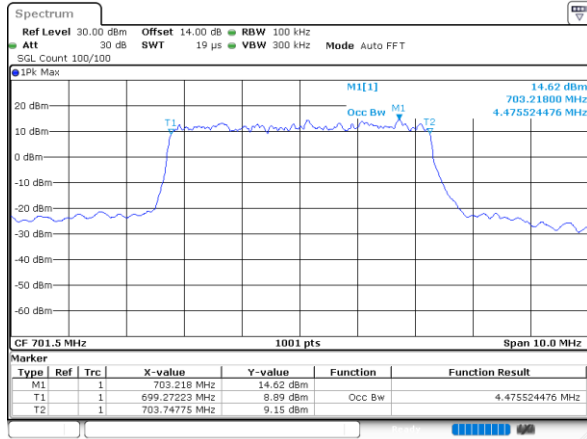


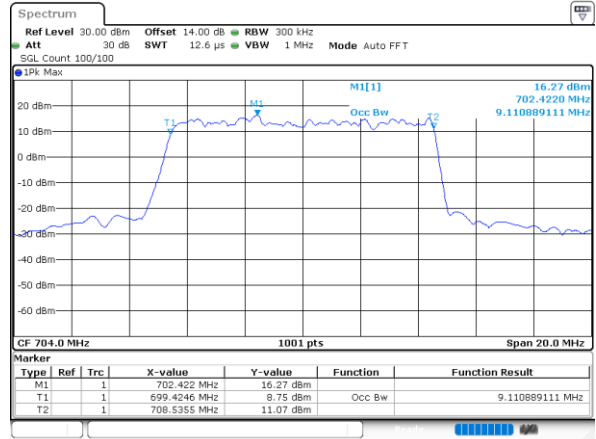


LTE Band 12

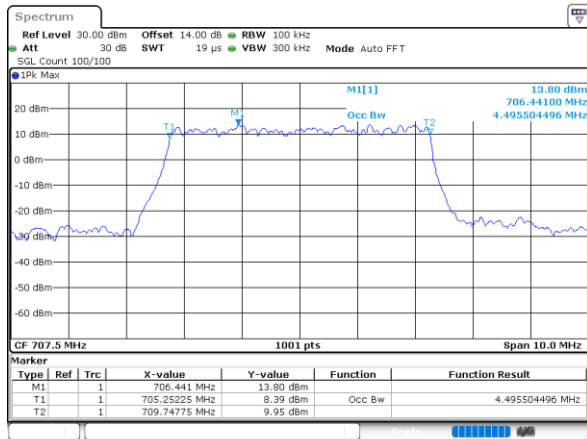
Lowest Channel / 5MHz / 64QAM



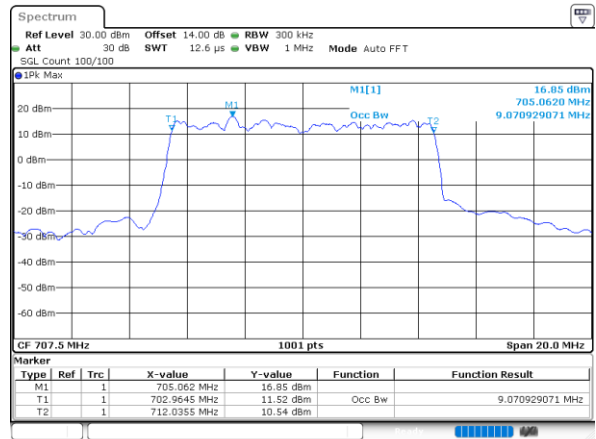
Lowest Channel / 10MHz / 64QAM



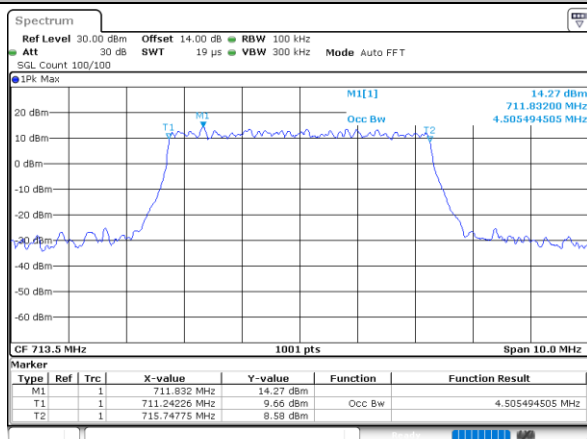
Middle Channel / 5MHz / 64QAM



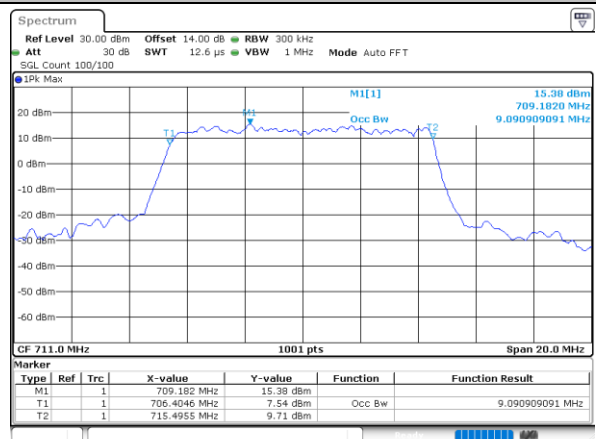
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

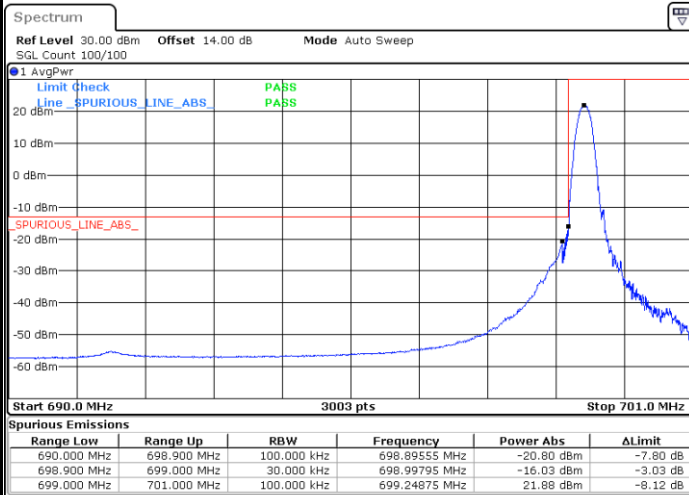




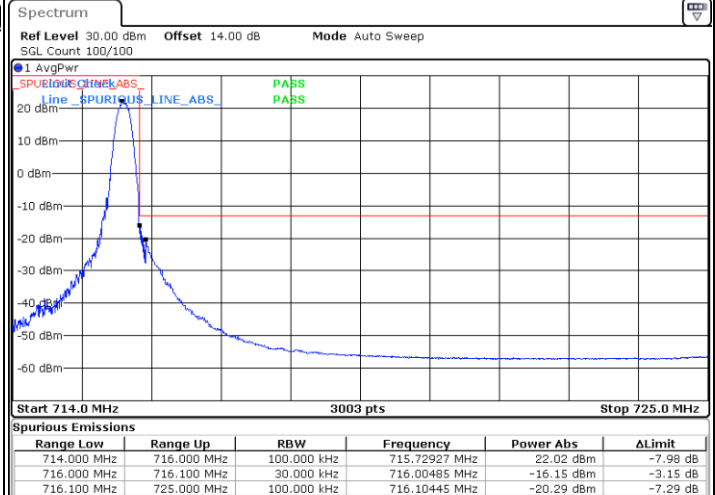
Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

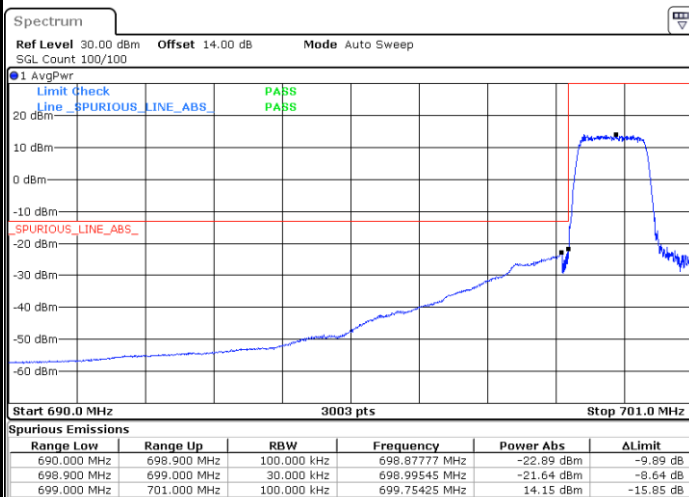
Lowest Band Edge / 1 RB



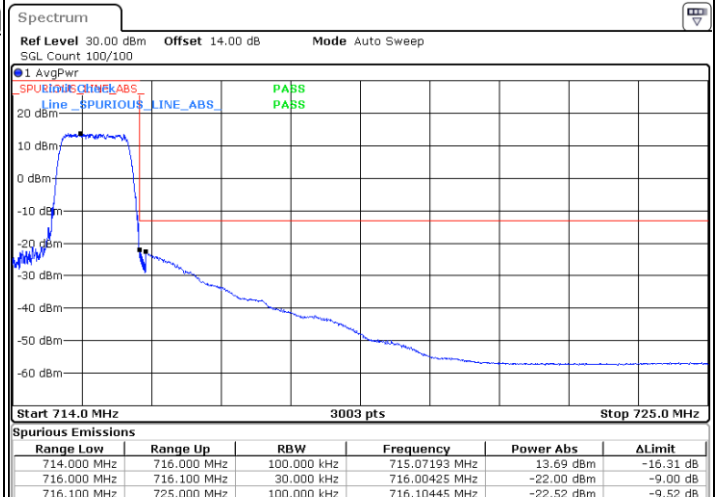
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



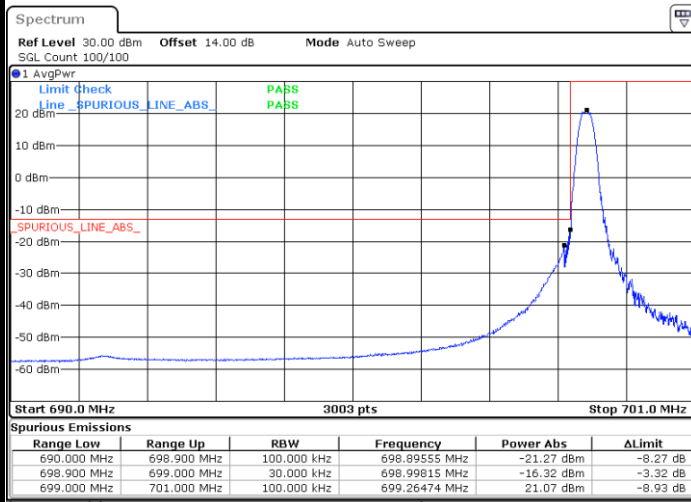
Highest Band Edge / Full RB





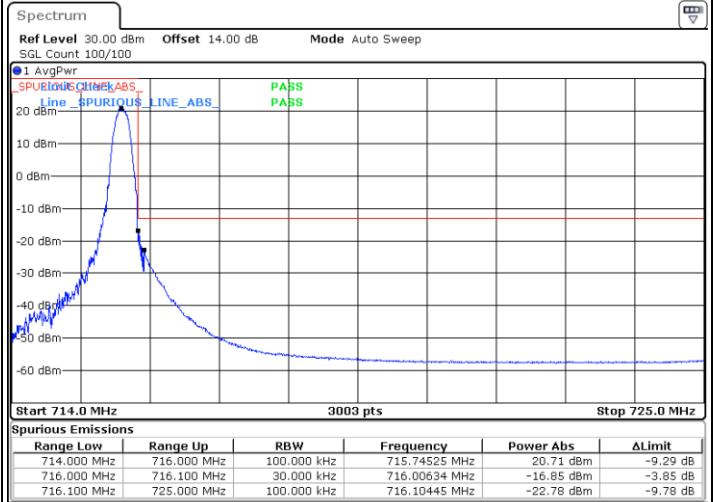
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



