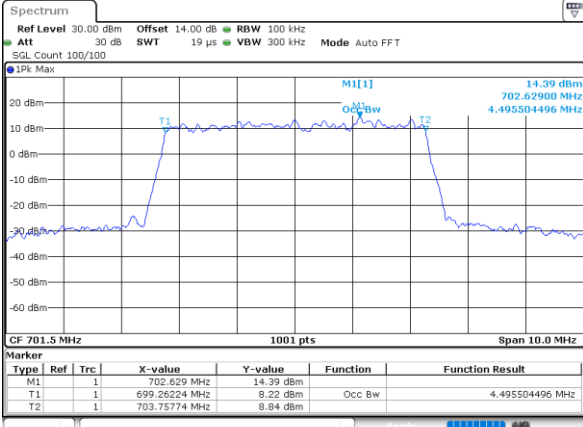




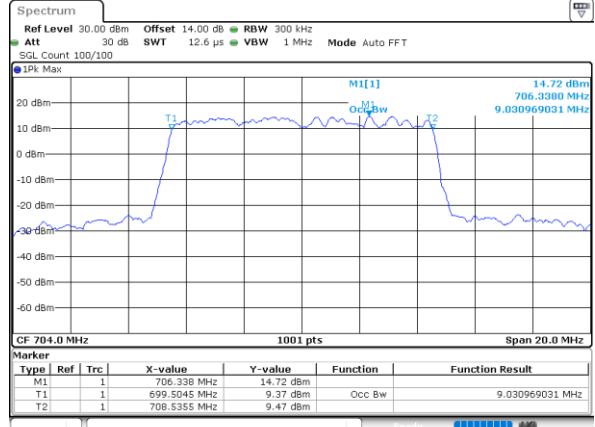
LTE Band 12

Lowest Channel / 5MHz / 64QAM



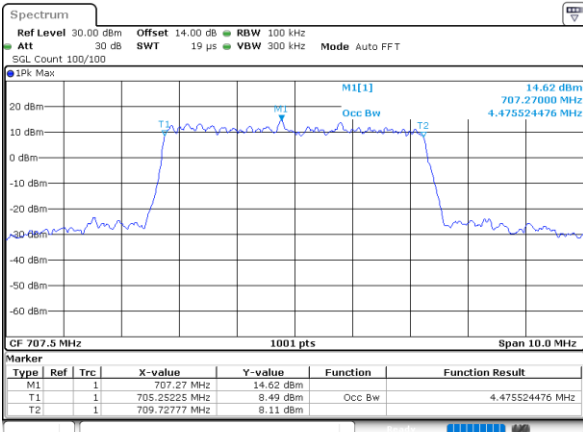
Date: 5 JUL 2022 02:54:17

Lowest Channel / 10MHz / 64QAM



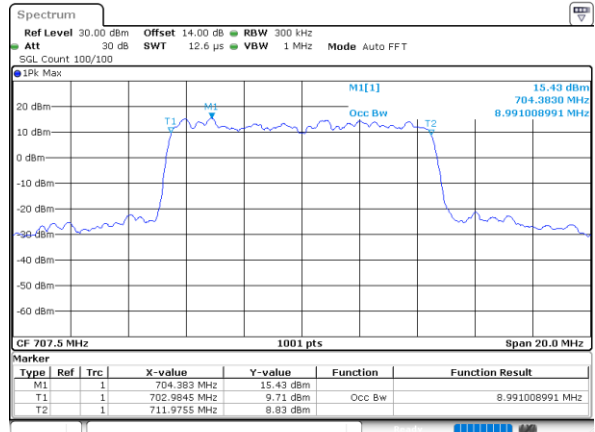
Date: 5 JUL 2022 04:09:37

Middle Channel / 5MHz / 64QAM



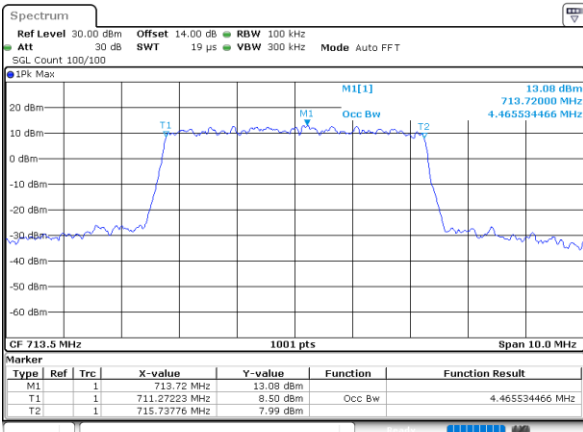
Date: 5 JUL 2022 03:00:14

Middle Channel / 10MHz / 64QAM



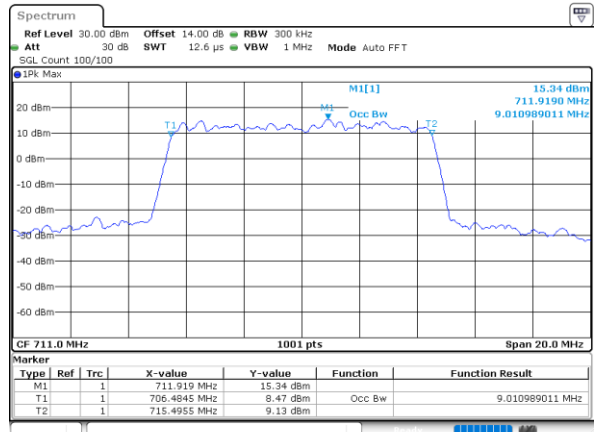
Date: 5 JUL 2022 04:15:34

Highest Channel / 5MHz / 64QAM



Date: 5 JUL 2022 03:02:32

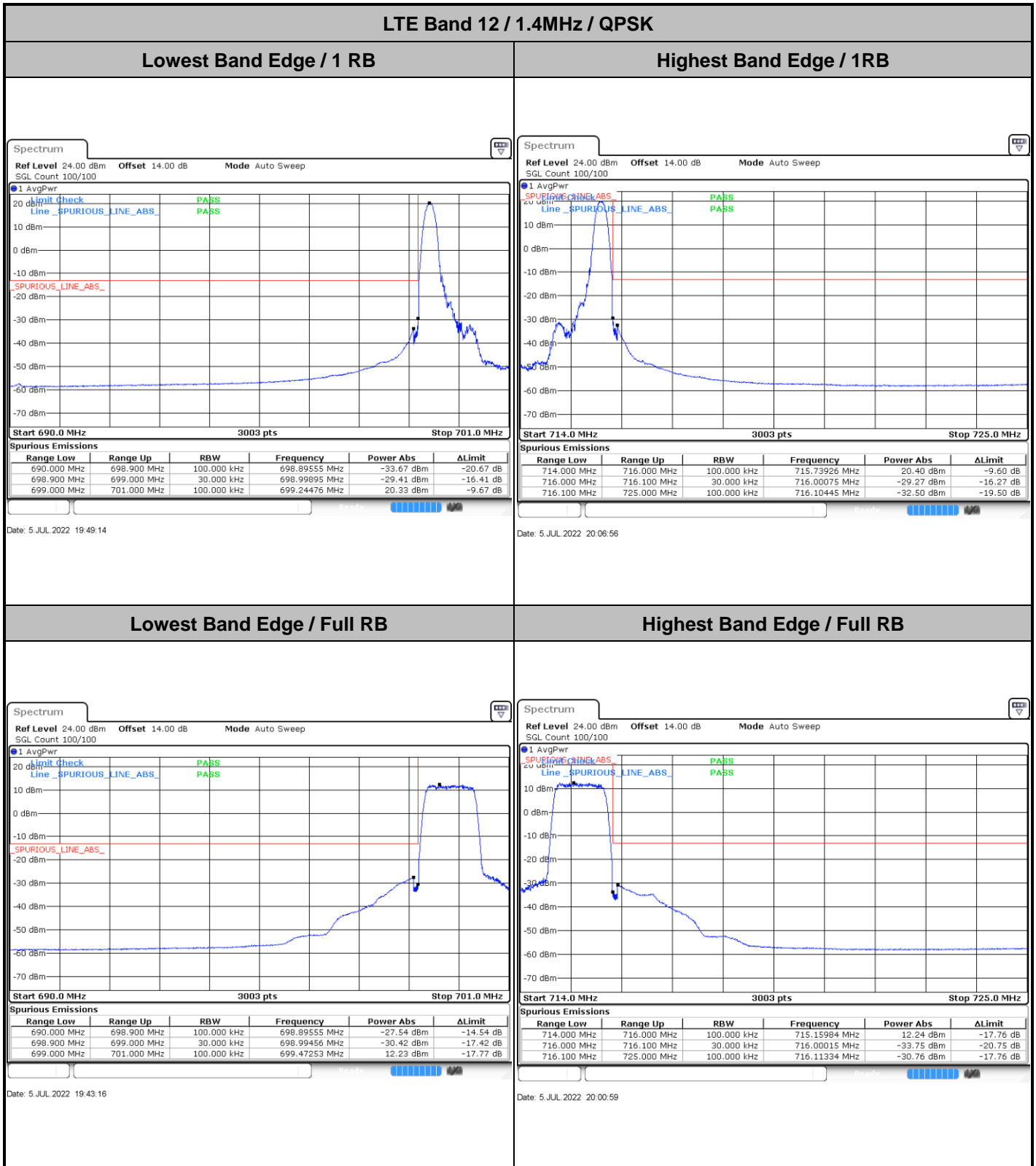
Highest Channel / 10MHz / 64QAM



Date: 5 JUL 2022 04:17:52



Conducted Band Edge

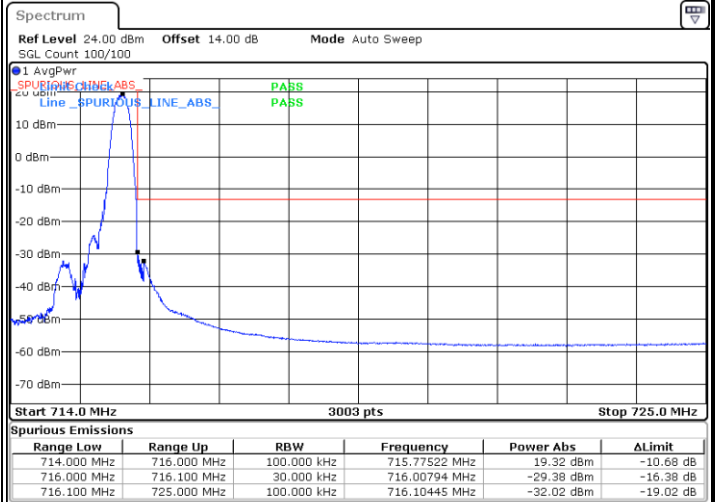
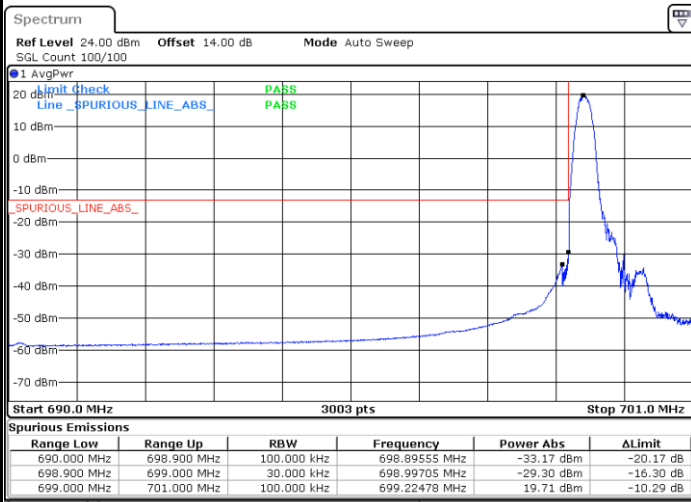




LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

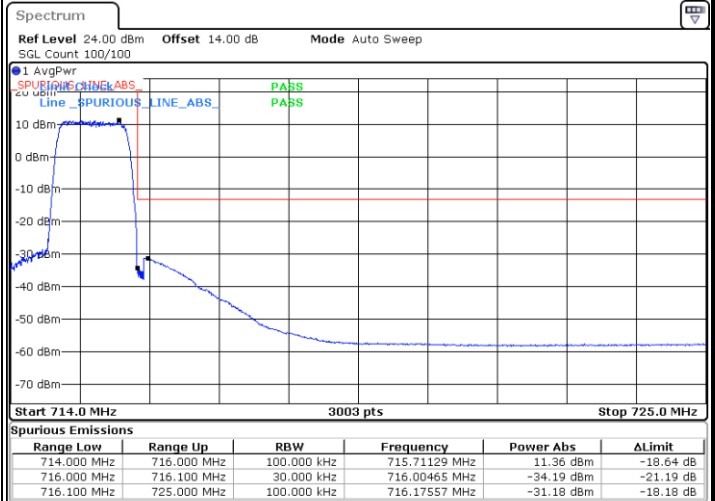
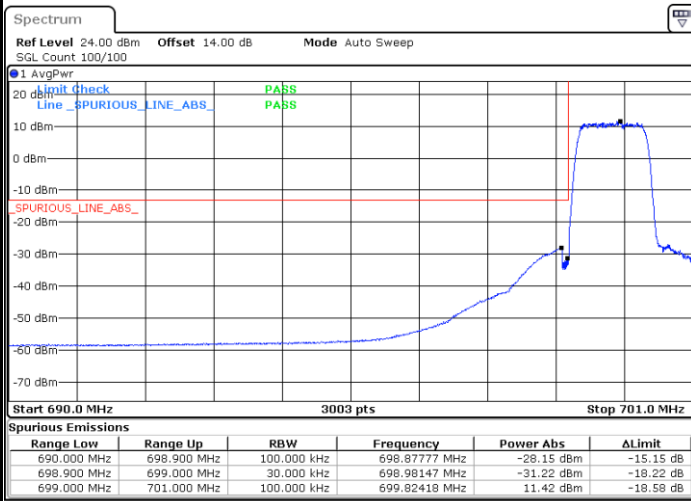


Date: 5 JUL 2022 19:47:14

Date: 5 JUL 2022 20:04:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JUL 2022 19:45:15

