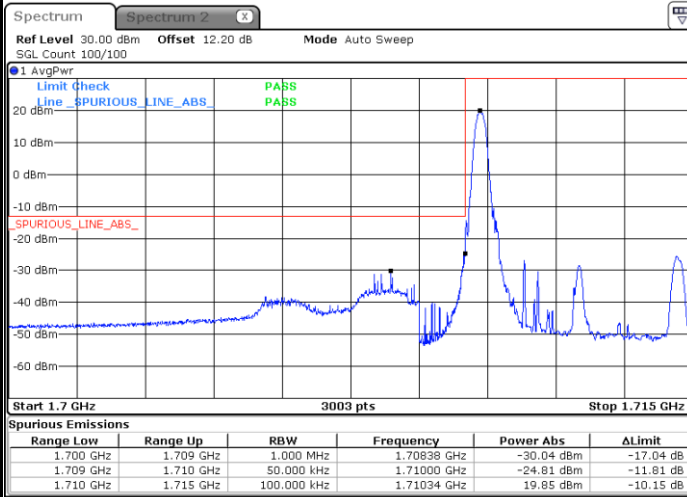




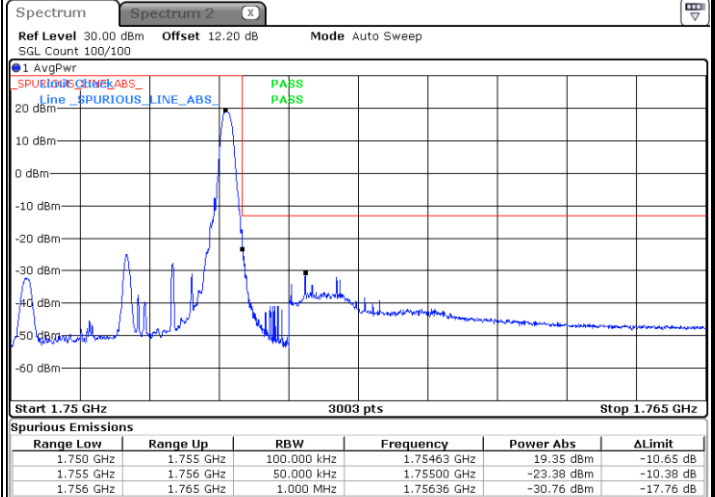
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



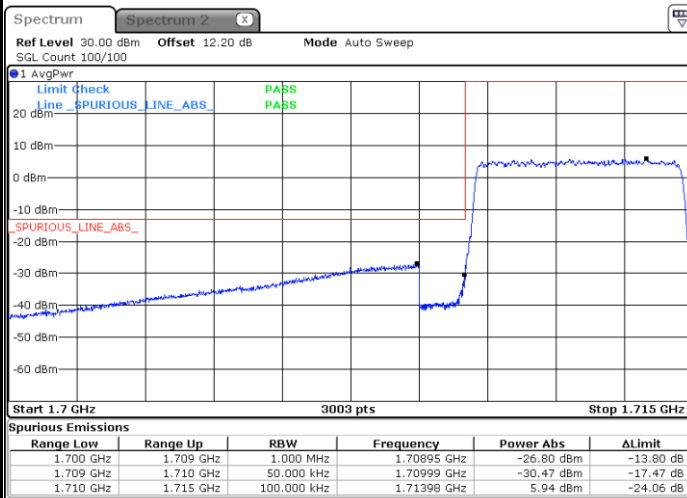
Date: 28.FEB.2022 22:21:49

Highest Band Edge / 1 RB



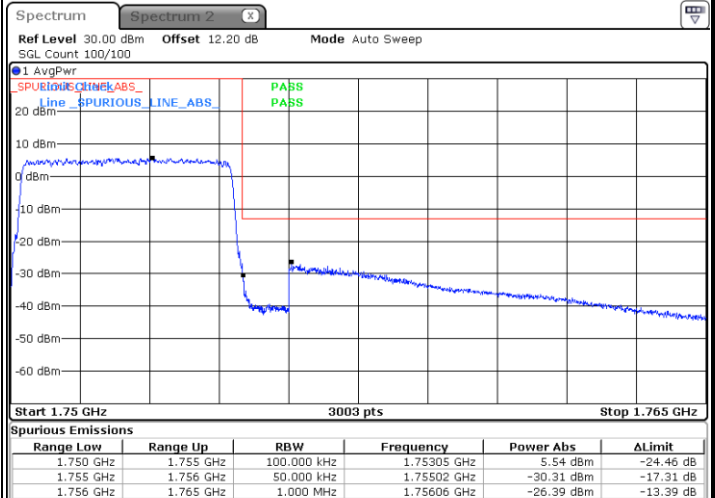
Date: 28.FEB.2022 22:24:23

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:22:42

Highest Band Edge / Full RB

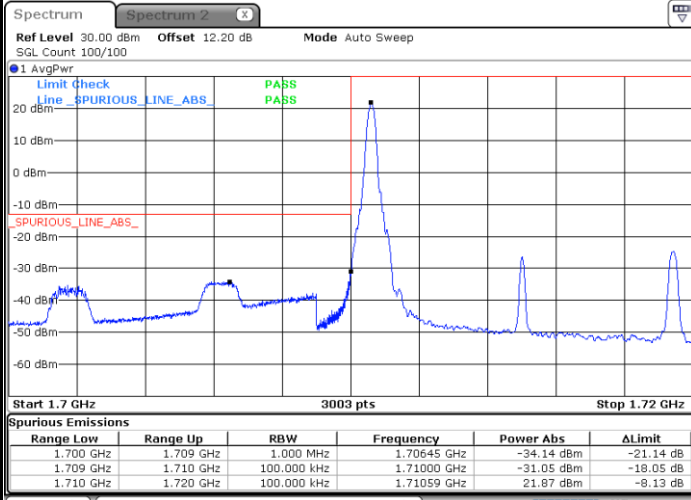


Date: 28.FEB.2022 22:25:16



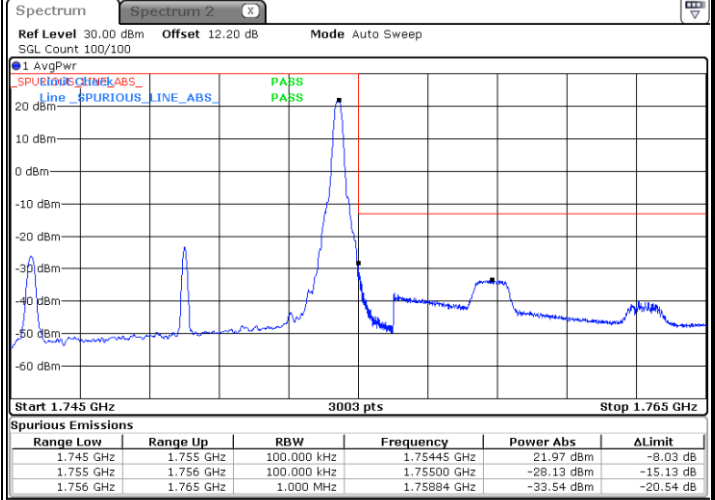
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



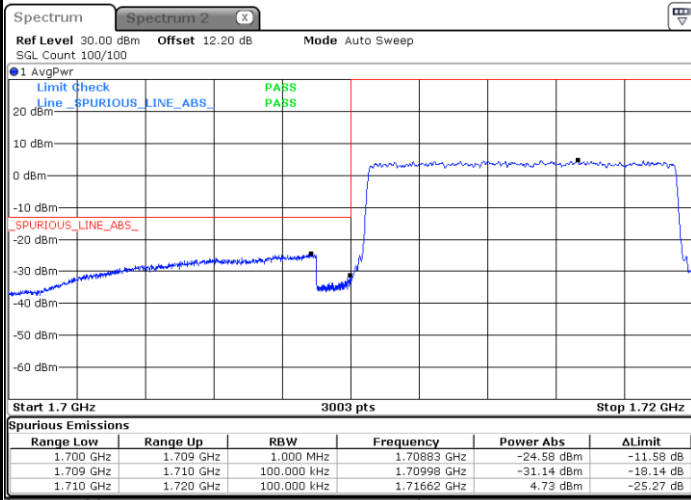
Date: 28.FEB.2022 22:37:47

Highest Band Edge / 1 RB



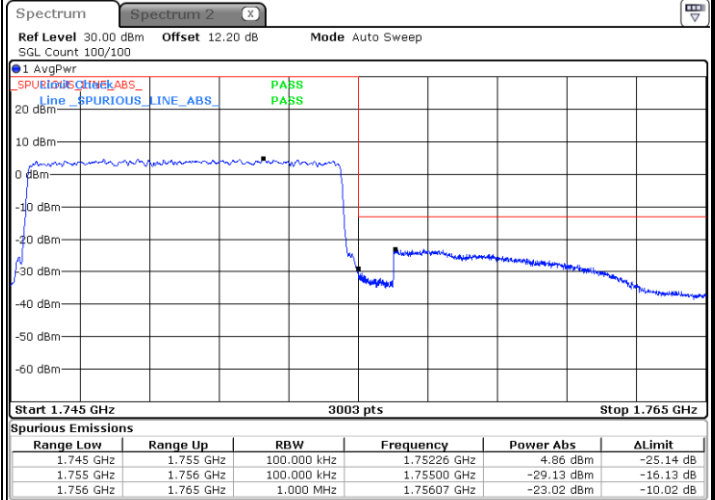
Date: 28.FEB.2022 22:44:50

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:39:34

Highest Band Edge / Full RB

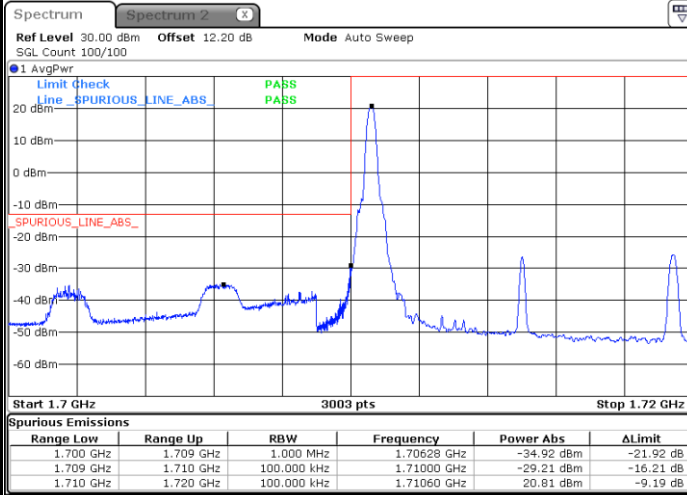


Date: 28.FEB.2022 22:46:37



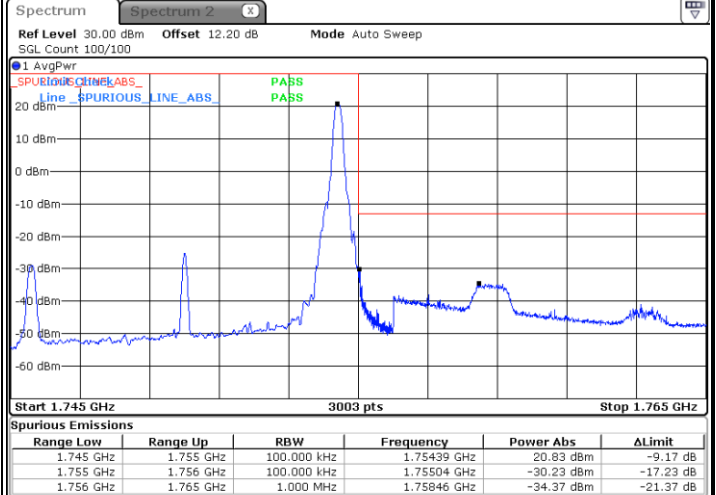
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



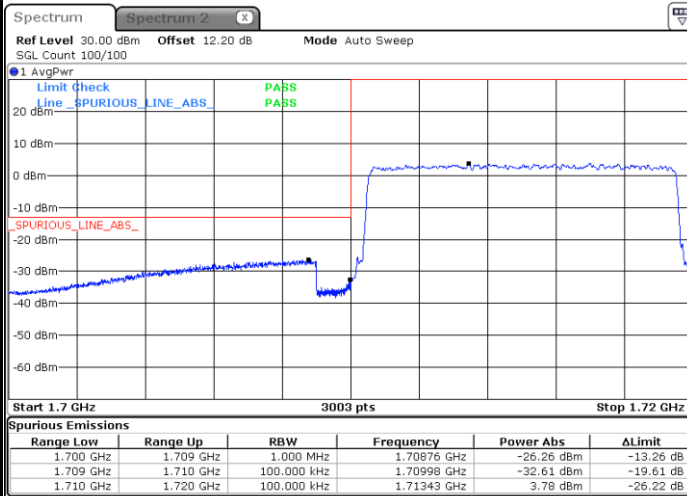
Date: 28.FEB.2022 22:38:40

Highest Band Edge / 1 RB



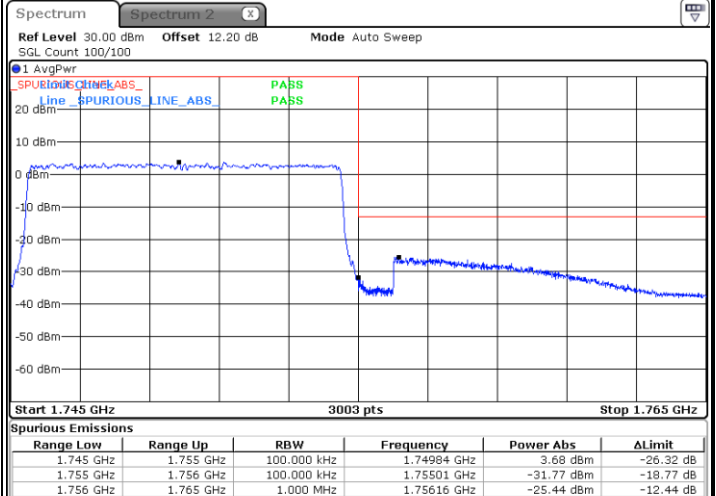
Date: 28.FEB.2022 22:45:43

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:40:27

Highest Band Edge / Full RB

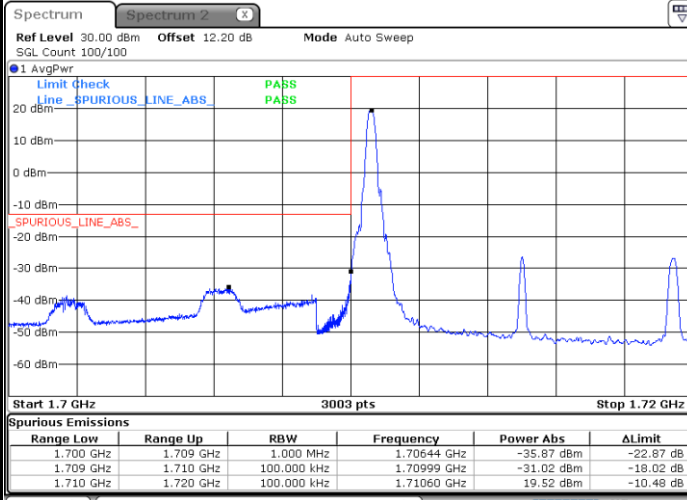


Date: 28.FEB.2022 22:47:30



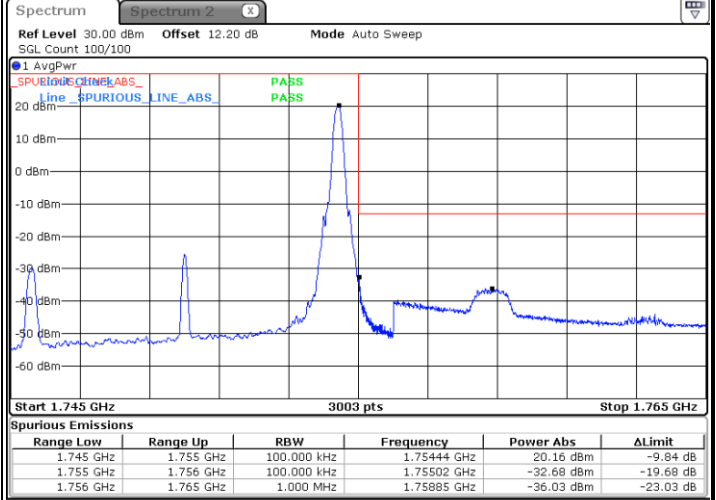
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