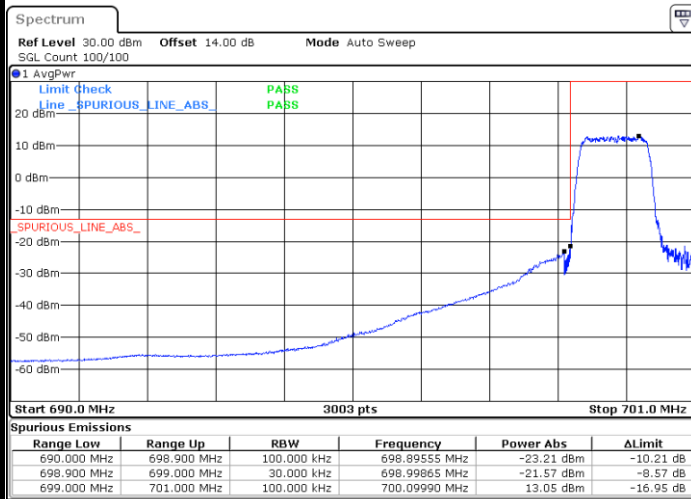
Date: 29.OCT.2022 17:44:15

Highest Band Edge / 1 RB



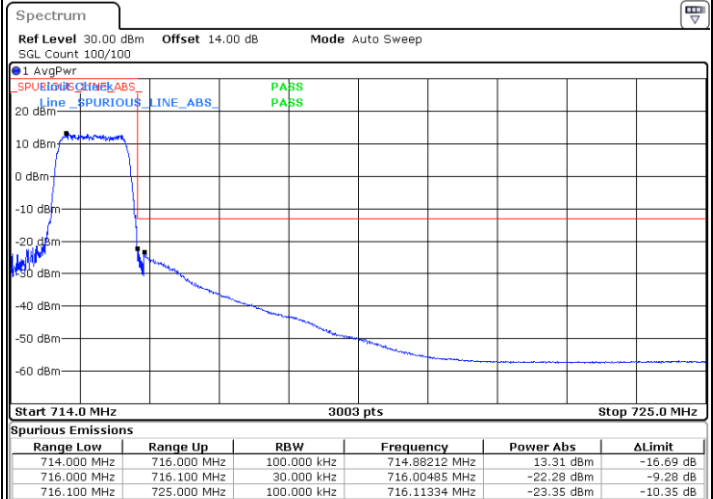
Date: 4.NOV.2022 15:26:13

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB

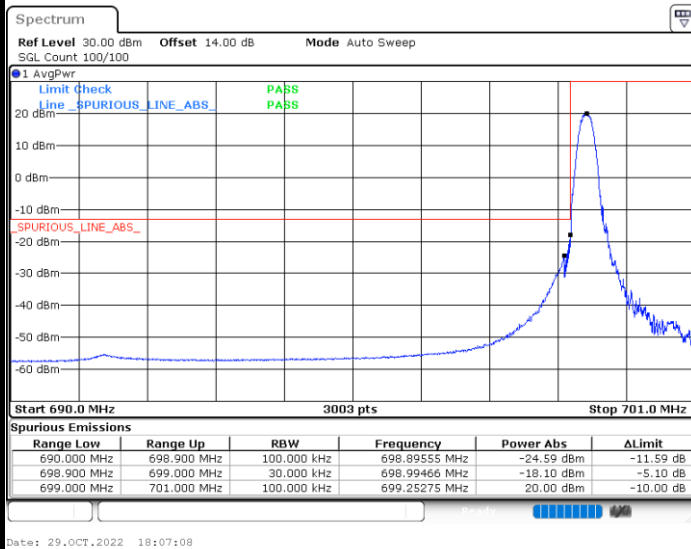


Date: 29.OCT.2022 17:57:18

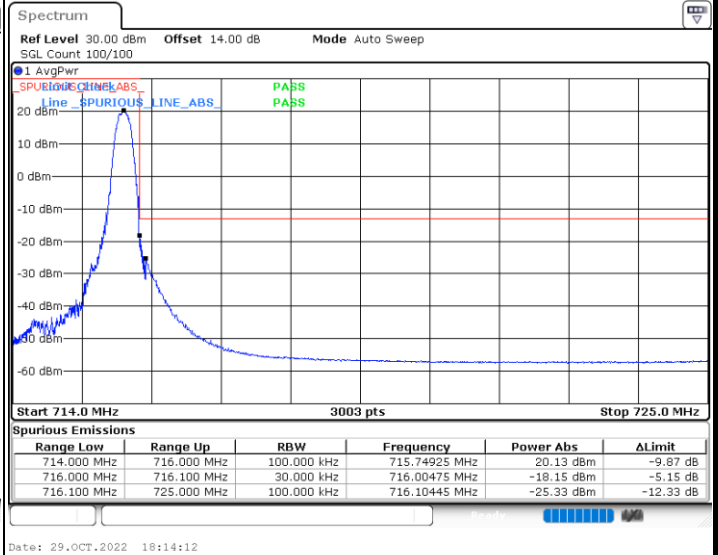


LTE Band 12 / 1.4MHz / 64QAM

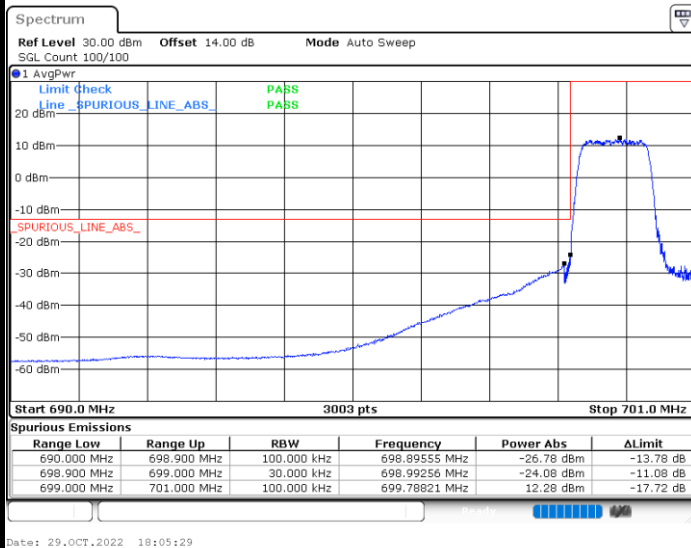
Lowest Band Edge / 1 RB



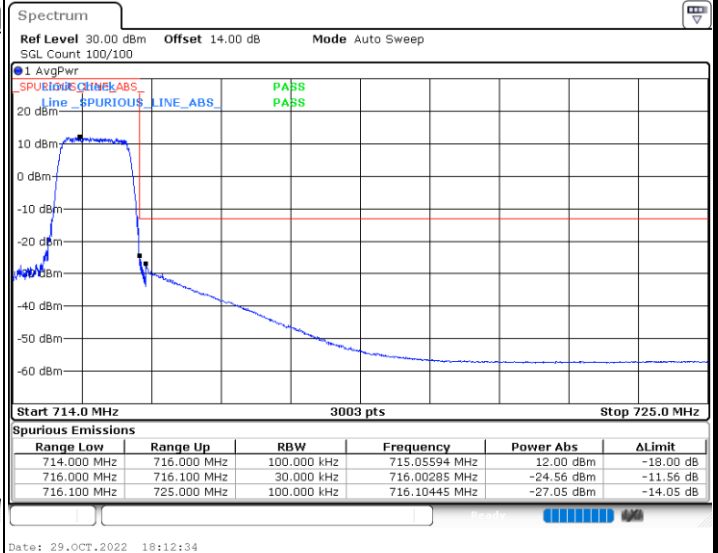
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



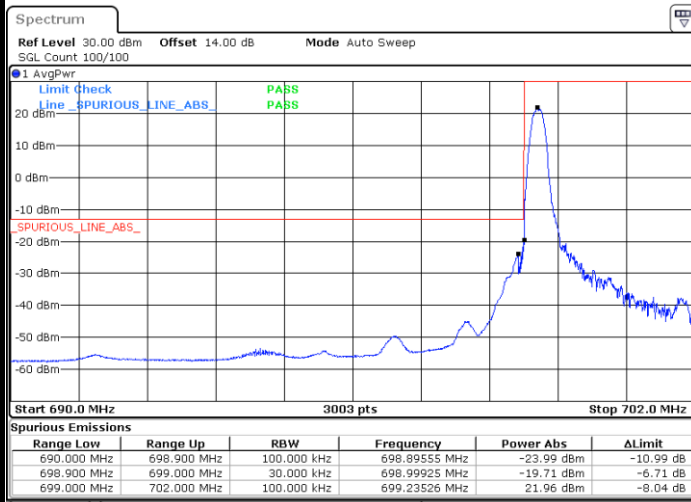
Highest Band Edge / Full RB



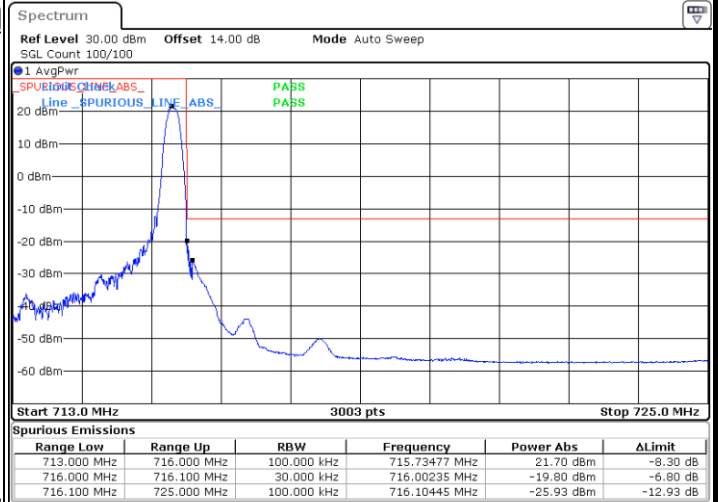


LTE Band 12 / 3MHz / QPSK

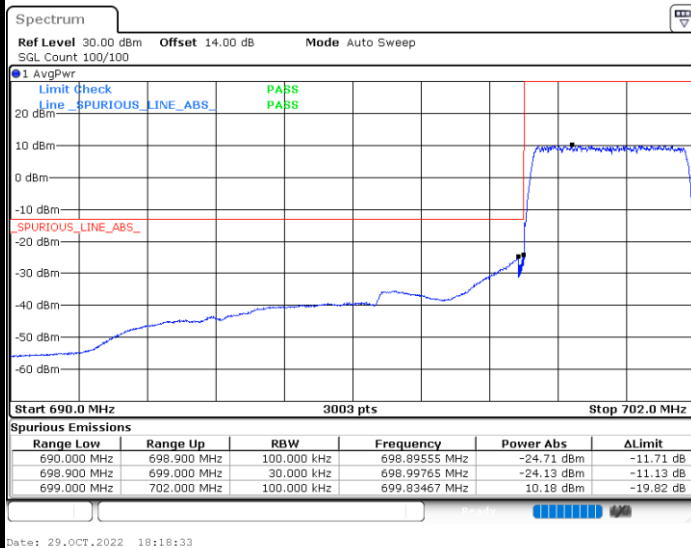
Lowest Band Edge / 1RB



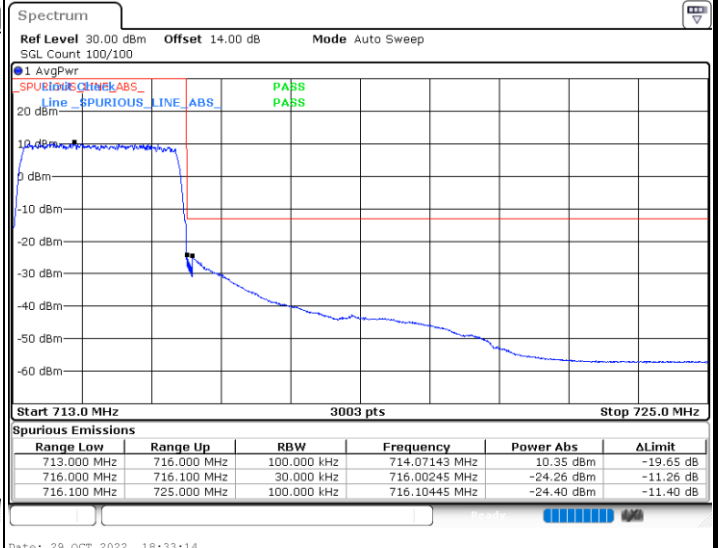
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



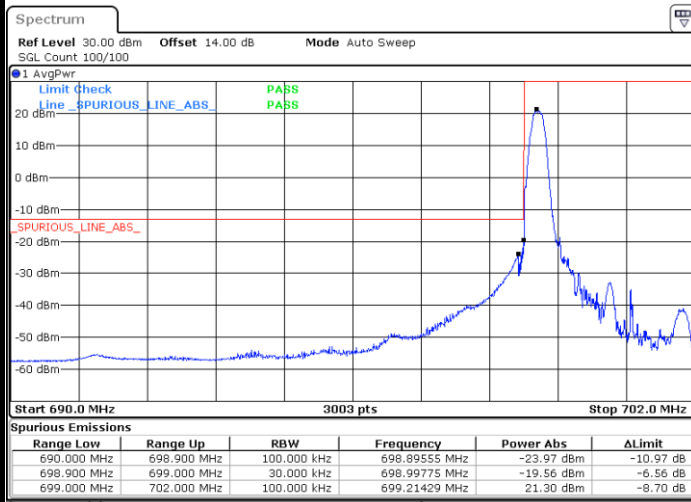
Highest Band Edge / Full RB



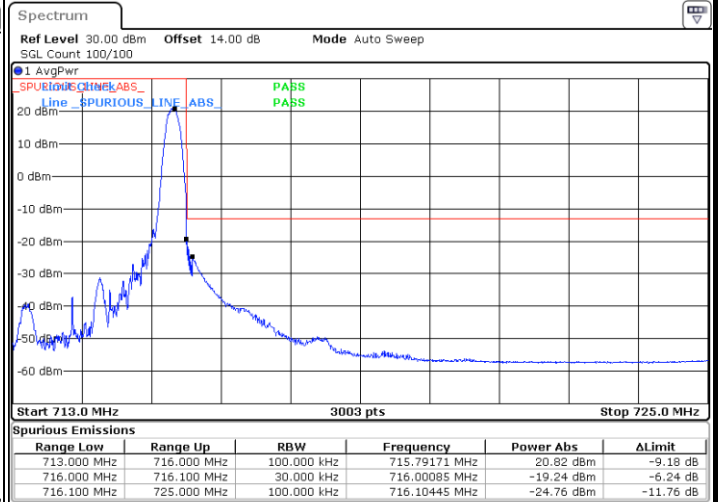


LTE Band 12 / 3MHz / 16QAM

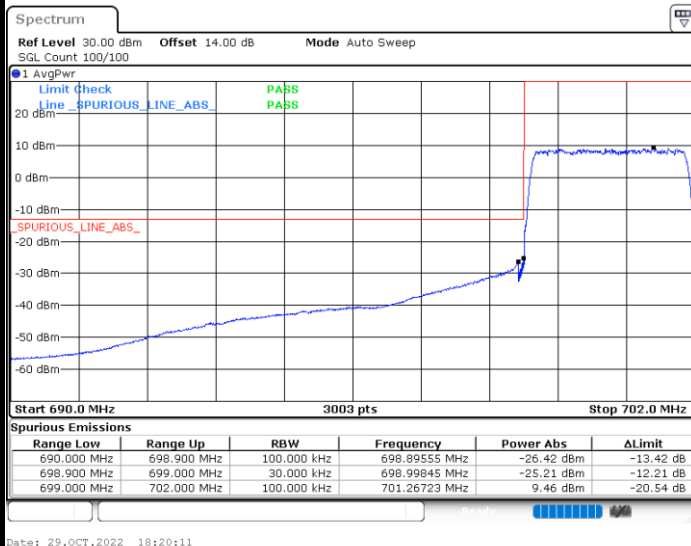
Lowest Band Edge / 1 RB



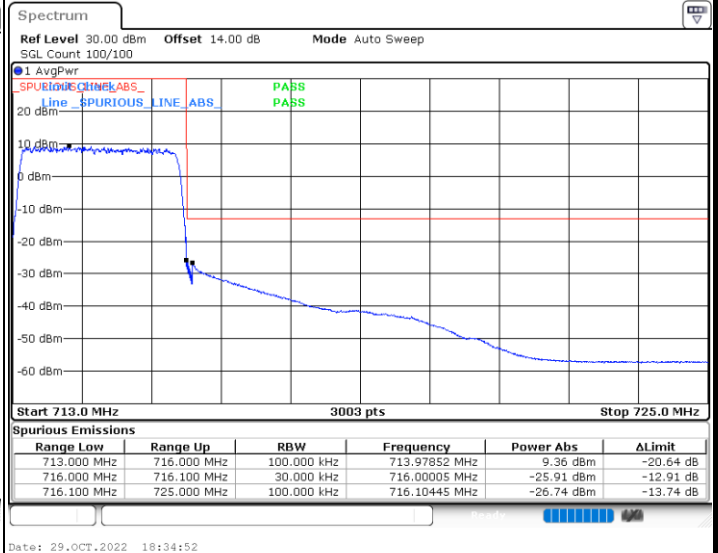
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



