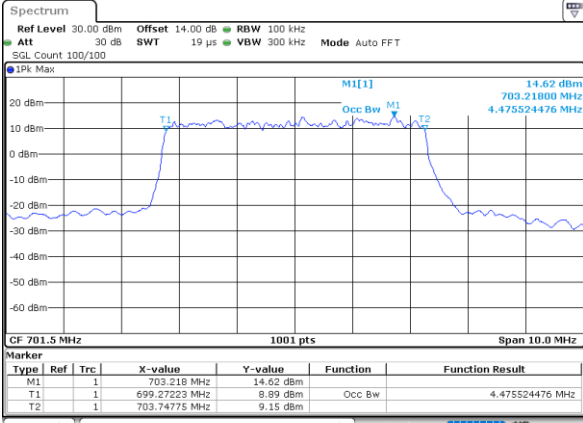




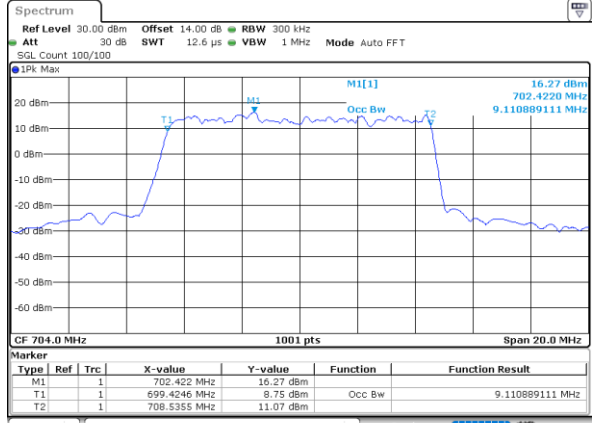
LTE Band 12

Lowest Channel / 5MHz / 64QAM



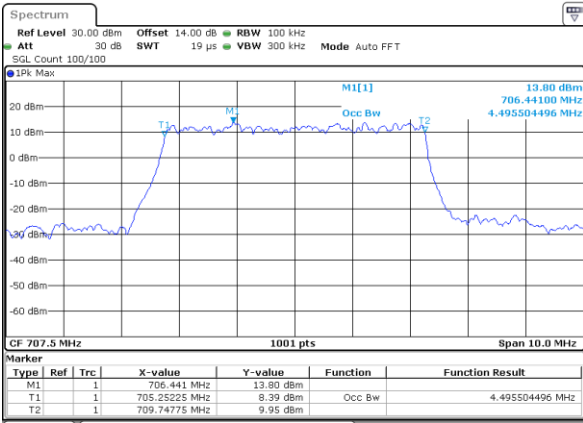
Date: 29.OCT.2022 18:53:29

Lowest Channel / 10MHz / 64QAM



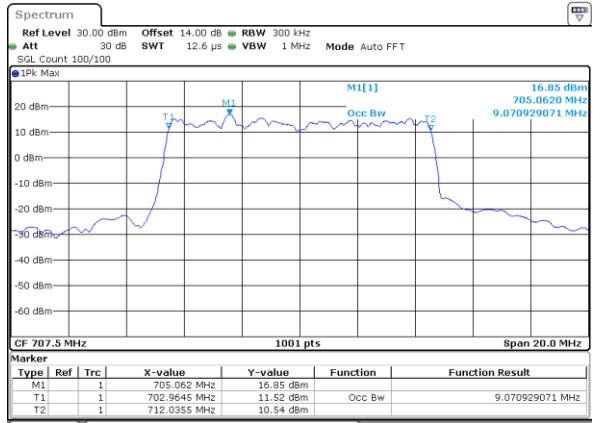
Date: 29.OCT.2022 19:56:16

Middle Channel / 5MHz / 64QAM



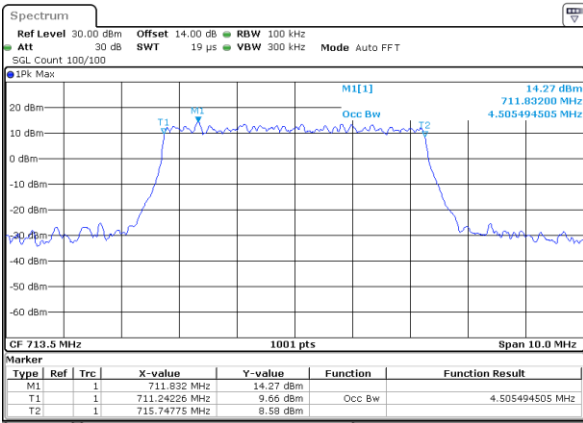
Date: 29.OCT.2022 18:58:28

Middle Channel / 10MHz / 64QAM



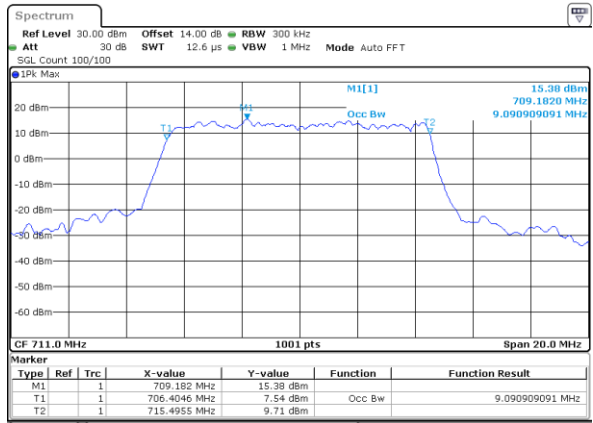
Date: 29.OCT.2022 20:01:14

Highest Channel / 5MHz / 64QAM



Date: 29.OCT.2022 19:00:30

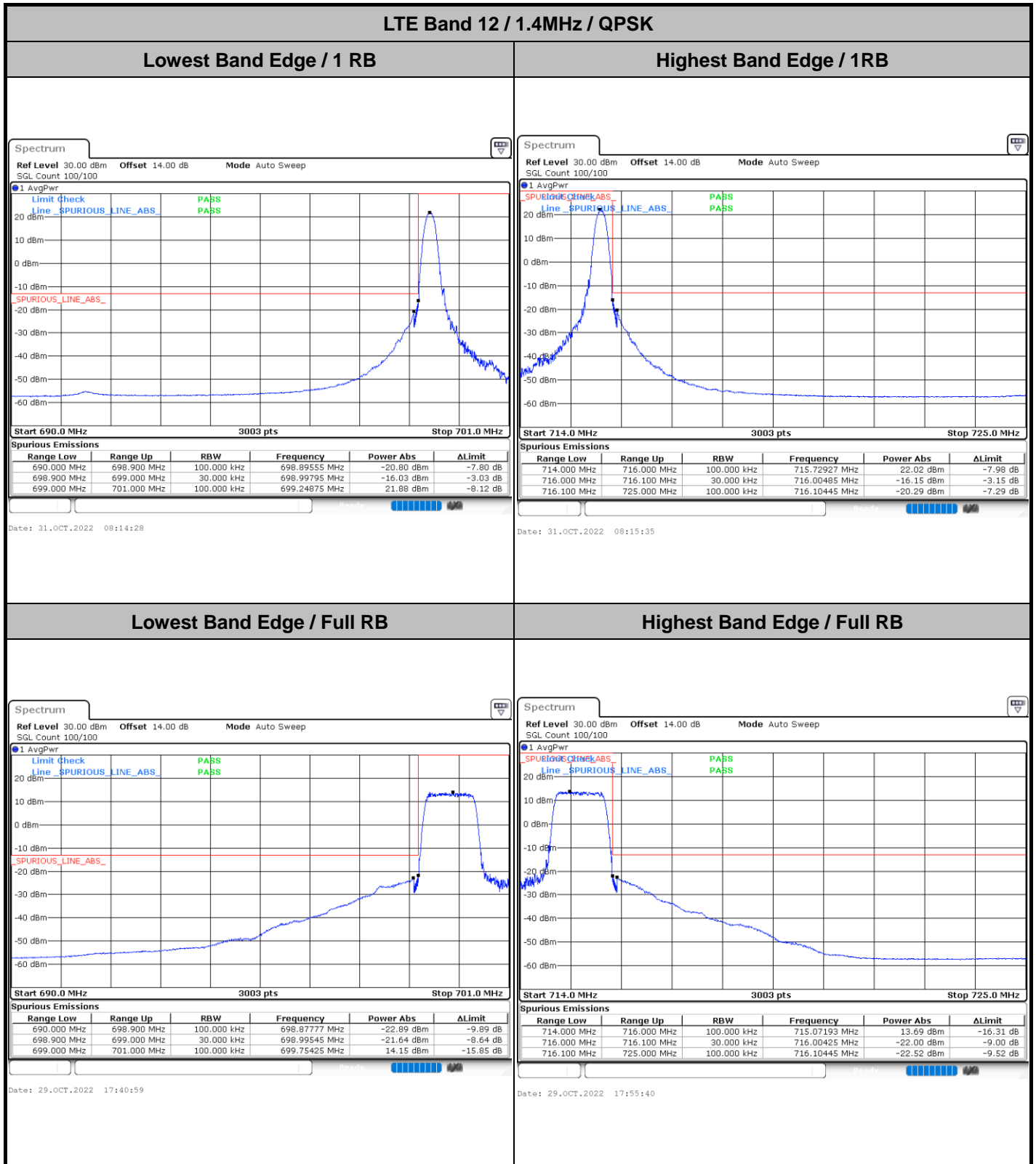
Highest Channel / 10MHz / 64QAM



Date: 29.OCT.2022 20:03:17



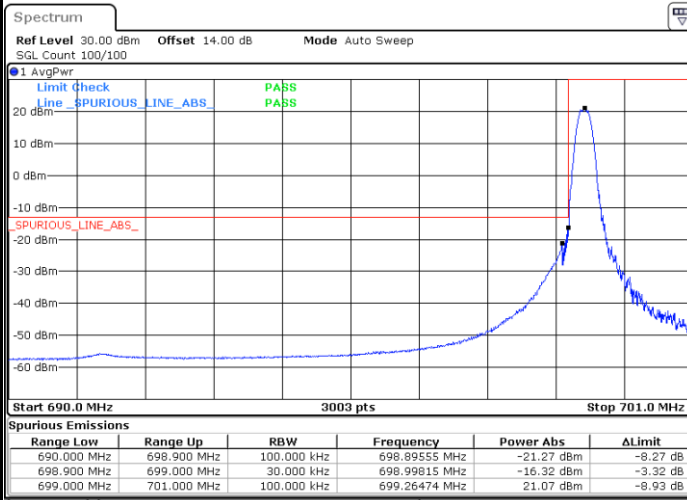
Conducted Band Edge





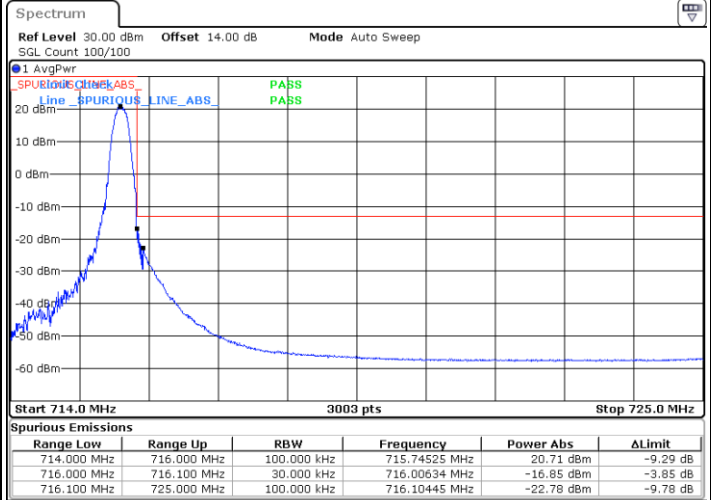
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



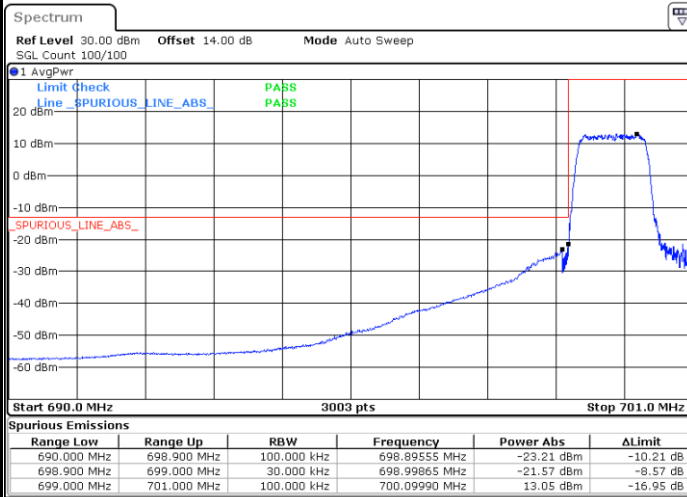
Date: 29.OCT.2022 17:44:15

Highest Band Edge / 1 RB



Date: 4.NOV.2022 15:26:13

Lowest Band Edge / Full RB



Date: 29.OCT.2022 17:42:37

Highest Band Edge / Full RB

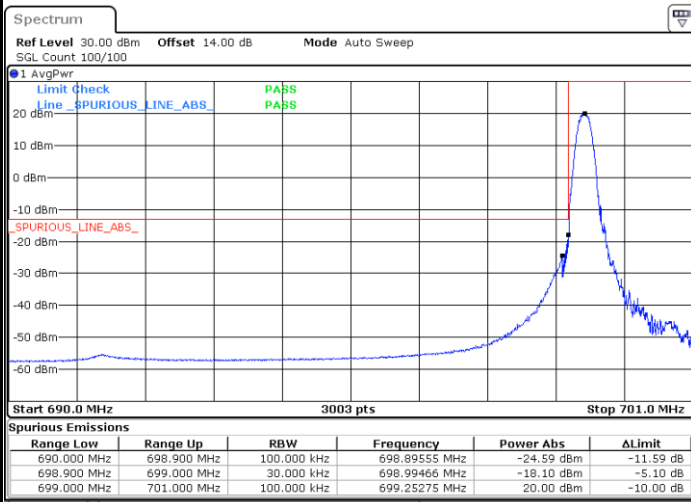


Date: 29.OCT.2022 17:57:18



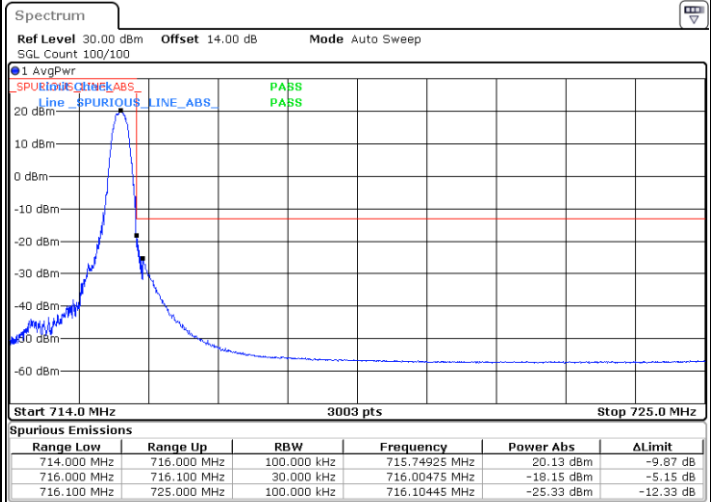
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



