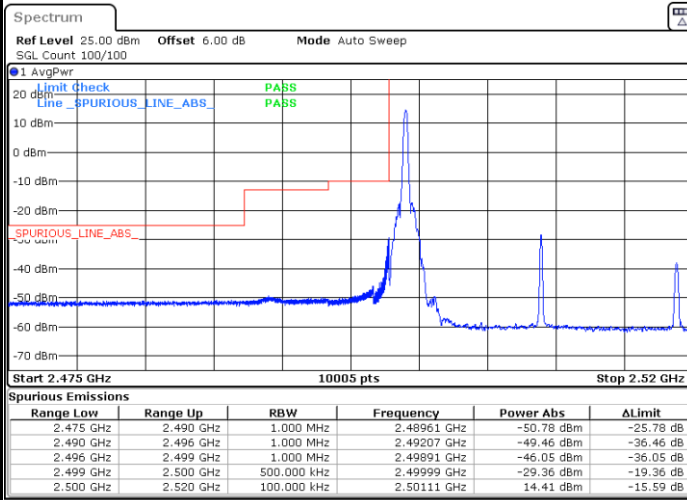




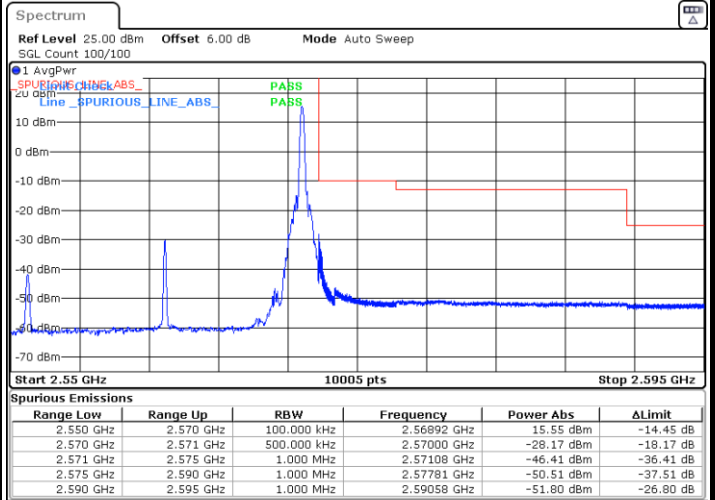
LTE Band 7 / 20MHz /256QAM

Lowest Band Edge / 1 RB



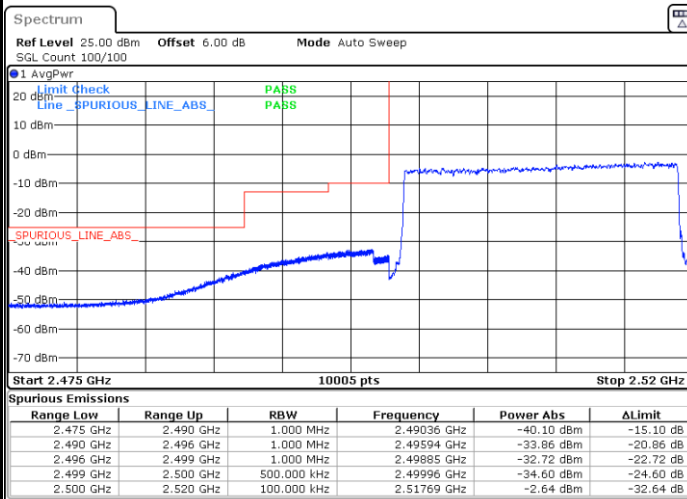
Date: 23.DEC.2022 14:43:41

Highest Band Edge / 1 RB



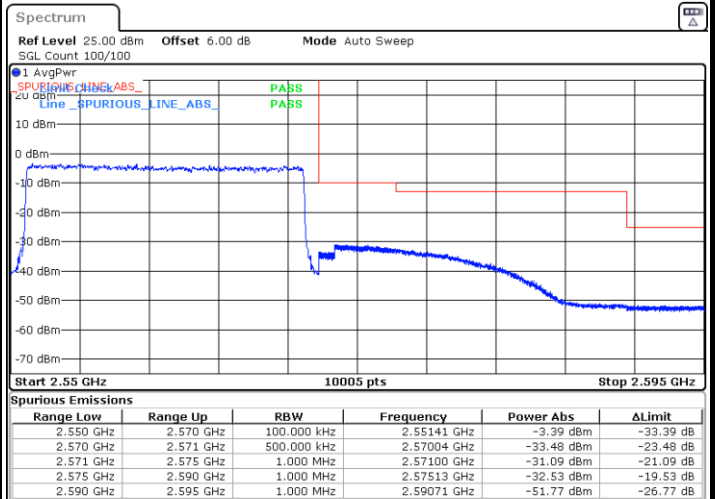
Date: 23.DEC.2022 14:52:44

Lowest Band Edge / Full RB



Date: 23.DEC.2022 14:46:07

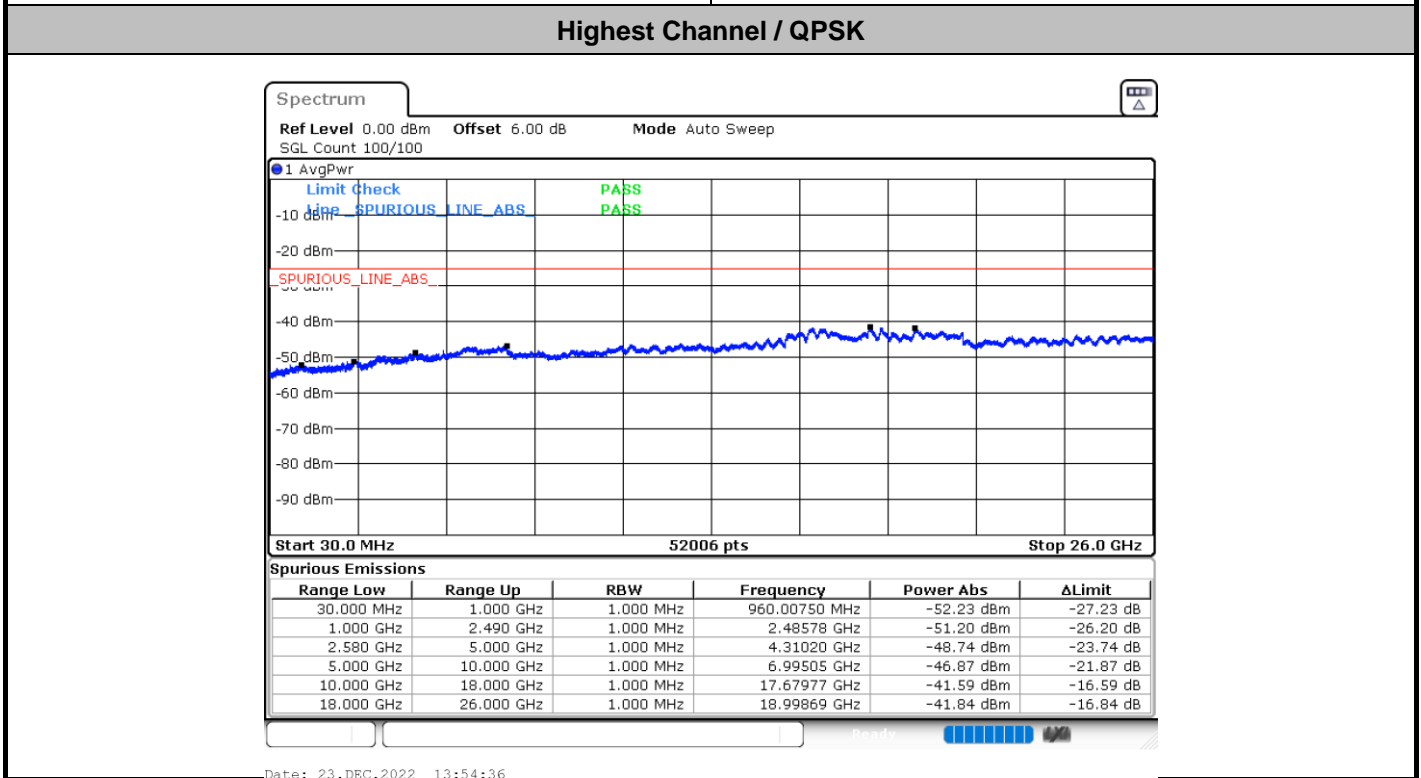
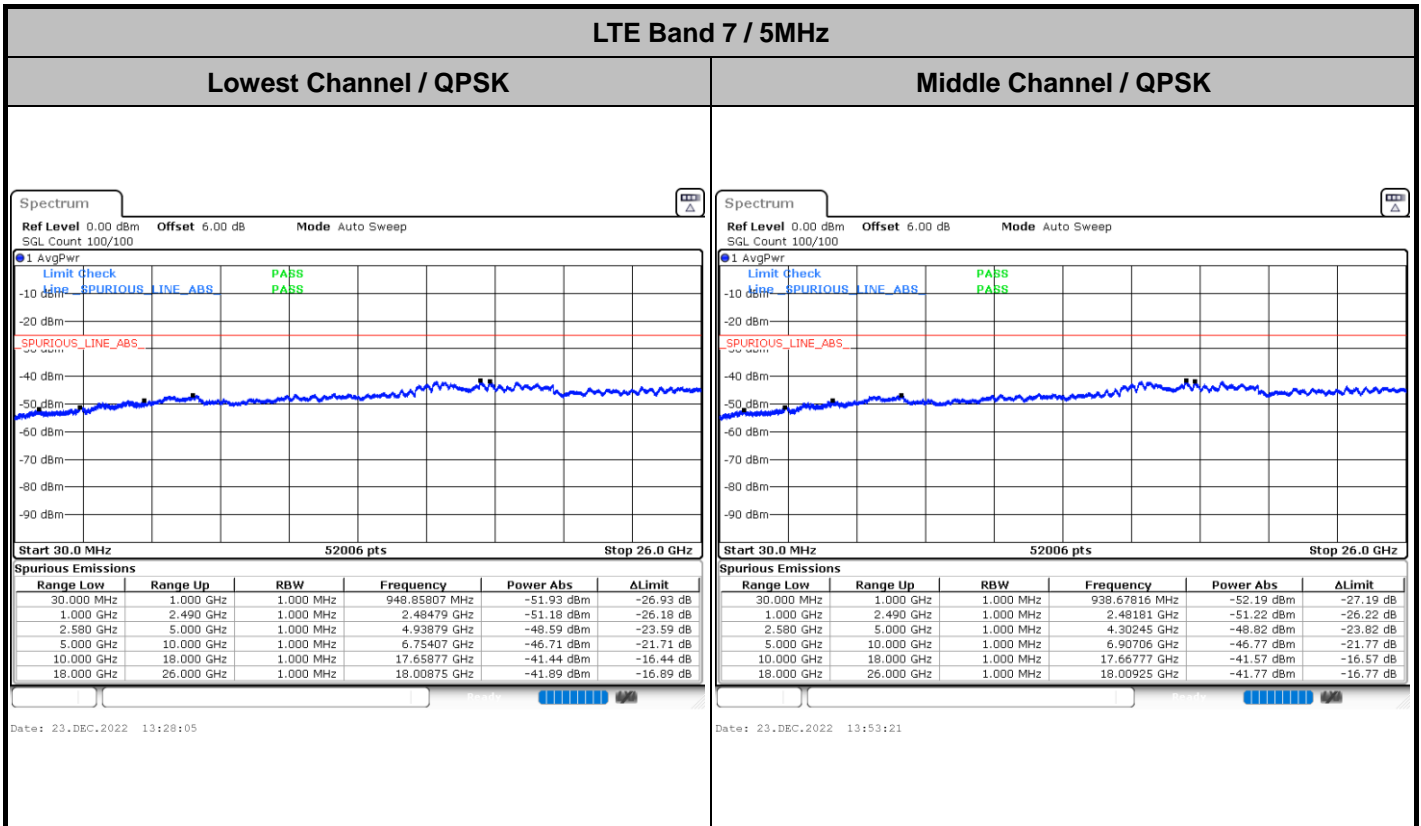
Highest Band Edge / Full RB



Date: 23.DEC.2022 14:55:09



Conducted Spurious Emission

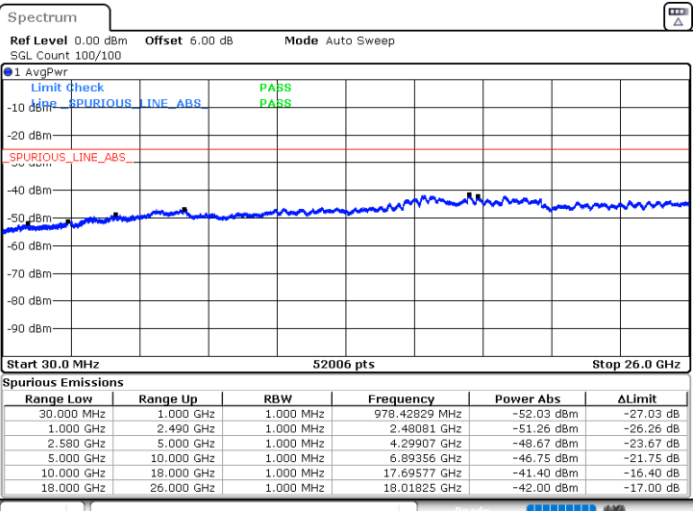
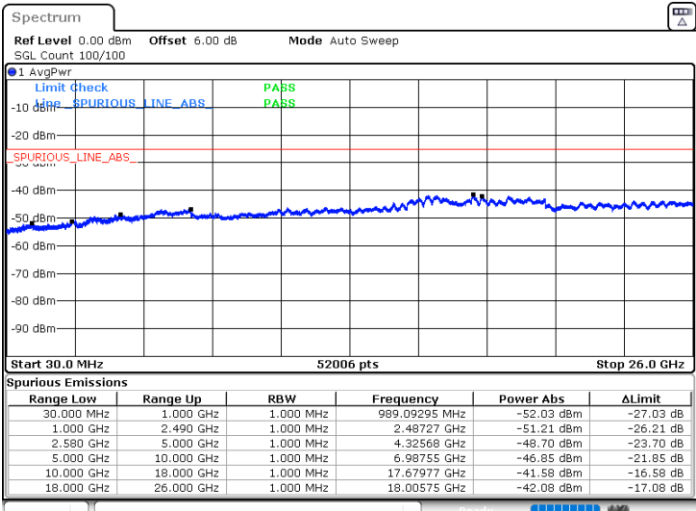