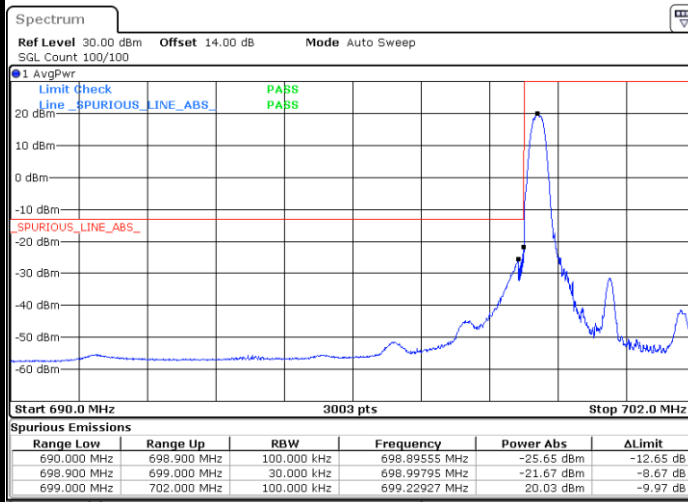
Highest Band Edge / Full RB



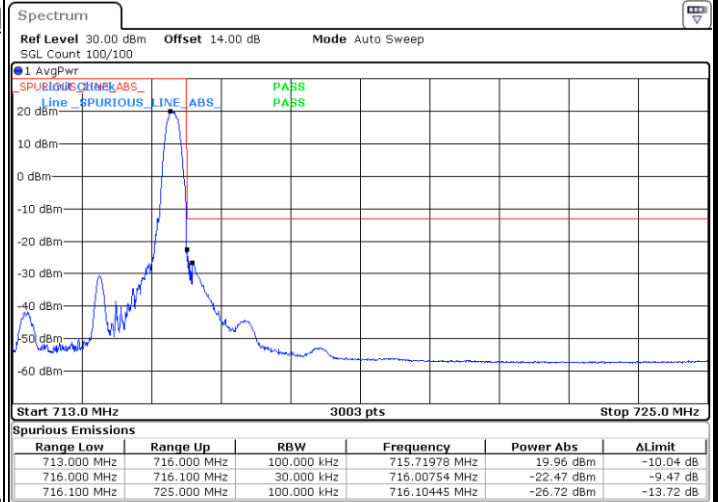


LTE Band 12 / 3MHz / 64QAM

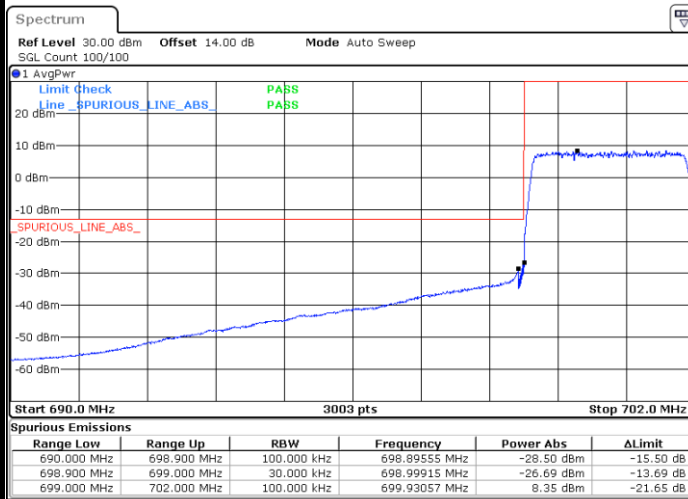
Lowest Band Edge / 1 RB



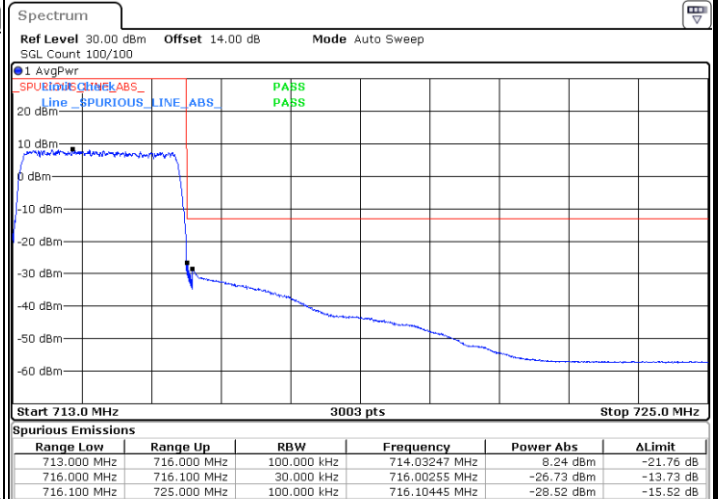
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



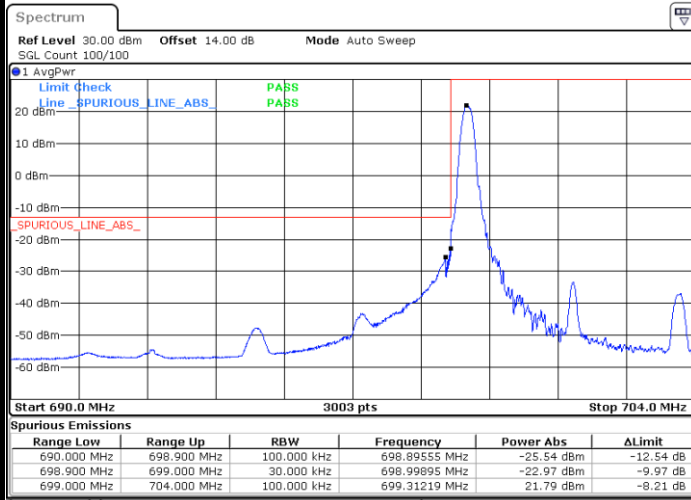
Highest Band Edge / Full RB



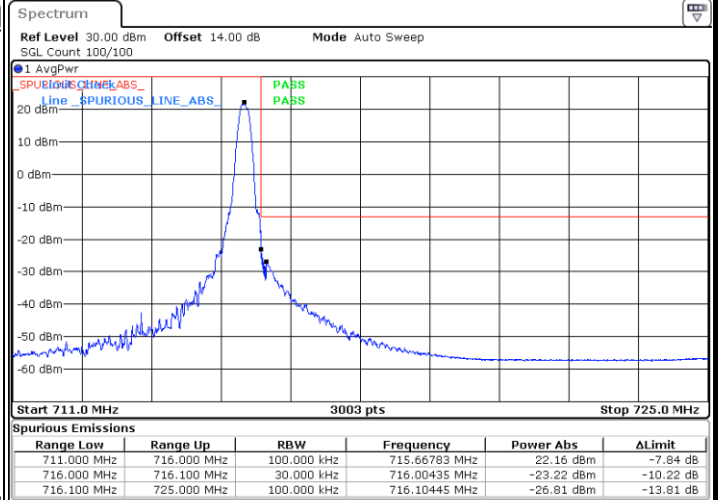


LTE Band 12 / 5MHz / QPSK

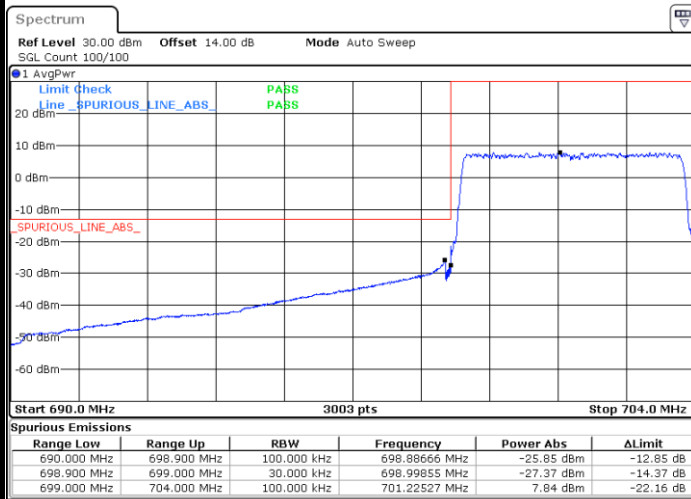
Lowest Band Edge / 1 RB



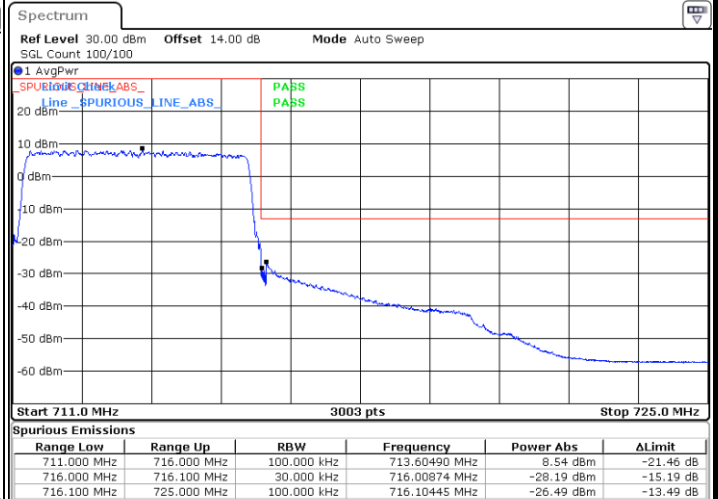
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



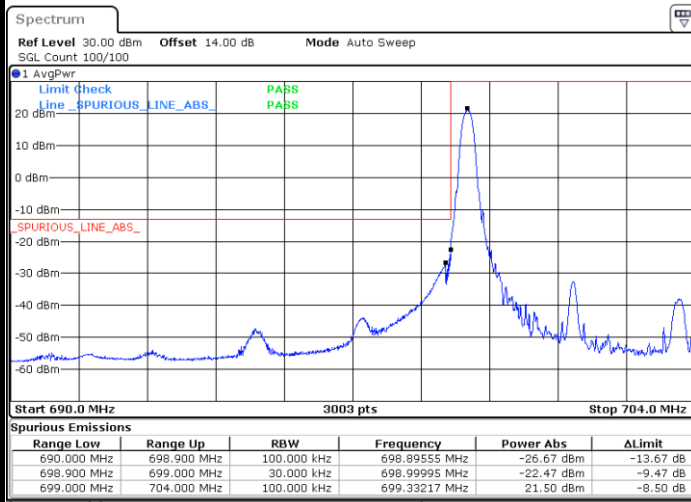
Highest Band Edge / Full RB



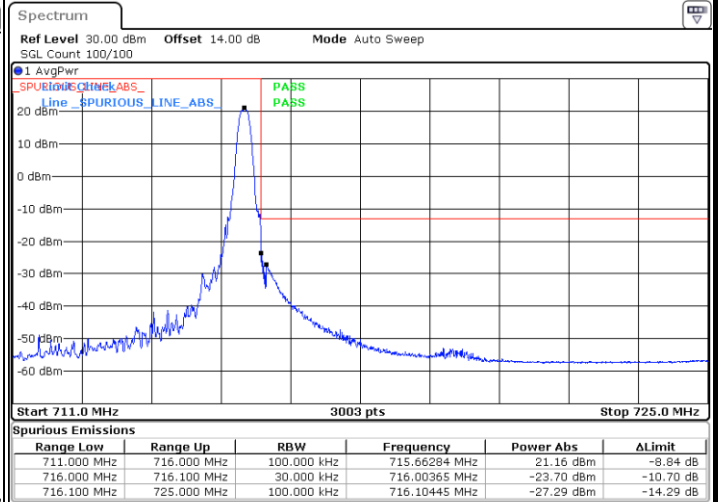


LTE Band 12 / 5MHz / 16QAM

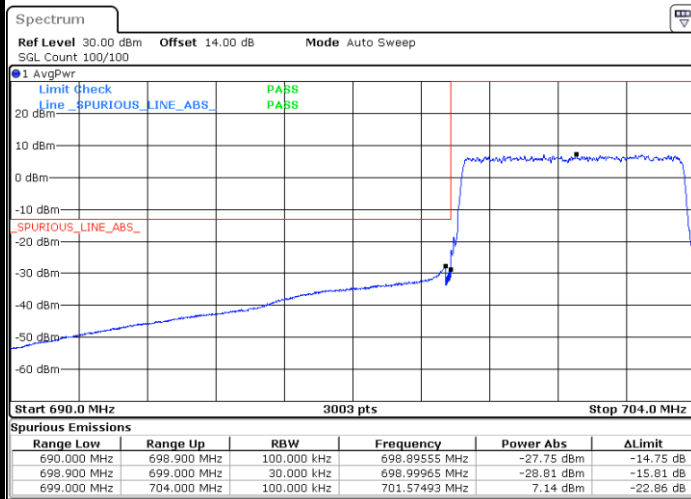
Lowest Band Edge / 1RB



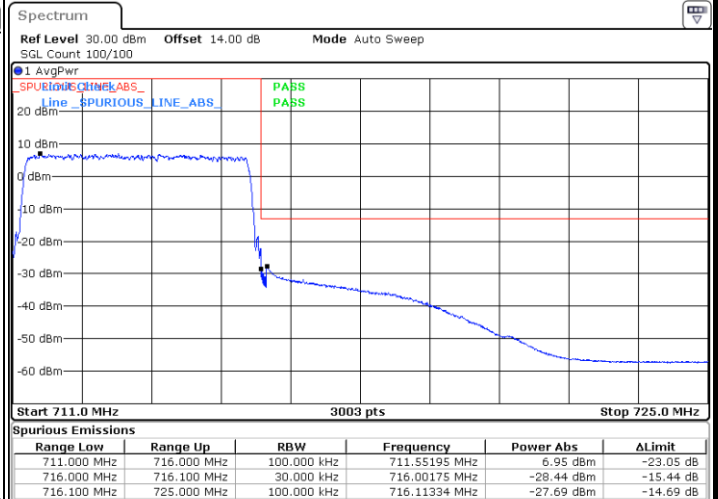
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