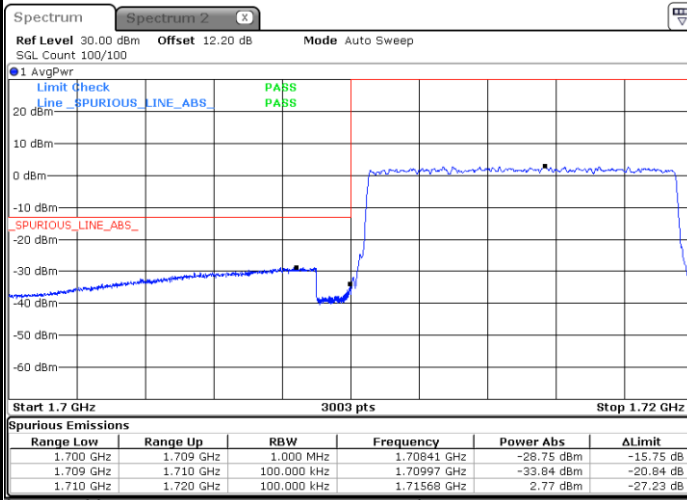
Date: 28.FEB.2022 22:49:22

Highest Band Edge / 1 RB



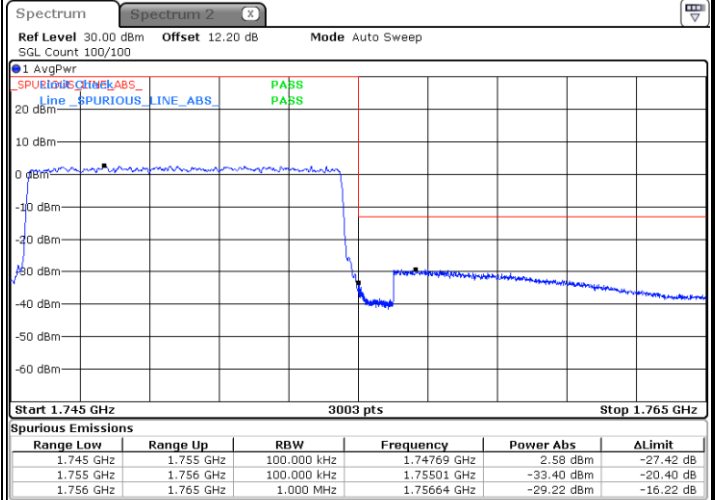
Date: 28.FEB.2022 22:51:57

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:50:16

Highest Band Edge / Full RB

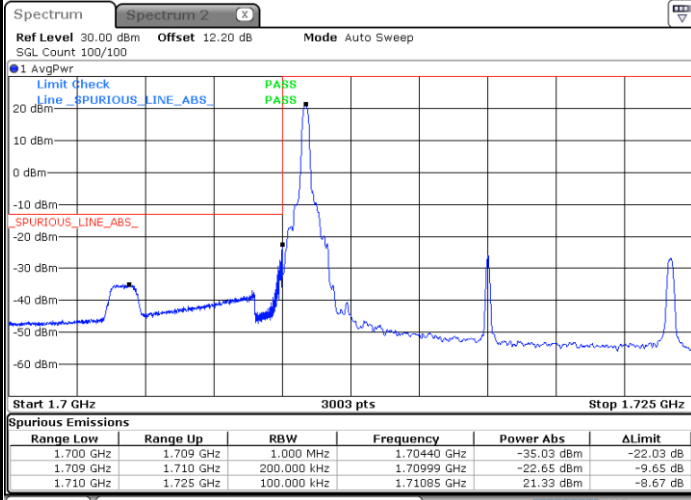


Date: 28.FEB.2022 22:52:51



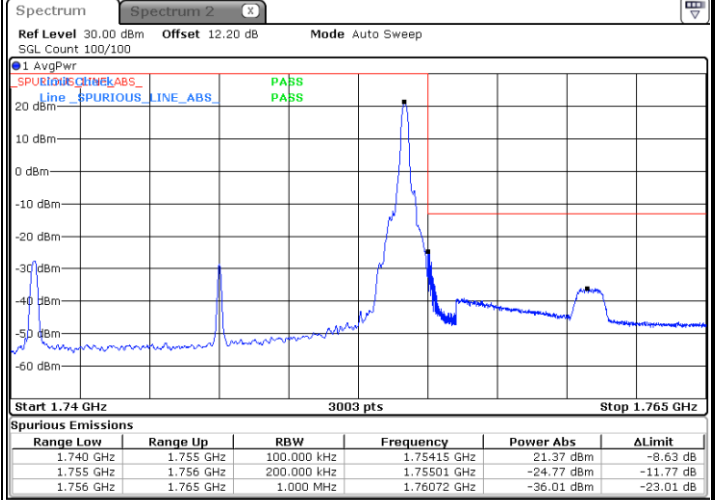
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



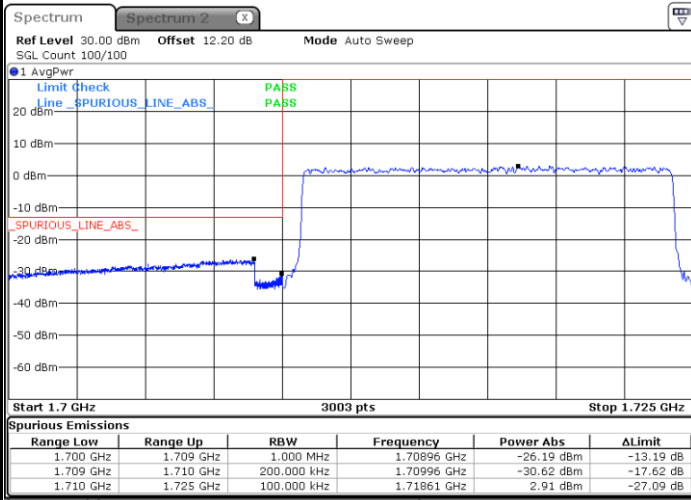
Date: 28.FEB.2022 22:53:45

Highest Band Edge / 1 RB



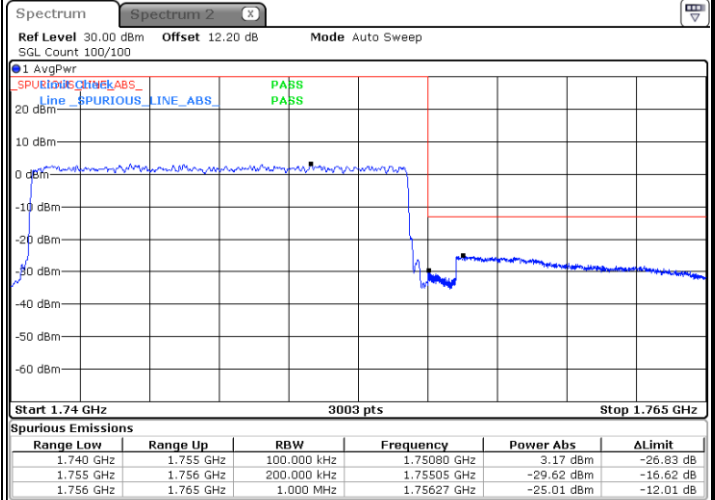
Date: 28.FEB.2022 23:00:49

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:55:32

Highest Band Edge / Full RB

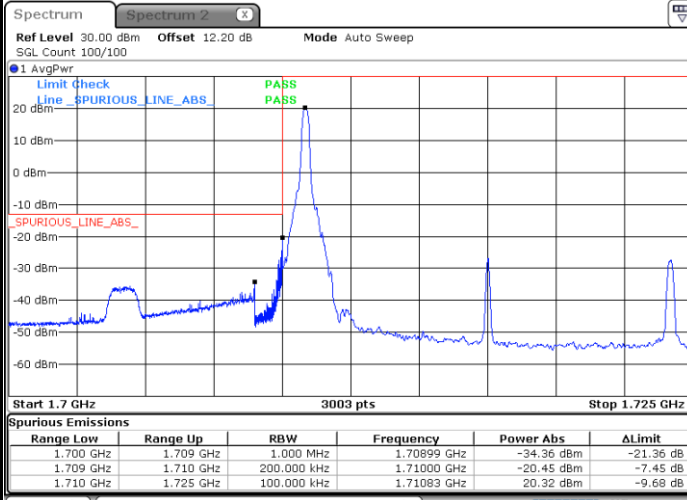


Date: 28.FEB.2022 23:02:36



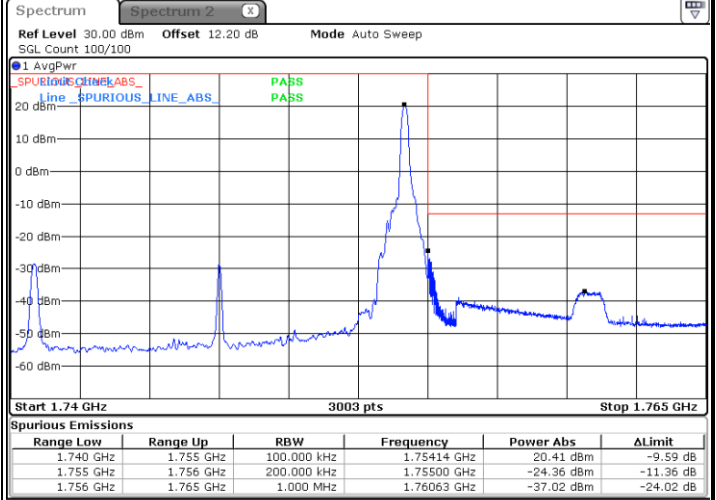
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



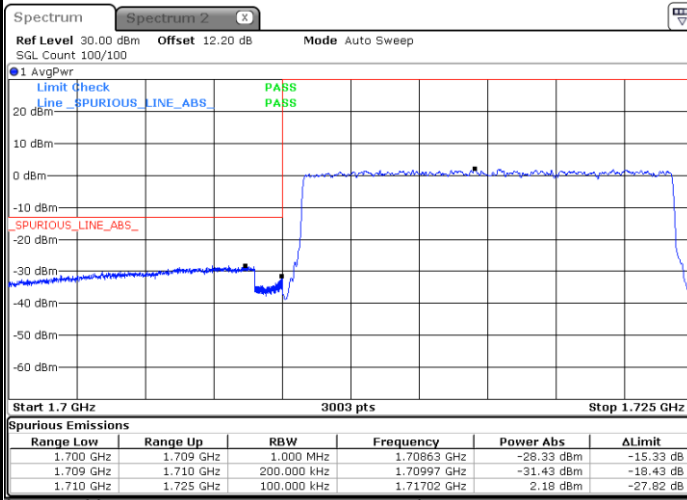
Date: 28.FEB.2022 22:54:38

Highest Band Edge / 1 RB



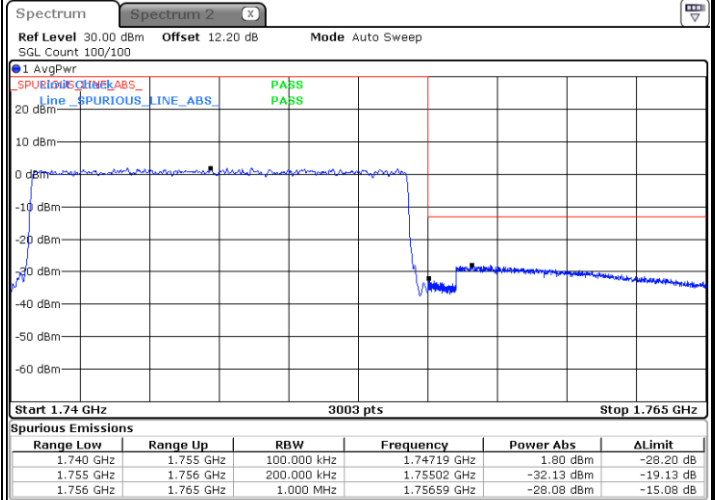
Date: 28.FEB.2022 23:01:43

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:56:25

Highest Band Edge / Full RB

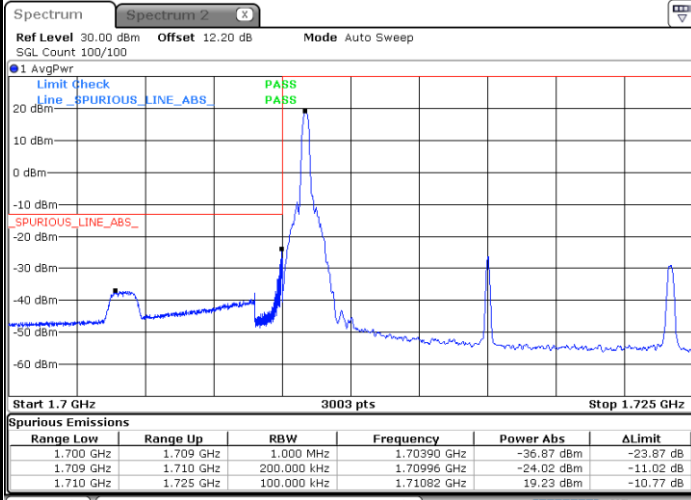


Date: 28.FEB.2022 23:03:30



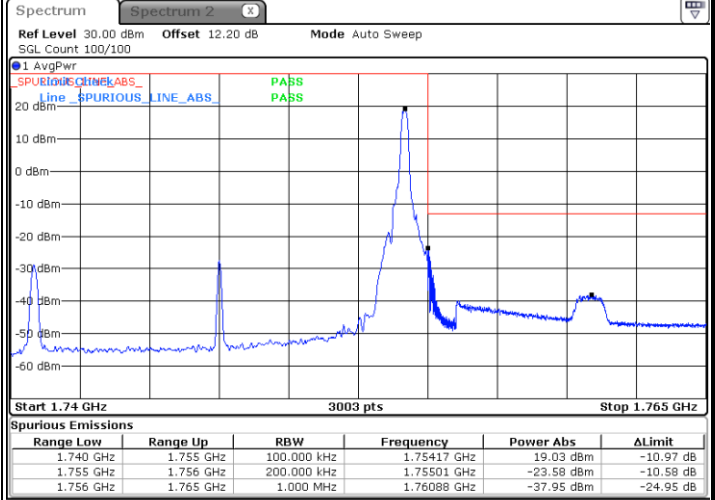
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