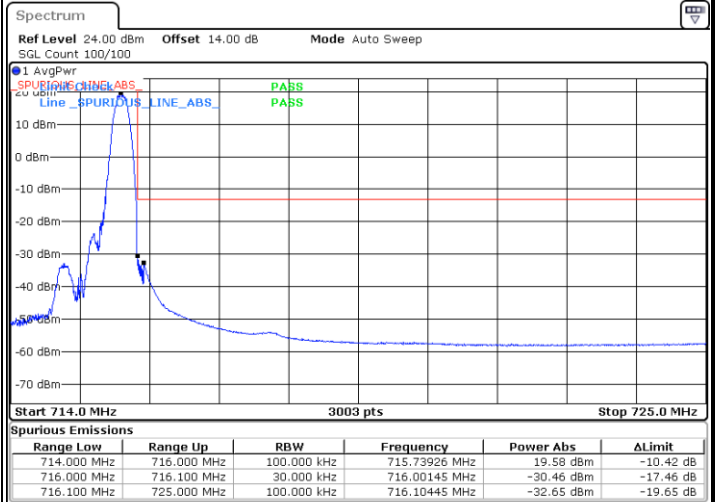
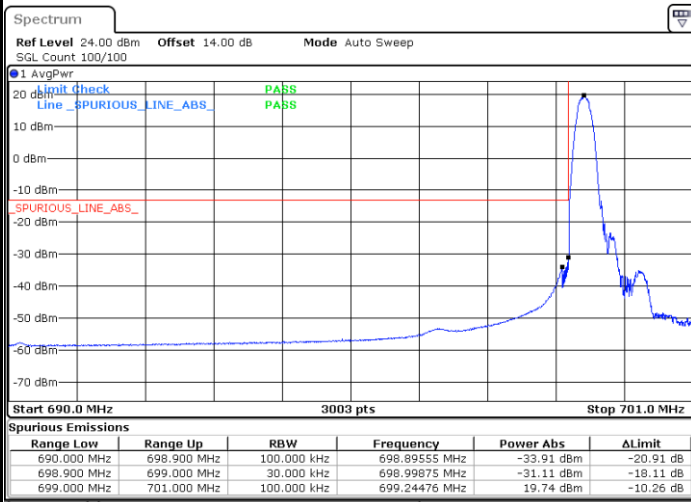
Date: 5 JUL 2022 20:02:58



LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

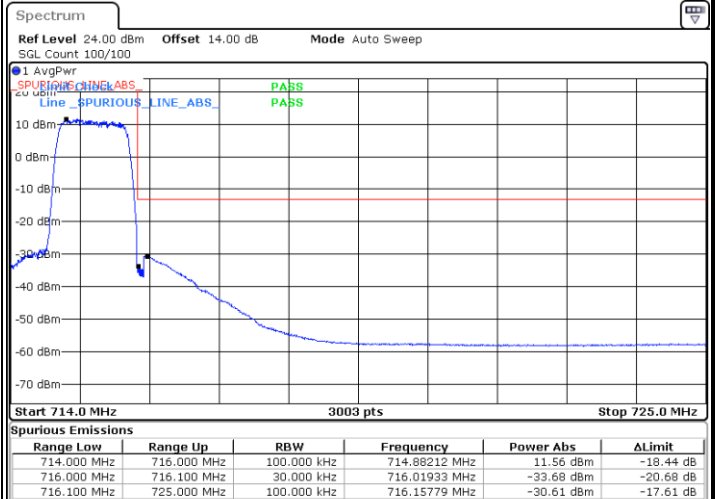
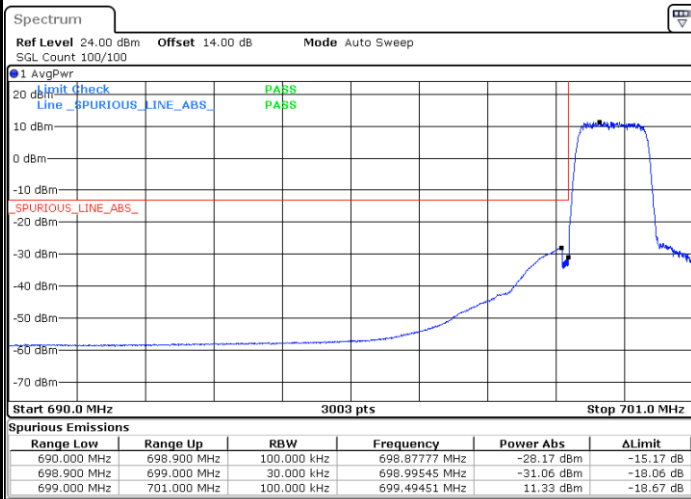


Date: 5 JUL 2022 20:14:45

Date: 5 JUL 2022 20:23:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



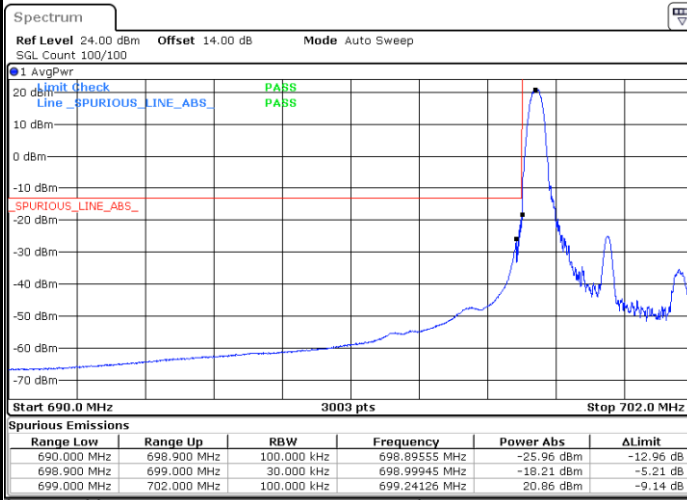
Date: 5 JUL 2022 20:12:45

Date: 5 JUL 2022 20:21:02



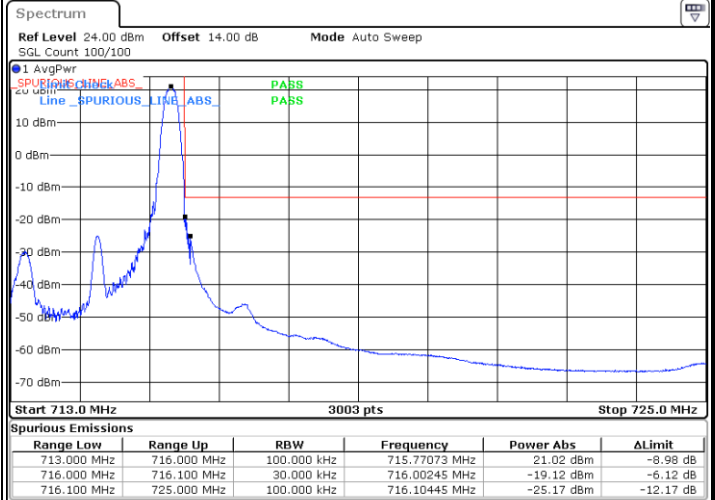
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



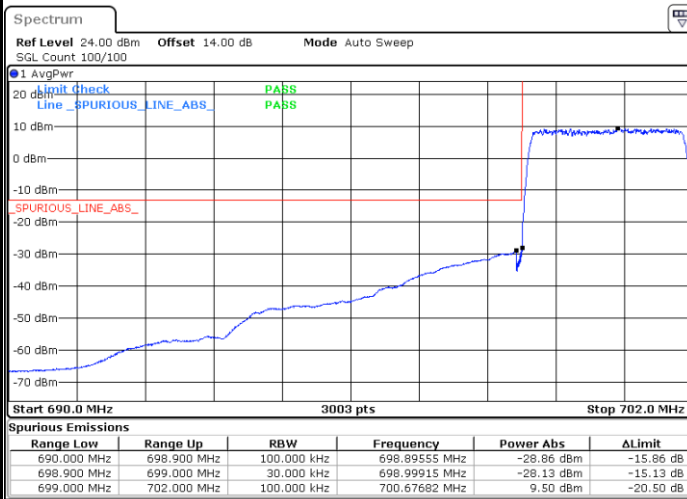
Date: 5.JUL.2022 02:18:16

Highest Band Edge / 1 RB



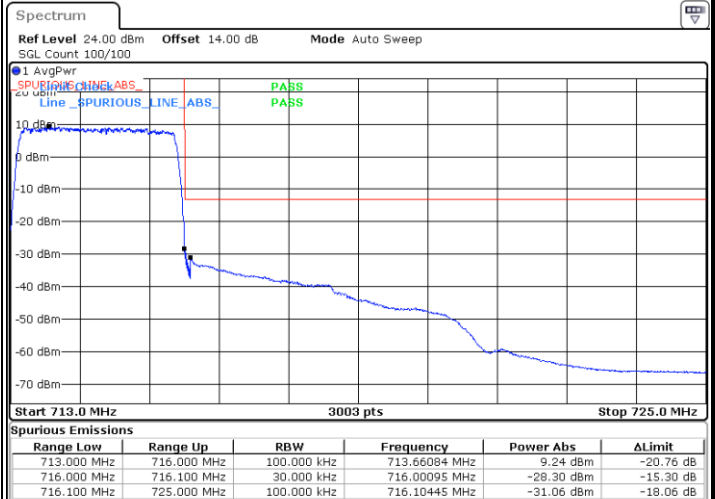
Date: 5.JUL.2022 02:35:55

Lowest Band Edge / Full RB



Date: 5.JUL.2022 02:12:19

Highest Band Edge / Full RB

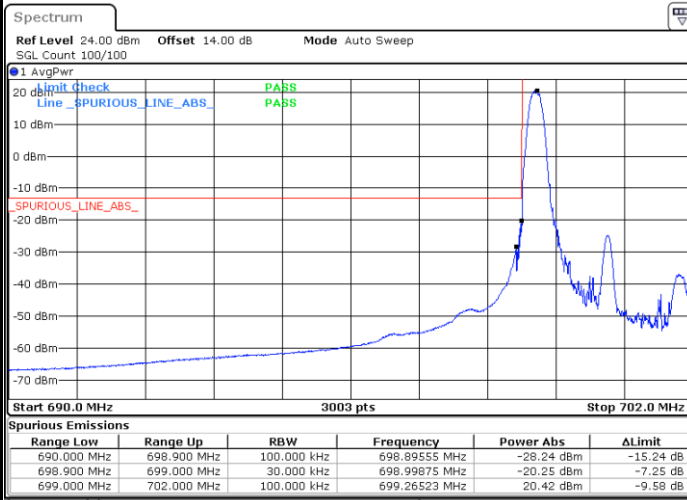


Date: 5.JUL.2022 02:29:59



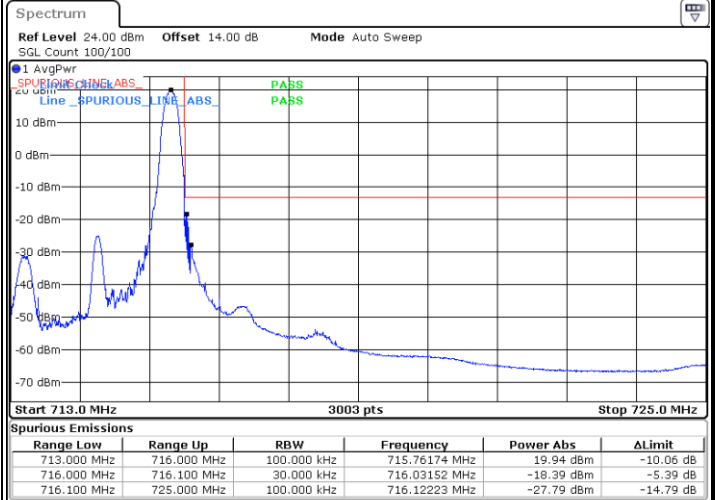
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



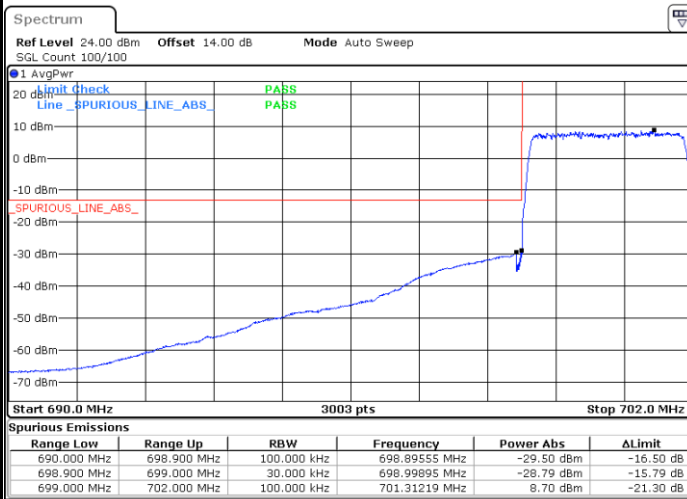
Date: 5.JUL.2022 02:16:17

Highest Band Edge / 1 RB



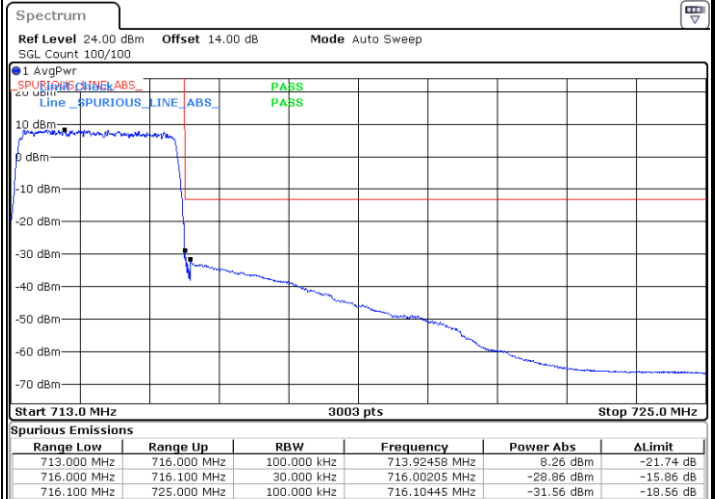
Date: 5.JUL.2022 02:33:56

Lowest Band Edge / Full RB



Date: 5.JUL.2022 02:14:18

Highest Band Edge / Full RB

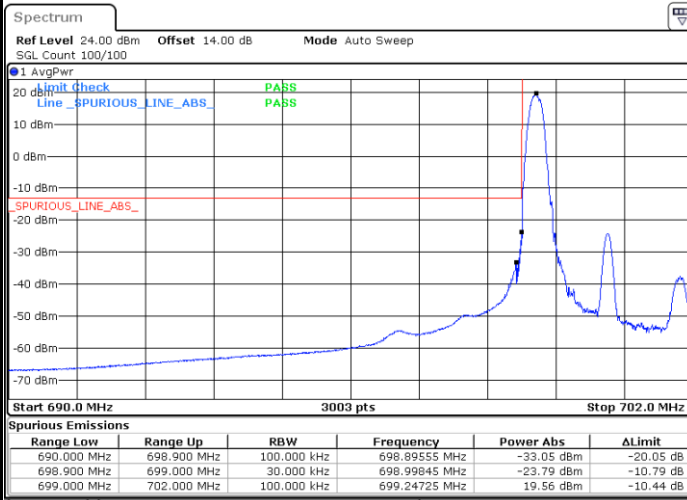


Date: 5.JUL.2022 02:31:57



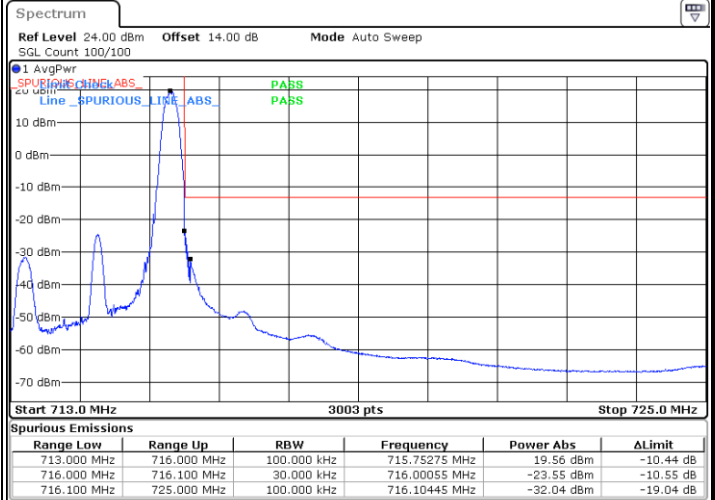
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



