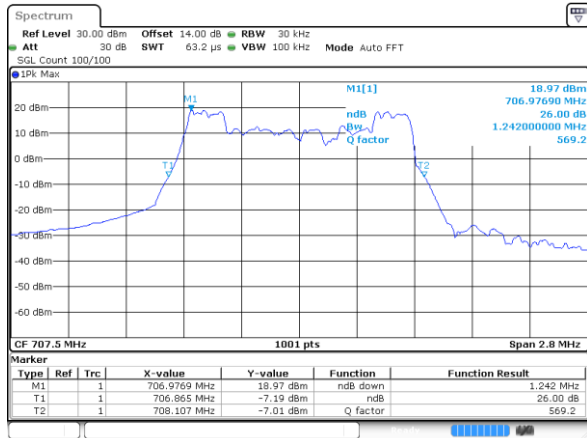




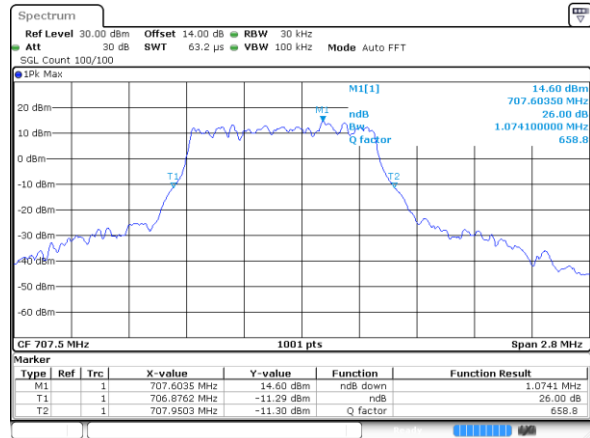
LTE Band 12

Middle Channel / 1.4MHz / QPSK



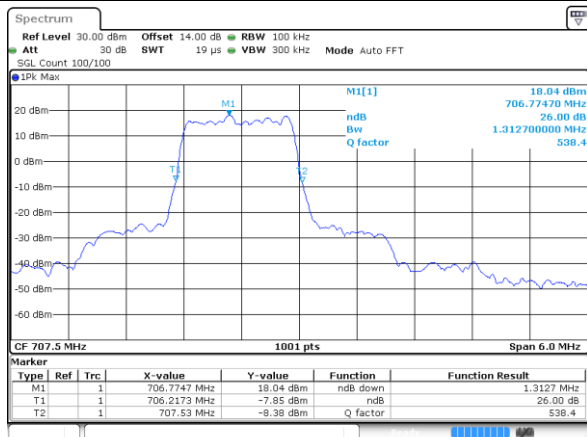
Date: 6 JUN 2024 21:44:18

Middle Channel / 1.4MHz / 16QAM



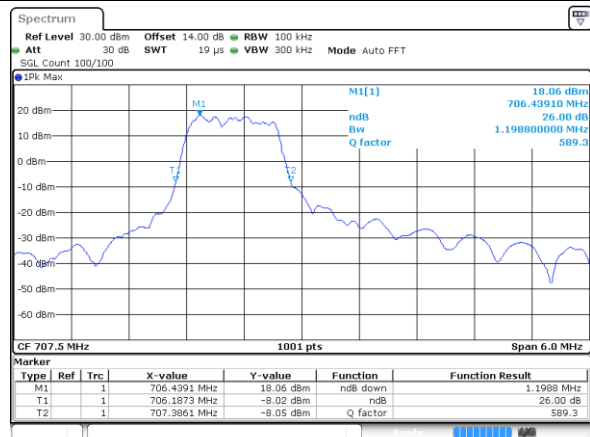
Date: 6 JUN 2024 21:44:41

Middle Channel / 3MHz / QPSK



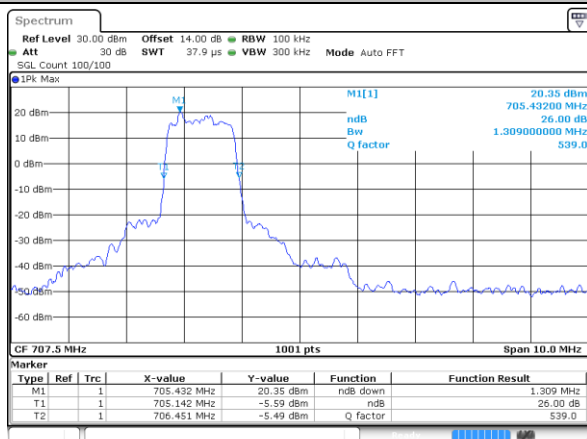
Date: 6 JUN 2024 22:01:55

Middle Channel / 3MHz / 16QAM



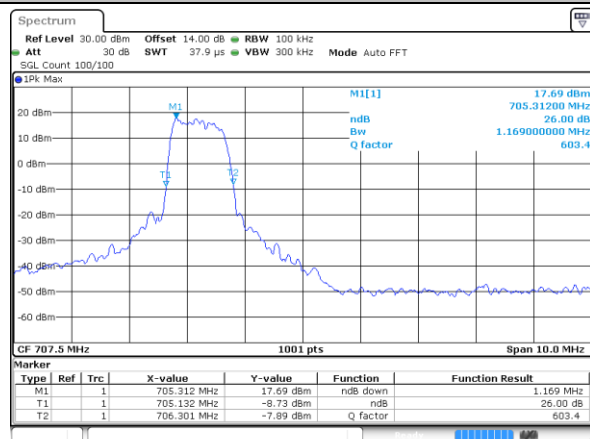
Date: 6 JUN 2024 22:02:15

Middle Channel / 5MHz / QPSK



Date: 6 JUN 2024 22:27:26

Middle Channel / 5MHz / 16QAM

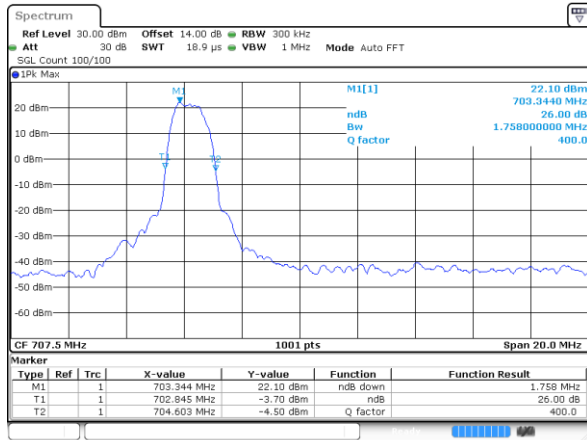


Date: 6 JUN 2024 22:27:44

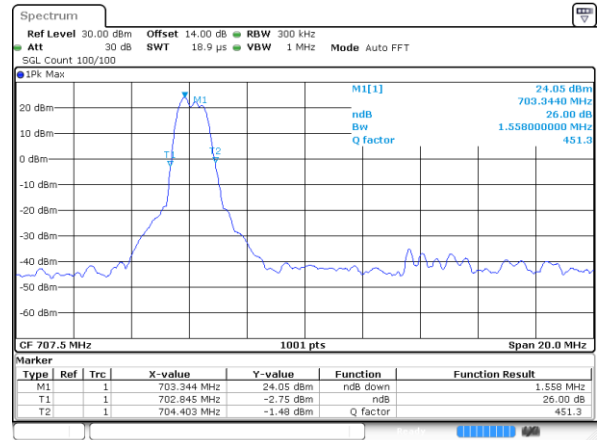


LTE Band 12

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM





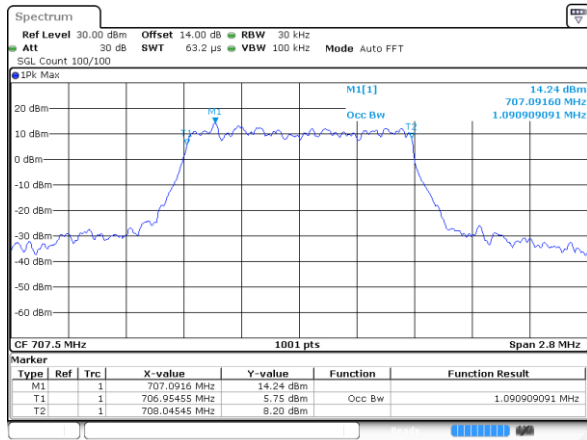
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.10	0.920	1.15	1.00	1.14	0.979	1.44	1.24	-	-	-	-

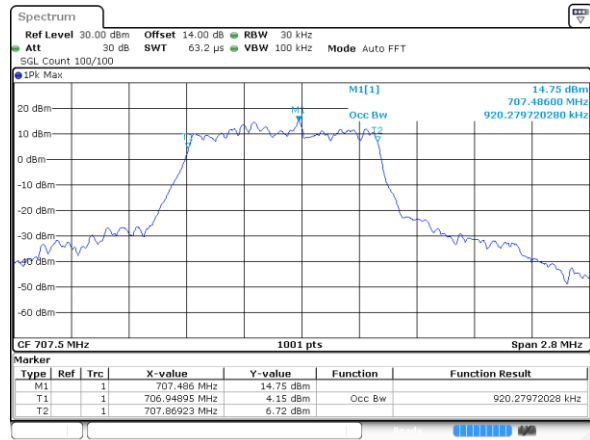


LTE Band 12

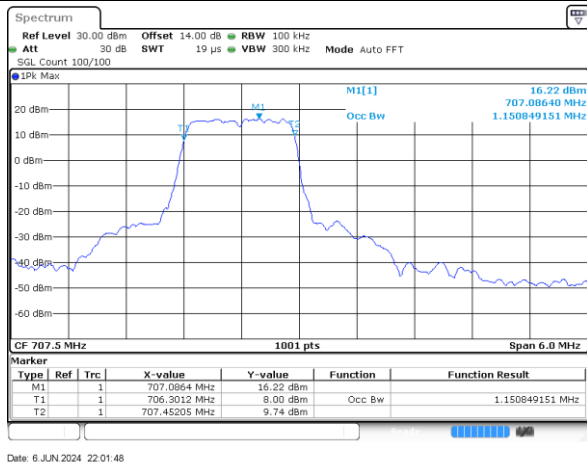
Middle Channel / 1.4MHz / QPSK



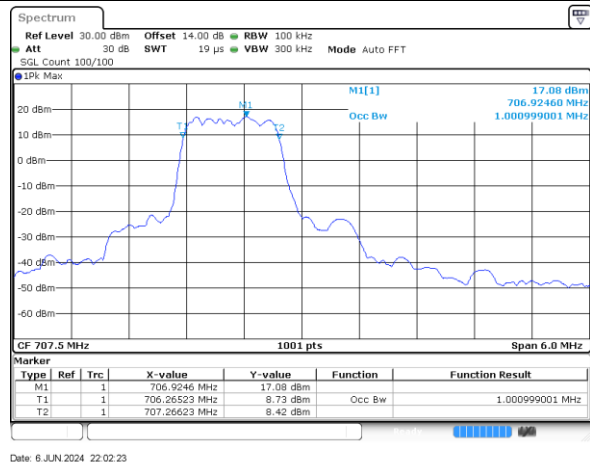
Middle Channel / 1.4MHz / 16QAM



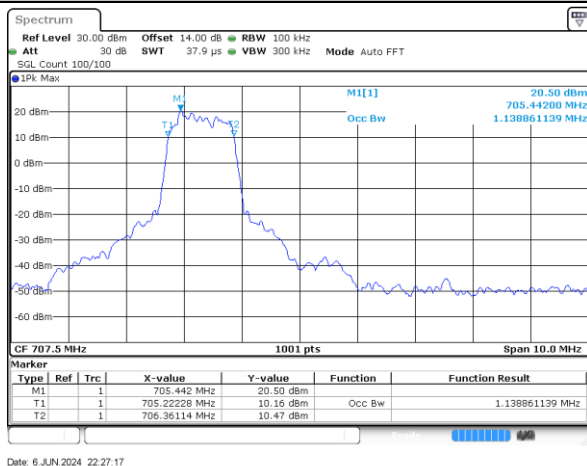
Middle Channel / 3MHz / QPSK



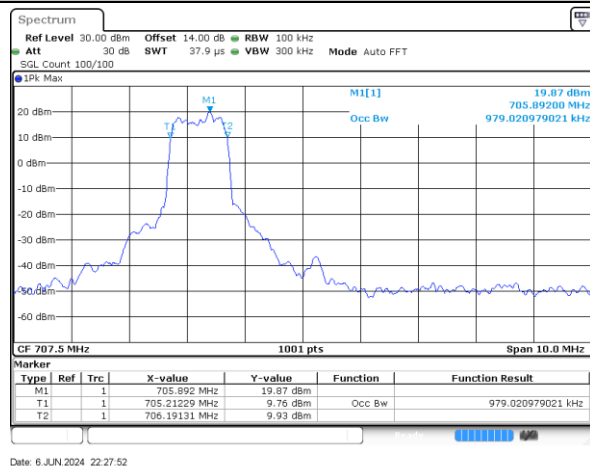
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



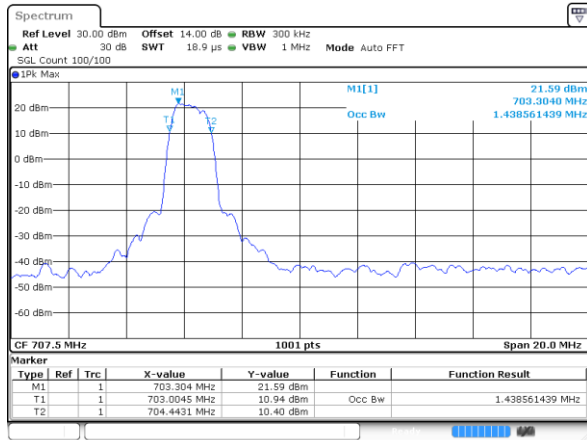
Middle Channel / 5MHz / 16QAM





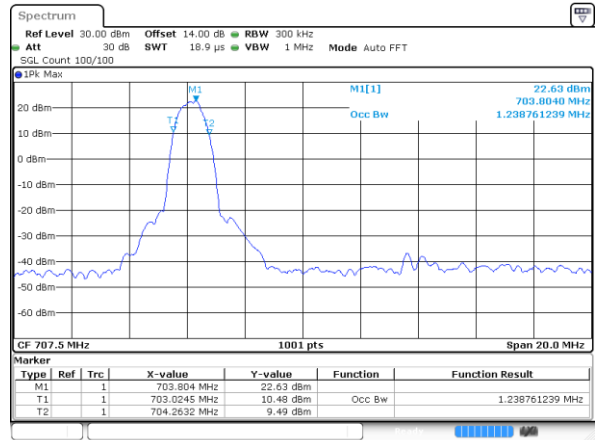
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 6 JUN 2024 22:29:15