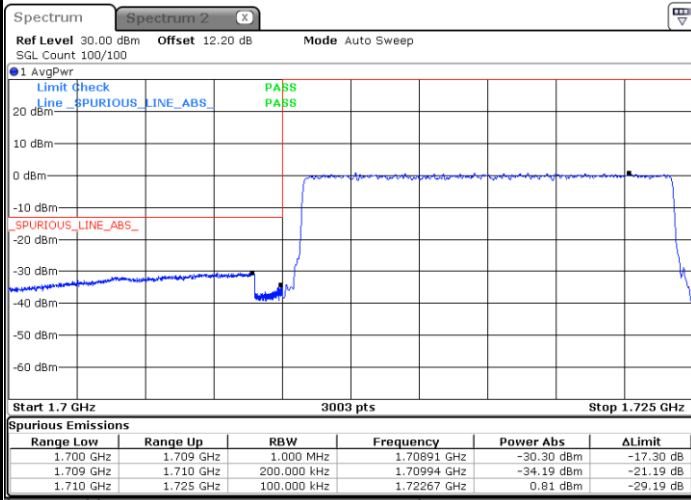
Date: 28.FEB.2022 23:05:21

Highest Band Edge / 1 RB



Date: 28.FEB.2022 23:07:55

Lowest Band Edge / Full RB



Date: 28.FEB.2022 23:06:15

Highest Band Edge / Full RB

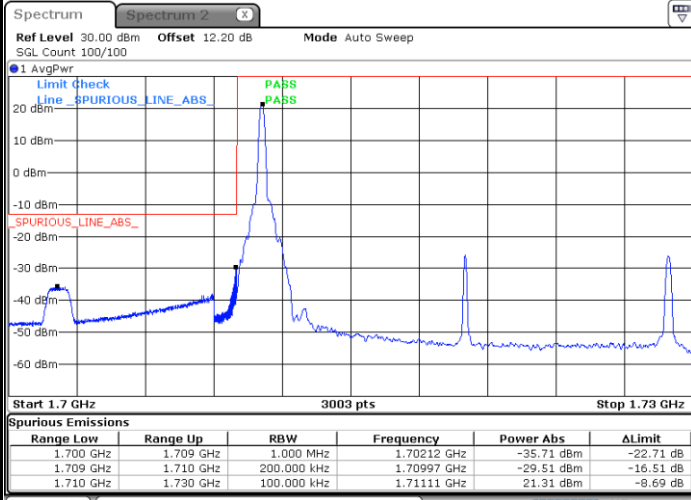


Date: 28.FEB.2022 23:08:48



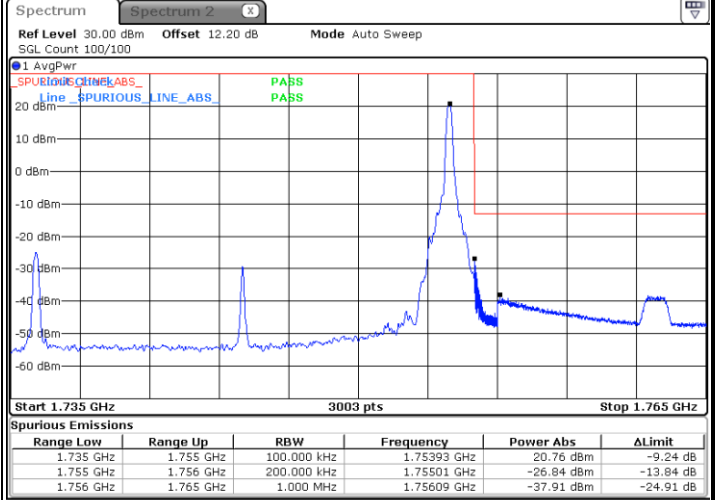
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



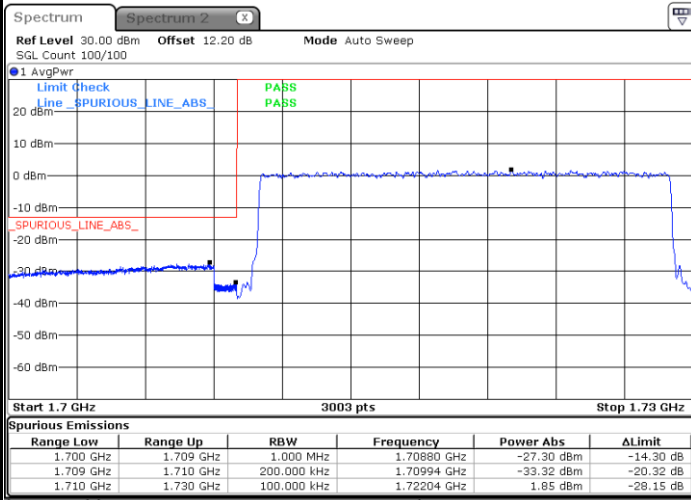
Date: 28.FEB.2022 23:09:43

Highest Band Edge / 1 RB



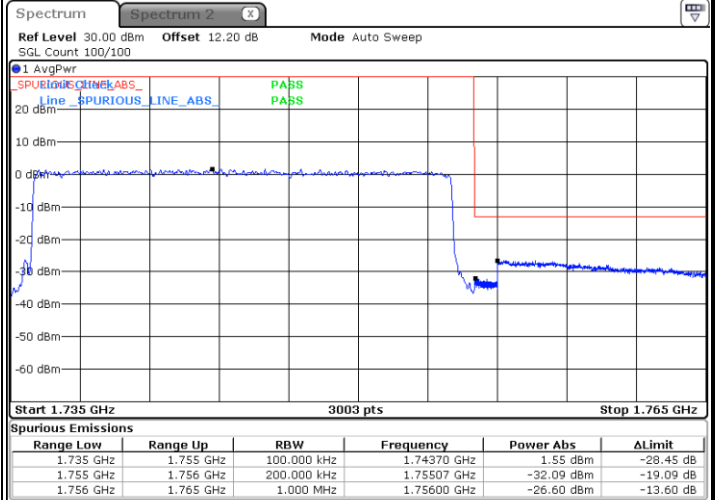
Date: 28.FEB.2022 23:16:48

Lowest Band Edge / Full RB



Date: 28.FEB.2022 23:11:31

Highest Band Edge / Full RB

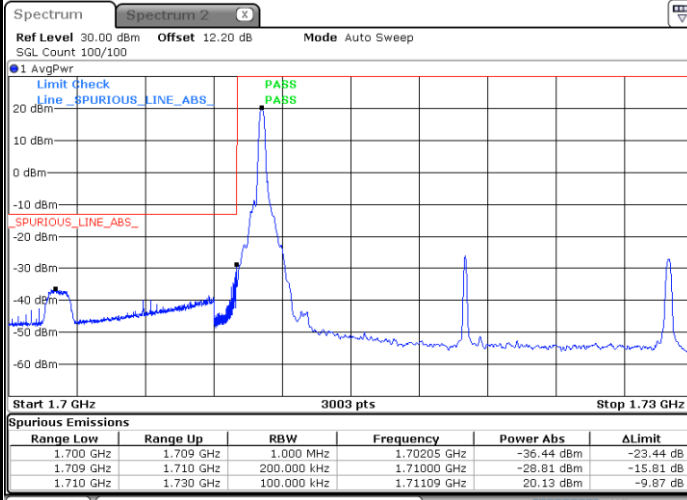


Date: 28.FEB.2022 23:18:35



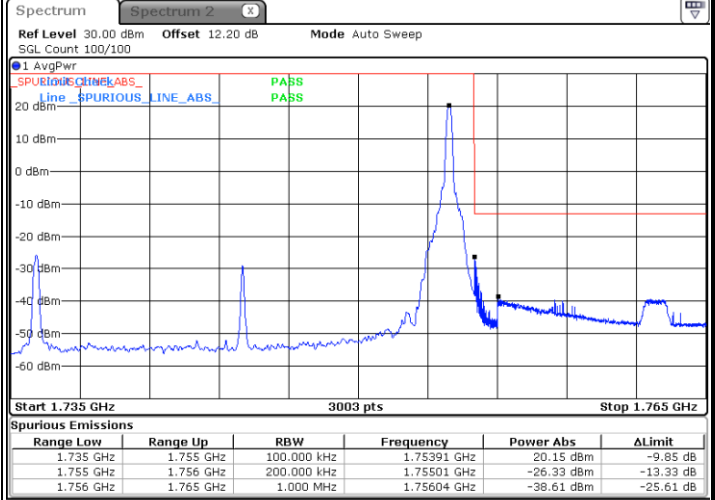
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



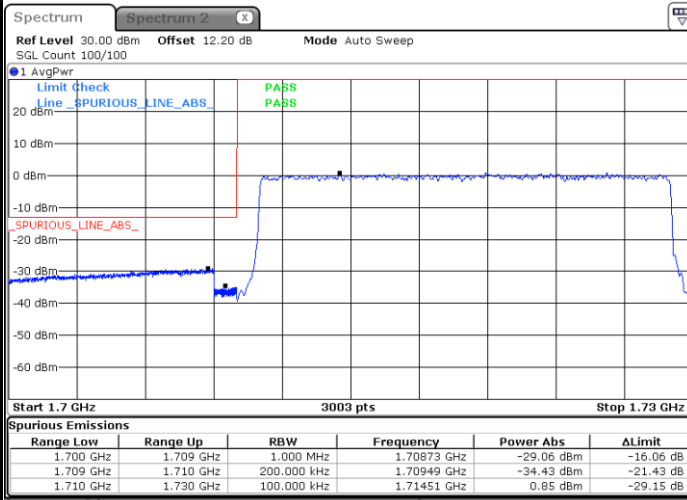
Date: 28.FEB.2022 23:10:36

Highest Band Edge / 1 RB



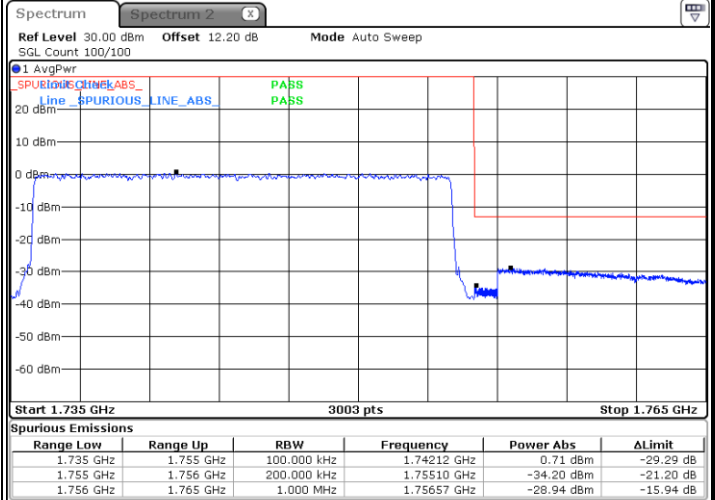
Date: 28.FEB.2022 23:17:41

Lowest Band Edge / Full RB



Date: 28.FEB.2022 23:12:25

Highest Band Edge / Full RB

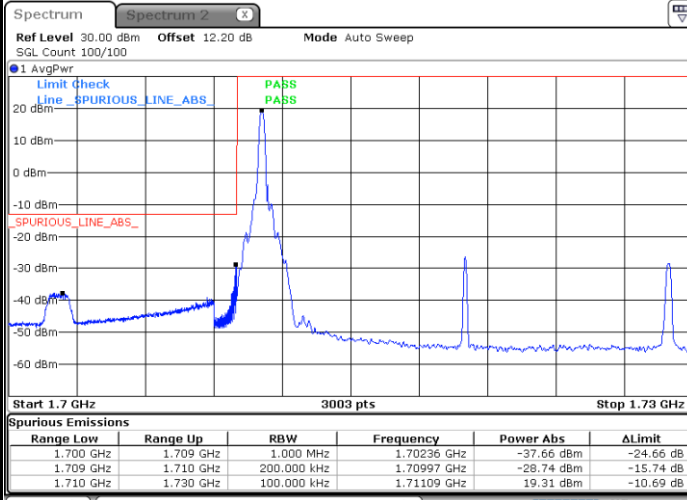


Date: 28.FEB.2022 23:19:28

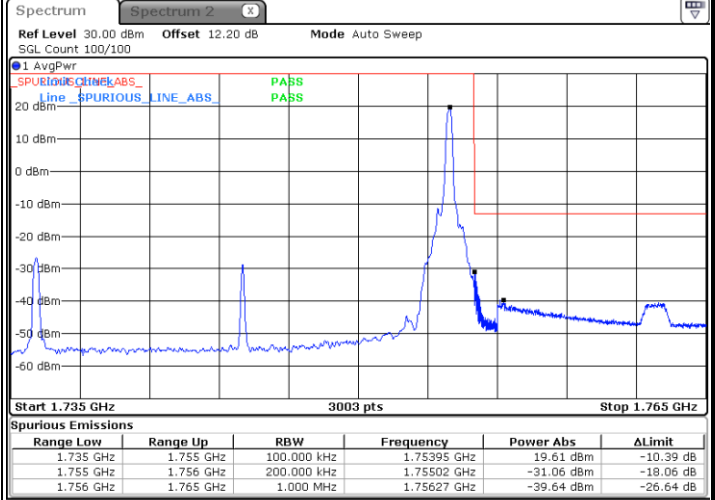


LTE Band 4 / 20MHz / 64QAM

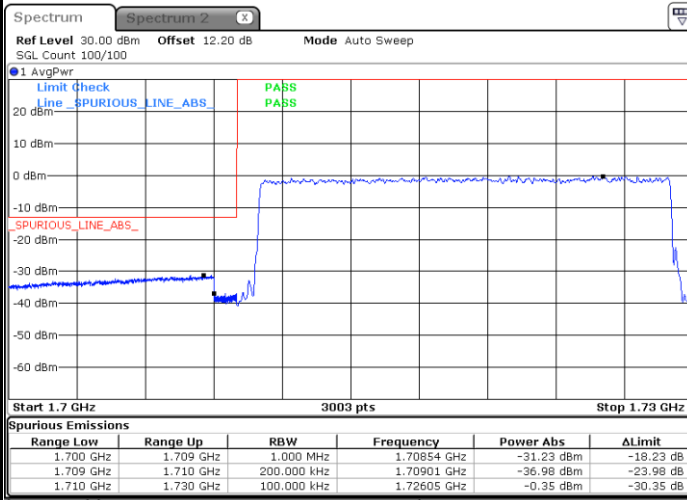
Lowest Band Edge / 1 RB



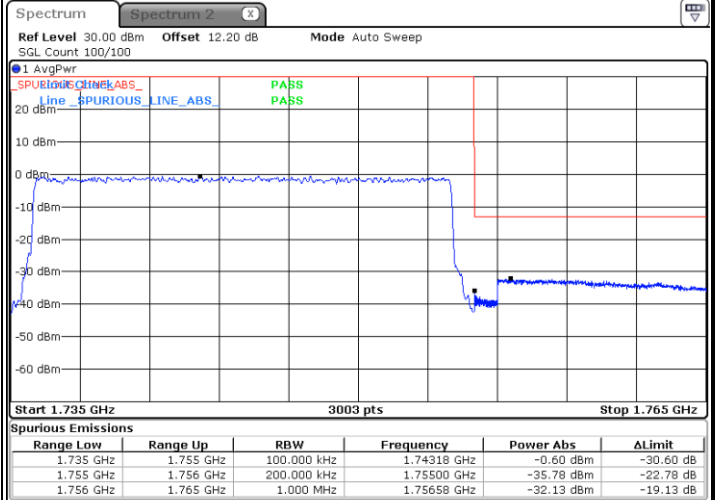
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