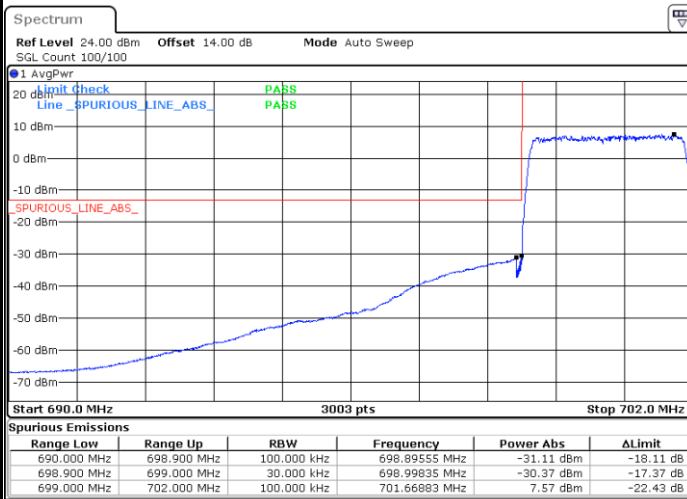
Date: 5.JUL.2022 02:43:40

Highest Band Edge / 1 RB



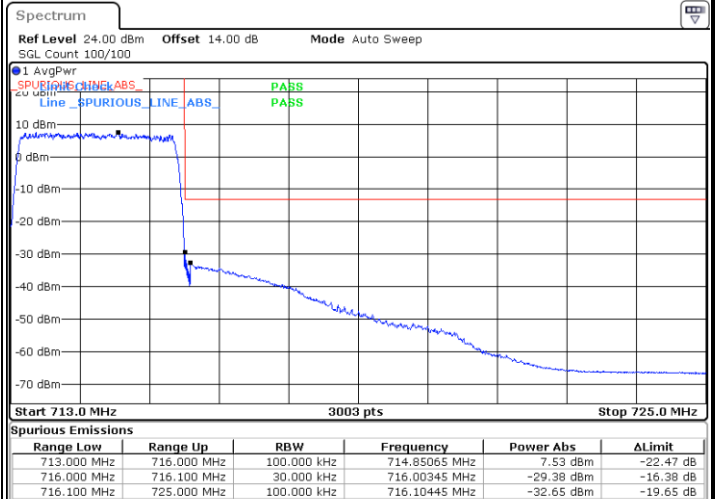
Date: 5.JUL.2022 02:51:57

Lowest Band Edge / Full RB



Date: 5.JUL.2022 02:41:42

Highest Band Edge / Full RB

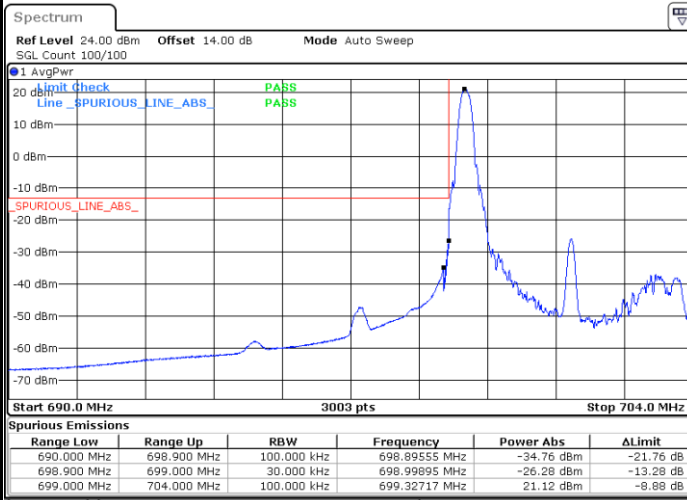


Date: 5.JUL.2022 02:49:57



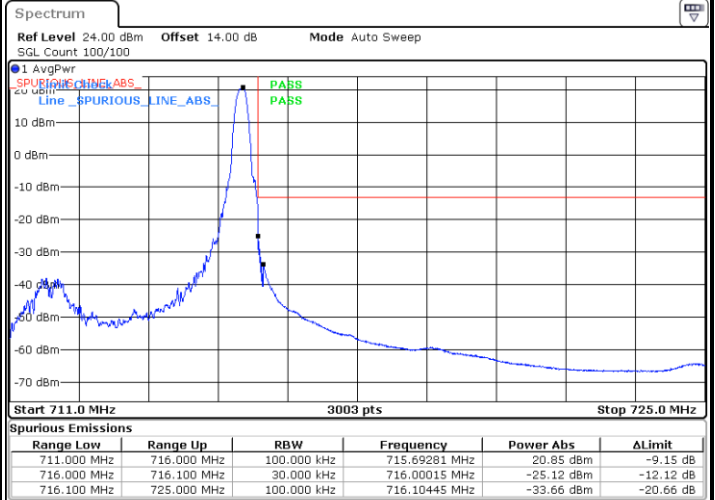
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



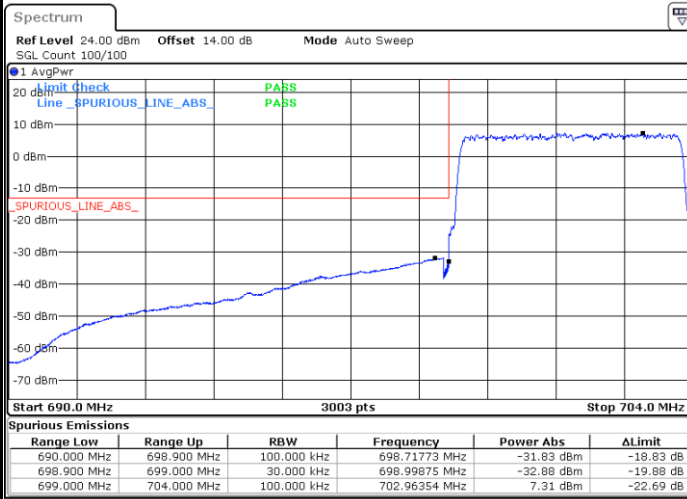
Date: 5.JUL.2022 03:17:30

Highest Band Edge / 1 RB



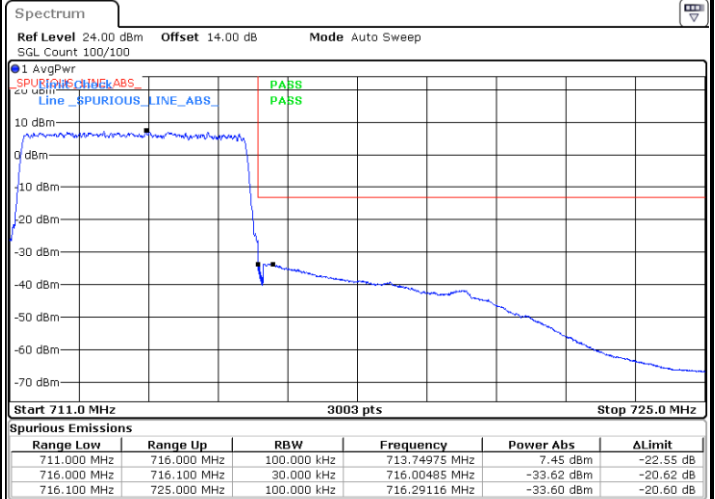
Date: 5.JUL.2022 03:33:10

Lowest Band Edge / Full RB



Date: 5.JUL.2022 03:11:33

Highest Band Edge / Full RB

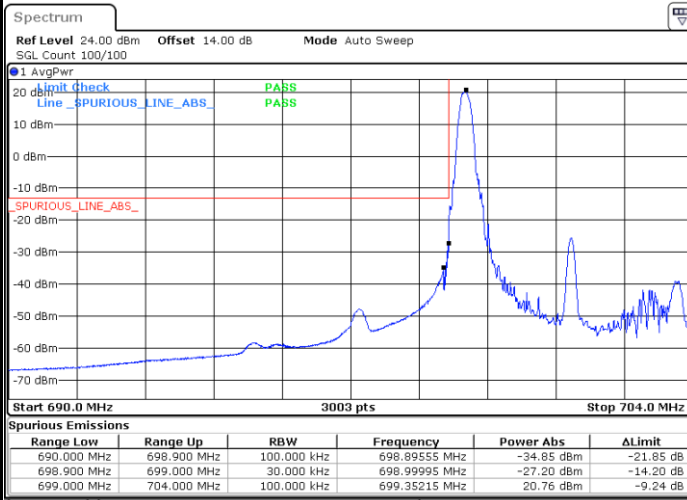


Date: 5.JUL.2022 03:29:12



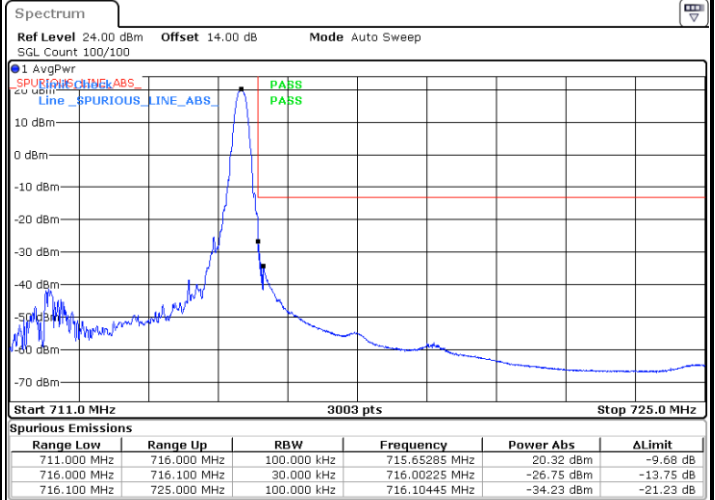
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



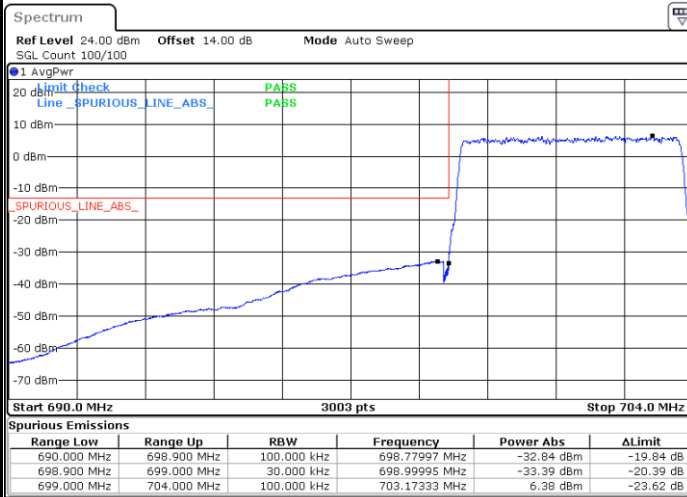
Date: 5.JUL.2022 03:15:31

Highest Band Edge / 1 RB



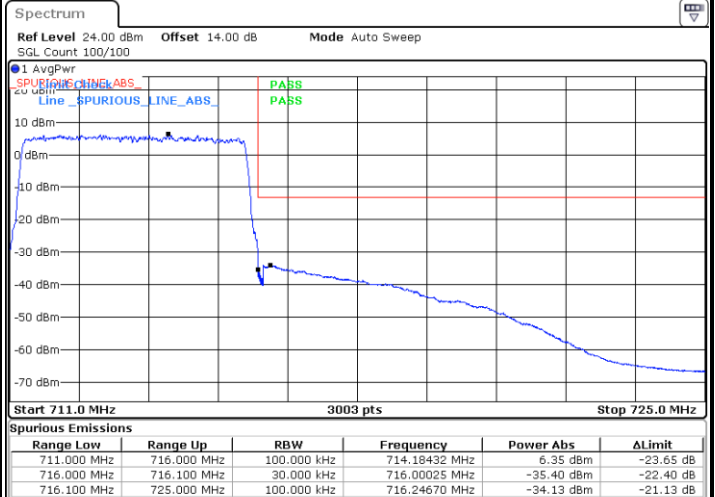
Date: 5.JUL.2022 03:35:09

Lowest Band Edge / Full RB



Date: 5.JUL.2022 03:13:32

Highest Band Edge / Full RB

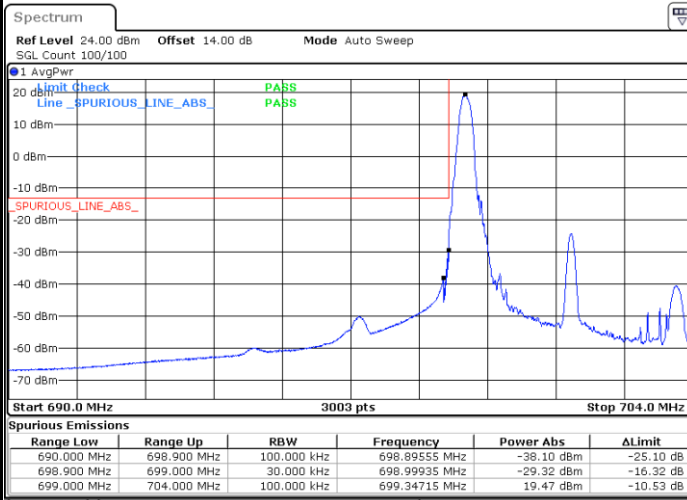


Date: 5.JUL.2022 03:31:11



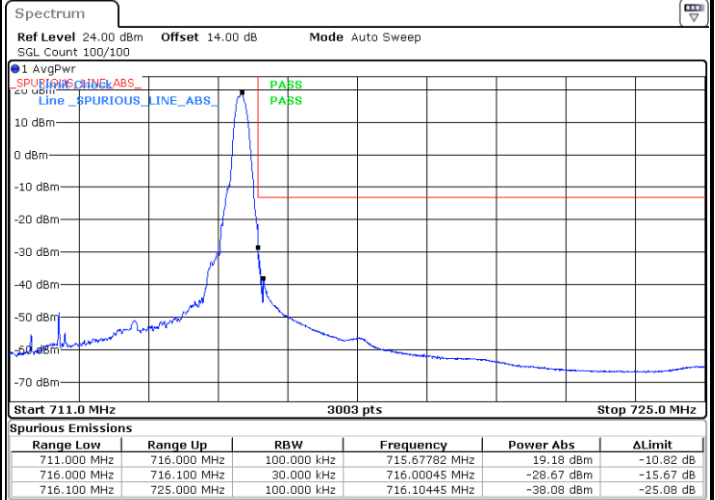
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



