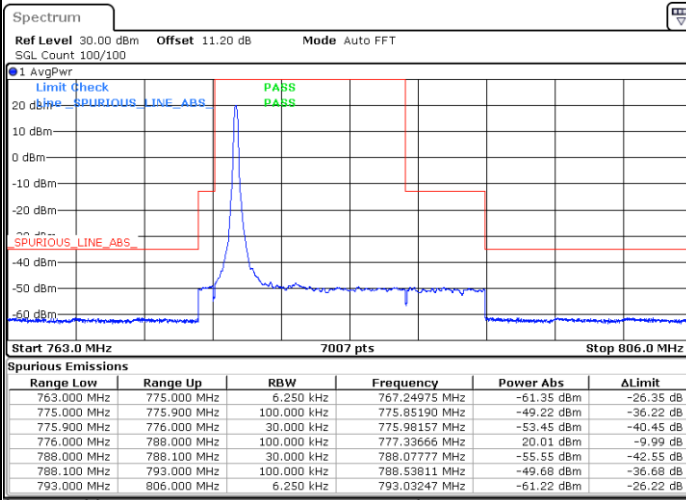




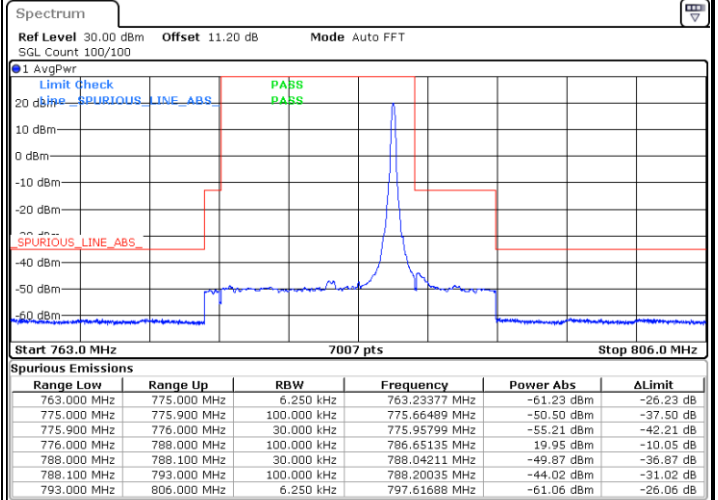
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