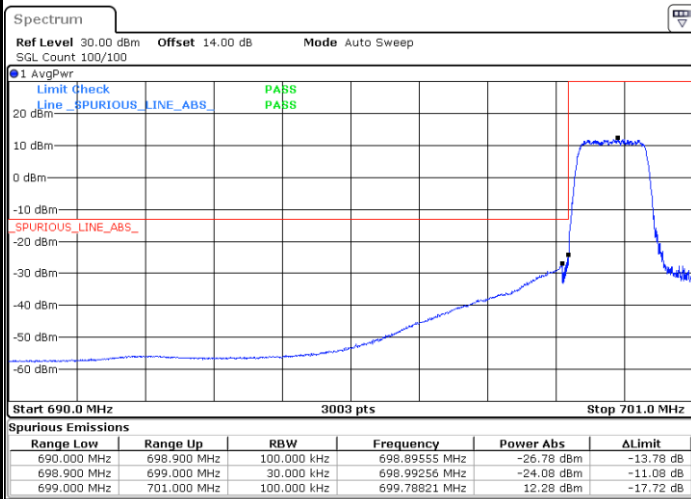
Date: 29.OCT.2022 18:07:08

Highest Band Edge / 1 RB



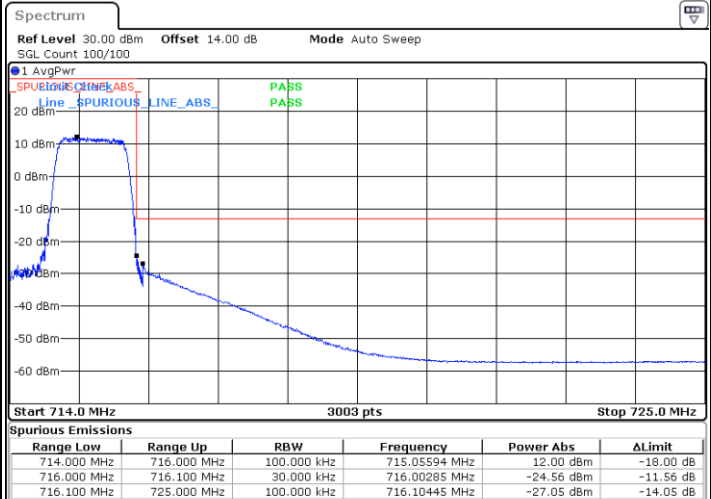
Date: 29.OCT.2022 18:14:12

Lowest Band Edge / Full RB



Date: 29.OCT.2022 18:05:29

Highest Band Edge / Full RB

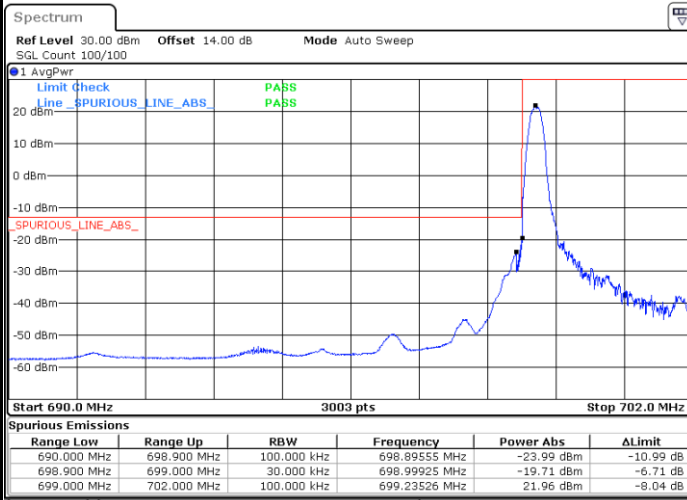


Date: 29.OCT.2022 18:12:34



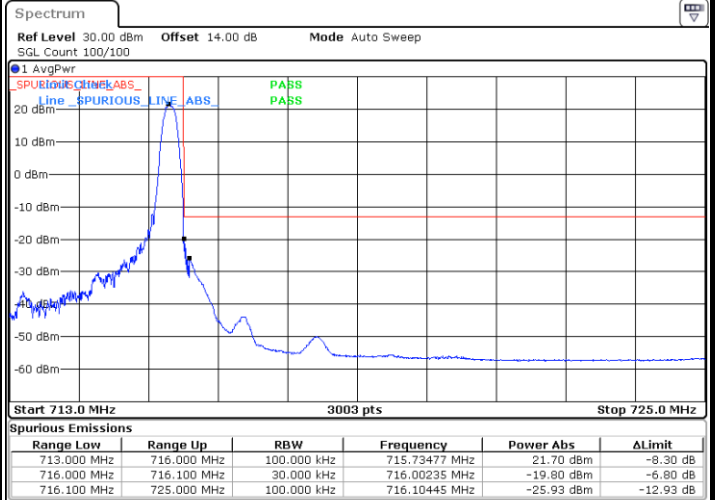
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



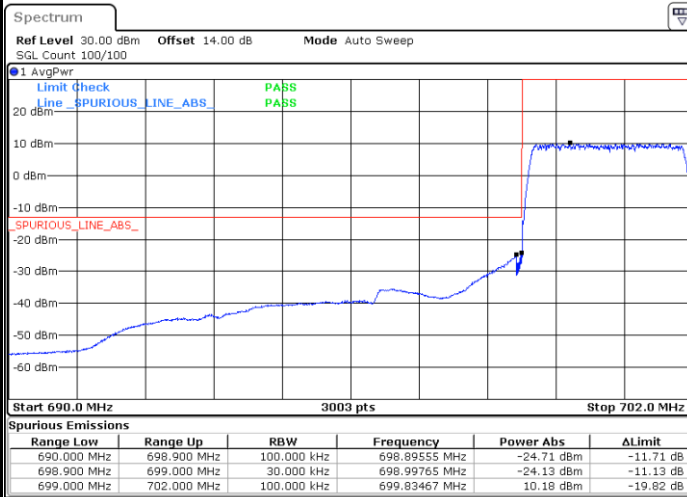
Date: 29.OCT.2022 18:23:27

Highest Band Edge / 1 RB



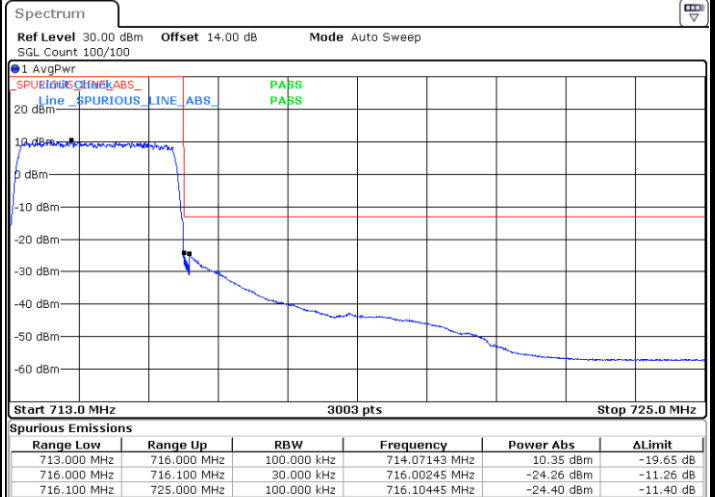
Date: 29.OCT.2022 18:38:08

Lowest Band Edge / Full RB



Date: 29.OCT.2022 18:18:33

Highest Band Edge / Full RB

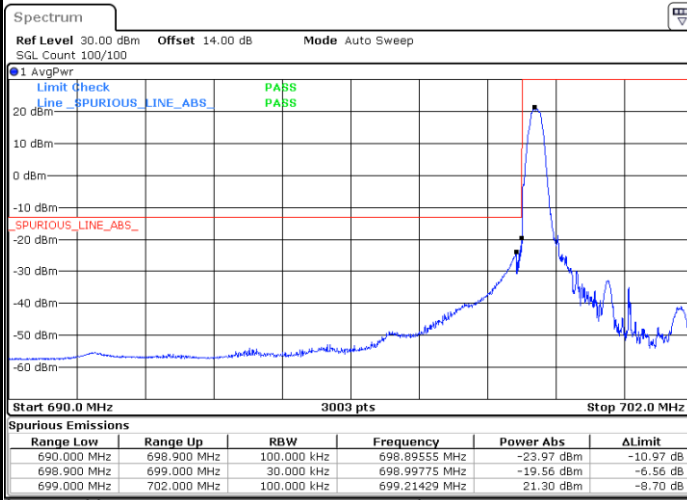


Date: 29.OCT.2022 18:33:14



LTE Band 12 / 3MHz / 16QAM

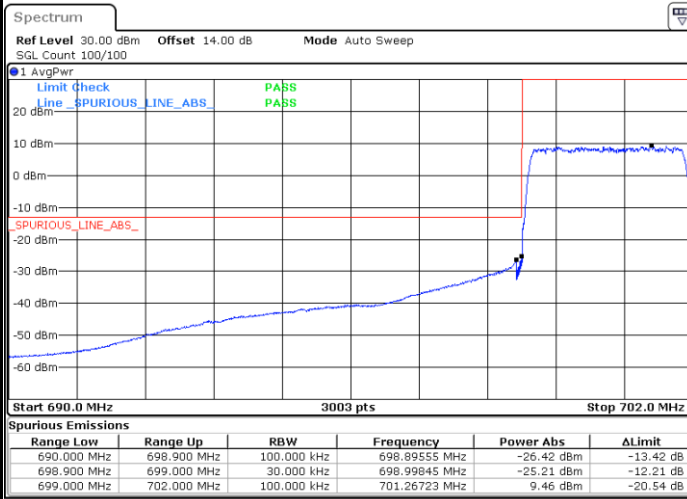
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



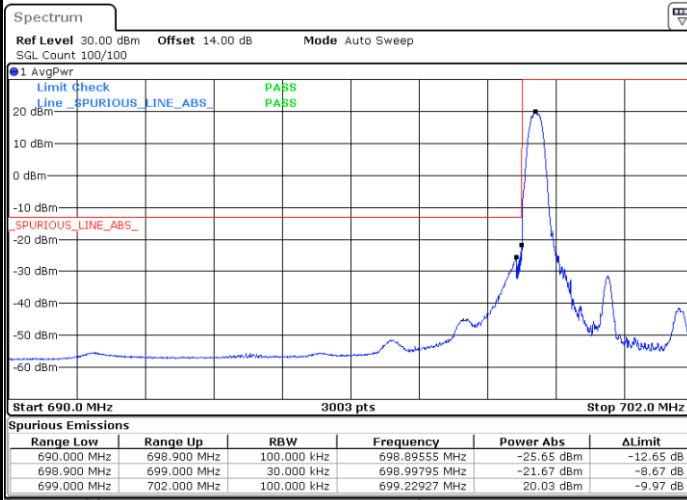
Highest Band Edge / Full RB





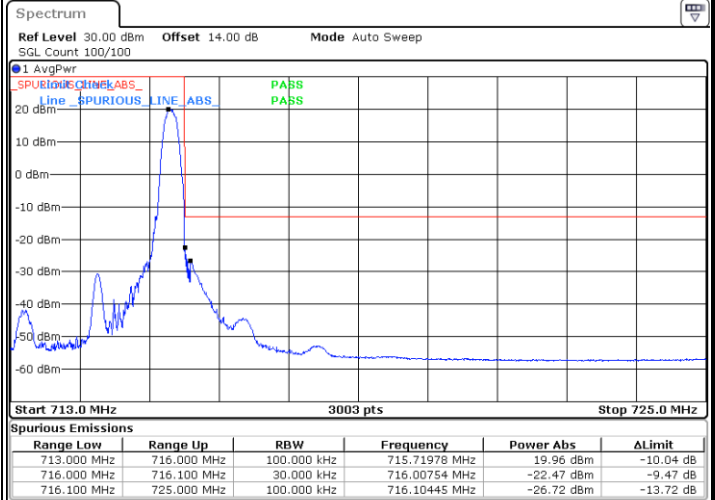
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



