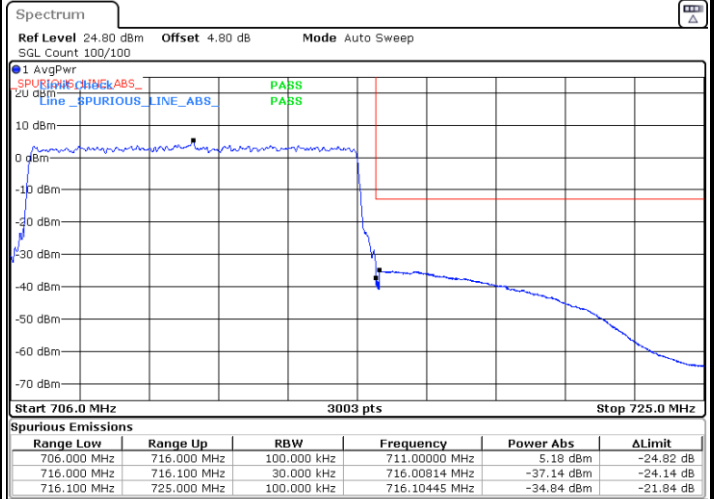
Date: 26 APR 2024 02:12:06

Lowest Band Edge / Full RB



Date: 26 APR 2024 02:04:55

Highest Band Edge / Full RB

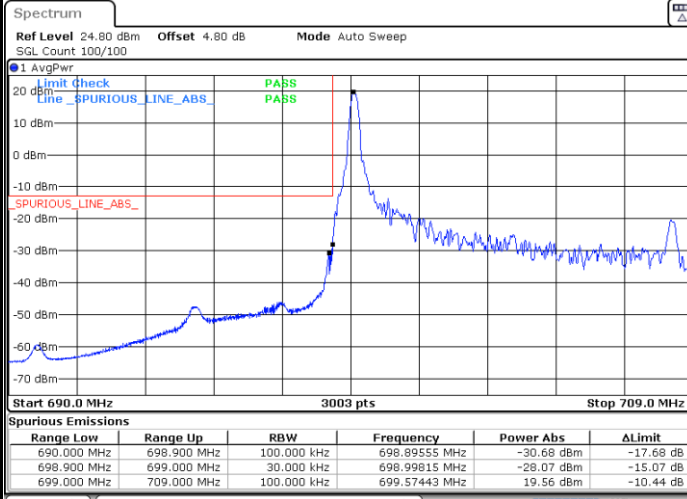


Date: 26 APR 2024 02:15:19



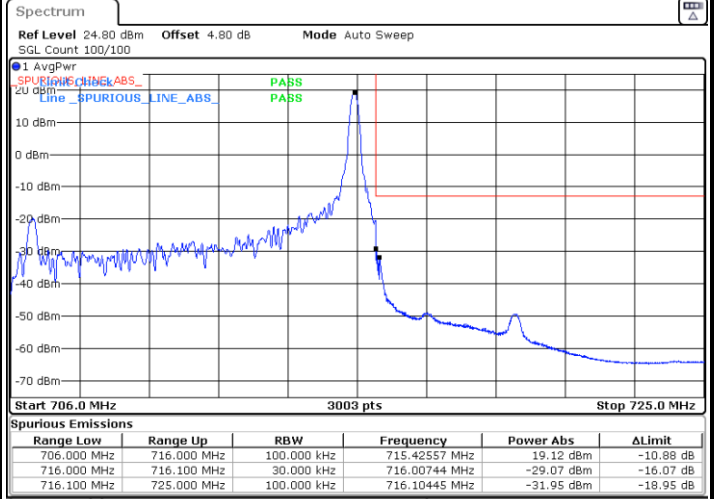
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