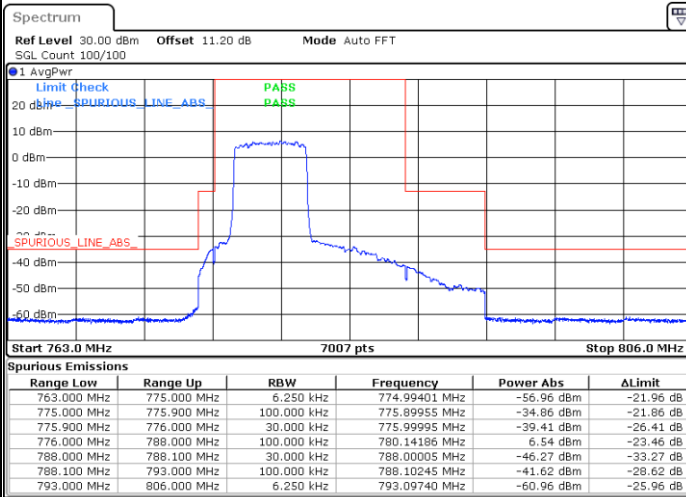
Date: 22 DEC 2020 13:00:02



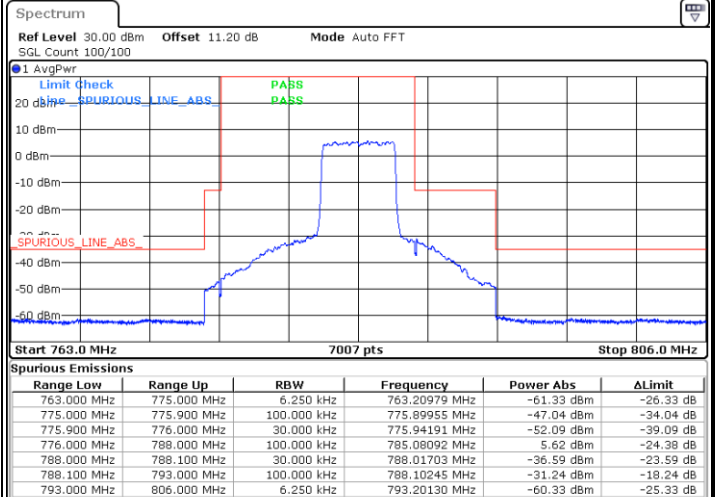
Date: 22 DEC 2020 13:09:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 DEC 2020 12:58:20



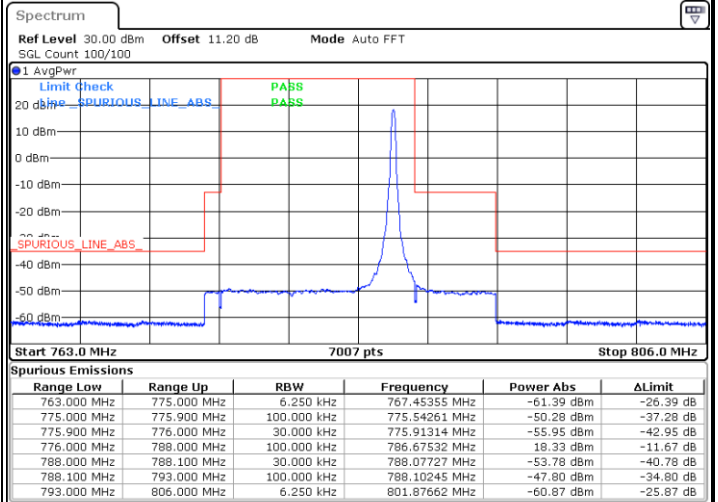
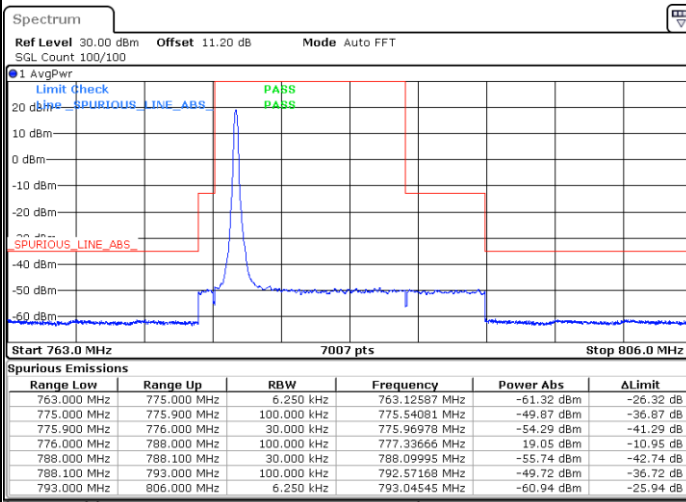
Date: 22 DEC 2020 13:07:25