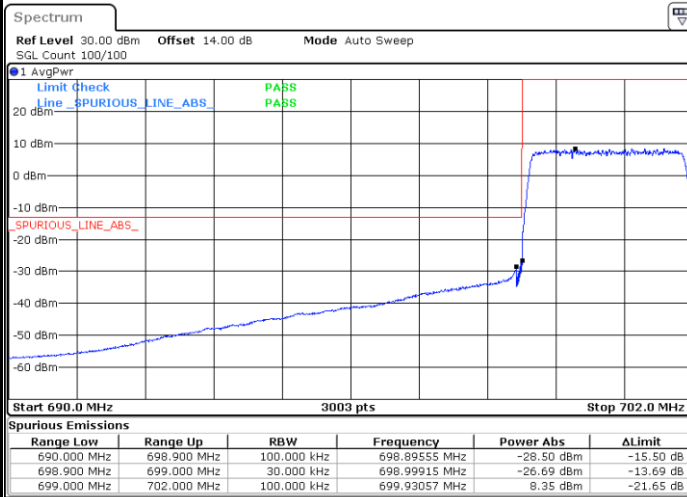
Date: 29.OCT.2022 18:44:40

Highest Band Edge / 1 RB



Date: 29.OCT.2022 18:51:42

Lowest Band Edge / Full RB



Date: 29.OCT.2022 18:43:02

Highest Band Edge / Full RB

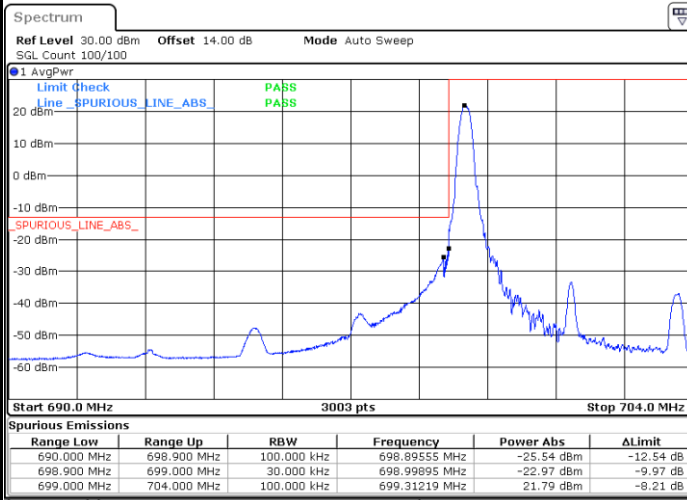


Date: 29.OCT.2022 18:50:03



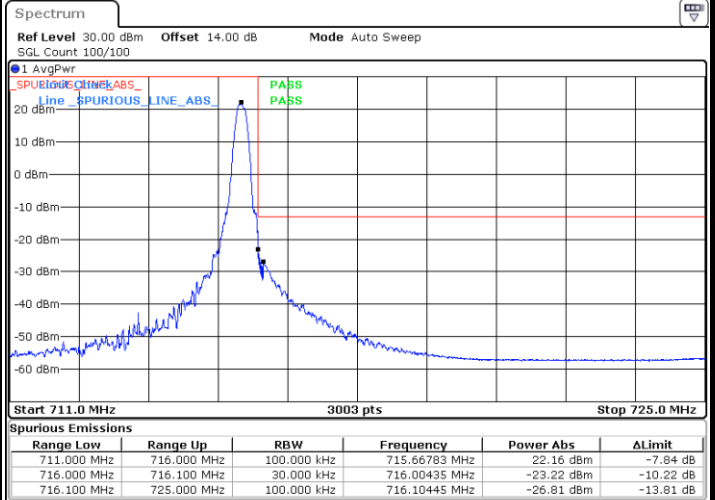
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



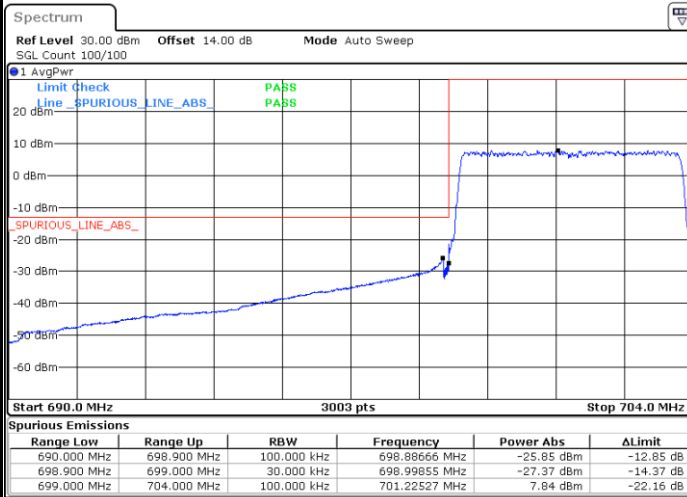
Date: 29.OCT.2022 19:13:05

Highest Band Edge / 1 RB



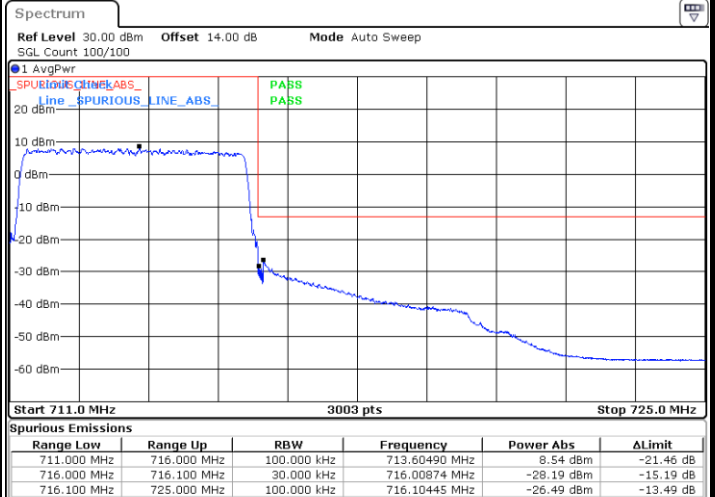
Date: 29.OCT.2022 19:26:08

Lowest Band Edge / Full RB



Date: 29.OCT.2022 19:08:12

Highest Band Edge / Full RB

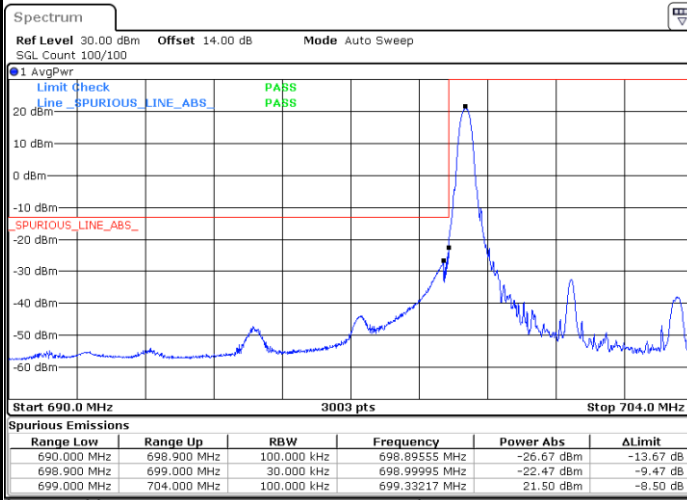


Date: 29.OCT.2022 19:22:52



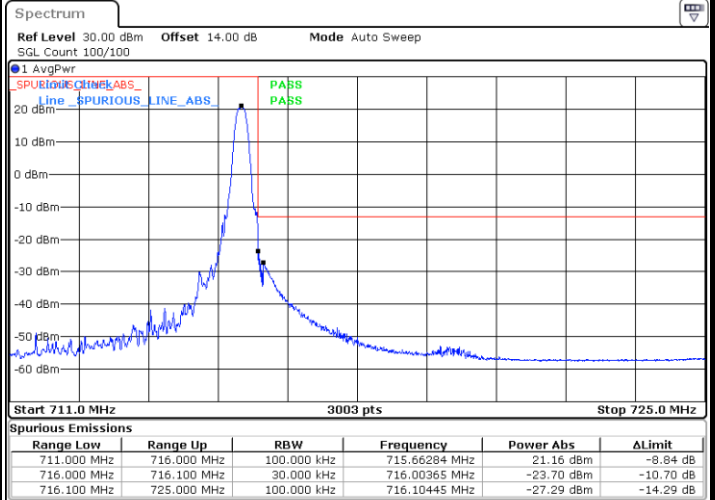
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



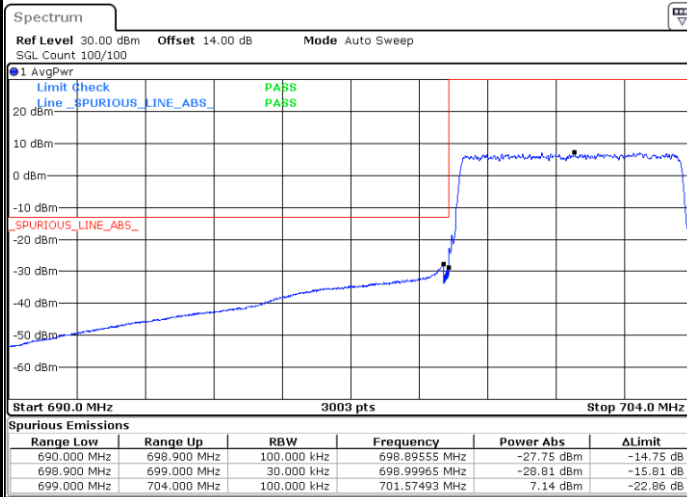
Date: 29.OCT.2022 19:11:28

Highest Band Edge / 1 RB



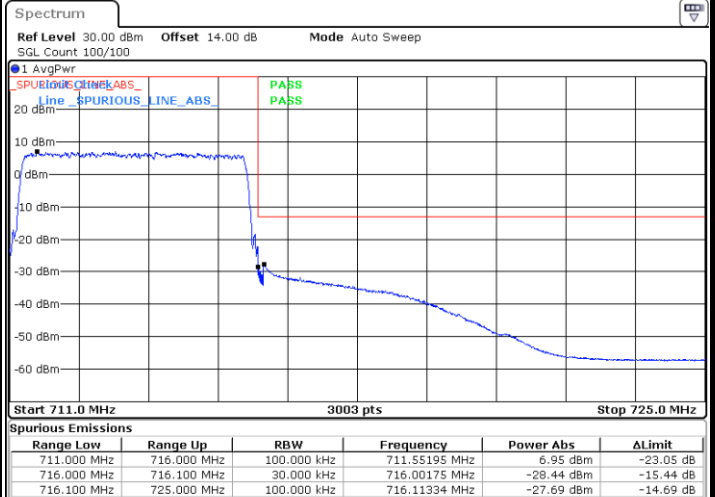
Date: 29.OCT.2022 19:27:46

Lowest Band Edge / Full RB



Date: 29.OCT.2022 19:09:50

Highest Band Edge / Full RB

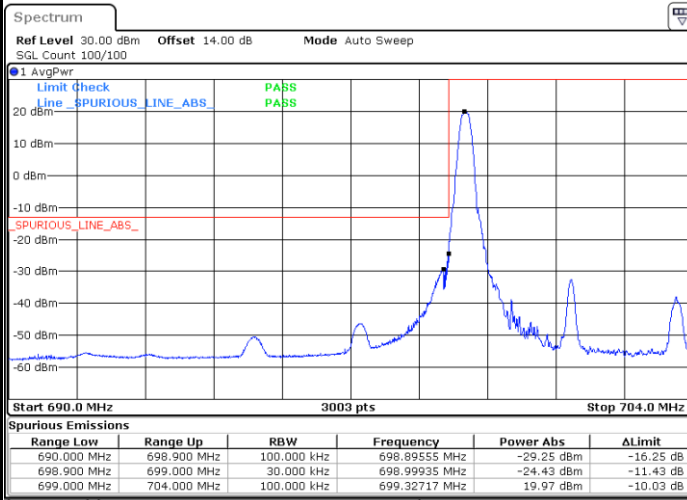


Date: 29.OCT.2022 19:24:30



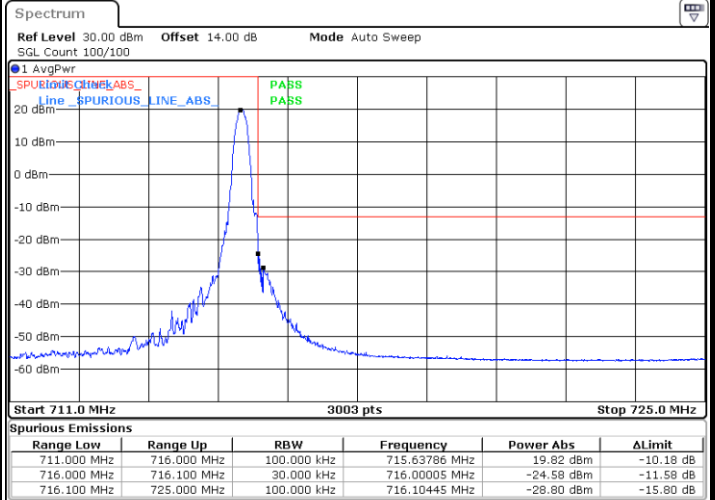
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