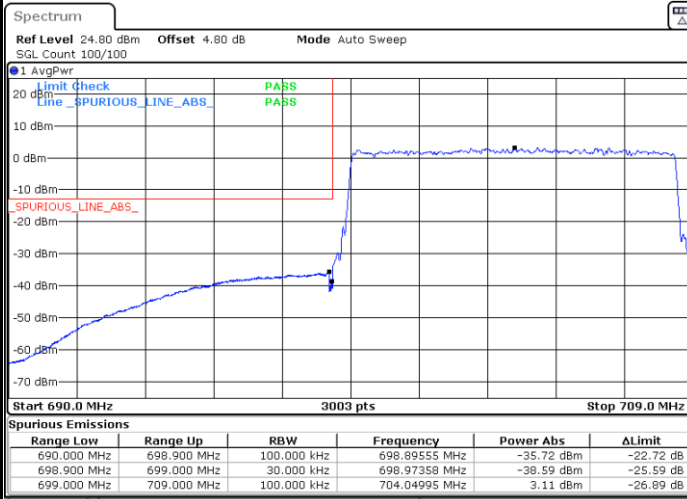
Date: 26 APR 2024 02:02:46

Highest Band Edge / 1 RB



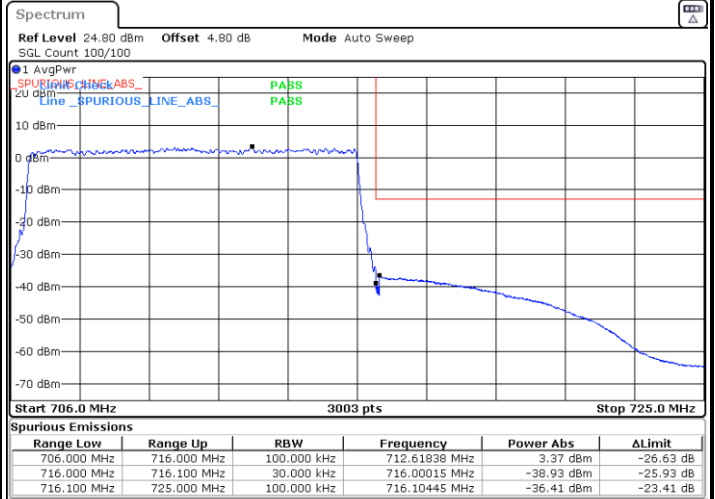
Date: 26 APR 2024 02:13:11

Lowest Band Edge / Full RB



Date: 26 APR 2024 02:03:51

Highest Band Edge / Full RB



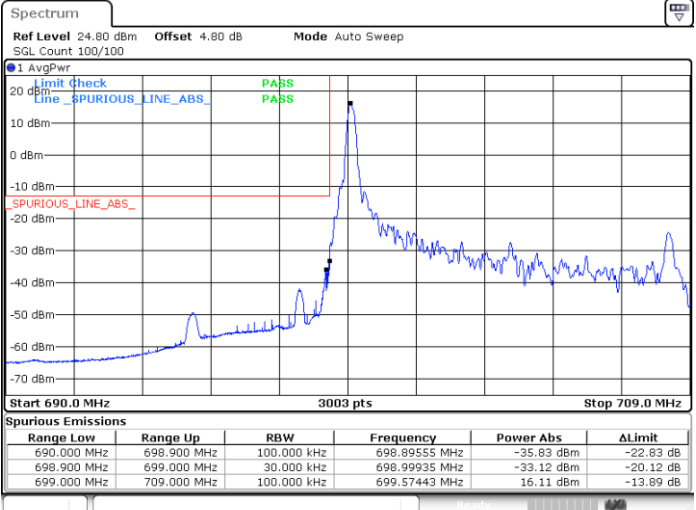