Middle Channel / 10MHz / 16QAM



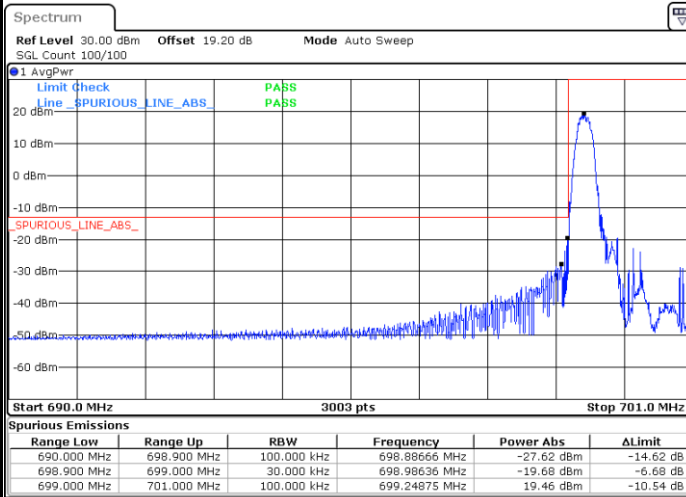
Date: 6 JUN 2024 22:28:34



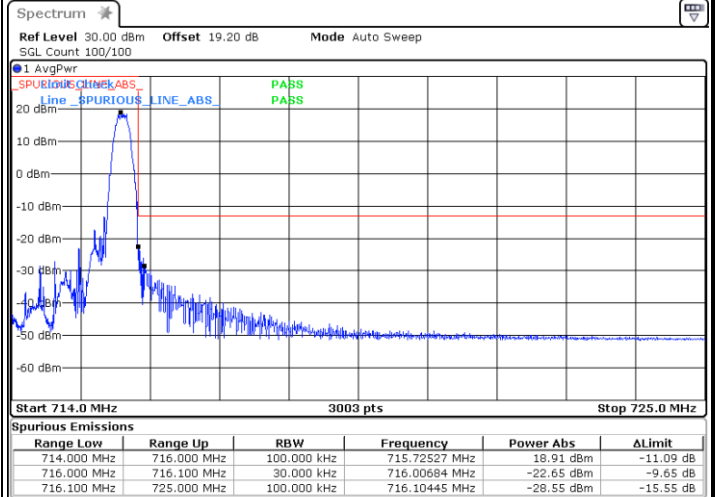
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

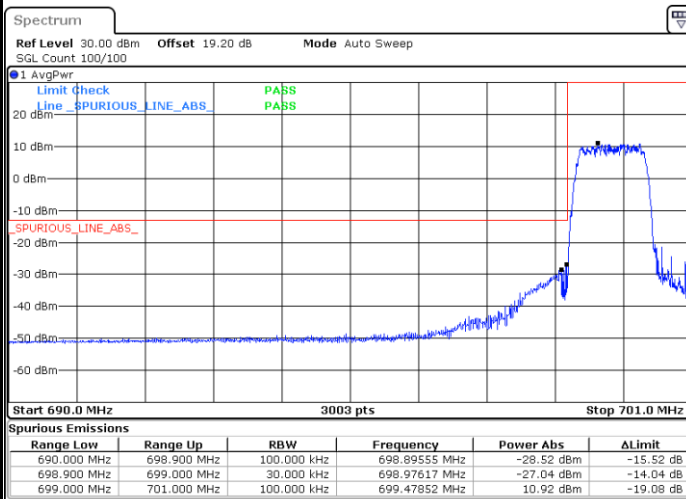
Lowest Band Edge / 1RB



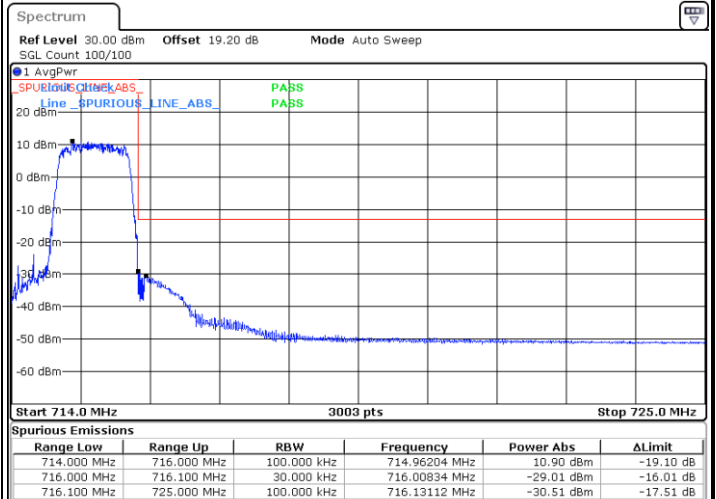
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



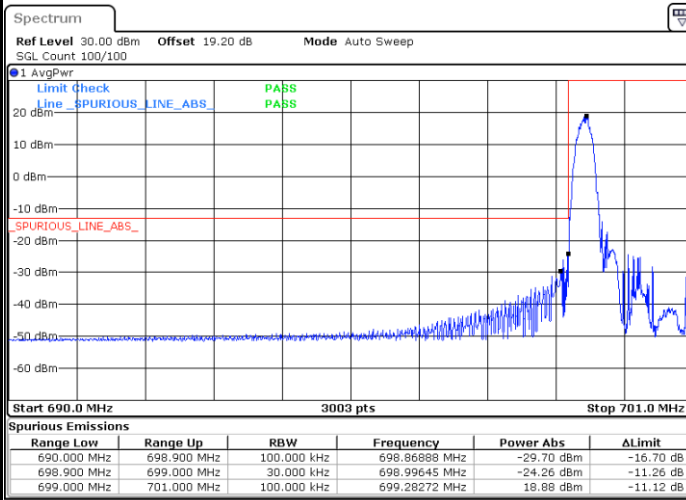
Highest Band Edge / Full RB





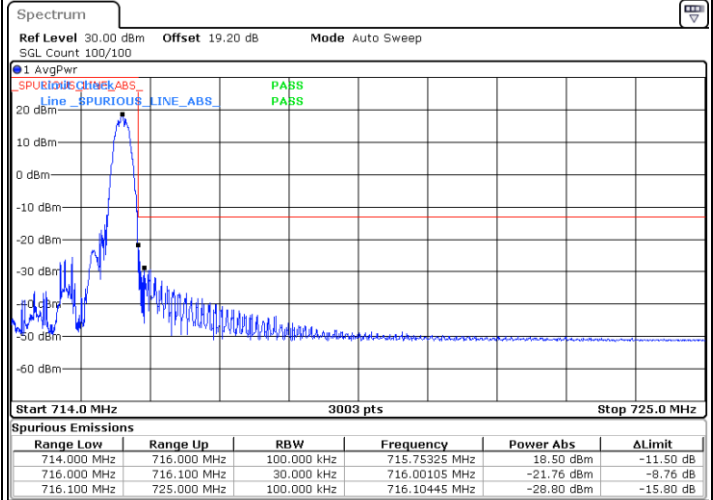
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



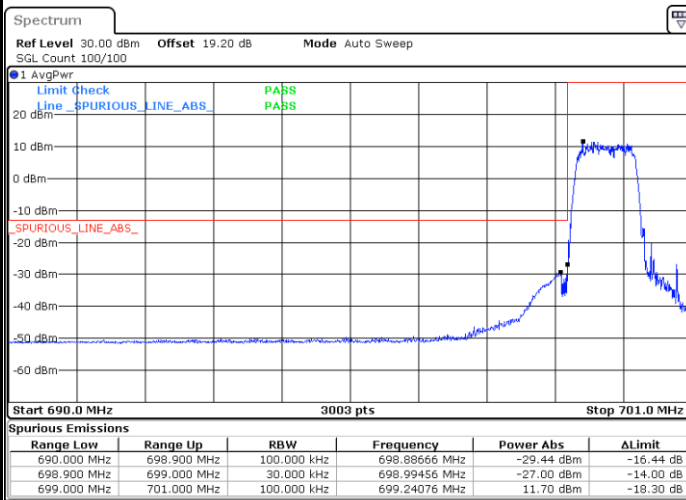
Date: 6 JUN 2024 21:50:58

Highest Band Edge / 1 RB



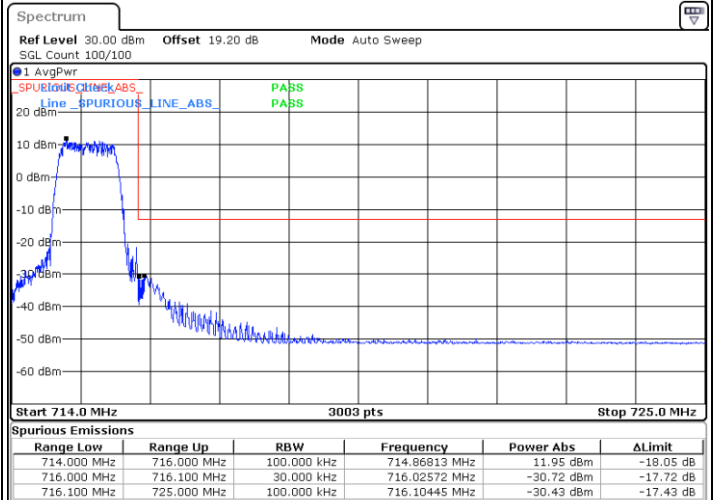
Date: 6 JUN 2024 21:59:17

Lowest Band Edge / Full RB



Date: 6 JUN 2024 21:52:14

Highest Band Edge / Full RB

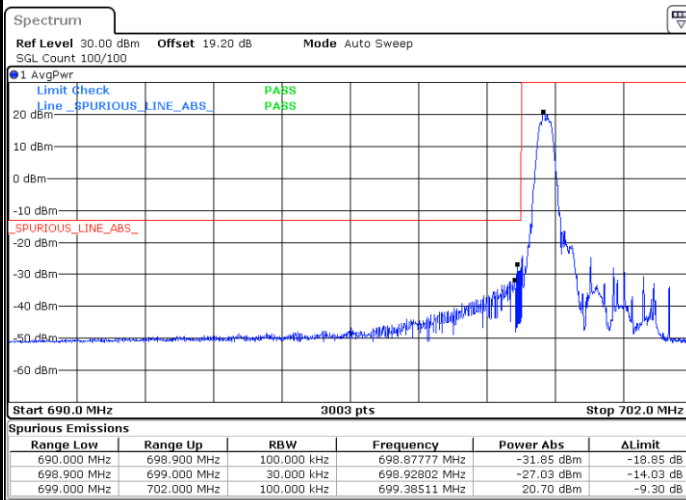


Date: 6 JUN 2024 21:58:12



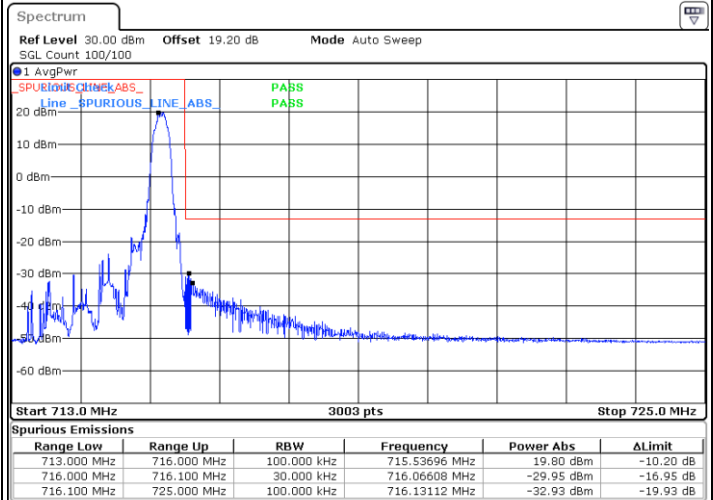
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



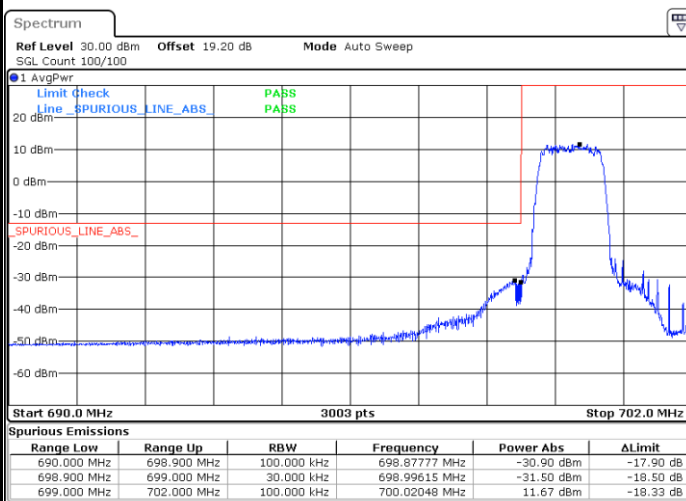
Date: 6 JUN 2024 22:07:33

Highest Band Edge / 1RB



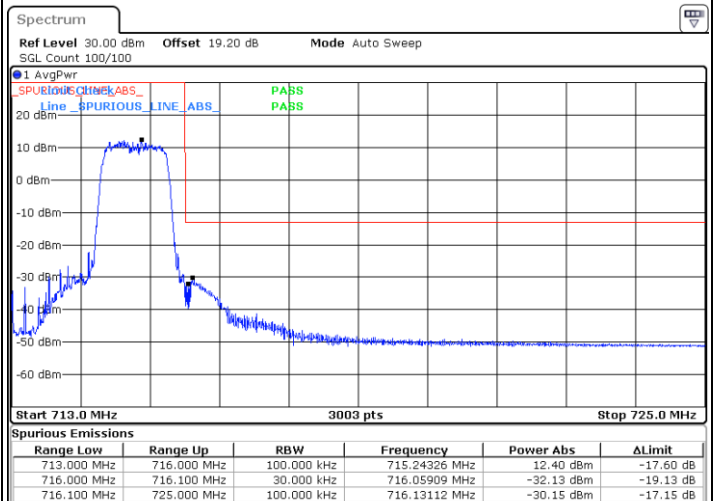
Date: 6 JUN 2024 22:10:04

Lowest Band Edge / Full RB



Date: 6 JUN 2024 22:08:08

Highest Band Edge / Full RB

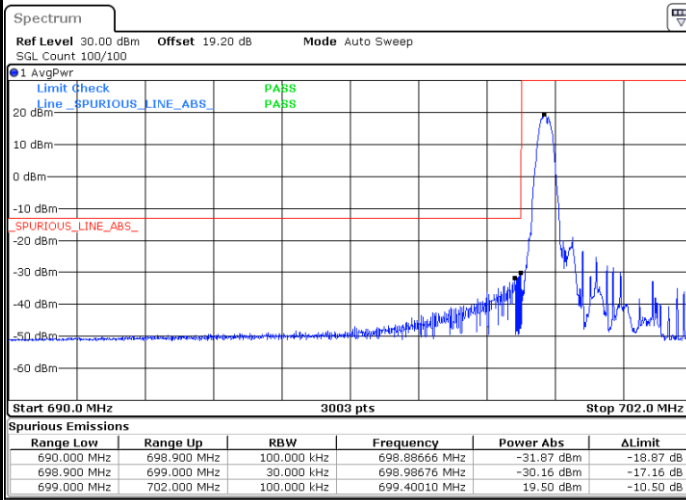


Date: 6 JUN 2024 22:08:49



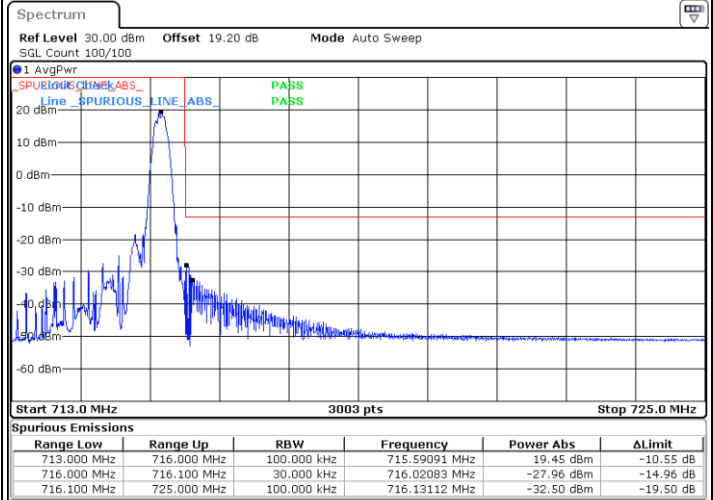
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