LTE Band 7 / 10MHz

Lowest Channel / QPSK

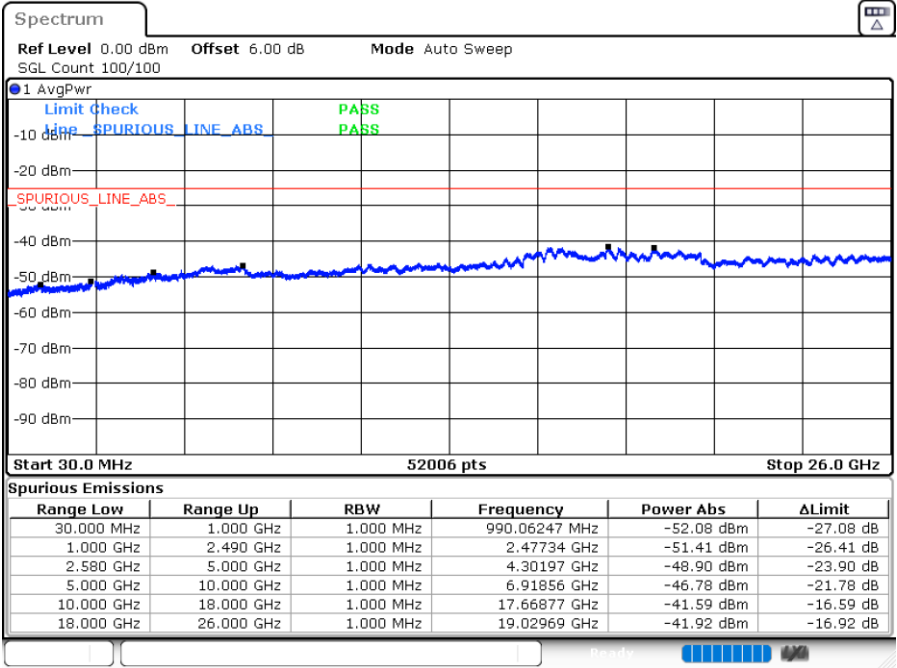
Middle Channel / QPSK



Date: 23.DEC.2022 14:05:37

Date: 23.DEC.2022 14:17:05

Highest Channel / QPSK



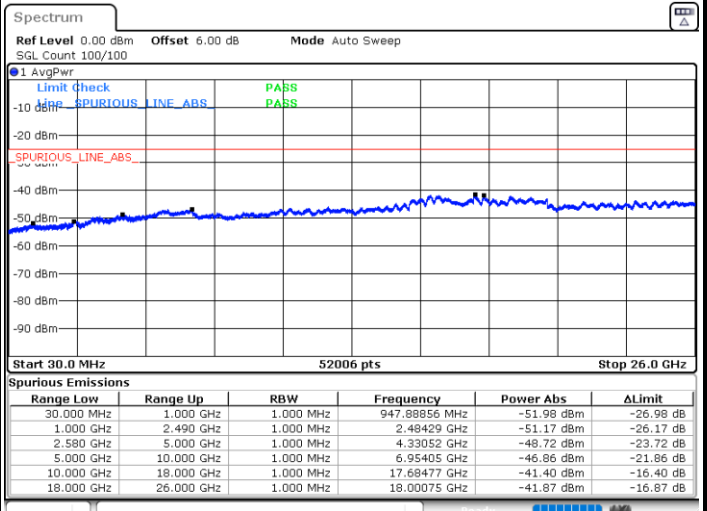
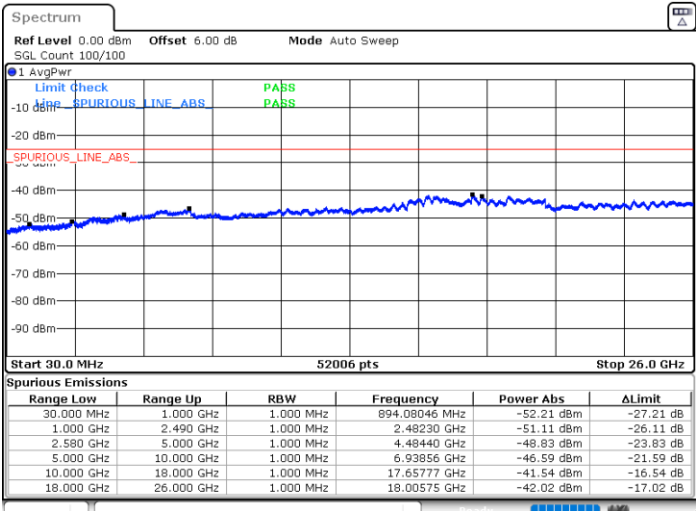
Date: 23.DEC.2022 14:18:20



LTE Band 7 / 15MHz

Lowest Channel / QPSK

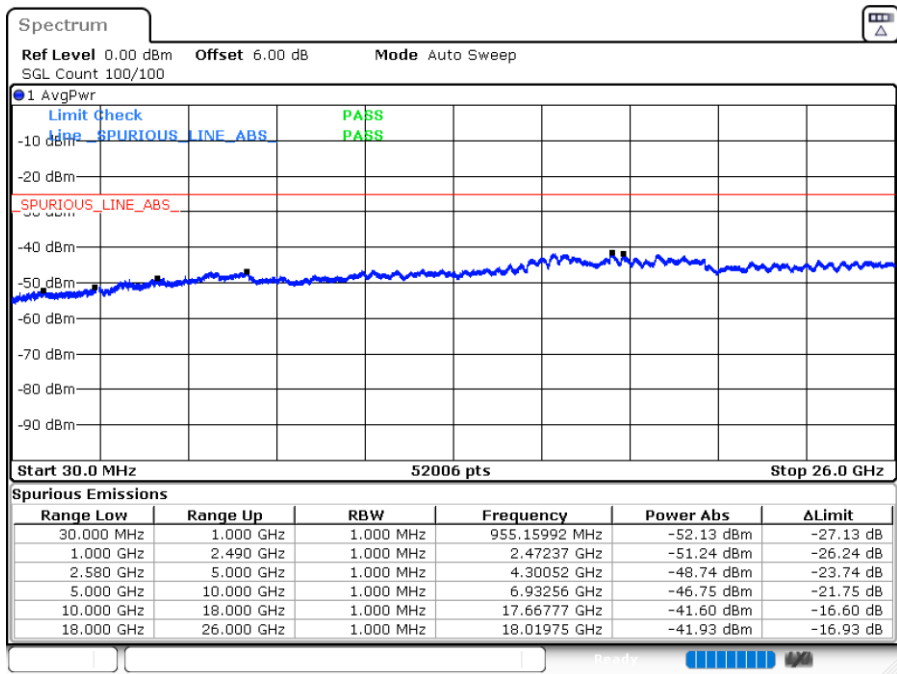
Middle Channel / QPSK



Date: 23.DEC.2022 14:24:59

Date: 23.DEC.2022 14:32:38

Highest Channel / QPSK



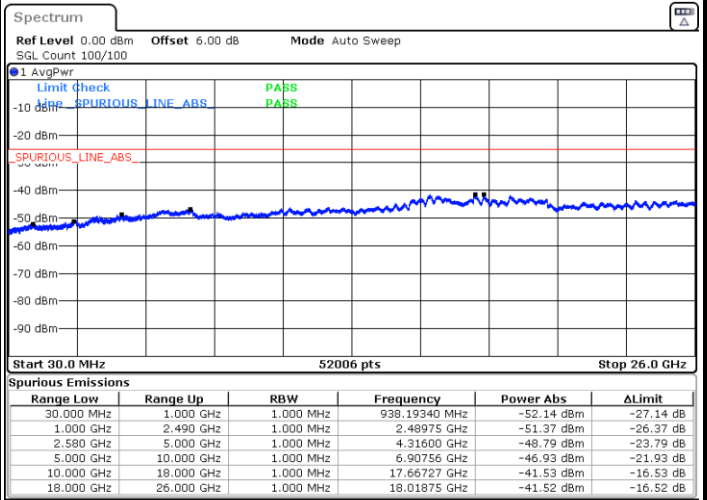
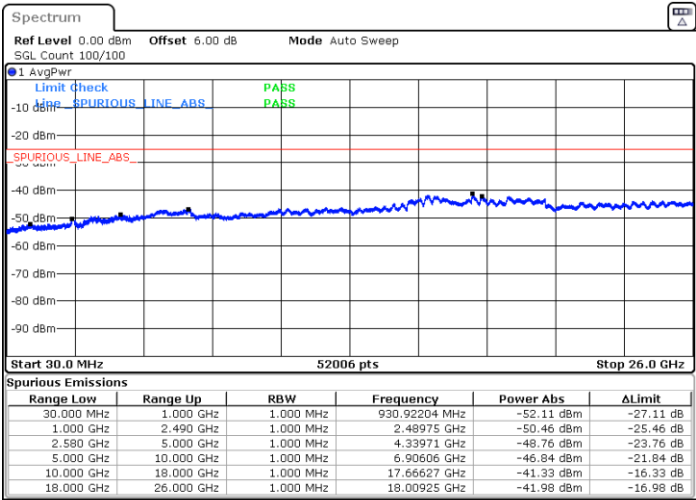
Date: 23.DEC.2022 14:33:53



LTE Band 7 / 20MHz

Lowest Channel / QPSK

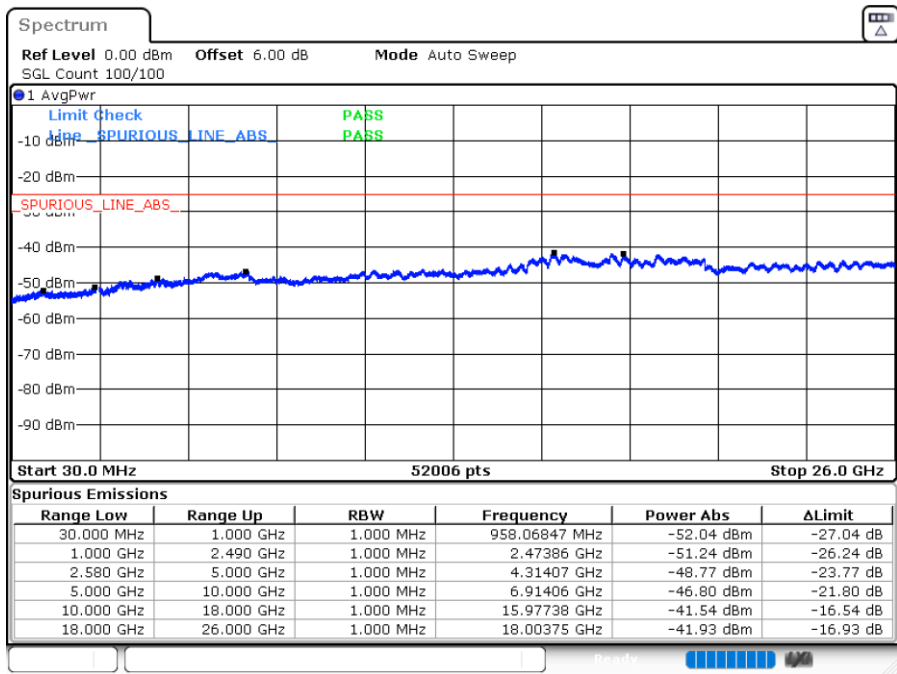
Middle Channel / QPSK



Date: 23.DEC.2022 14:41:17

Date: 23.DEC.2022 14:49:07

Highest Channel / QPSK



Date: 23.DEC.2022 14:50:22



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

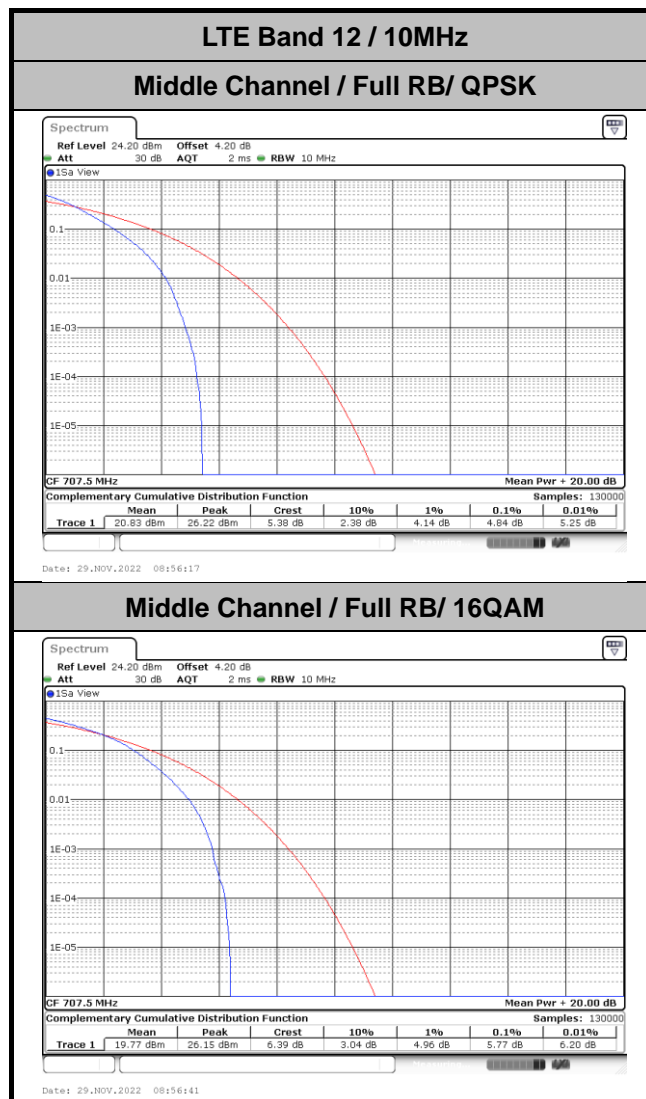
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.51 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

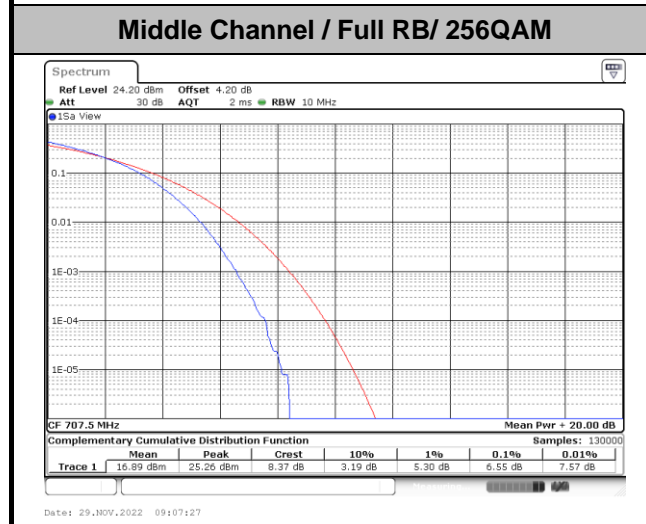
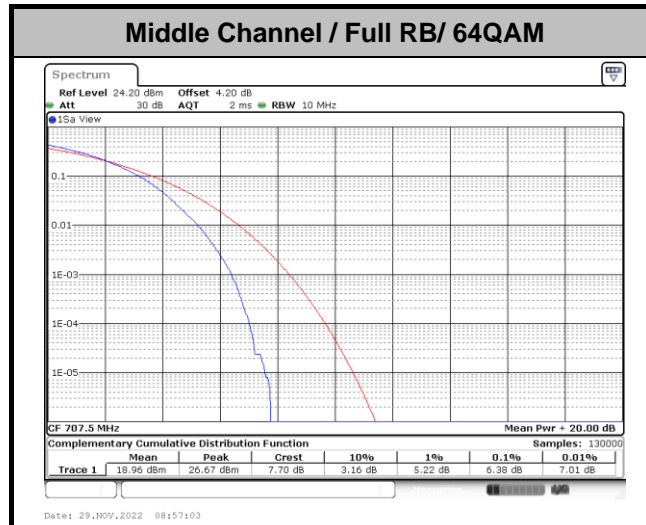


LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.84	5.77	6.38	6.55	PASS

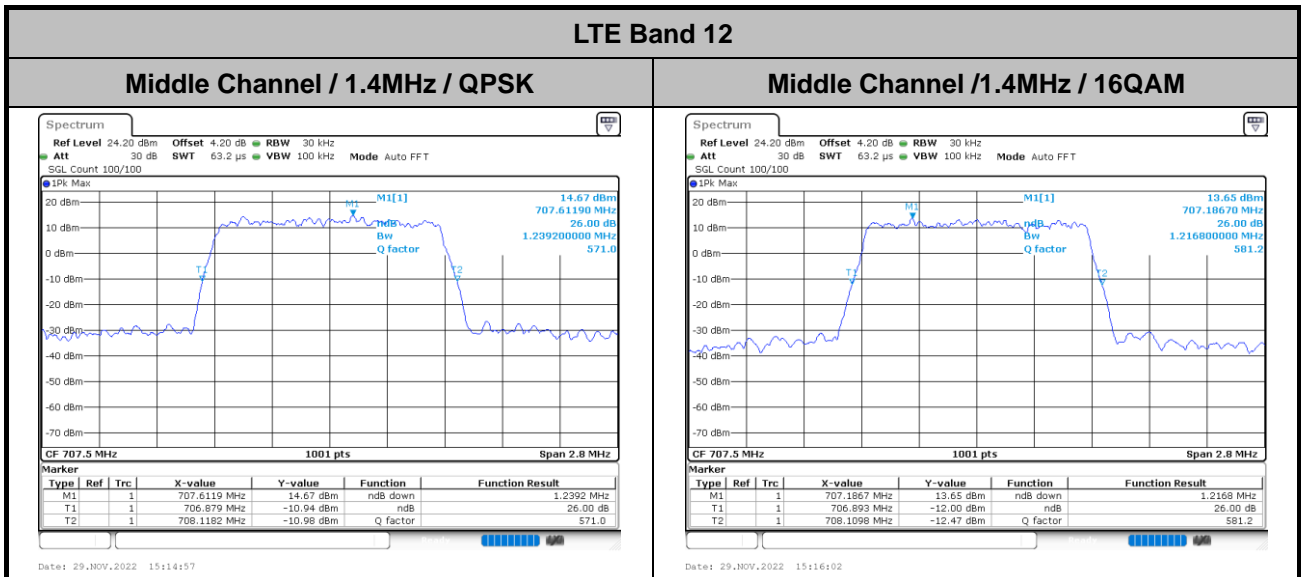






26dB Bandwidth

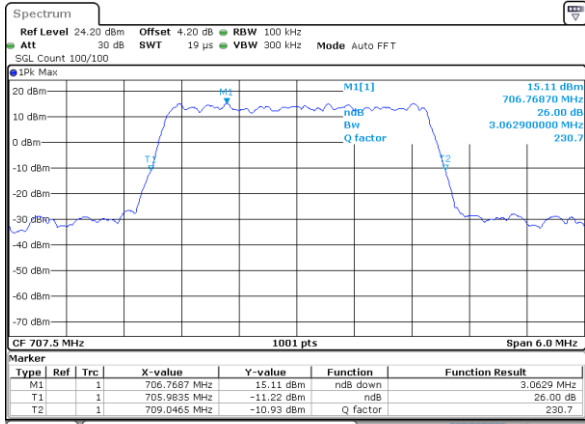
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.24	1.22
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.06	3.00
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.94	4.86
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.75	9.73





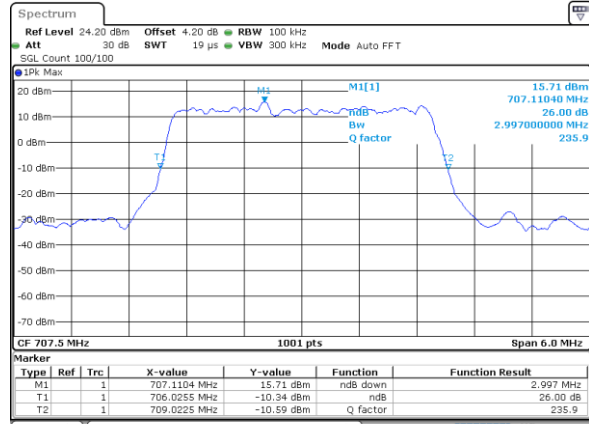
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 29_NOV.2022 15:19:37

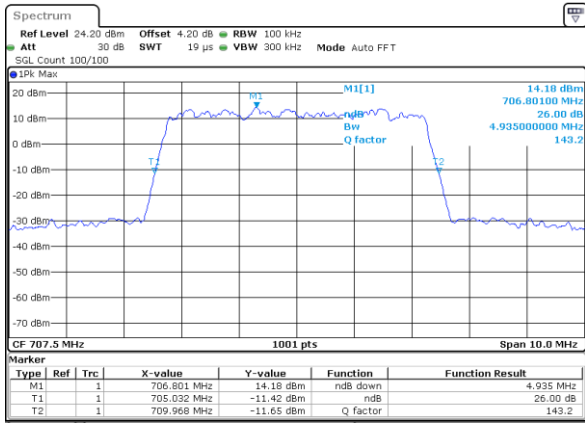
Middle Channel / 3MHz / 16QAM



Date: 29_NOV.2022 15:20:16

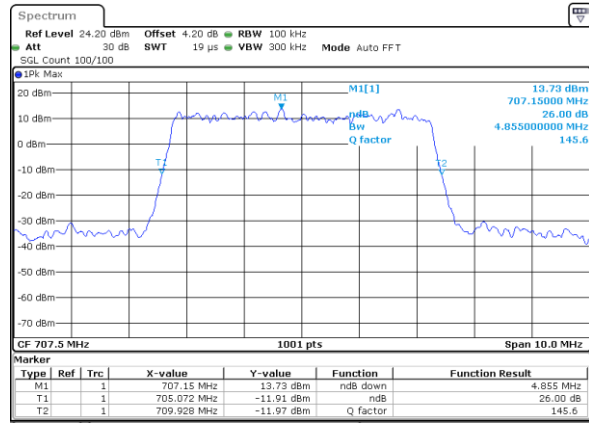
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 29_NOV.2022 15:22:01

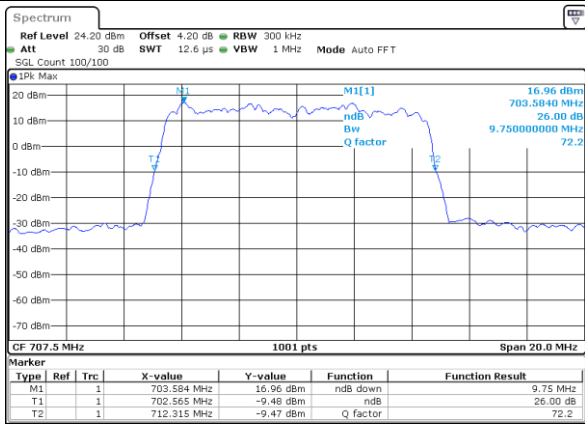
Middle Channel / 5MHz / 16QAM



Date: 29_NOV.2022 15:22:43

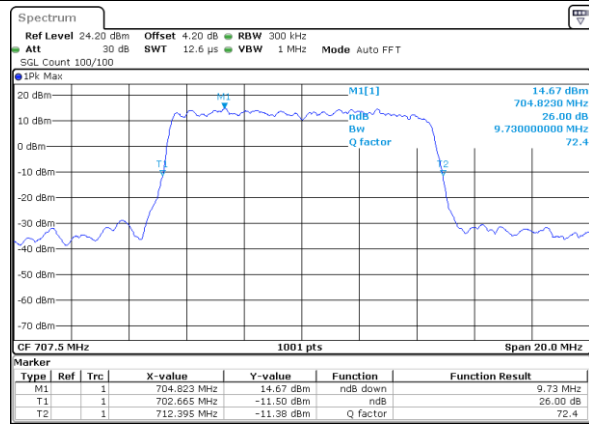
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 29_NOV.2022 08:58:08

Middle Channel / 10MHz / 16QAM

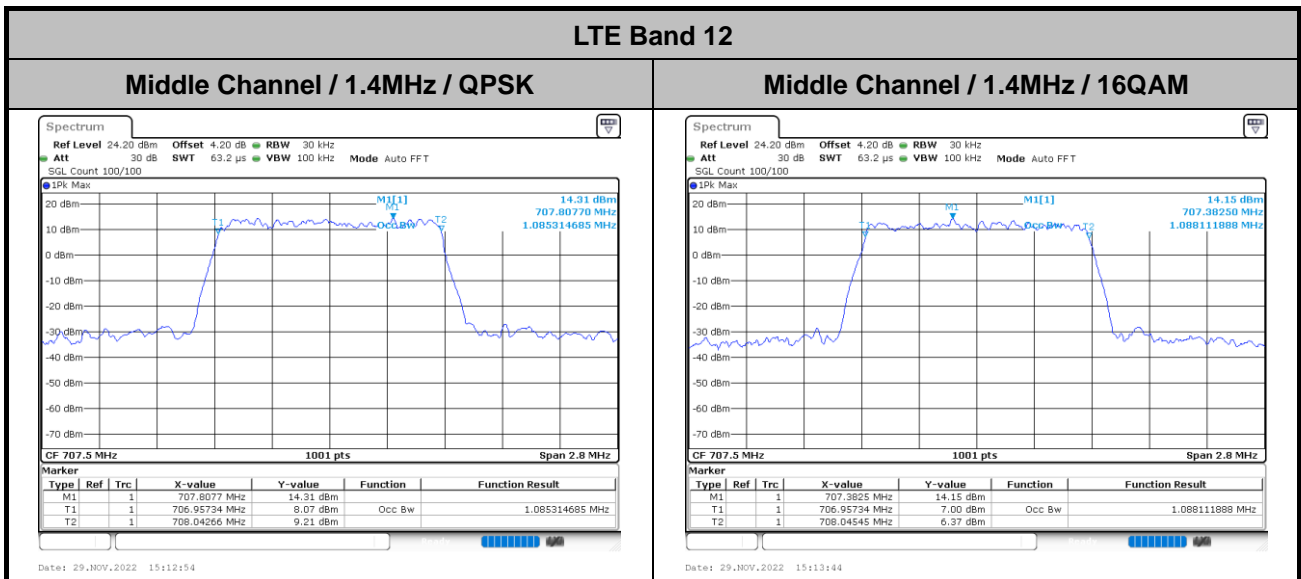


Date: 29_NOV.2022 08:58:30



Occupied Bandwidth

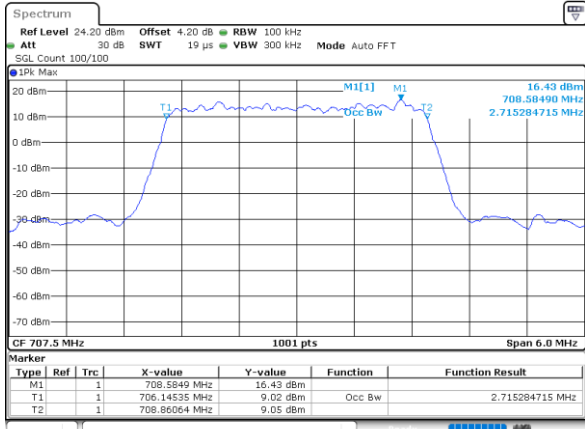
Mode	LTE Band 12 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.73
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.99	9.03





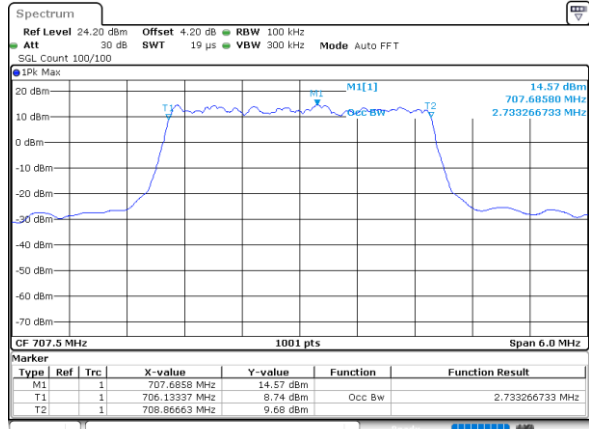
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 29_NOV_2022 15:18:17

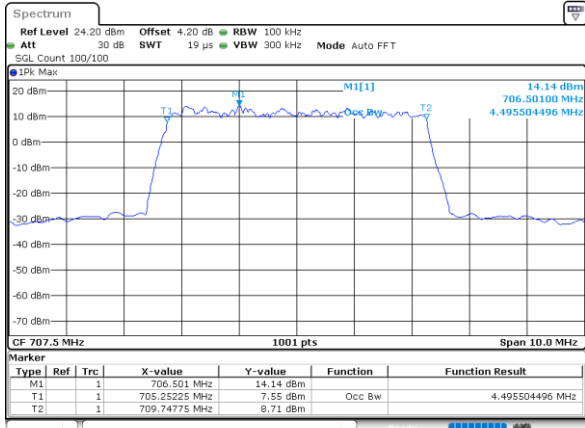
Middle Channel / 3MHz / 16QAM



Date: 29_NOV_2022 15:19:00

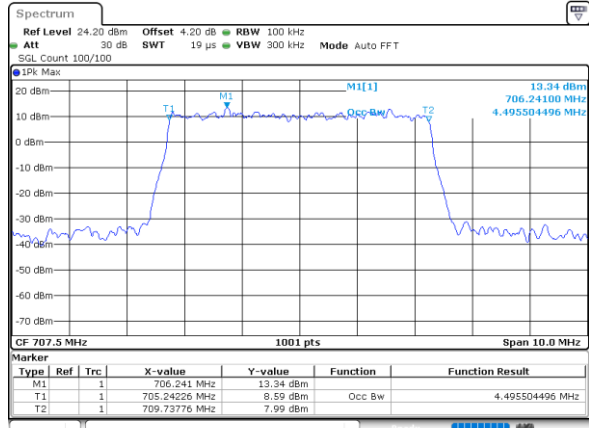
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 29_NOV_2022 15:20:57

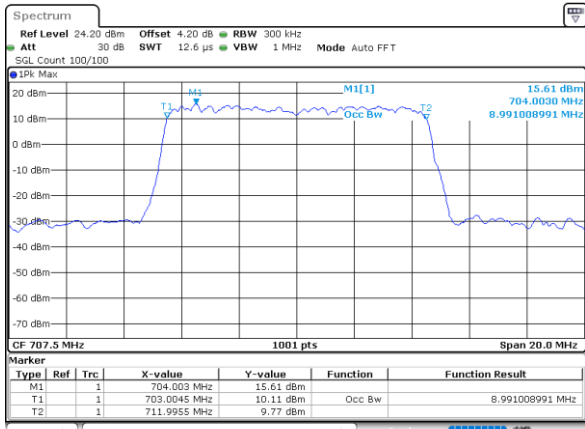
Middle Channel / 5MHz / 16QAM



Date: 29_NOV_2022 15:21:25

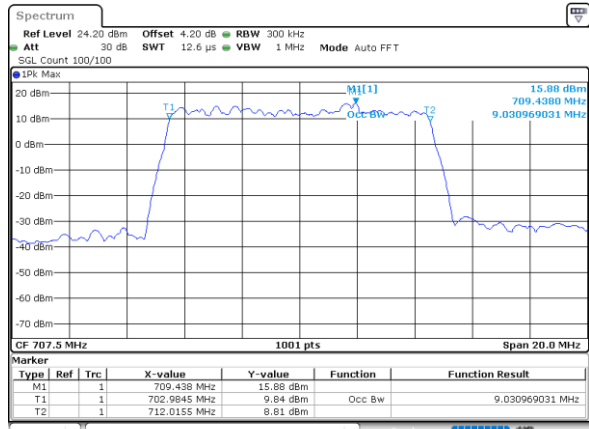
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 29_NOV_2022 08:57:25