Date: 26 APR 2024 02:14:15



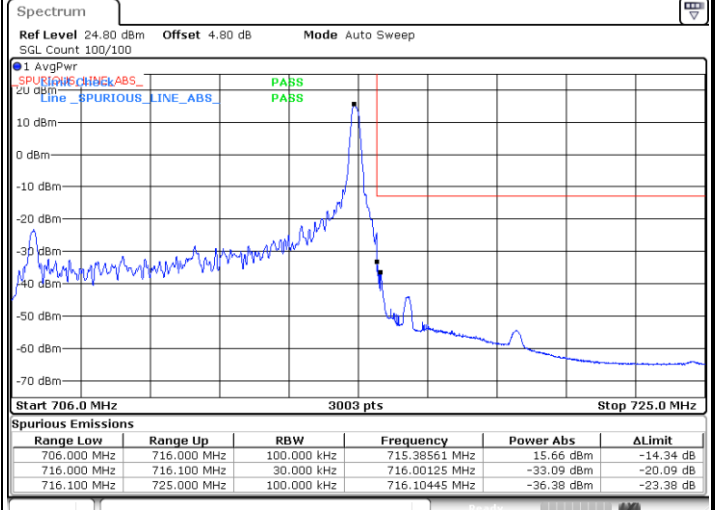
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



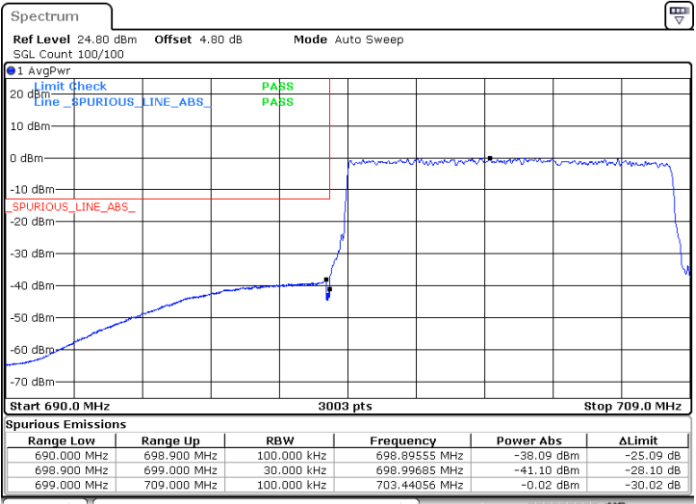
Date: 7.MAY.2024 22:12:31



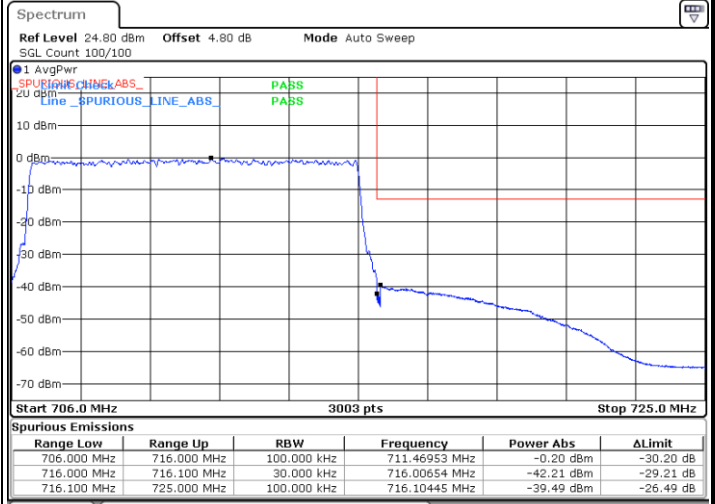
Date: 7.MAY.2024 22:15:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