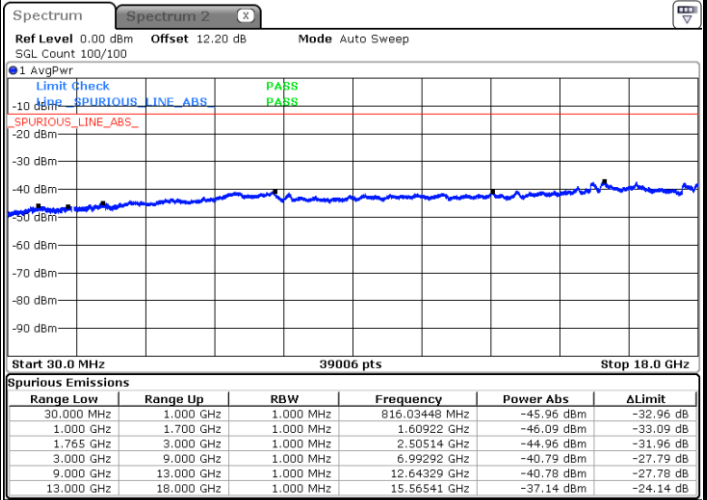
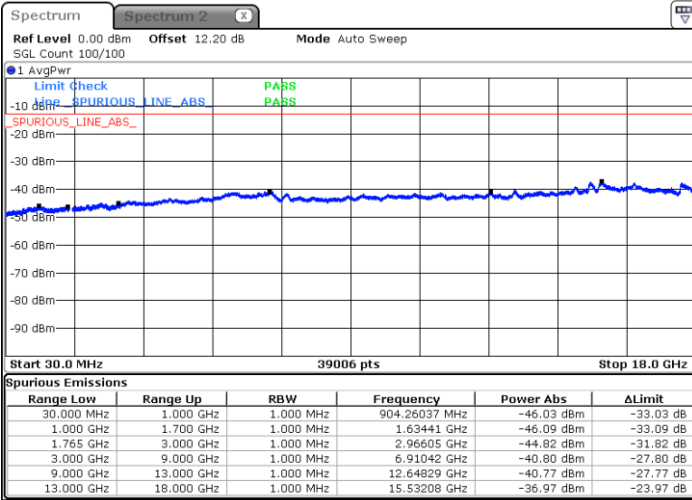


Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

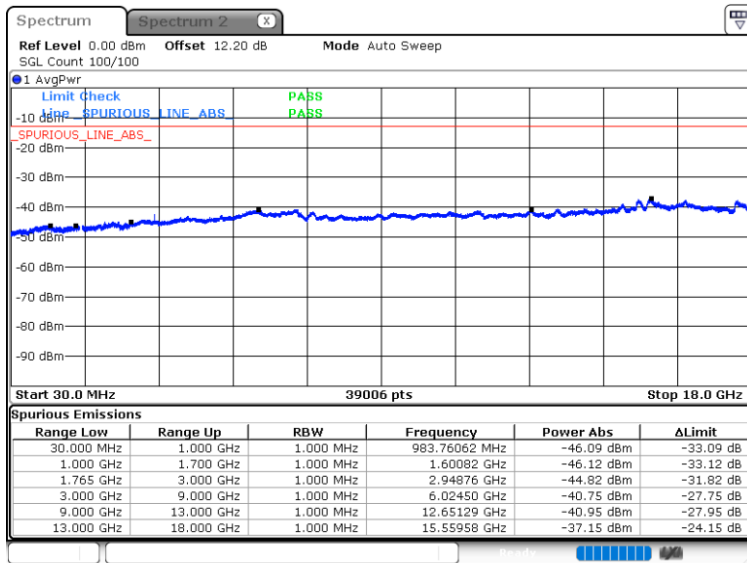
Middle Channel / QPSK



Date: 28.FEB.2022 21:53:32

Date: 28.FEB.2022 21:56:05

Highest Channel / QPSK

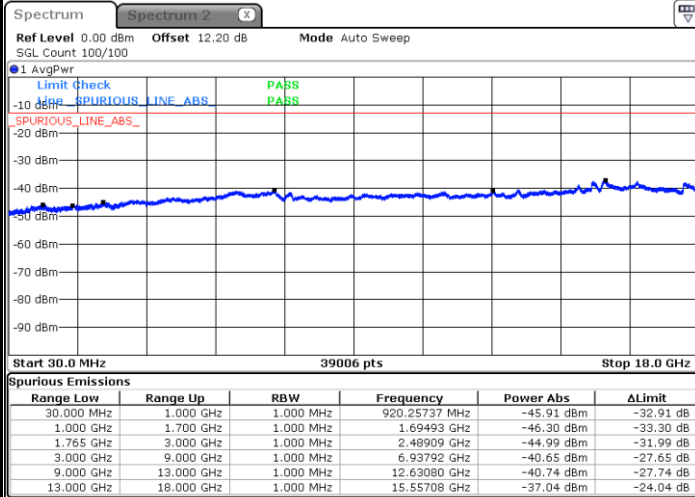


Date: 28.FEB.2022 22:00:36



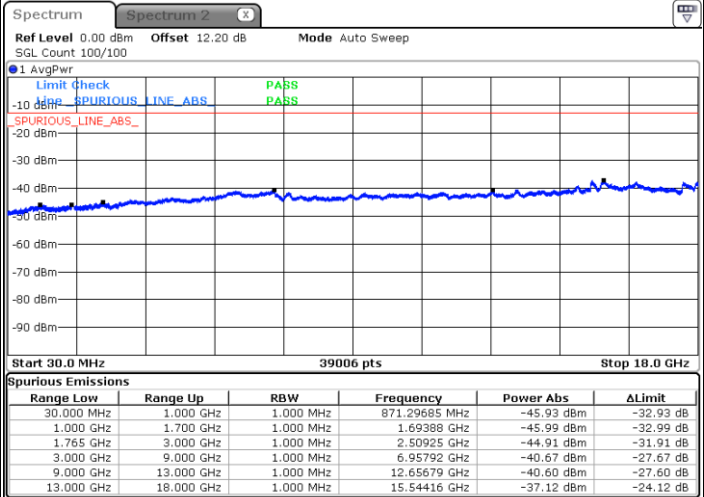
LTE Band 4 / 3MHz

Lowest Channel / QPSK



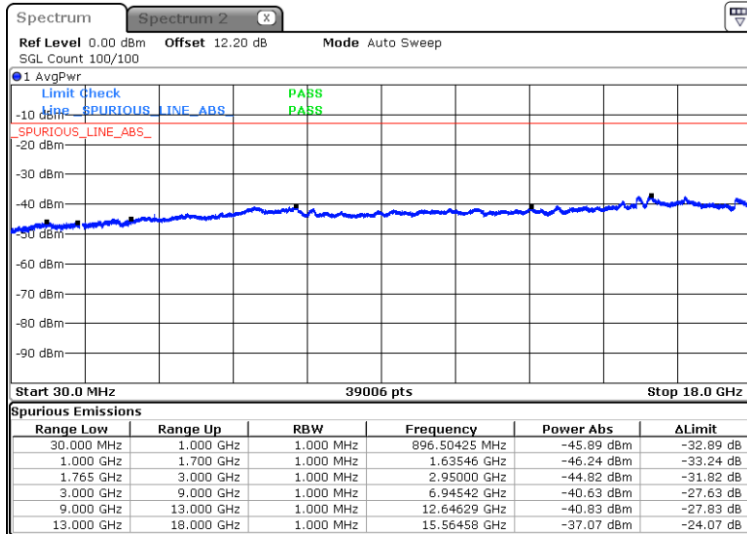
Date: 28.FEB.2022 22:09:30

Middle Channel / QPSK



Date: 28.FEB.2022 22:12:03

Highest Channel / QPSK



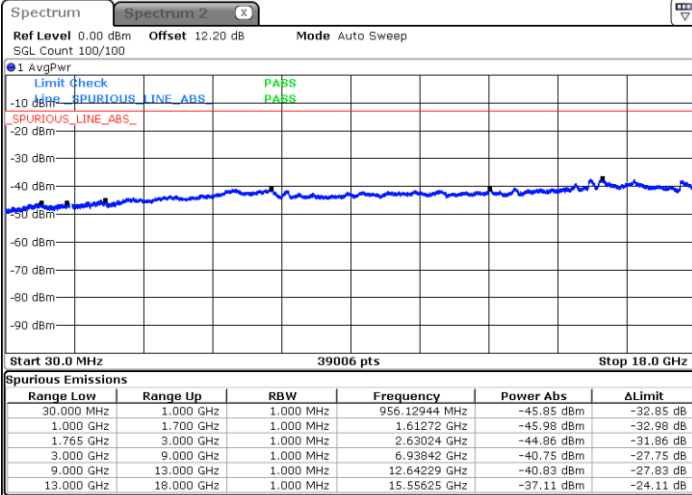
Date: 28.FEB.2022 22:16:34



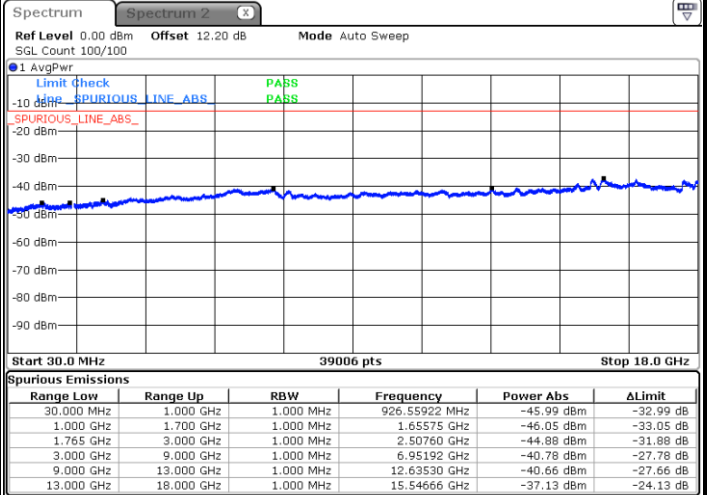
LTE Band 4 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