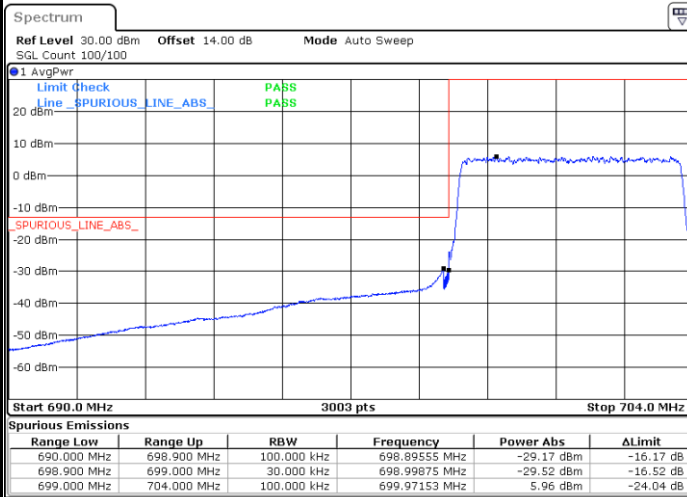
Date: 29.OCT.2022 18:56:50

Highest Band Edge / 1 RB



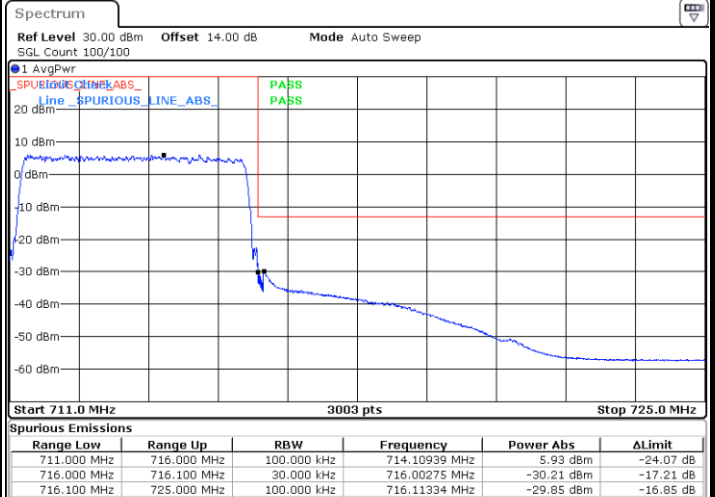
Date: 29.OCT.2022 19:03:52

Lowest Band Edge / Full RB



Date: 29.OCT.2022 18:55:13

Highest Band Edge / Full RB

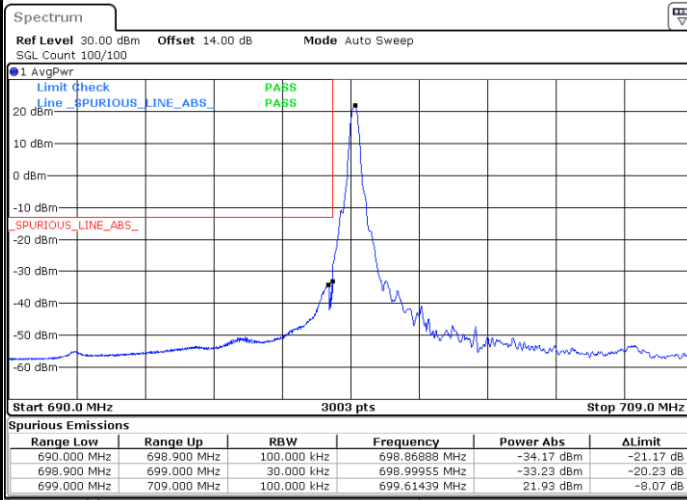


Date: 29.OCT.2022 19:02:14



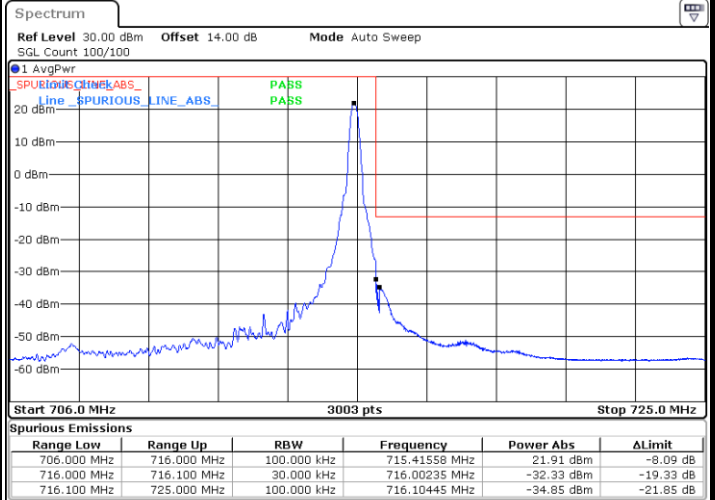
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



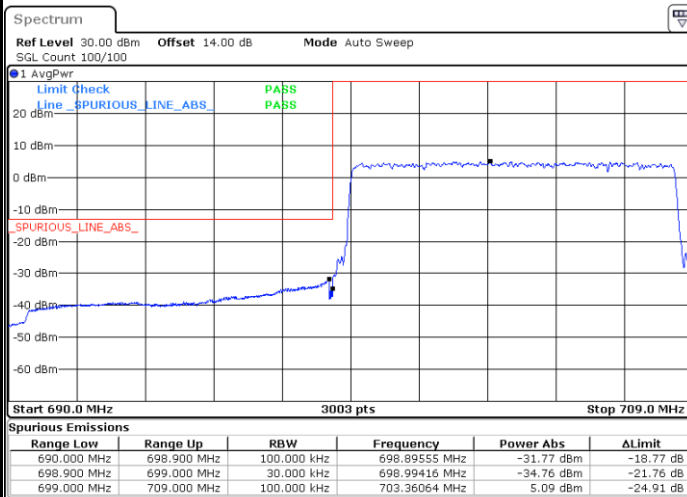
Date: 29.OCT.2022 19:38:24

Highest Band Edge / 1 RB



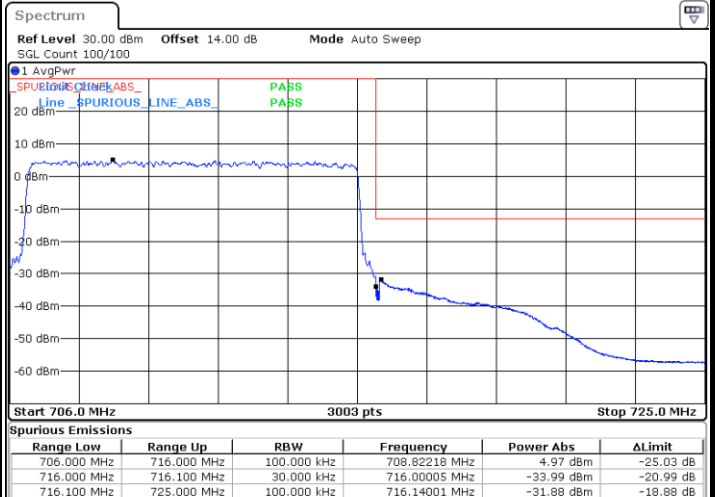
Date: 29.OCT.2022 19:53:05

Lowest Band Edge / Full RB



Date: 29.OCT.2022 19:33:31

Highest Band Edge / Full RB

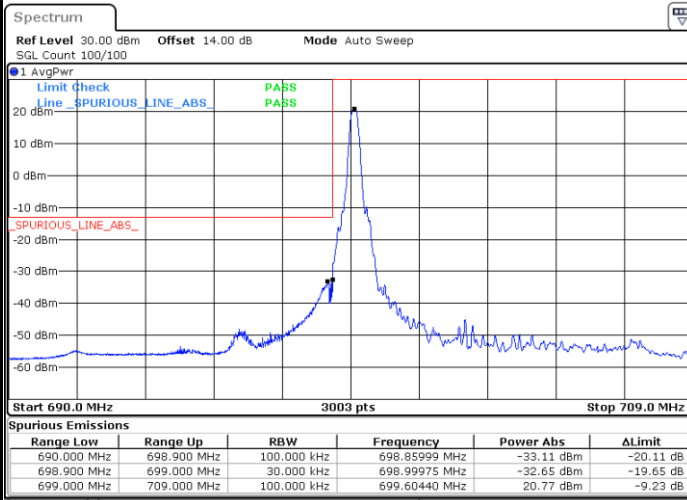


Date: 29.OCT.2022 19:48:12



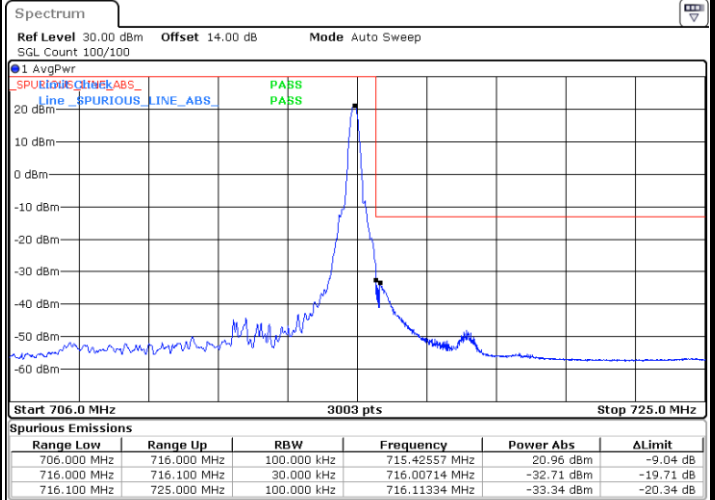
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



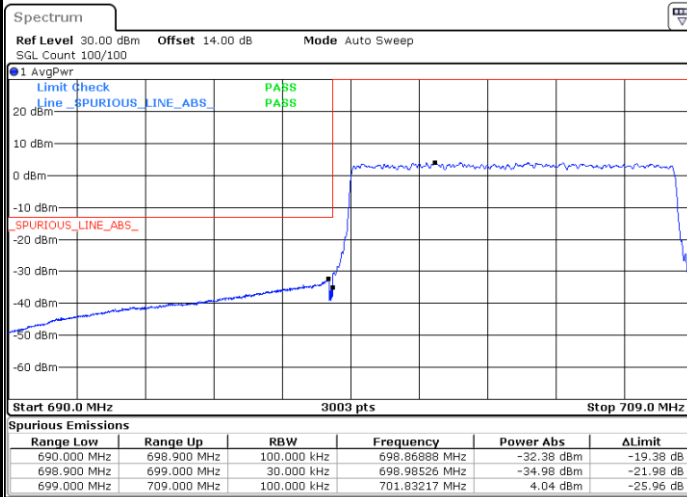
Date: 29.OCT.2022 19:36:46

Highest Band Edge / 1 RB



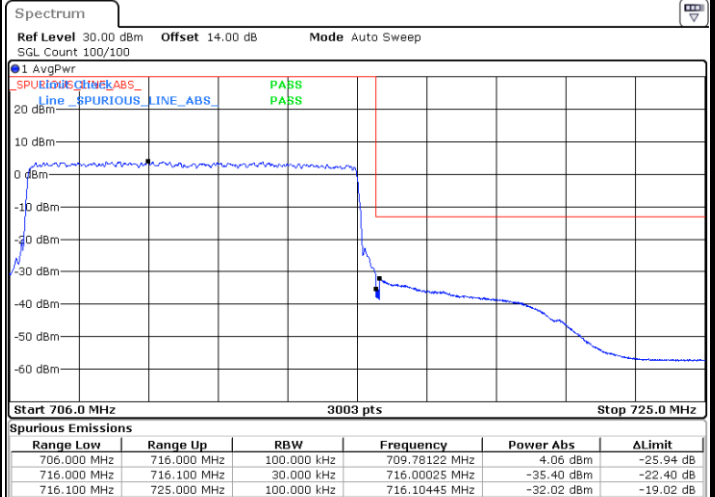
Date: 29.OCT.2022 19:51:28

Lowest Band Edge / Full RB



Date: 29.OCT.2022 19:35:08

Highest Band Edge / Full RB

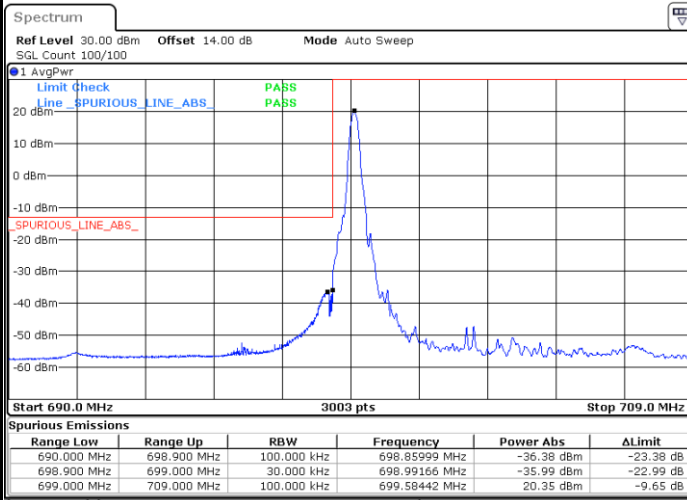


Date: 29.OCT.2022 19:49:50



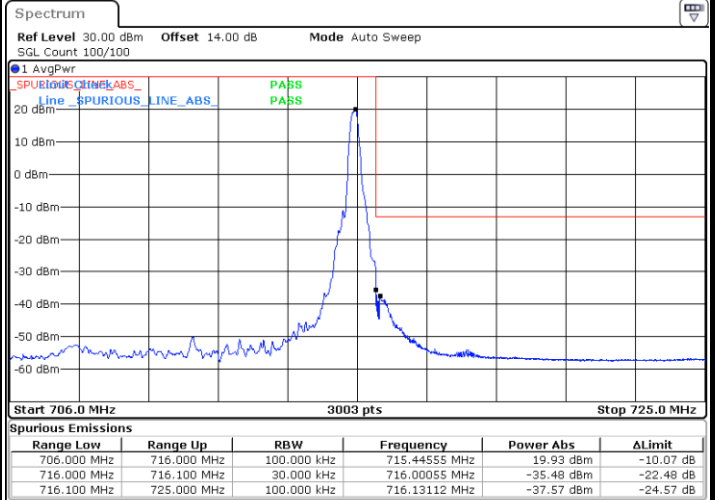
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