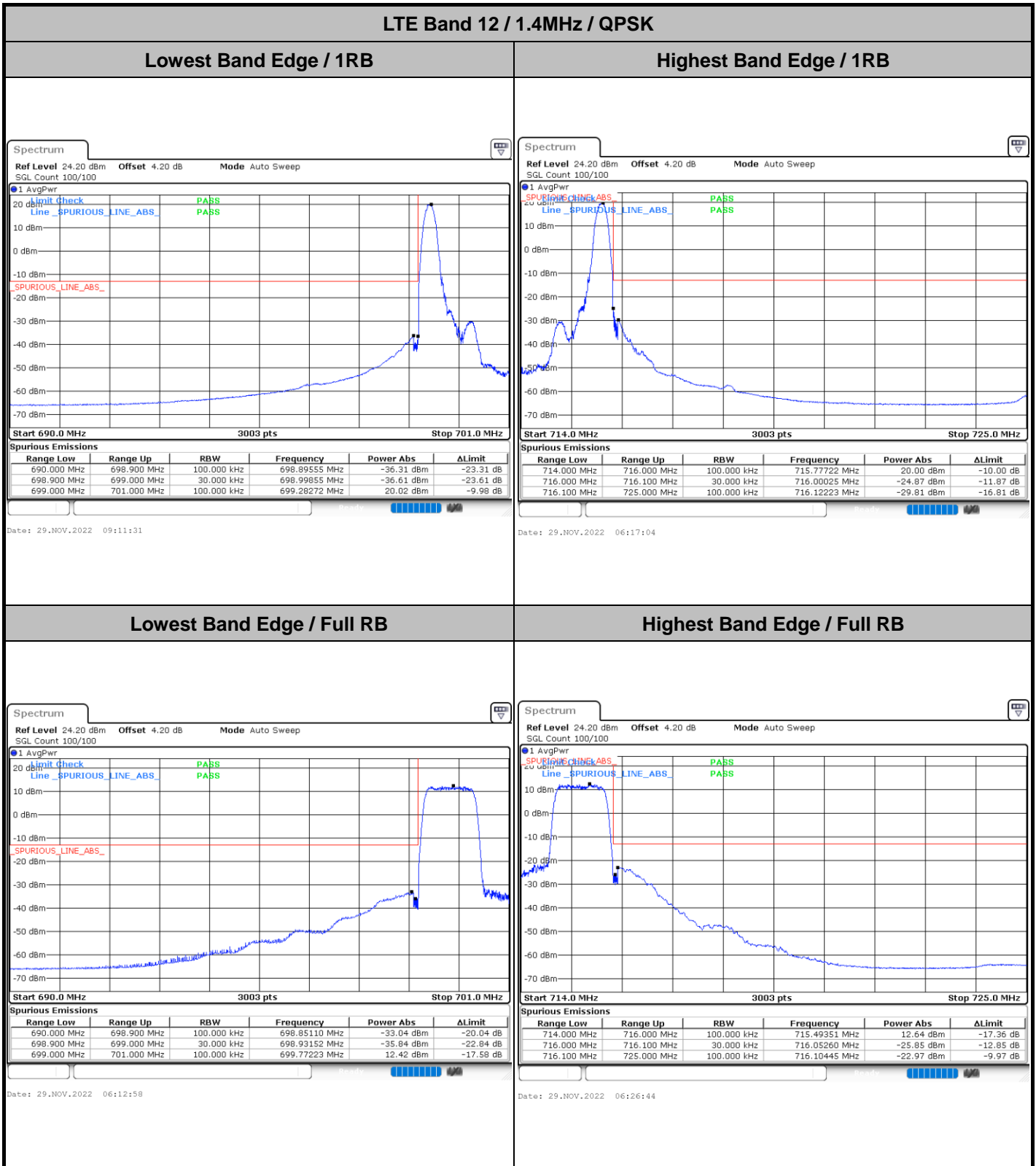
Middle Channel / 10MHz / 16QAM



Date: 29_NOV_2022 08:57:47



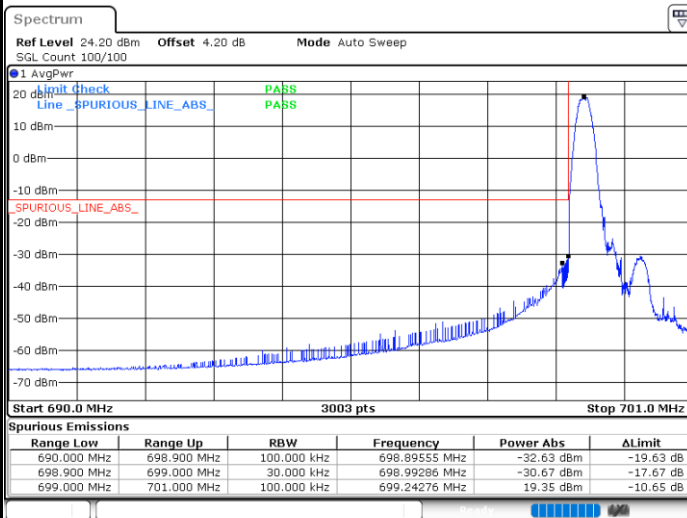
Conducted Band Edge



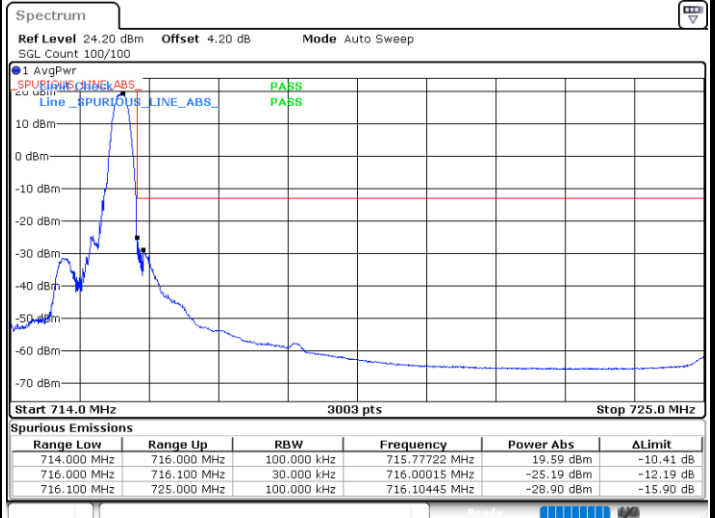


LTE Band 12 / 1.4MHz / 16QAM

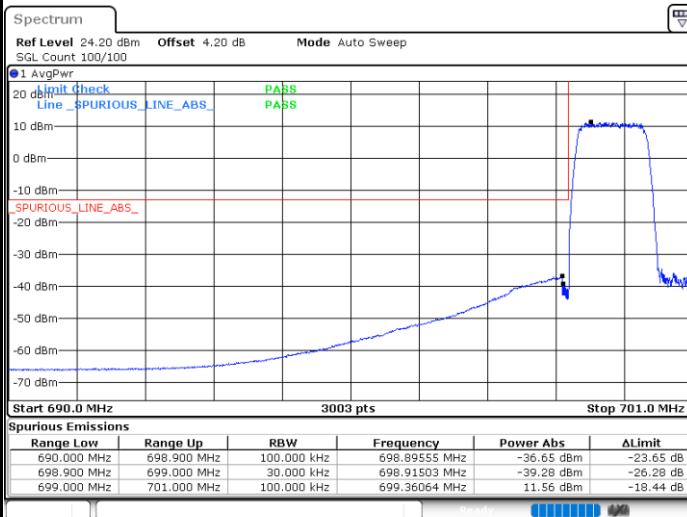
Lowest Band Edge / 1 RB



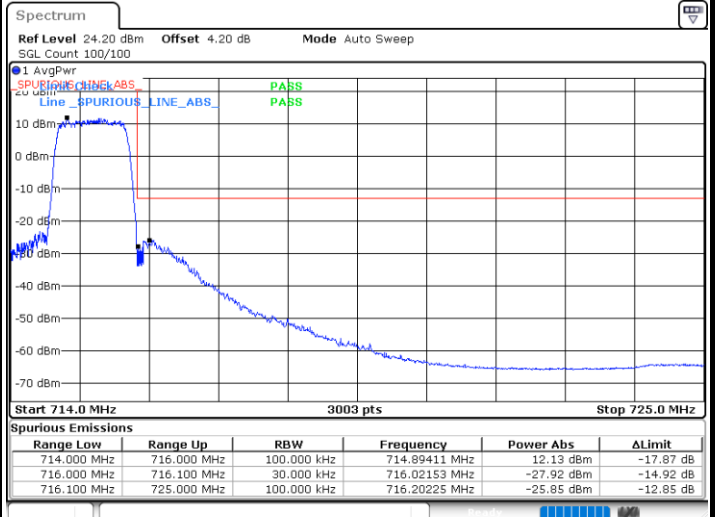
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



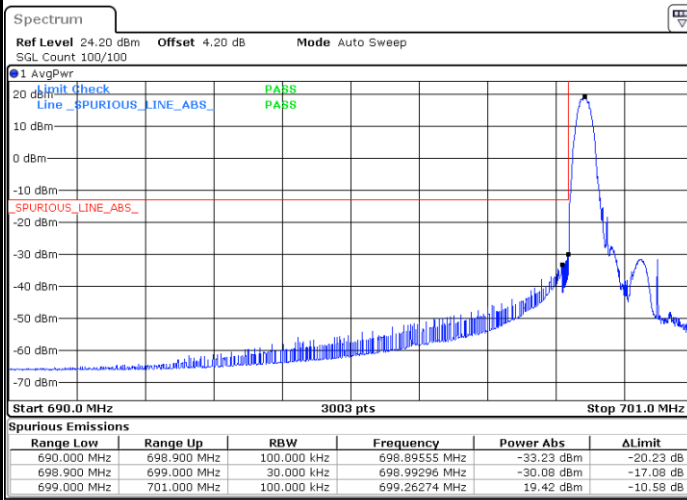
Highest Band Edge / Full RB





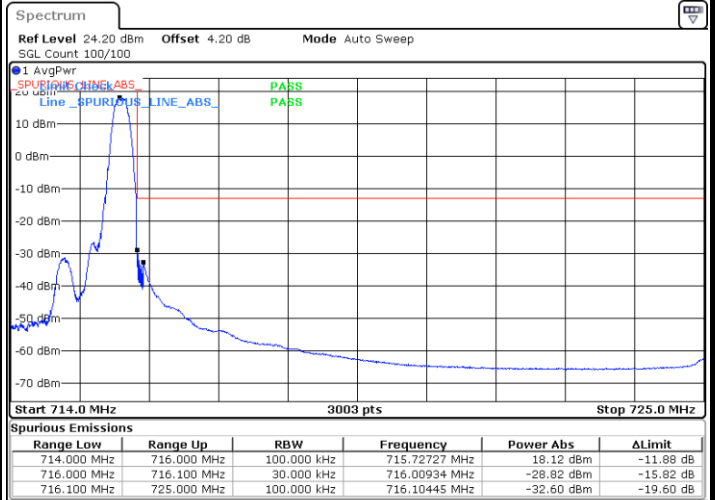
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