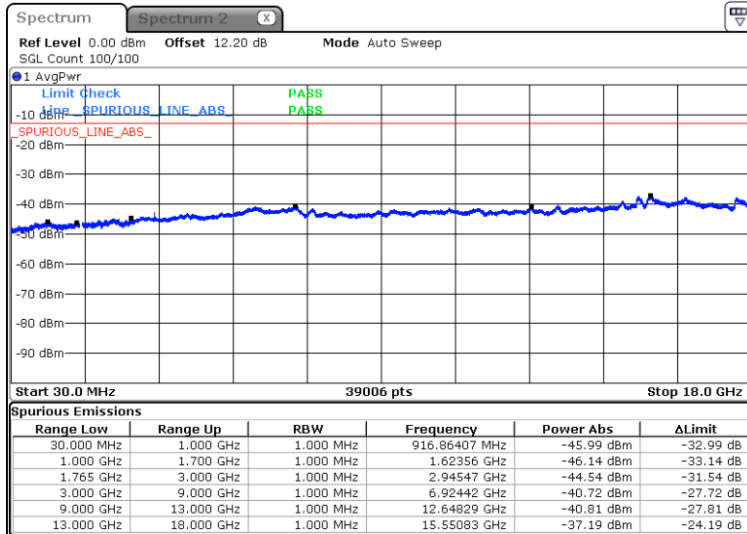


Date: 28.FEB.2022 22:29:48



Date: 28.FEB.2022 22:32:21

Highest Channel / QPSK

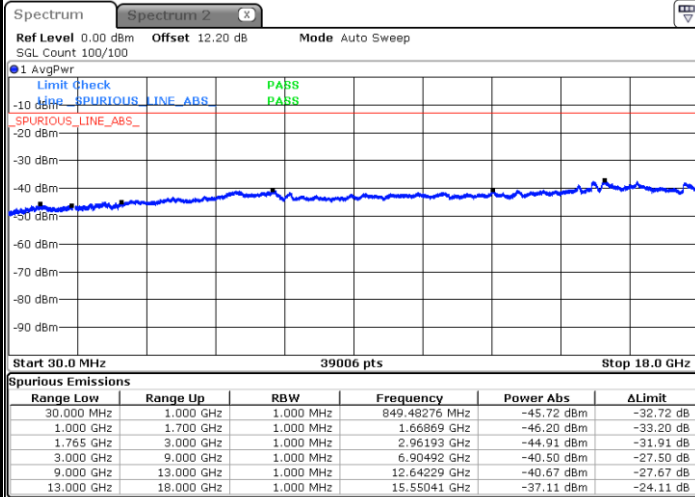


Date: 28.FEB.2022 22:36:52



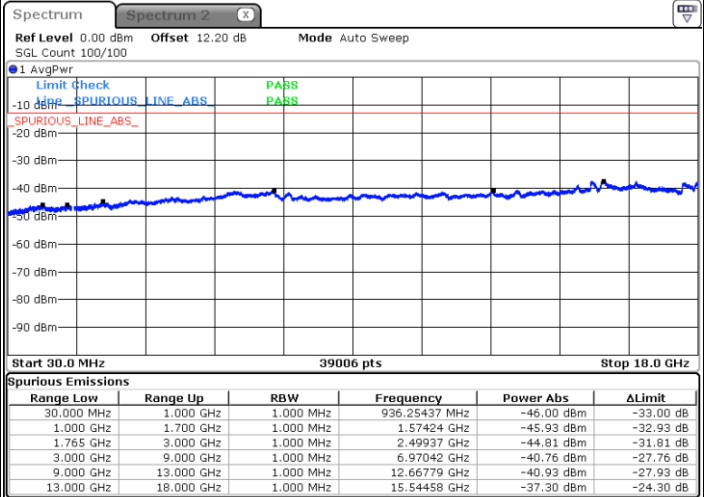
LTE Band 4 / 10MHz

Lowest Channel / QPSK



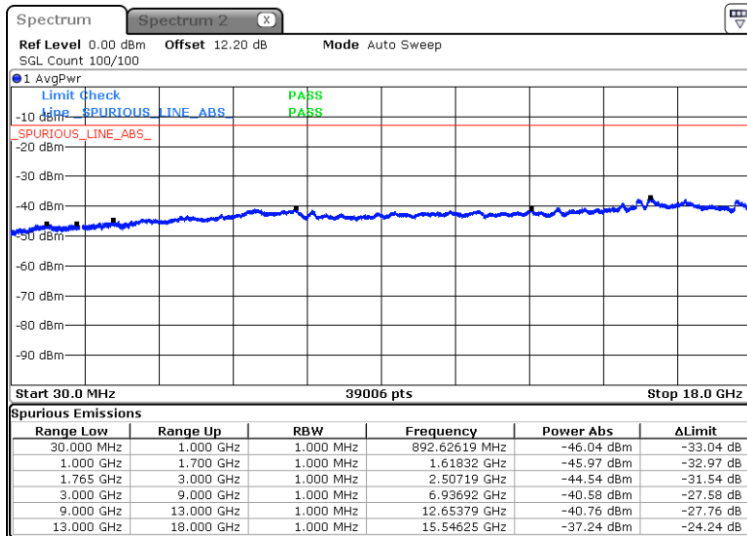
Date: 28.FEB.2022 22:41:25

Middle Channel / QPSK



Date: 28.FEB.2022 22:43:57

Highest Channel / QPSK

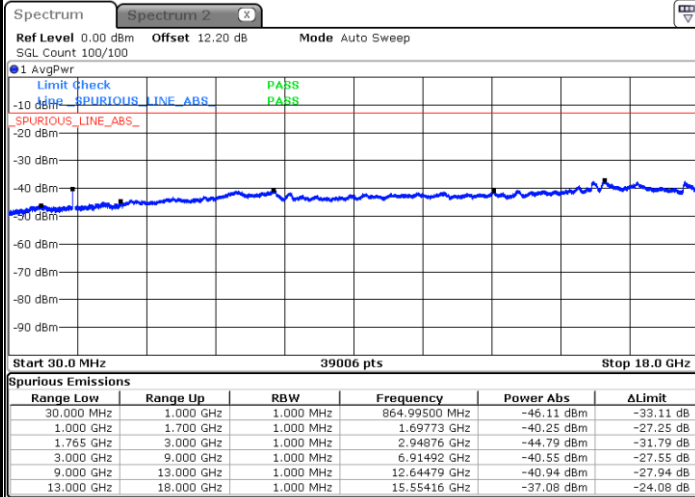


Date: 28.FEB.2022 22:48:28



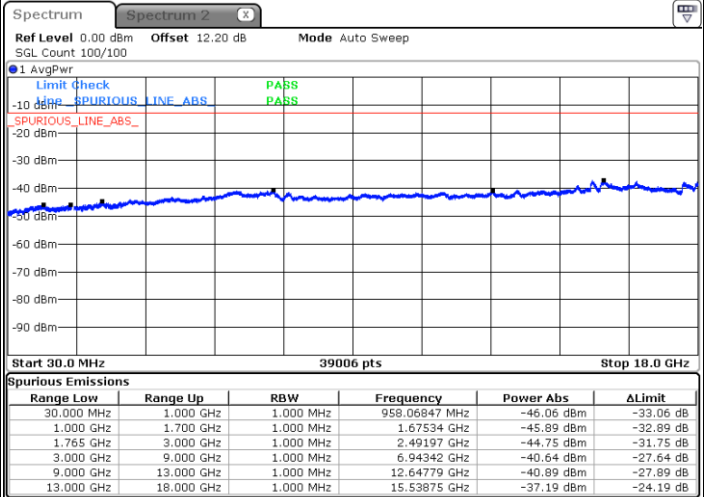
LTE Band 4 / 15MHz

Lowest Channel / QPSK



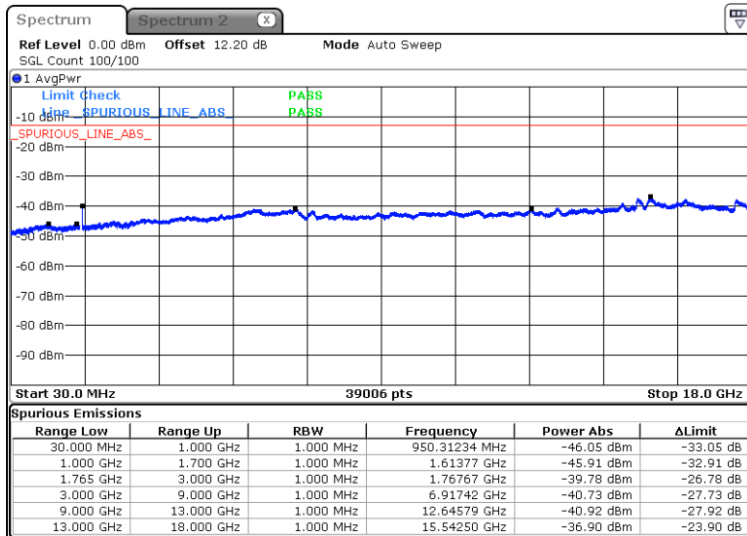
Date: 28.FEB.2022 22:57:23

Middle Channel / QPSK



Date: 28.FEB.2022 22:59:56

Highest Channel / QPSK



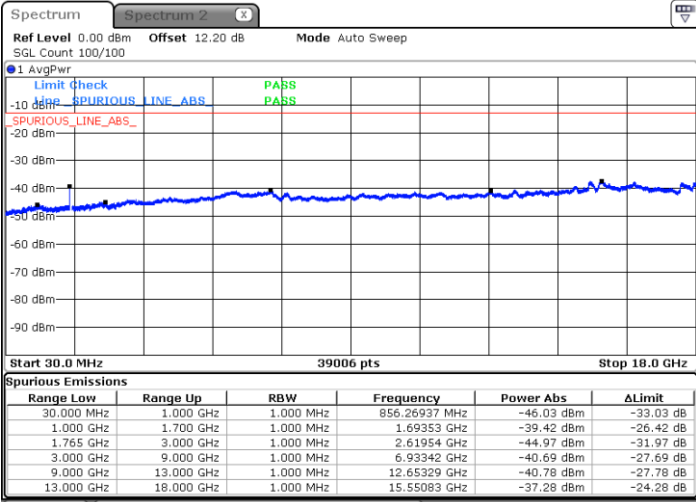
Date: 28.FEB.2022 23:04:28



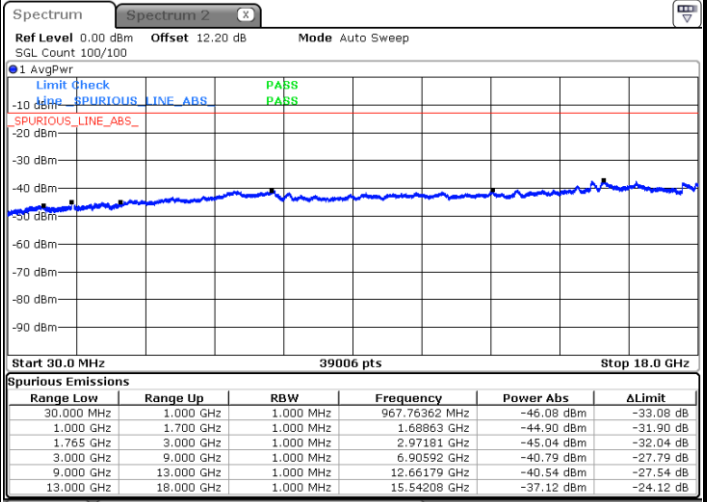
LTE Band 4 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

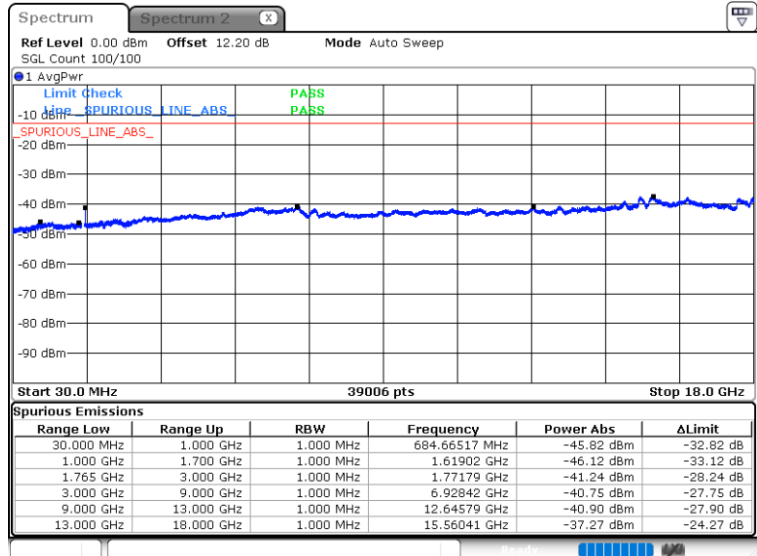


Date: 28.FEB.2022 23:13:23



Date: 28.FEB.2022 23:15:55

Highest Channel / QPSK



Date: 28.FEB.2022 23:20:26



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0063	PASS
40	Normal Voltage	0.0051	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0073	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0058	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0039	

Note:

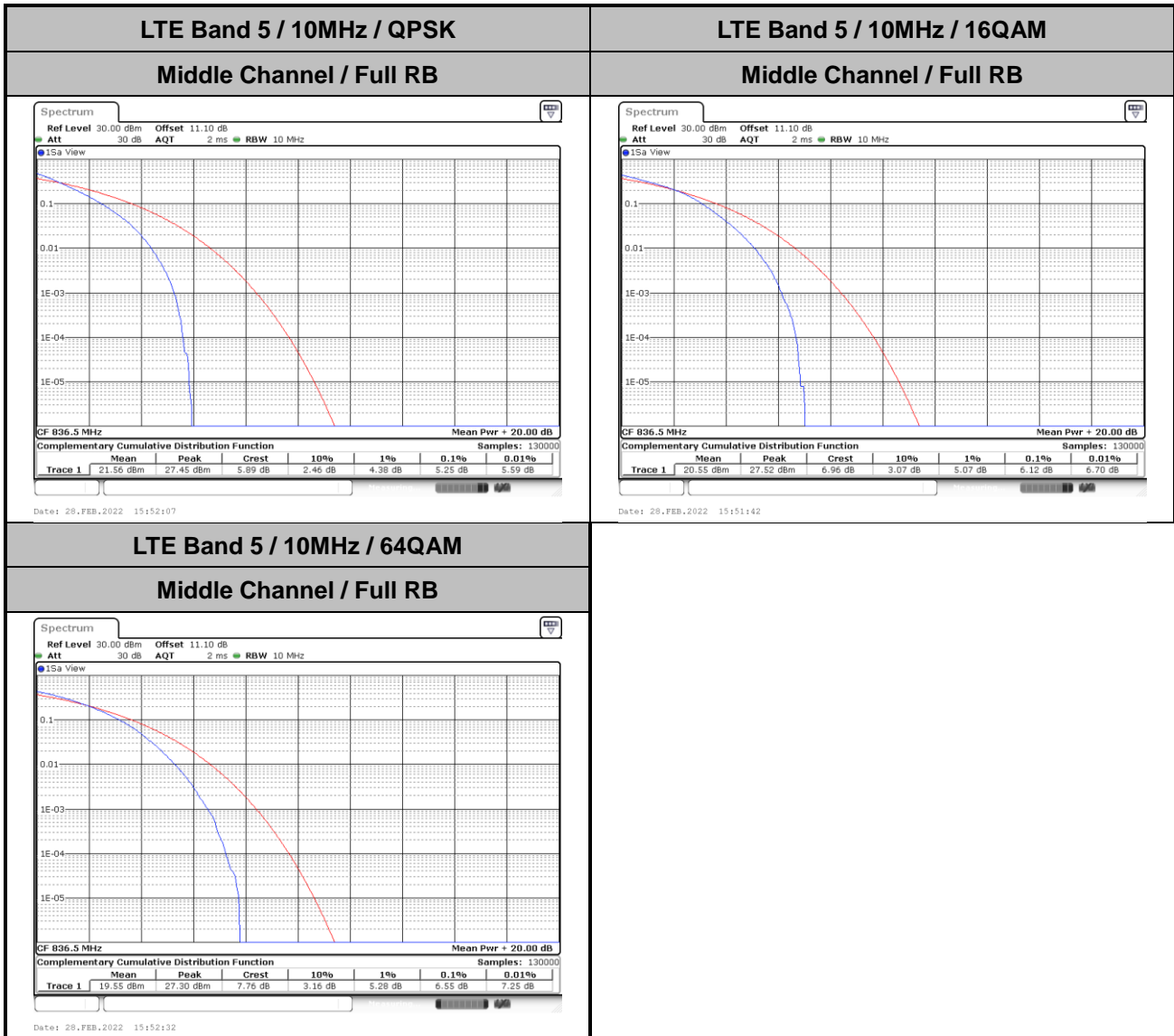
- 1. Normal Voltage =4 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.25	6.12	6.55	-	PASS