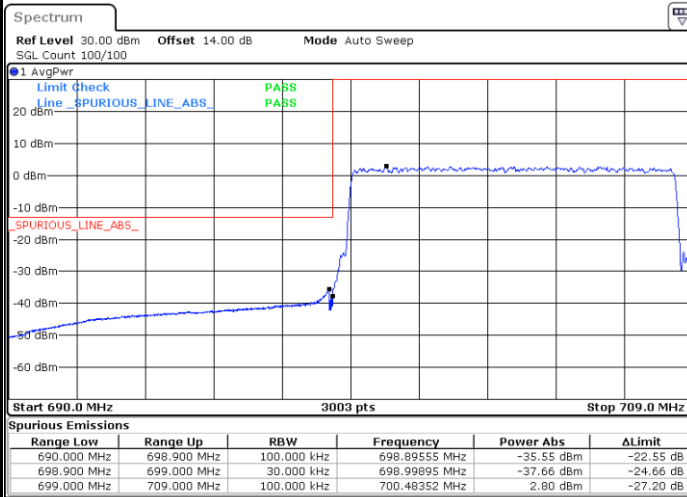
Date: 29.OCT.2022 19:59:37

Highest Band Edge / 1 RB



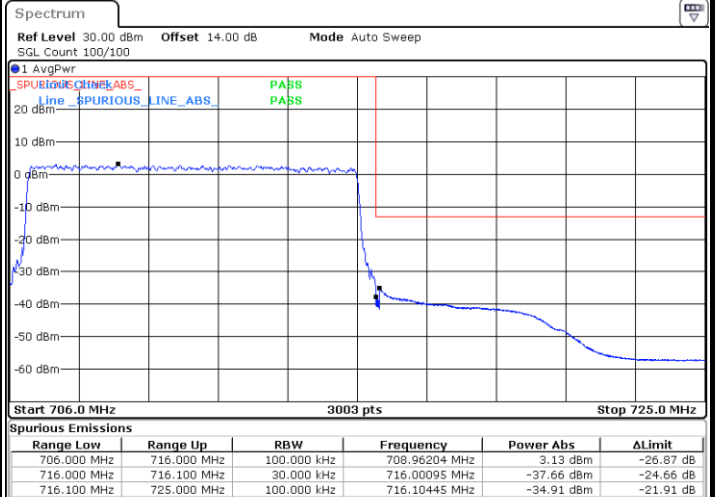
Date: 29.OCT.2022 20:06:39

Lowest Band Edge / Full RB



Date: 29.OCT.2022 19:57:59

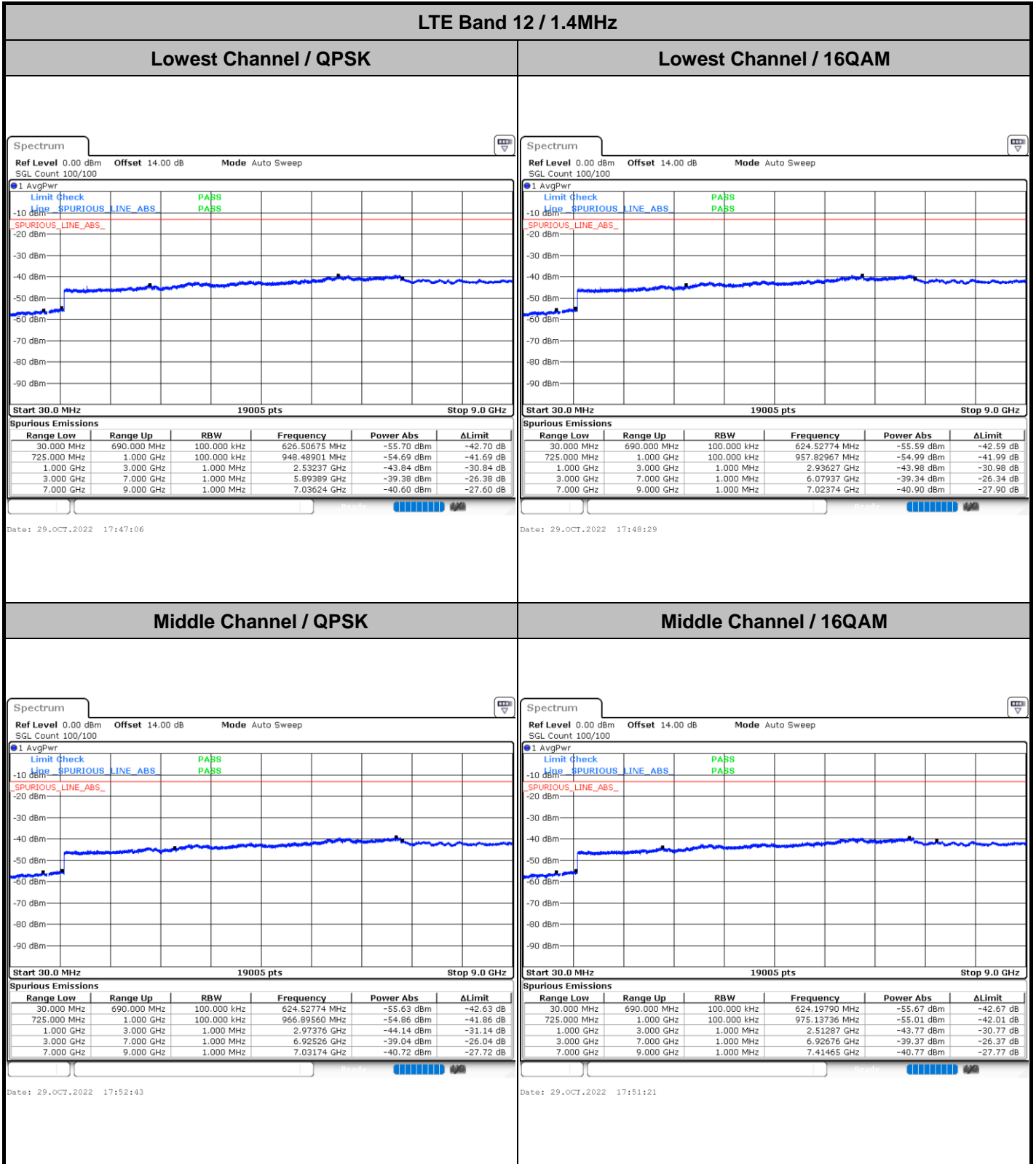
Highest Band Edge / Full RB



Date: 29.OCT.2022 20:05:01



Conducted Spurious Emission

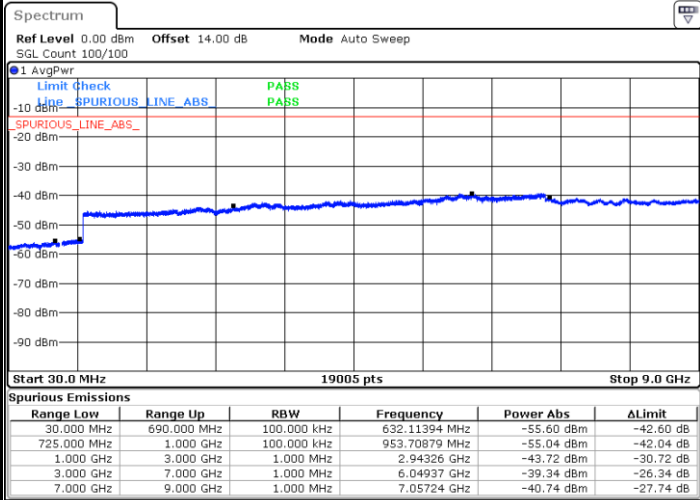




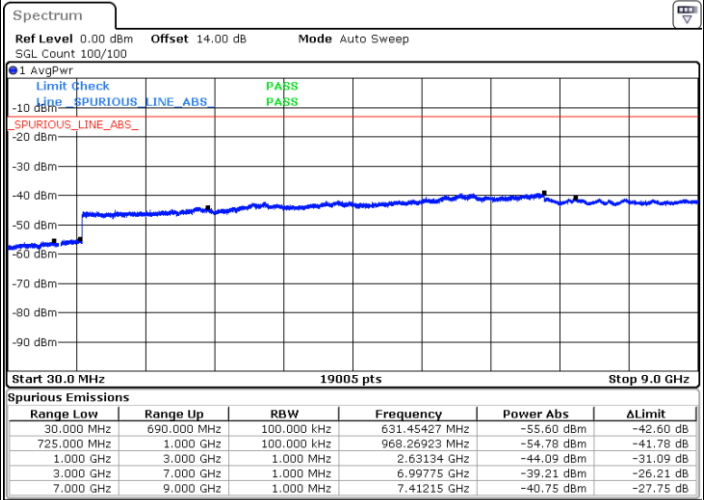
LTE Band 12 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29.OCT.2022 18:01:58

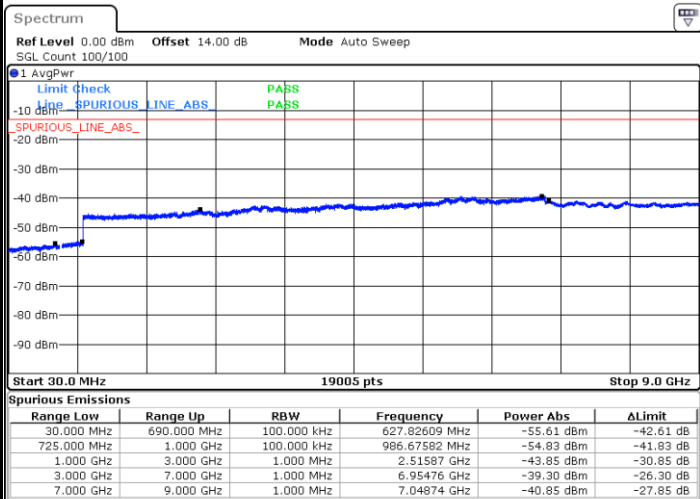


Date: 29.OCT.2022 18:03:21

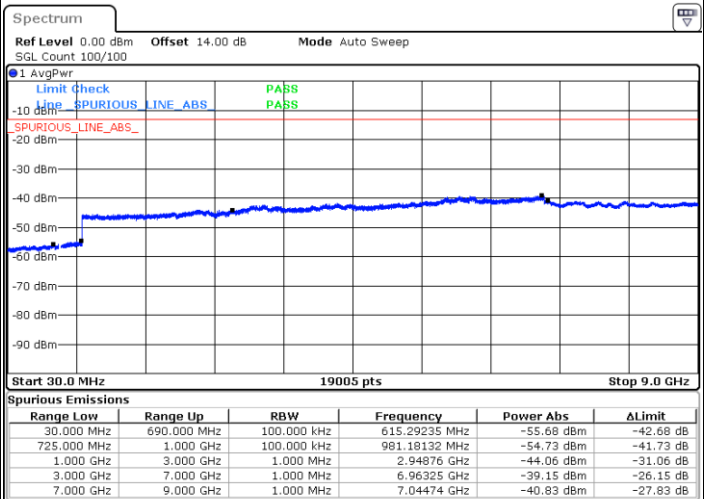
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 29.OCT.2022 18:24:40



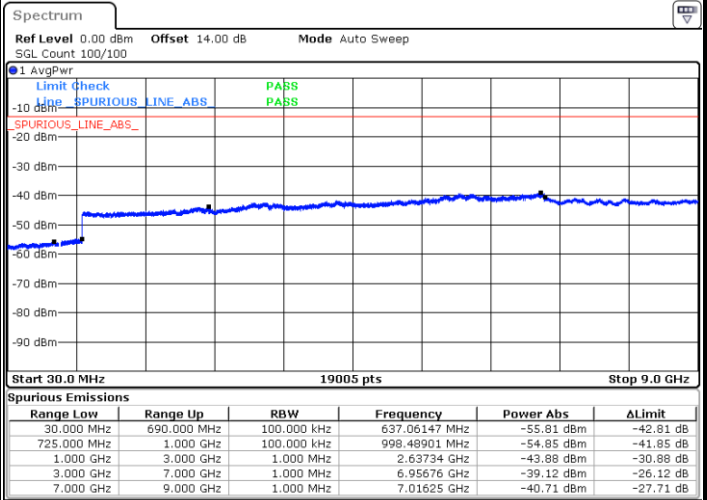
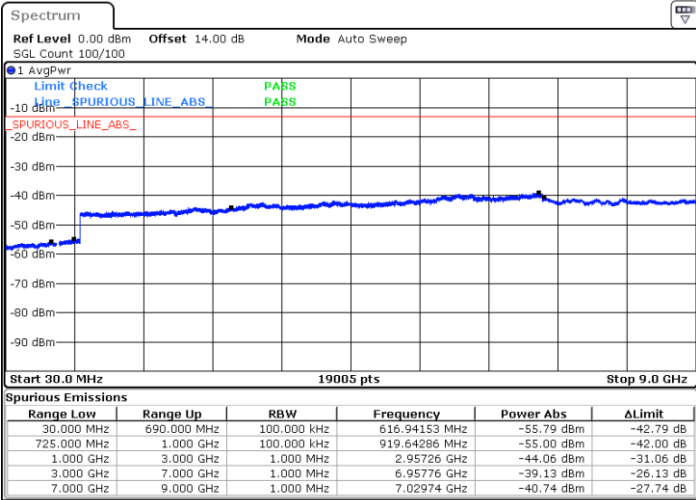
Date: 29.OCT.2022 18:26:03



LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

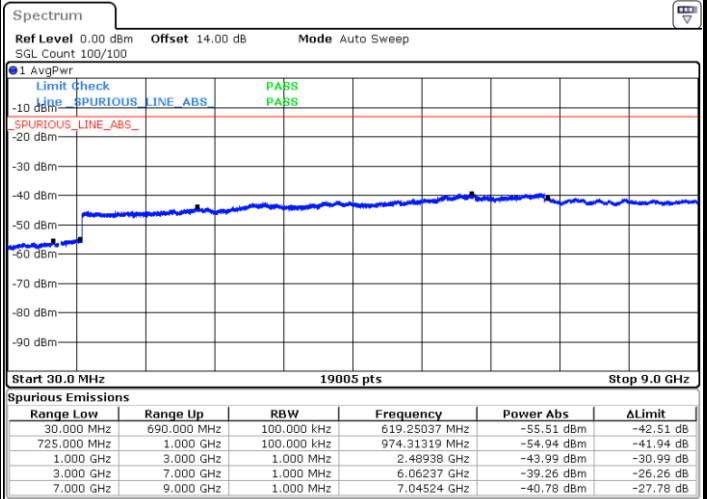
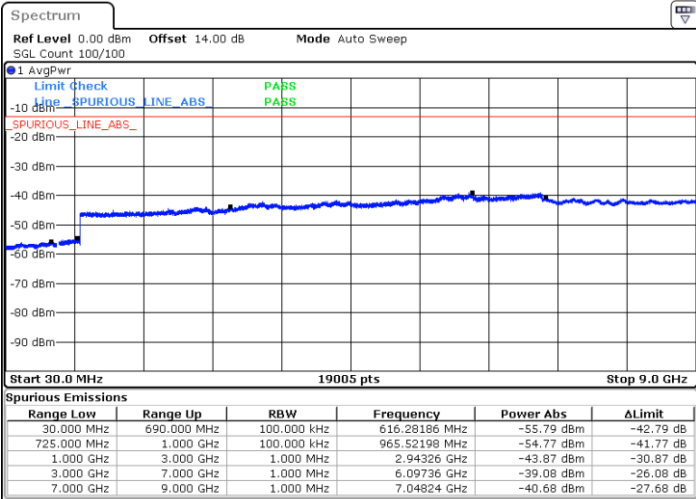


