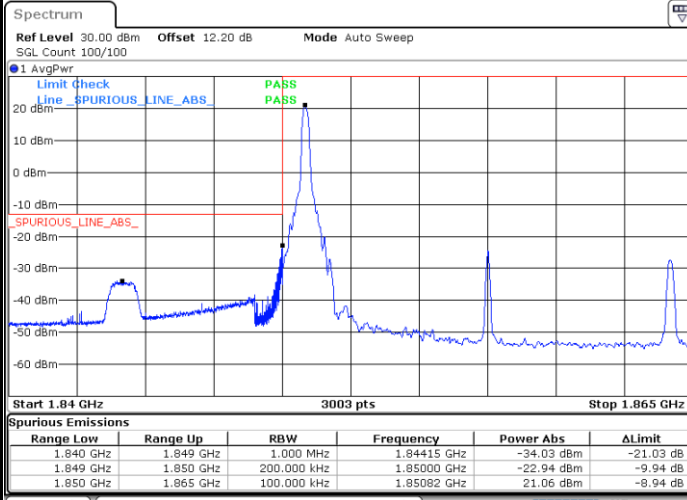




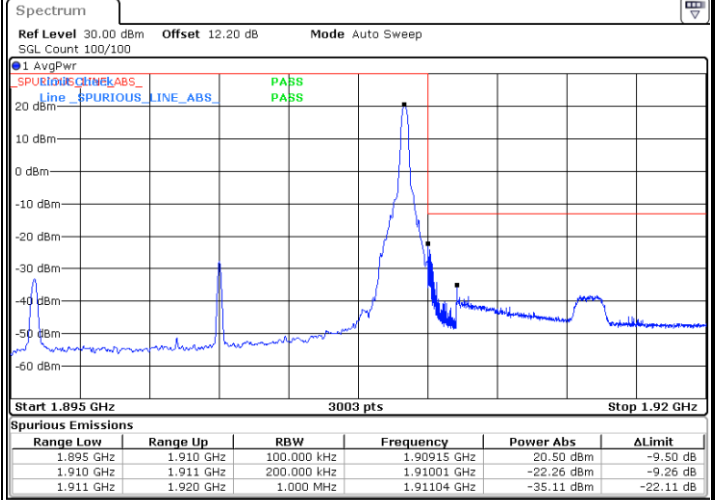
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



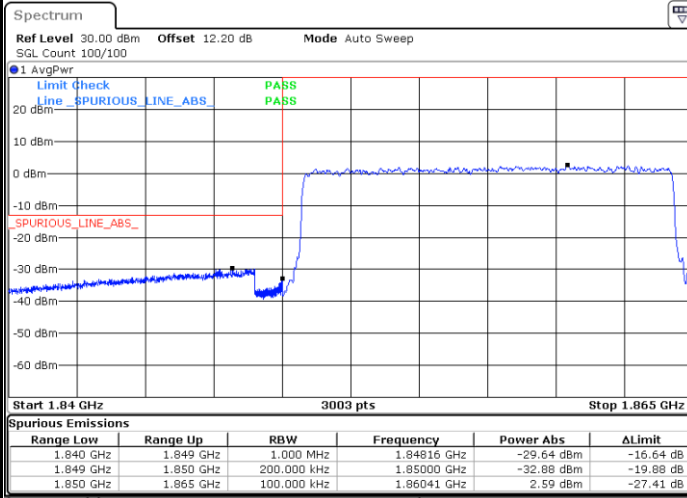
Date: 25.FEB.2022 20:15:04

Highest Band Edge / 1 RB



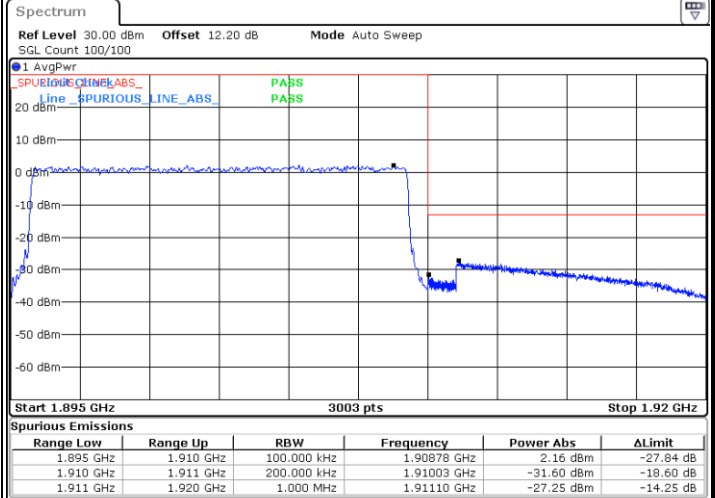
Date: 25.FEB.2022 20:22:08

Lowest Band Edge / Full RB



Date: 25.FEB.2022 20:16:51

Highest Band Edge / Full RB

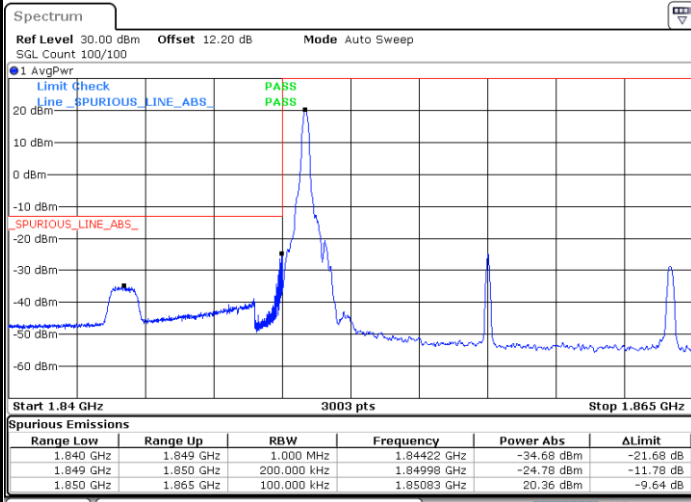


Date: 25.FEB.2022 20:23:54



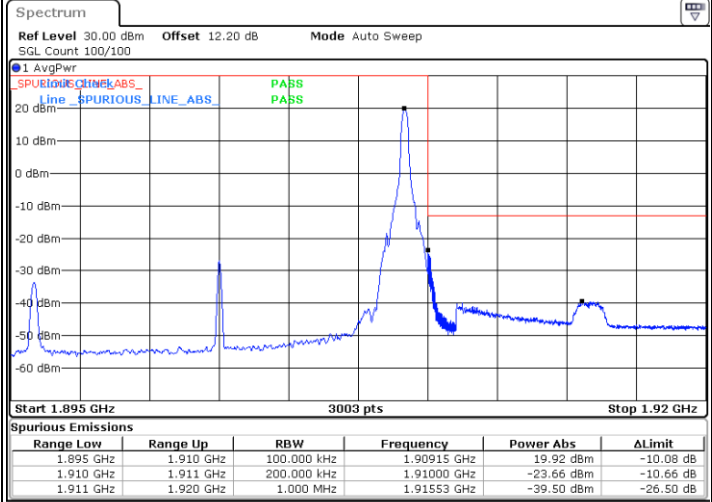
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



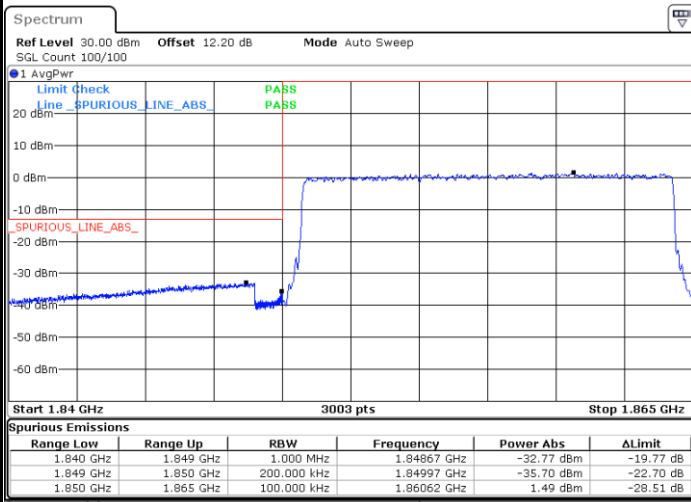
Date: 25.FEB.2022 20:50:27

Highest Band Edge / 1 RB



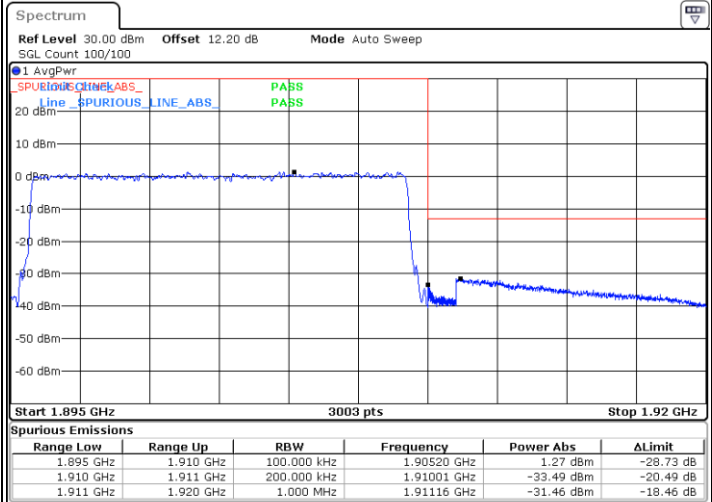
Date: 25.FEB.2022 20:53:01

Lowest Band Edge / Full RB



Date: 25.FEB.2022 20:51:20

Highest Band Edge / Full RB

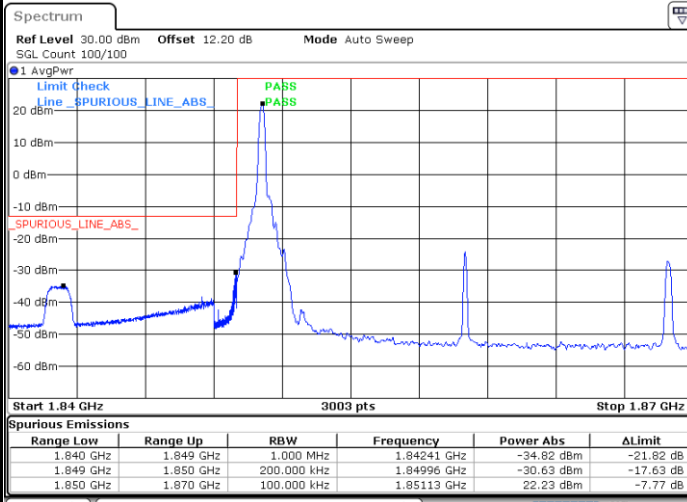


Date: 25.FEB.2022 20:53:54



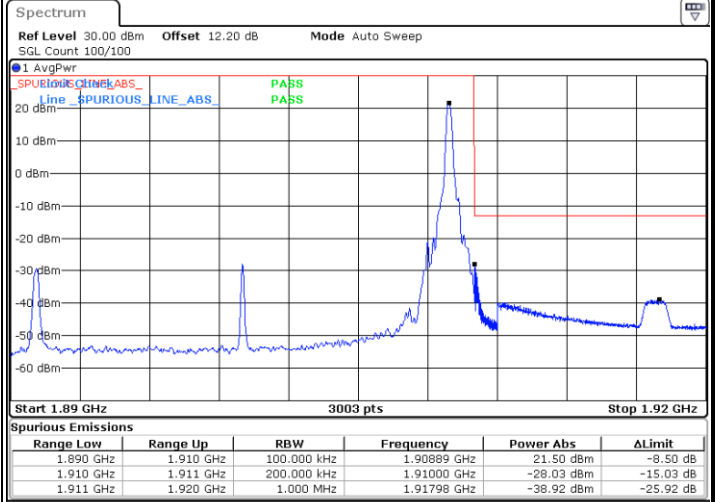
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



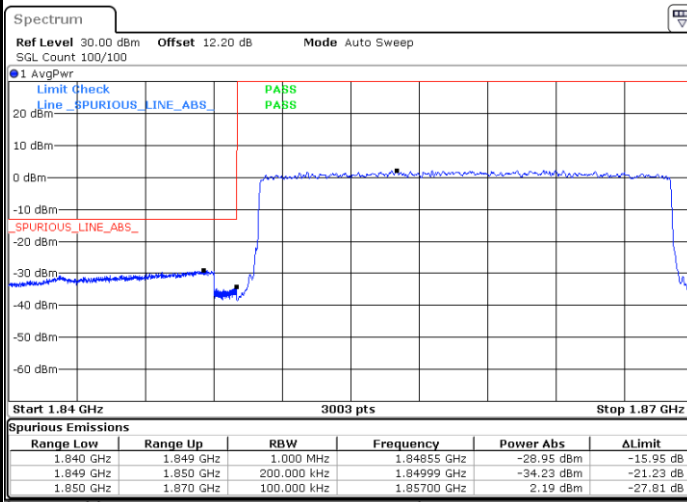
Date: 25.FEB.2022 20:25:46

Highest Band Edge / 1 RB



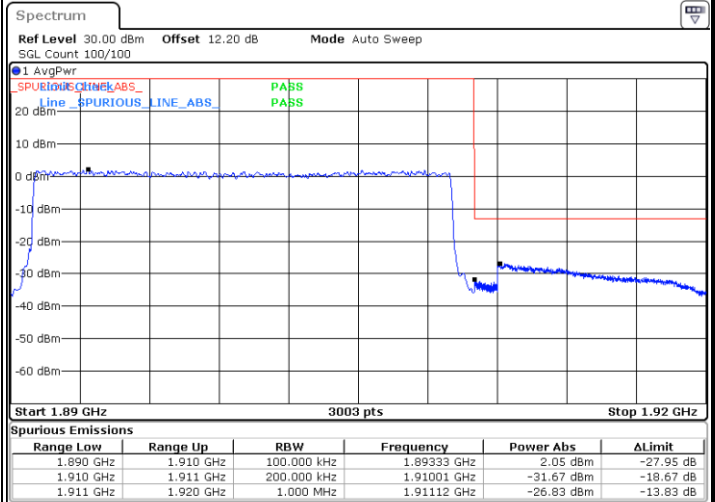
Date: 25.FEB.2022 20:32:50

Lowest Band Edge / Full RB



Date: 25.FEB.2022 20:27:34

Highest Band Edge / Full RB

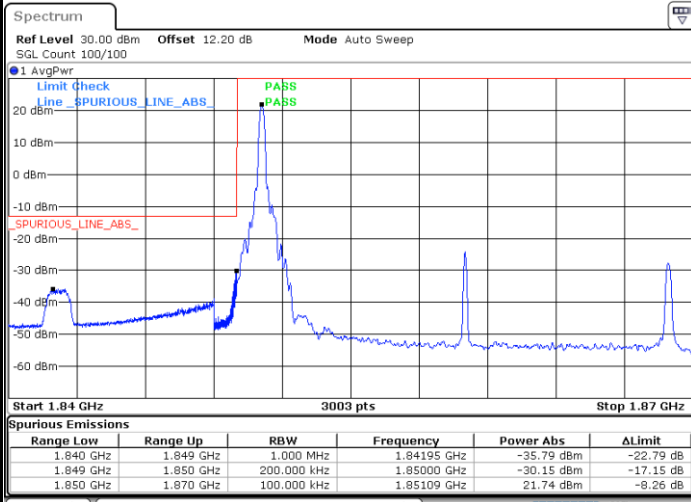


Date: 25.FEB.2022 20:34:37



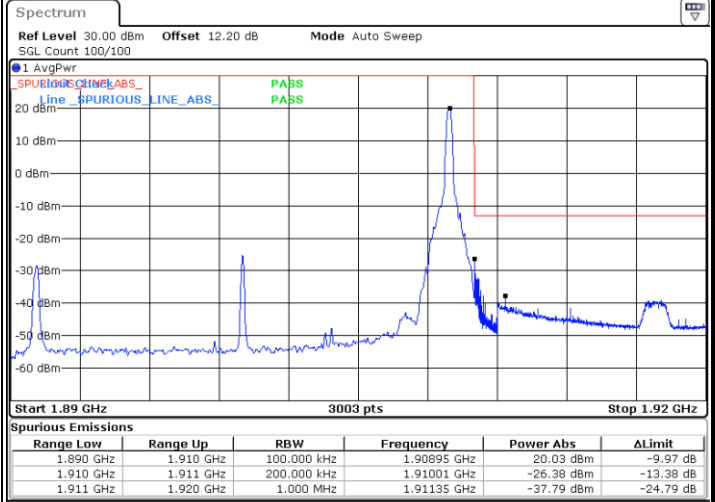
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