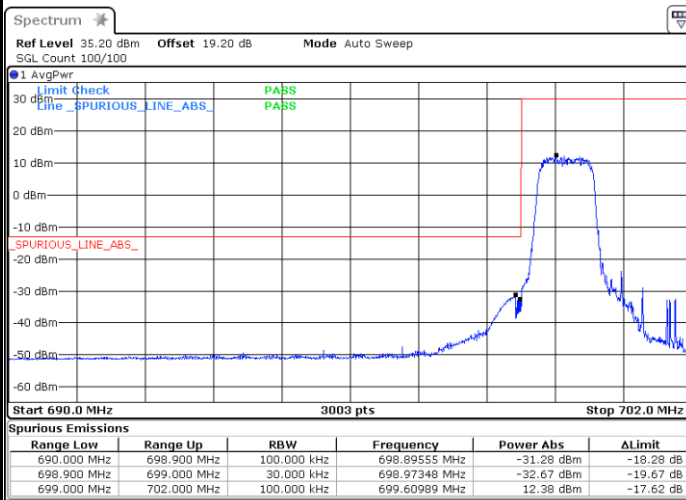
Date: 6 JUN 2024 22:05:41

Highest Band Edge / 1 RB



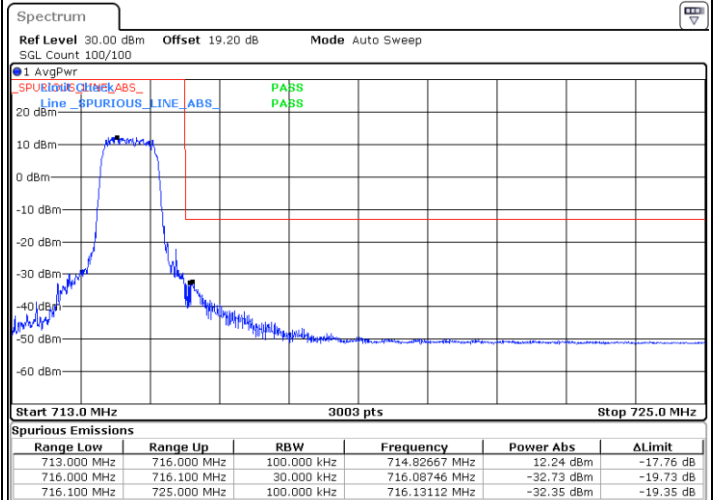
Date: 6 JUN 2024 22:10:41

Lowest Band Edge / Full RB



Date: 6 JUN 2024 22:03:19

Highest Band Edge / Full RB

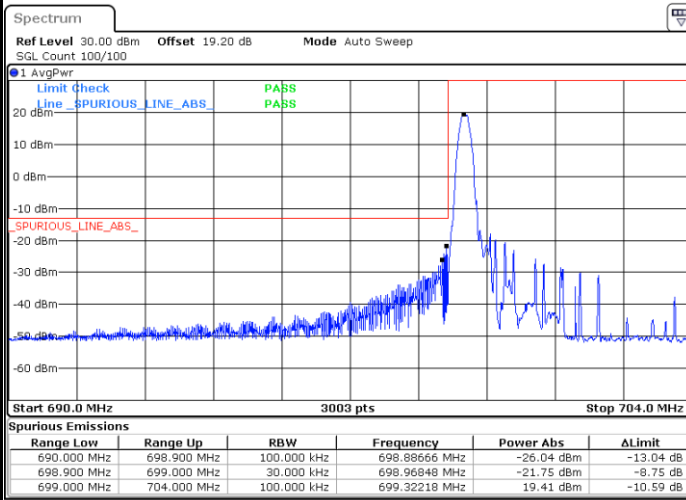


Date: 6 JUN 2024 22:12:10



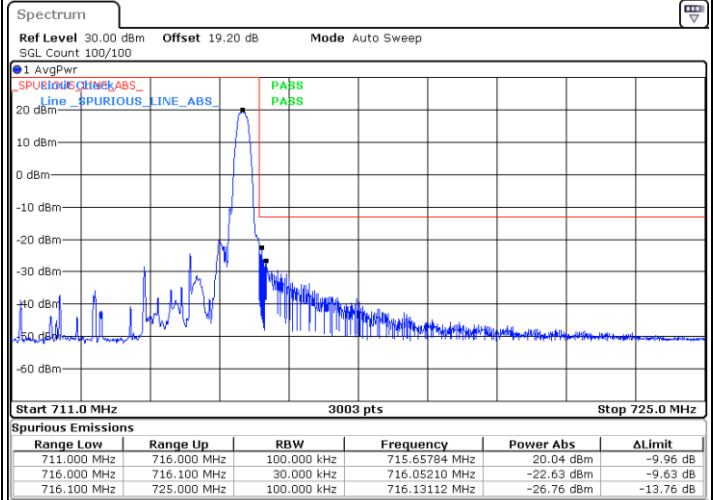
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1RB



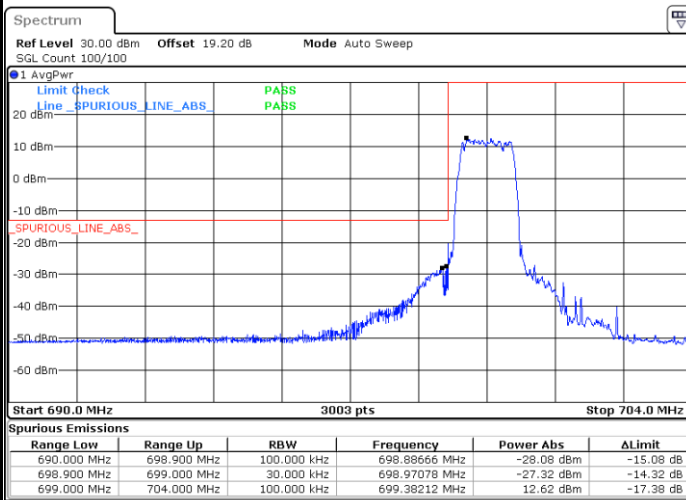
Date: 6 JUN 2024 22:17:00

Highest Band Edge / 1RB



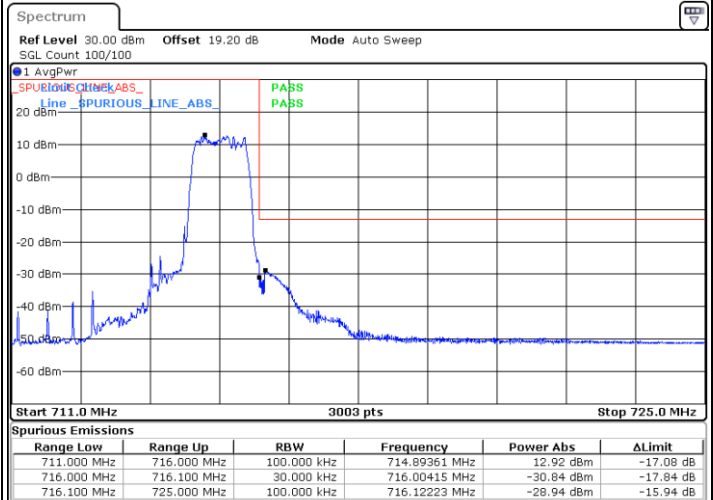
Date: 6 JUN 2024 22:26:40

Lowest Band Edge / Full RB



Date: 6 JUN 2024 22:18:10

Highest Band Edge / Full RB

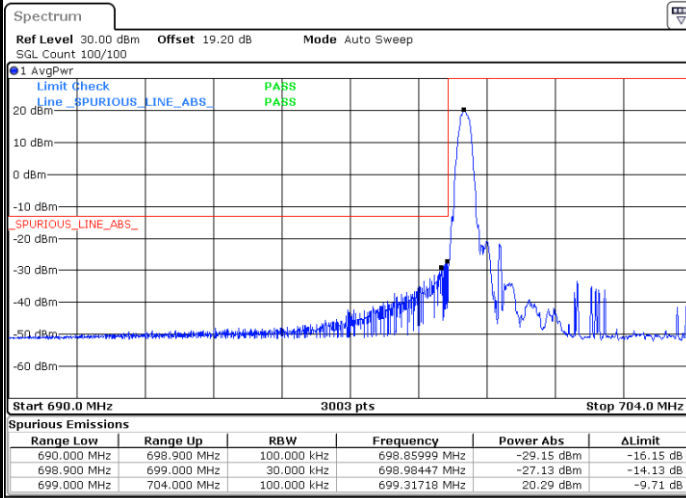


Date: 6 JUN 2024 22:25:28



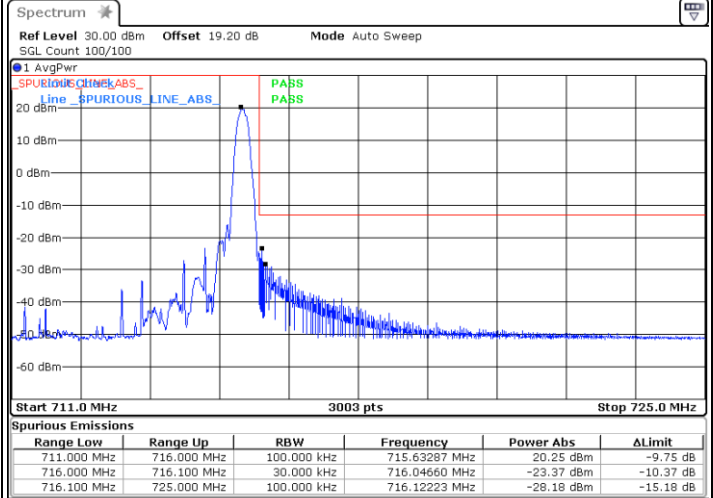
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



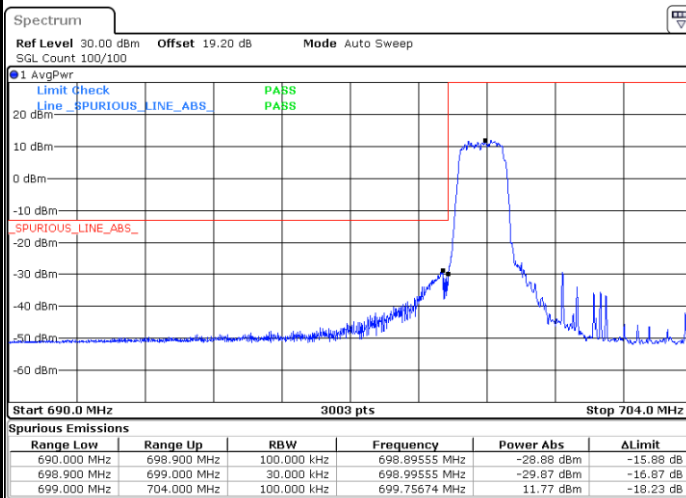
Date: 6 JUN 2024 22:19:28

Highest Band Edge / 1 RB



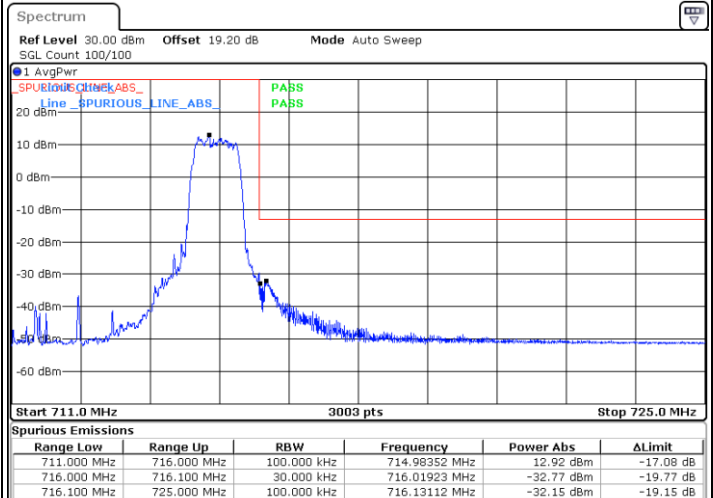
Date: 6 JUN 2024 22:23:37

Lowest Band Edge / Full RB



Date: 6 JUN 2024 22:18:55

Highest Band Edge / Full RB

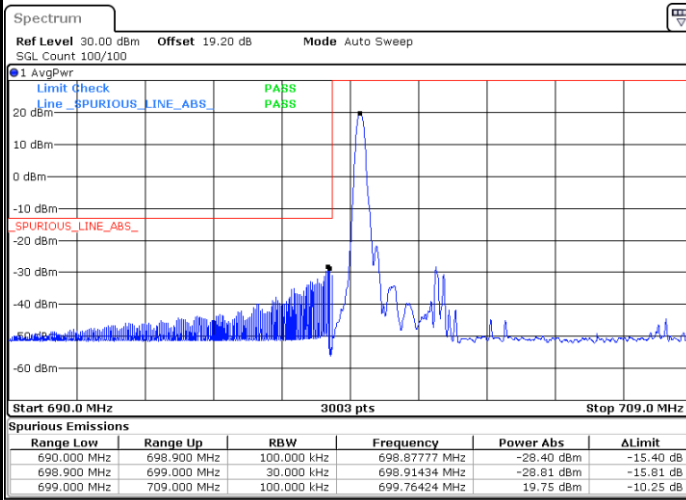


Date: 6 JUN 2024 22:24:49



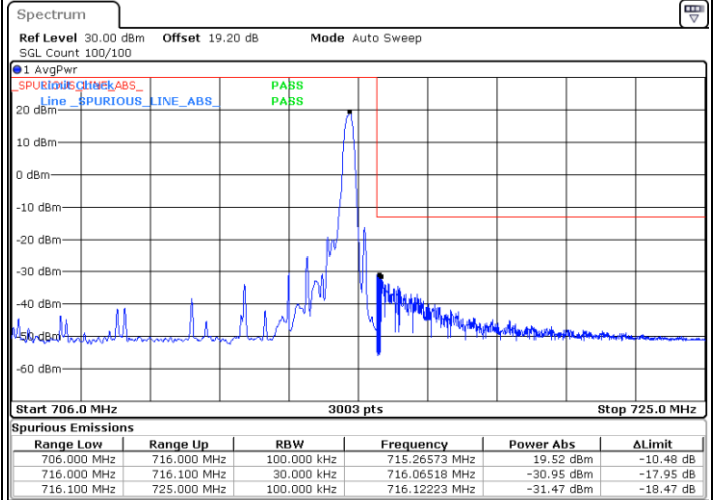
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1RB