Date: 29.OCT.2022 18:30:17

Date: 29.OCT.2022 18:28:54

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29.OCT.2022 18:39:31

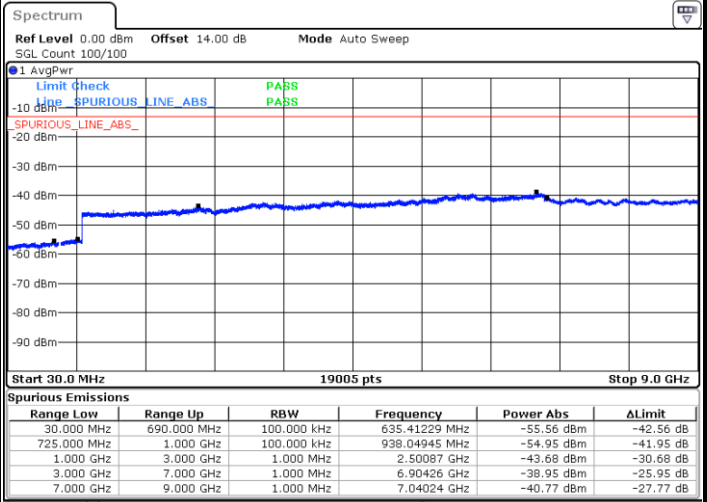
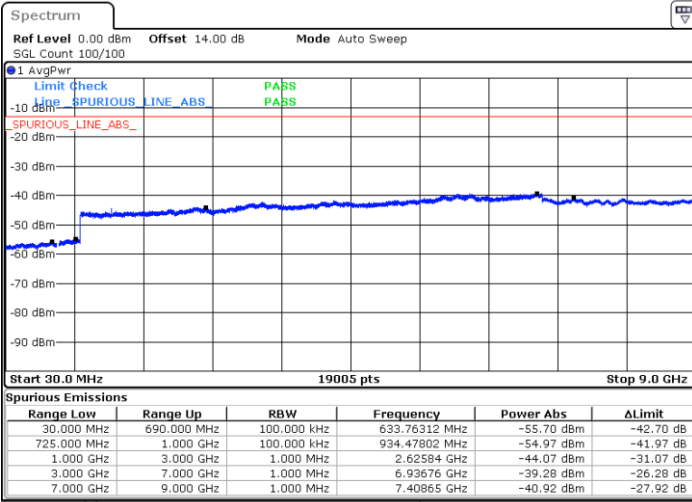
Date: 29.OCT.2022 18:40:54



LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

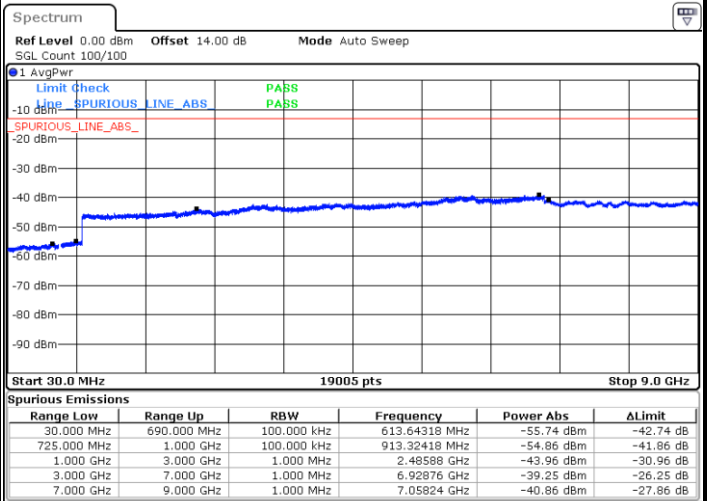
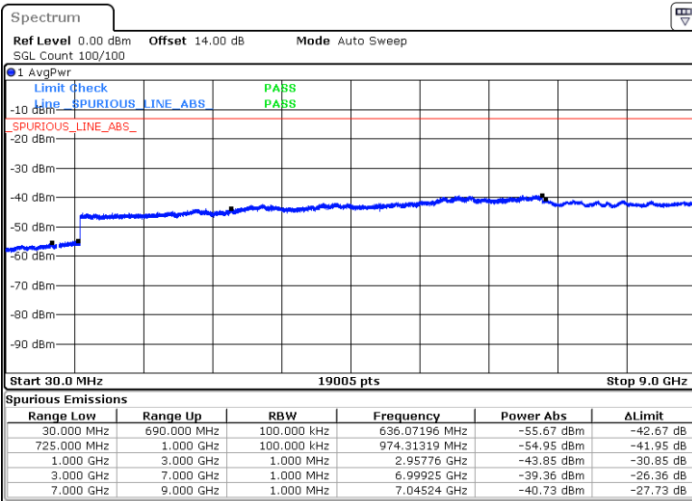


Date: 29.OCT.2022 19:14:18

Date: 29.OCT.2022 19:15:41

Middle Channel / QPSK

Middle Channel / 16QAM



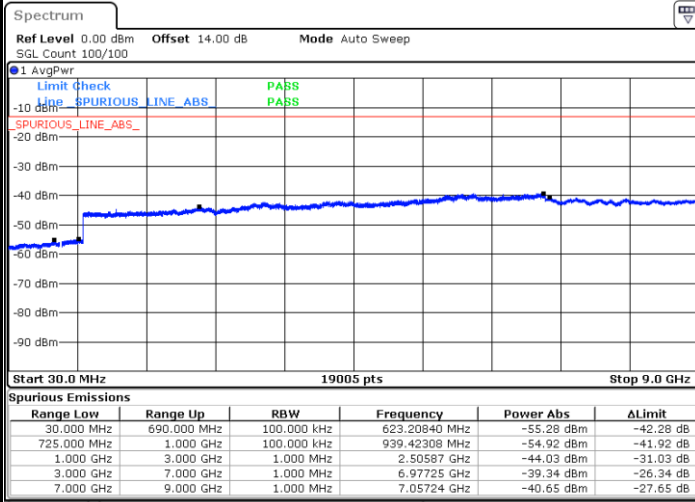
Date: 29.OCT.2022 19:19:55

Date: 29.OCT.2022 19:18:32



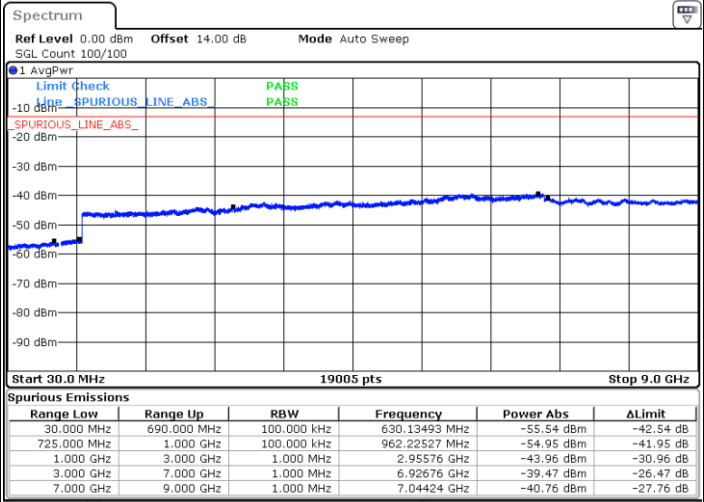
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 29.OCT.2022 19:30:32

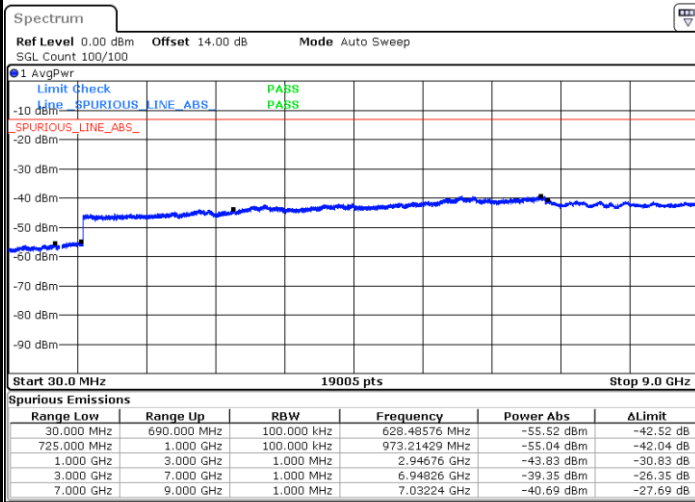
Highest Channel / 16QAM



Date: 29.OCT.2022 19:29:09

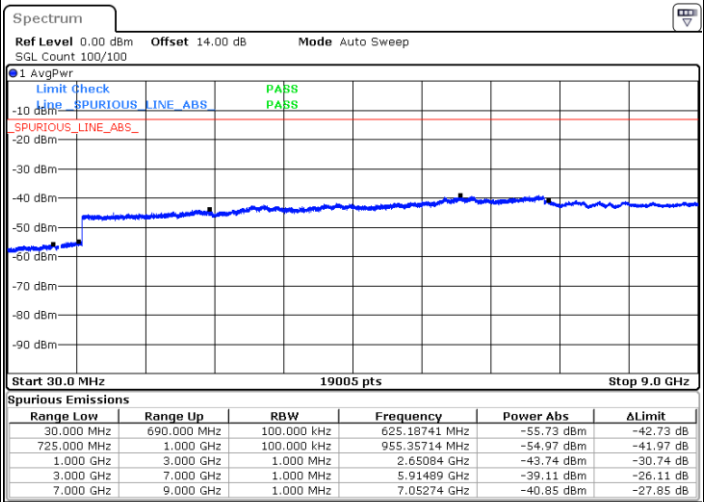
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 29.OCT.2022 19:39:37

Lowest Channel / 16QAM



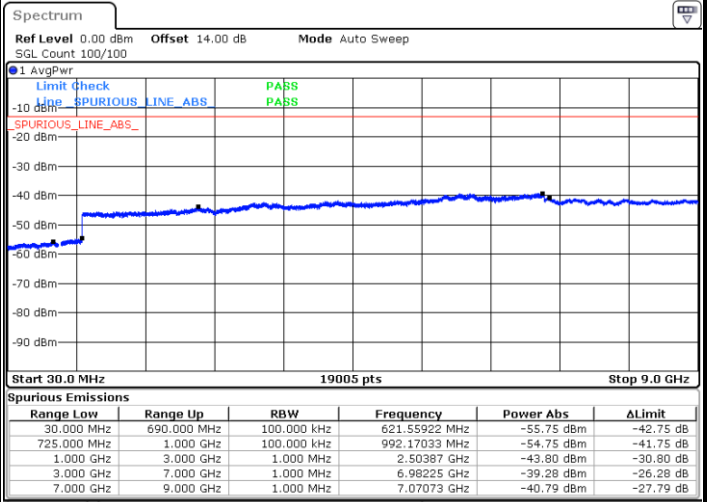
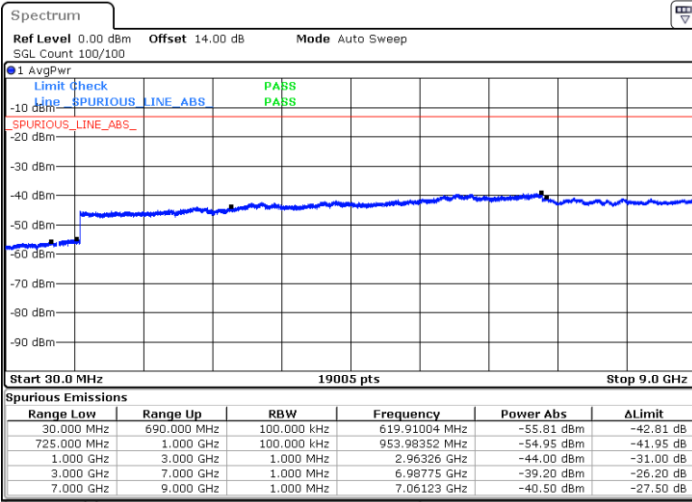
Date: 29.OCT.2022 19:41:00



LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

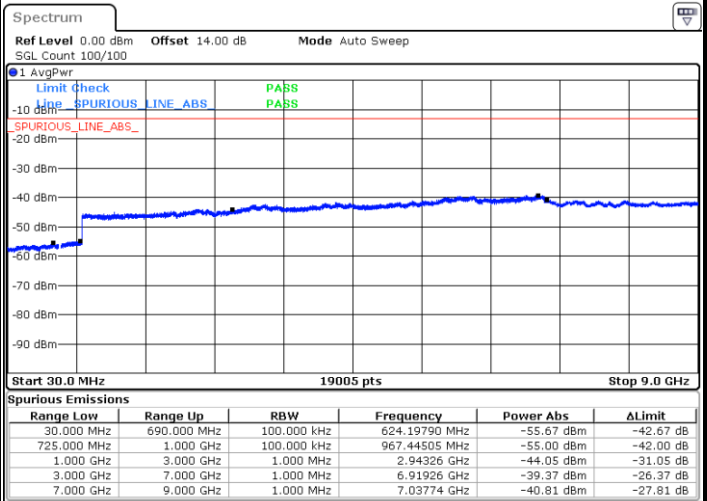
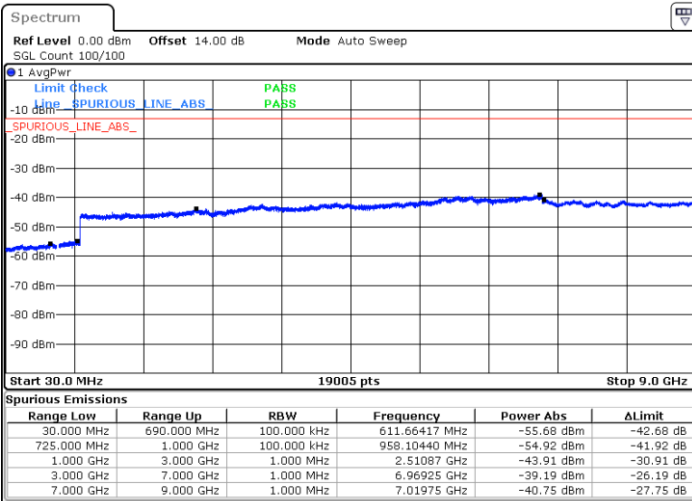