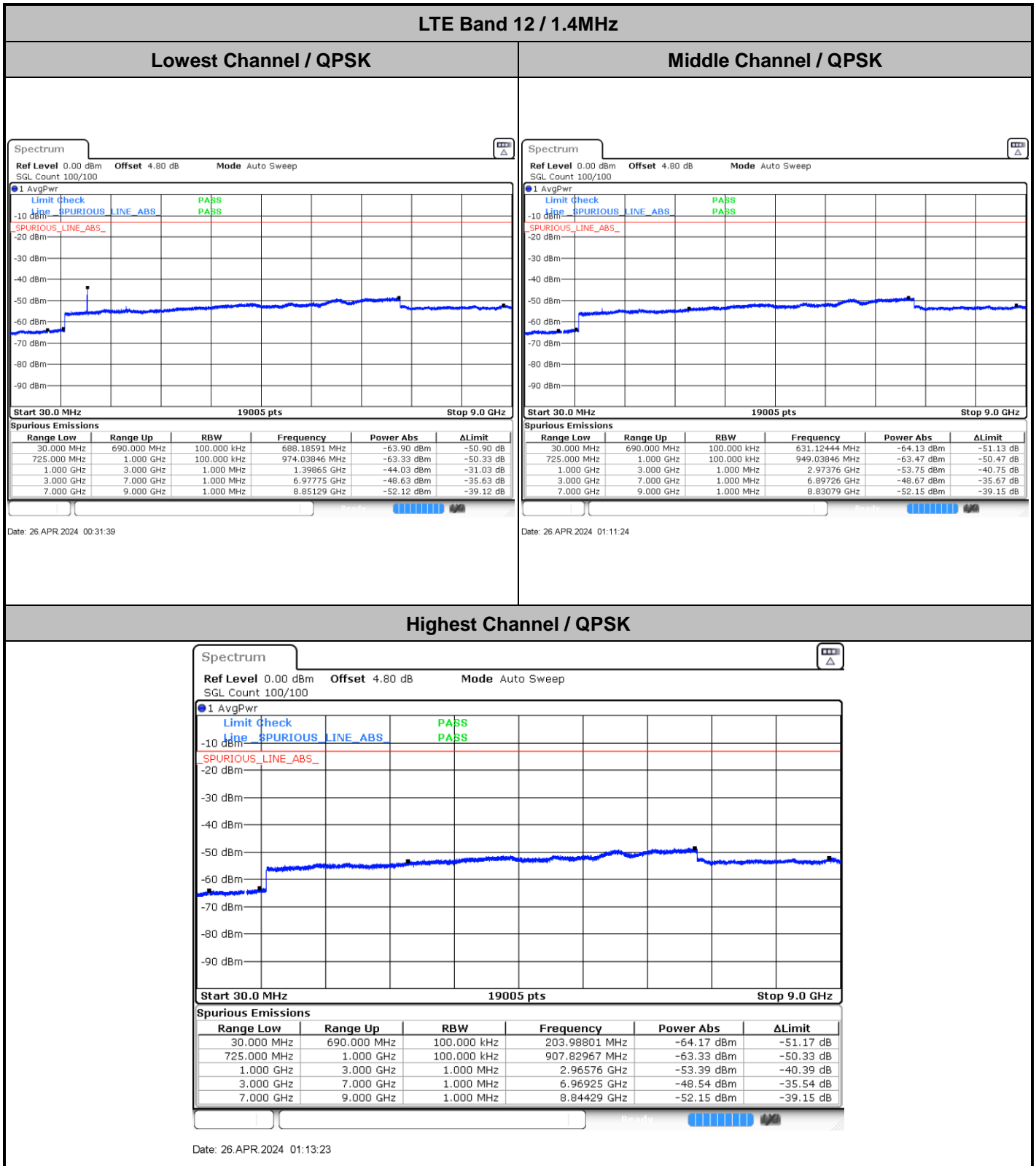
Date: 7.MAY.2024 22:13:21



Date: 7.MAY.2024 22:14:21



# Conducted Spurious Emission

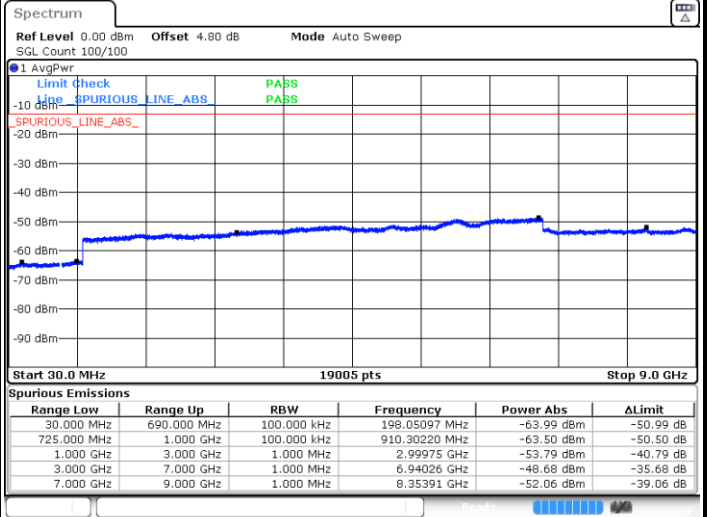
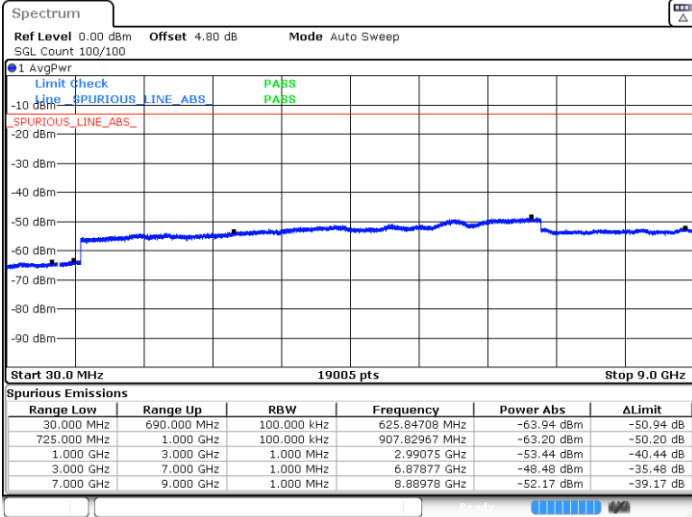