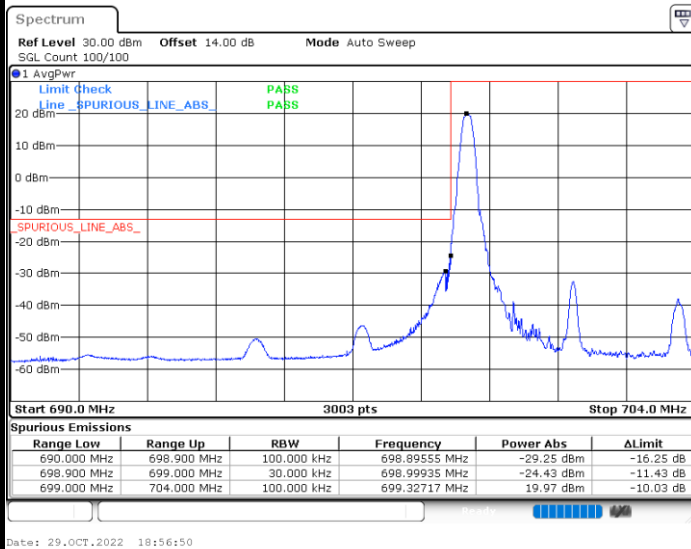
Highest Band Edge / Full RB



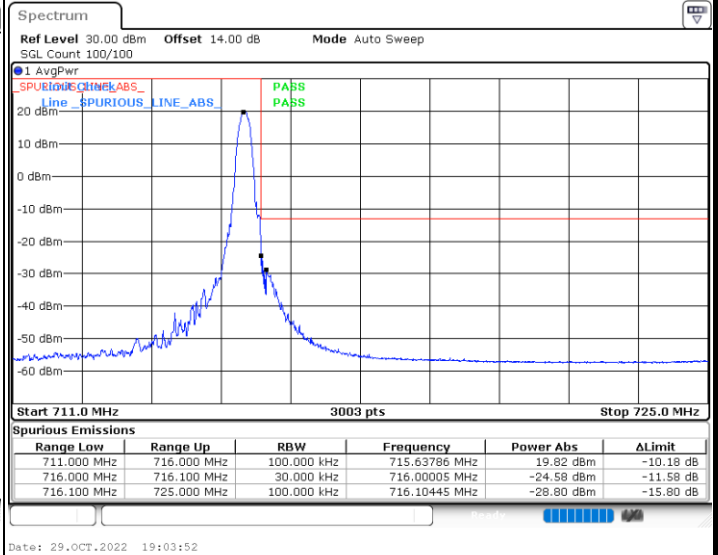


LTE Band 12 / 5MHz / 64QAM

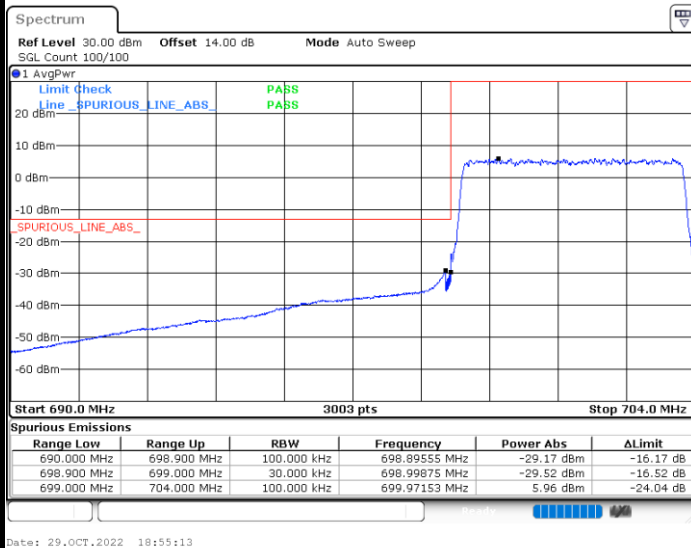
Lowest Band Edge / 1RB



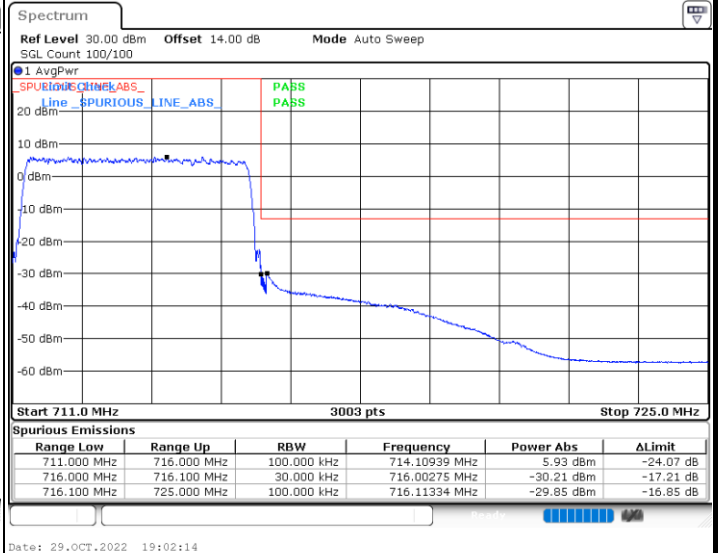
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



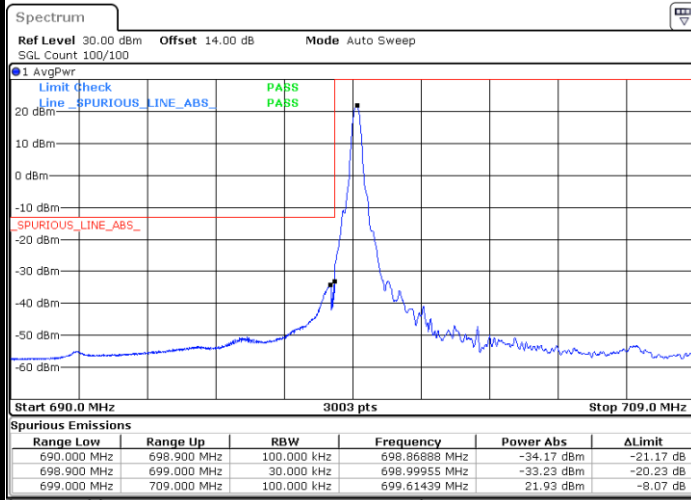
Highest Band Edge / Full RB



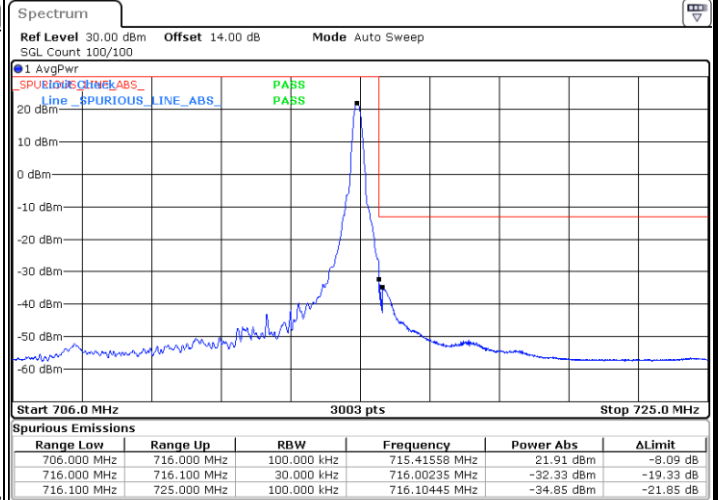


LTE Band 12 / 10MHz / QPSK

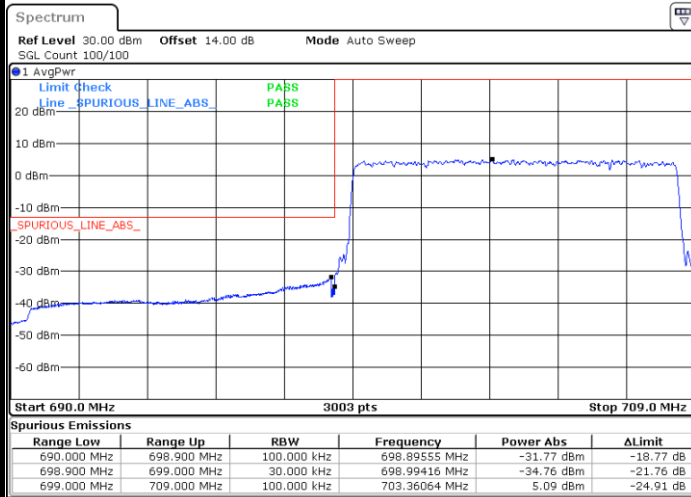
Lowest Band Edge / 1 RB



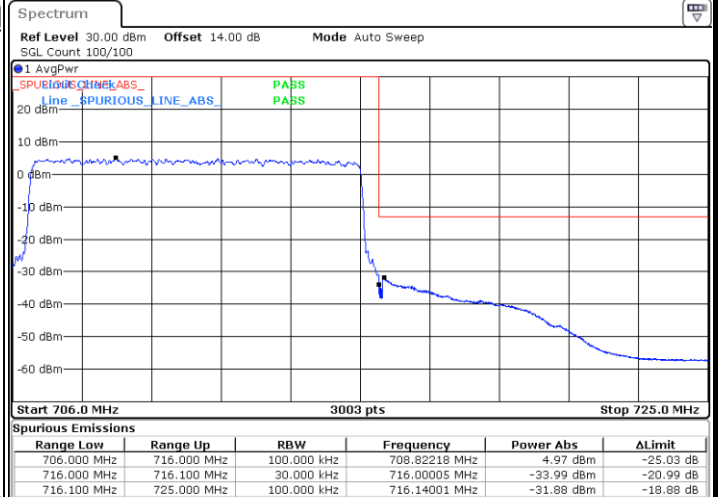
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



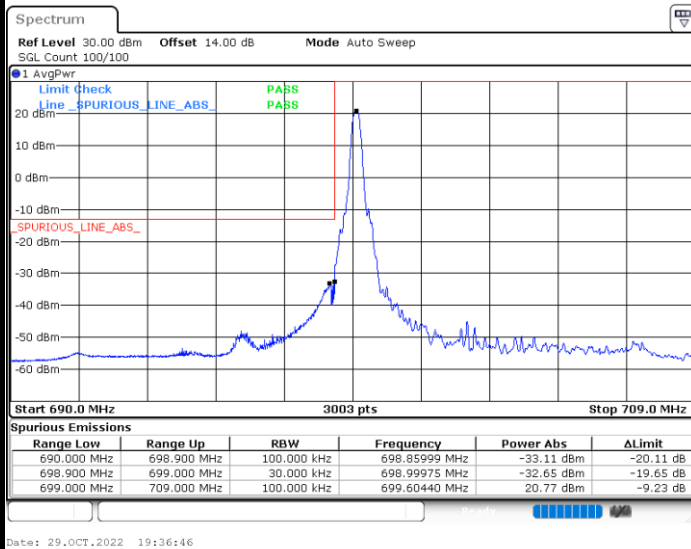
Highest Band Edge / Full RB



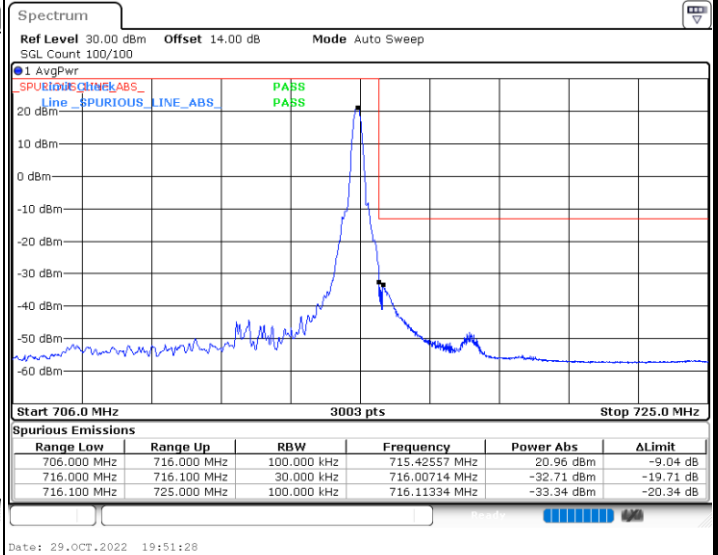


LTE Band 12 / 10MHz / 16QAM

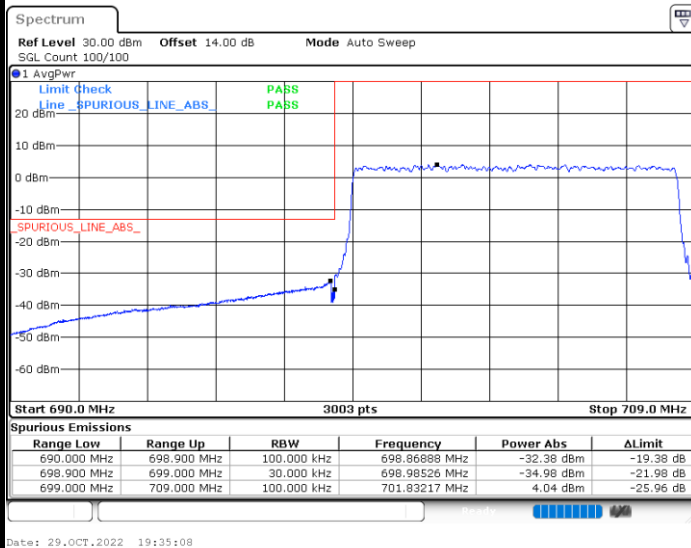
Lowest Band Edge / 1 RB



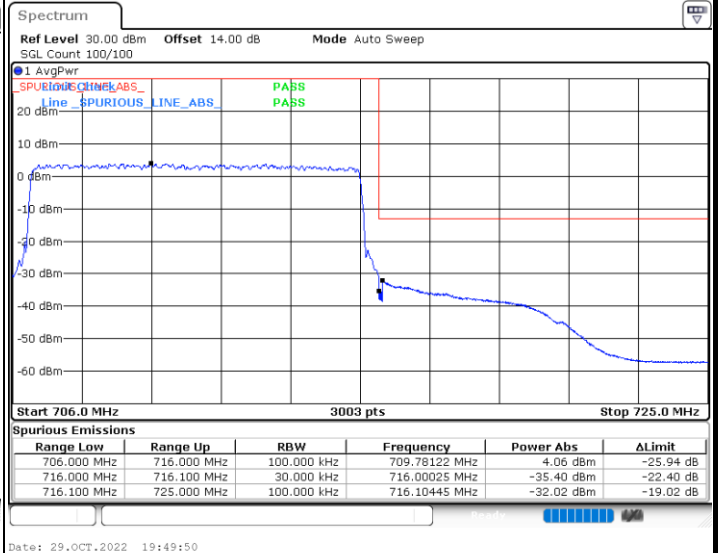
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