Date: 29.OCT.2022 19:45:14

Date: 29.OCT.2022 19:43:51

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29.OCT.2022 19:54:28

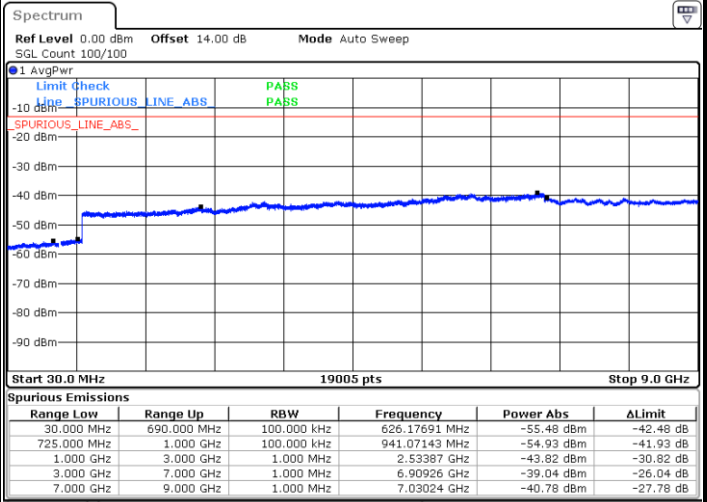
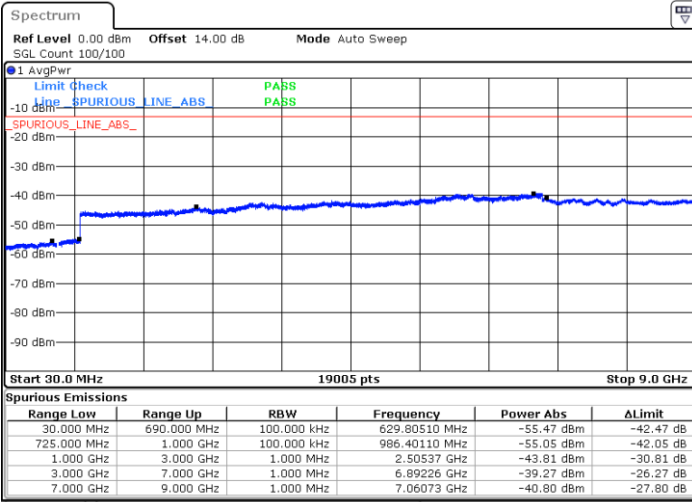
Date: 29.OCT.2022 19:55:51



LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

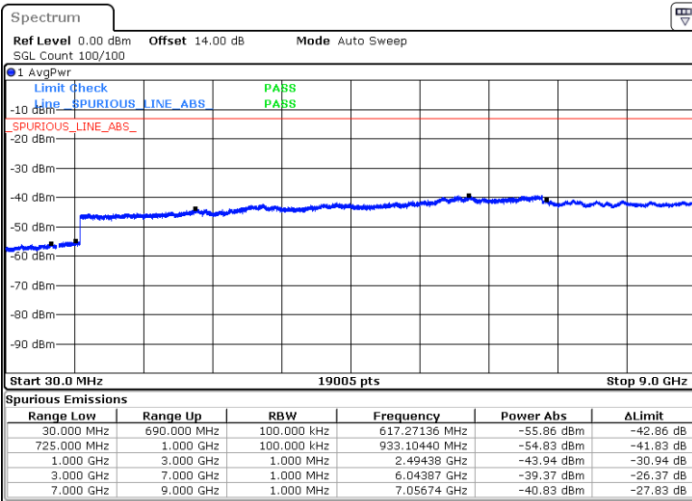


Date: 29.OCT.2022 18:08:21

Date: 29.OCT.2022 18:10:26

Highest Channel / 64QAM

NA



NA

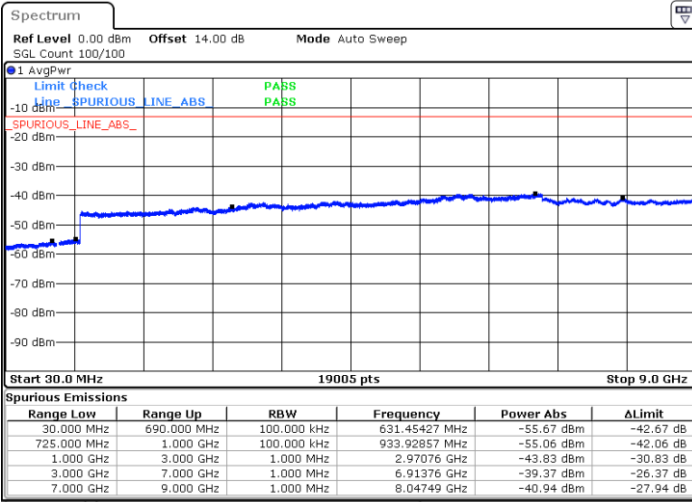
Date: 29.OCT.2022 18:15:35



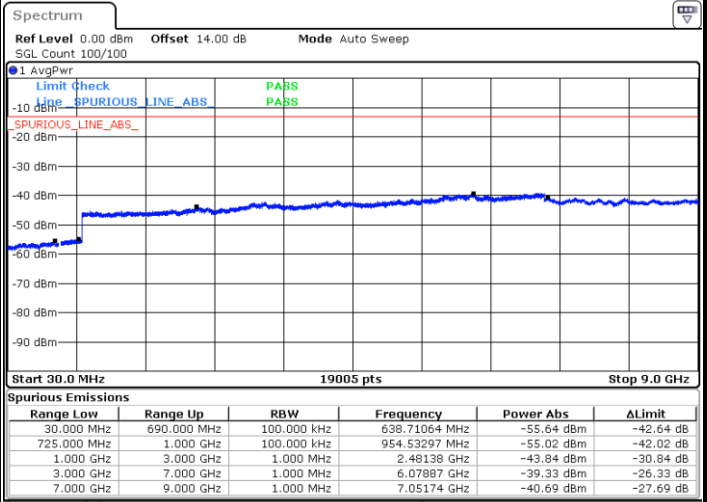
LTE Band 12 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



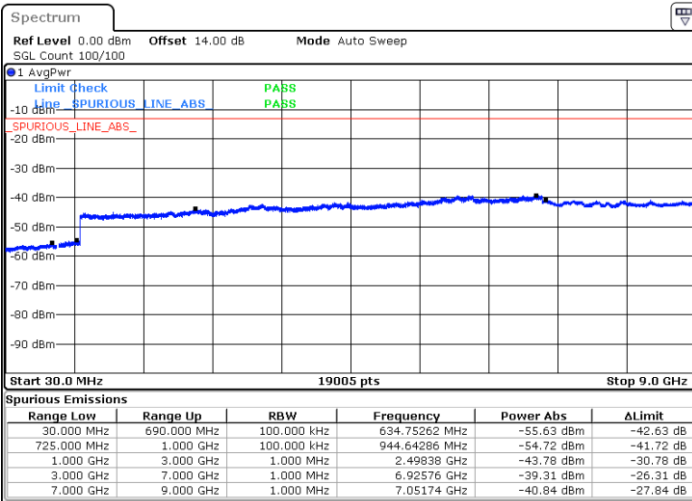
Date: 29.OCT.2022 18:45:53



Date: 29.OCT.2022 18:47:55

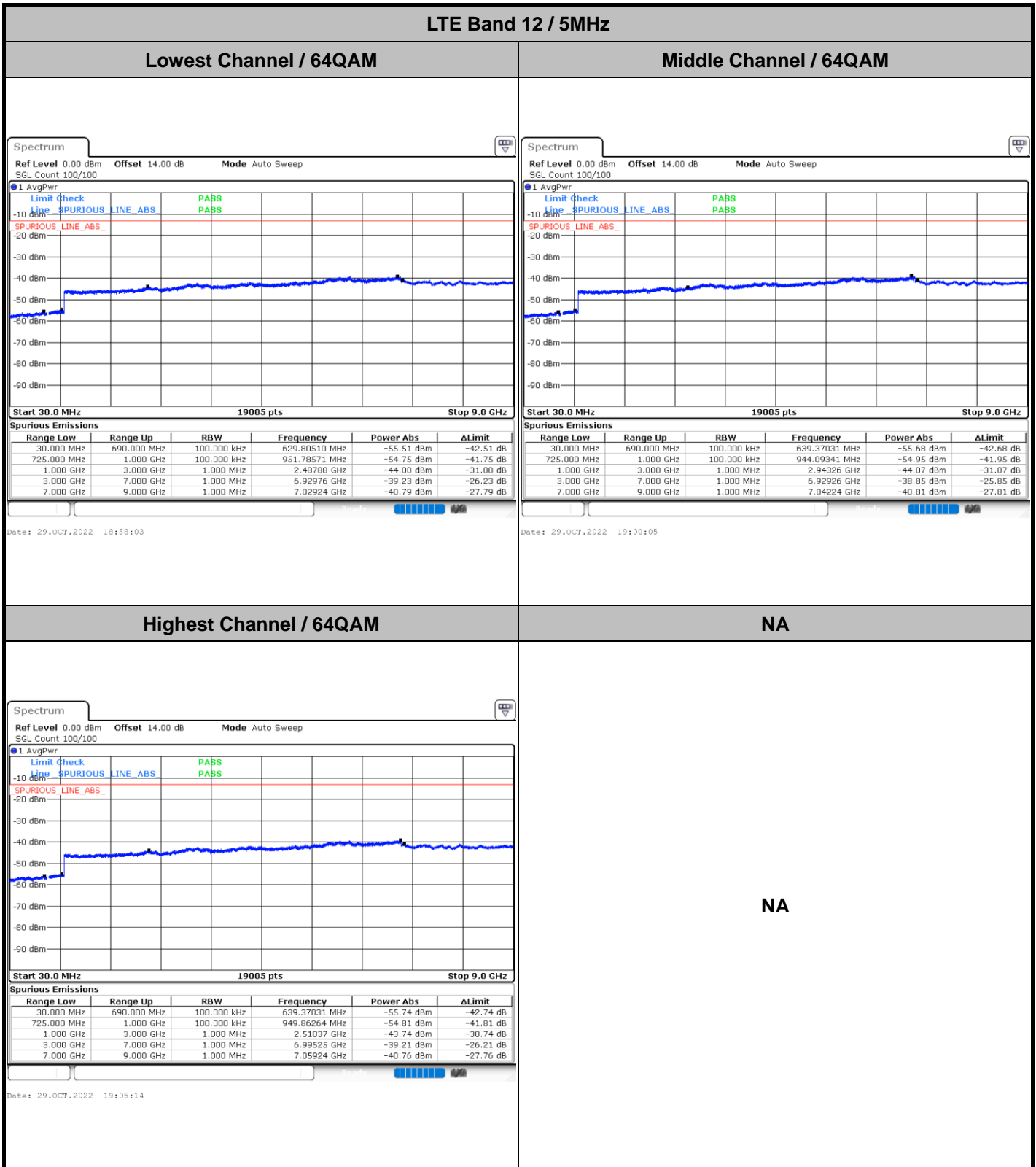
Highest Channel / 64QAM

NA



Date: 29.OCT.2022 18:53:04

NA

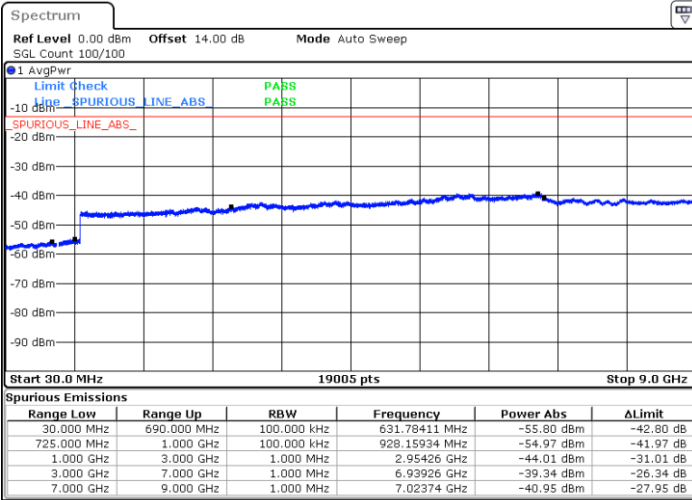




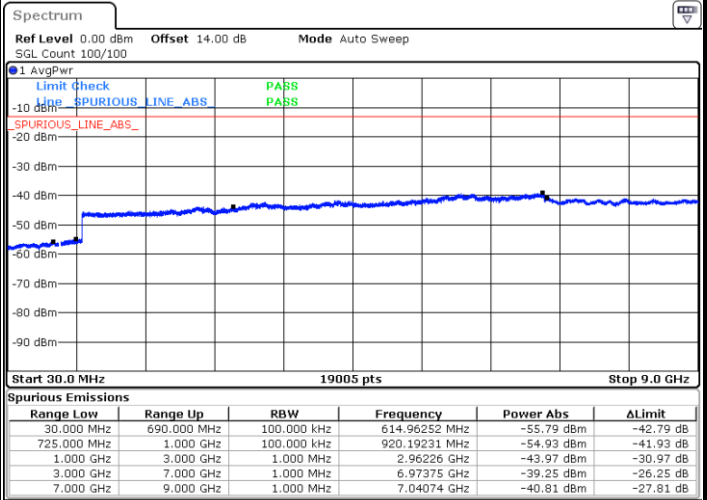
LTE Band 12 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