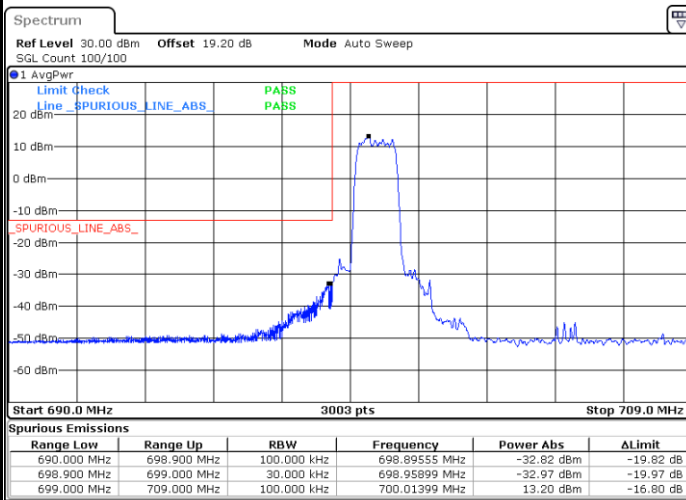
Date: 6 JUN 2024 22:32:00

Highest Band Edge / 1RB



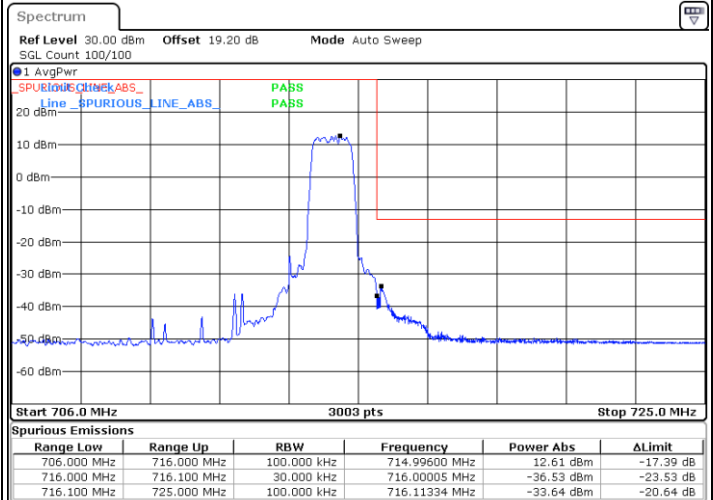
Date: 6 JUN 2024 22:39:58

Lowest Band Edge / Full RB



Date: 6 JUN 2024 22:33:11

Highest Band Edge / Full RB

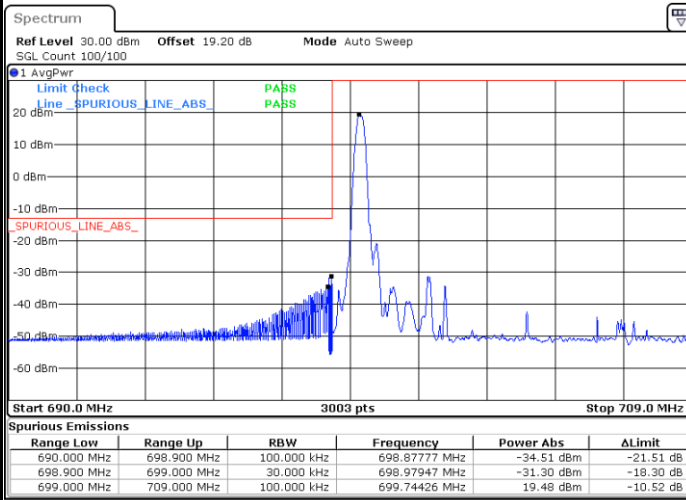


Date: 6 JUN 2024 22:37:37



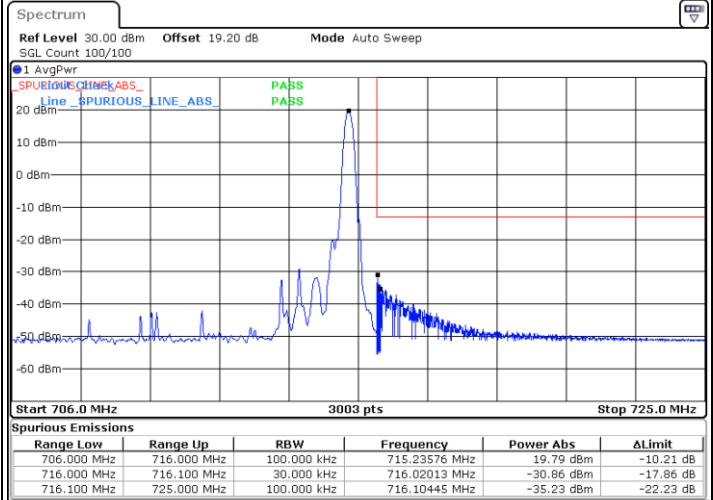
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



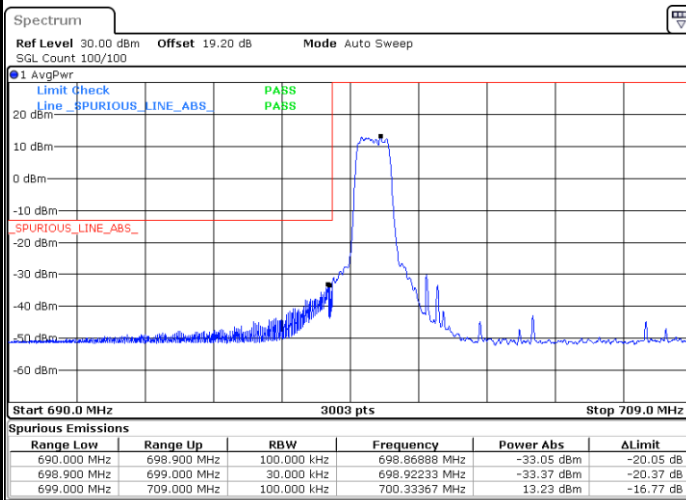
Date: 6 JUN 2024 22:34:32

Highest Band Edge / 1 RB



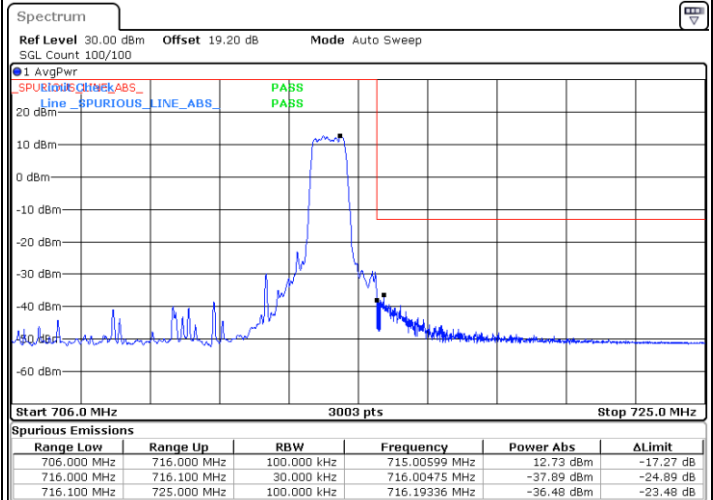
Date: 6 JUN 2024 22:35:48

Lowest Band Edge / Full RB



Date: 6 JUN 2024 22:33:56

Highest Band Edge / Full RB



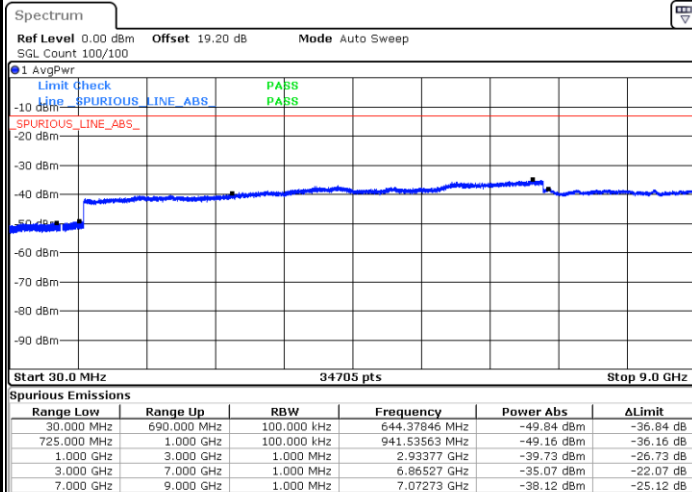
Date: 6 JUN 2024 22:36:59



Conducted Spurious Emission

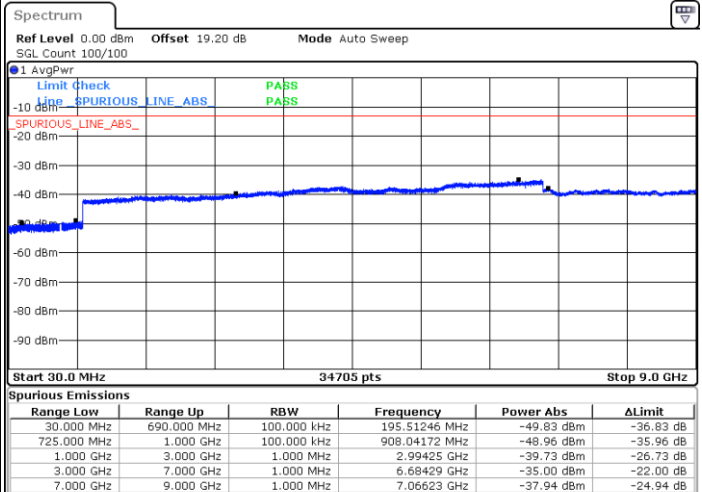
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