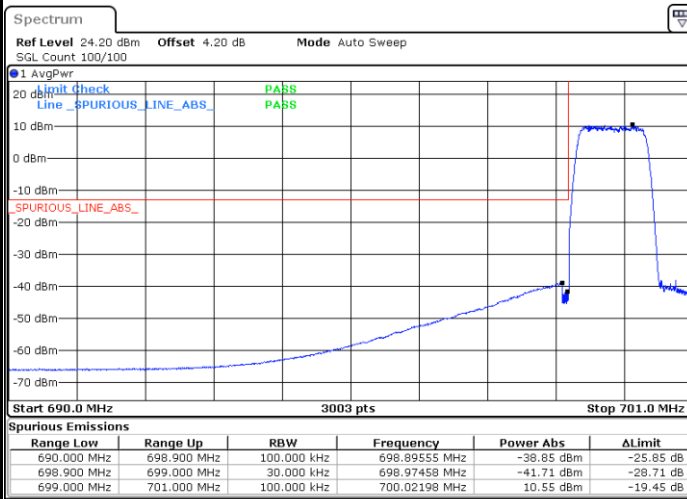
Date: 29.NOV.2022 05:51:50

Highest Band Edge / 1 RB



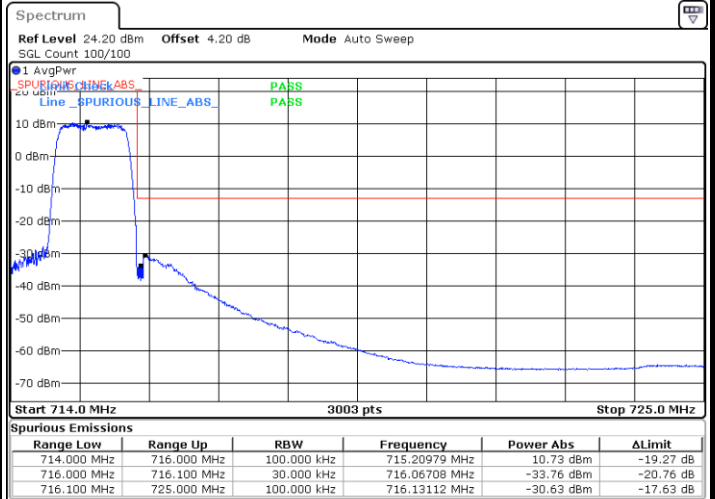
Date: 29.NOV.2022 06:19:49

Lowest Band Edge / Full RB



Date: 29.NOV.2022 06:10:15

Highest Band Edge / Full RB

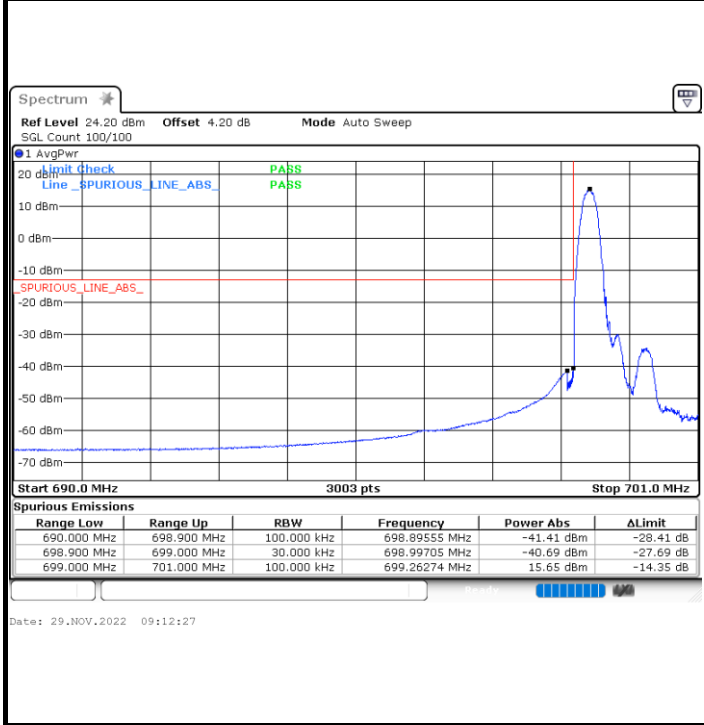


Date: 29.NOV.2022 06:23:59

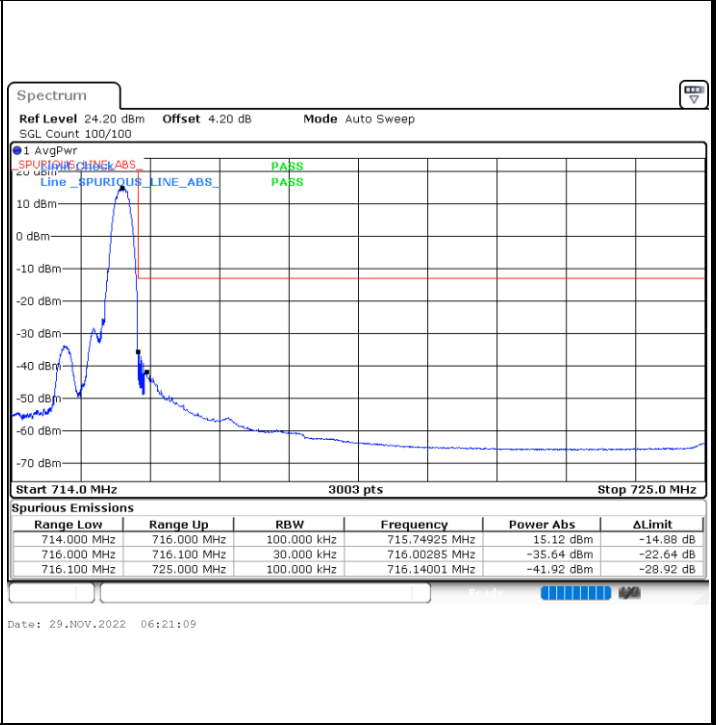


LTE Band 12 / 1.4MHz / 256QAM

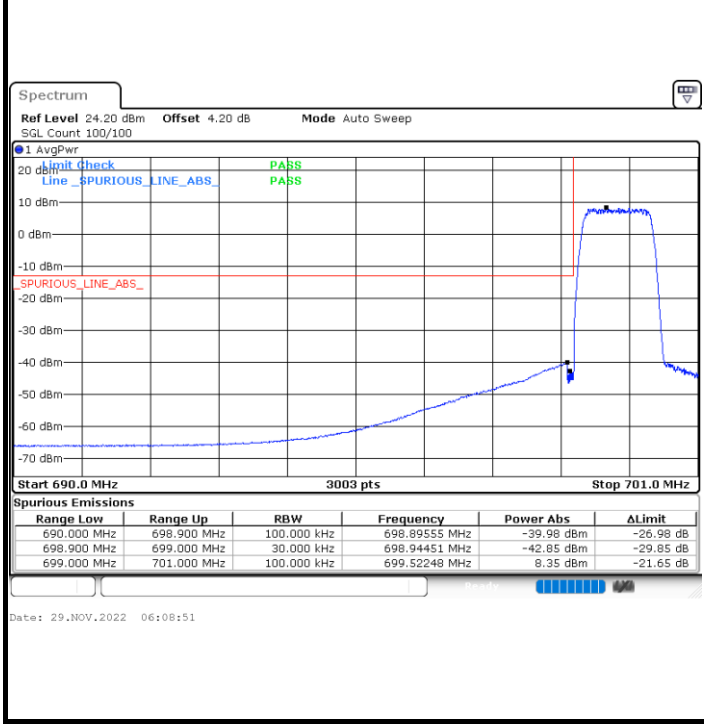
Lowest Band Edge / 1 RB



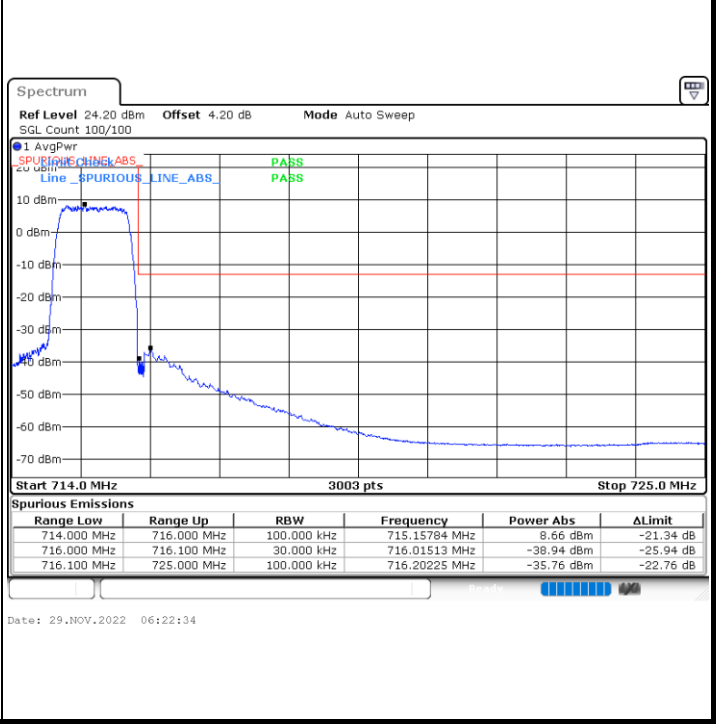
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



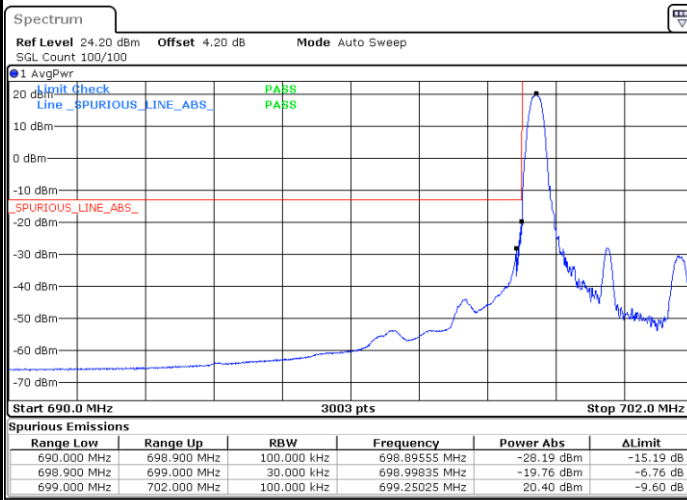
Highest Band Edge / Full RB



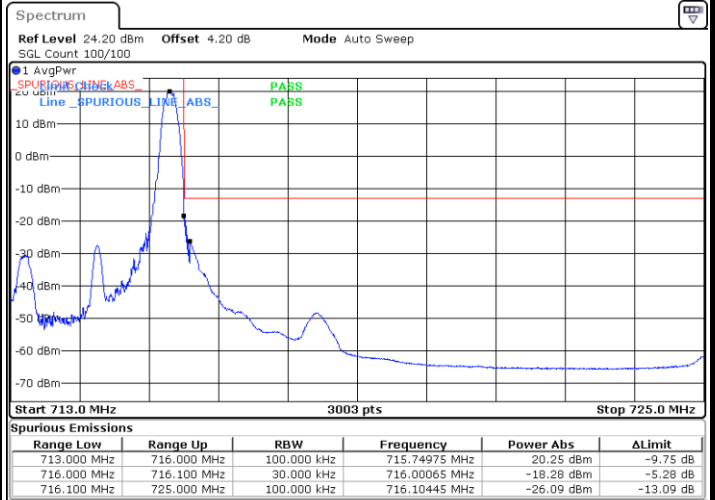


LTE Band 12 / 3MHz / QPSK

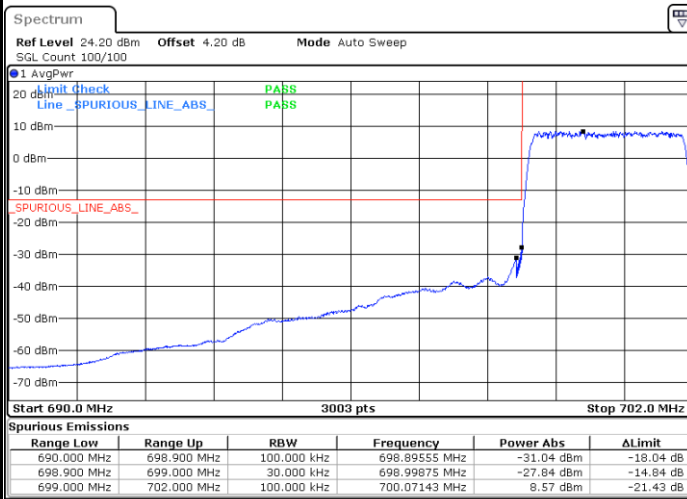
Lowest Band Edge / 1RB



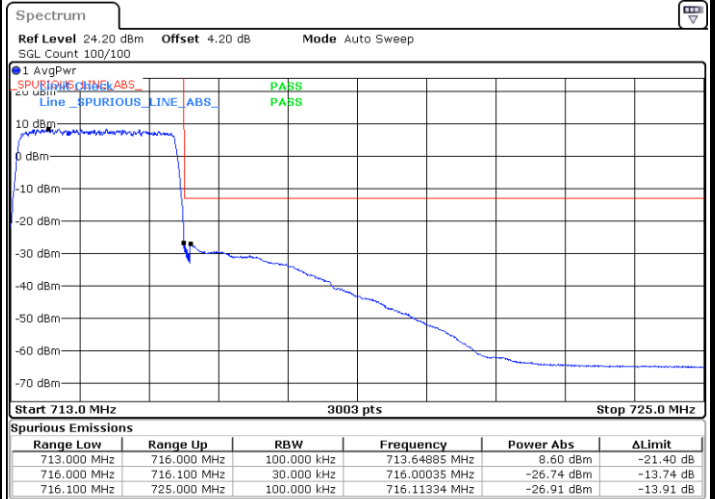
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



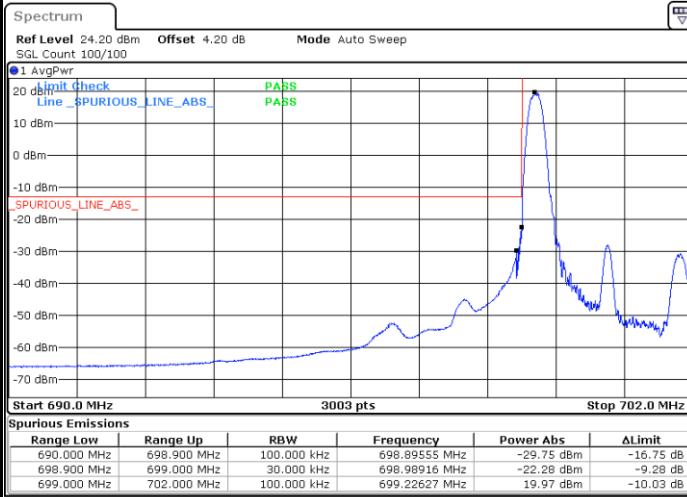
Highest Band Edge / Full RB





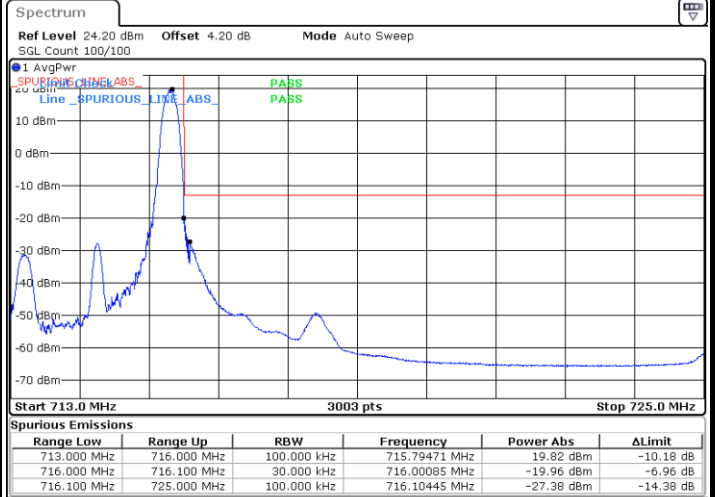
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



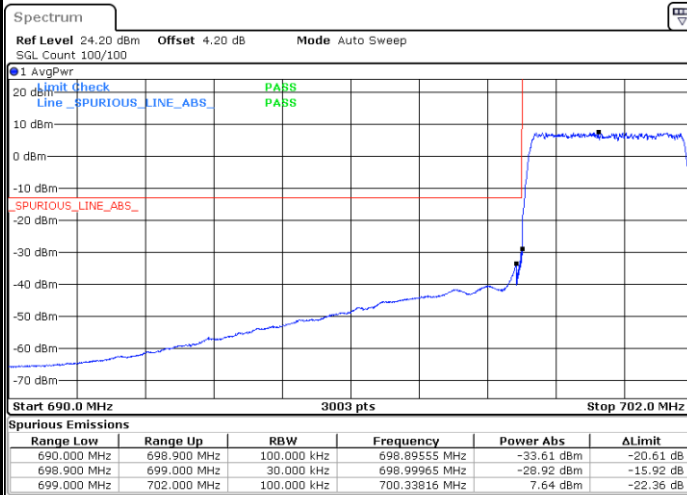
Date: 29.NOV.2022 06:30:53

Highest Band Edge / 1 RB



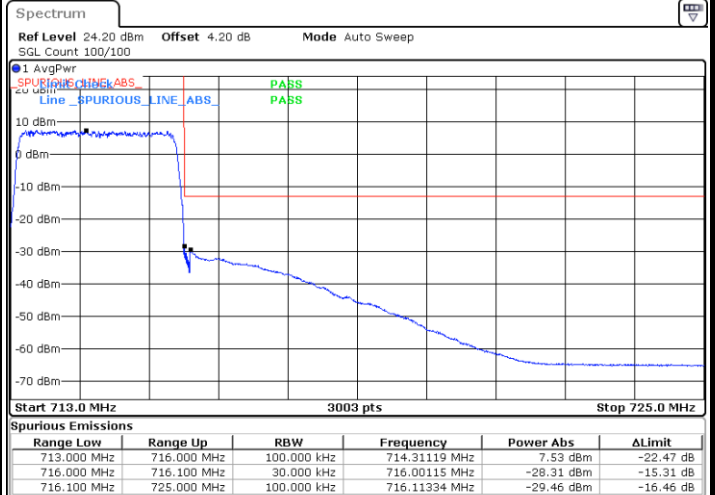
Date: 29.NOV.2022 07:05:43

Lowest Band Edge / Full RB



Date: 29.NOV.2022 06:58:52

Highest Band Edge / Full RB

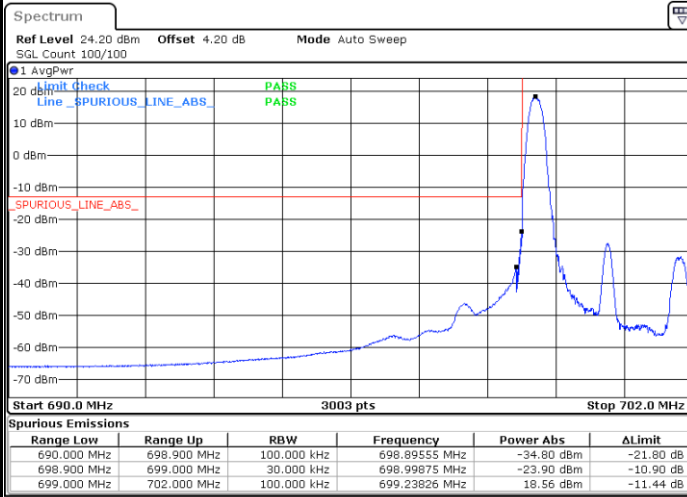


Date: 29.NOV.2022 07:21:38



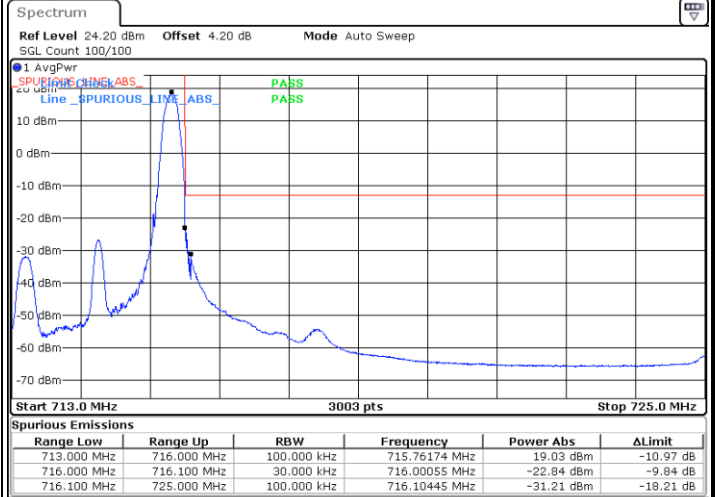
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