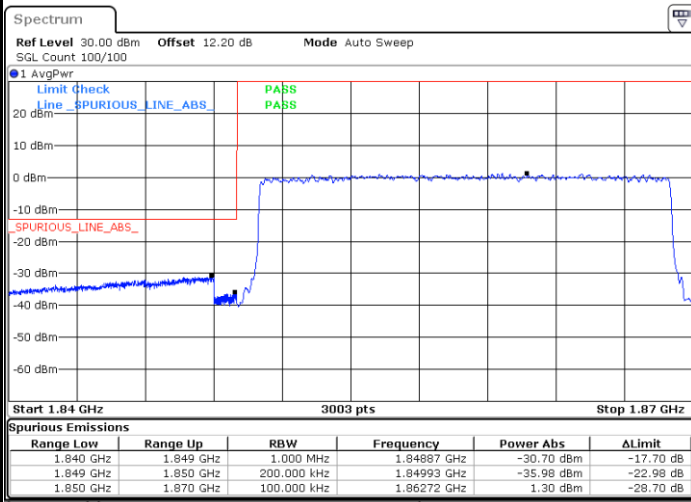
Date: 25.FEB.2022 20:26:39

Highest Band Edge / 1 RB



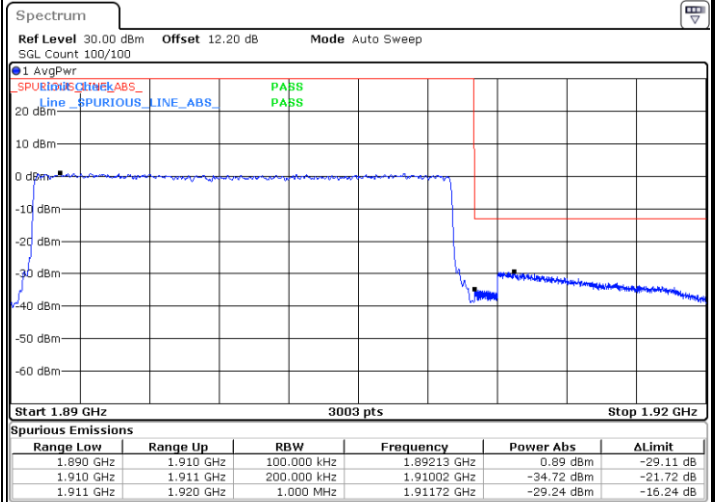
Date: 25.FEB.2022 20:33:44

Lowest Band Edge / Full RB



Date: 25.FEB.2022 20:28:28

Highest Band Edge / Full RB

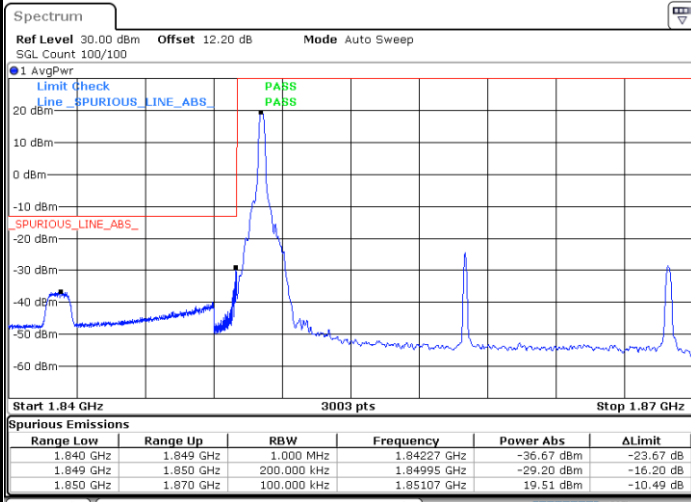


Date: 25.FEB.2022 20:35:30



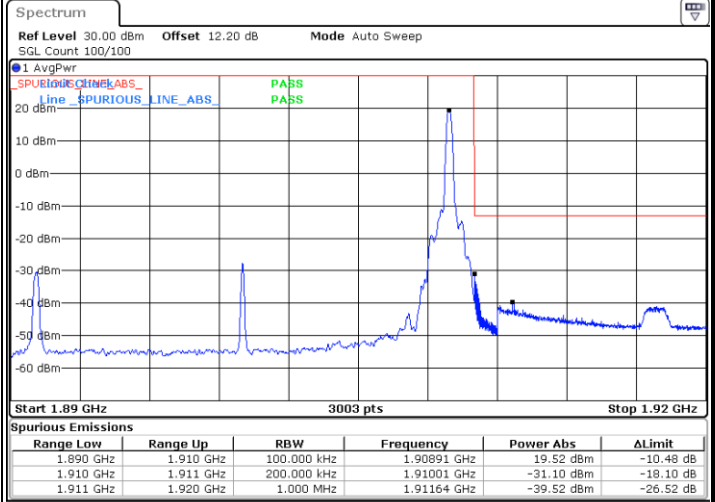
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



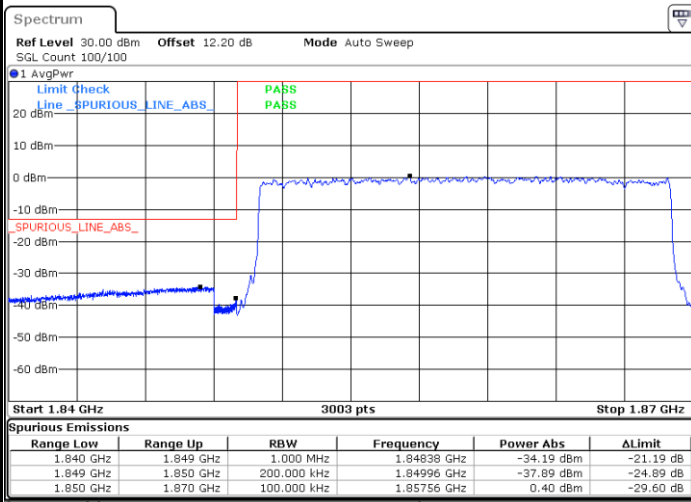
Date: 25.FEB.2022 20:54:49

Highest Band Edge / 1 RB



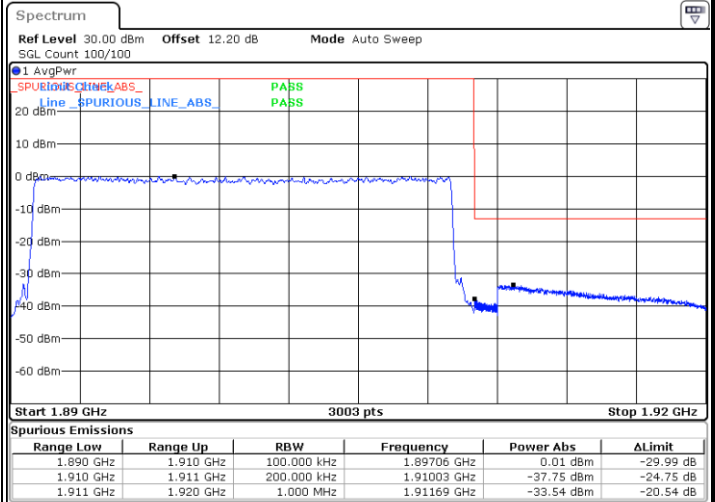
Date: 25.FEB.2022 20:57:23

Lowest Band Edge / Full RB



Date: 25.FEB.2022 20:55:42

Highest Band Edge / Full RB



Date: 25.FEB.2022 20:58:16

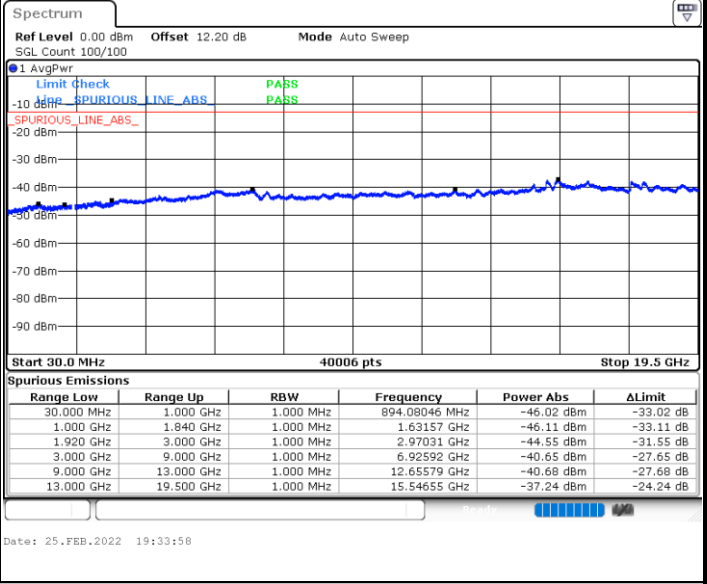
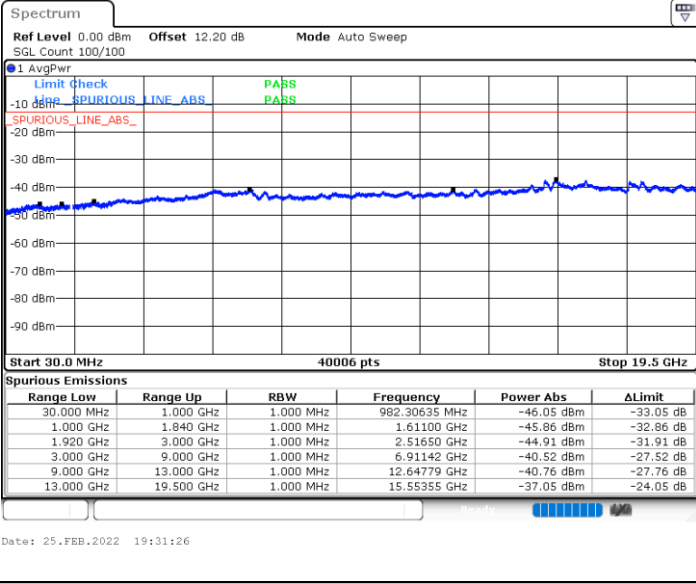


# Conducted Spurious Emission

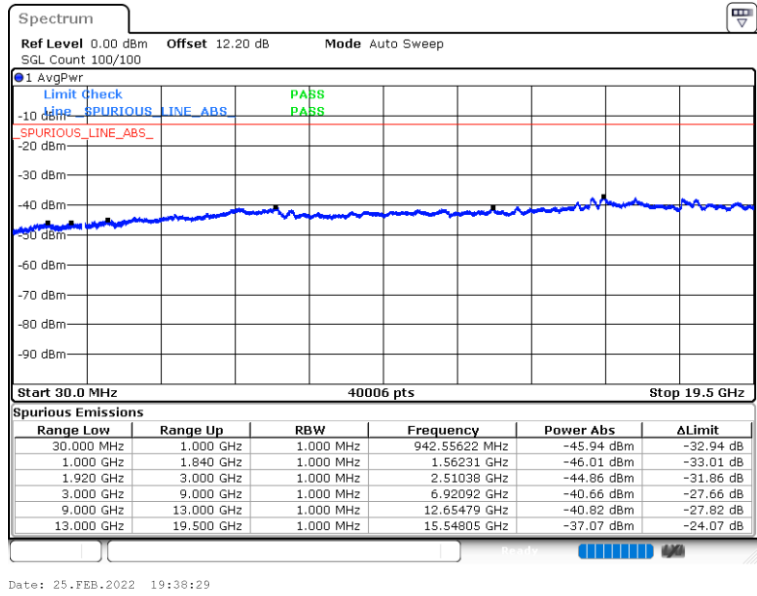
## LTE Band 2 / 1.4MHz

### Lowest Channel / QPSK

### Middle Channel / QPSK



### Highest Channel / QPSK

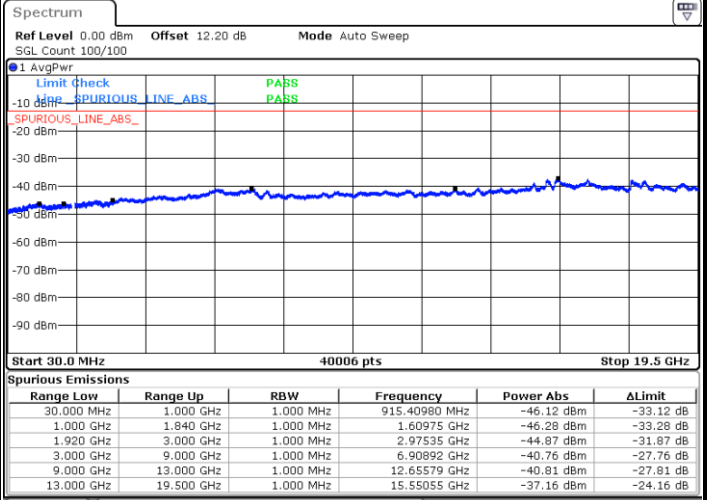
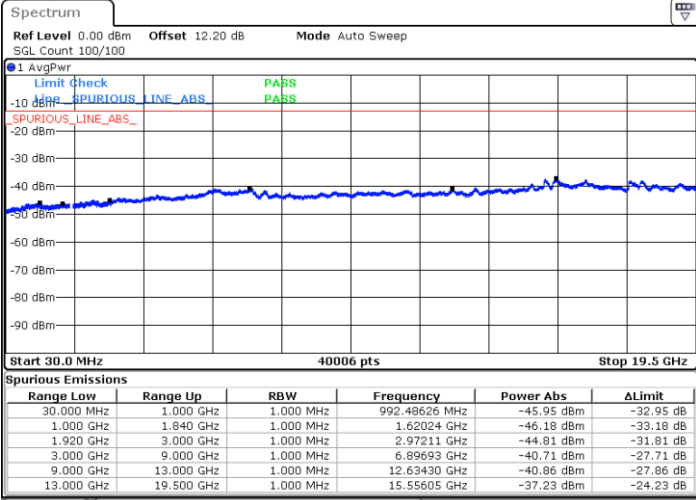