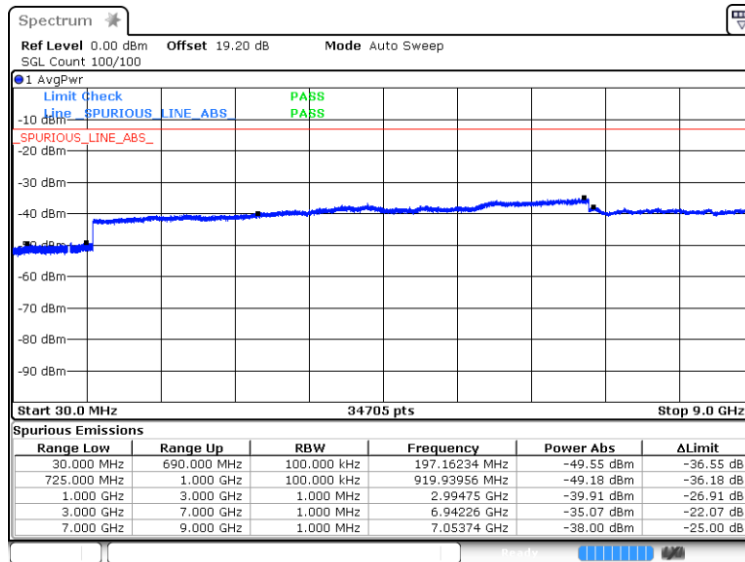
Date: 6 JUN 2024 22:00:53

Middle Channel / QPSK



Date: 6 JUN 2024 22:00:28

Highest Channel / QPSK

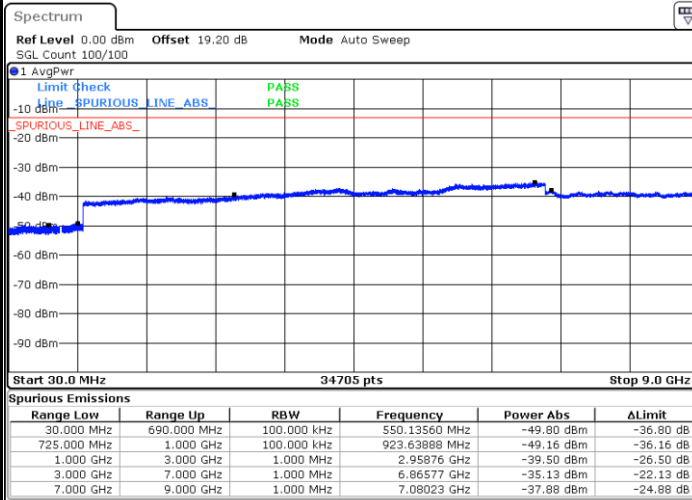


Date: 6 JUN 2024 22:00:03



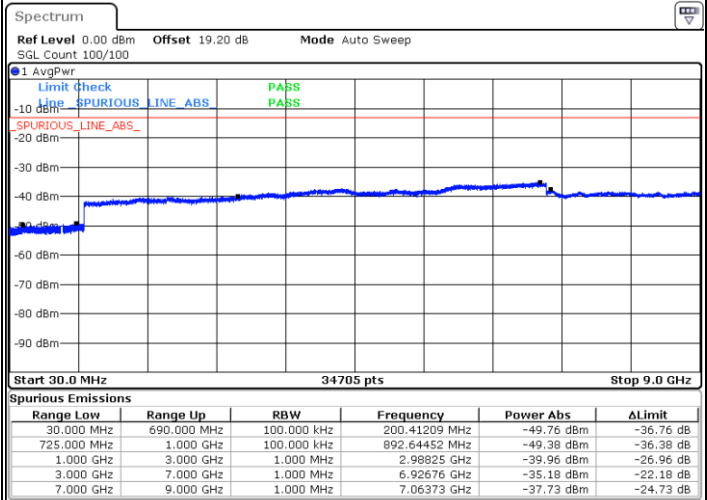
LTE Band 12 / 3MHz

Lowest Channel / QPSK



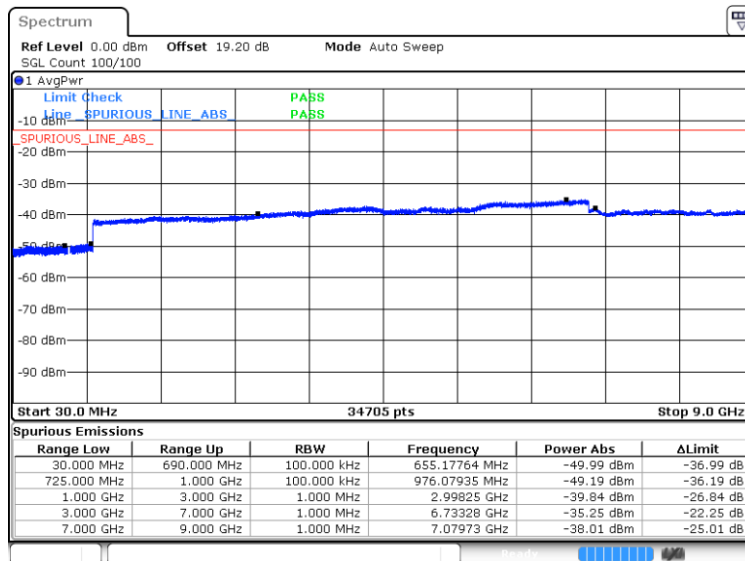
Date: 6 JUN 2024 22:13:39

Middle Channel / QPSK



Date: 6 JUN 2024 22:13:10

Highest Channel / QPSK

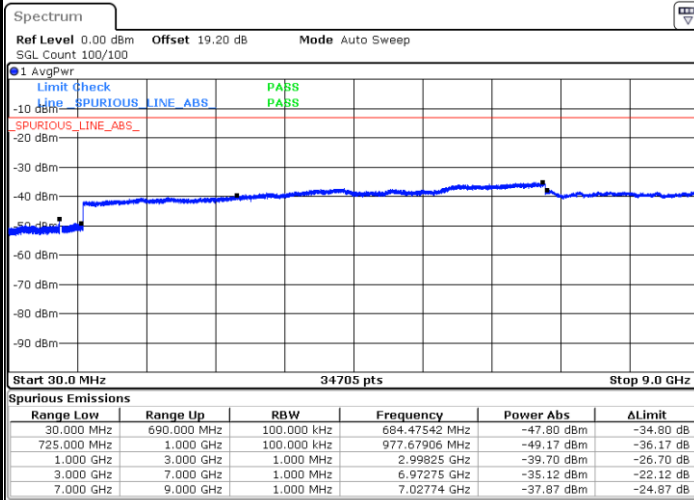


Date: 6 JUN 2024 22:12:40



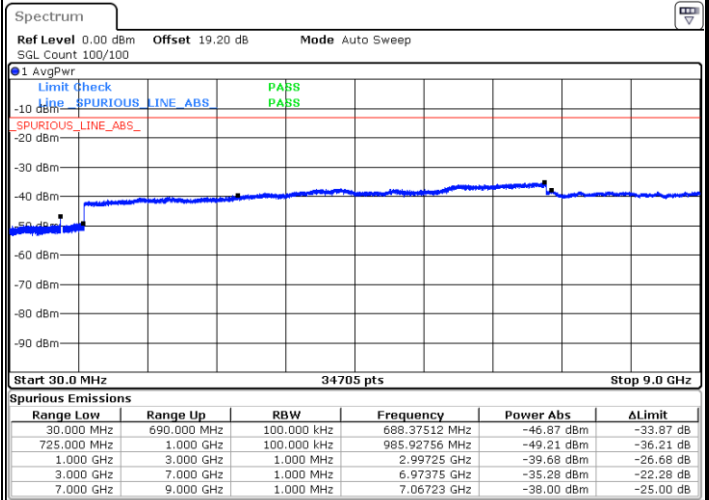
LTE Band 12 / 5MHz

Lowest Channel / QPSK



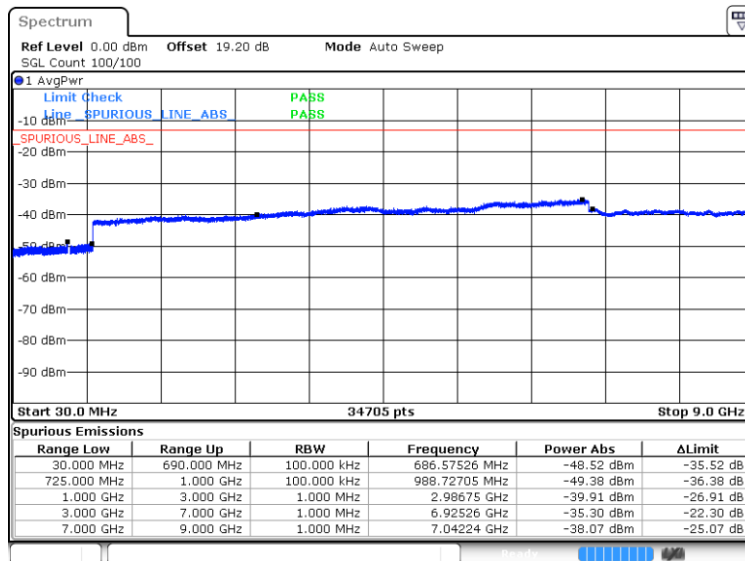
Date: 6 JUN 2024 22:15:22

Middle Channel / QPSK



Date: 6 JUN 2024 22:15:51

Highest Channel / QPSK

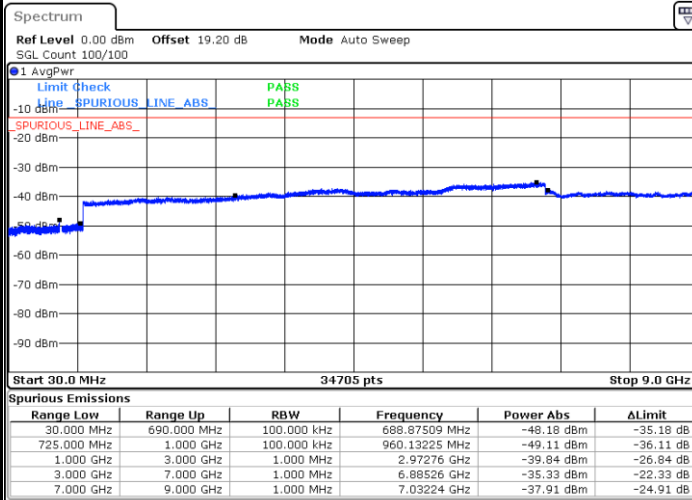


Date: 6 JUN 2024 22:16:16



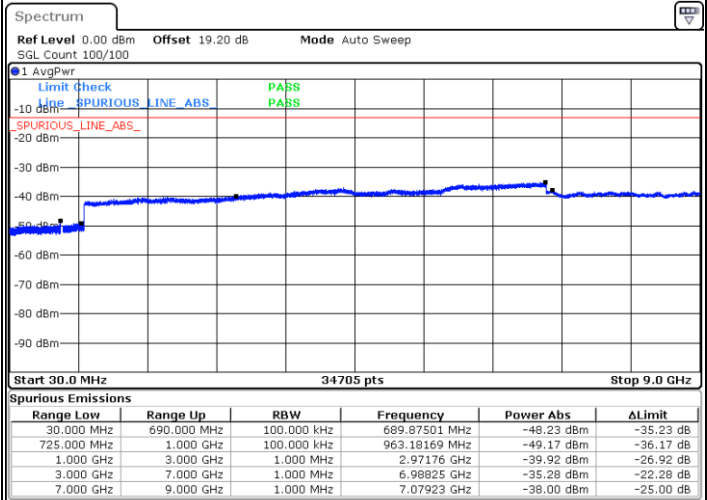
LTE Band 12 / 10MHz

Lowest Channel / QPSK



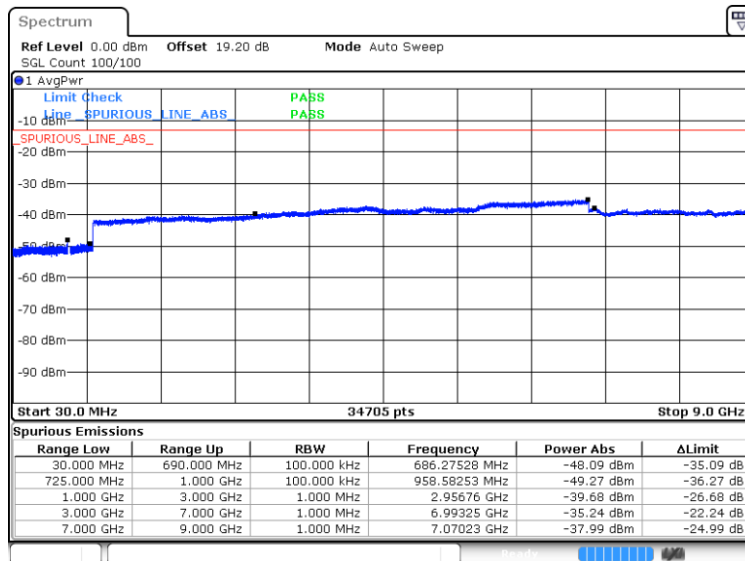
Date: 6 JUN 2024 22:30:31

Middle Channel / QPSK



Date: 6 JUN 2024 22:30:56

Highest Channel / QPSK



Date: 6 JUN 2024 22:31:22

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	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0070	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

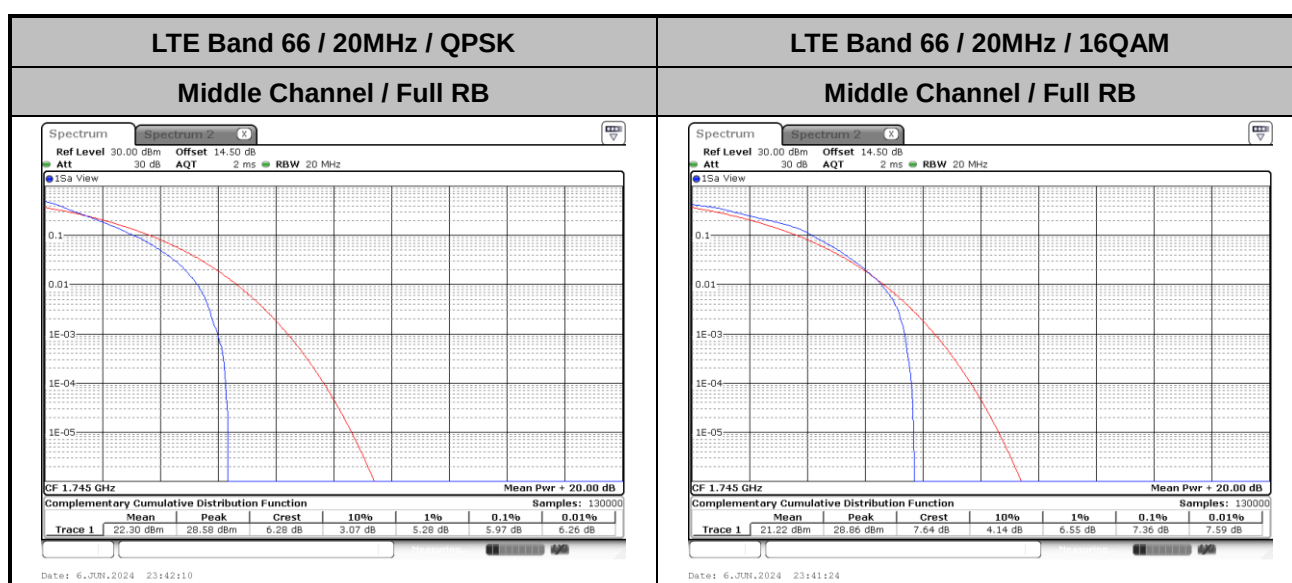
1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.4V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66 (Category M1)

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	-	Limit: 13dB
RB Size	Full RB	Full RB	-	Result
Middle CH	5.97	7.36	-	PASS





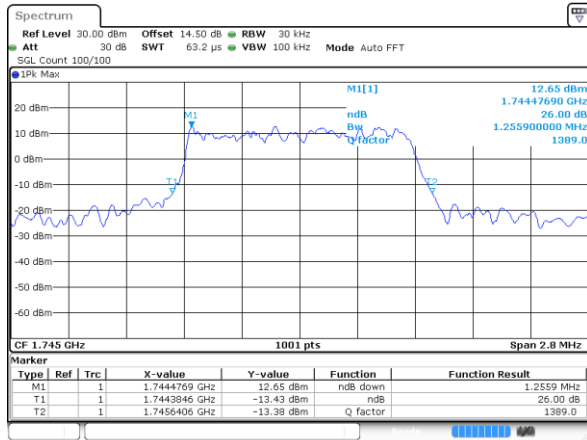
26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.26	1.07	1.39	1.14	1.38	1.11	1.80	1.58	1.80	1.62	1.84	1.60