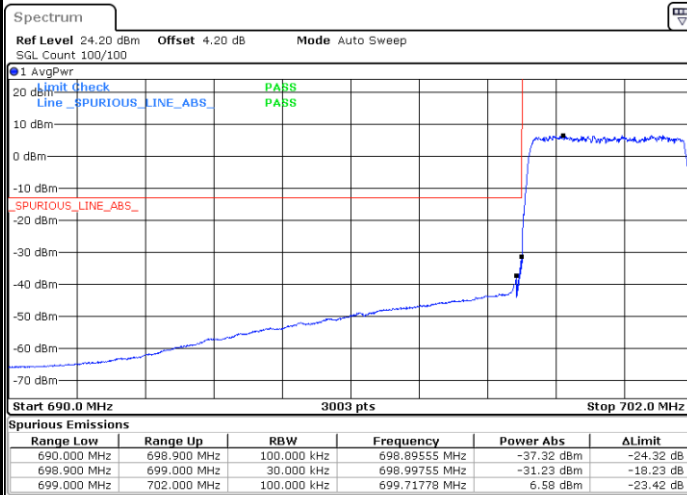
Date: 29.NOV.2022 06:32:16

Highest Band Edge / 1 RB



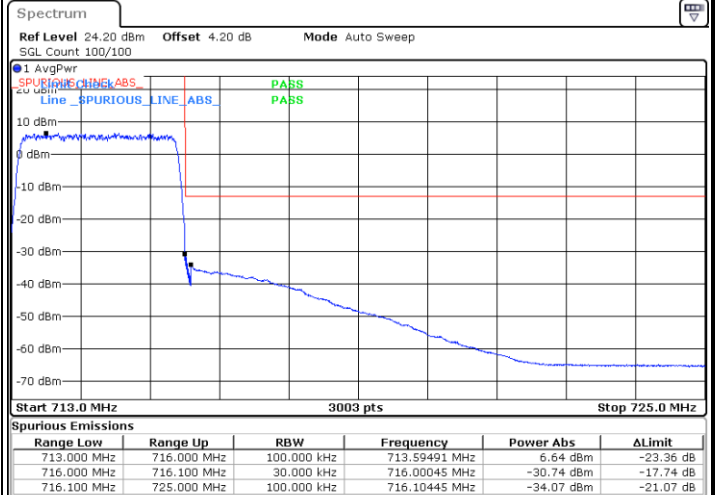
Date: 29.NOV.2022 07:07:04

Lowest Band Edge / Full RB



Date: 29.NOV.2022 06:57:30

Highest Band Edge / Full RB

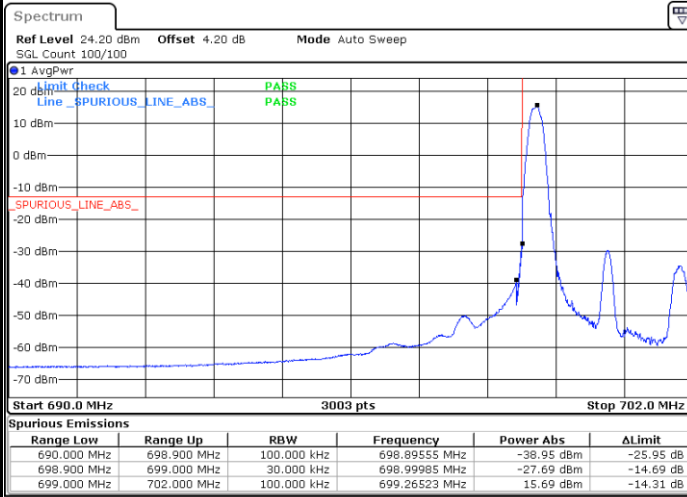


Date: 29.NOV.2022 07:11:17



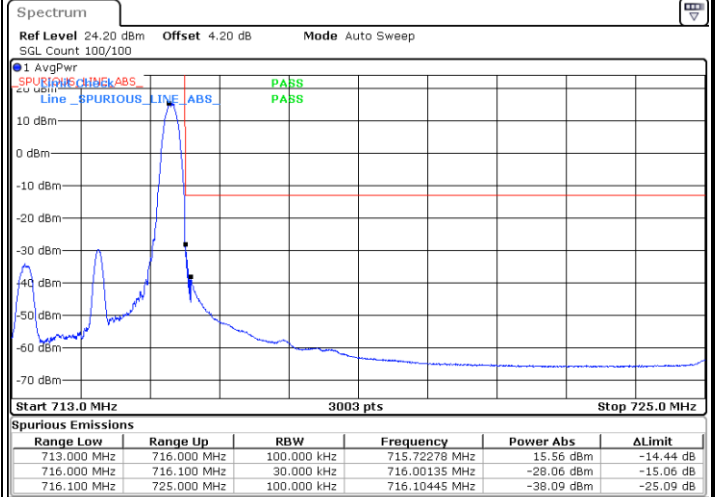
LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



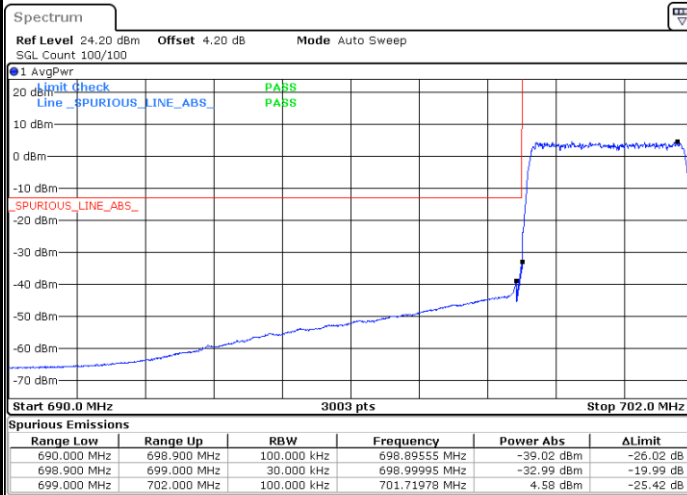
Date: 29.NOV.2022 06:33:38

Highest Band Edge / 1 RB



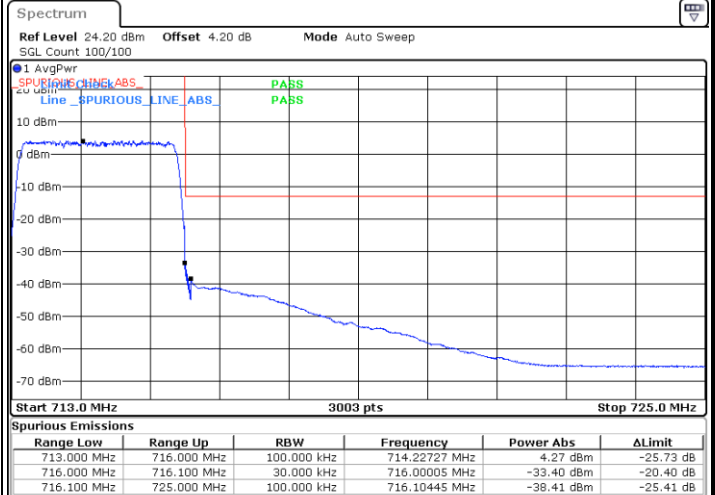
Date: 29.NOV.2022 07:08:27

Lowest Band Edge / Full RB



Date: 29.NOV.2022 06:36:08

Highest Band Edge / Full RB

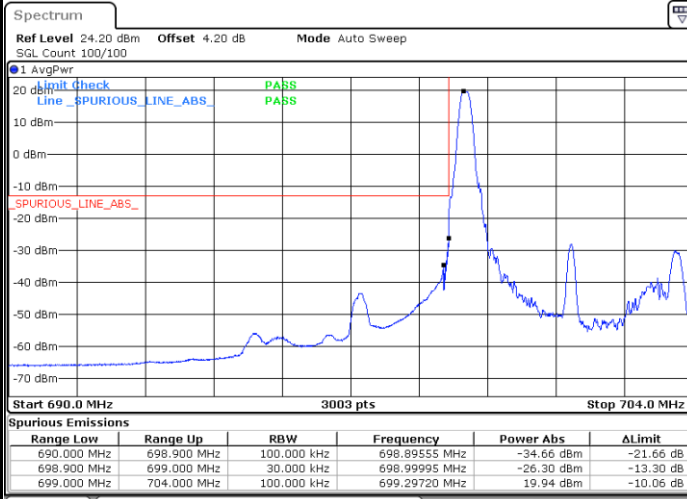


Date: 29.NOV.2022 07:09:53



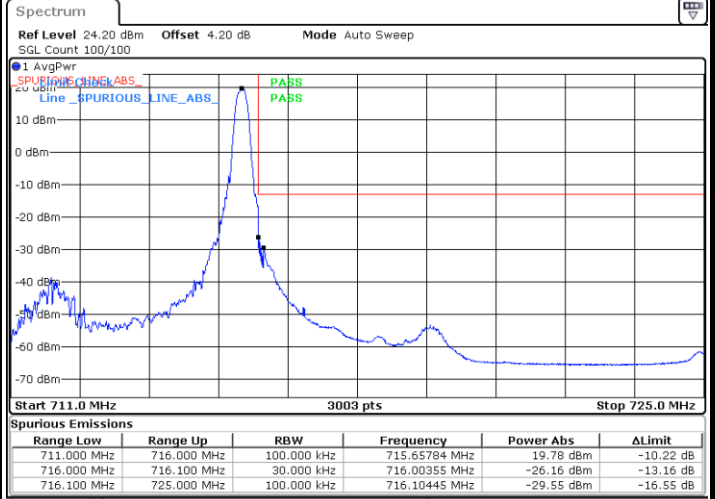
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



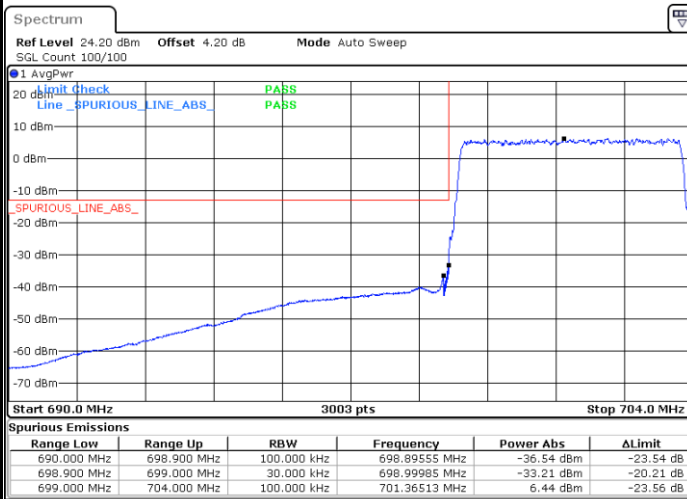
Date: 29.NOV.2022 07:25:46

Highest Band Edge / 1 RB



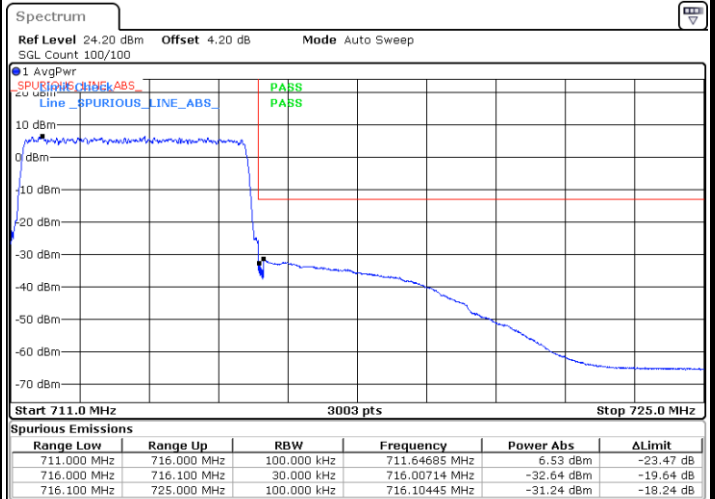
Date: 29.NOV.2022 07:40:12

Lowest Band Edge / Full RB



Date: 29.NOV.2022 07:36:02

Highest Band Edge / Full RB

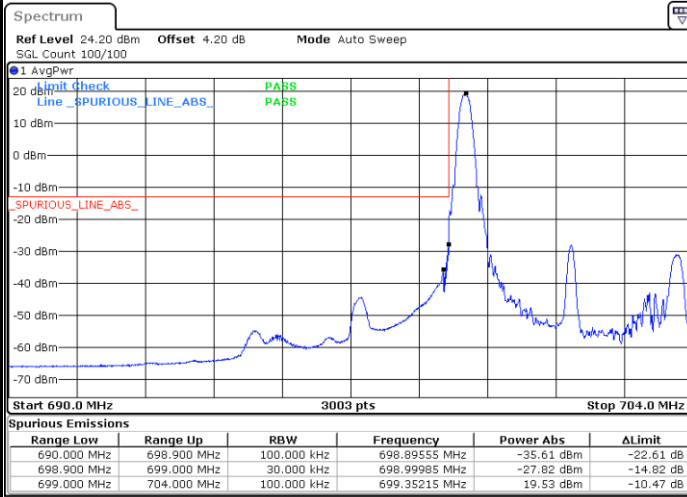


Date: 29.NOV.2022 07:49:56



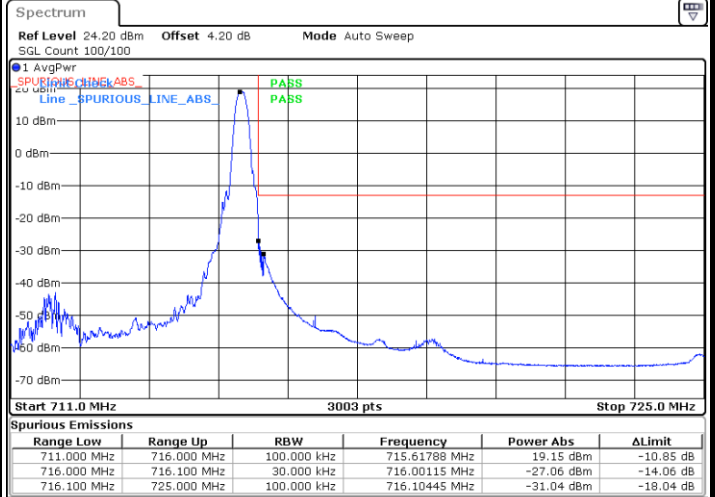
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



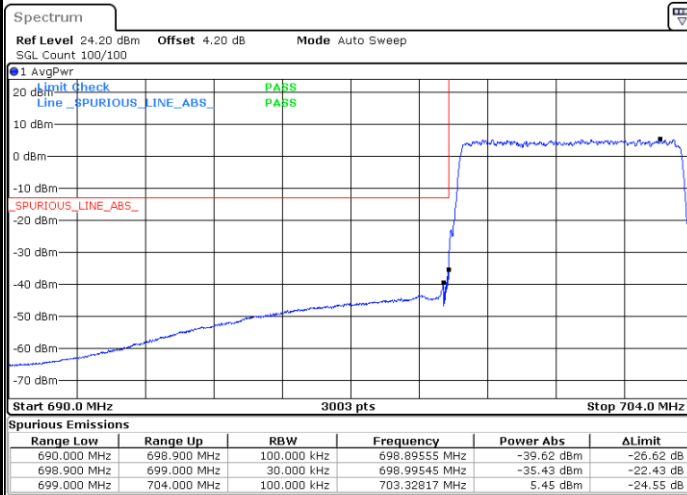
Date: 29.NOV.2022 07:27:08

Highest Band Edge / 1 RB



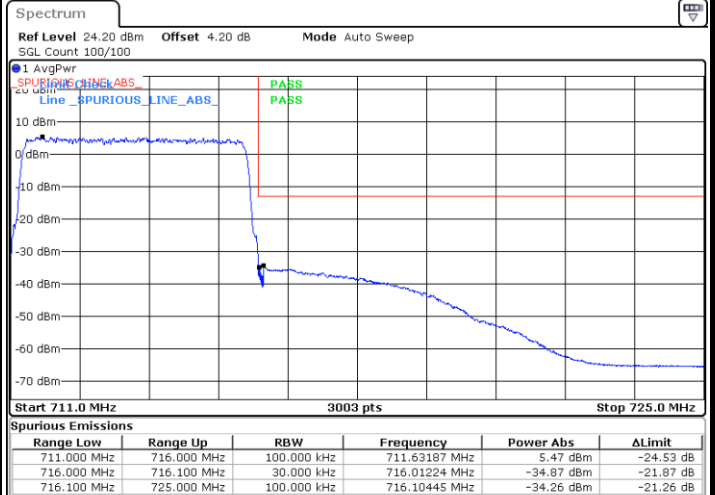
Date: 29.NOV.2022 07:41:34

Lowest Band Edge / Full RB



Date: 29.NOV.2022 07:34:40

Highest Band Edge / Full RB

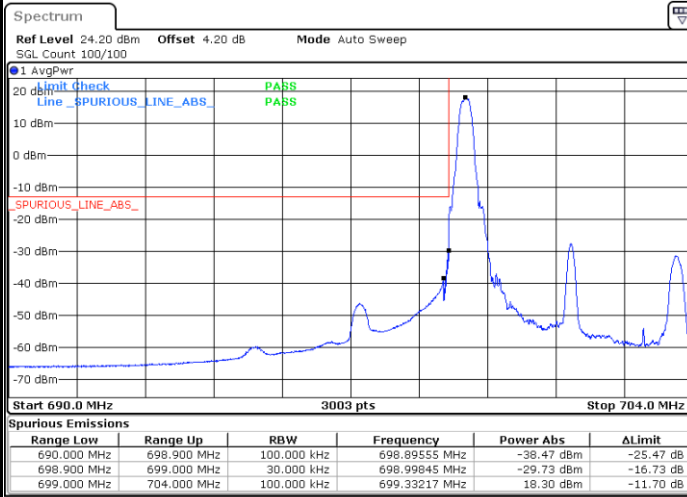


Date: 29.NOV.2022 07:48:34



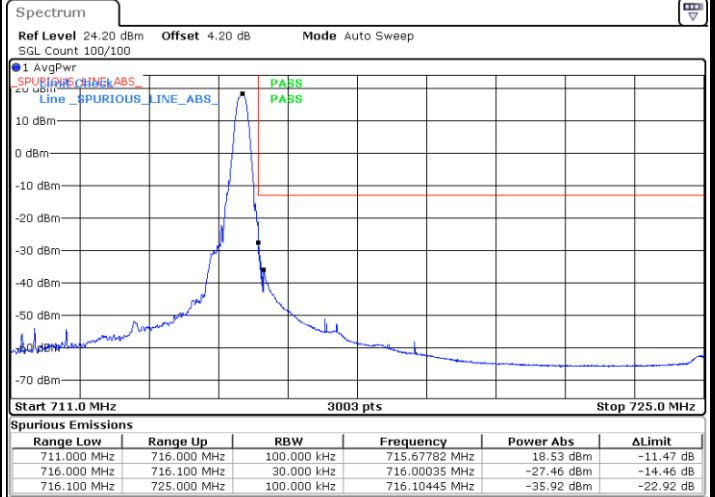
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