LTE Band 2 / 3MHz

Lowest Channel / QPSK

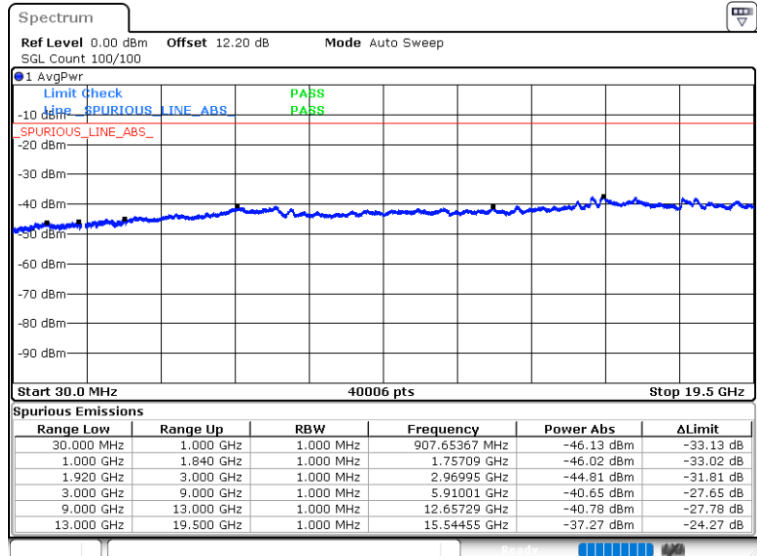
Middle Channel / QPSK



Date: 25.FEB.2022 19:43:01

Date: 25.FEB.2022 19:45:33

Highest Channel / QPSK



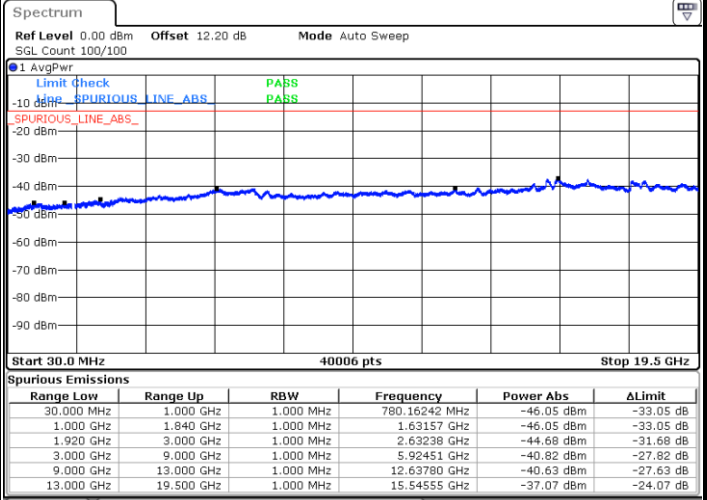
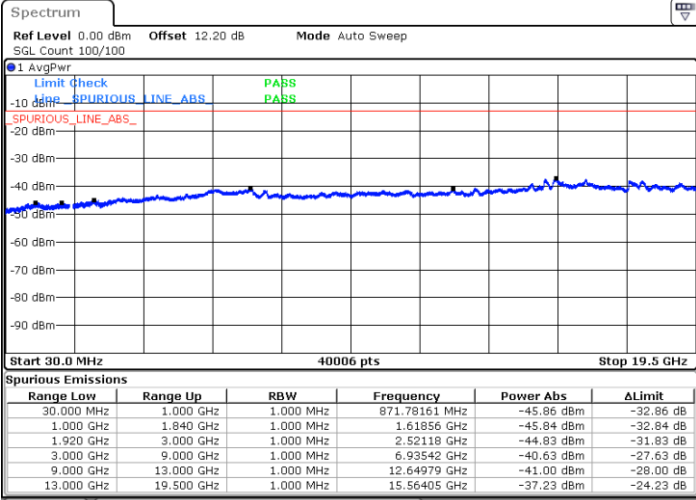
Date: 25.FEB.2022 19:50:05



LTE Band 2 / 5MHz

Lowest Channel / QPSK

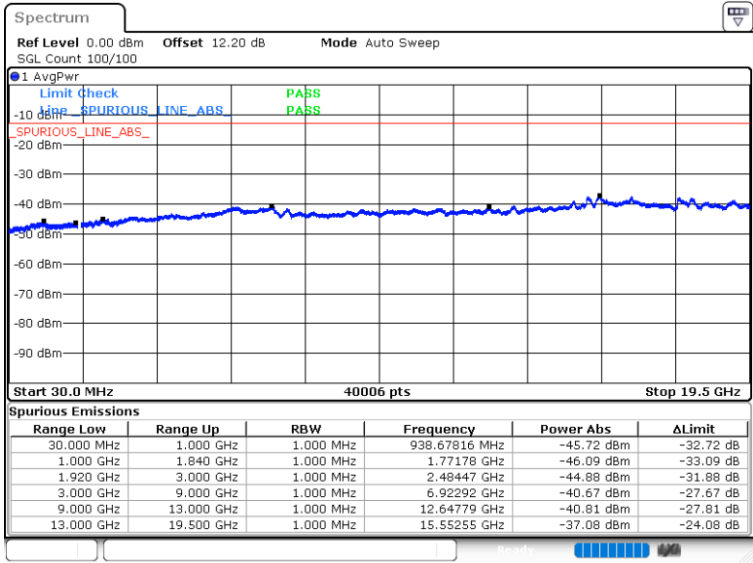
Middle Channel / QPSK



Date: 25.FEB.2022 19:54:37

Date: 25.FEB.2022 19:57:09

Highest Channel / QPSK



Date: 25.FEB.2022 20:01:40

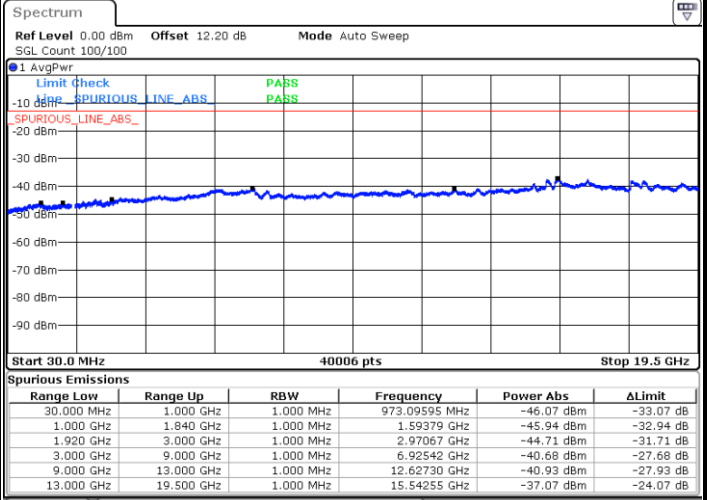
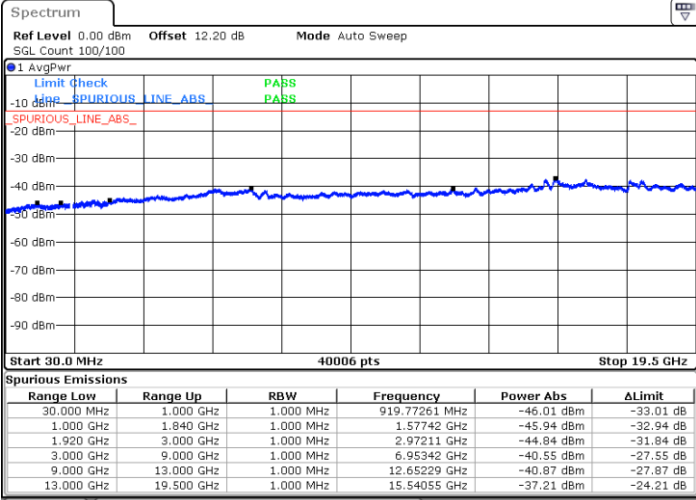




LTE Band 2 / 10MHz

Lowest Channel / QPSK

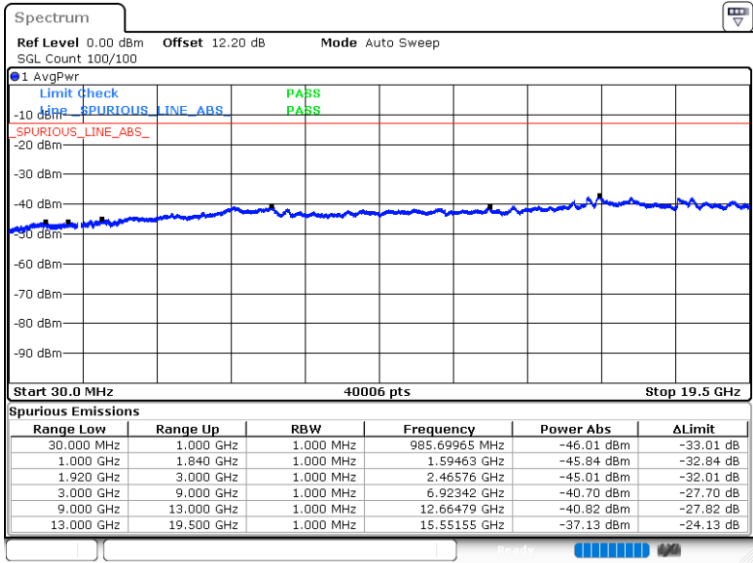
Middle Channel / QPSK



Date: 25.FEB.2022 20:06:13

Date: 25.FEB.2022 20:08:45

Highest Channel / QPSK



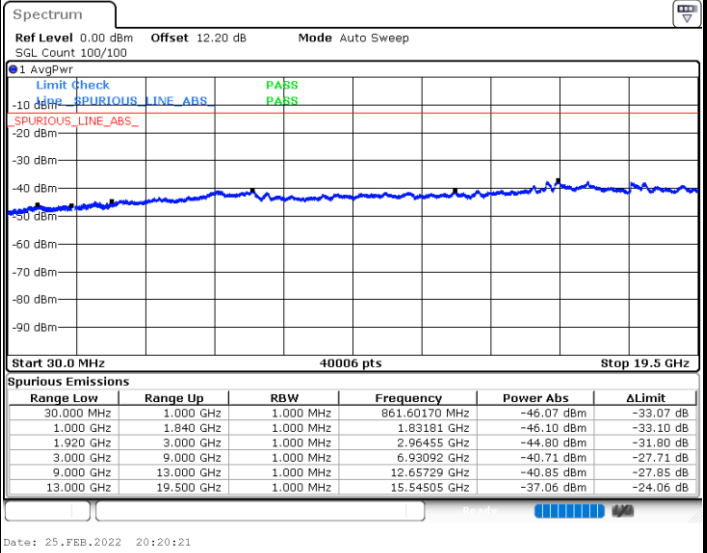
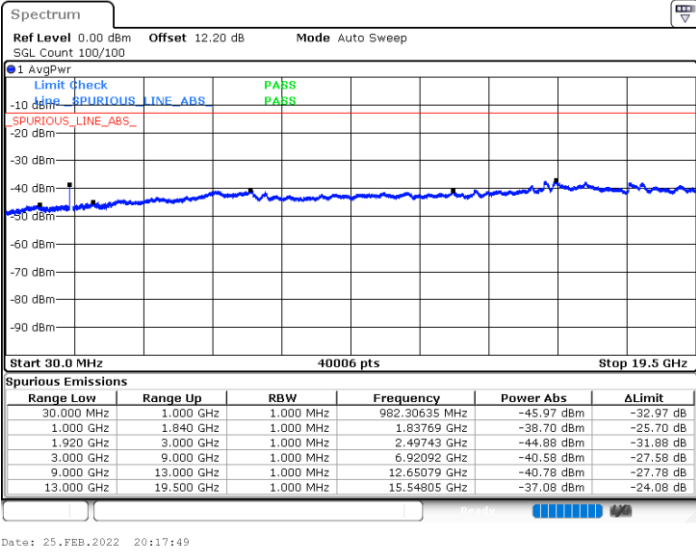
Date: 25.FEB.2022 20:13:17



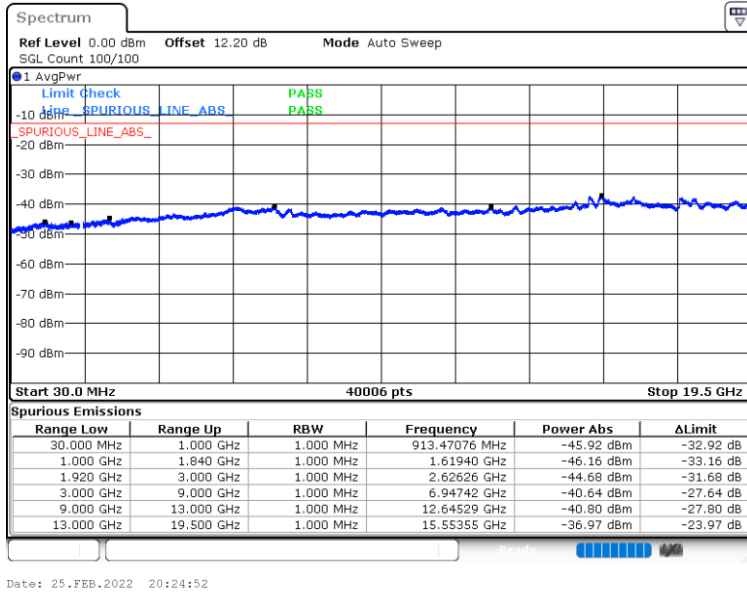
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

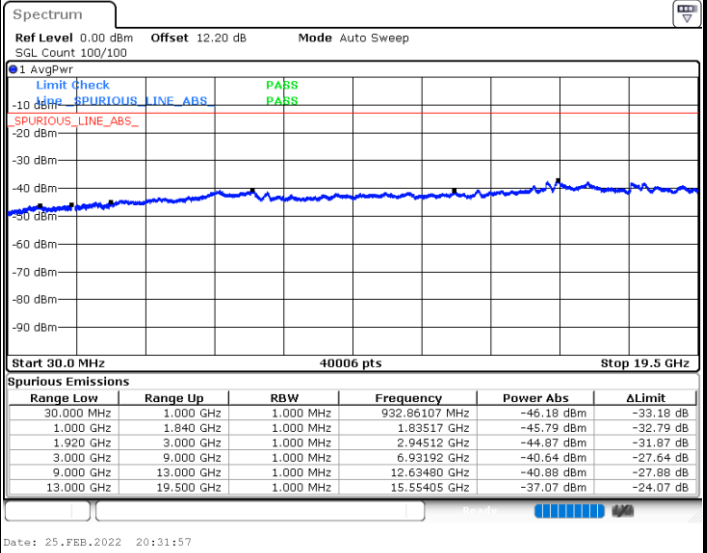
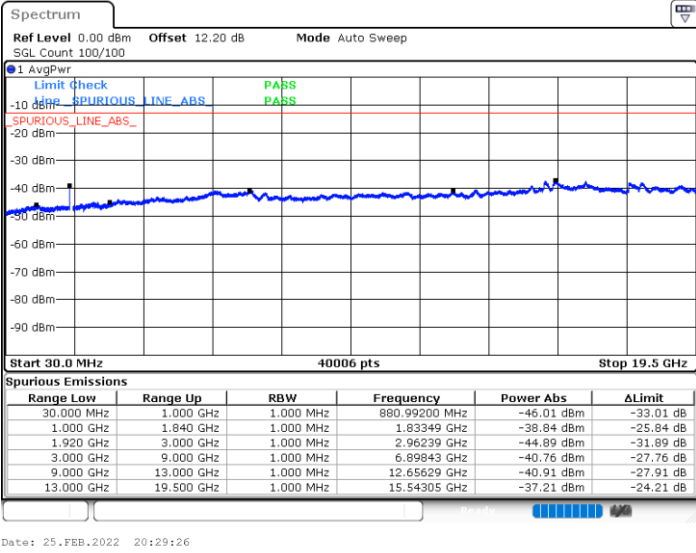