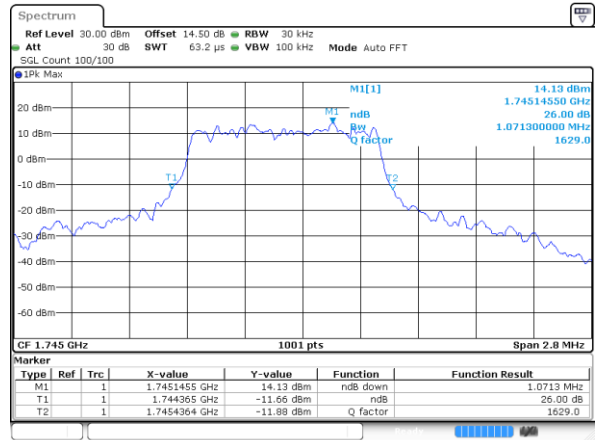
LTE Band 66

Middle Channel / 1.4MHz / QPSK



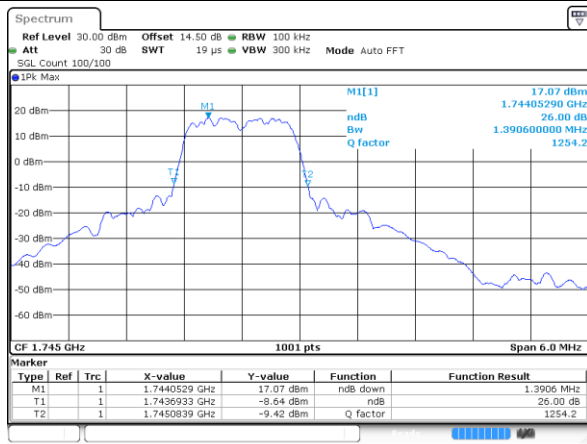
Date: 6 JUN 2024 15:55:17

Middle Channel / 1.4MHz / 16QAM



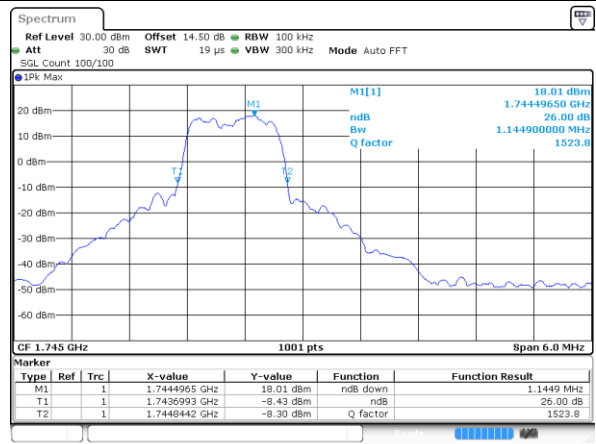
Date: 6 JUN 2024 15:56:49

Middle Channel / 3MHz / QPSK



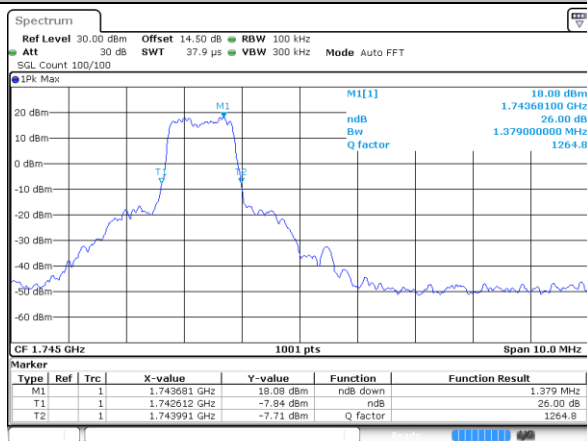
Date: 6 JUN 2024 16:09:00

Middle Channel / 3MHz / 16QAM



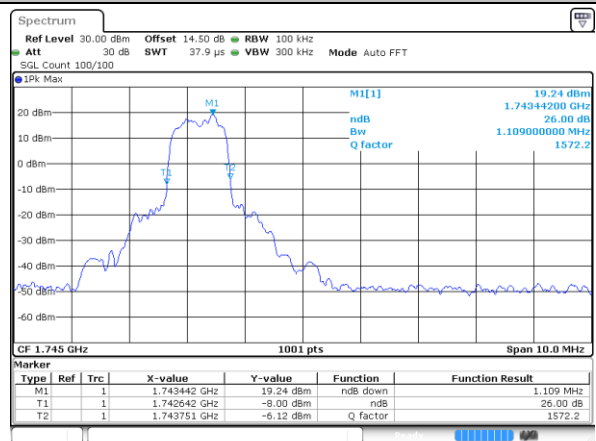
Date: 6 JUN 2024 16:11:54

Middle Channel / 5MHz / QPSK



Date: 6 JUN 2024 21:11:17

Middle Channel / 5MHz / 16QAM

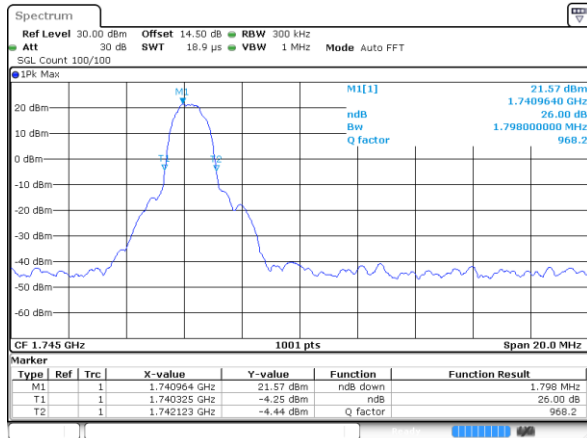


Date: 6 JUN 2024 21:12:02



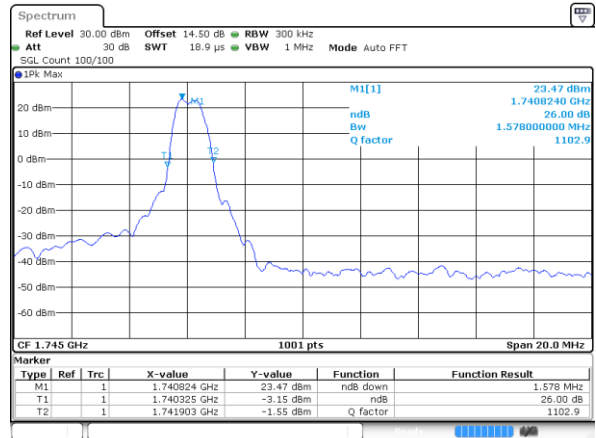
LTE Band 66

Middle Channel / 10MHz / QPSK



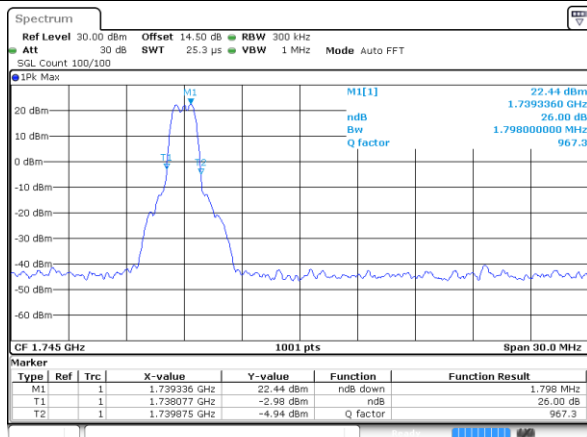
Date: 6 JUN 2024 21:13:22

Middle Channel / 10MHz / 16QAM



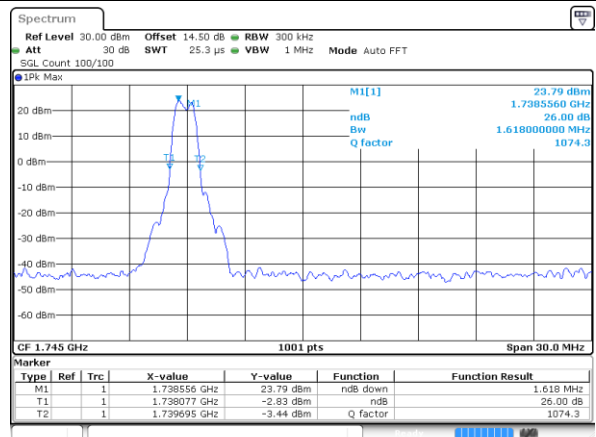
Date: 6 JUN 2024 21:13:05

Middle Channel / 15MHz / QPSK



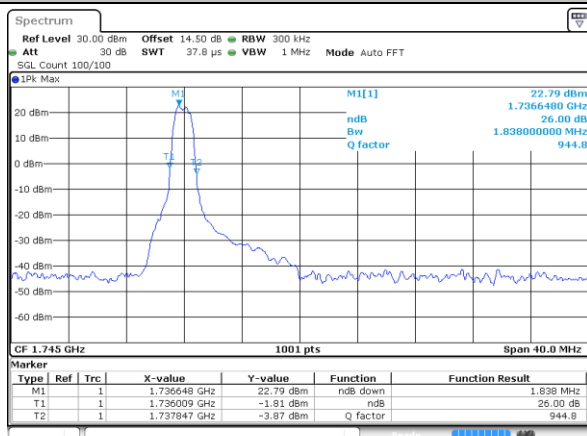
Date: 6 JUN 2024 21:34:04

Middle Channel / 15MHz / 16QAM



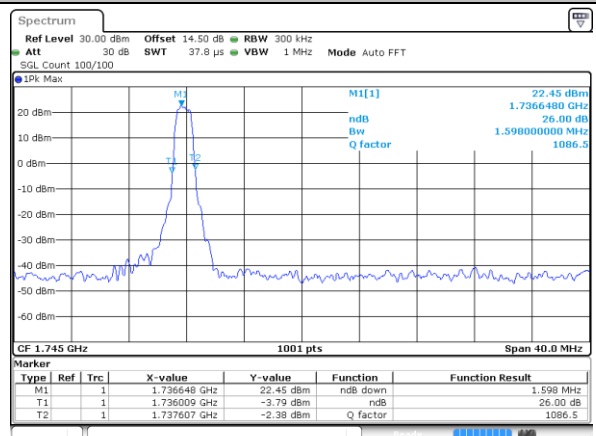
Date: 6 JUN 2024 21:34:22

Middle Channel / 20MHz / QPSK



Date: 6 JUN 2024 21:33:04

Middle Channel / 20MHz / 16QAM



Date: 6 JUN 2024 21:32:15



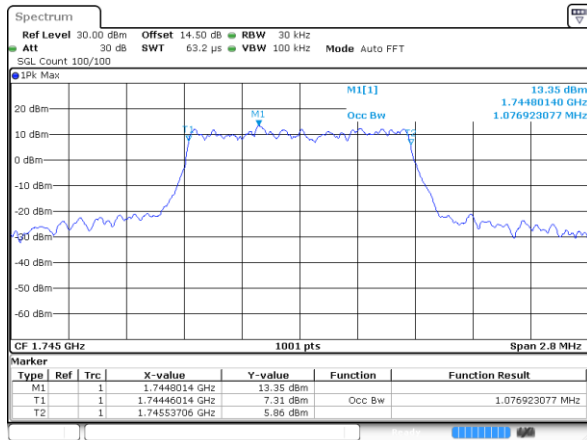
Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.08	0.917	1.16	0.977	1.16	1.04	1.40	1.30	1.41	1.23	1.48	1.24

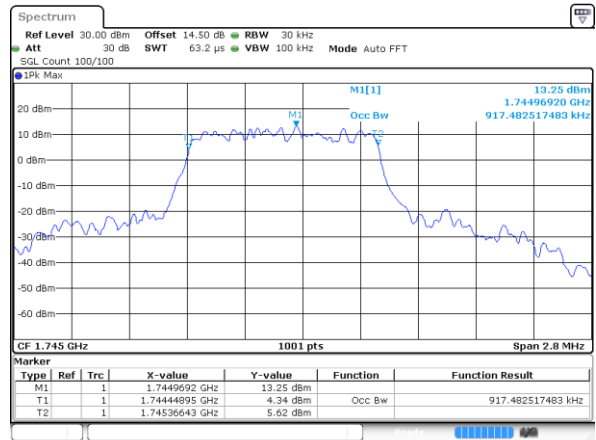


LTE Band 66

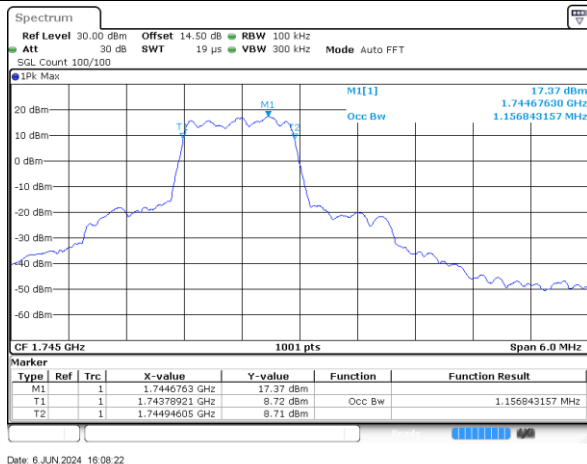
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



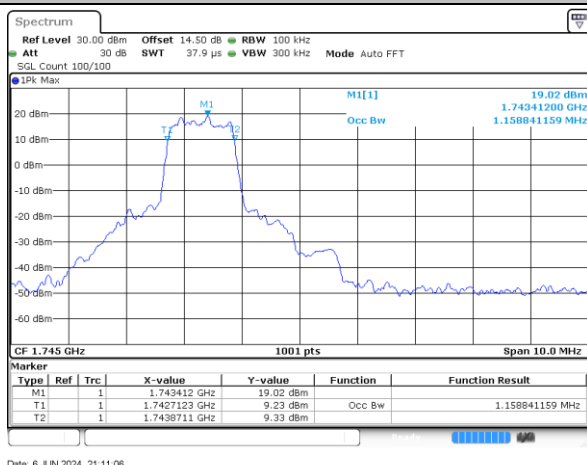
Middle Channel / 3MHz / QPSK



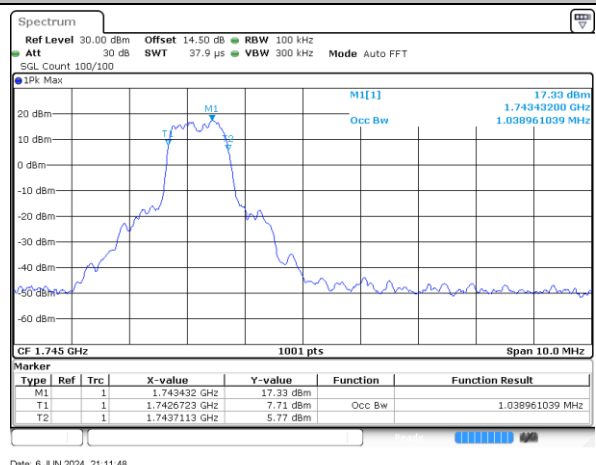
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



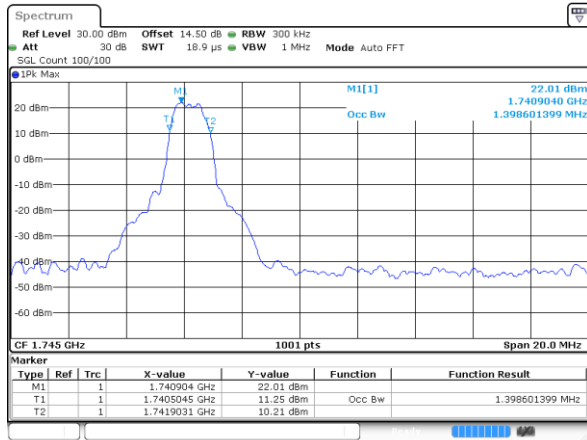
Middle Channel / 5MHz / 16QAM



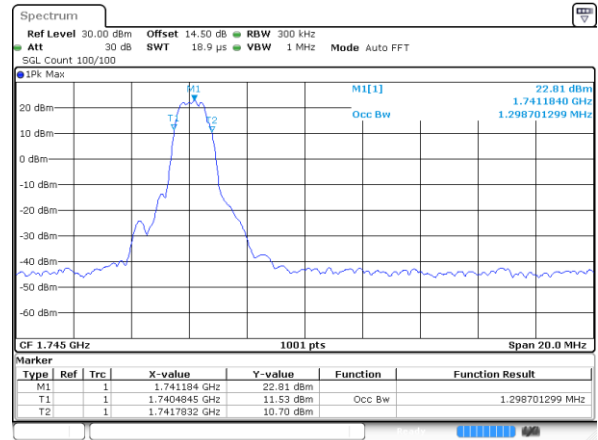


LTE Band 66

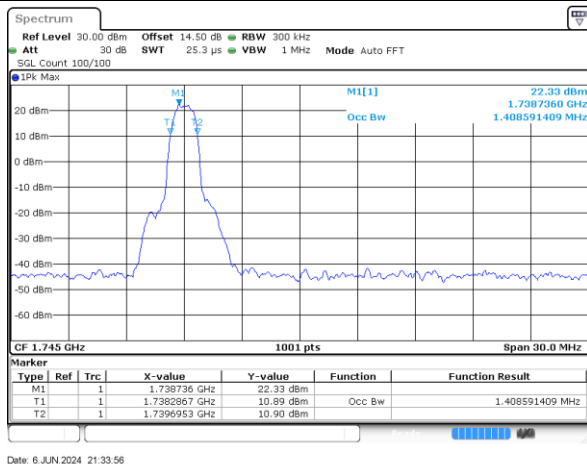
Middle Channel / 10MHz / QPSK



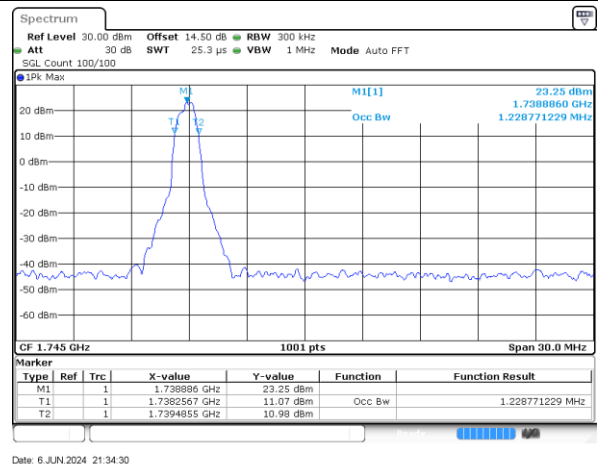
Middle Channel / 10MHz / 16QAM



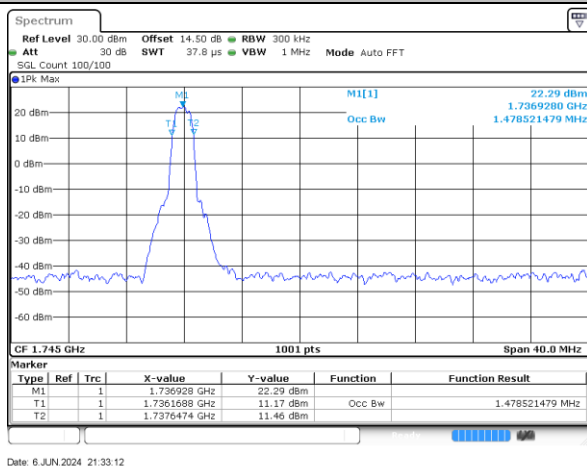
Middle Channel / 15MHz / QPSK



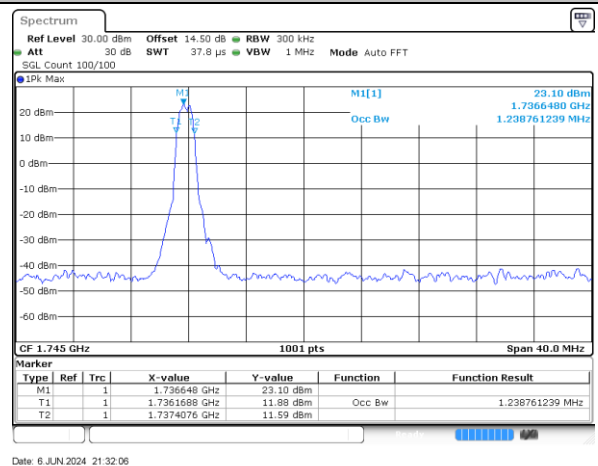
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