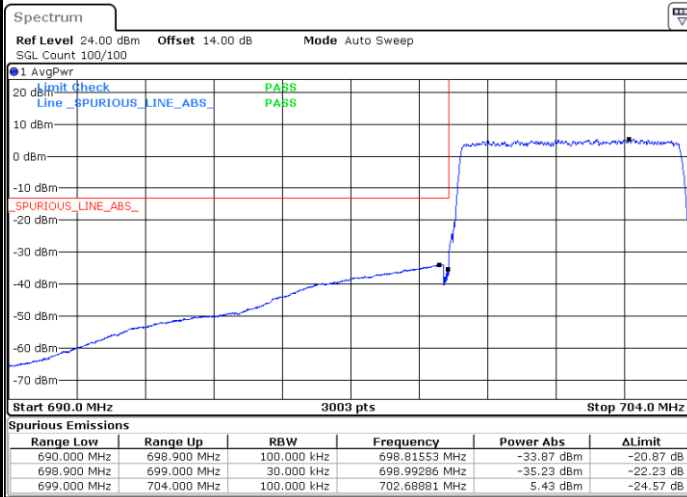
Date: 5.JUL.2022 02:58:05

Highest Band Edge / 1 RB



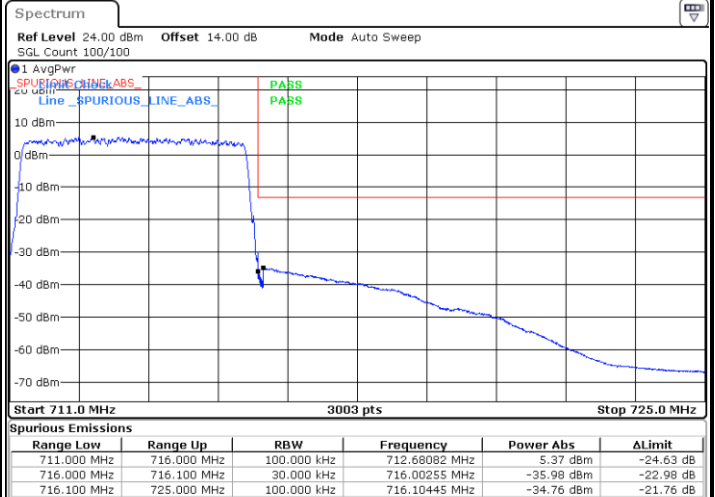
Date: 5.JUL.2022 03:06:20

Lowest Band Edge / Full RB



Date: 5.JUL.2022 02:56:06

Highest Band Edge / Full RB

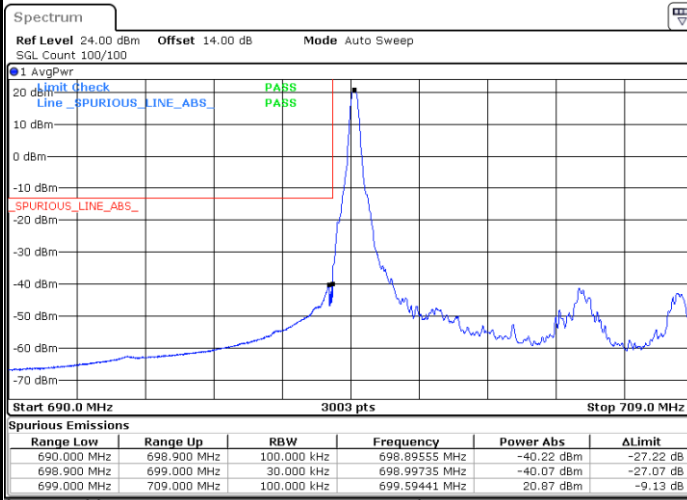


Date: 5.JUL.2022 03:04:21



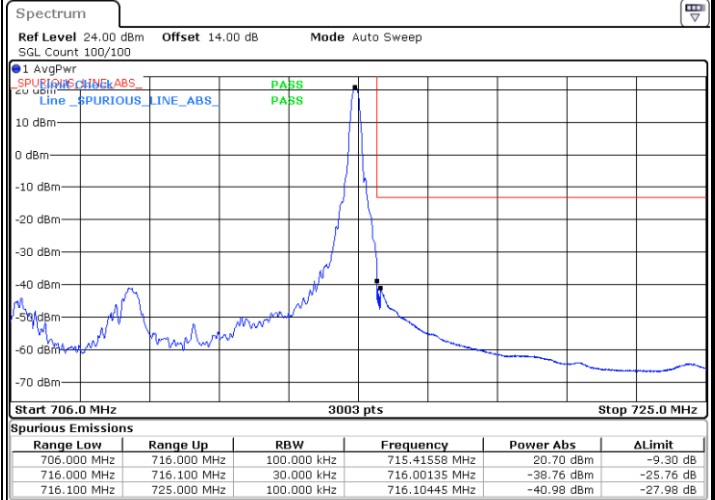
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



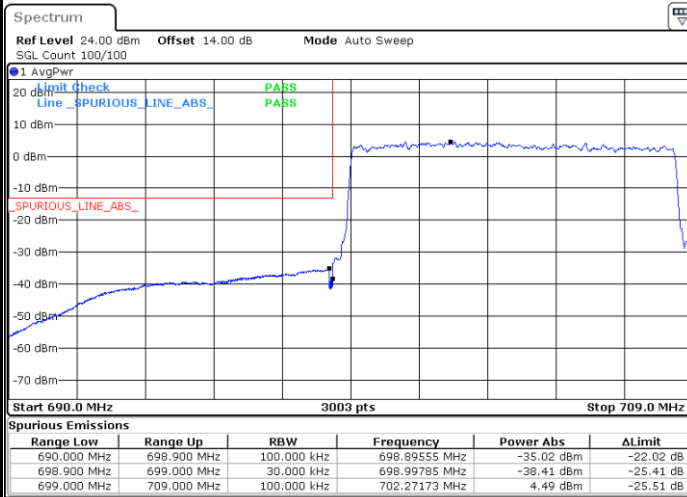
Date: 5.JUL.2022 03:47:59

Highest Band Edge / 1 RB



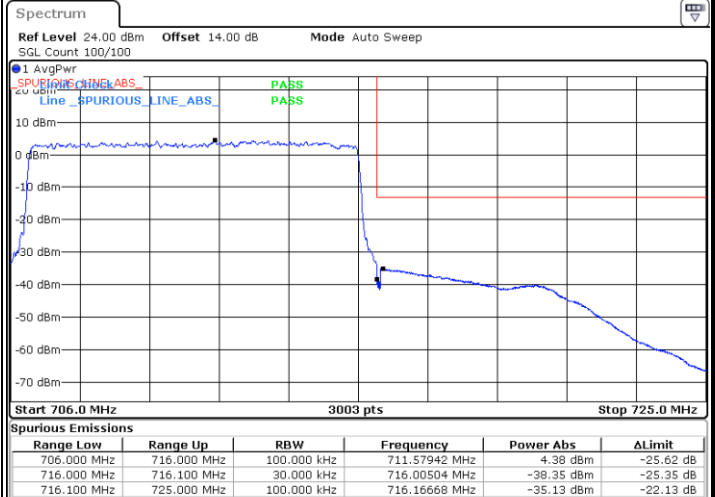
Date: 5.JUL.2022 04:05:39

Lowest Band Edge / Full RB



Date: 5.JUL.2022 03:42:02

Highest Band Edge / Full RB

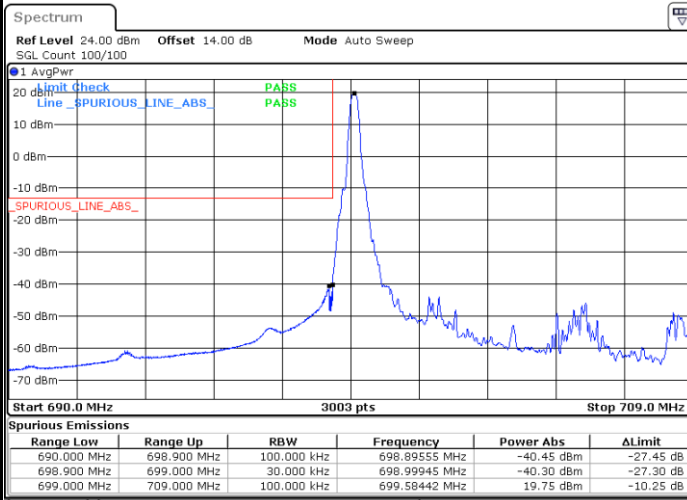


Date: 5.JUL.2022 03:59:42



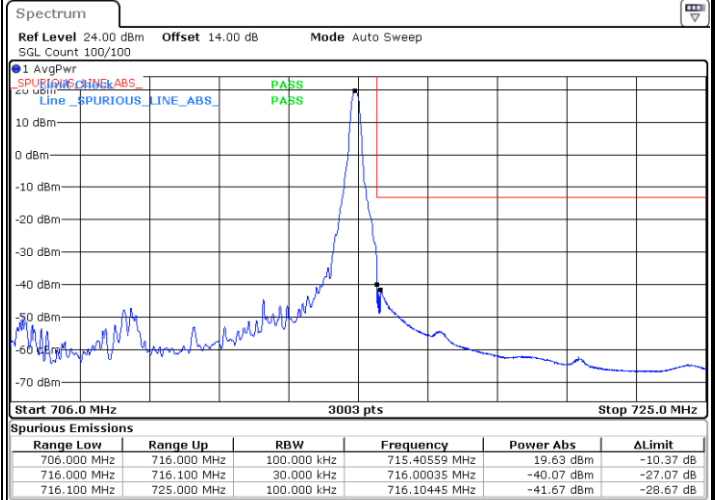
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



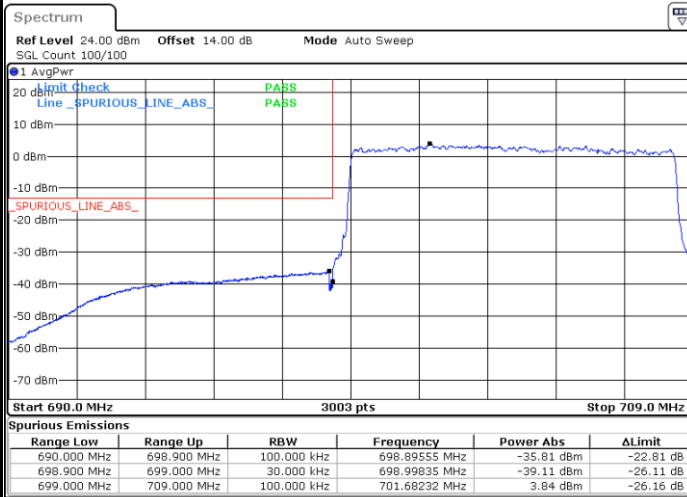
Date: 5.JUL.2022 03:46:00

Highest Band Edge / 1 RB



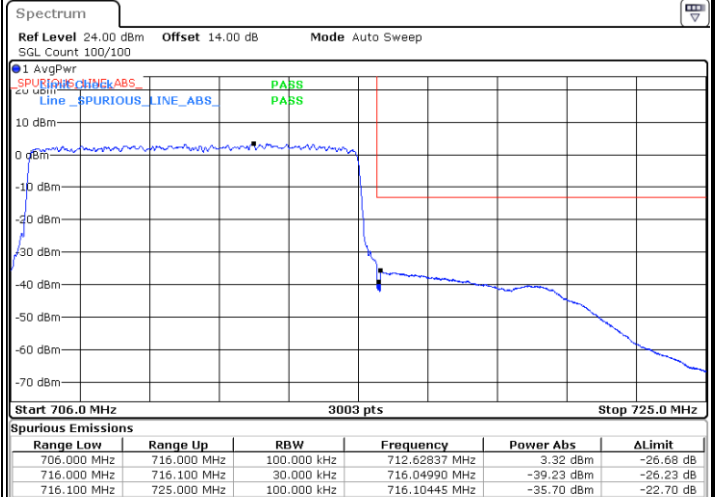
Date: 5.JUL.2022 04:03:40

Lowest Band Edge / Full RB



Date: 5.JUL.2022 03:44:01

Highest Band Edge / Full RB

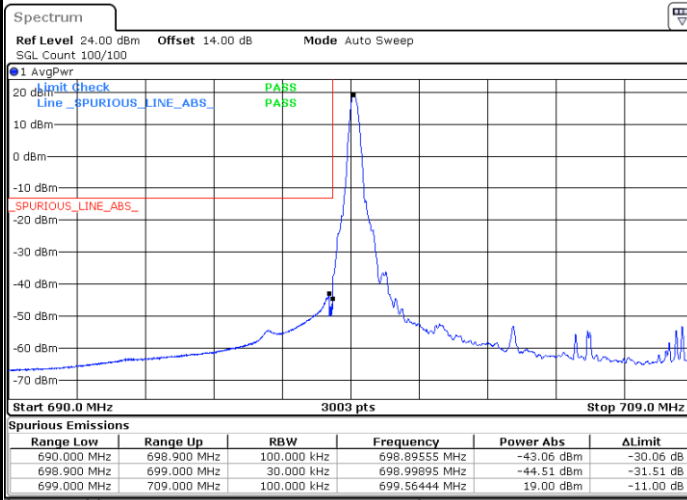


Date: 5.JUL.2022 04:01:41



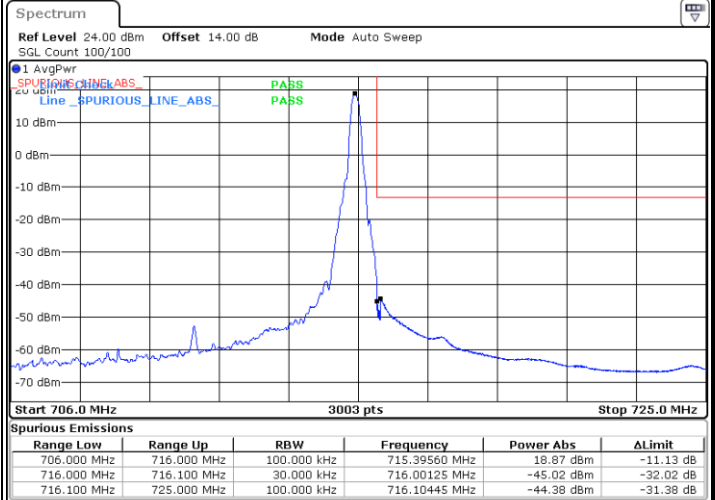
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