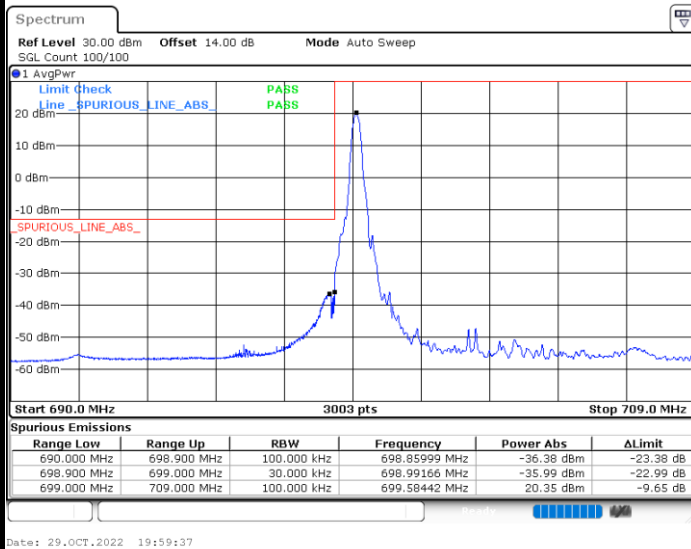
Highest Band Edge / Full RB



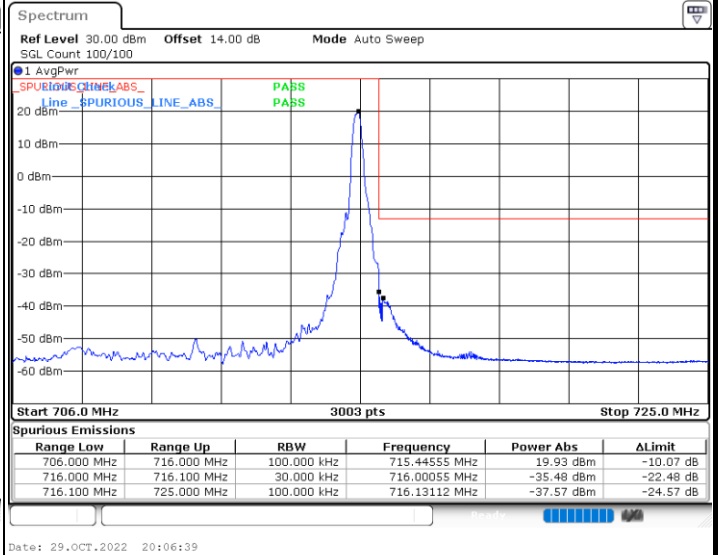


LTE Band 12 / 10MHz / 64QAM

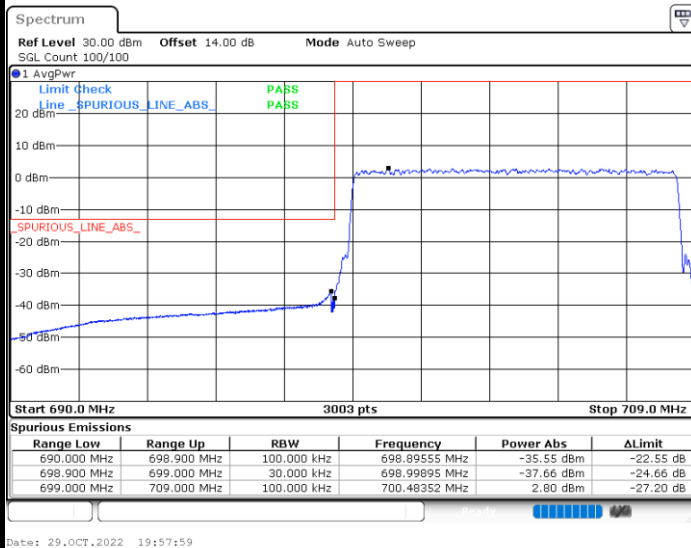
Lowest Band Edge / 1 RB



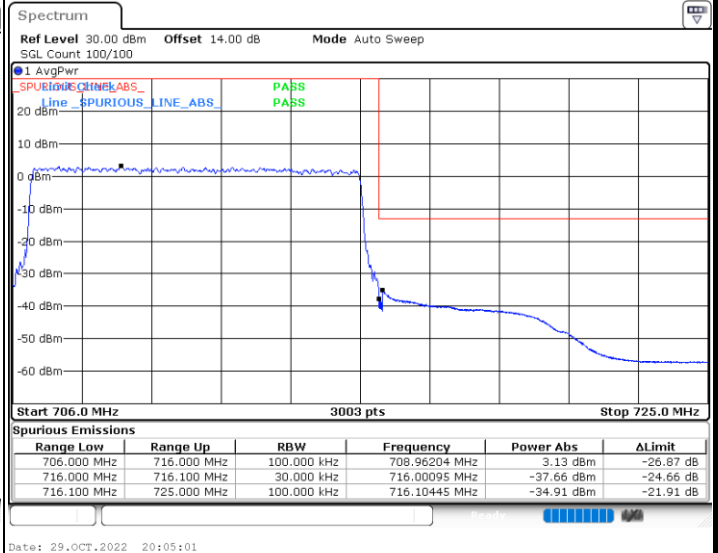
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

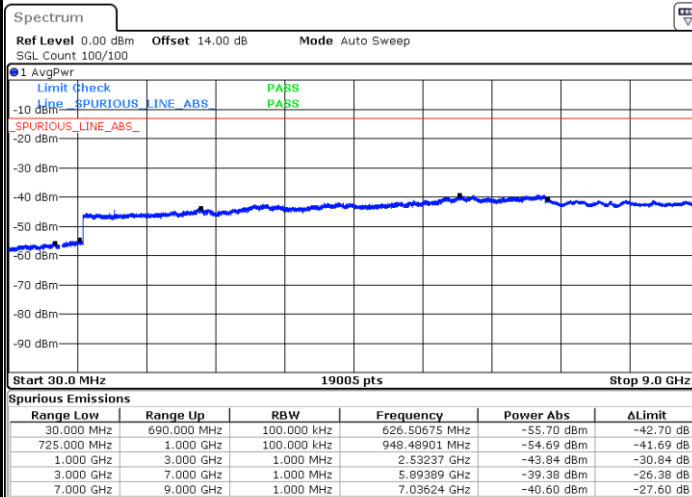




Conducted Spurious Emission

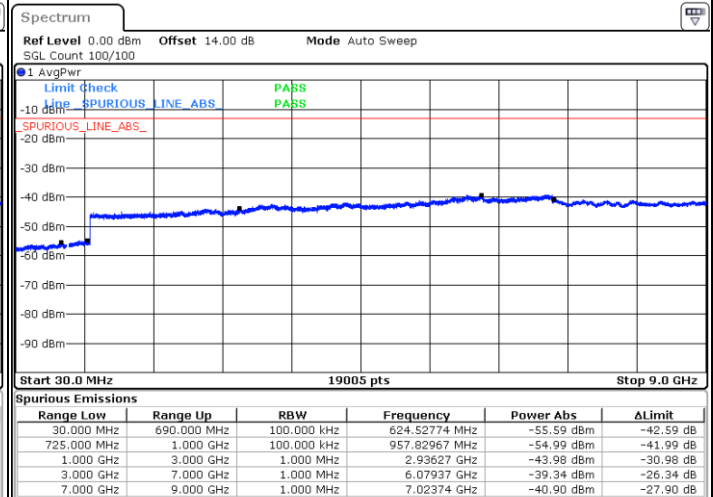
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



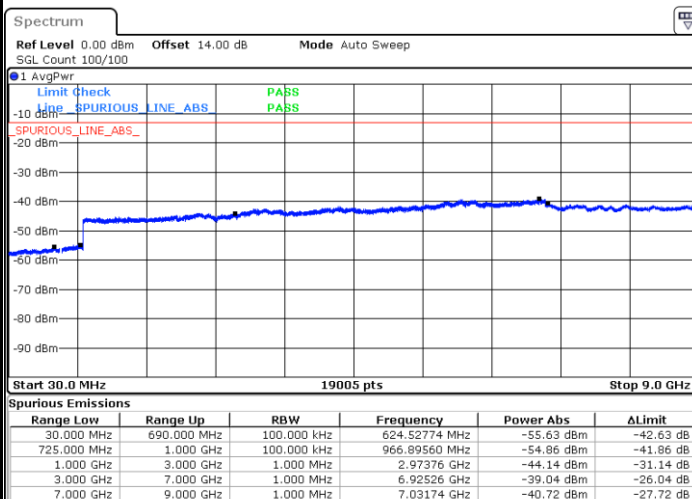
Date: 29.OCT.2022 17:47:06

Lowest Channel / 16QAM



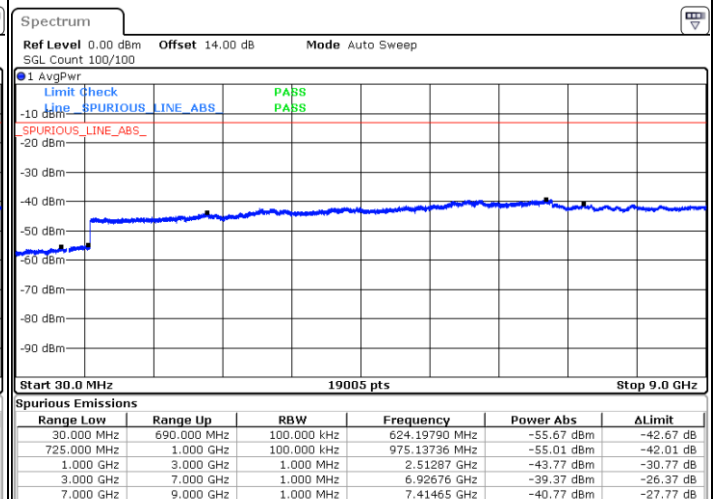
Date: 29.OCT.2022 17:48:29

Middle Channel / QPSK



Date: 29.OCT.2022 17:52:43

Middle Channel / 16QAM

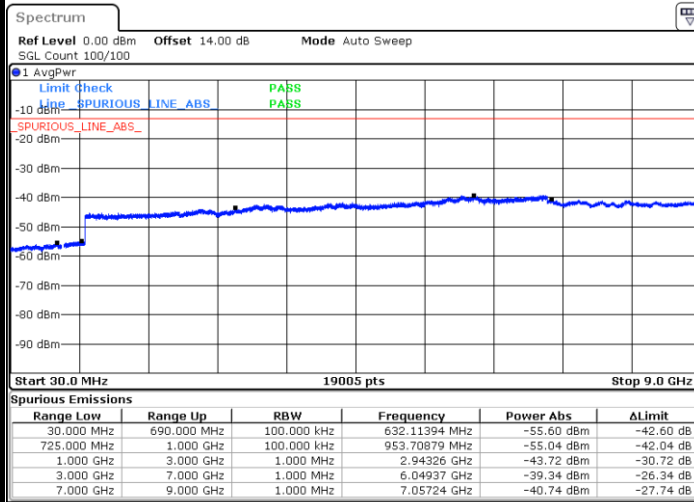


Date: 29.OCT.2022 17:51:21



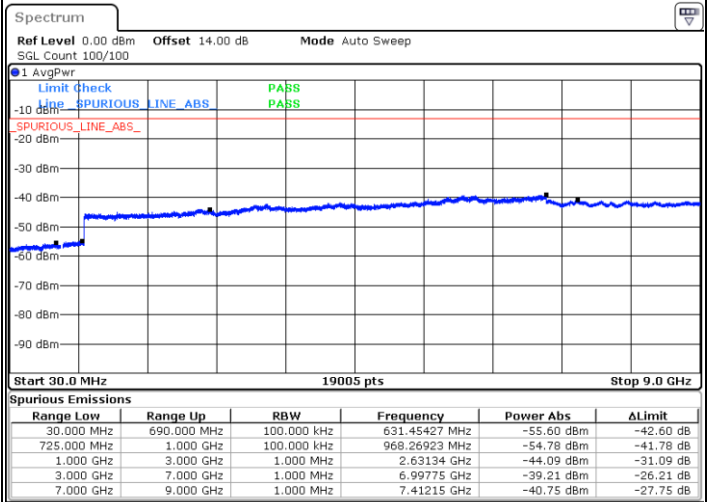
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



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

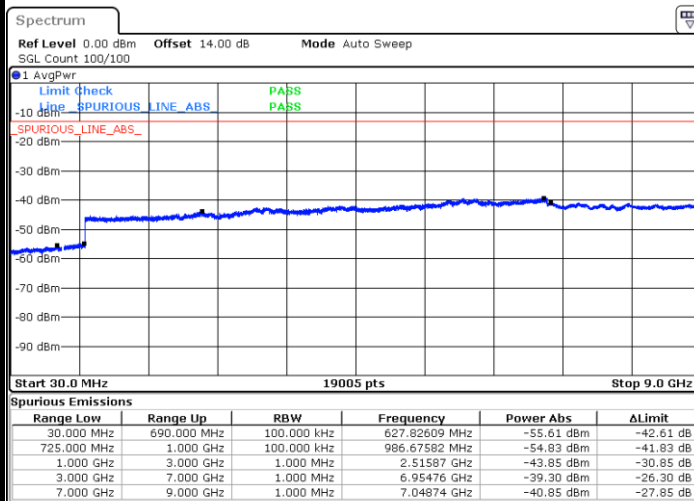
Highest Channel / 16QAM



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

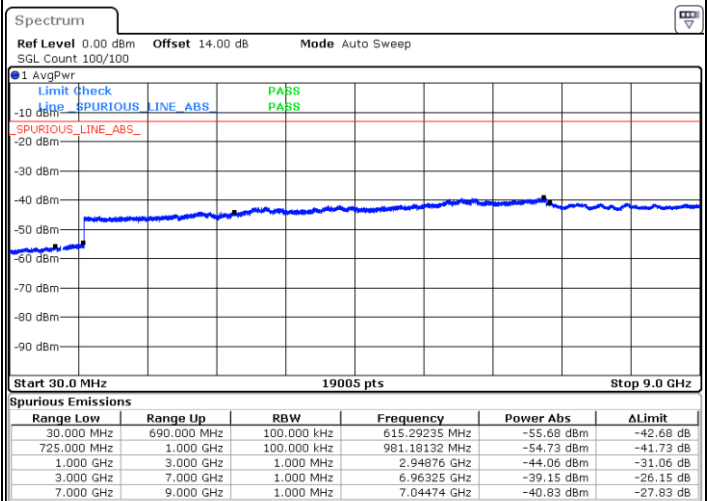
LTE Band 12 / 3MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM