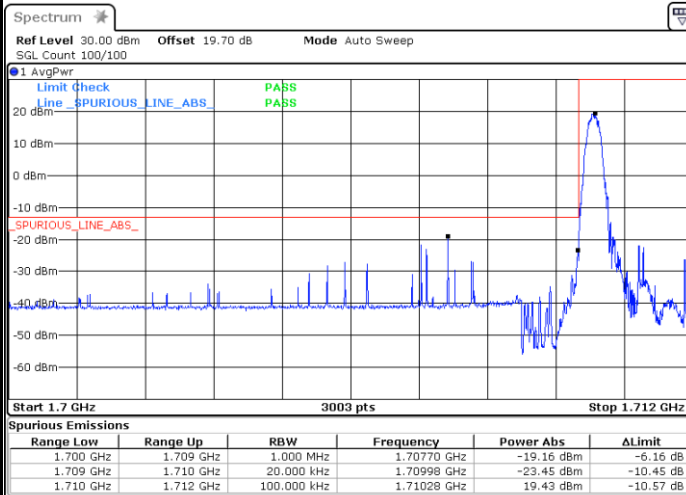




Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



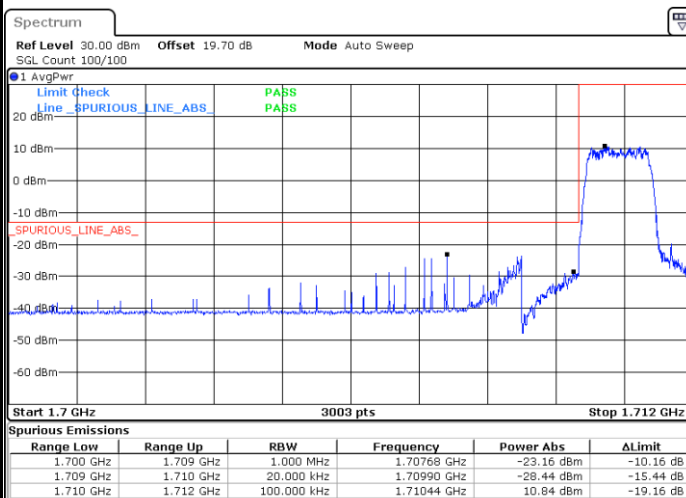
Date: 6 JUN 2024 20:42:29

Highest Band Edge / 1RB



Date: 6 JUN 2024 20:49:11

Lowest Band Edge / Full RB



Date: 6 JUN 2024 20:45:08

Highest Band Edge / Full RB

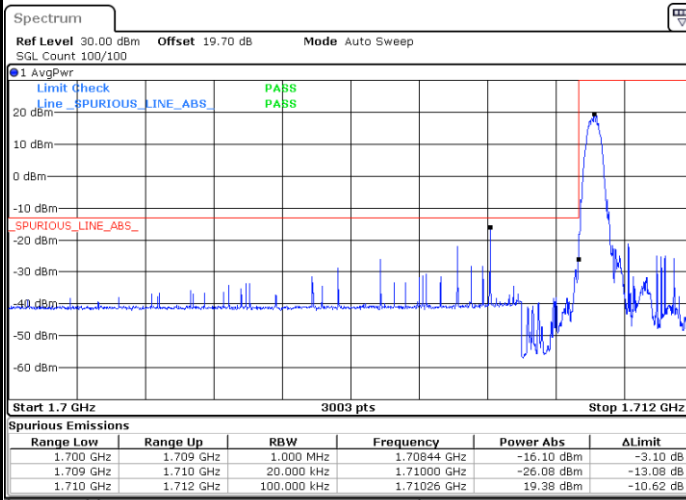


Date: 6 JUN 2024 20:48:33

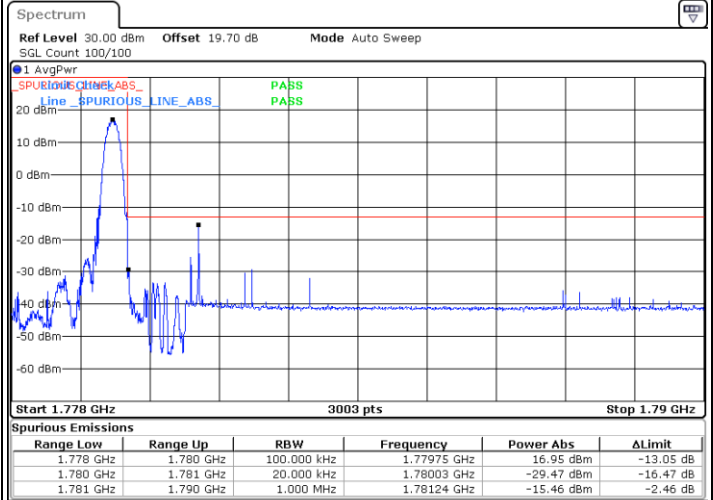


LTE Band 66 / 1.4MHz / 16QAM

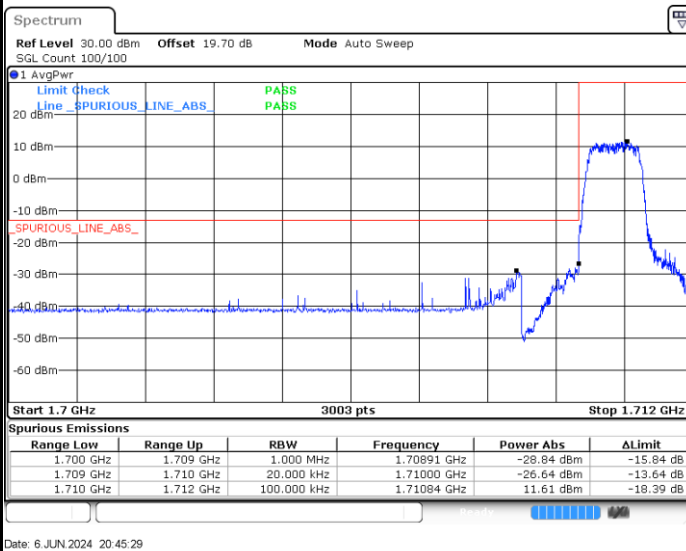
Lowest Band Edge / 1 RB



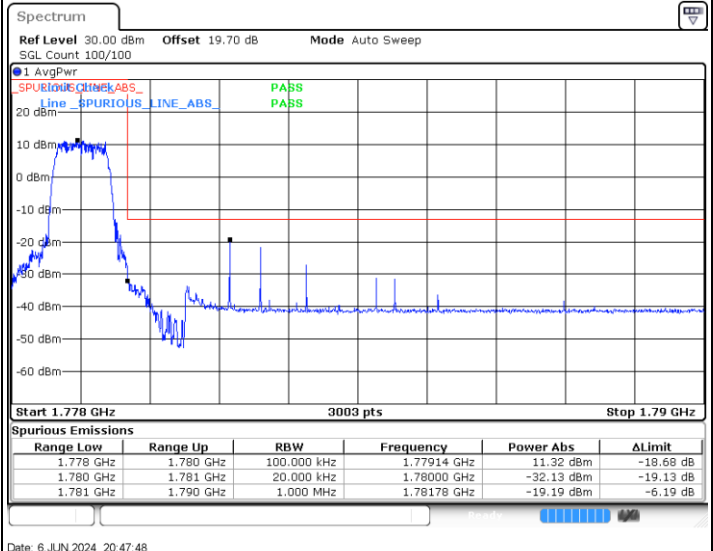
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



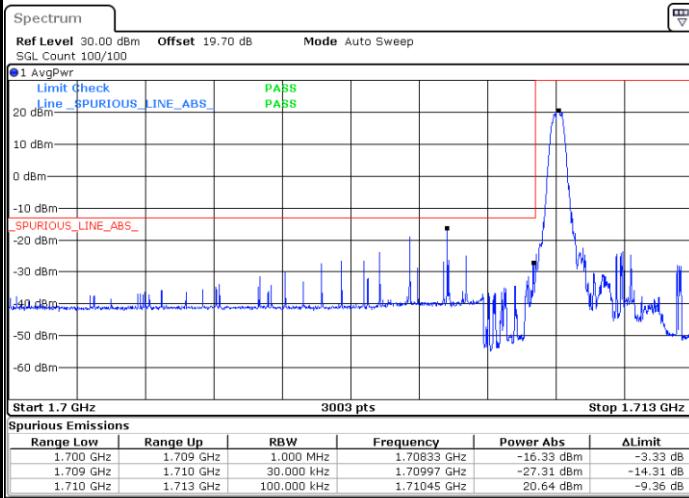
Highest Band Edge / Full RB





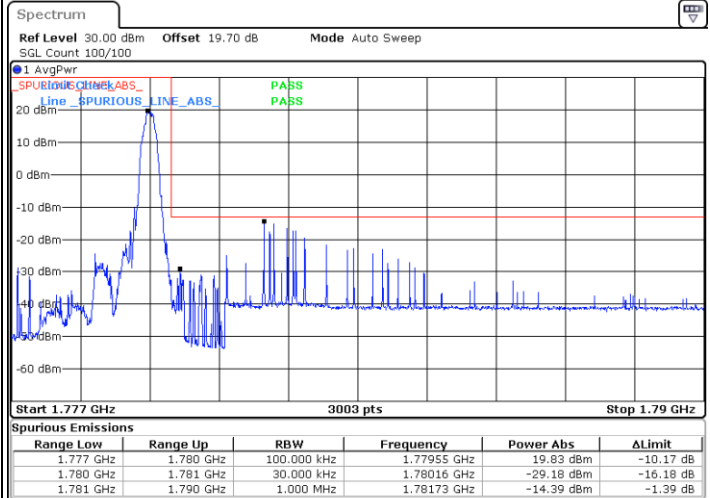
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



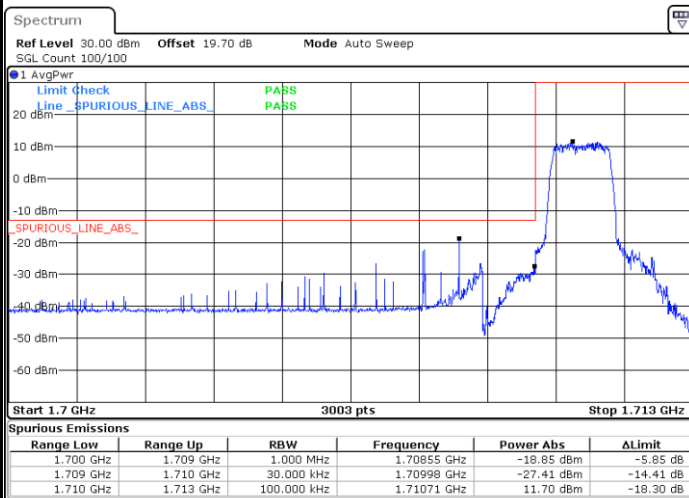
Date: 6 JUN 2024 20:54:04

Highest Band Edge / 1RB



Date: 6 JUN 2024 20:59:13

Lowest Band Edge / Full RB



Date: 6 JUN 2024 20:54:35

Highest Band Edge / Full RB

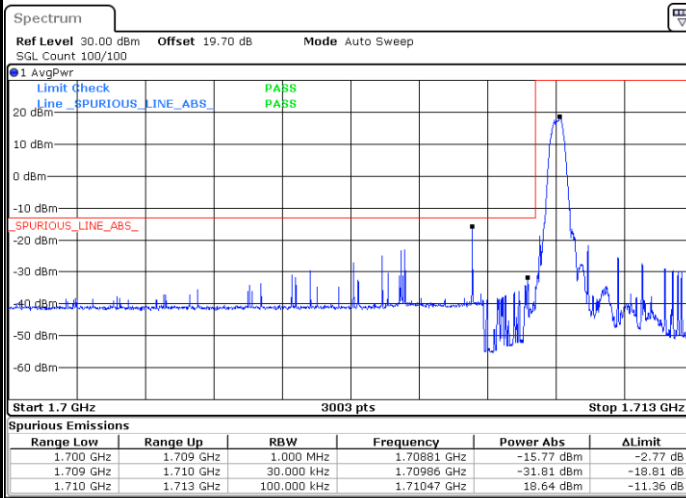


Date: 6 JUN 2024 20:58:44



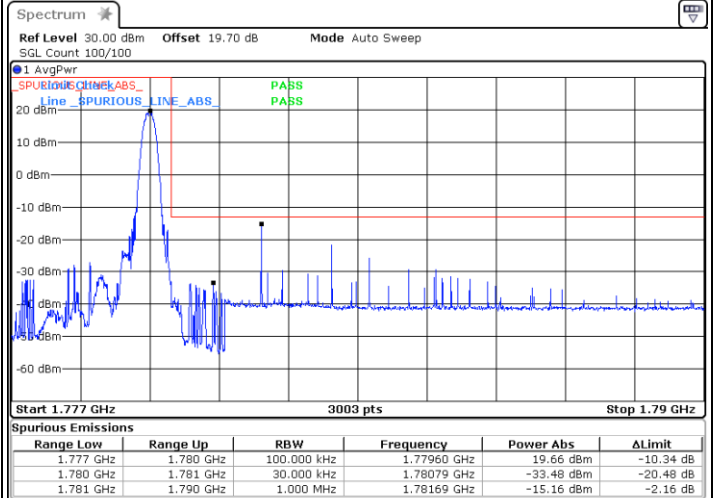
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