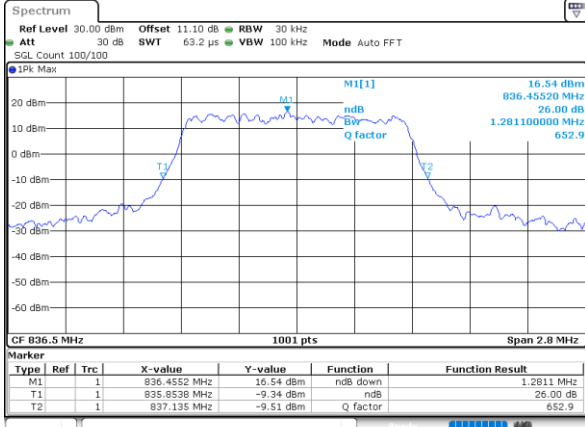
26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.28	1.25	3.02	3.03	4.83	4.93	9.87	9.79	-	-	-	-
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.28	-	3.03	-	4.82	-	9.91	-	-	-	-	-



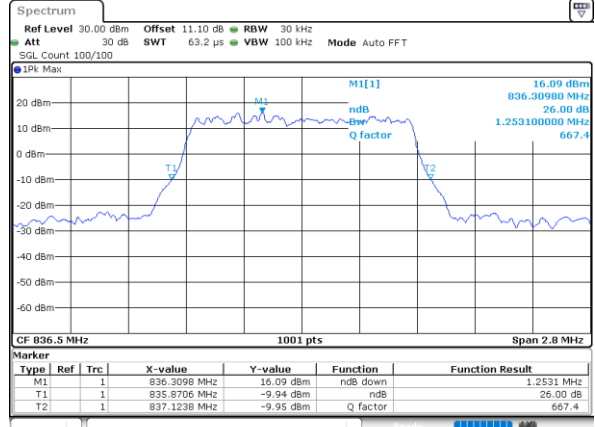
LTE Band 5

Middle Channel / 1.4MHz / QPSK



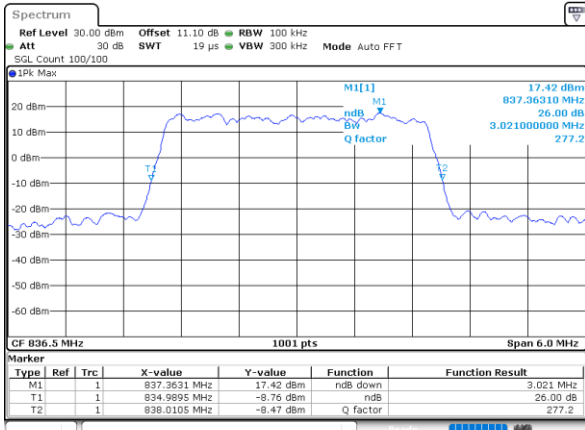
Date: 28.FEB.2022 13:57:23

Middle Channel / 1.4MHz / 16QAM



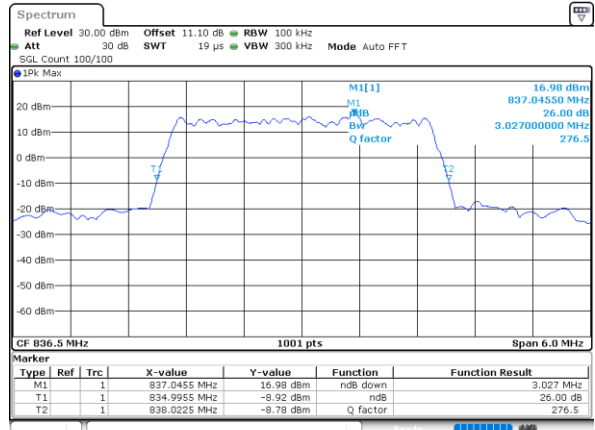
Date: 28.FEB.2022 13:57:49

Middle Channel / 3MHz / QPSK



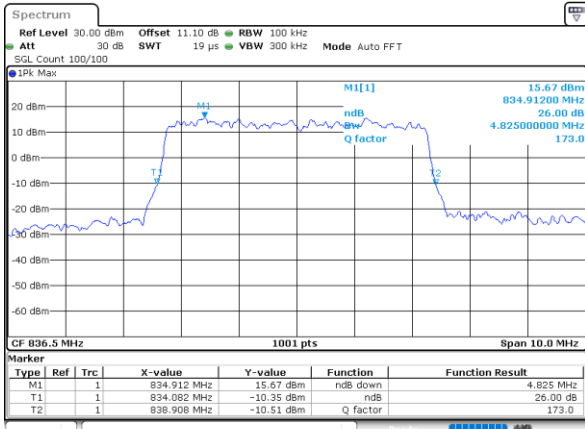
Date: 28.FEB.2022 15:03:10

Middle Channel / 3MHz / 16QAM



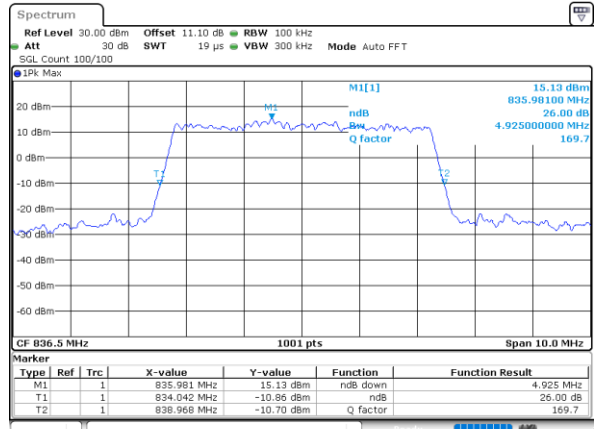
Date: 28.FEB.2022 15:03:34

Middle Channel / 5MHz / QPSK



Date: 28.FEB.2022 15:25:01

Middle Channel / 5MHz / 16QAM

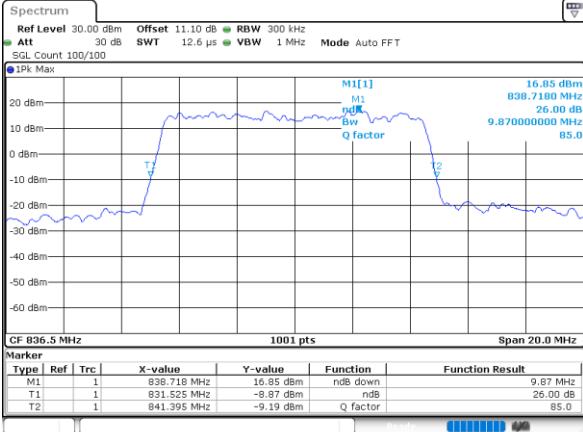


Date: 28.FEB.2022 15:25:24



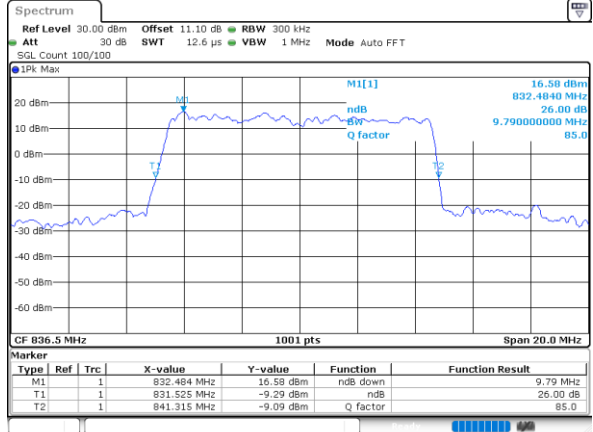
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 28.FEB.2022 15:41:03

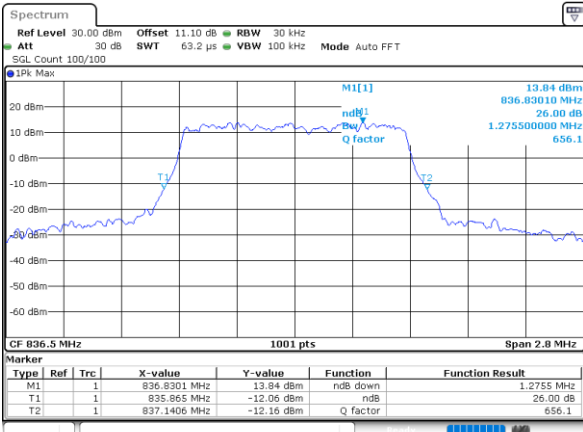
Middle Channel / 10MHz / 16QAM



Date: 28.FEB.2022 15:41:26

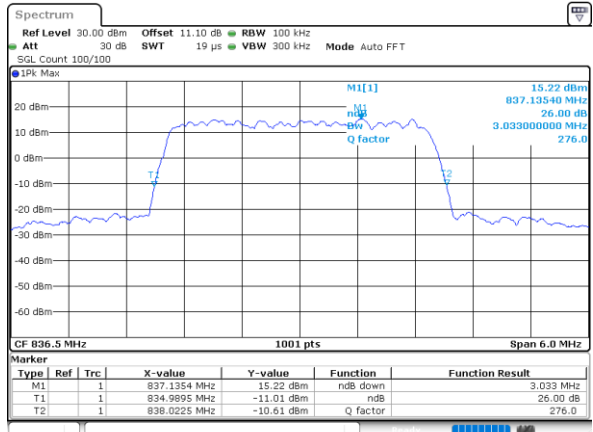
LTE Band 5

Middle Channel / 1.4MHz / 64QAM



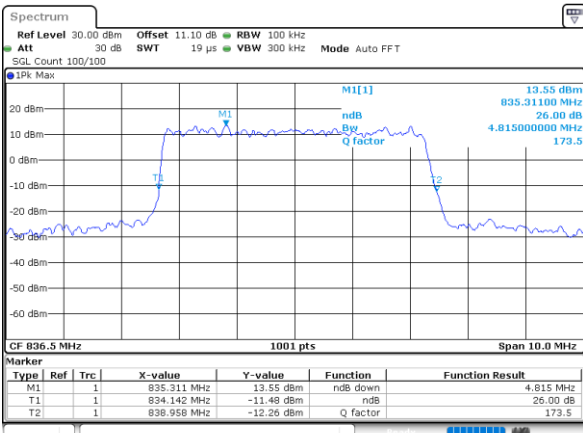
Date: 28.FEB.2022 14:06:03

Middle Channel / 3MHz / 64QAM



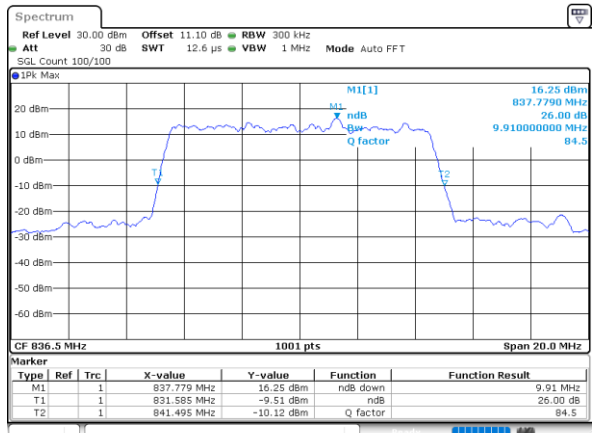
Date: 28.FEB.2022 15:11:38

Middle Channel / 5MHz / 64QAM



Date: 28.FEB.2022 15:33:27

Middle Channel / 10MHz / 64QAM



Date: 28.FEB.2022 15:49:30



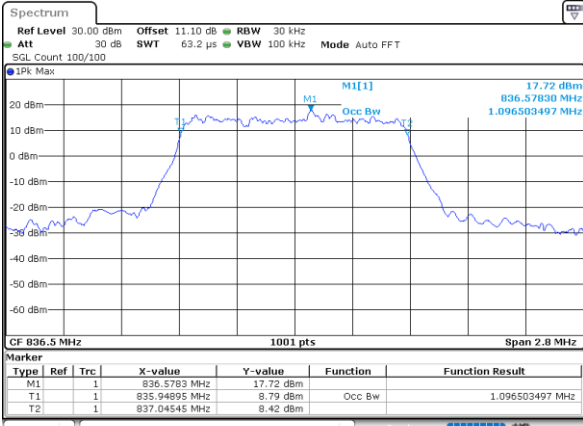
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.10	1.10	2.69	2.72	4.49	4.49	9.09	9.07	-	-	-	-
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.10	-	2.72	-	4.49	-	9.03	-	-	-	-	-