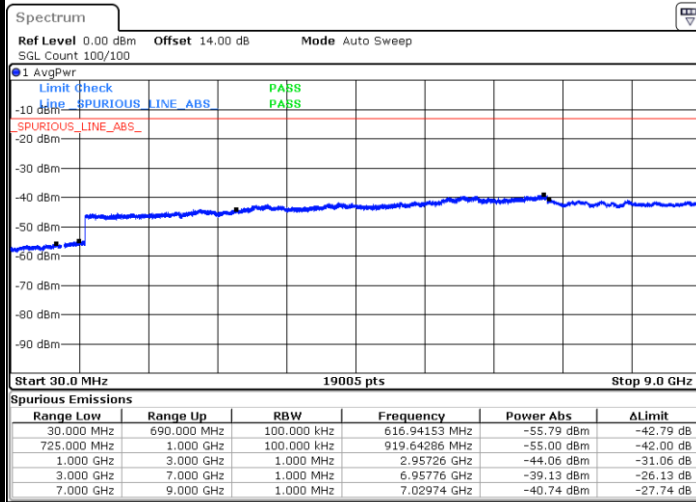


Date: 29.OCT.2022 18:26:03



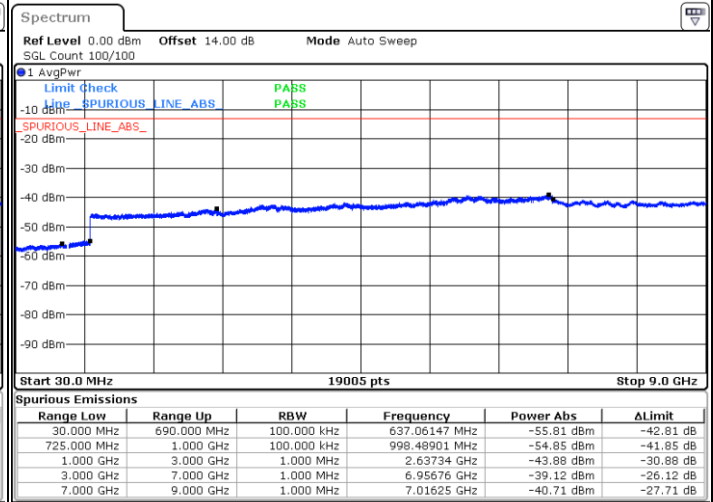
LTE Band 12 / 3MHz

Middle Channel / QPSK



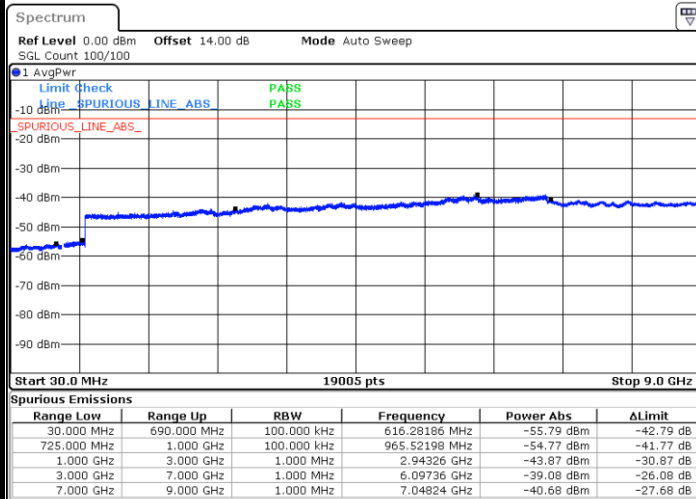
Date: 29.OCT.2022 18:30:17

Middle Channel / 16QAM



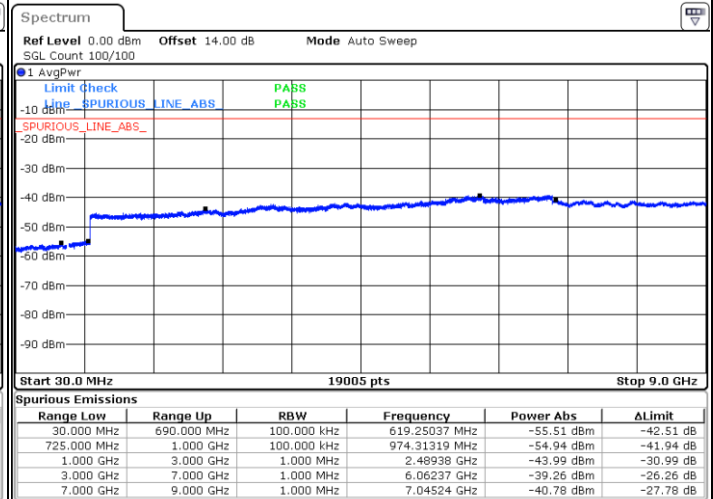
Date: 29.OCT.2022 18:28:54

Highest Channel / QPSK



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

Highest Channel / 16QAM

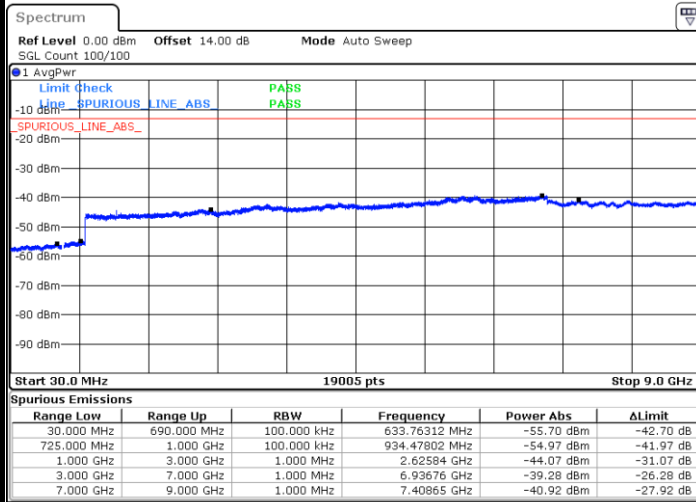


Date: 29.OCT.2022 18:40:54



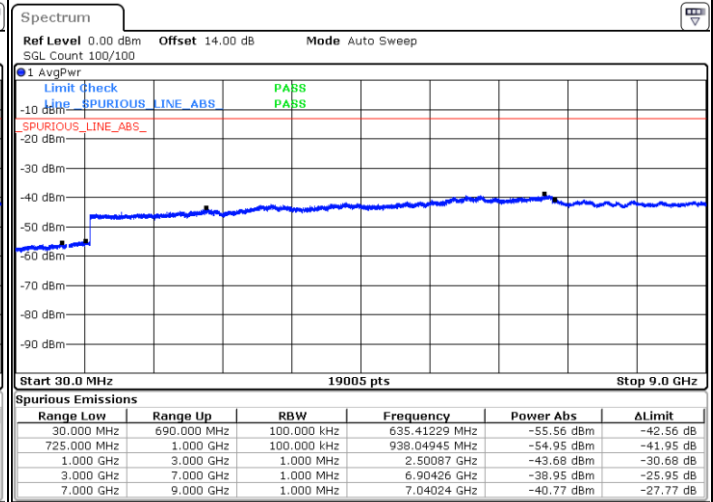
LTE Band 12 / 5MHz

Lowest Channel / QPSK



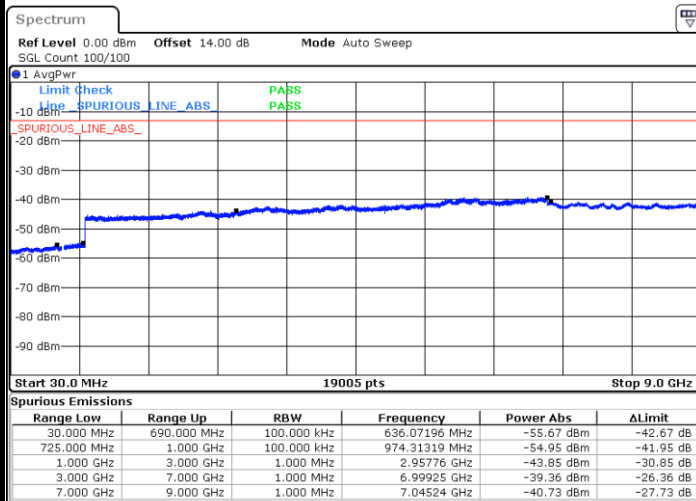
Date: 29.OCT.2022 19:14:18

Lowest Channel / 16QAM



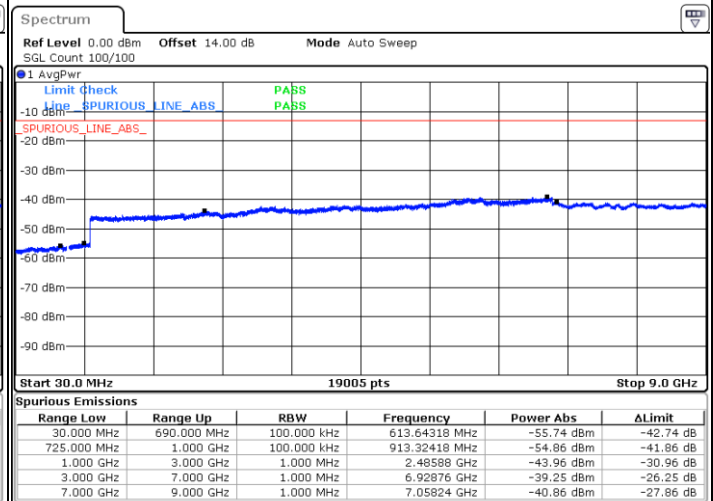
Date: 29.OCT.2022 19:15:41

Middle Channel / QPSK



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

Middle Channel / 16QAM

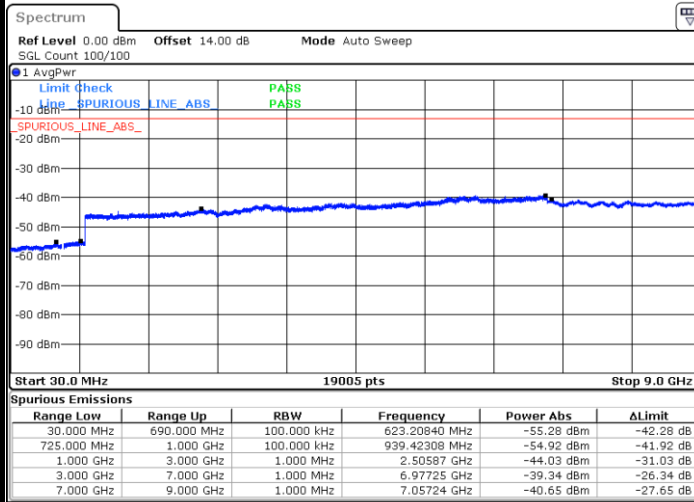


Date: 29.OCT.2022 19:18:32



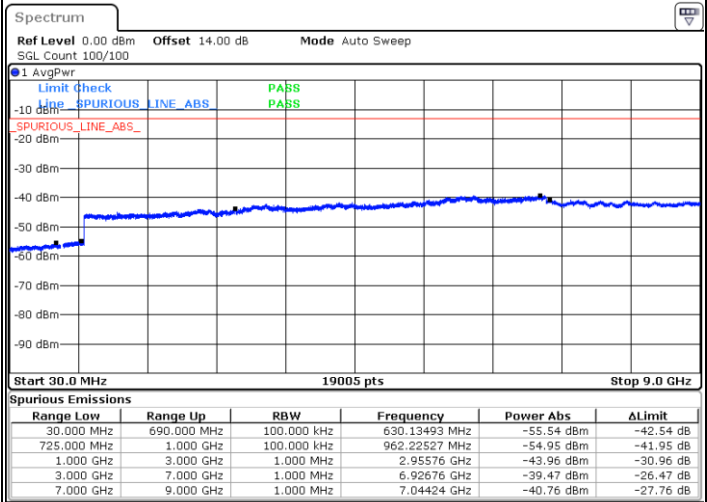
LTE Band 12 / 5MHz

Highest Channel / QPSK



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

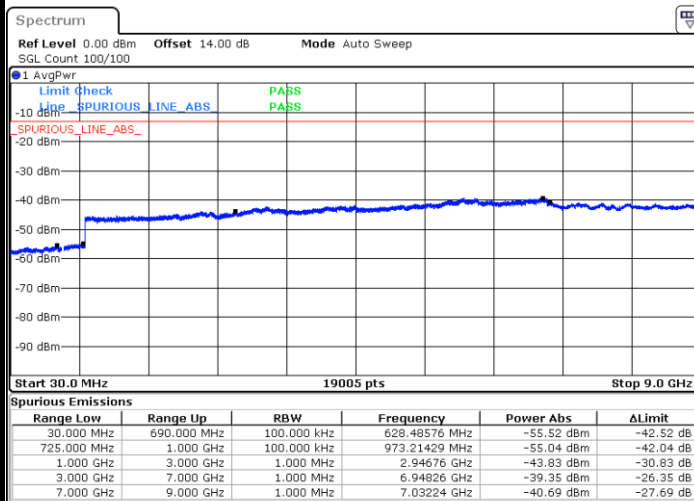
Highest Channel / 16QAM



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

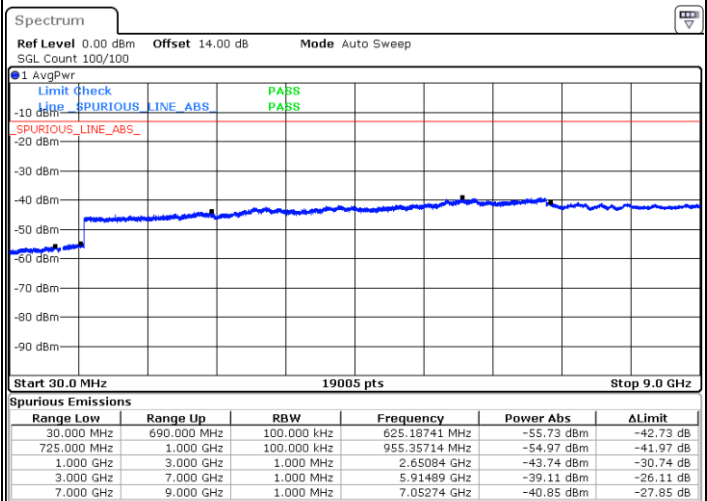
LTE Band 12 / 10MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM