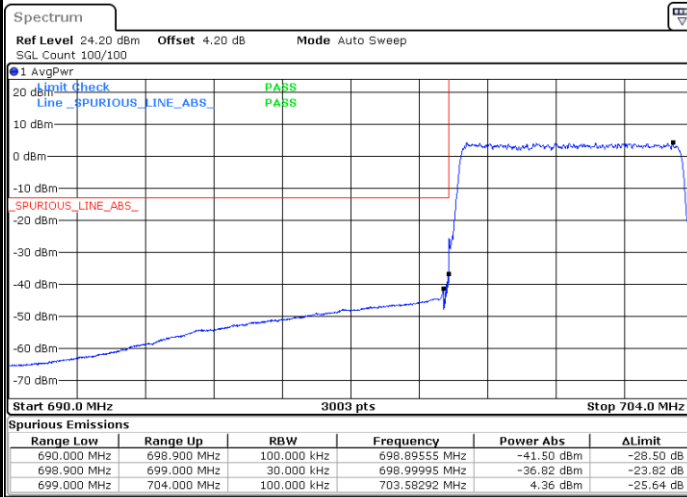
Date: 29.NOV.2022 07:28:31

Highest Band Edge / 1 RB



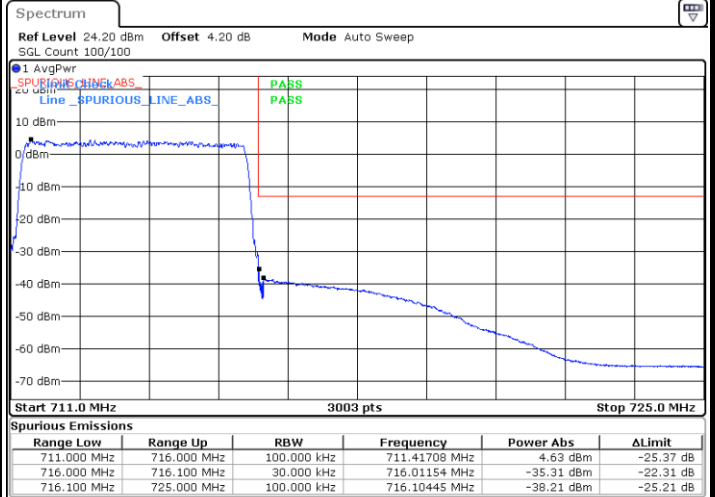
Date: 29.NOV.2022 07:42:56

Lowest Band Edge / Full RB



Date: 29.NOV.2022 07:33:17

Highest Band Edge / Full RB

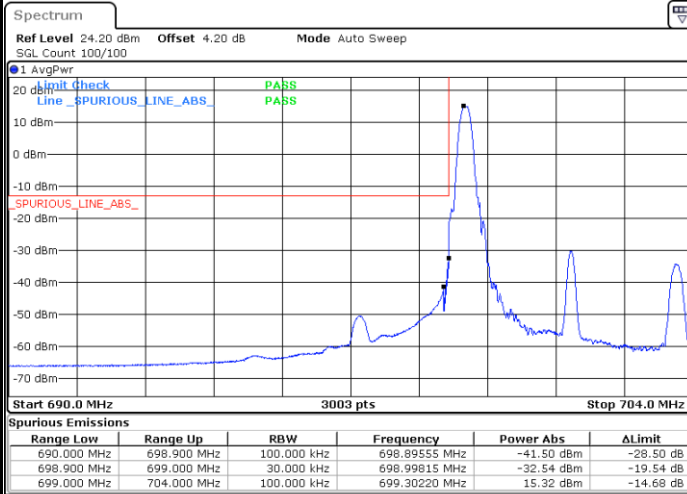


Date: 29.NOV.2022 07:47:10



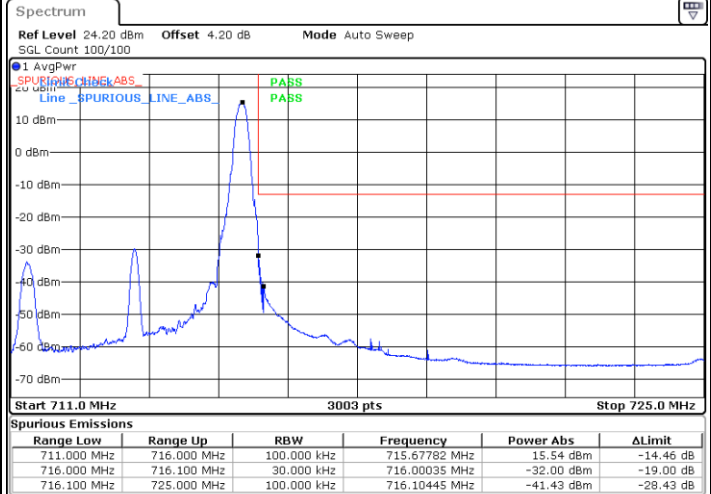
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1RB



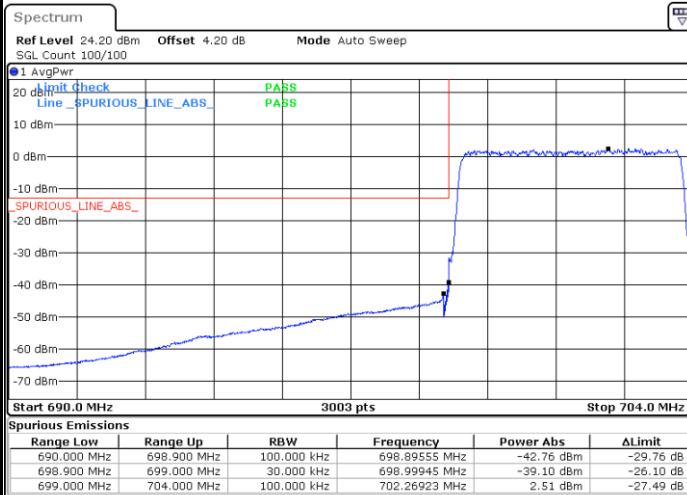
Date: 29.NOV.2022 07:29:54

Highest Band Edge / 1 RB



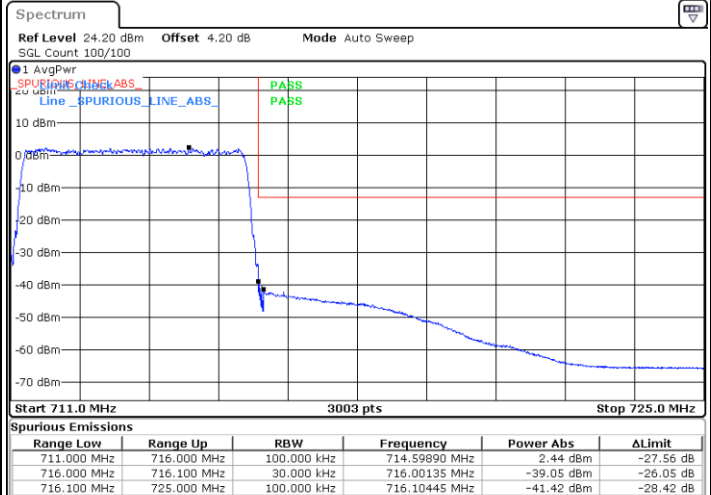
Date: 29.NOV.2022 07:44:20

Lowest Band Edge / Full RB



Date: 29.NOV.2022 07:31:53

Highest Band Edge / Full RB

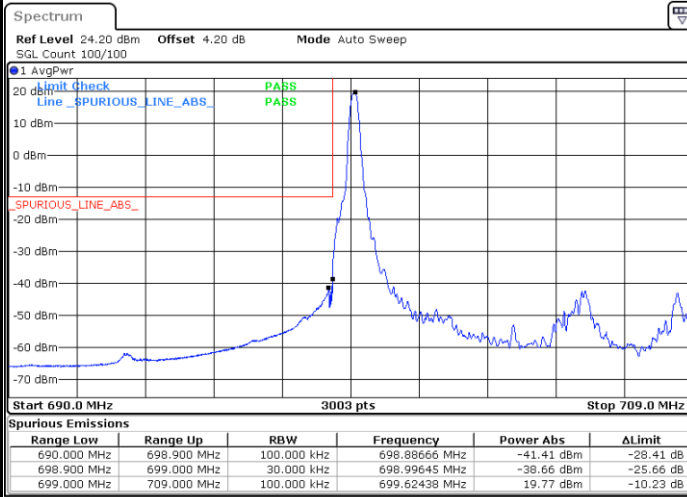


Date: 29.NOV.2022 07:45:45



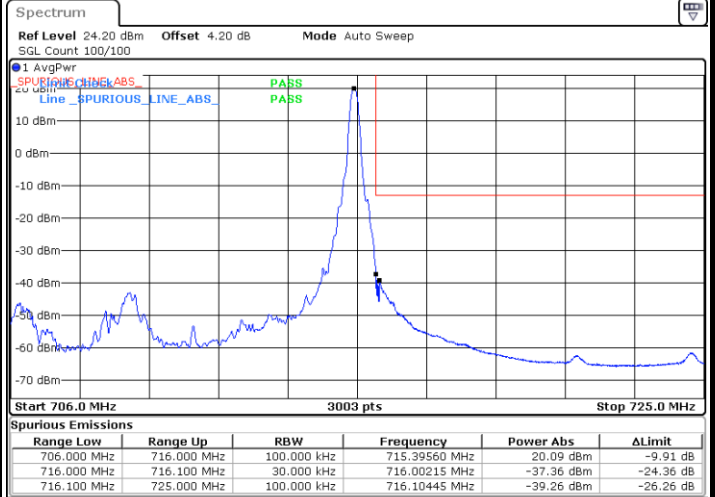
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



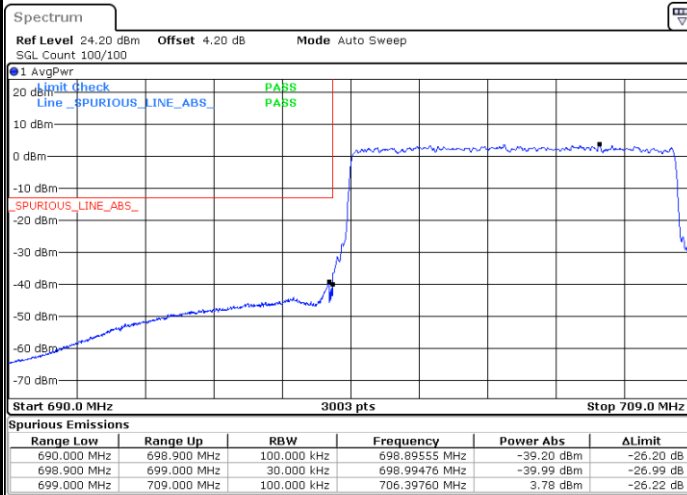
Date: 29.NOV.2022 08:04:59

Highest Band Edge / 1 RB



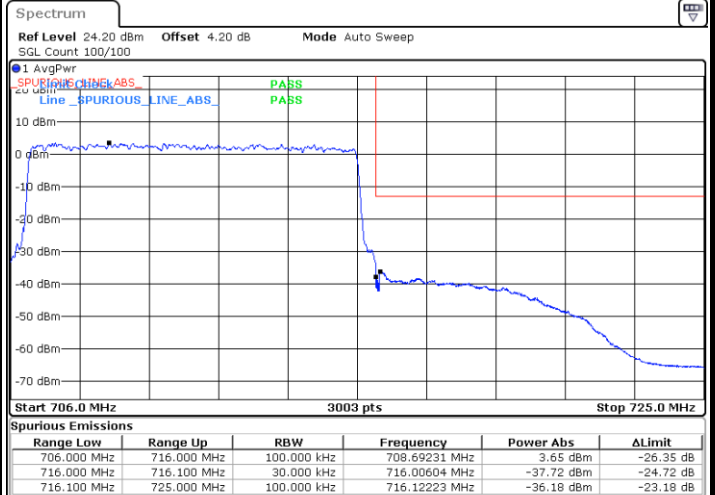
Date: 29.NOV.2022 08:24:57

Lowest Band Edge / Full RB



Date: 29.NOV.2022 08:20:48

Highest Band Edge / Full RB

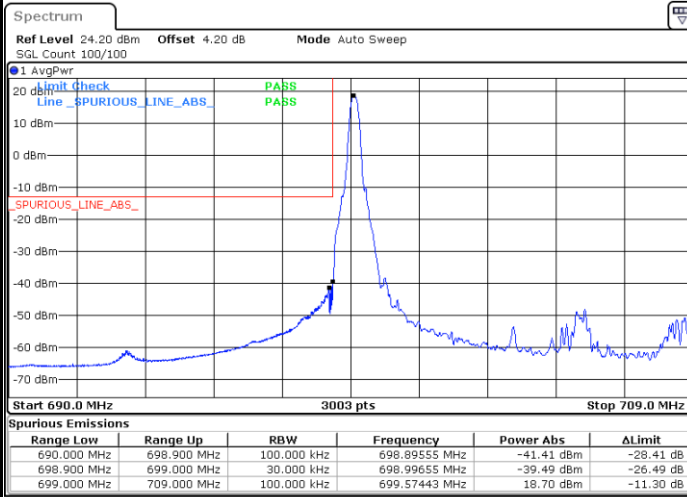


Date: 29.NOV.2022 08:55:54



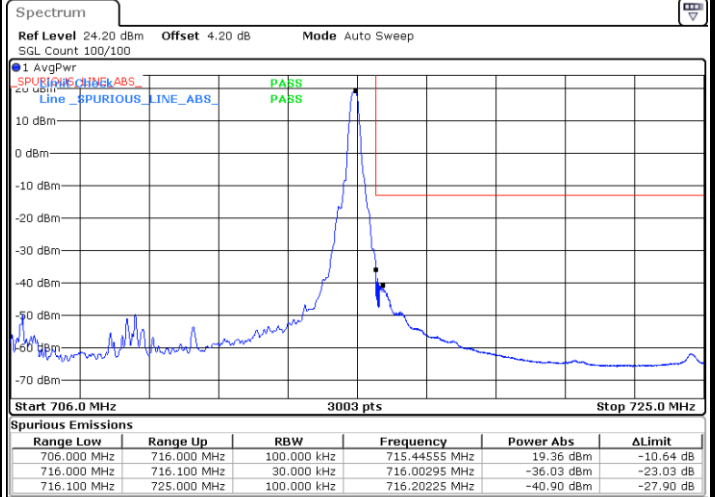
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