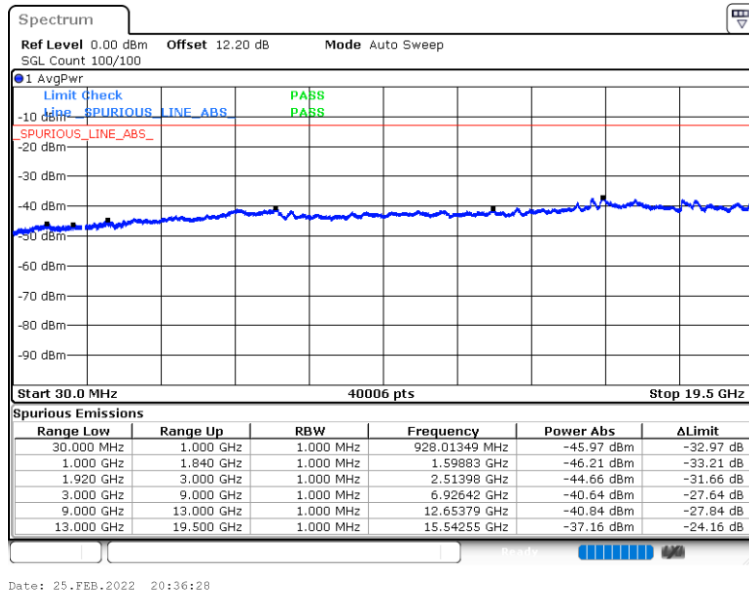
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0044	

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 4

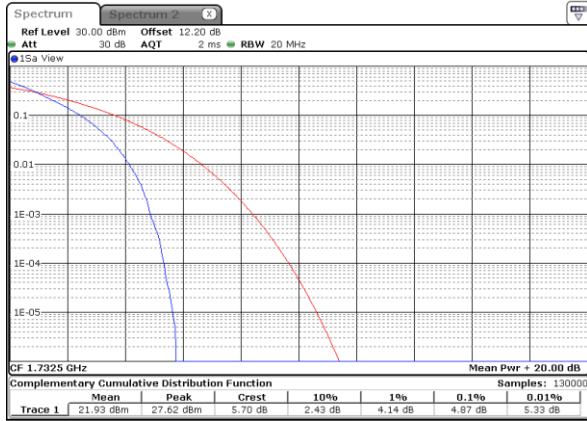
### Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.87	5.83	6.20	-	PASS



LTE Band 4 / 20MHz / QPSK

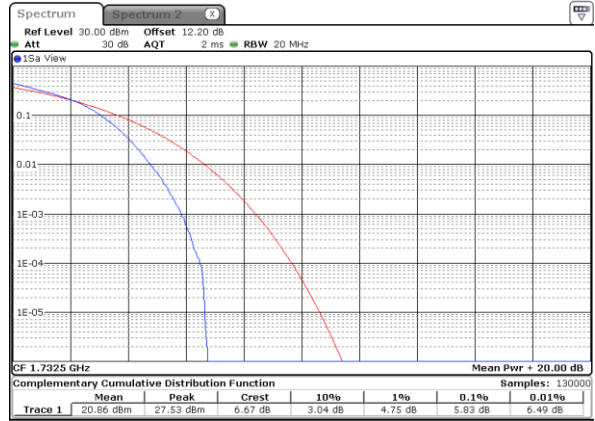
Middle Channel / Full RB



Date: 28.FEB.2022 23:25:37

LTE Band 4 / 20MHz / 16QAM

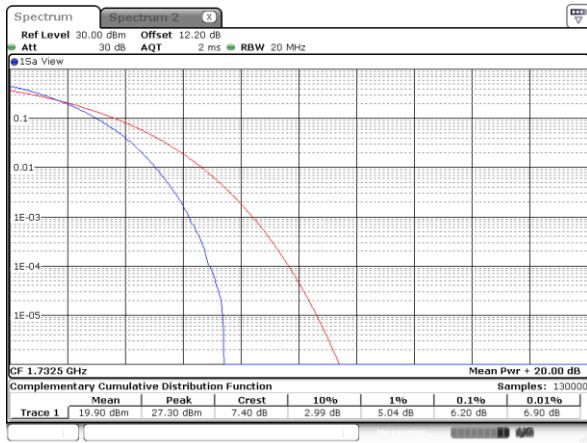
Middle Channel / Full RB



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

LTE Band 4 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 28.FEB.2022 23:27:48



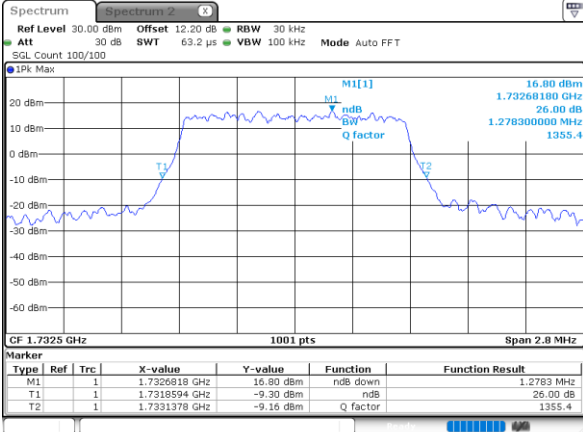
**26dB Bandwidth**

Mode	LTE Band 4 : 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	1.27	3.02	3.03	4.91	4.91	9.79	9.85	14.27	14.48	19.02	18.94
Mode	LTE Band 4 : 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	-	4.91	-	9.95	-	14.57	-	18.82	-