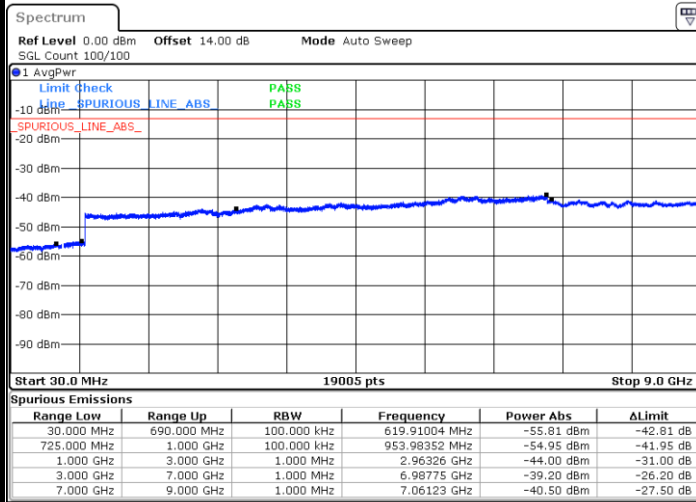


Date: 29.OCT.2022 19:41:00



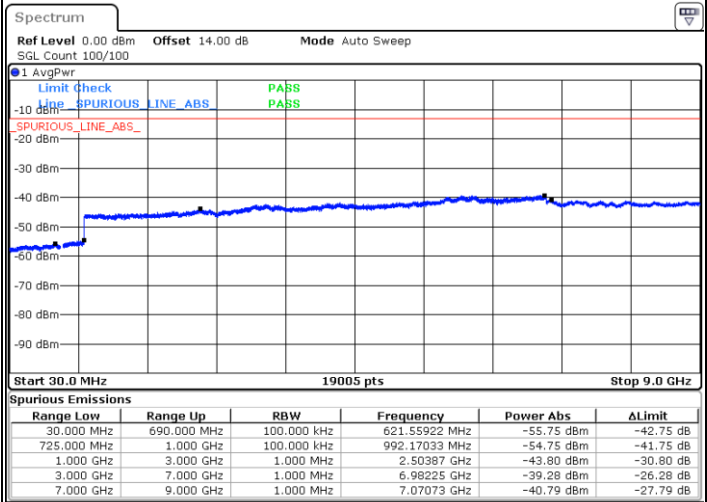
LTE Band 12 / 10MHz

Middle Channel / QPSK



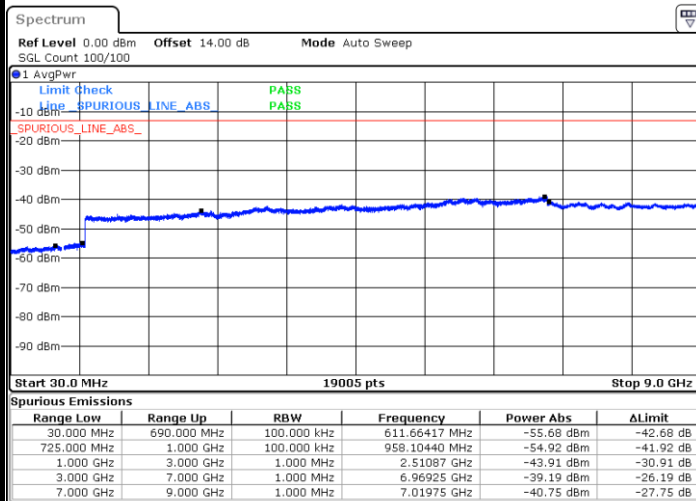
Date: 29.OCT.2022 19:45:14

Middle Channel / 16QAM



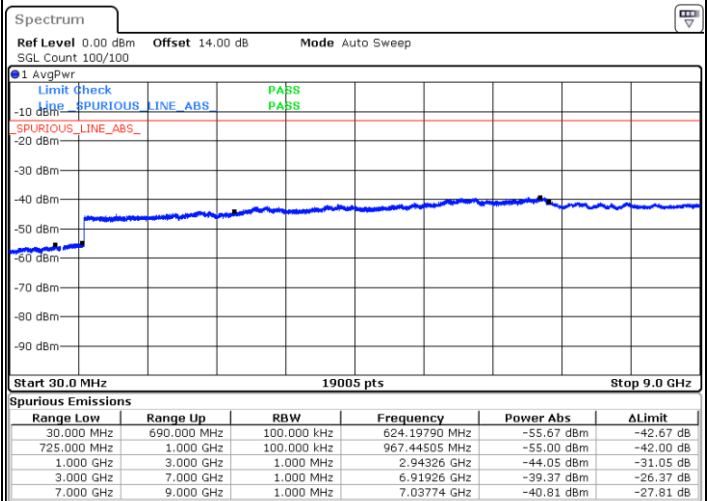
Date: 29.OCT.2022 19:43:51

Highest Channel / QPSK



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

Highest Channel / 16QAM

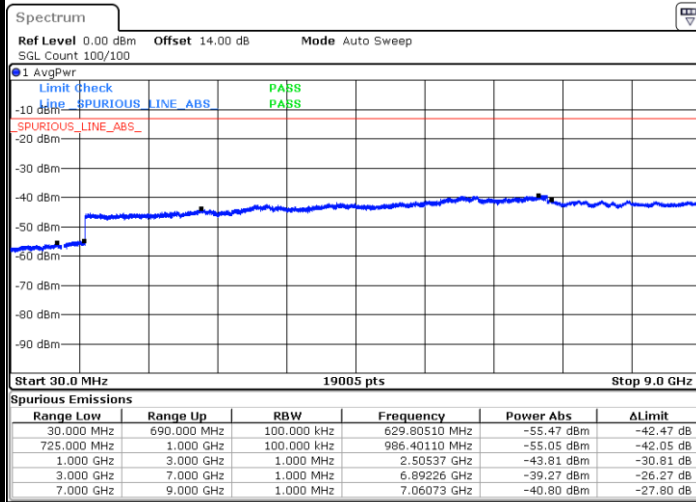


Date: 29.OCT.2022 19:55:51



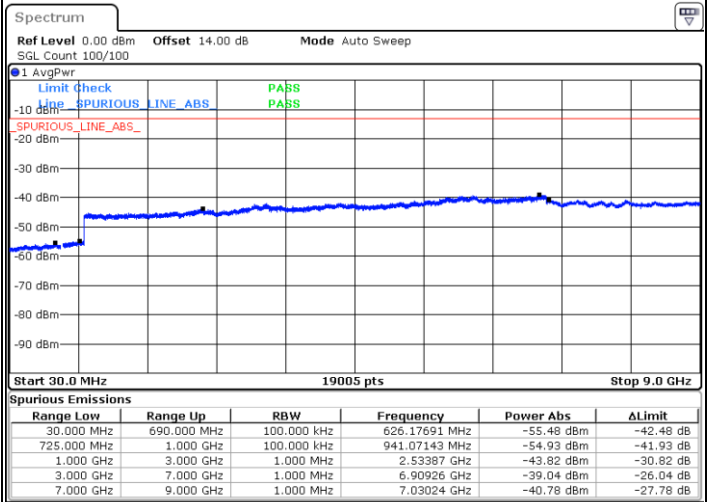
LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM



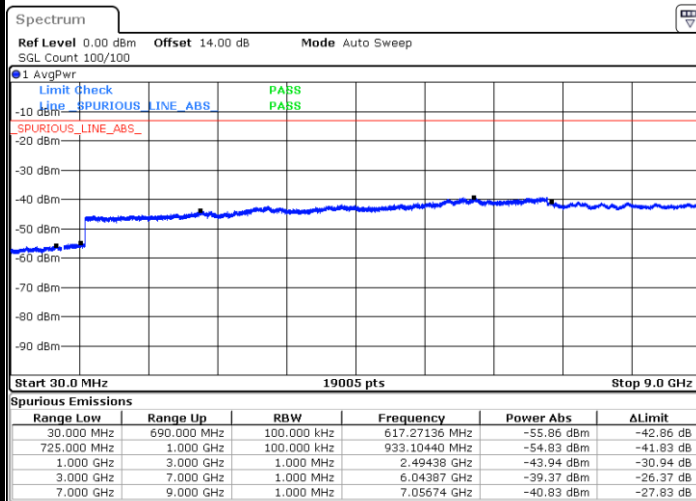
Date: 29.OCT.2022 18:08:21

Middle Channel / 64QAM



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

Highest Channel / 64QAM



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

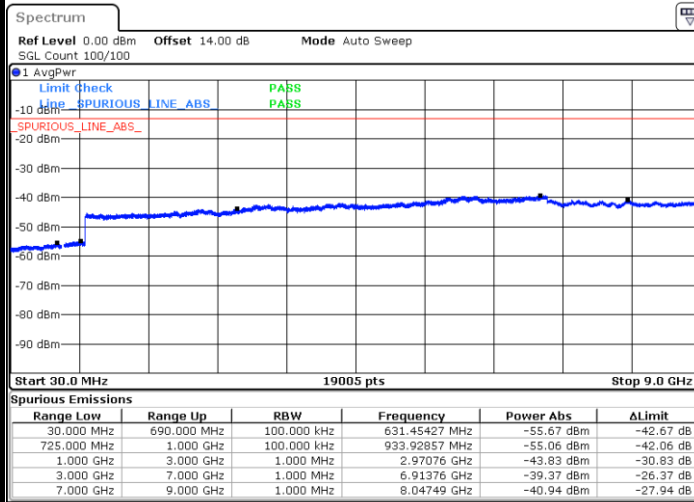
NA

NA



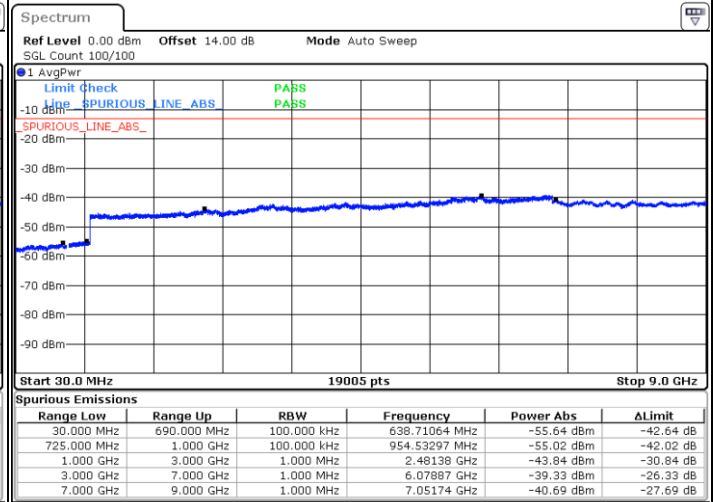
LTE Band 12 / 3MHz

Lowest Channel / 64QAM



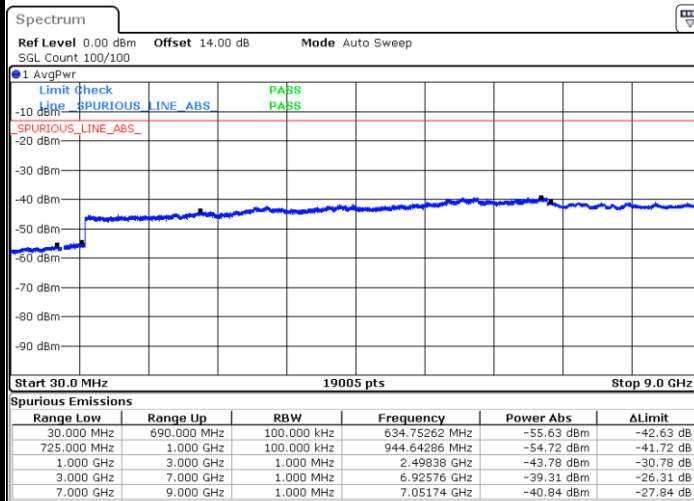
Date: 29.OCT.2022 18:45:53

Middle Channel / 64QAM



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

Highest Channel / 64QAM



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

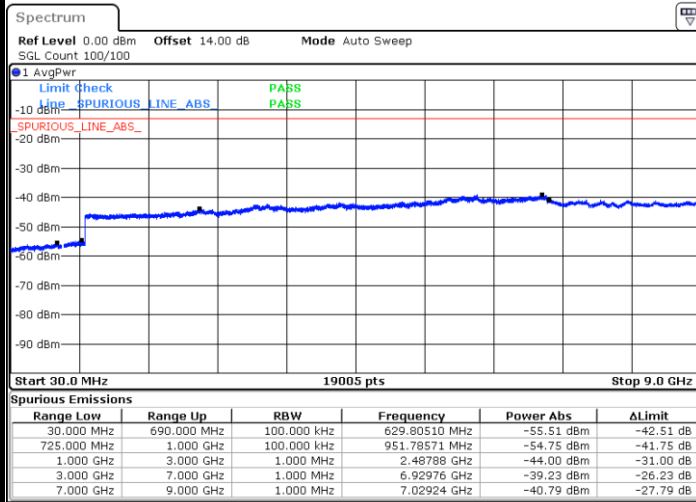
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NA