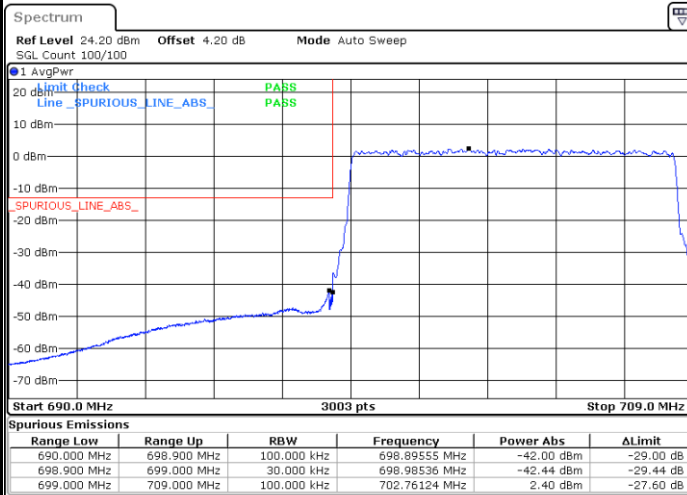
Date: 29.NOV.2022 08:08:31

Highest Band Edge / 1 RB



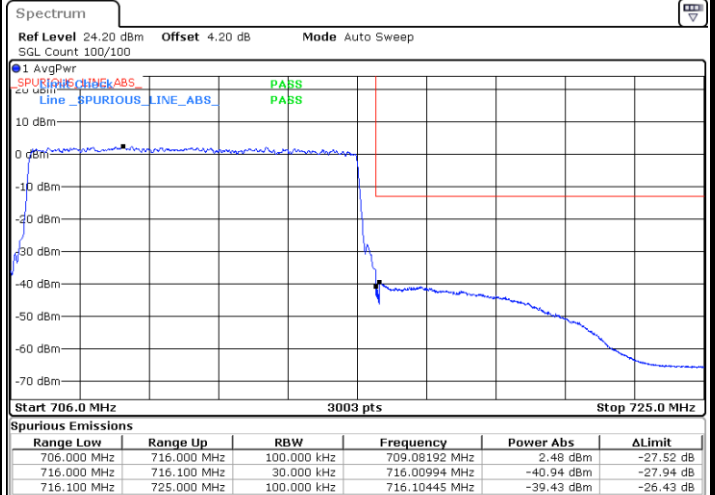
Date: 29.NOV.2022 08:47:48

Lowest Band Edge / Full RB



Date: 29.NOV.2022 08:19:25

Highest Band Edge / Full RB

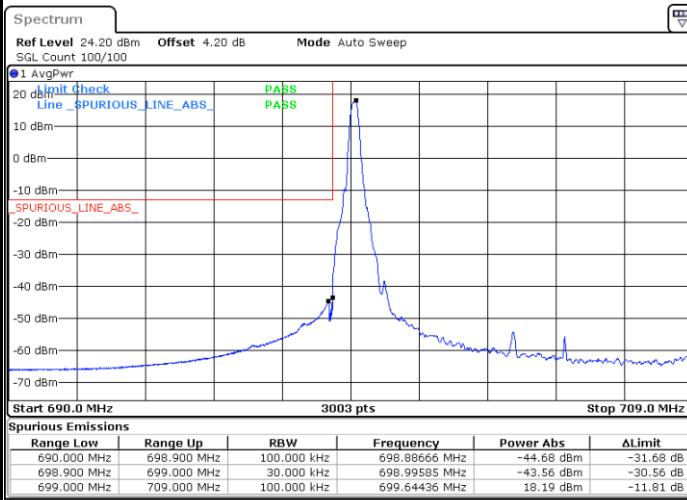


Date: 29.NOV.2022 08:54:34



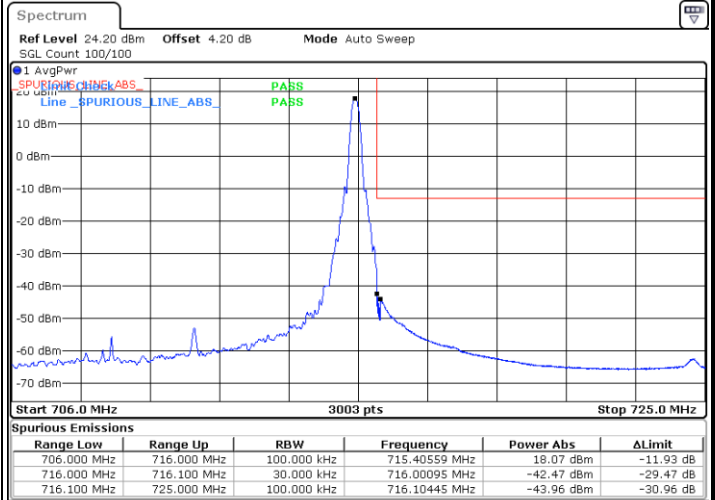
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



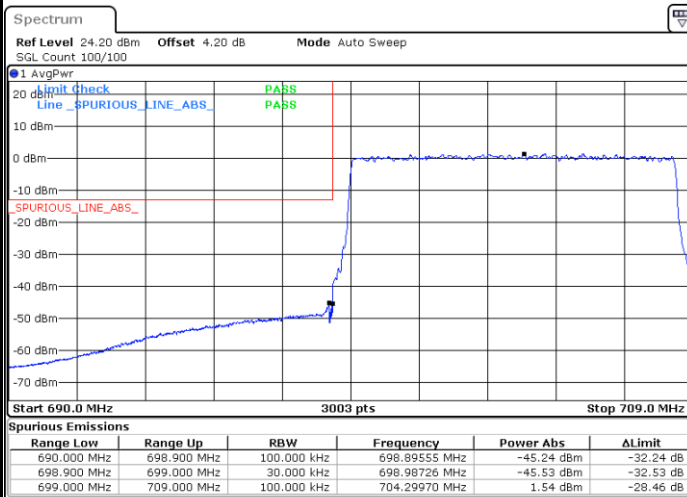
Date: 29.NOV.2022 08:09:52

Highest Band Edge / 1 RB



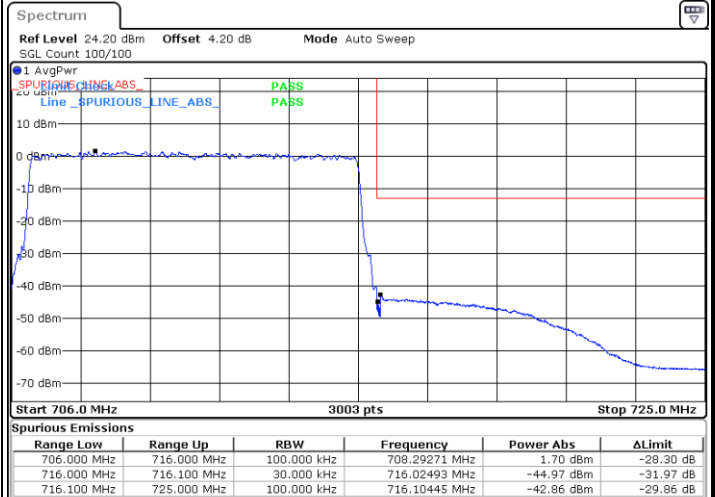
Date: 29.NOV.2022 08:49:08

Lowest Band Edge / Full RB



Date: 29.NOV.2022 08:18:02

Highest Band Edge / Full RB



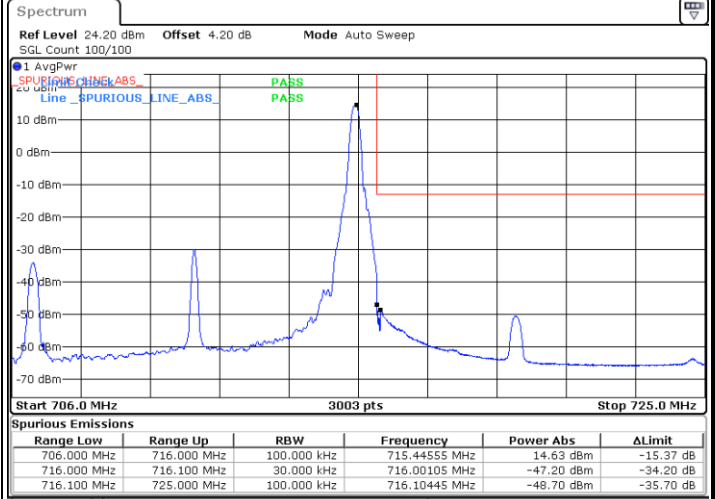
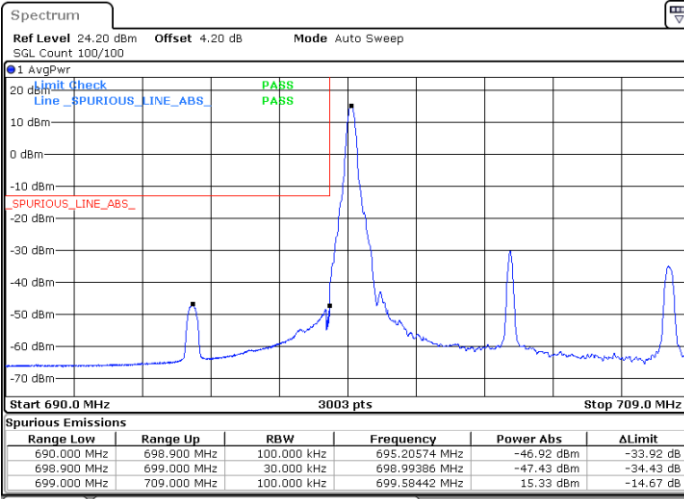
Date: 29.NOV.2022 08:53:14



LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

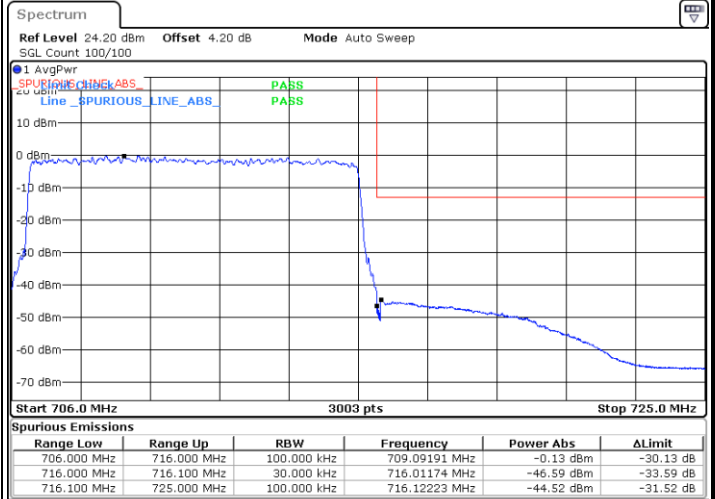
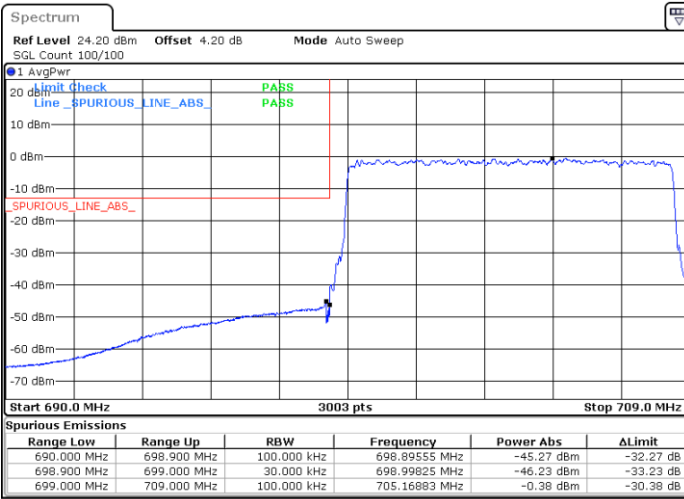


Date: 29.NOV.2022 08:11:14

Date: 29.NOV.2022 08:50:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.NOV.2022 08:13:06

Date: 29.NOV.2022 08:51:51

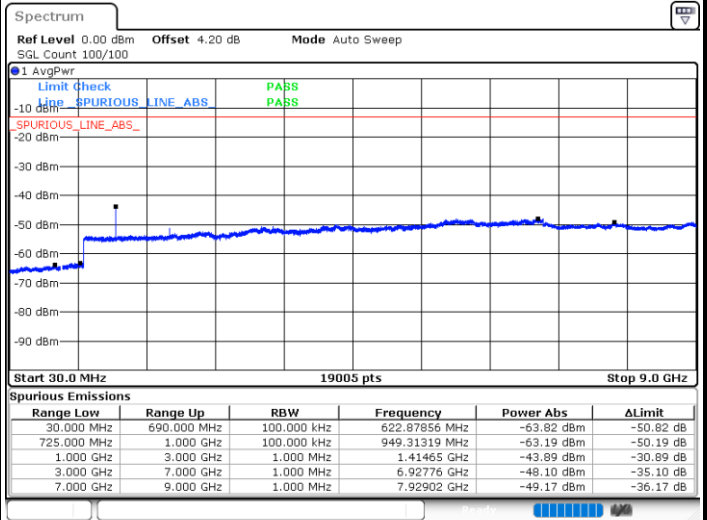
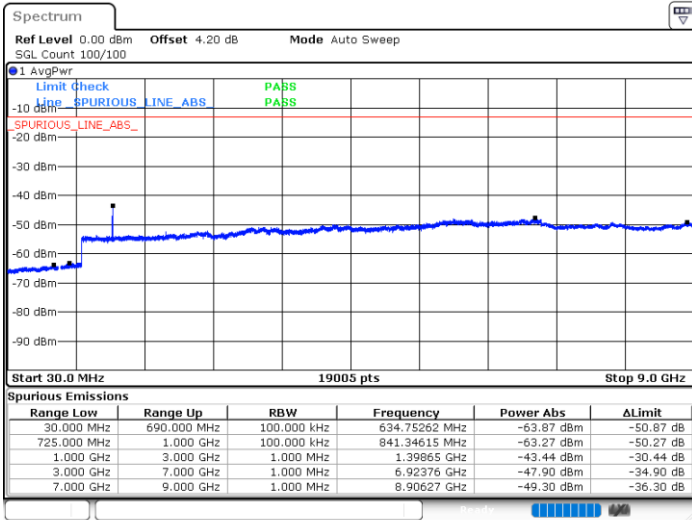


Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

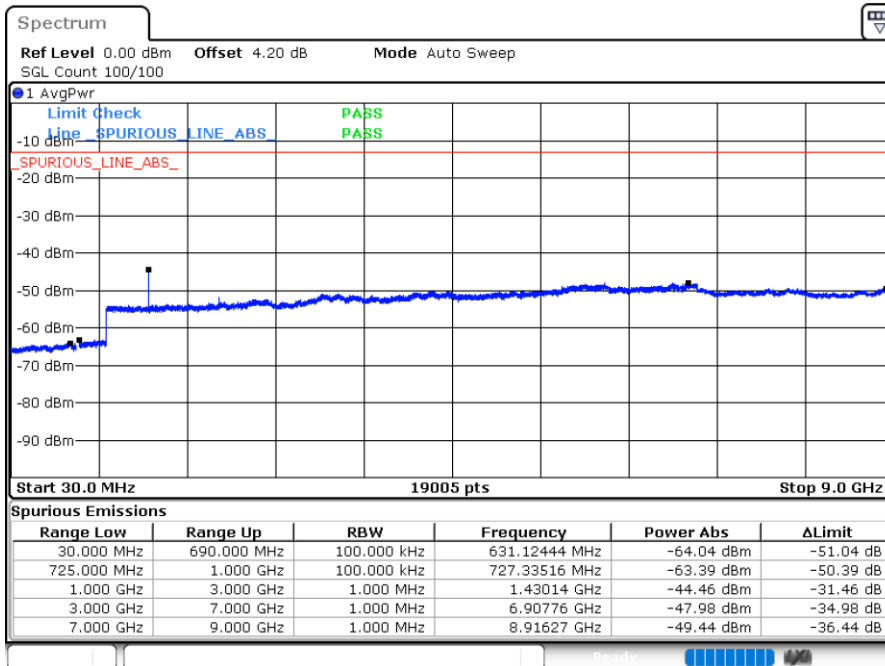
Middle Channel / QPSK



Date: 29.NOV.2022 05:47:11

Date: 29.NOV.2022 06:14:19

Highest Channel / QPSK



Date: 29.NOV.2022 06:15:42