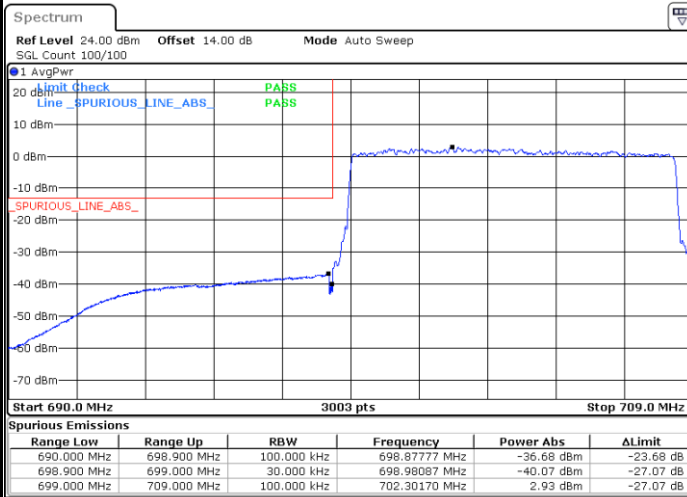
Date: 5.JUL.2022 04:13:24

Highest Band Edge / 1 RB



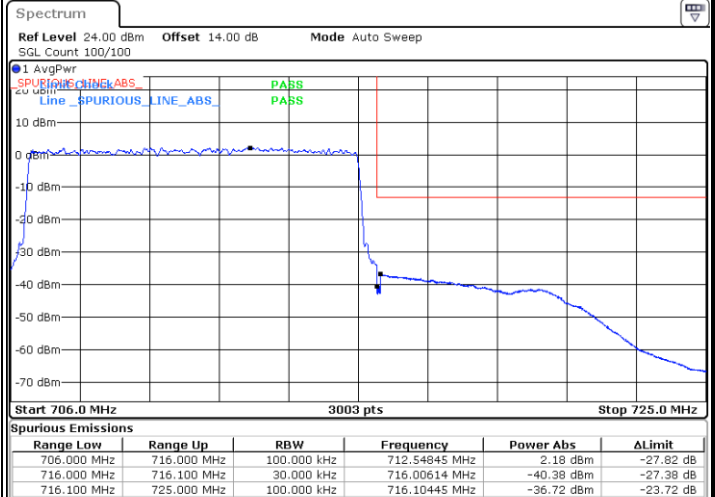
Date: 5.JUL.2022 04:21:40

Lowest Band Edge / Full RB



Date: 5.JUL.2022 04:11:26

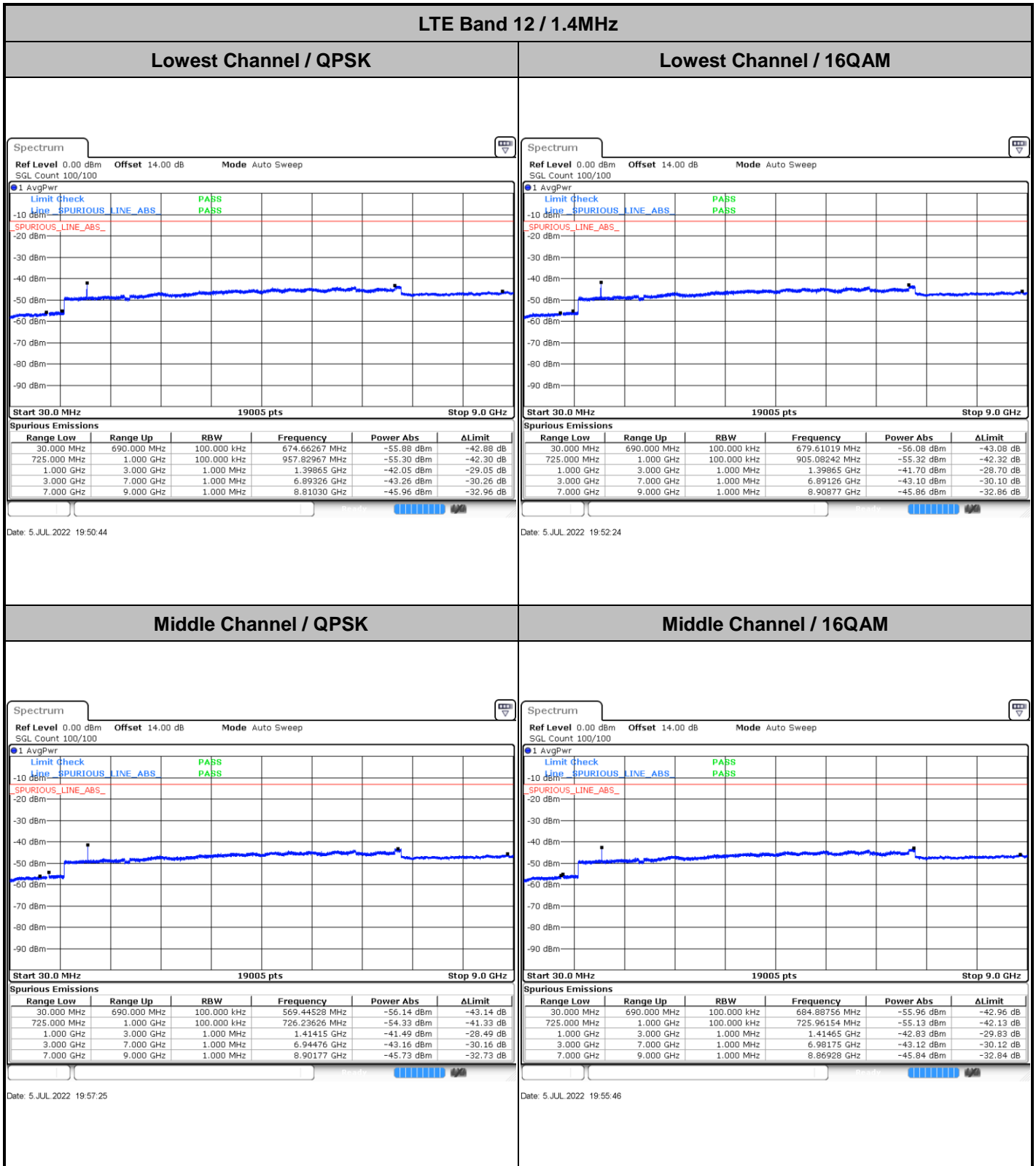
Highest Band Edge / Full RB



Date: 5.JUL.2022 04:19:41



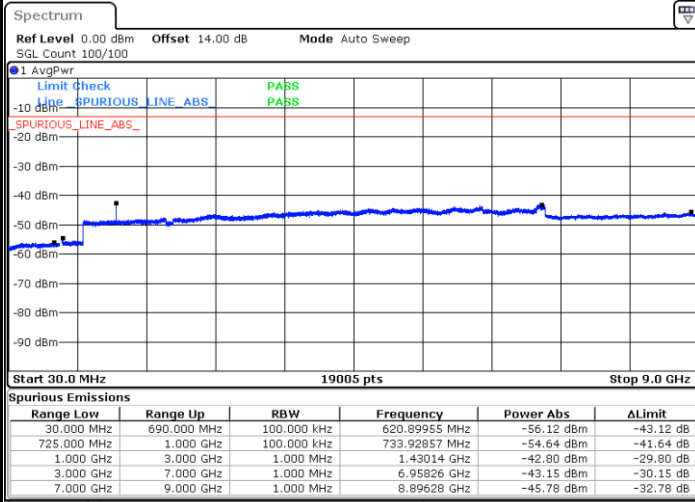
Conducted Spurious Emission





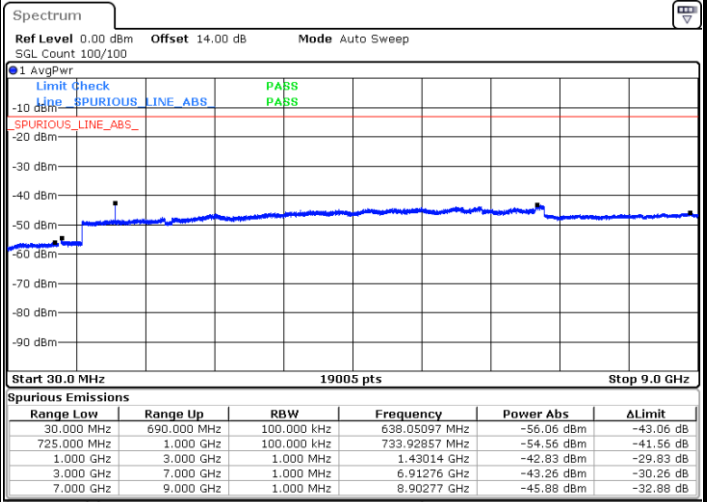
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 5 JUL 2022 20:08:36

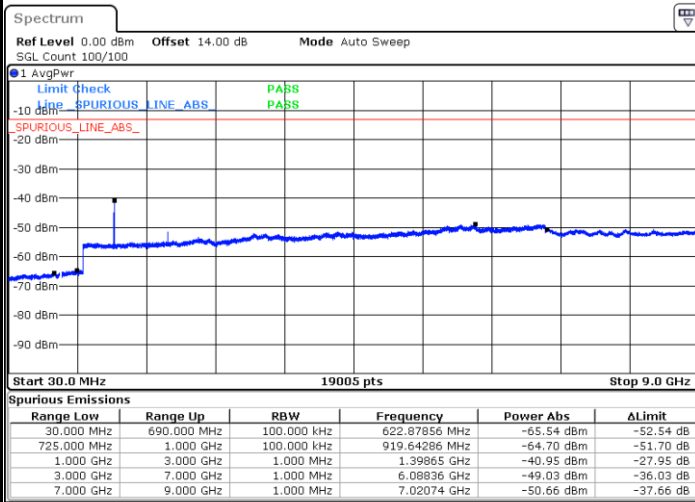
Highest Channel / 16QAM



Date: 5 JUL 2022 20:10:16

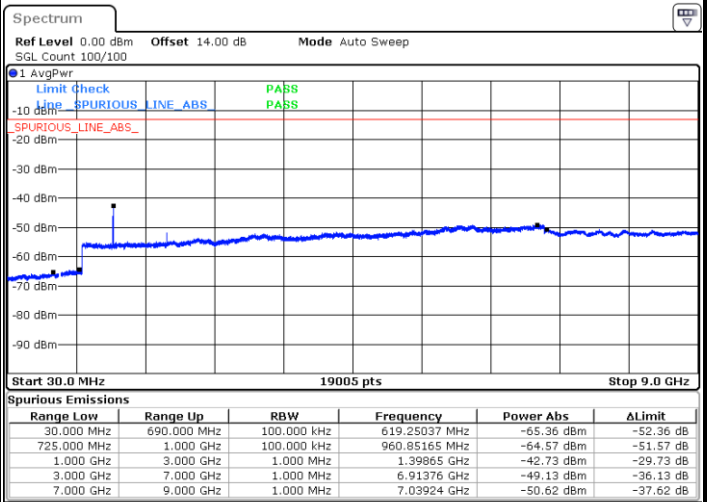
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 5 JUL 2022 02:19:45

Lowest Channel / 16QAM



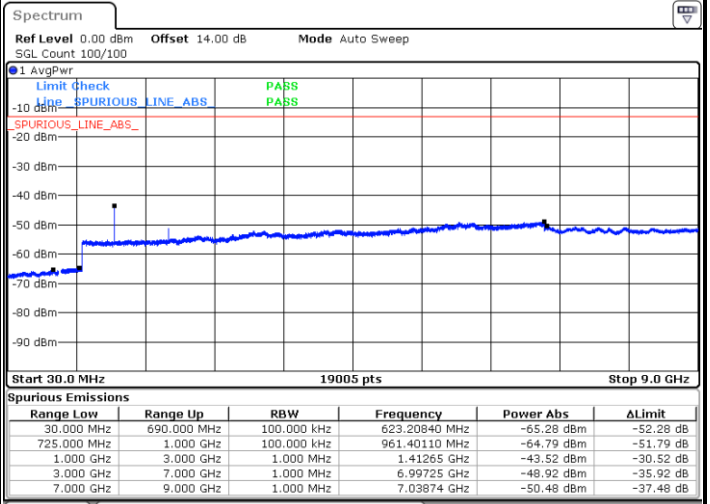
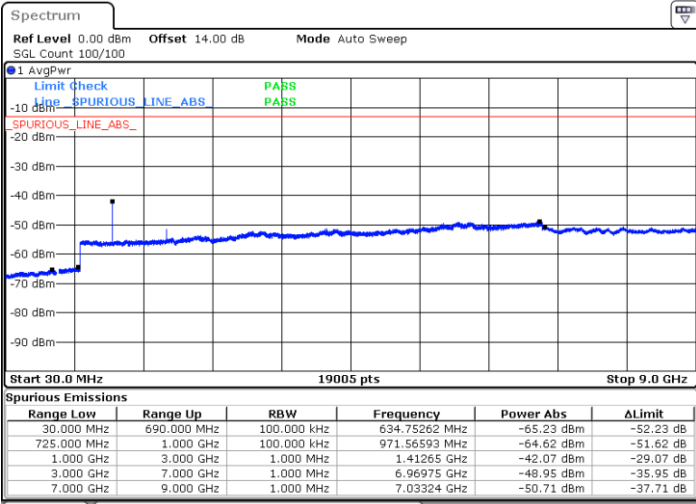
Date: 5 JUL 2022 02:21:24



LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

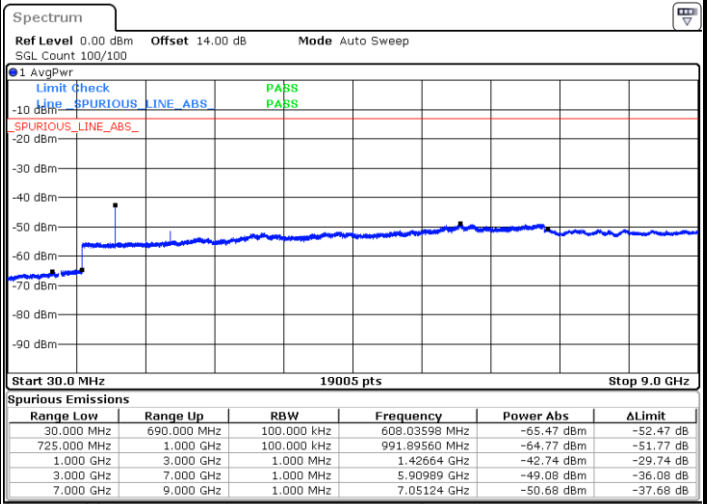
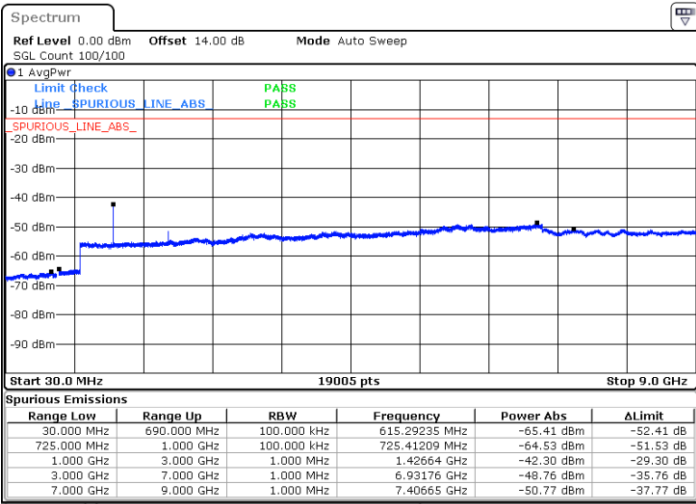


Date: 5 JUL 2022 02:26:25

Date: 5 JUL 2022 02:24:46

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5 JUL 2022 02:37:33

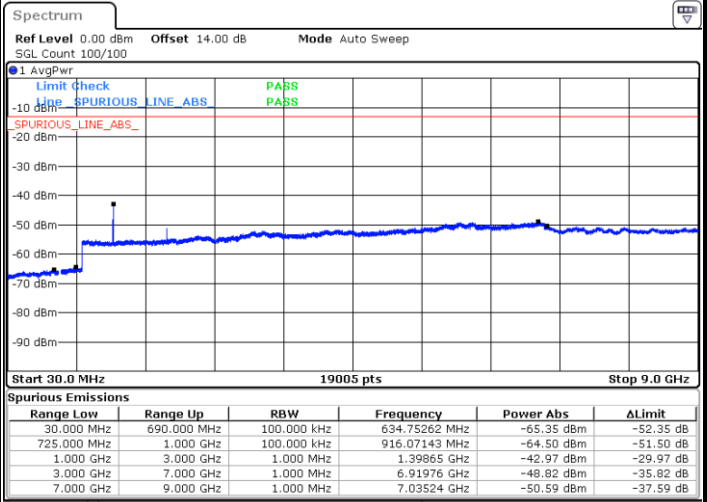
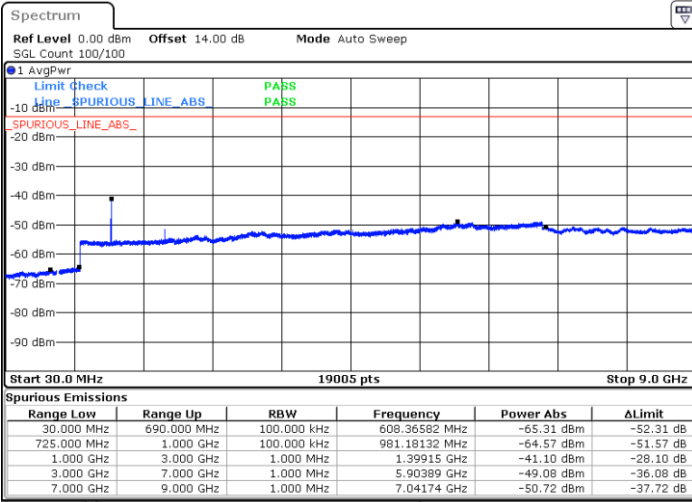
Date: 5 JUL 2022 02:39:13



LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

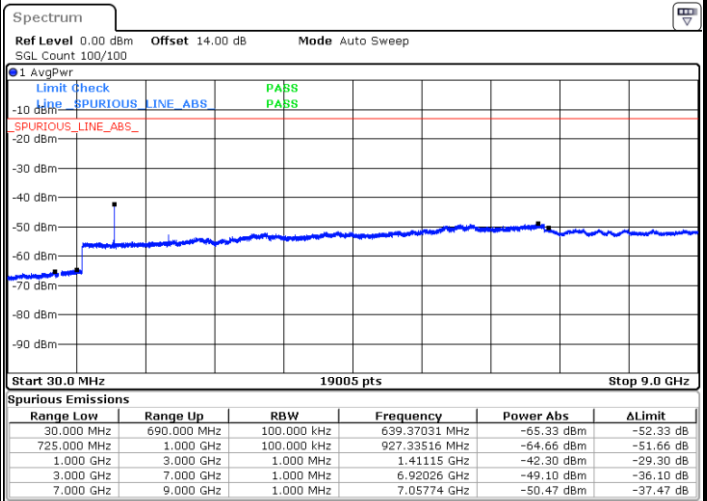
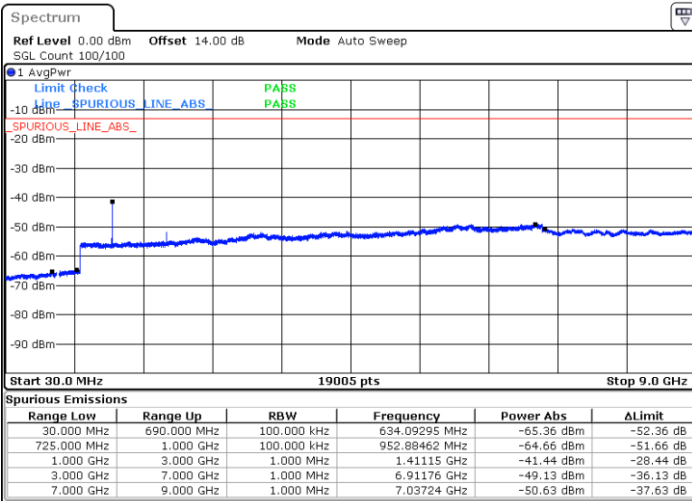


Date: 5 JUL 2022 03:18:59

Date: 5 JUL 2022 03:20:39

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 5 JUL 2022 03:25:39

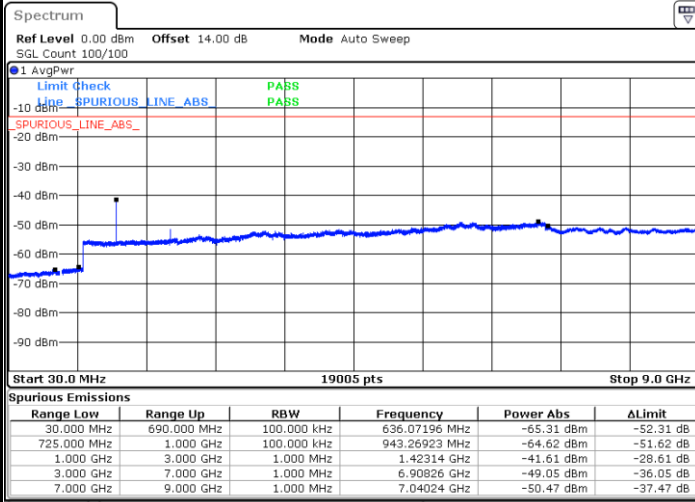
Date: 5 JUL 2022 03:24:01



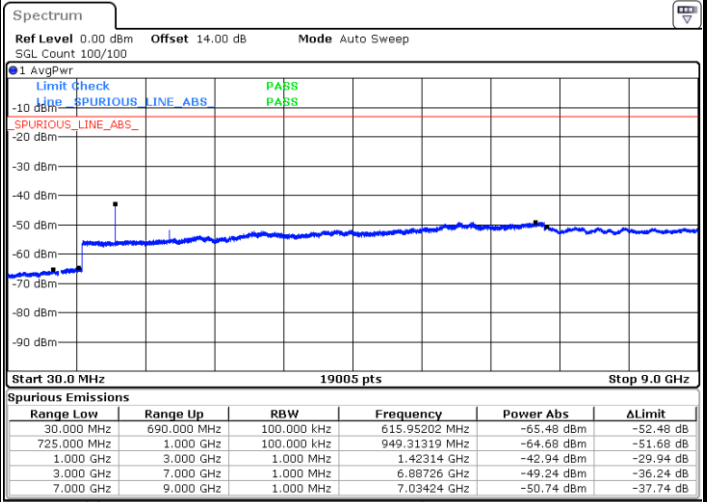
LTE Band 12 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 5 JUL 2022 03:38:27

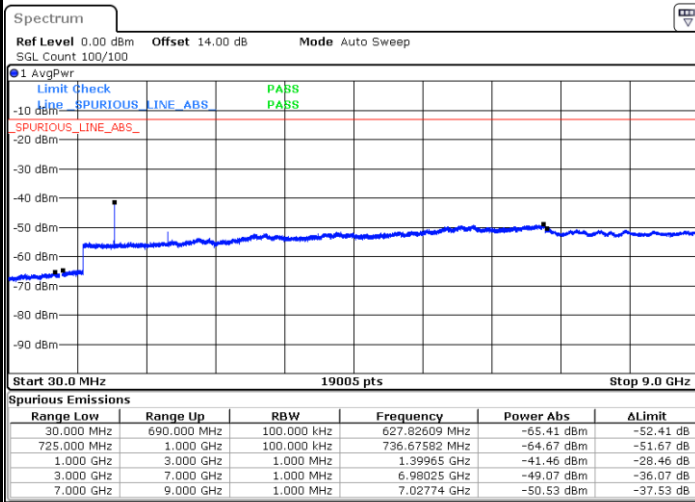


Date: 5 JUL 2022 03:36:48

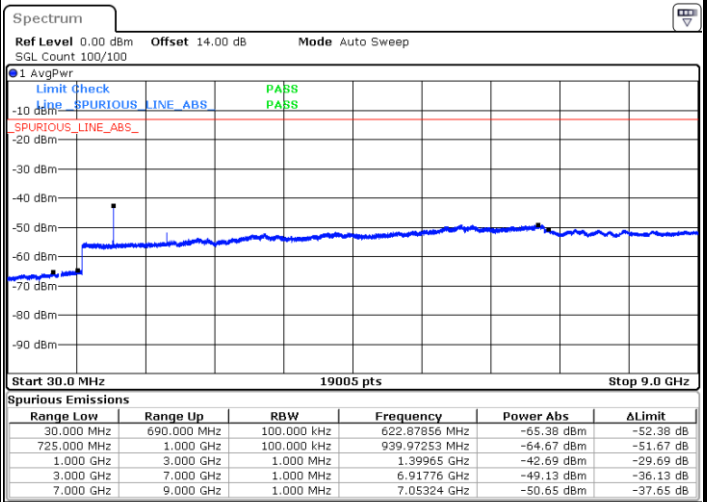
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 5 JUL 2022 03:49:29



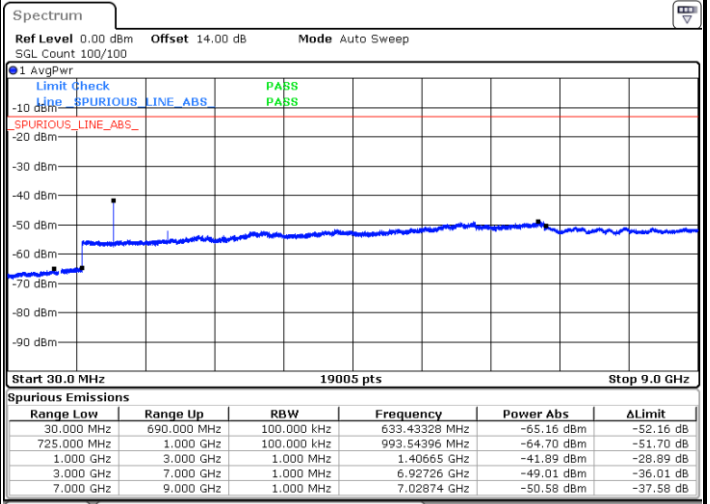
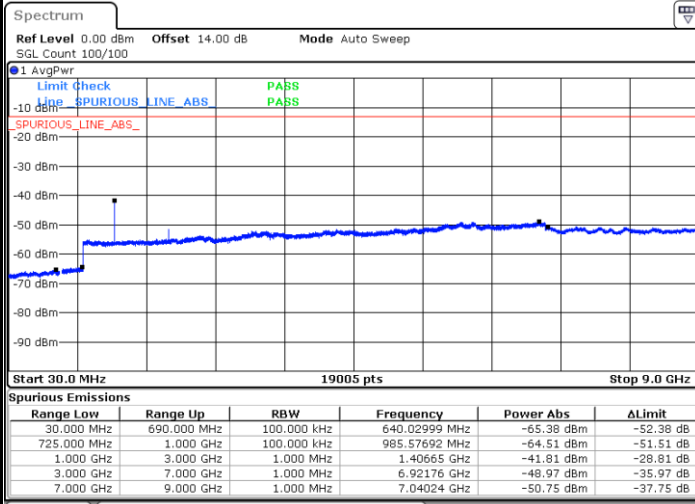
Date: 5 JUL 2022 03:51:08



LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

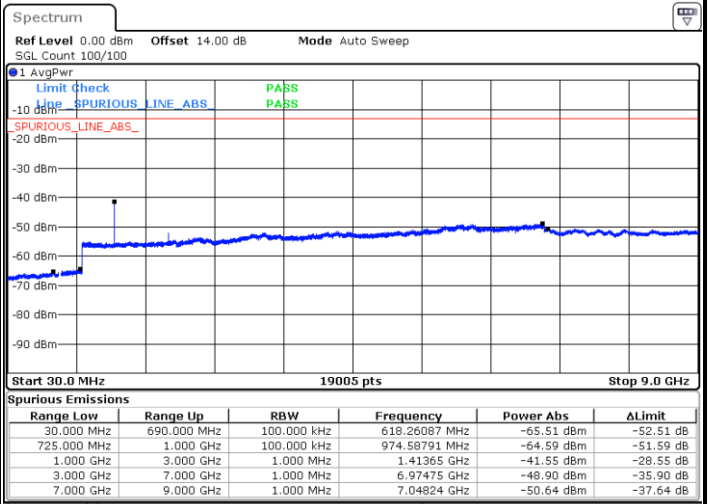
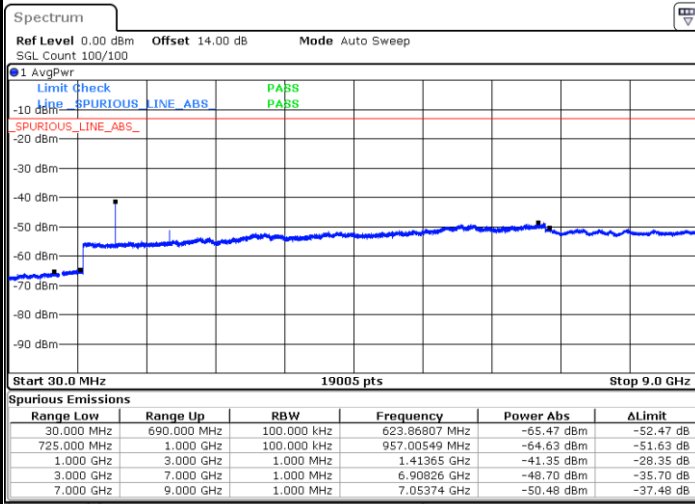


Date: 5.JUL.2022 03:56:09

Date: 5.JUL.2022 03:54:30

Highest Channel / QPSK

Highest Channel / 16QAM



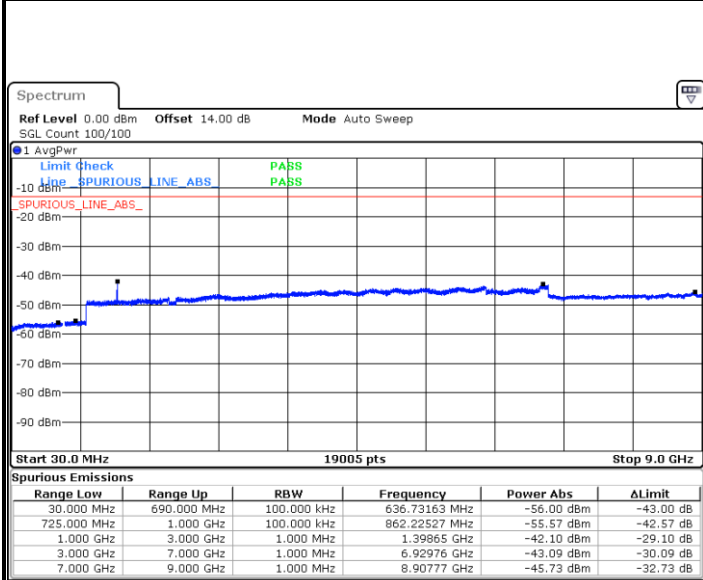
Date: 5.JUL.2022 04:07:18

Date: 5.JUL.2022 04:08:56



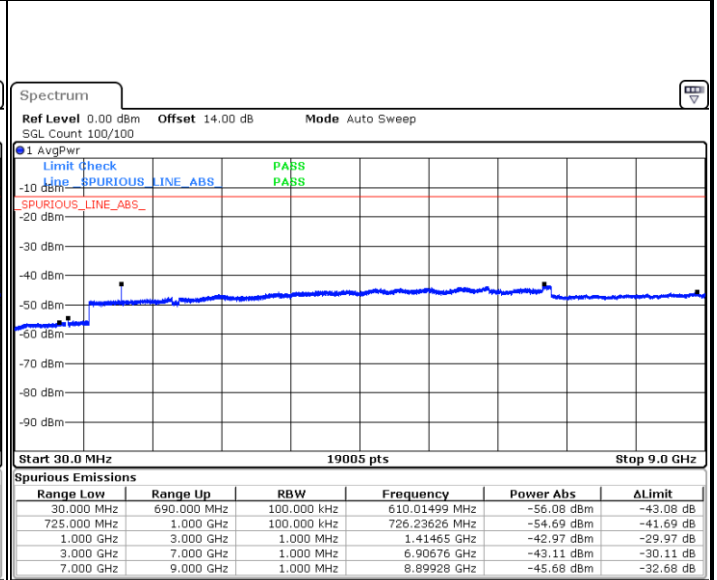
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM



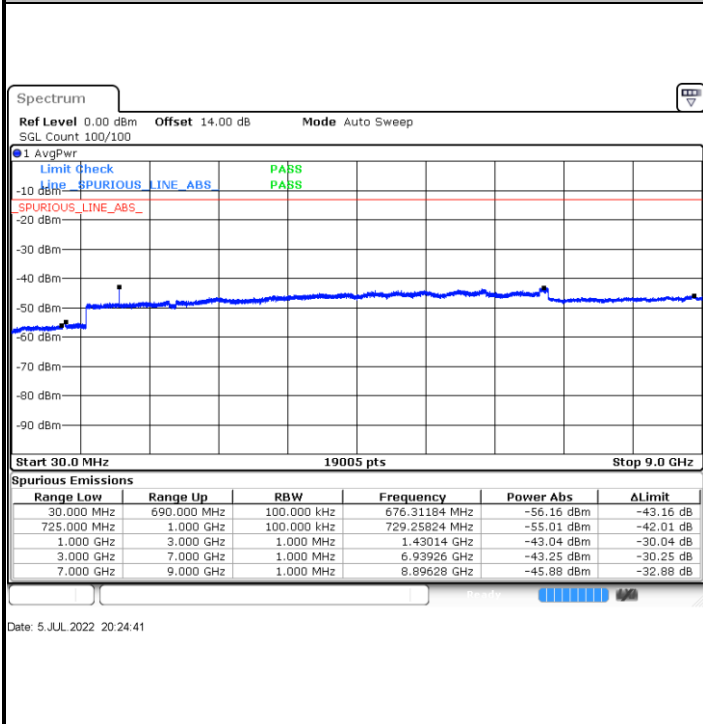
Date: 5 JUL 2022 20:16:15

Middle Channel / 64QAM



Date: 5 JUL 2022 20:18:33

Highest Channel / 64QAM



Date: 5 JUL 2022 20:24:41

N/A

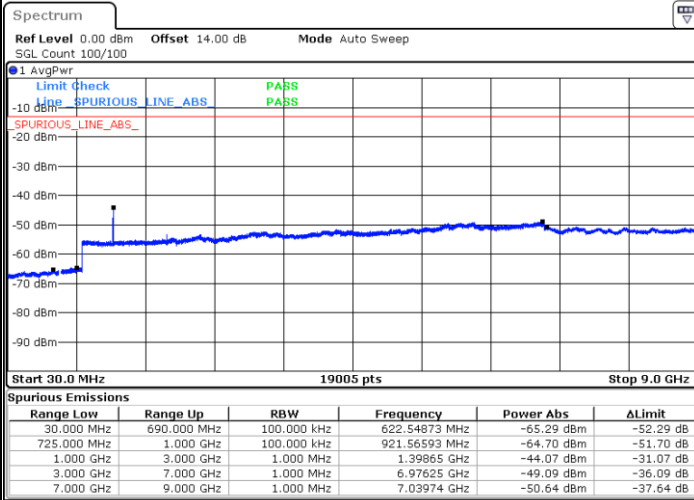
N/A



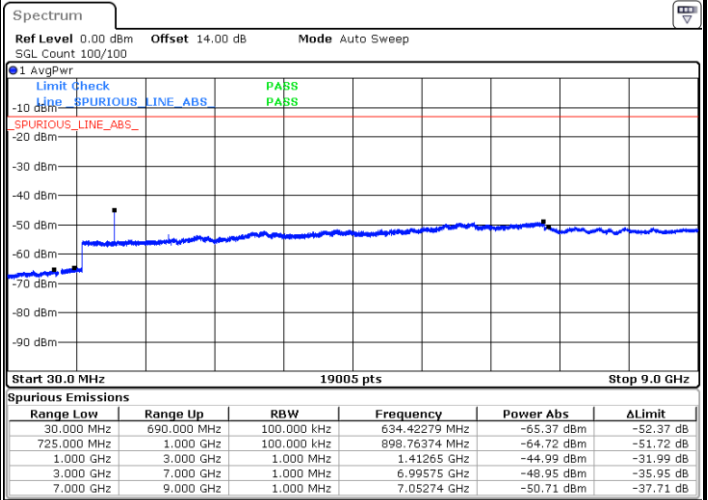
LTE Band 12 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



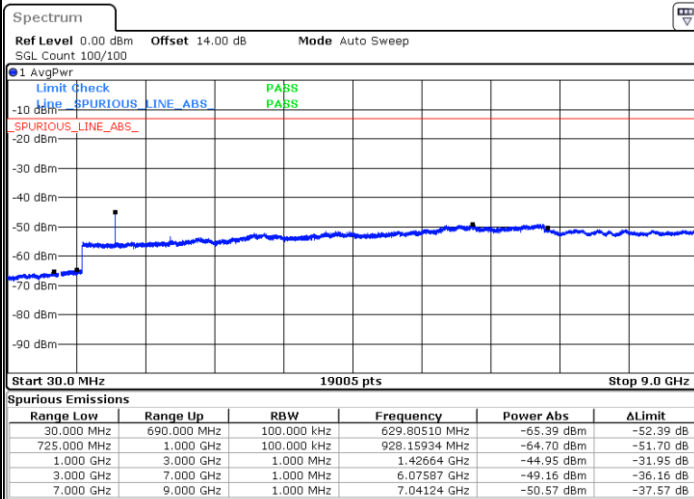
Date: 5 JUL 2022 02:45:10



Date: 5 JUL 2022 02:47:28

Highest Channel / 64QAM

N/A



Date: 5 JUL 2022 02:53:36

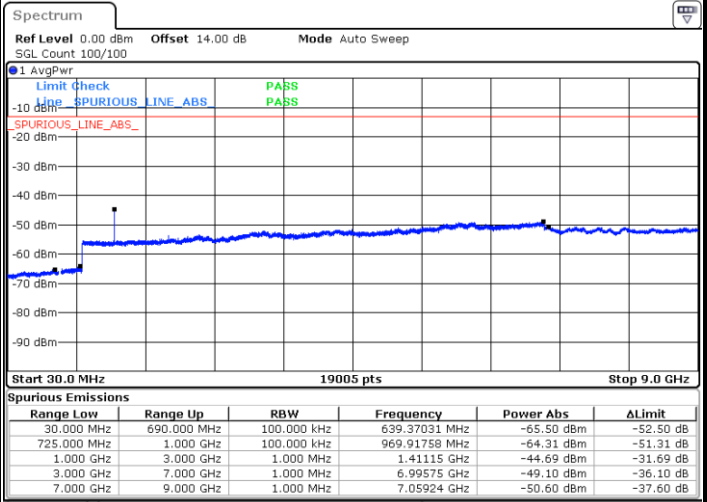
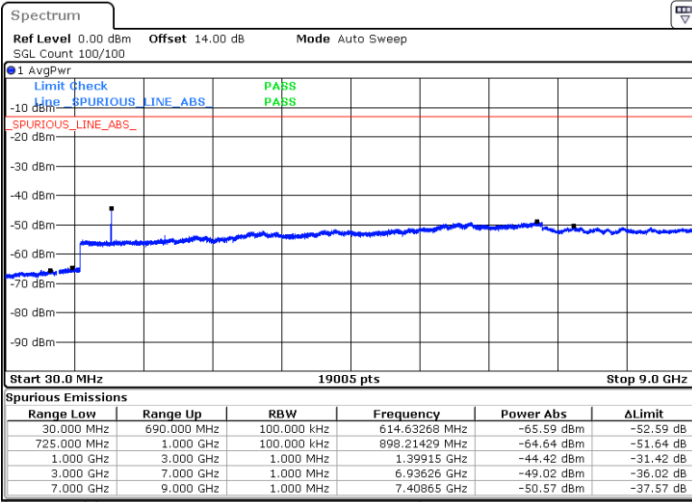
N/A



LTE Band 12 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

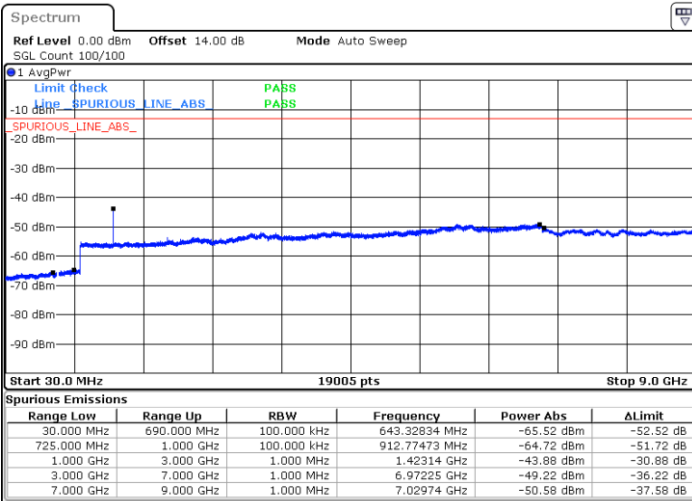


Date: 5 JUL 2022 02:59:34

Date: 5 JUL 2022 03:01:52

Highest Channel / 64QAM

N/A



Date: 5 JUL 2022 03:07:59

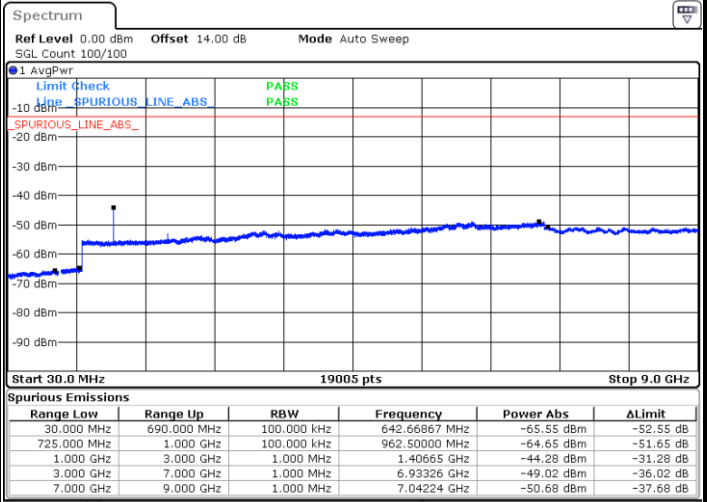
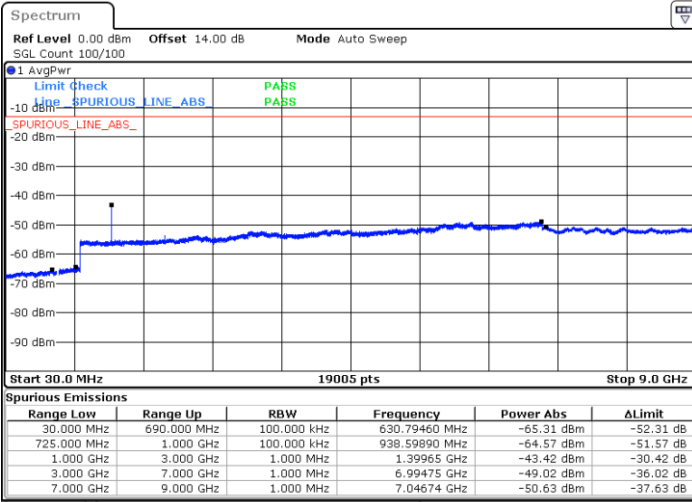
N/A