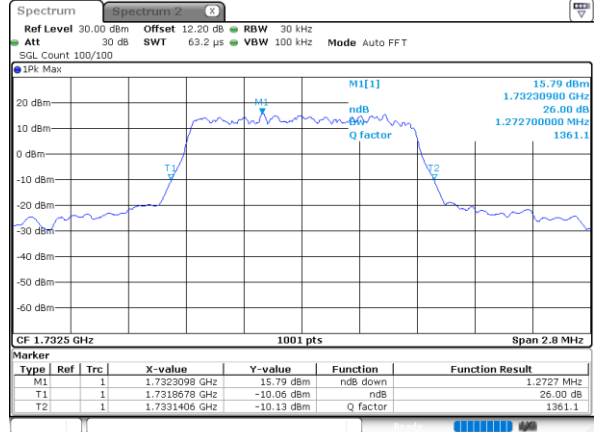
LTE Band 4

Middle Channel / 1.4MHz / QPSK



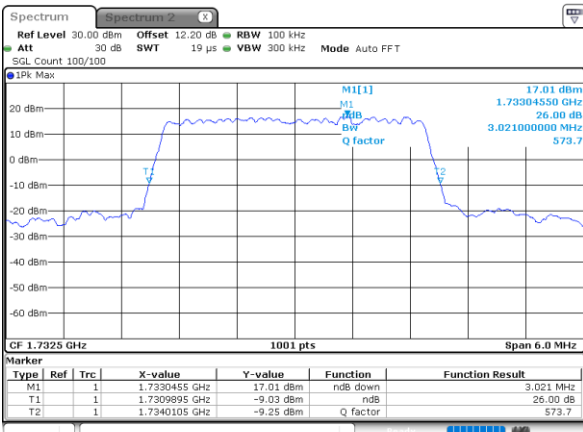
Date: 28.FEB.2022 21:54:43

Middle Channel / 1.4MHz / 16QAM



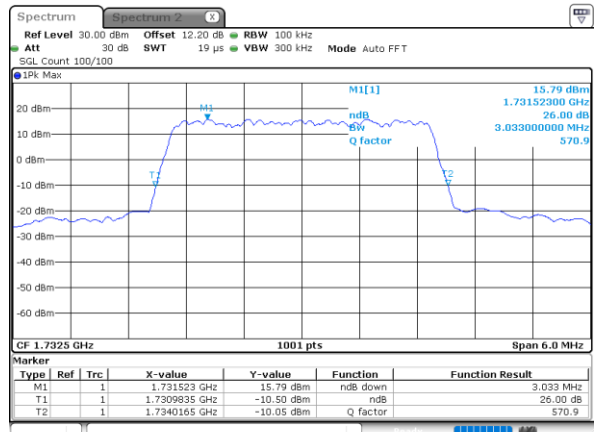
Date: 28.FEB.2022 21:55:07

Middle Channel / 3MHz / QPSK



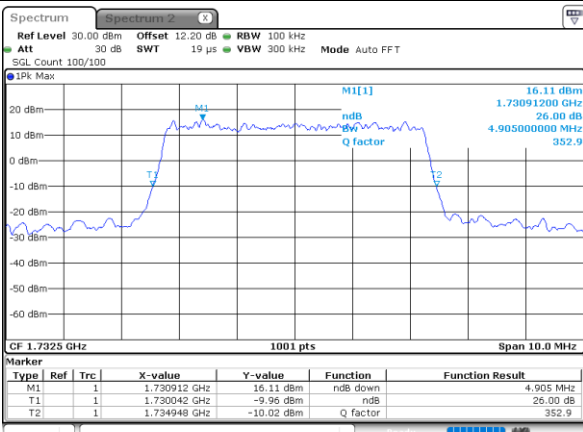
Date: 28.FEB.2022 22:10:42

Middle Channel / 3MHz / 16QAM



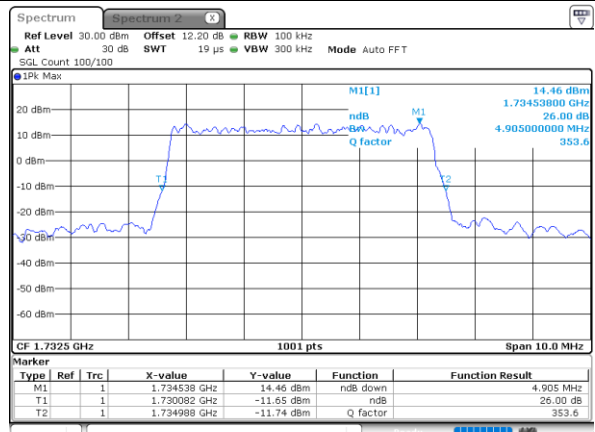
Date: 28.FEB.2022 22:11:05

Middle Channel / 5MHz / QPSK



Date: 28.FEB.2022 22:31:00

Middle Channel / 5MHz / 16QAM



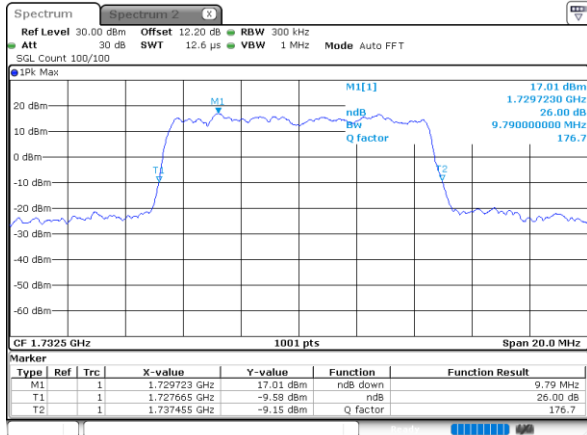
Date: 28.FEB.2022 22:31:24





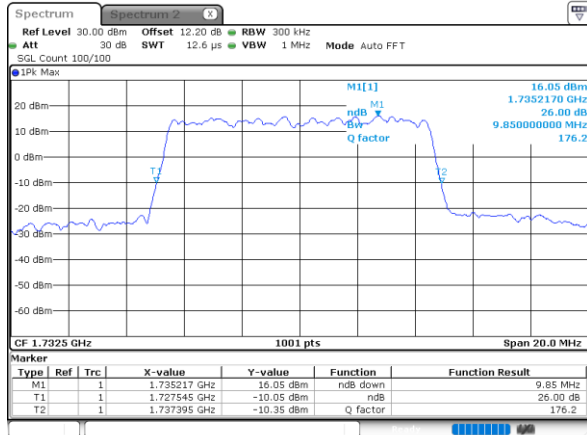
LTE Band 4

Middle Channel / 10MHz / QPSK



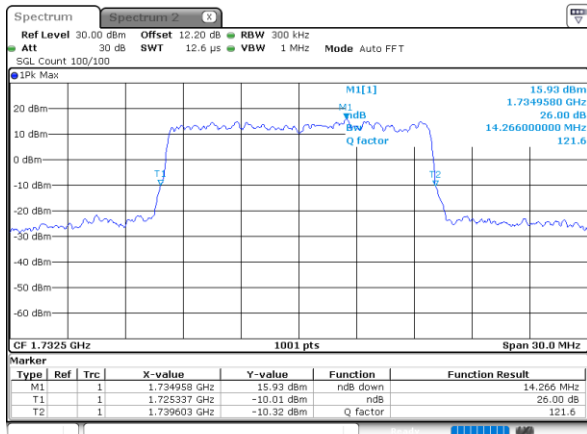
Date: 28.FEB.2022 22:42:36

Middle Channel / 10MHz / 16QAM



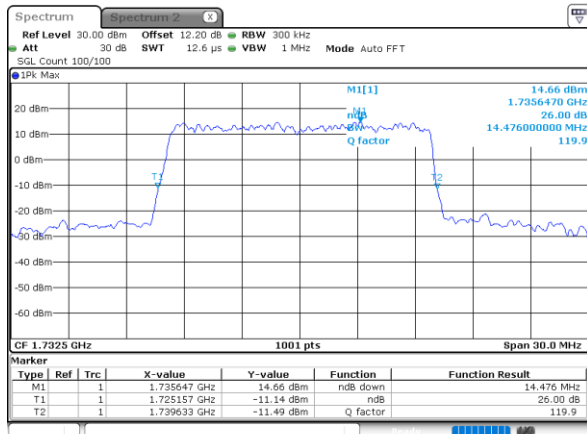
Date: 28.FEB.2022 22:43:00

Middle Channel / 15MHz / QPSK



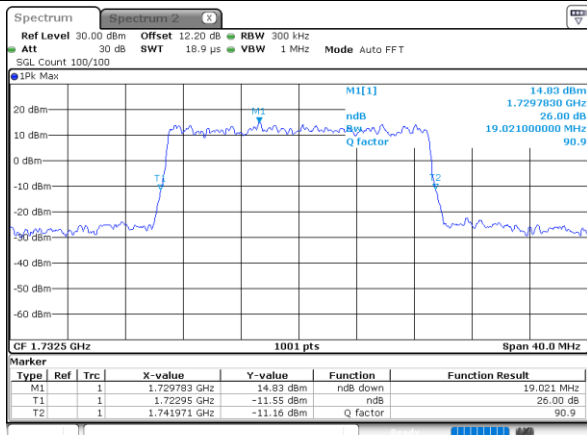
Date: 28.FEB.2022 22:58:05

Middle Channel / 15MHz / 16QAM



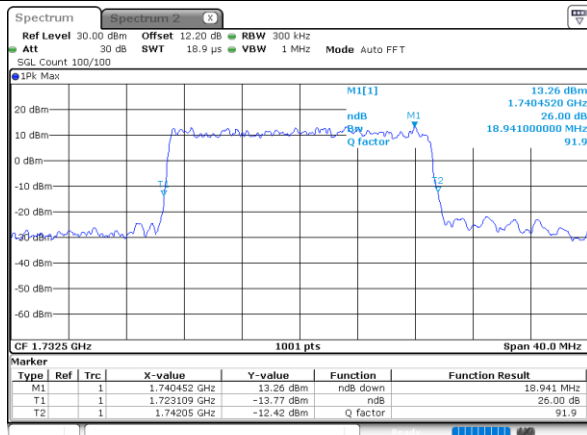
Date: 28.FEB.2022 22:58:59

Middle Channel / 20MHz / QPSK



Date: 28.FEB.2022 23:14:34

Middle Channel / 20MHz / 16QAM

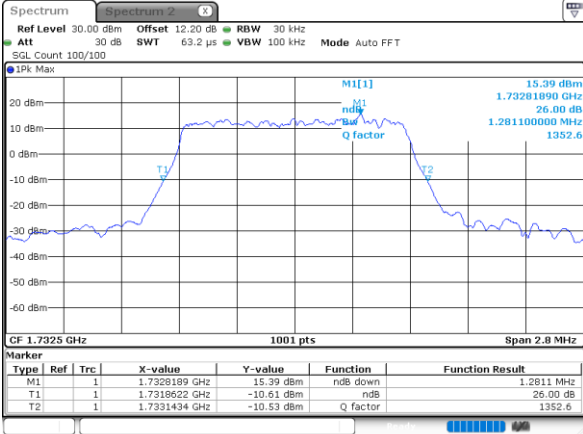


Date: 28.FEB.2022 23:14:57



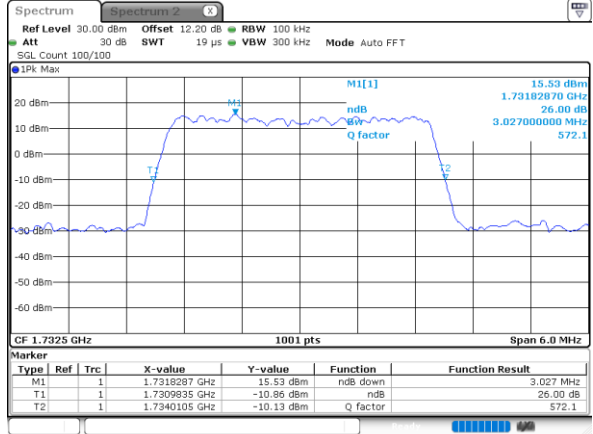
LTE Band 4

Middle Channel / 1.4MHz / 64QAM



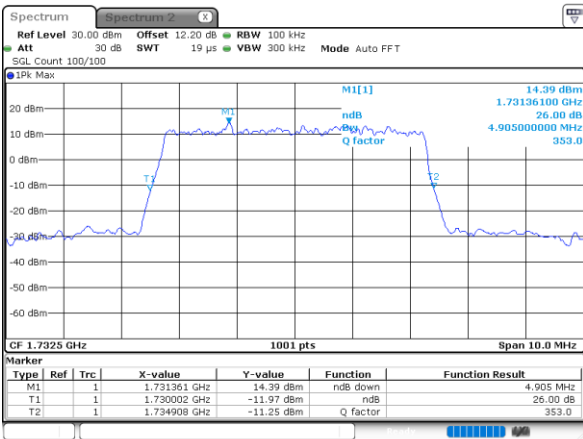
Date: 28.FEB.2022 22:03:11

Middle Channel / 3MHz / 64QAM



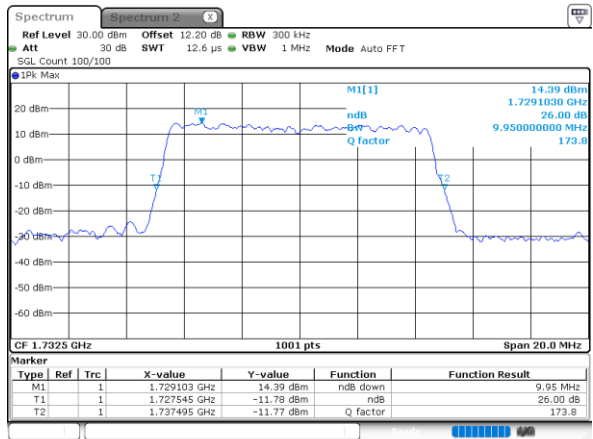
Date: 28.FEB.2022 22:19:09

Middle Channel / 5MHz / 64QAM



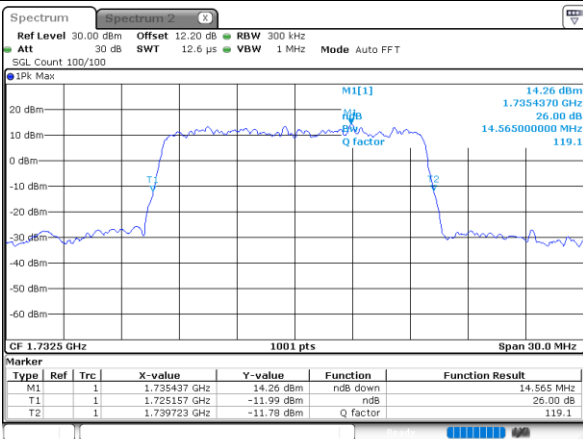
Date: 28.FEB.2022 22:23:00

Middle Channel / 10MHz / 64QAM



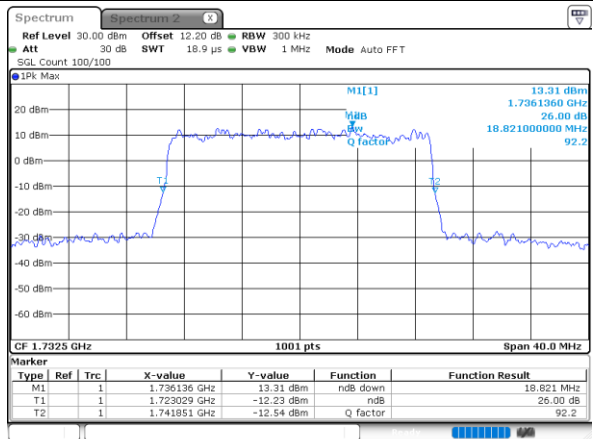
Date: 28.FEB.2022 22:25:04

Middle Channel / 15MHz / 64QAM



Date: 28.FEB.2022 23:07:02

Middle Channel / 20MHz / 64QAM



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



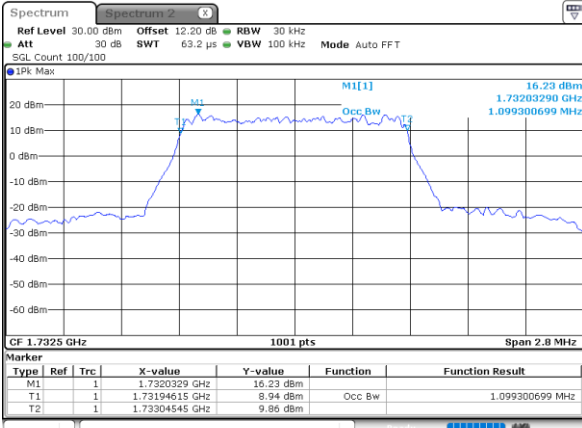
**Occupied Bandwidth**

Mode	LTE Band 4 : 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	2.73	4.48	4.49	9.01	9.01	13.46	13.40	17.94	17.94
Mode	LTE Band 4 : 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	1.09	-	2.73	-	4.47	-	9.05	-	13.46	-	17.94	-