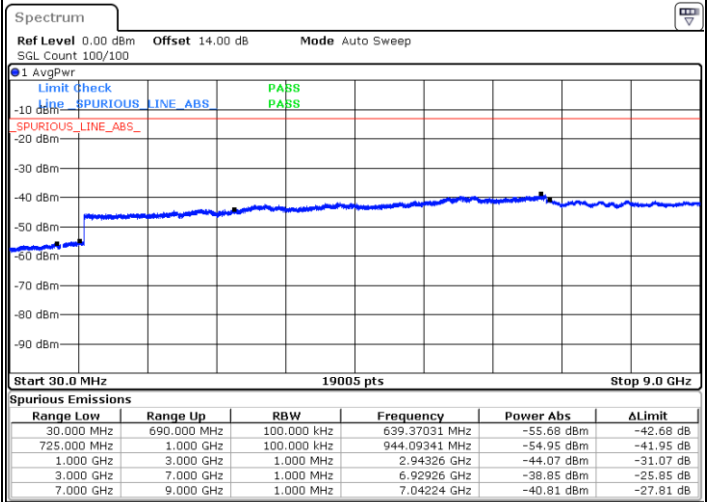
LTE Band 12 / 5MHz

Lowest Channel / 64QAM



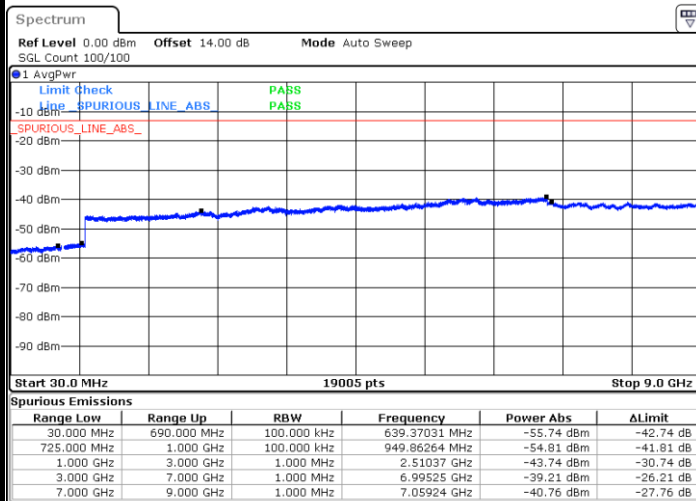
Date: 29.OCT.2022 18:58:03

Middle Channel / 64QAM



Date: 29.OCT.2022 19:00:05

Highest Channel / 64QAM



Date: 29.OCT.2022 19:05:14

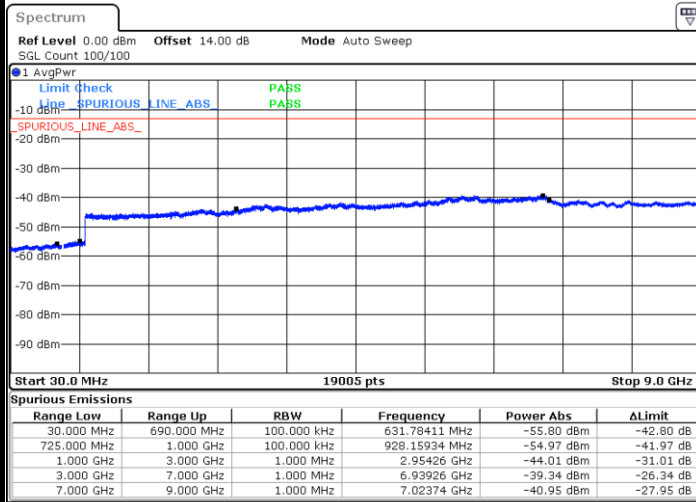
NA

NA



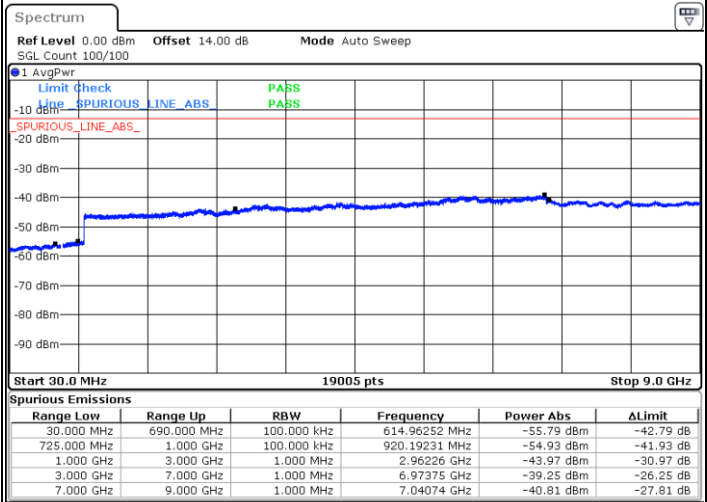
LTE Band 12 / 10MHz

Lowest Channel / 64QAM



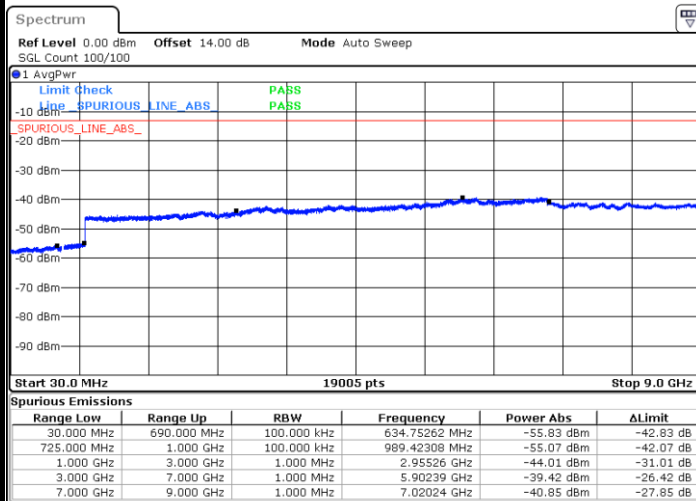
Date: 29.OCT.2022 20:00:50

Middle Channel / 64QAM



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

Highest Channel / 64QAM



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

NA

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

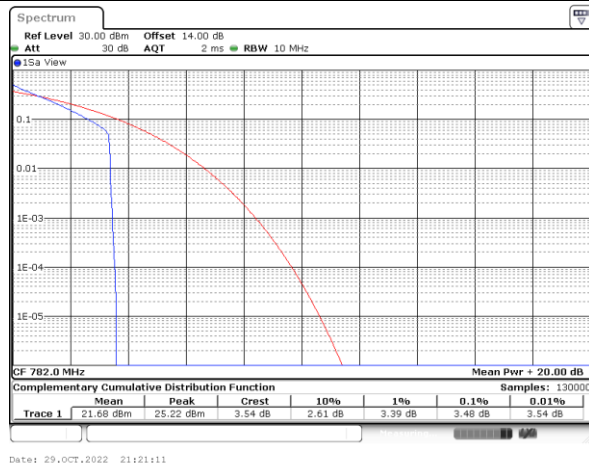
Peak-to-Average Ratio

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	-	-	-	-	

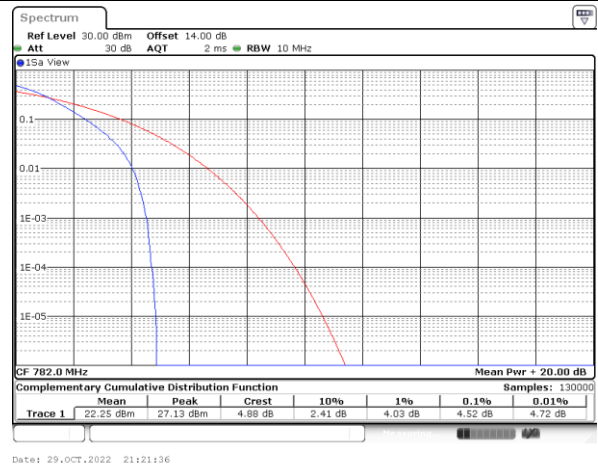


LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB

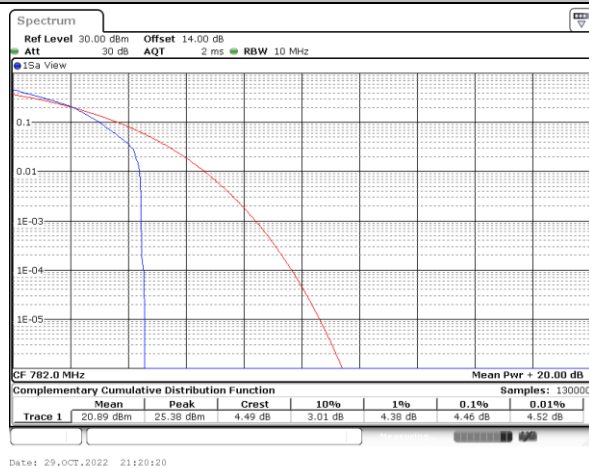


Middle Channel / Full RB

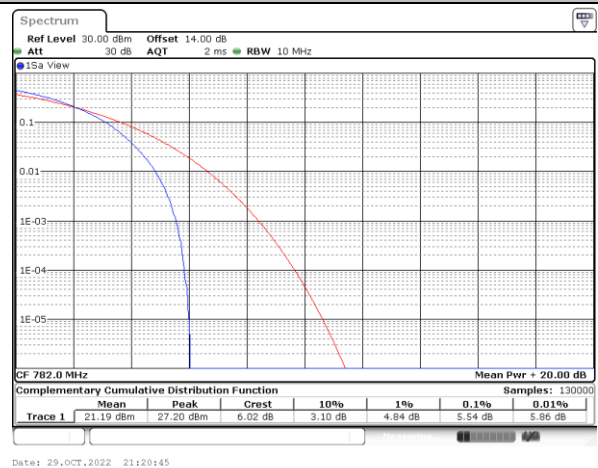


LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB

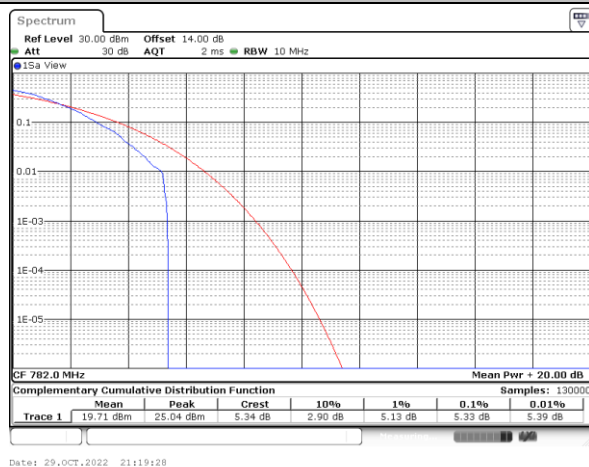


Middle Channel / Full RB

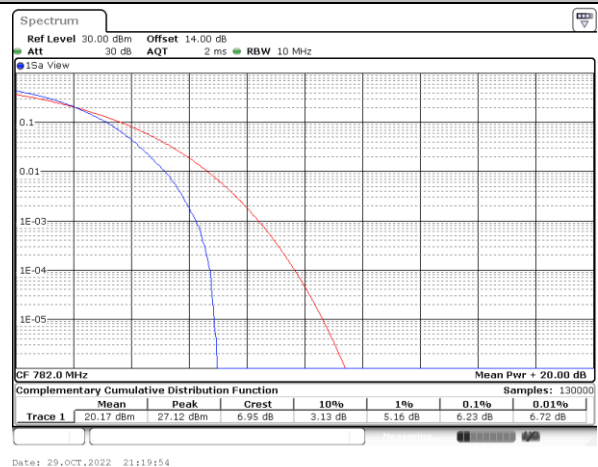


LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Middle Channel / Full RB



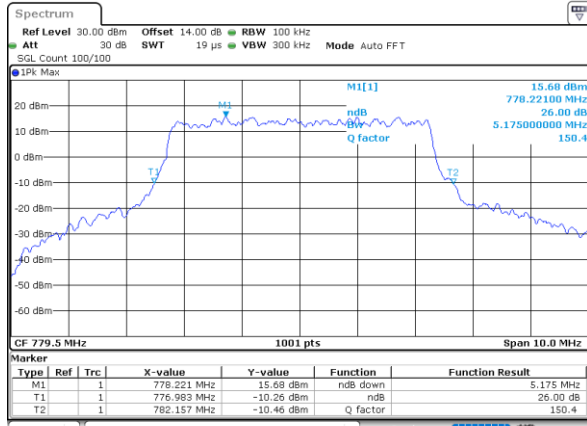
**26dB Bandwidth**

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	-	-	-	-	-	-	-

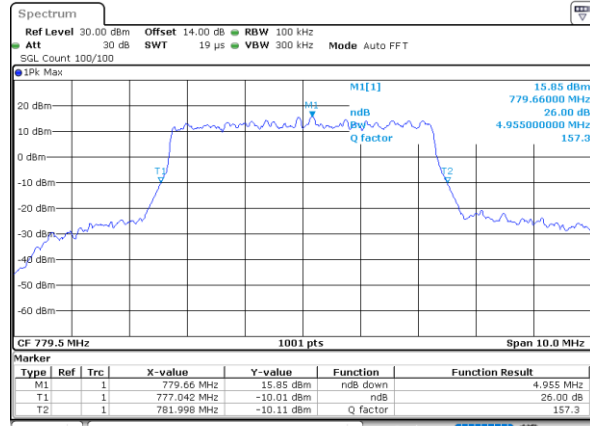


LTE Band 13

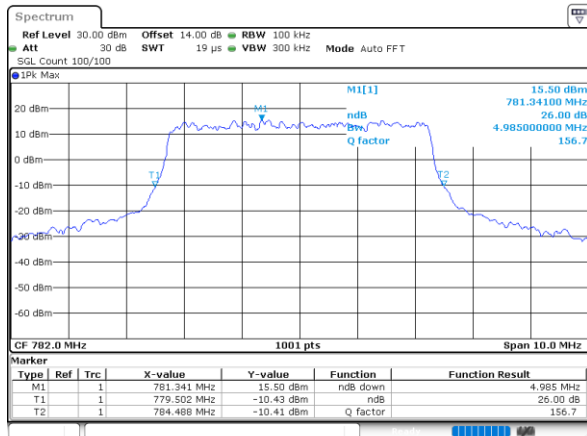
Lowest Channel / 5MHz / QPSK



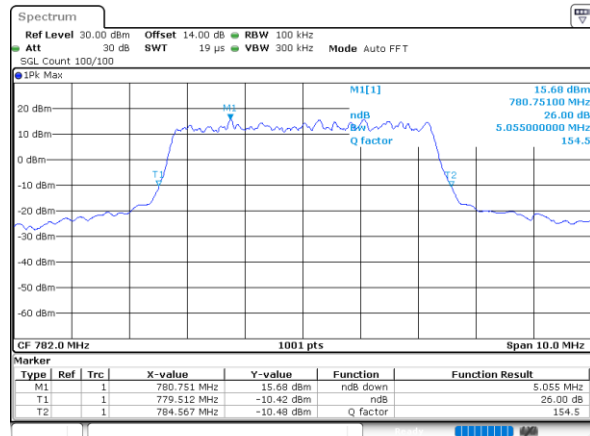
Lowest Channel / 5MHz / 16QAM



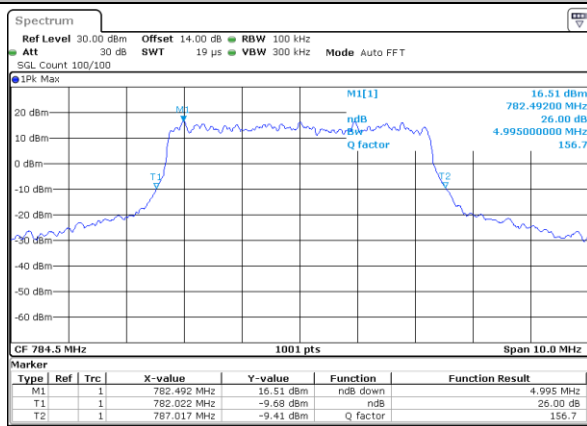
Middle Channel / 5MHz / QPSK



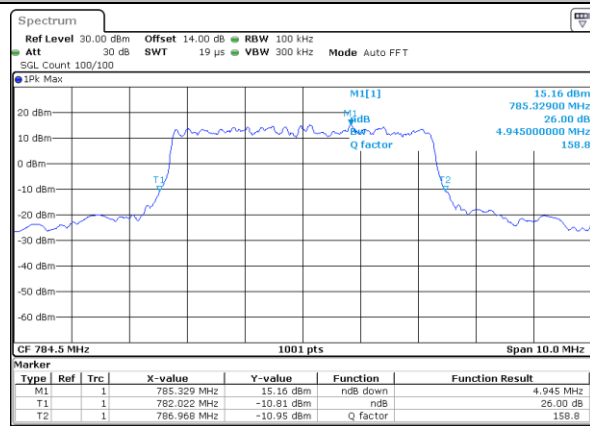
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



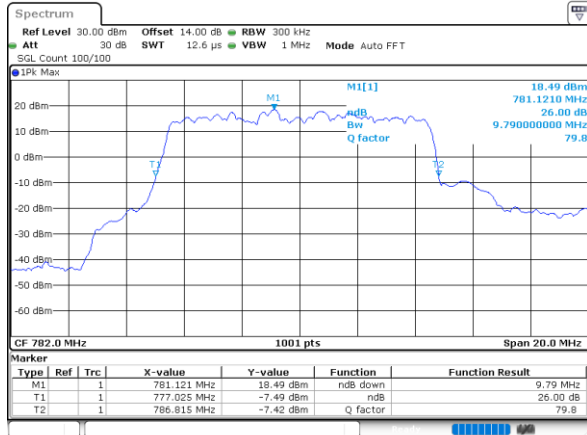
Highest Channel / 5MHz / 16QAM





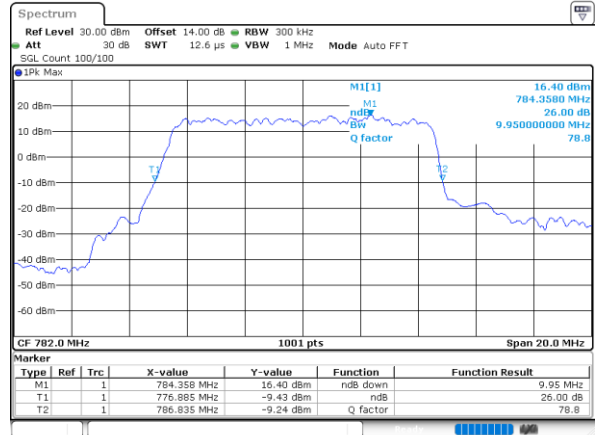
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 29.OCT.2022 20:57:52

Middle Channel / 10MHz / 16QAM



Date: 29.OCT.2022 20:57:28