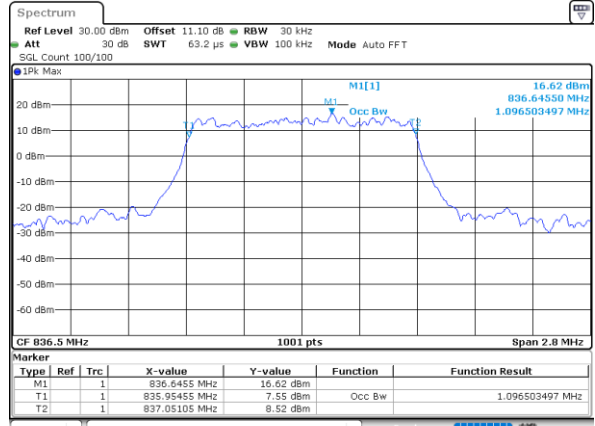
LTE Band 5

Middle Channel / 1.4MHz / QPSK



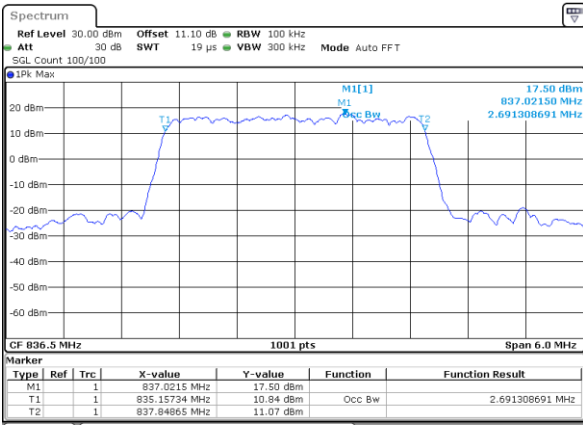
Date: 28.FEB.2022 13:56:32

Middle Channel / 1.4MHz / 16QAM



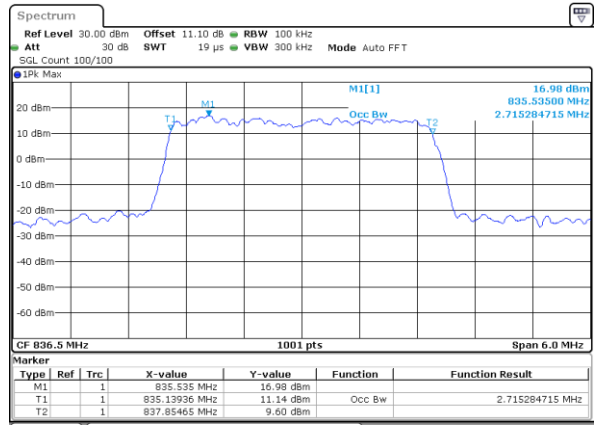
Date: 28.FEB.2022 13:56:57

Middle Channel / 3MHz / QPSK



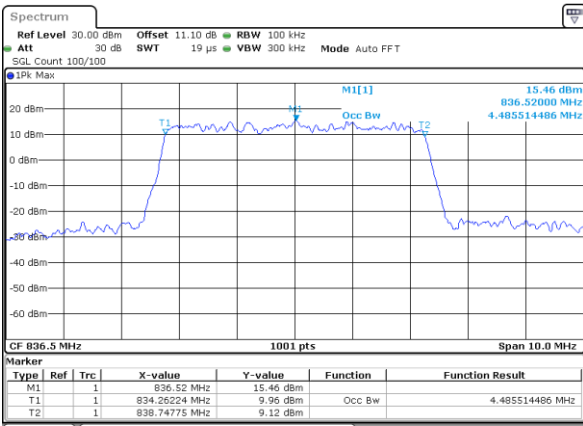
Date: 28.FEB.2022 15:02:03

Middle Channel / 3MHz / 16QAM



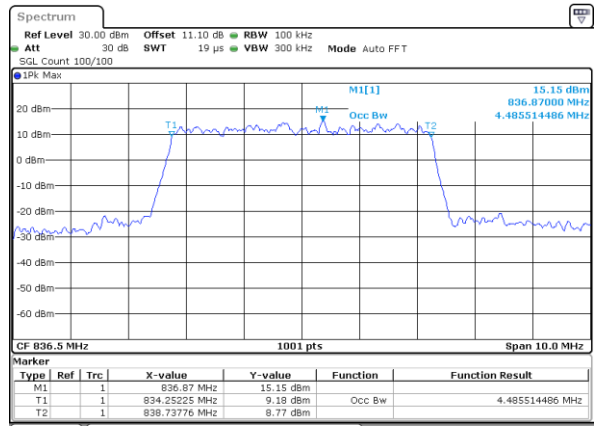
Date: 28.FEB.2022 15:02:46

Middle Channel / 5MHz / QPSK



Date: 28.FEB.2022 15:24:13

Middle Channel / 5MHz / 16QAM

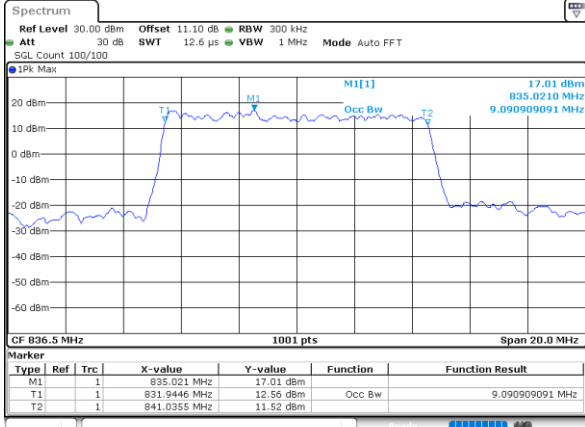


Date: 28.FEB.2022 15:24:37



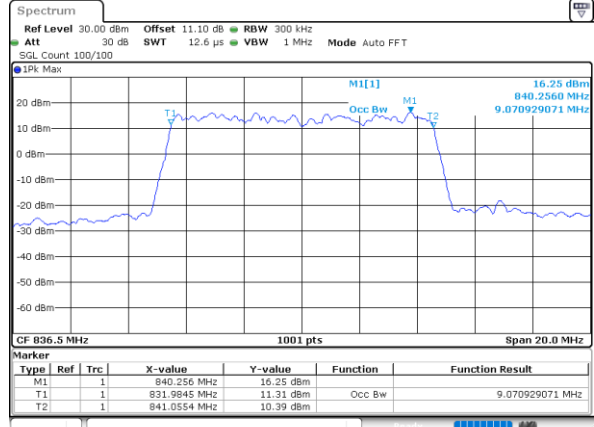
LTE Band 5

Middle Channel / 10MHz / QPSK



Date: 28.FEB.2022 15:40:15

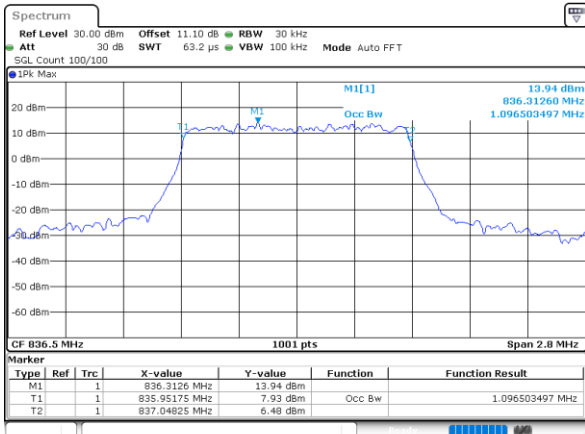
Middle Channel / 10MHz / 16QAM



Date: 28.FEB.2022 15:40:139

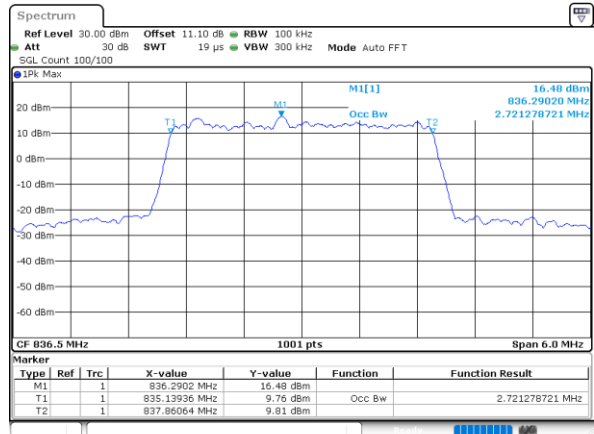
LTE Band 5

Middle Channel / 1.4MHz / 64QAM



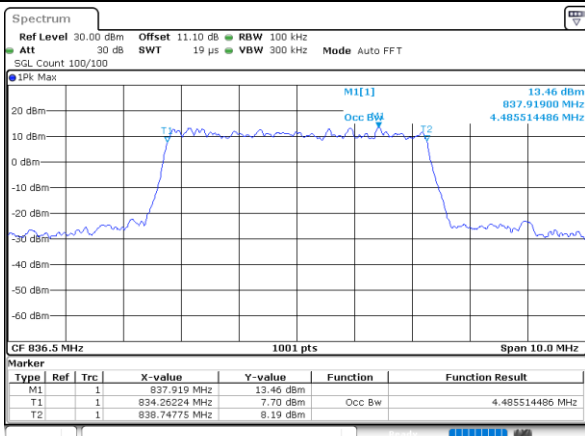
Date: 28.FEB.2022 14:05:49

Middle Channel / 3MHz / 64QAM



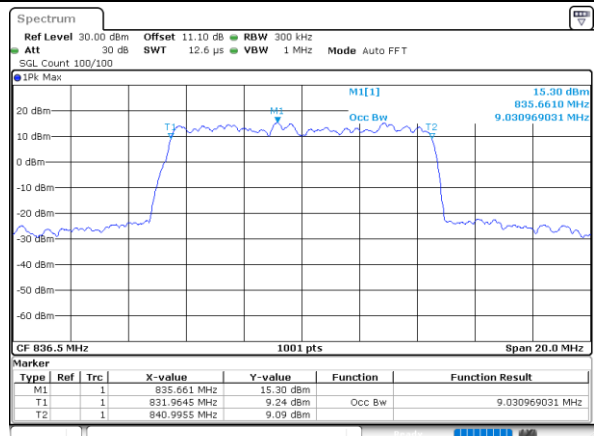
Date: 28.FEB.2022 15:11:115

Middle Channel / 5MHz / 64QAM



Date: 28.FEB.2022 15:33:04

Middle Channel / 10MHz / 64QAM



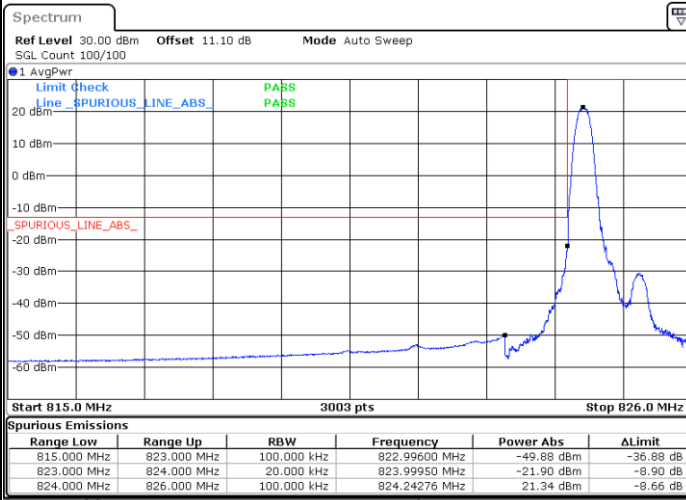
Date: 28.FEB.2022 15:49:07



Conducted Band Edge

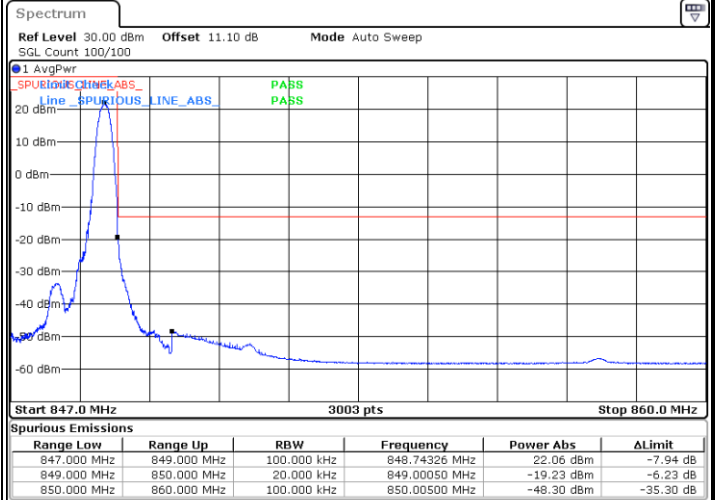
LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



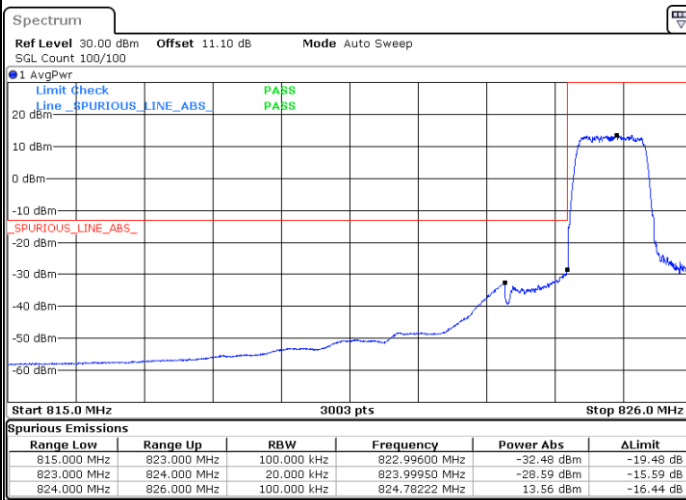
Date: 28.FEB.2022 13:52:18

Highest Band Edge / 1RB



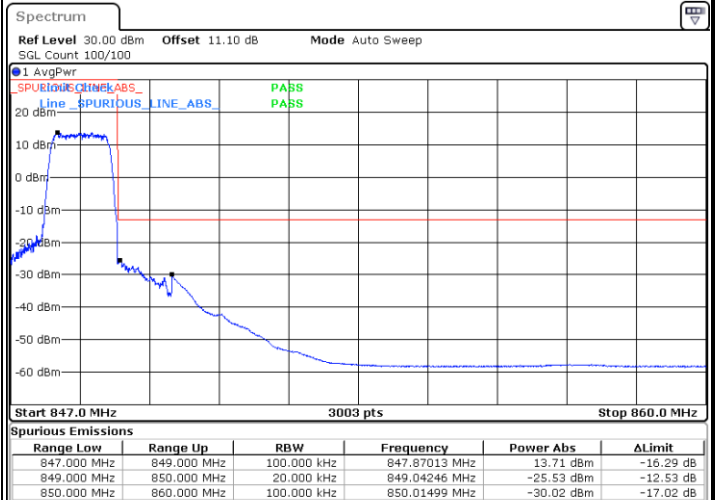
Date: 28.FEB.2022 14:01:35

Lowest Band Edge / Full RB



Date: 28.FEB.2022 13:54:10

Highest Band Edge / Full RB

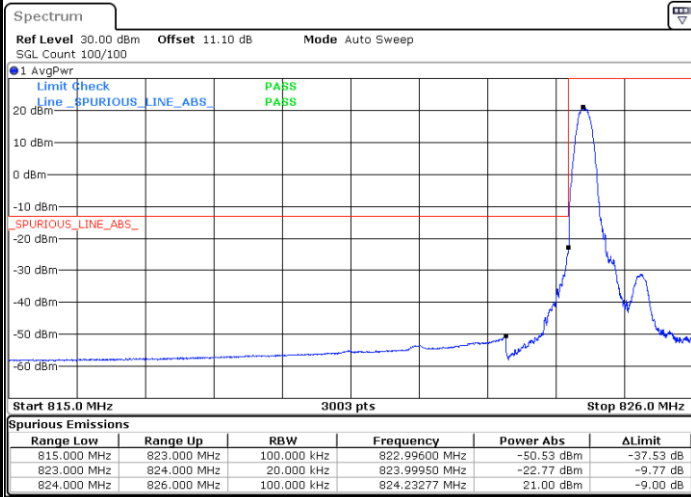


Date: 28.FEB.2022 13:59:44



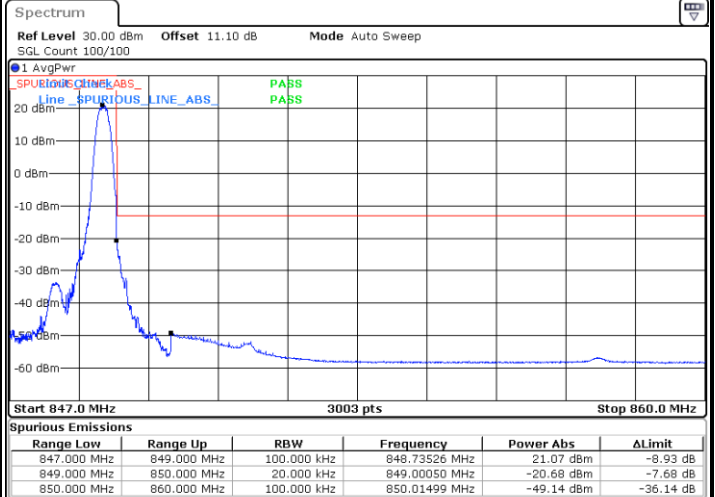
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