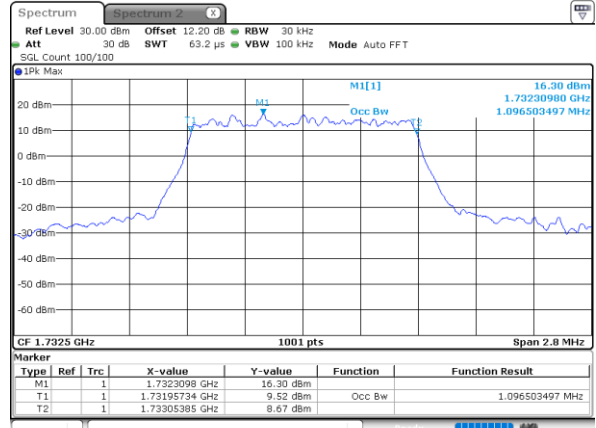
LTE Band 4

Middle Channel / 1.4MHz / QPSK



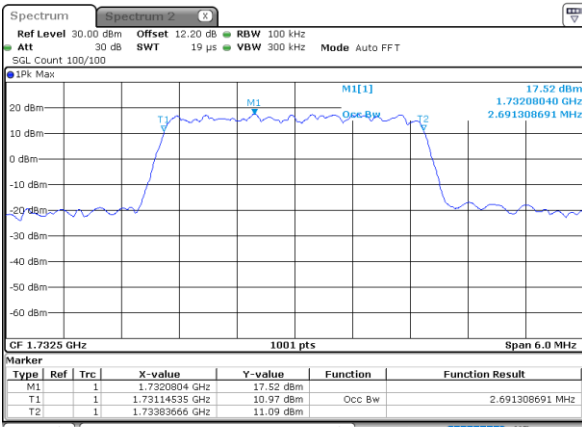
Date: 28.FEB.2022 21:53:56

Middle Channel / 1.4MHz / 16QAM



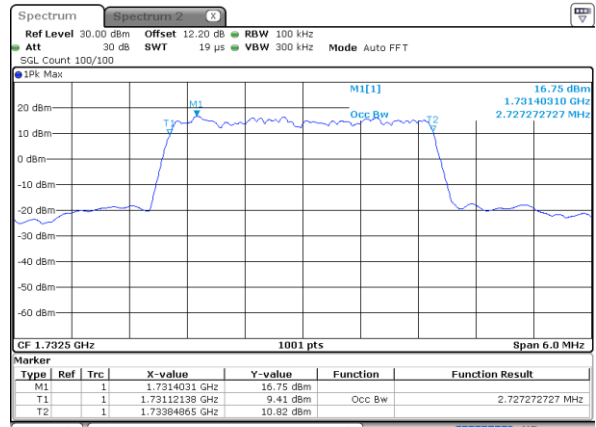
Date: 28.FEB.2022 21:54:20

Middle Channel / 3MHz / QPSK



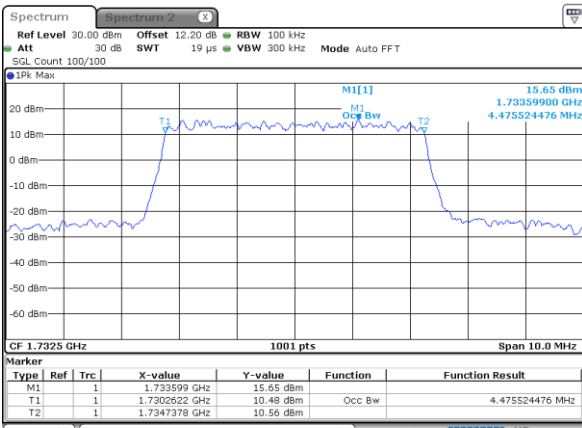
Date: 28.FEB.2022 22:09:54

Middle Channel / 3MHz / 16QAM



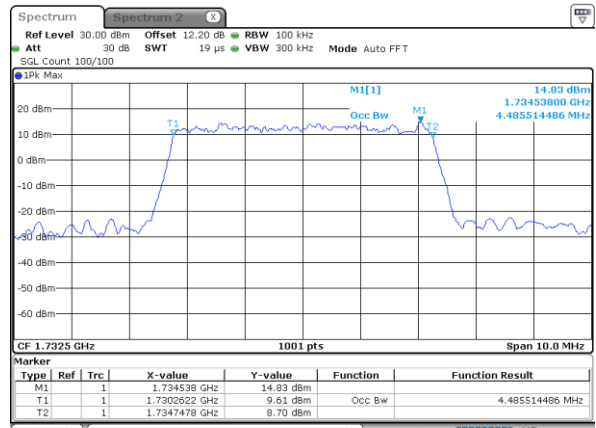
Date: 28.FEB.2022 22:10:18

Middle Channel / 5MHz / QPSK



Date: 28.FEB.2022 22:30:13

Middle Channel / 5MHz / 16QAM

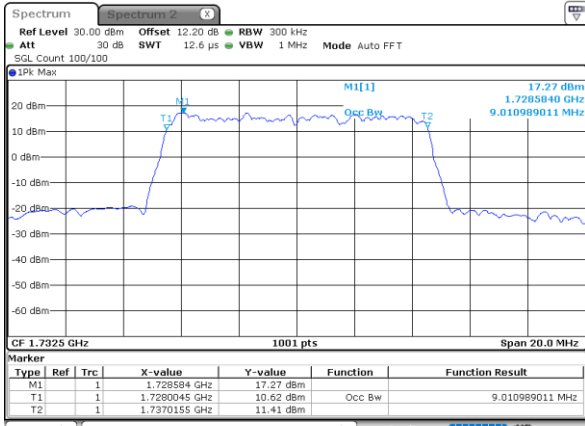


Date: 28.FEB.2022 22:30:36



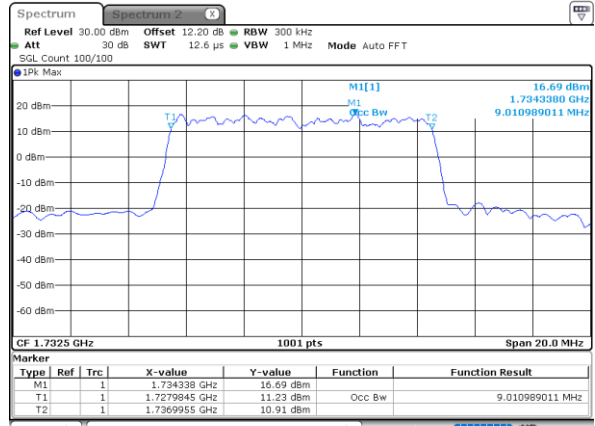
LTE Band 4

Middle Channel / 10MHz / QPSK



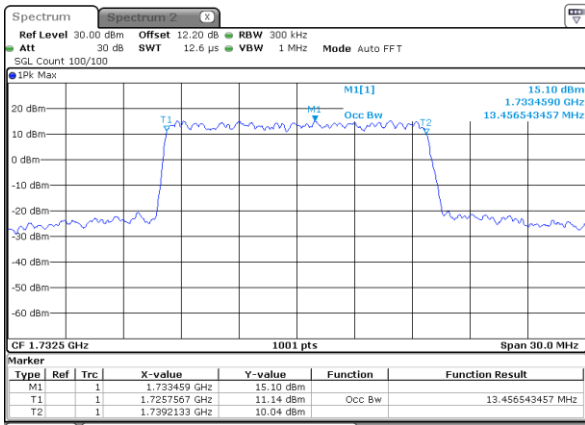
Date: 28.FEB.2022 22:41:49

Middle Channel / 10MHz / 16QAM



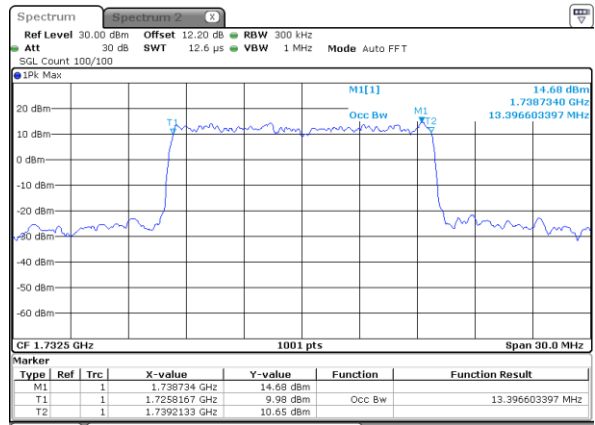
Date: 28.FEB.2022 22:42:13

Middle Channel / 15MHz / QPSK



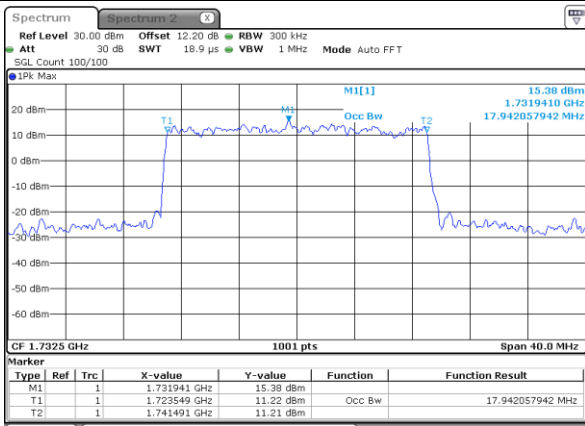
Date: 28.FEB.2022 22:57:48

Middle Channel / 15MHz / 16QAM



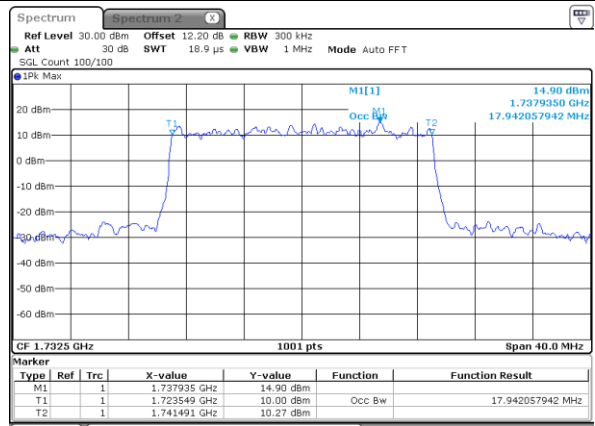
Date: 28.FEB.2022 22:58:12

Middle Channel / 20MHz / QPSK



Date: 28.FEB.2022 23:13:47

Middle Channel / 20MHz / 16QAM

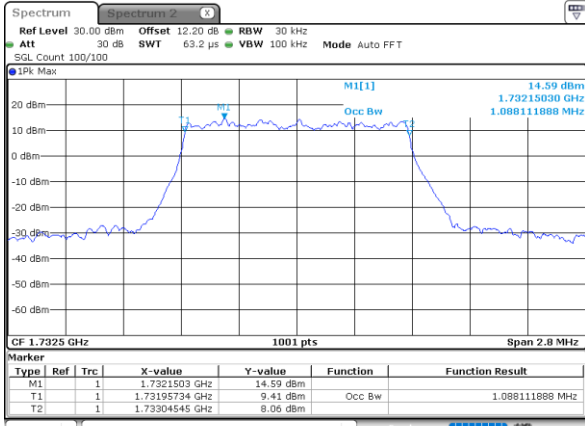


Date: 28.FEB.2022 23:14:10

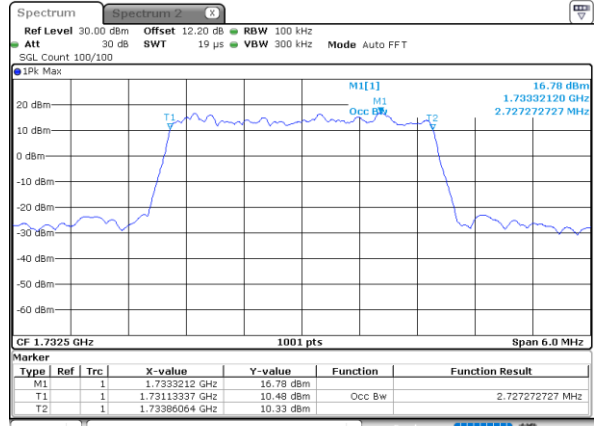


LTE Band 4

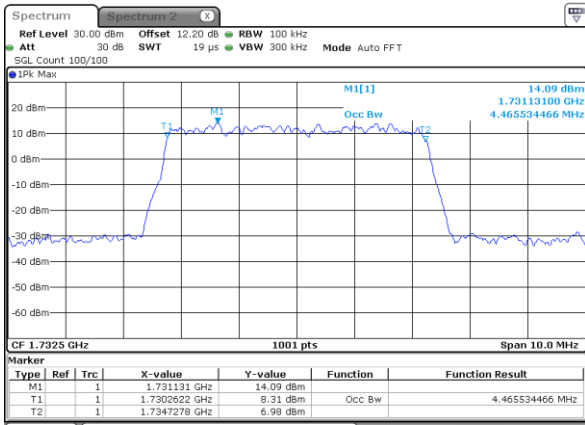
Middle Channel / 1.4MHz / 64QAM



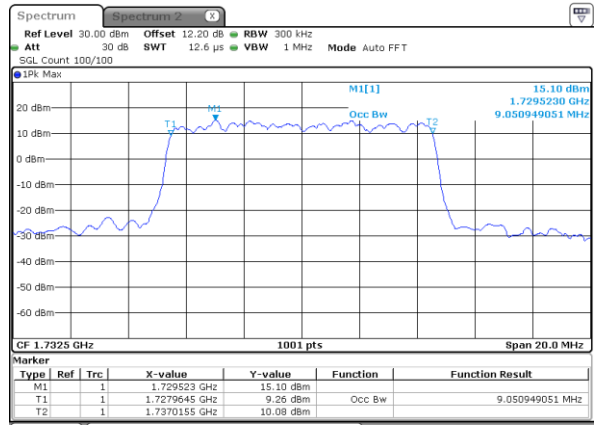
Middle Channel / 3MHz / 64QAM



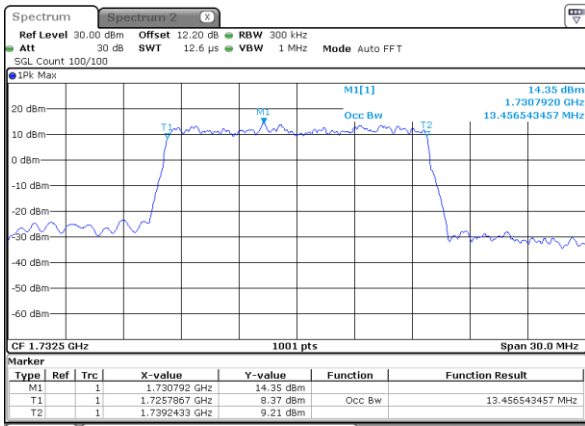
Middle Channel / 5MHz / 64QAM



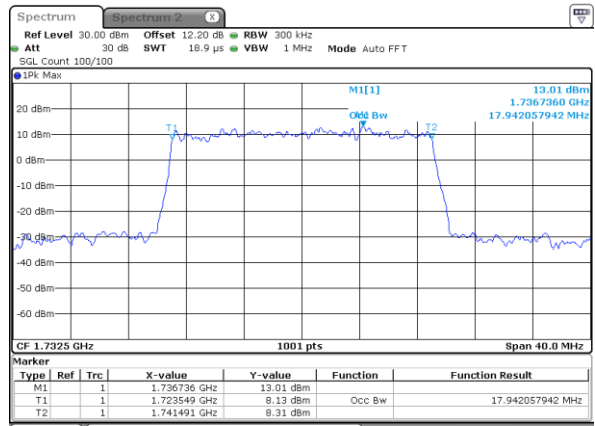
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

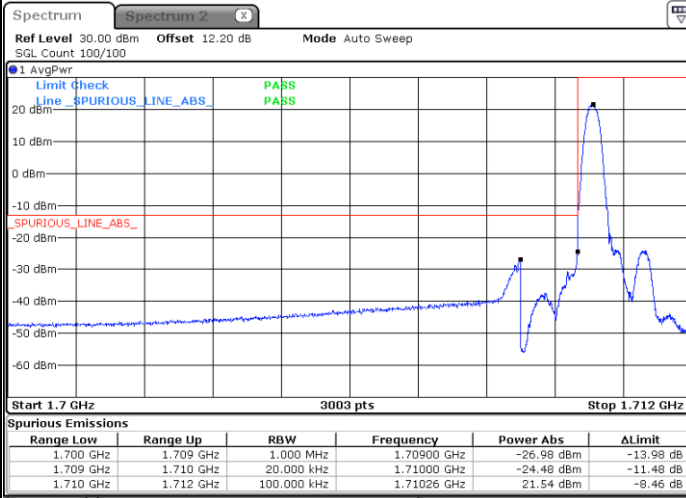




# Conducted Band Edge

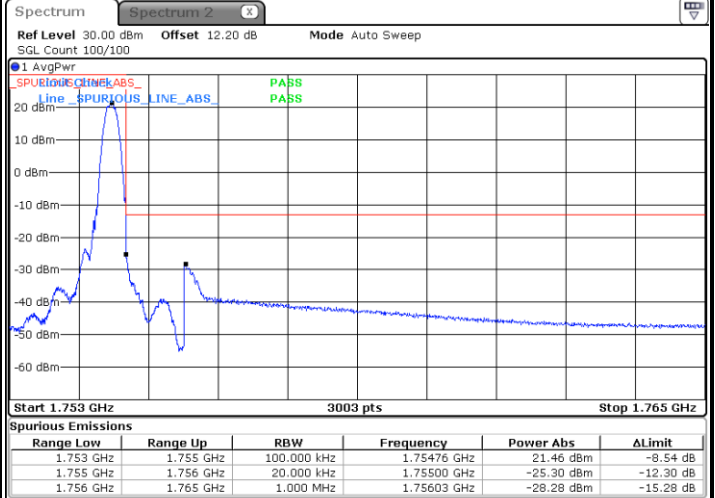
## LTE Band 4 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB



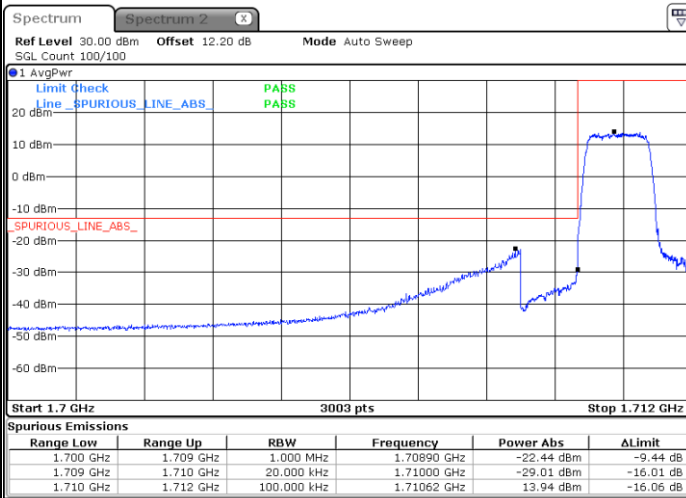
Date: 28.FEB.2022 21:49:53

### Highest Band Edge / 1RB



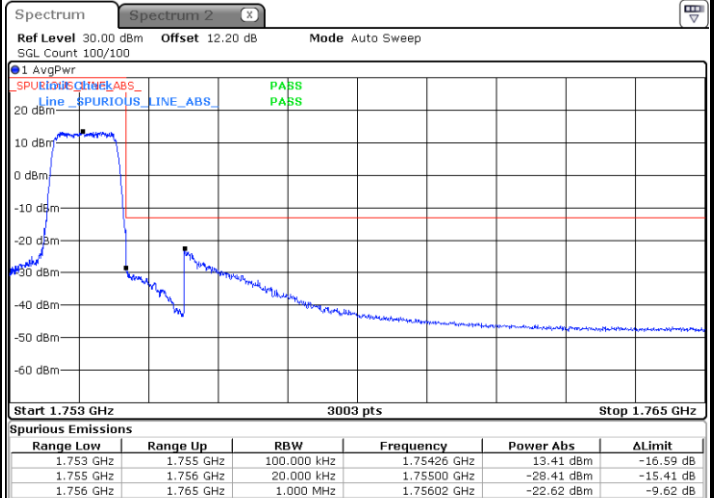
Date: 28.FEB.2022 21:56:58

### Lowest Band Edge / Full RB



Date: 28.FEB.2022 21:51:40

### Highest Band Edge / Full RB

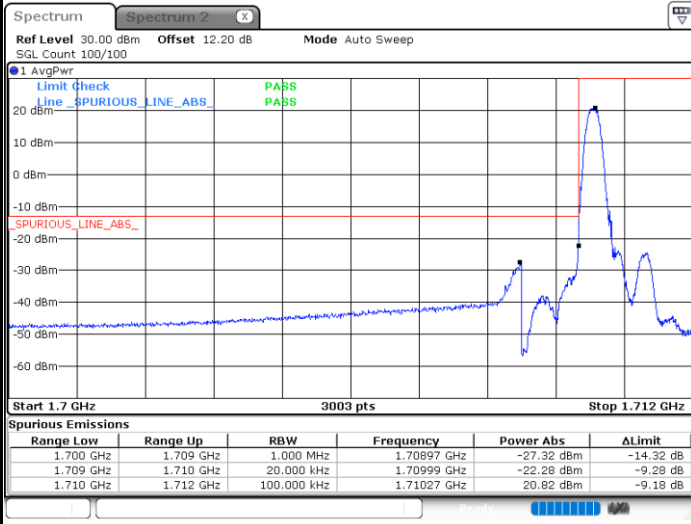


Date: 28.FEB.2022 21:58:44



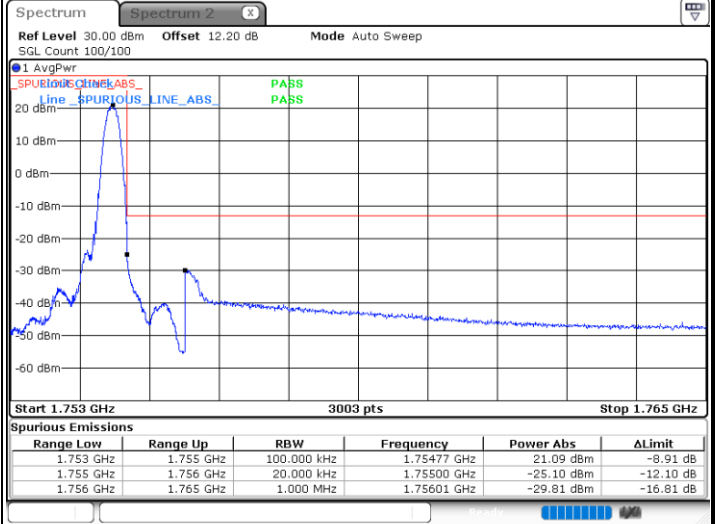
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