LTE Band 12 / 3MHz

Lowest Channel / QPSK

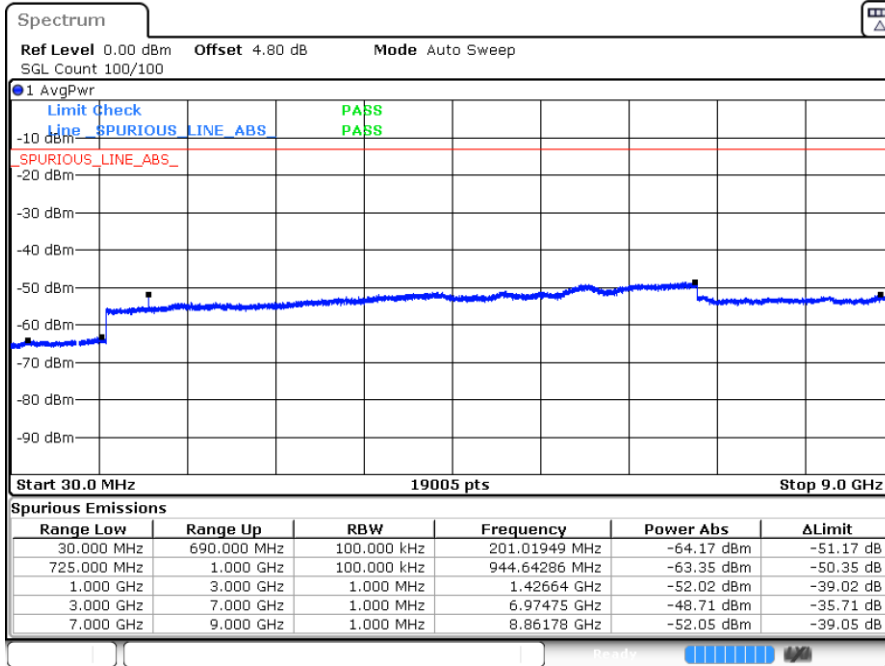
Middle Channel / QPSK



Date: 26 APR 2024 01:21:49

Date: 26 APR 2024 01:30:14

Highest Channel / QPSK



Date: 26 APR 2024 01:32:13