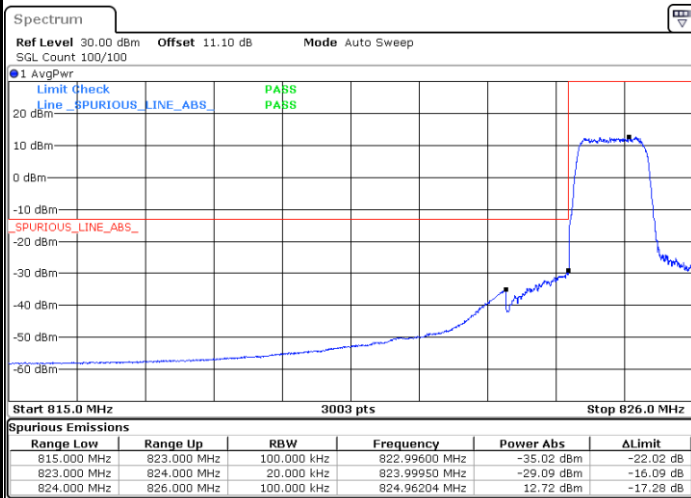
Date: 28.FEB.2022 13:53:14

Highest Band Edge / 1 RB



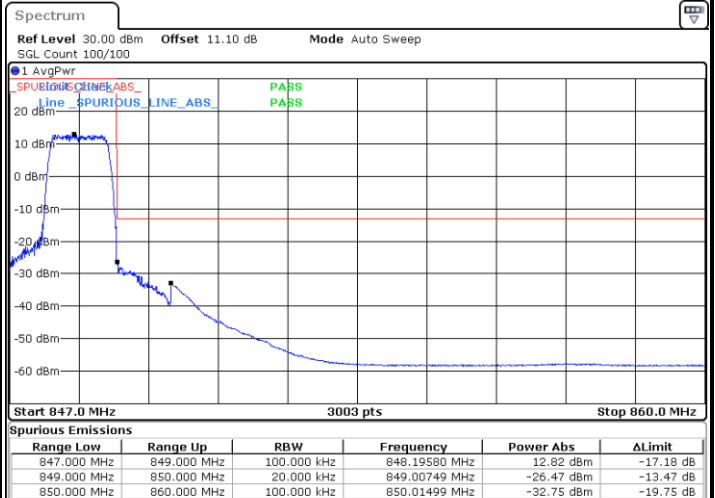
Date: 28.FEB.2022 14:02:31

Lowest Band Edge / Full RB



Date: 28.FEB.2022 13:55:05

Highest Band Edge / Full RB

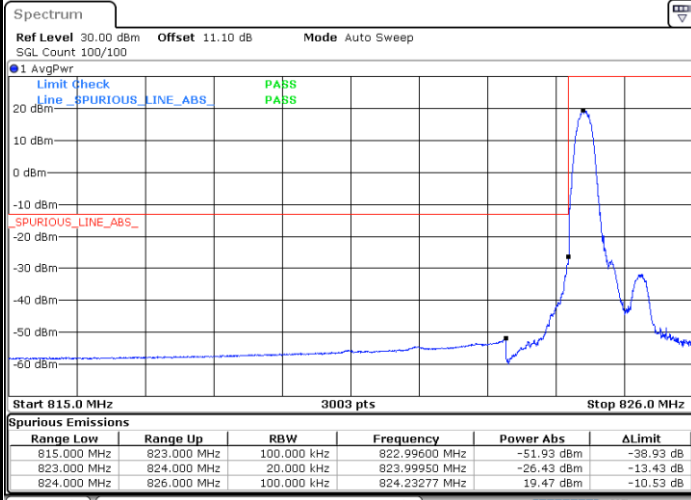


Date: 28.FEB.2022 14:00:39



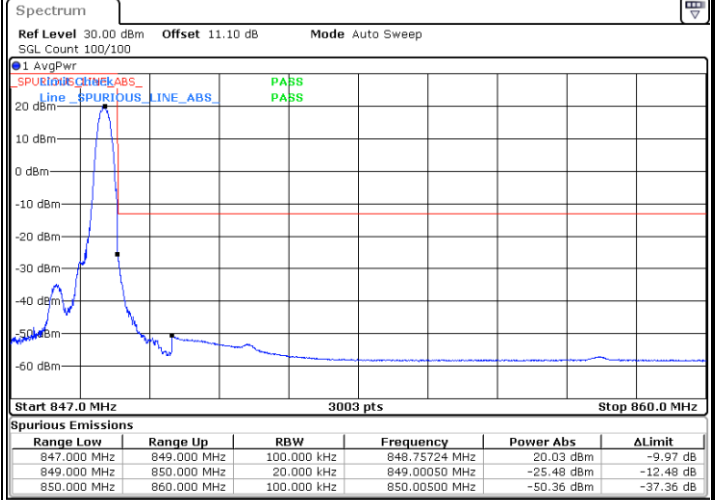
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



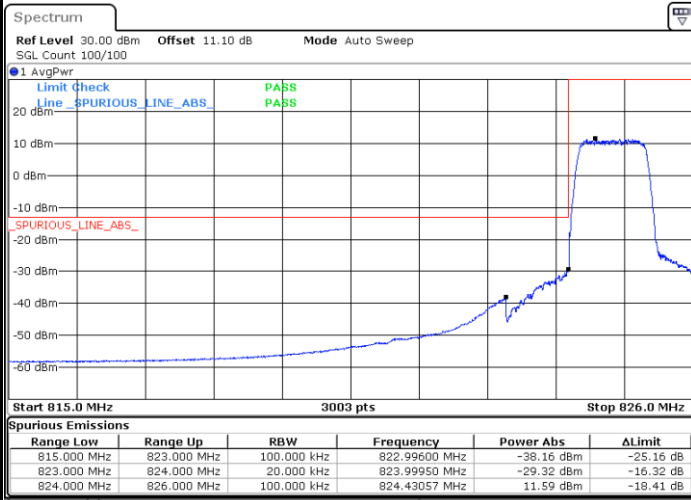
Date: 28.FEB.2022 14:04:28

Highest Band Edge / 1 RB



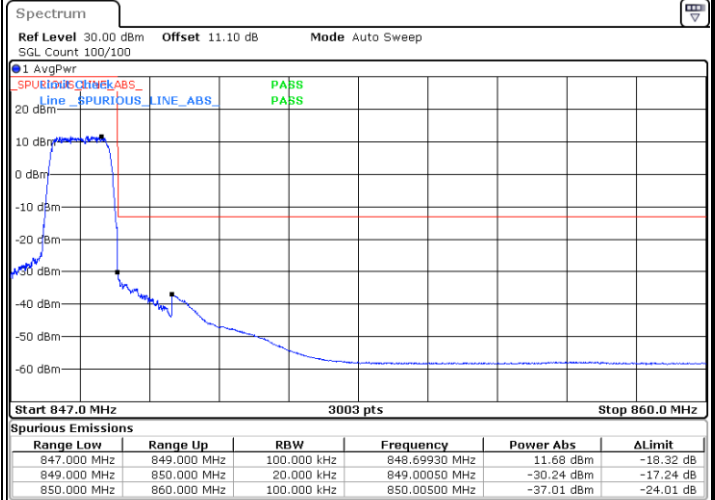
Date: 28.FEB.2022 14:07:54

Lowest Band Edge / Full RB



Date: 28.FEB.2022 14:05:23

Highest Band Edge / Full RB

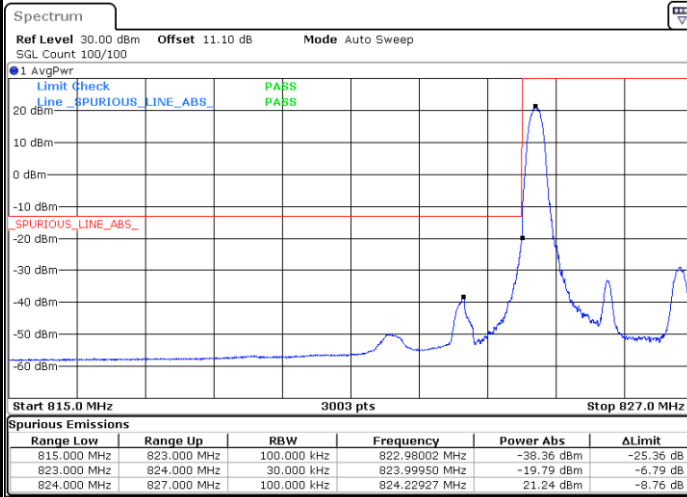


Date: 28.FEB.2022 14:06:58

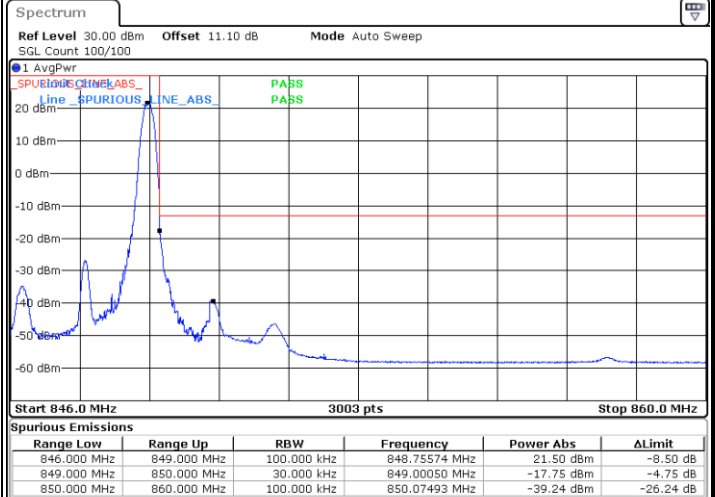


LTE Band 5 / 3MHz / QPSK

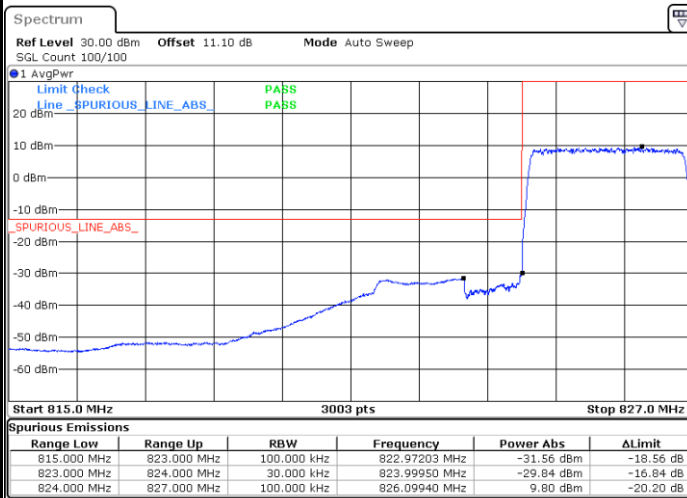
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



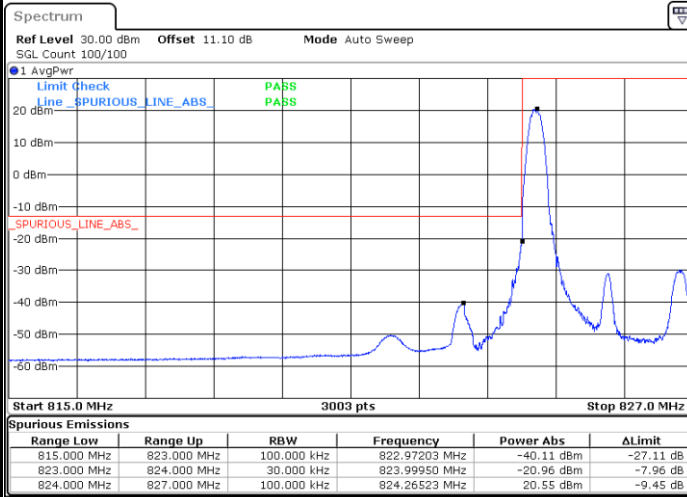
Highest Band Edge / Full RB





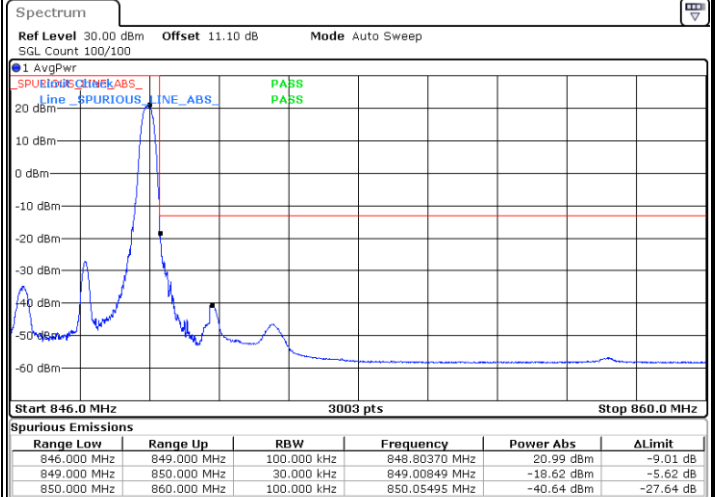
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



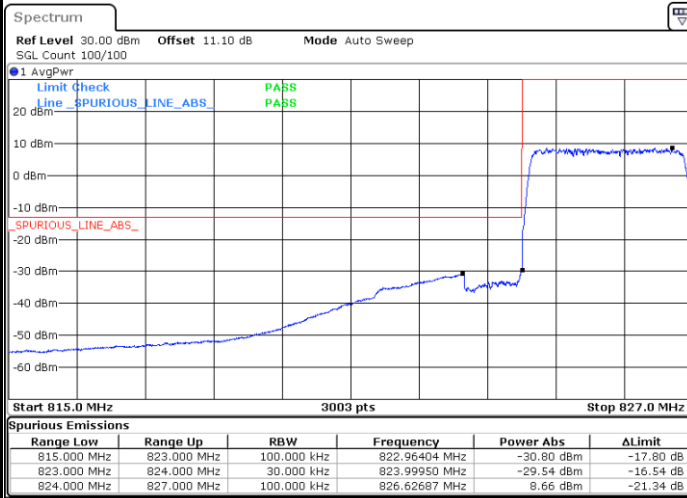
Date: 28.FEB.2022 14:59:13

Highest Band Edge / 1 RB



Date: 28.FEB.2022 15:06:19

Lowest Band Edge / Full RB



Date: 28.FEB.2022 15:01:00

Highest Band Edge / Full RB



Date: 28.FEB.2022 15:08:06