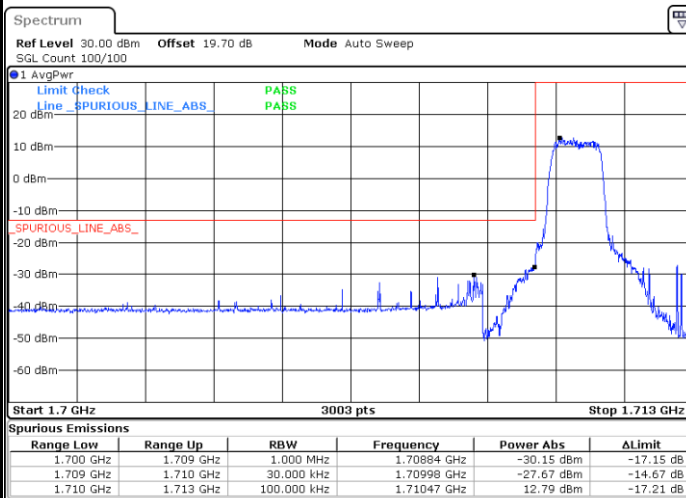
Date: 6 JUN 2024 20:56:18

Highest Band Edge / 1 RB



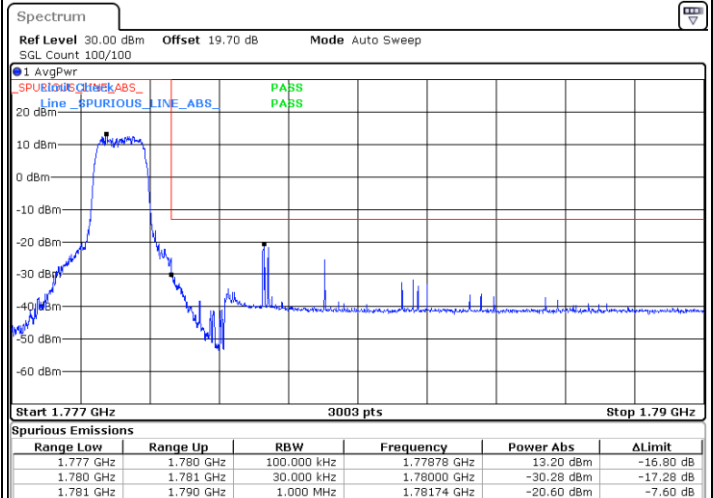
Date: 6 JUN 2024 20:57:47

Lowest Band Edge / Full RB



Date: 6 JUN 2024 20:56:39

Highest Band Edge / Full RB

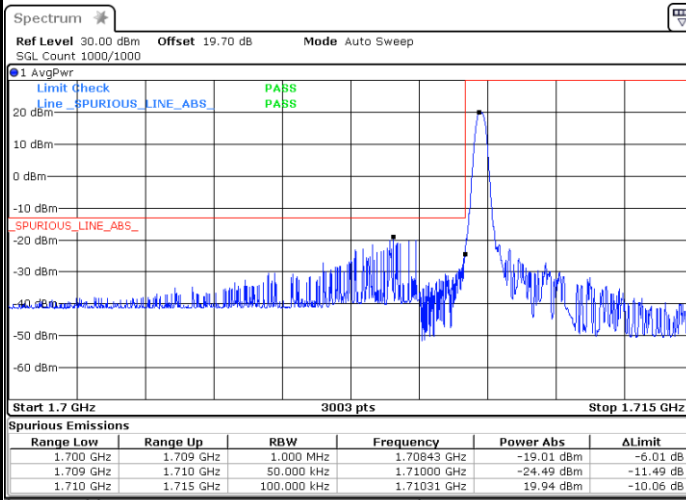


Date: 6 JUN 2024 20:58:21



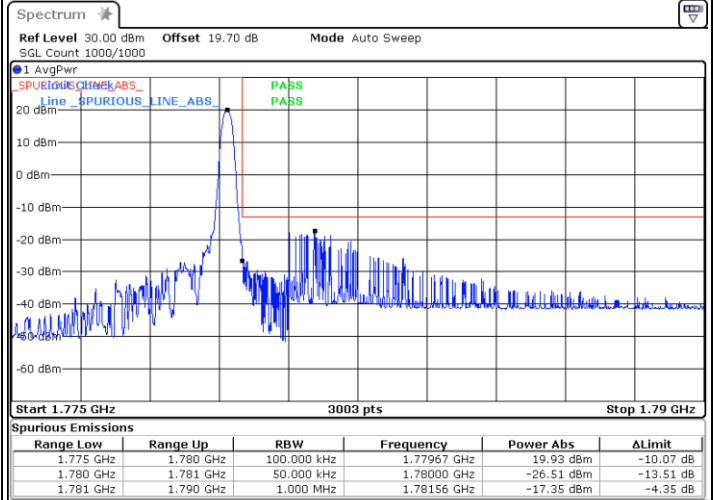
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1RB



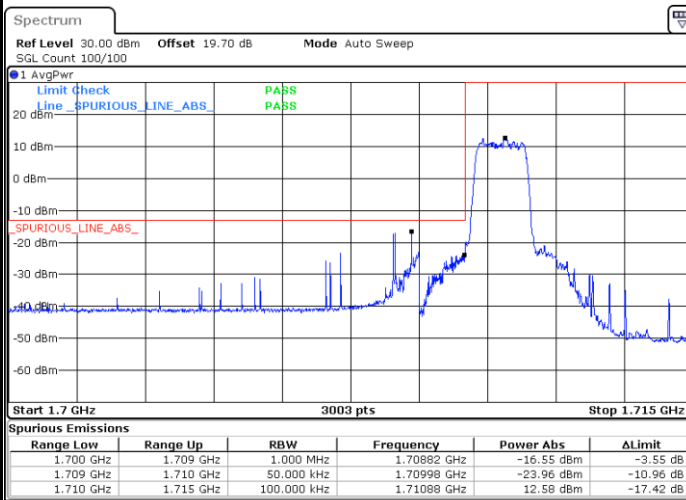
Date: 6 JUN 2024 21:05:51

Highest Band Edge / 1RB



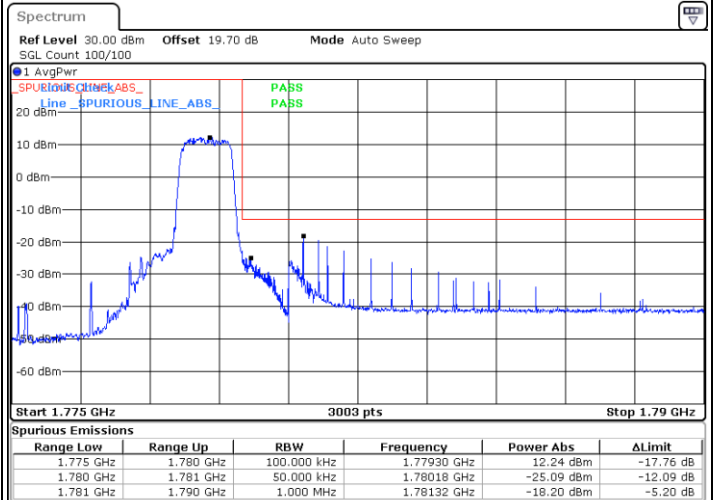
Date: 6 JUN 2024 21:10:00

Lowest Band Edge / Full RB



Date: 6 JUN 2024 21:06:33

Highest Band Edge / Full RB

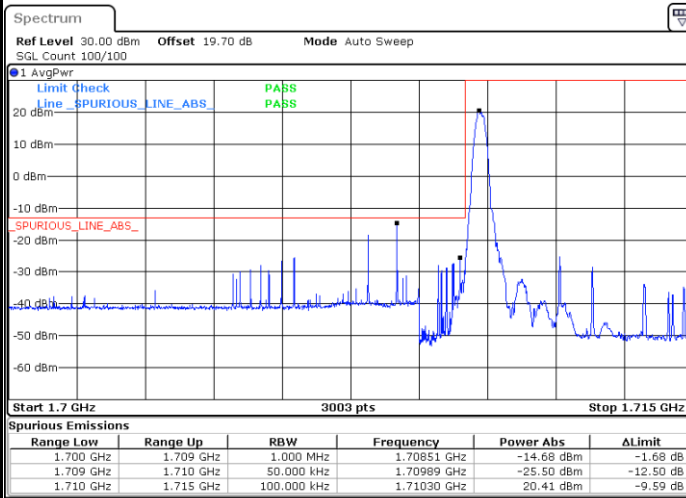


Date: 6 JUN 2024 21:09:02



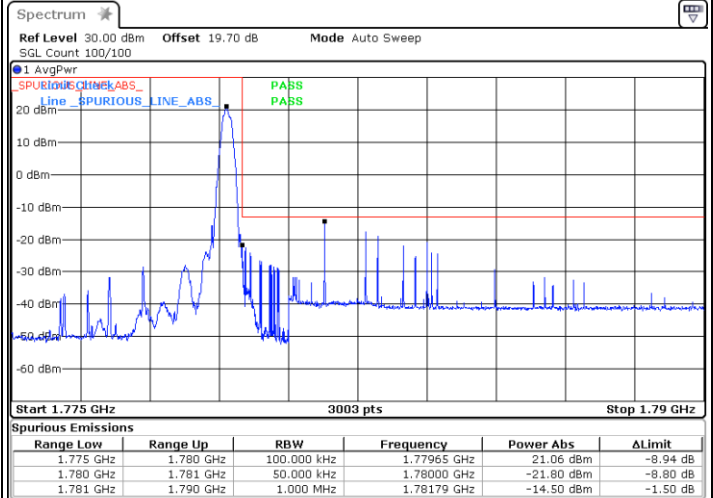
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



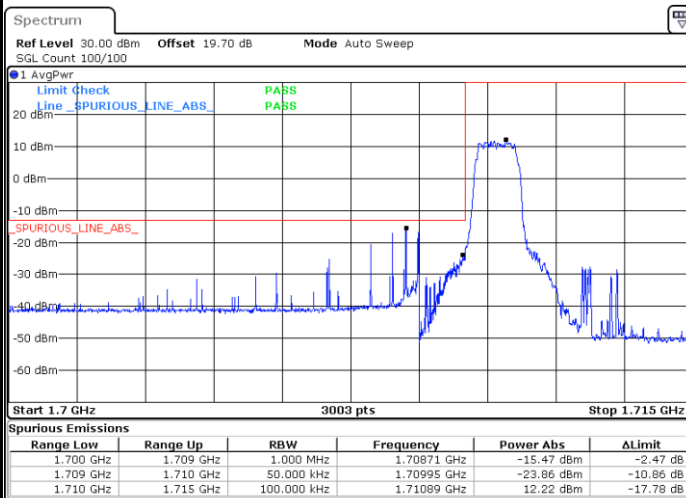
Date: 6 JUN 2024 21:07:09

Highest Band Edge / 1 RB



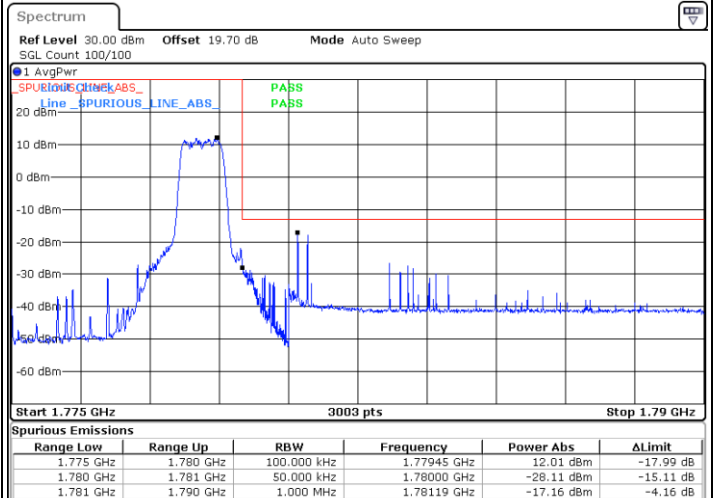
Date: 6 JUN 2024 21:08:04

Lowest Band Edge / Full RB



Date: 6 JUN 2024 21:06:54

Highest Band Edge / Full RB

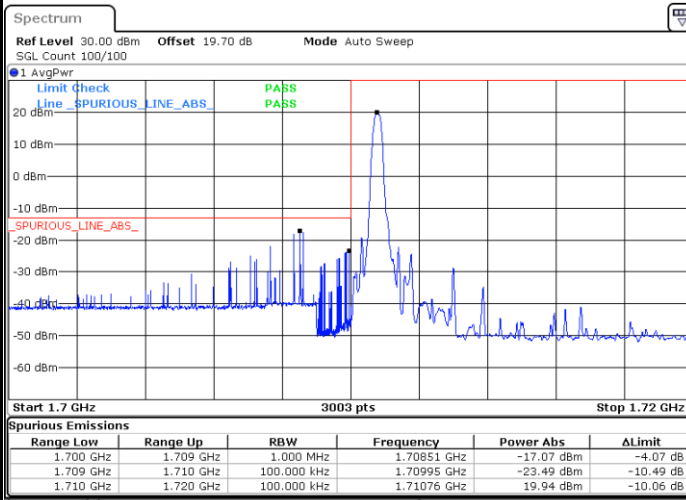


Date: 6 JUN 2024 21:08:41



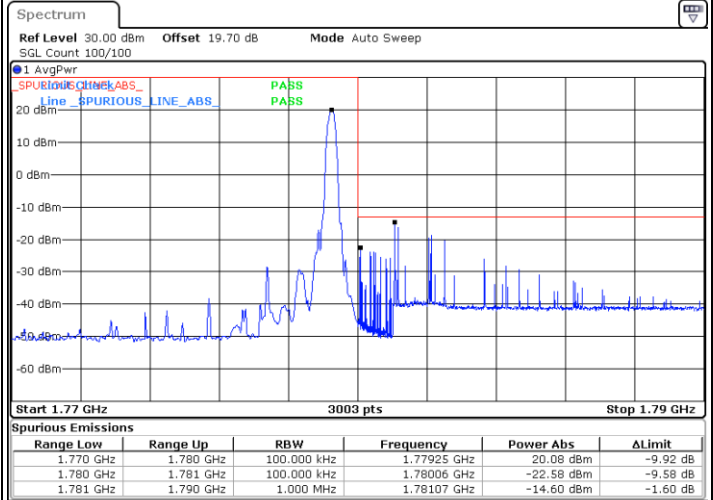
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1RB



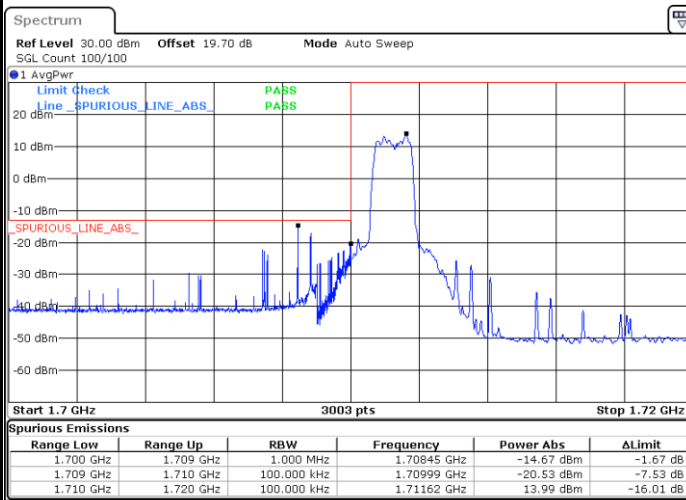
Date: 6 JUN 2024 21:18:08

Highest Band Edge / 1RB



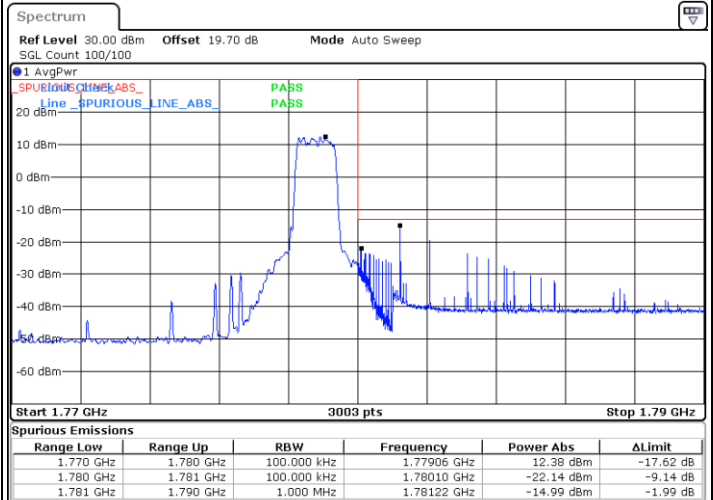
Date: 6 JUN 2024 21:21:31

Lowest Band Edge / Full RB



Date: 6 JUN 2024 21:18:39

Highest Band Edge / Full RB



Date: 6 JUN 2024 21:21:02