LTE Band 12 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

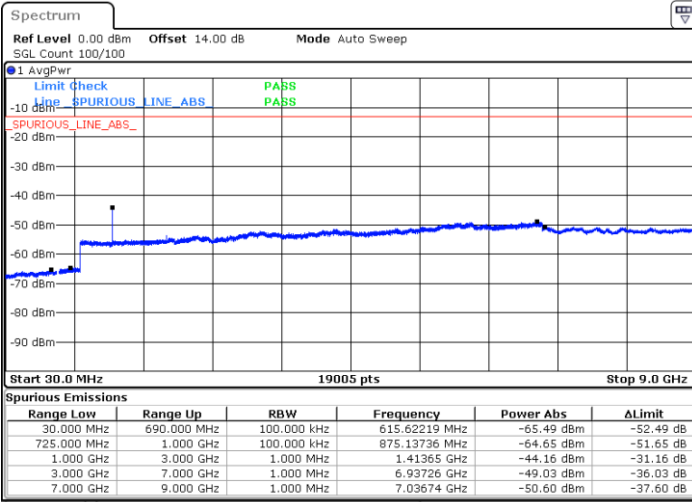


Date: 5 JUL 2022 04:14:54

Date: 5 JUL 2022 04:17:12

Highest Channel / 64QAM

N/A



Date: 5 JUL 2022 04:23:19

N/A



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

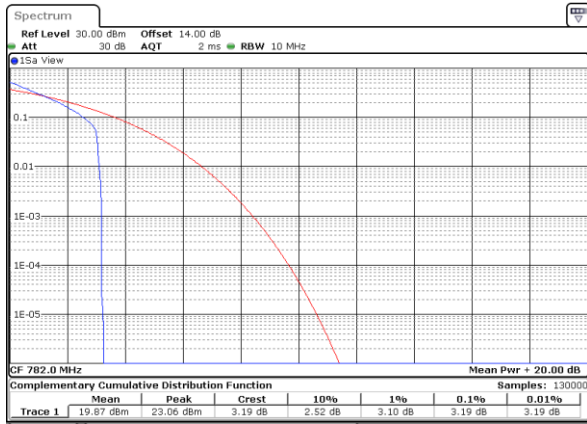
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.19	4.61	4.09	5.42	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.38	5.45	-	-	
Highest CH	-	-	-	-	



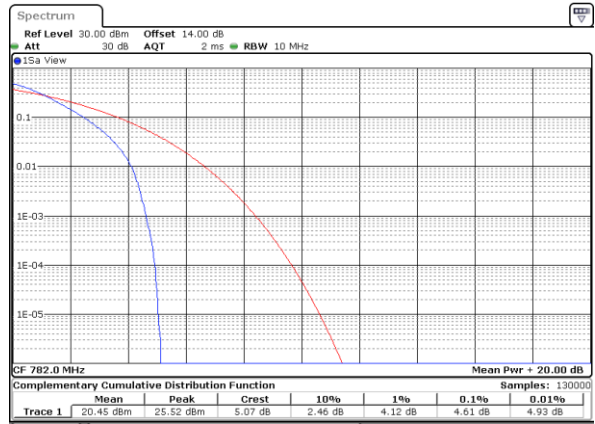
LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB



Date: 5 JUL 2022 21:50:12

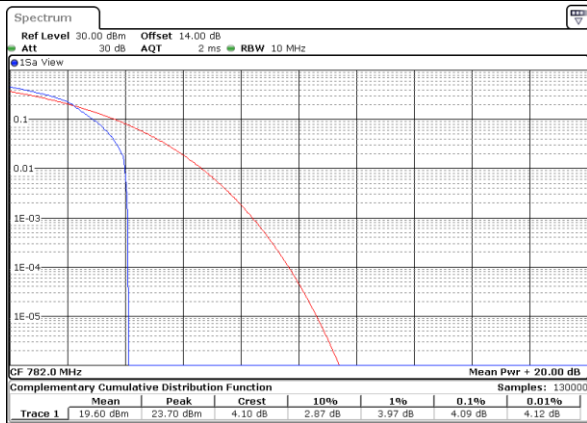
Middle Channel / Full RB



Date: 5 JUL 2022 21:50:38

LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB



Date: 5 JUL 2022 21:49:04

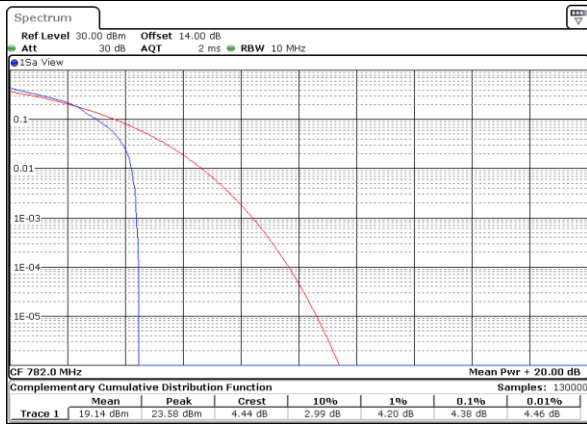
Middle Channel / Full RB



Date: 5 JUL 2022 21:49:46

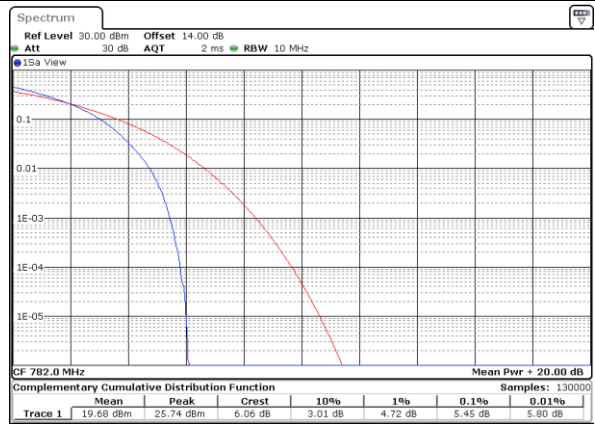
LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Date: 5 JUL 2022 21:48:14

Middle Channel / Full RB



Date: 5 JUL 2022 21:48:39



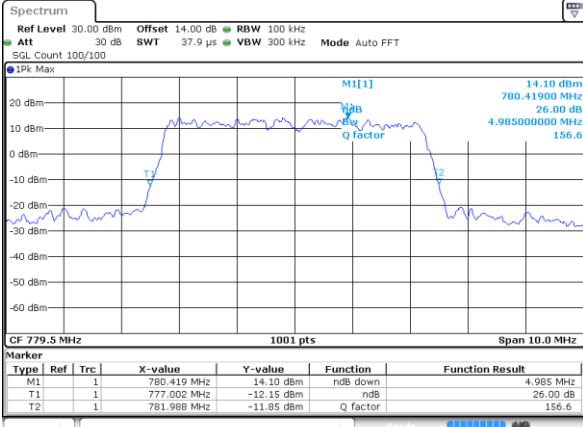
26dB Bandwidth

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.99	4.91	-	-	-	-	-	-
Middle CH	-	-	-	-	4.86	4.86	9.83	9.89	-	-	-	-
Highest CH	-	-	-	-	4.93	4.92	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.87	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.83	-	9.67	-	-	-	-	-
Highest CH	-	-	-	-	4.89	-	-	-	-	-	-	-



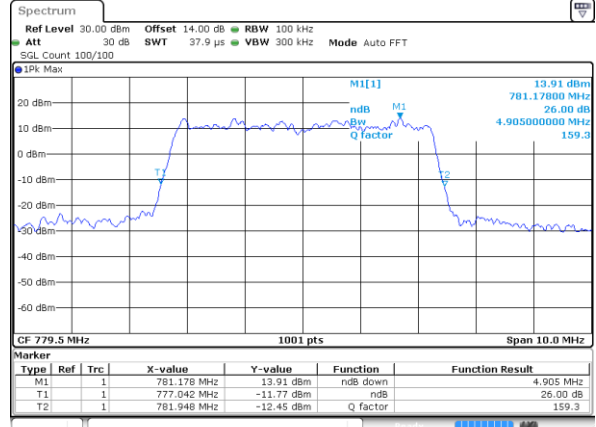
LTE Band 13

Lowest Channel / 5MHz / QPSK



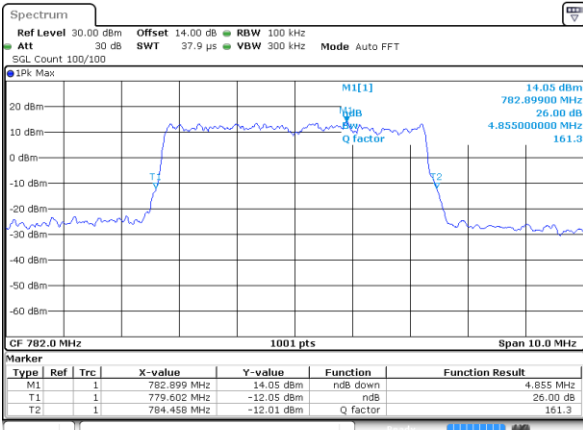
Date: 5 JUL 2022 20:36:05

Lowest Channel / 5MHz / 16QAM



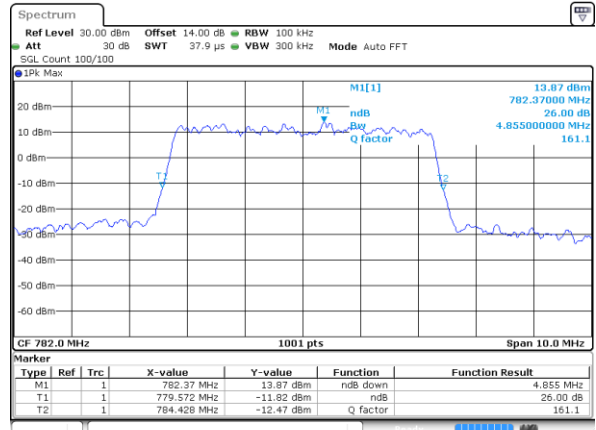
Date: 5 JUL 2022 20:35:25

Middle Channel / 5MHz / QPSK



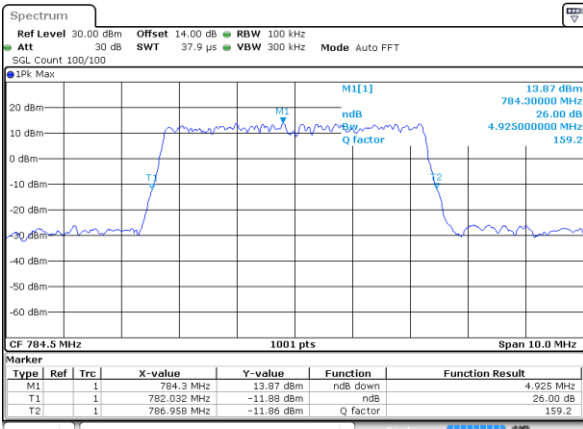
Date: 5 JUL 2022 20:51:25

Middle Channel / 5MHz / 16QAM



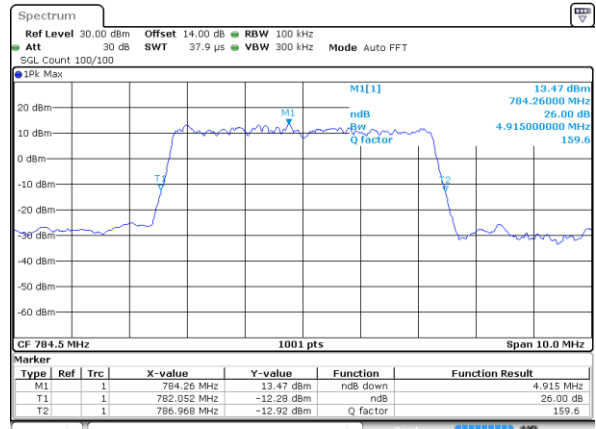
Date: 5 JUL 2022 20:51:49

Highest Channel / 5MHz / QPSK



Date: 5 JUL 2022 20:54:29

Highest Channel / 5MHz / 16QAM

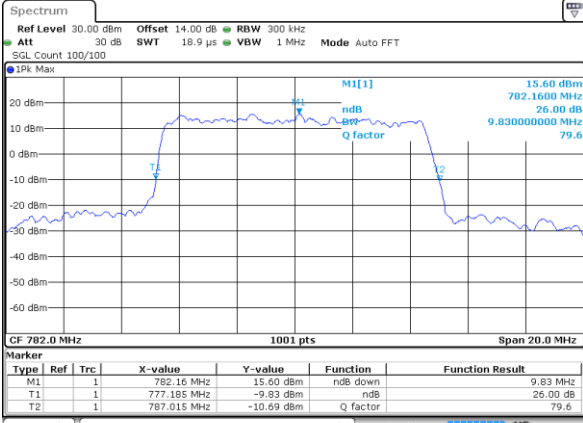


Date: 5 JUL 2022 20:54:04



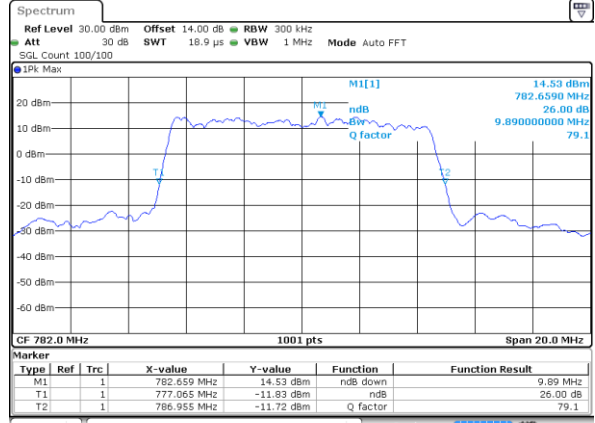
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 5 JUL 2022 21:23:21

Middle Channel / 10MHz / 16QAM



Date: 5 JUL 2022 21:22:41