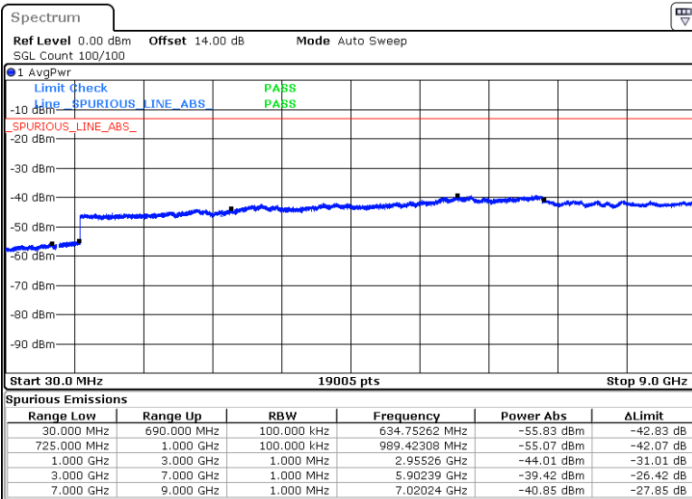
Date: 29.OCT.2022 20:00:50



Date: 29.OCT.2022 20:02:53

Highest Channel / 64QAM

NA



Date: 29.OCT.2022 20:08:02

NA



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	0.0008	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =7.78 V. ; Battery End Point (BEP) =6.6 V. ; Maximum Voltage =8.96 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

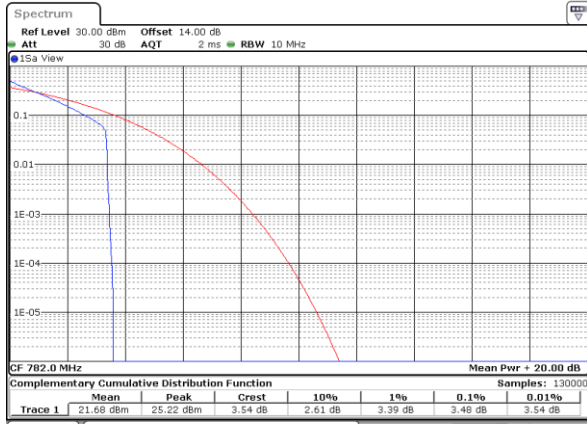
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.48	4.52	4.46	5.54	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.33	6.23	-	-	
Highest CH	-	-	-	-	



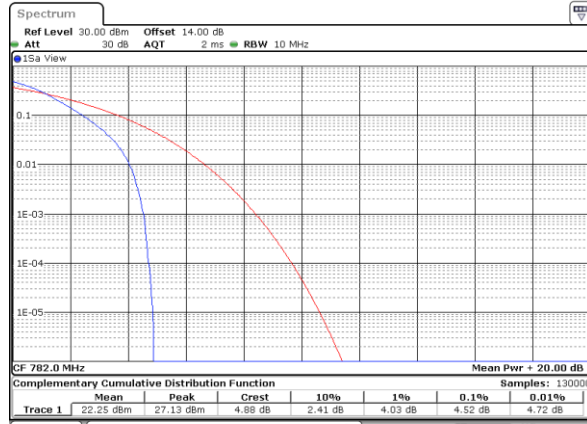
LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB



Date: 29_OCT_2022 21:21:11

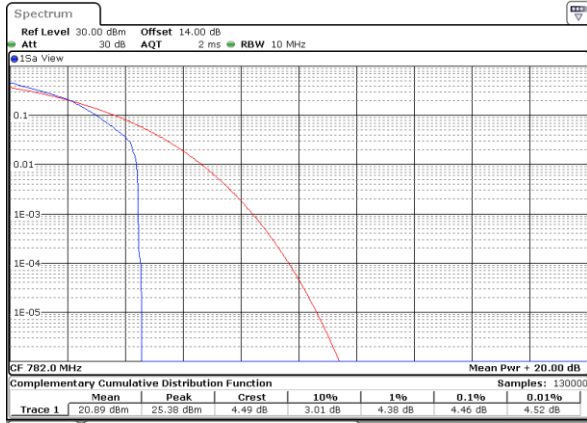
Middle Channel / Full RB



Date: 29_OCT_2022 21:21:36

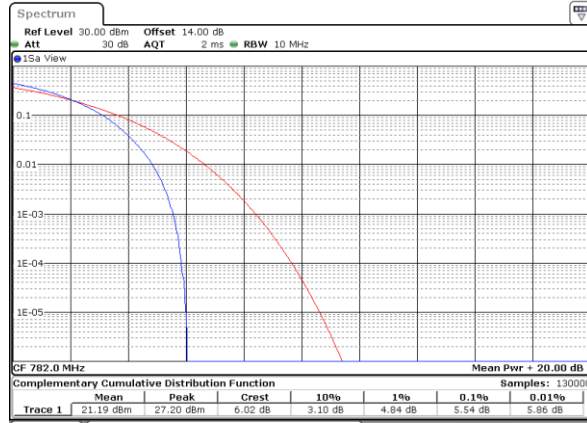
LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB



Date: 29_OCT_2022 21:20:20

Middle Channel / Full RB



Date: 29_OCT_2022 21:20:45

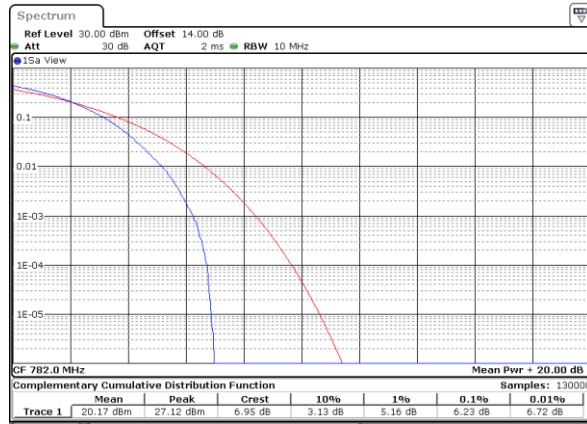
LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Date: 29_OCT_2022 21:19:28

Middle Channel / Full RB



Date: 29_OCT_2022 21:19:54



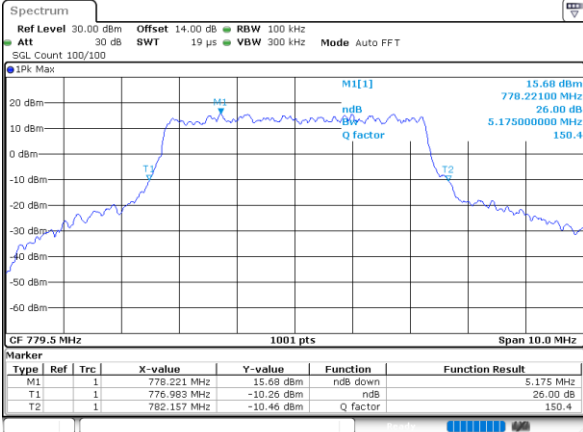
26dB Bandwidth

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	-	-	-	-	5.18	4.96	-	-	-	-	-	-
Middle CH	-	-	-	-	4.99	5.06	9.79	9.95	-	-	-	-
Highest CH	-	-	-	-	5.00	4.95	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	5.06	-	-	-	-	-	-	-
Middle CH	-	-	-	-	5.02	-	9.89	-	-	-	-	-
Highest CH	-	-	-	-	5.19	-	-	-	-	-	-	-



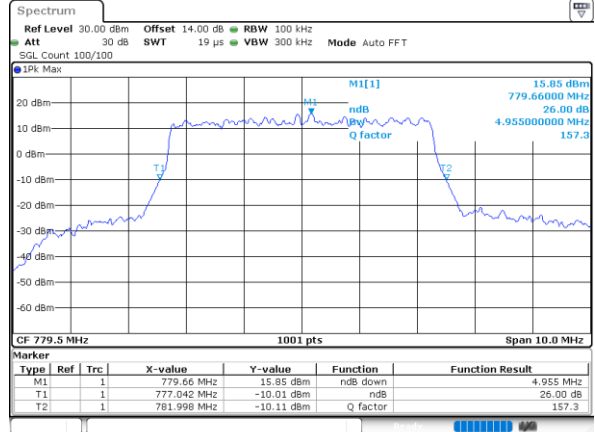
LTE Band 13

Lowest Channel / 5MHz / QPSK



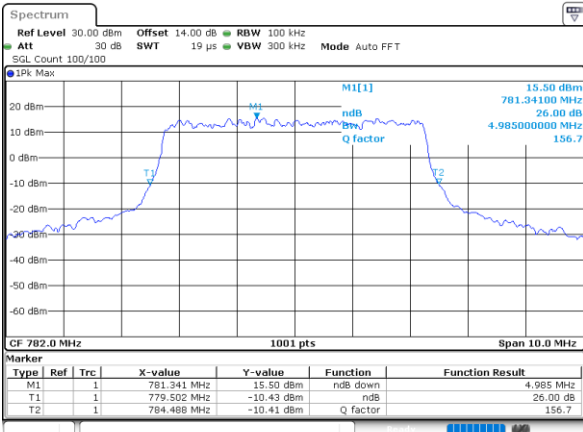
Date: 29.OCT.2022 20:17:21

Lowest Channel / 5MHz / 16QAM



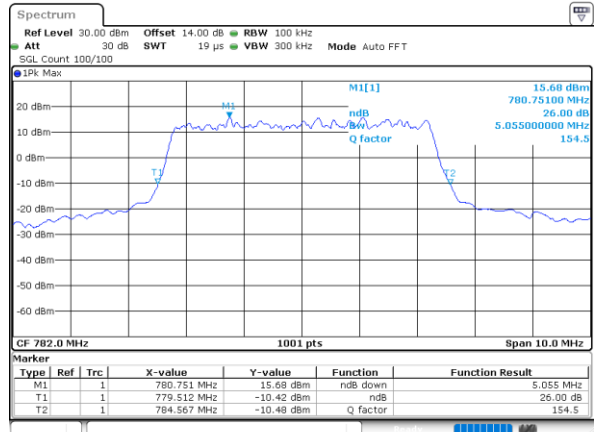
Date: 29.OCT.2022 20:16:56

Middle Channel / 5MHz / QPSK



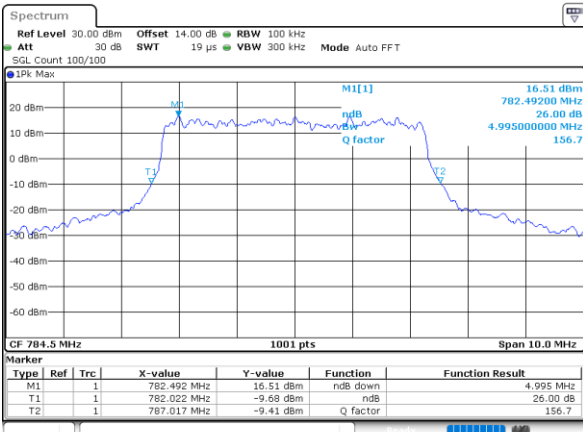
Date: 29.OCT.2022 20:30:31

Middle Channel / 5MHz / 16QAM



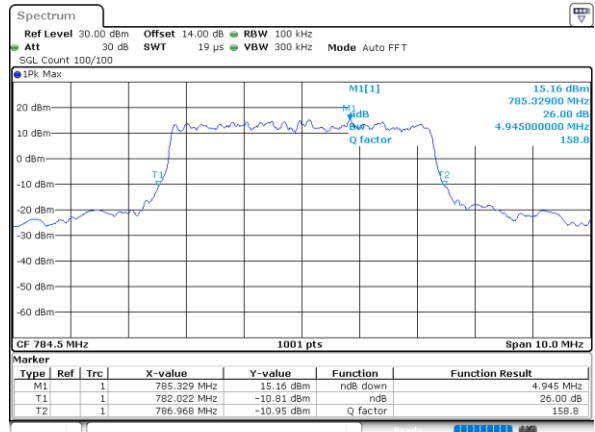
Date: 29.OCT.2022 20:30:56

Highest Channel / 5MHz / QPSK



Date: 29.OCT.2022 20:33:04

Highest Channel / 5MHz / 16QAM

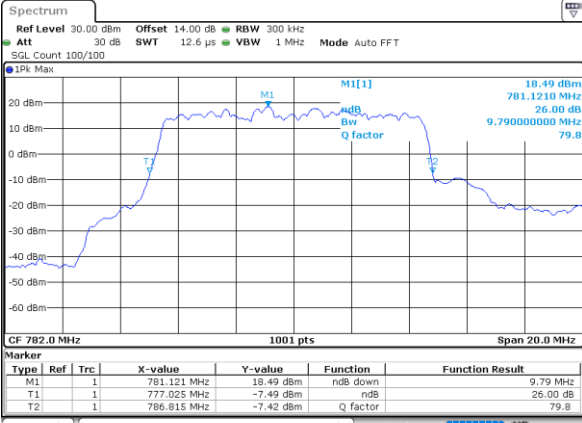


Date: 29.OCT.2022 20:32:40



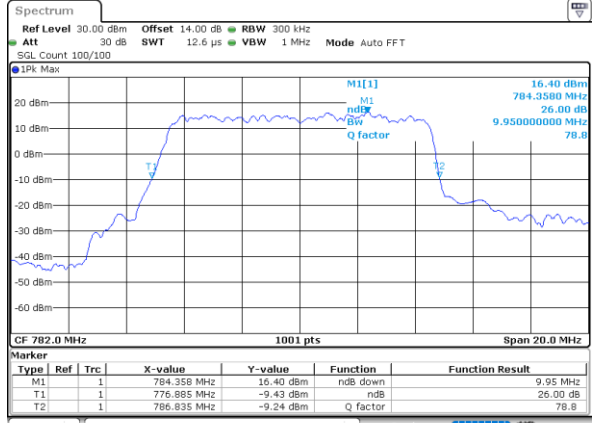
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 29_OCT_2022 20:57:52

Middle Channel / 10MHz / 16QAM



Date: 29_OCT_2022 20:57:28