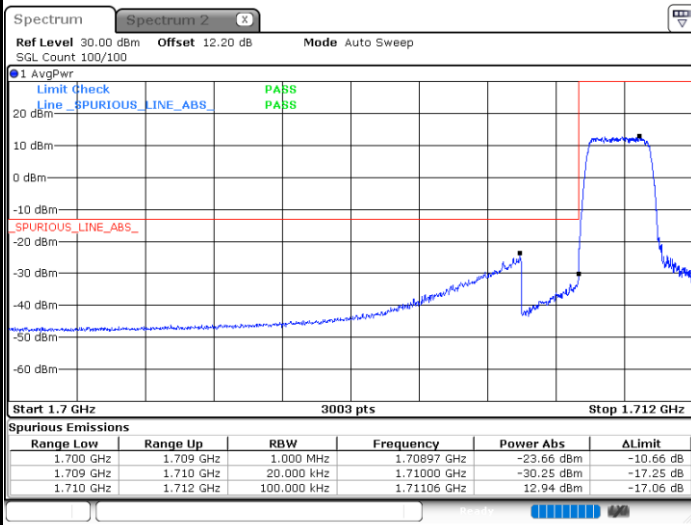
Date: 28.FEB.2022 21:50:46

Highest Band Edge / 1 RB



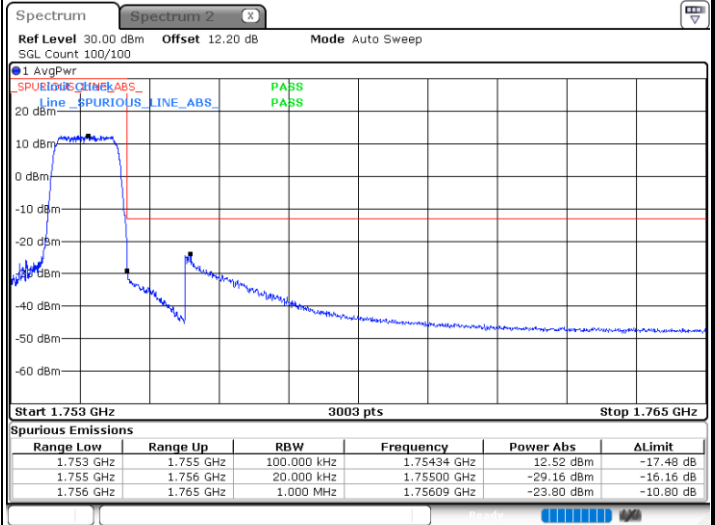
Date: 28.FEB.2022 21:57:51

Lowest Band Edge / Full RB



Date: 28.FEB.2022 21:52:34

Highest Band Edge / Full RB



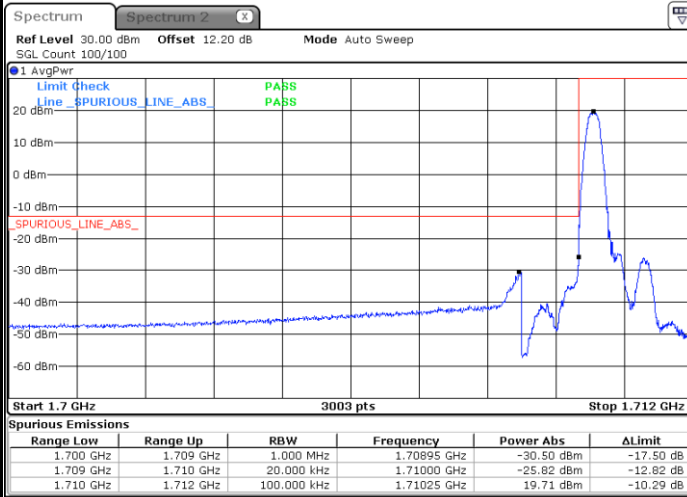
Date: 28.FEB.2022 21:59:38





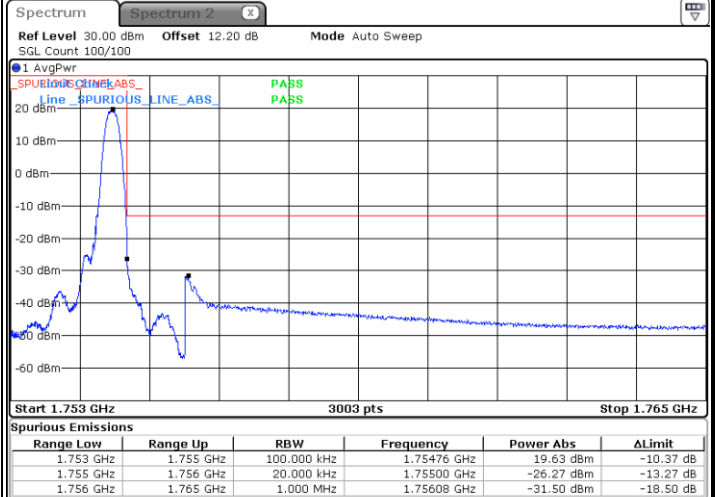
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



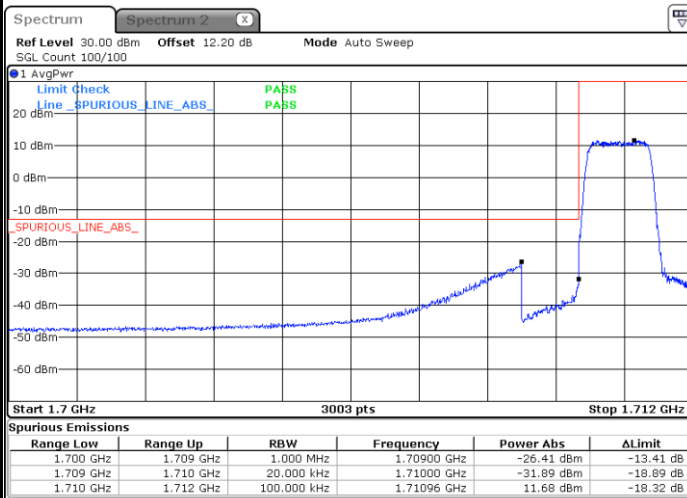
Date: 28.FEB.2022 22:01:30

Highest Band Edge / 1 RB



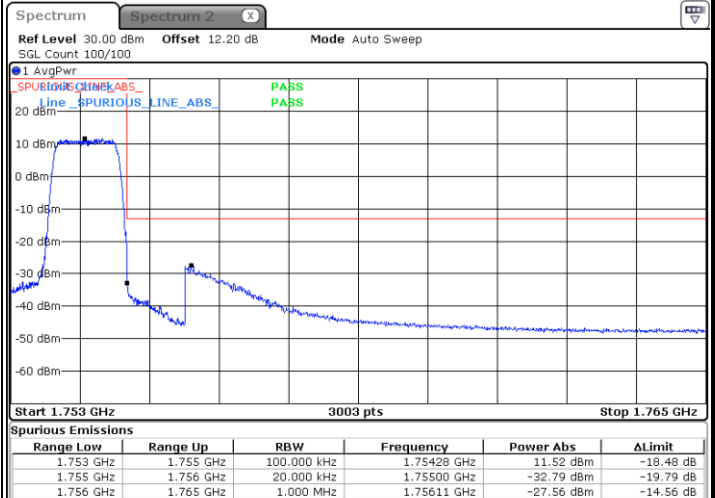
Date: 28.FEB.2022 22:04:04

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:02:23

Highest Band Edge / Full RB

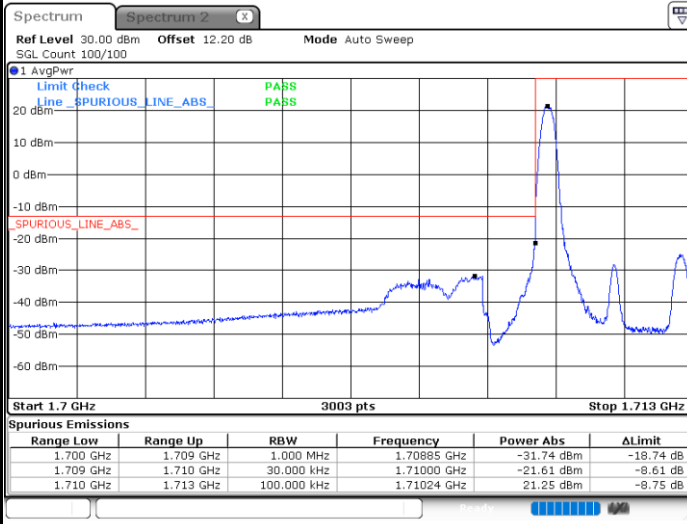


Date: 28.FEB.2022 22:04:58



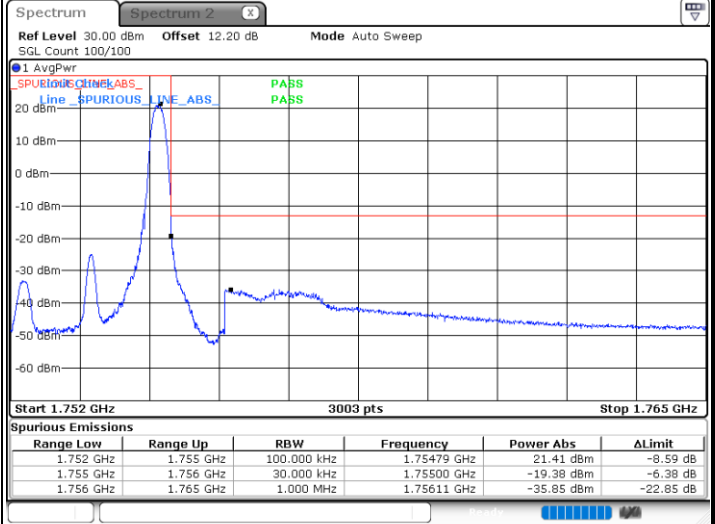
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



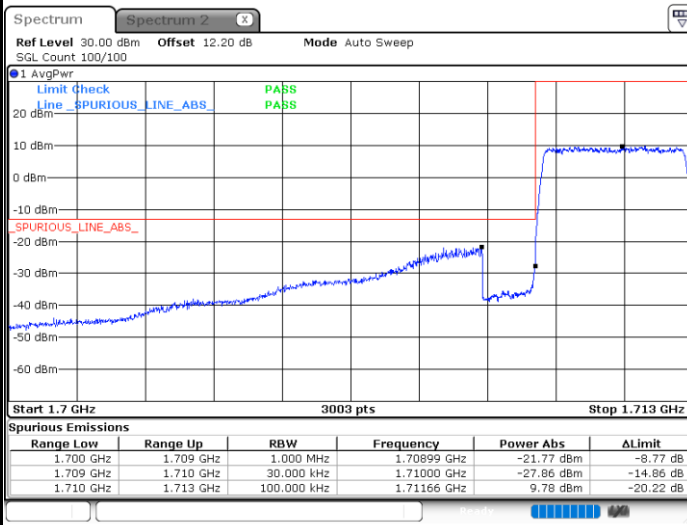
Date: 28.FEB.2022 22:05:52

Highest Band Edge / 1 RB



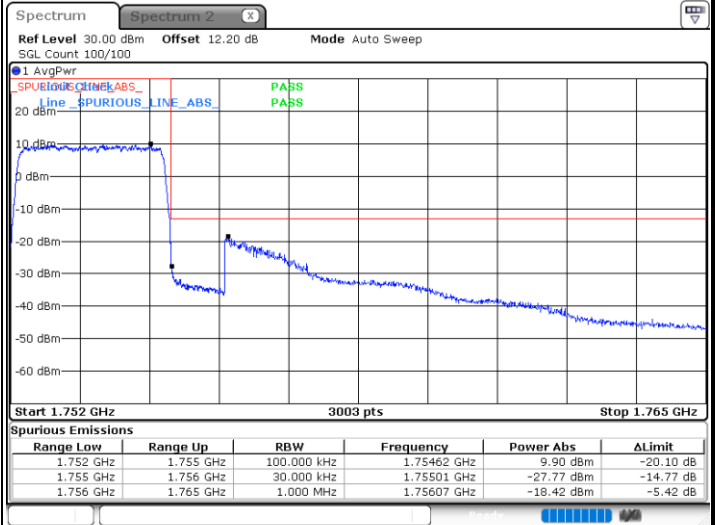
Date: 28.FEB.2022 22:12:56

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:07:39

Highest Band Edge / Full RB

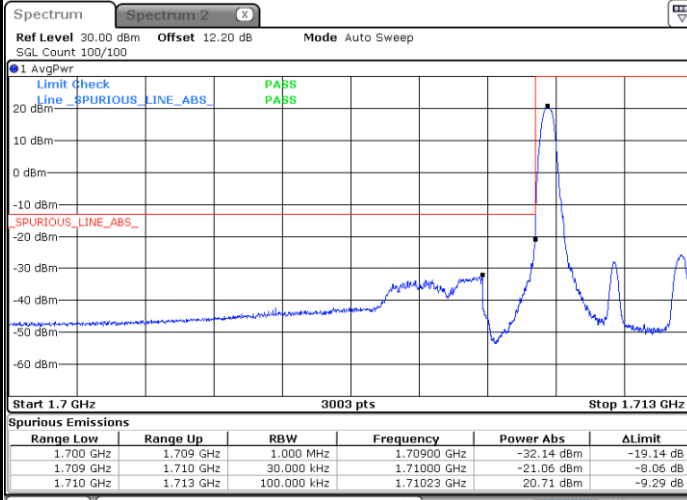


Date: 28.FEB.2022 22:14:43



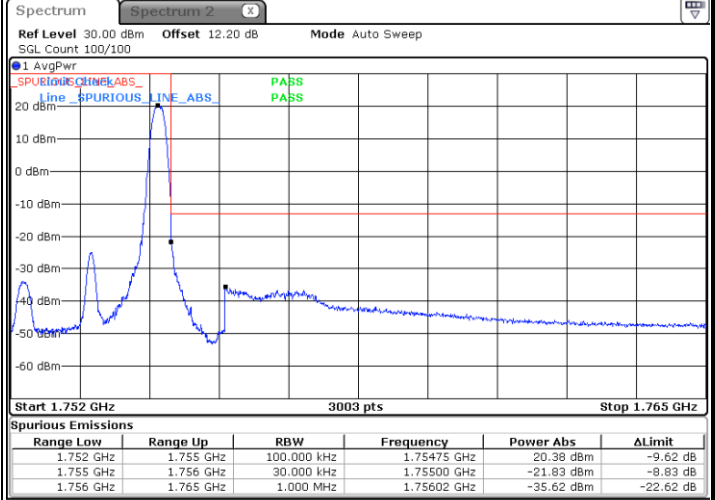
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



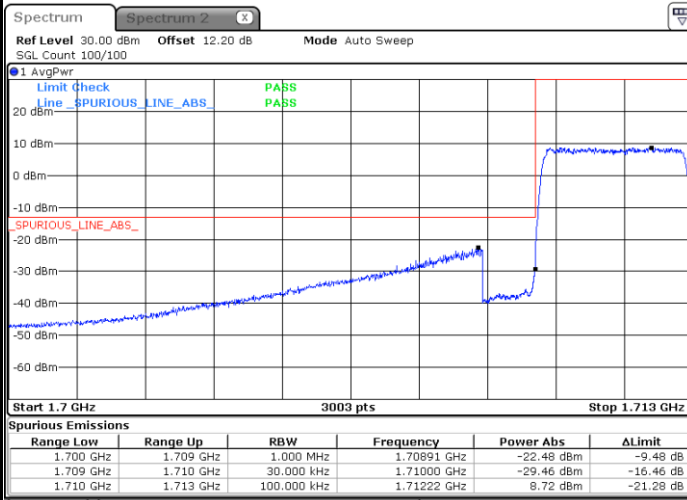
Date: 28.FEB.2022 22:06:45

Highest Band Edge / 1 RB



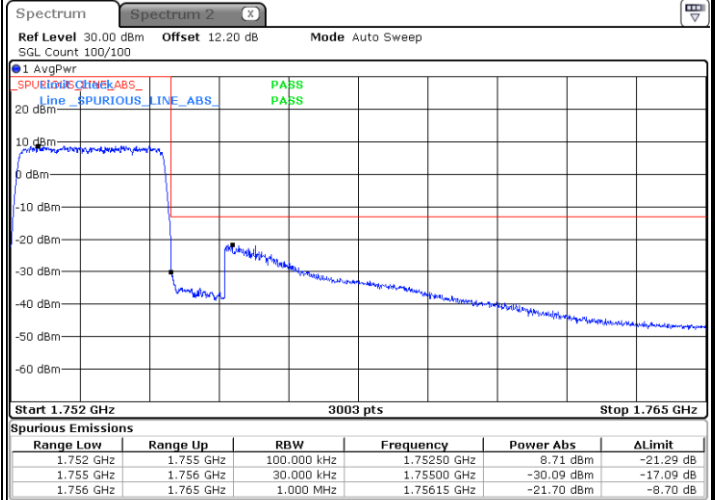
Date: 28.FEB.2022 22:13:49

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:08:32

Highest Band Edge / Full RB

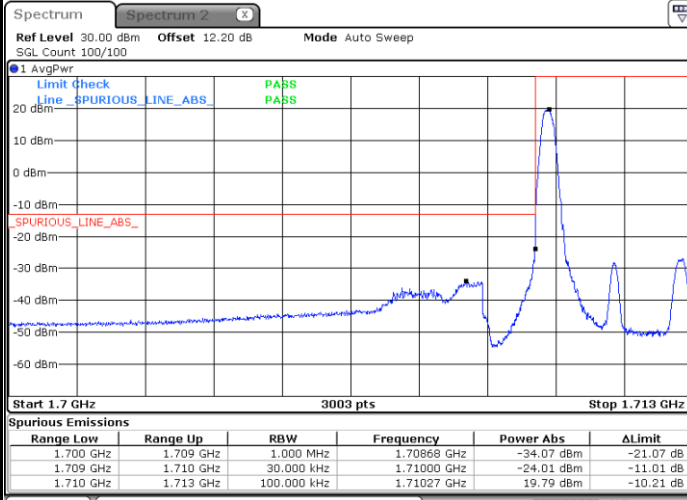


Date: 28.FEB.2022 22:15:36



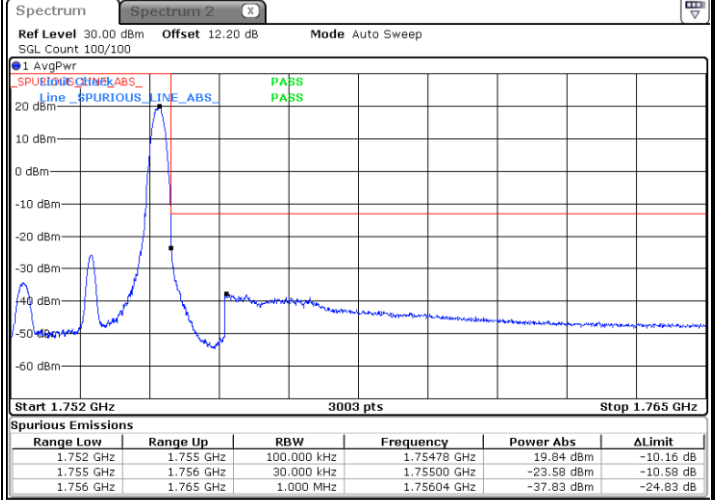
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



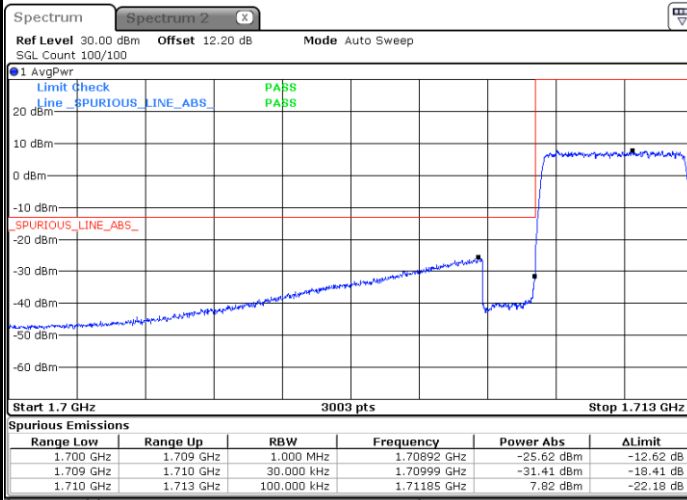
Date: 28.FEB.2022 22:17:28

Highest Band Edge / 1 RB



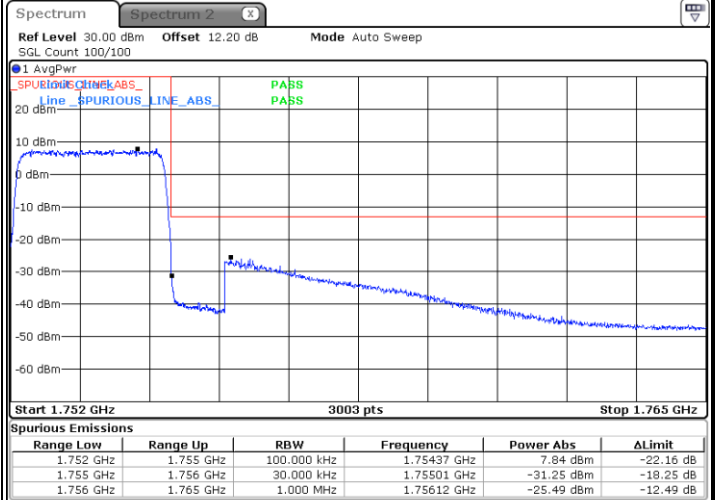
Date: 28.FEB.2022 22:20:02

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:18:21

Highest Band Edge / Full RB

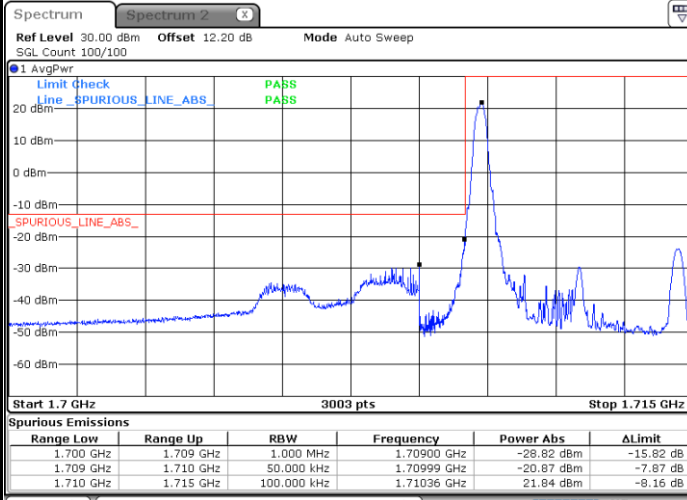


Date: 28.FEB.2022 22:20:55



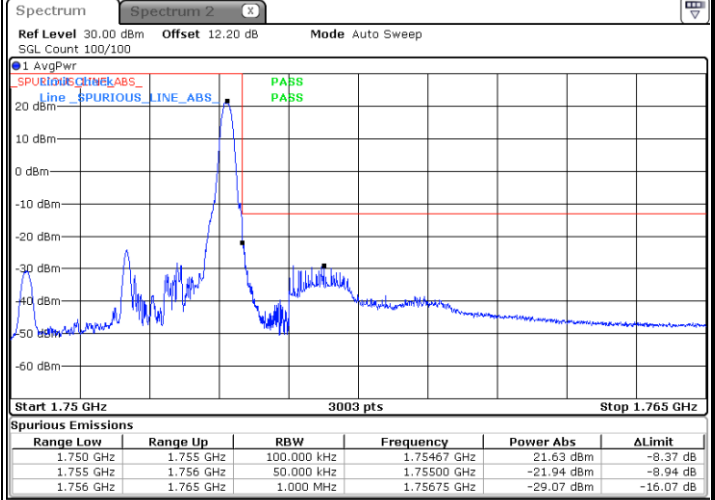
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



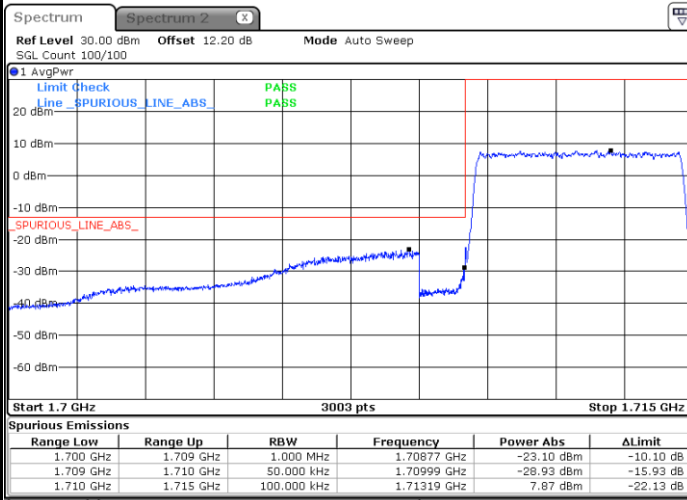
Date: 28.FEB.2022 22:26:10

Highest Band Edge / 1 RB



Date: 28.FEB.2022 22:33:14

Lowest Band Edge / Full RB



Date: 28.FEB.2022 22:27:57

Highest Band Edge / Full RB

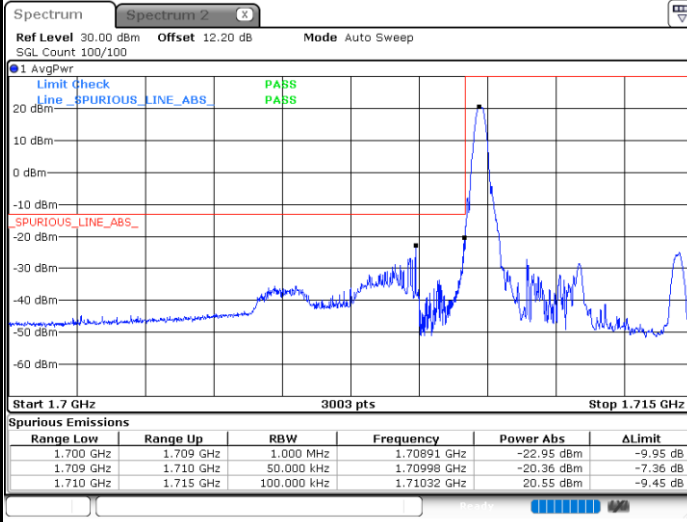


Date: 28.FEB.2022 22:35:01



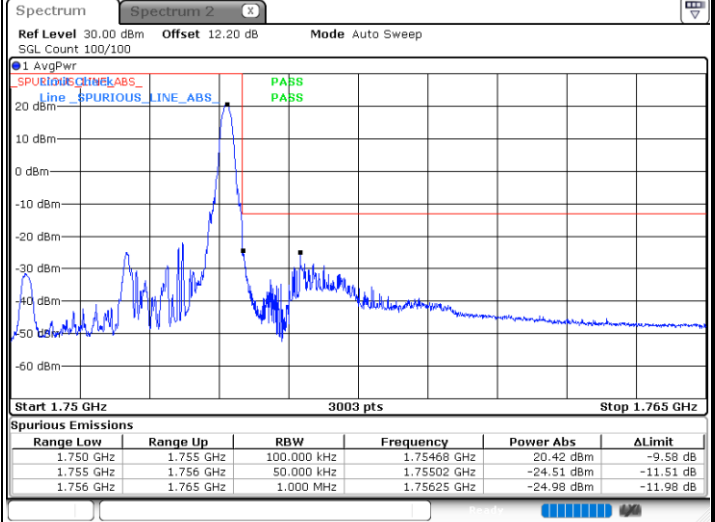
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



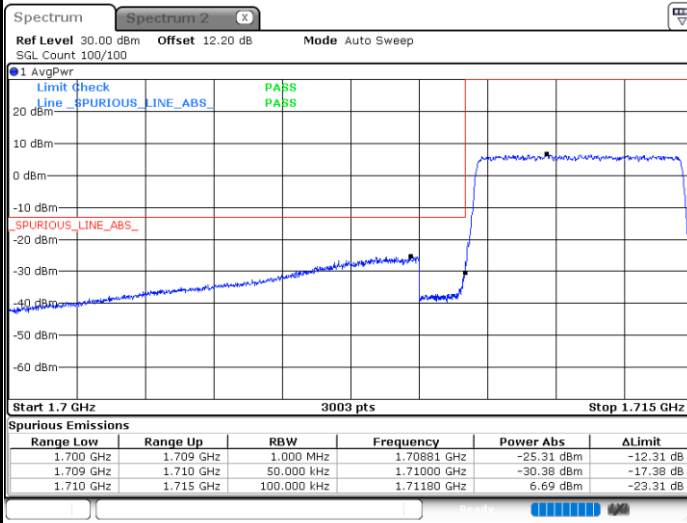
Date: 28.FEB.2022 22:27:03

Highest Band Edge / 1 RB



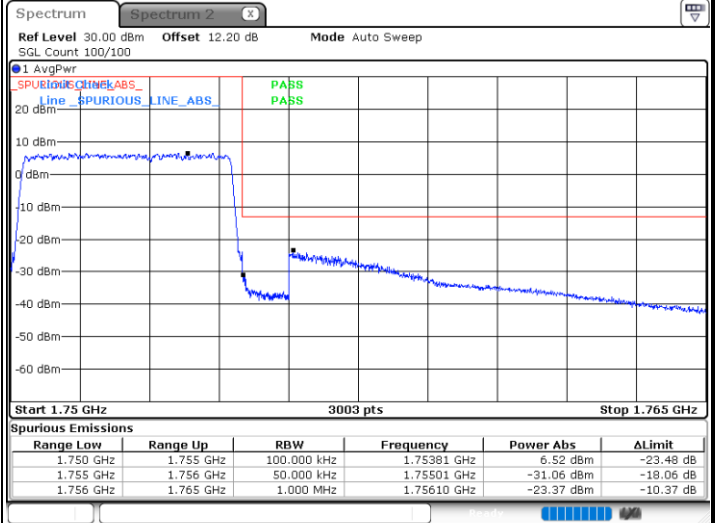
Date: 28.FEB.2022 22:34:07

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB



Date: 28.FEB.2022 22:35:54