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

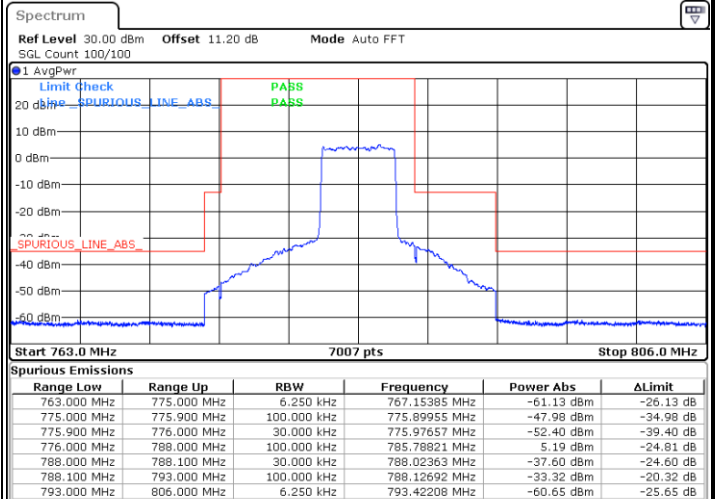
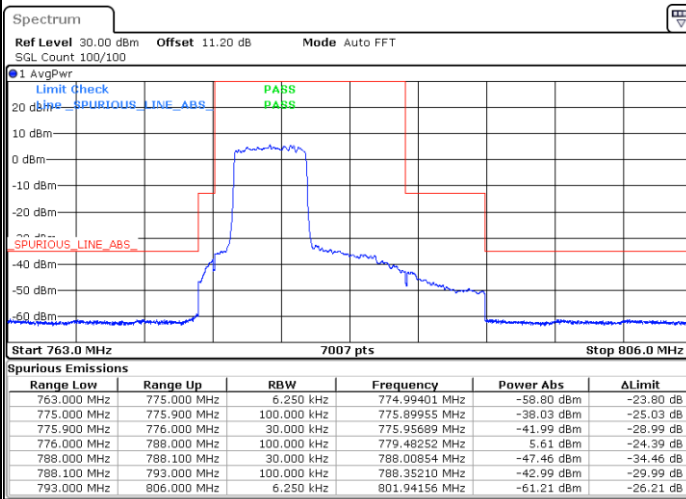


Date: 22 DEC 2020 13:14:56

Date: 22 DEC 2020 13:18:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 DEC 2020 13:13:14

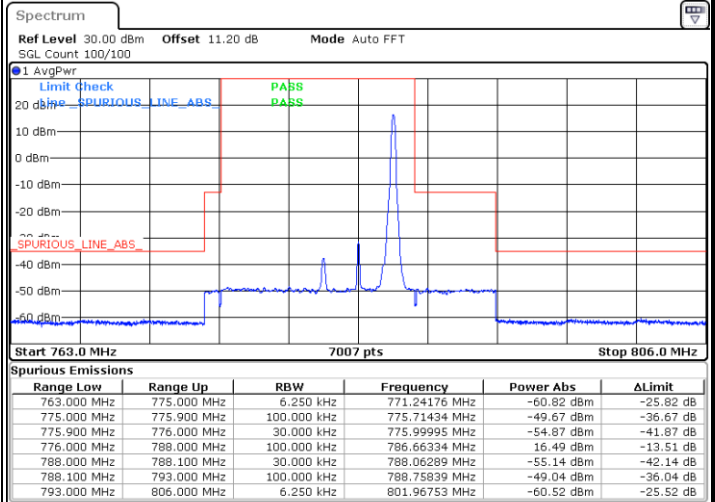
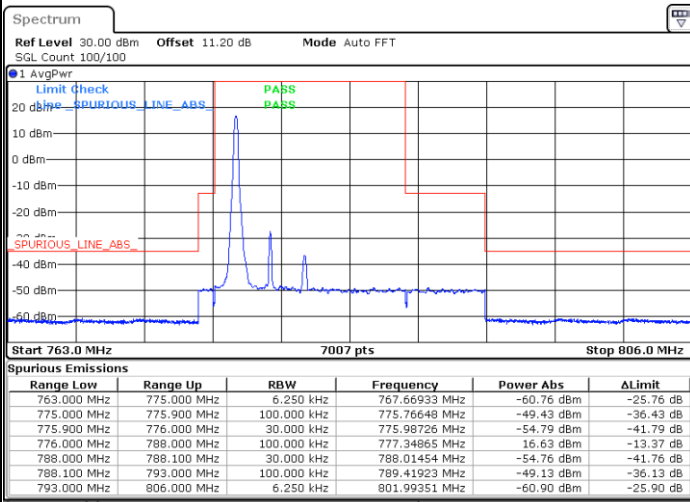
Date: 22 DEC 2020 13:17:04



LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

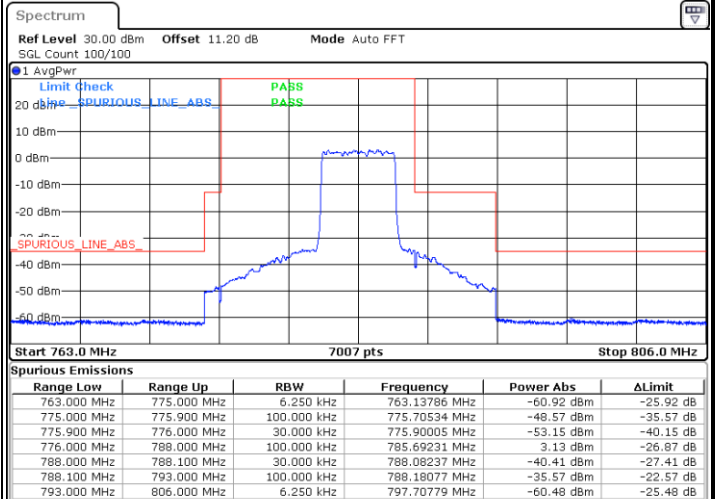
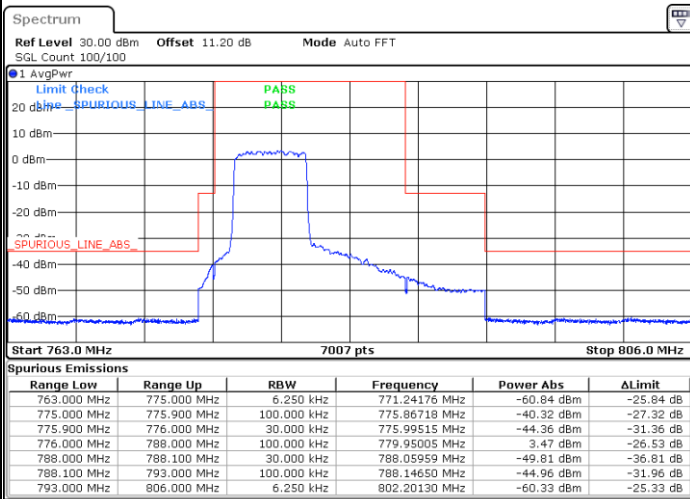


Date: 24 DEC 2020 15:03:39

Date: 24 DEC 2020 15:08:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



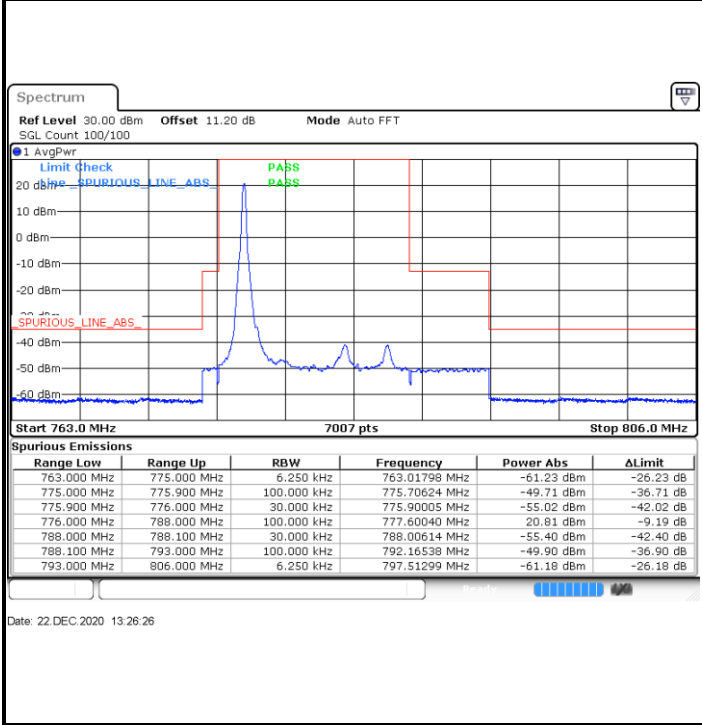
Date: 24 DEC 2020 15:33:17

Date: 24 DEC 2020 15:07:05

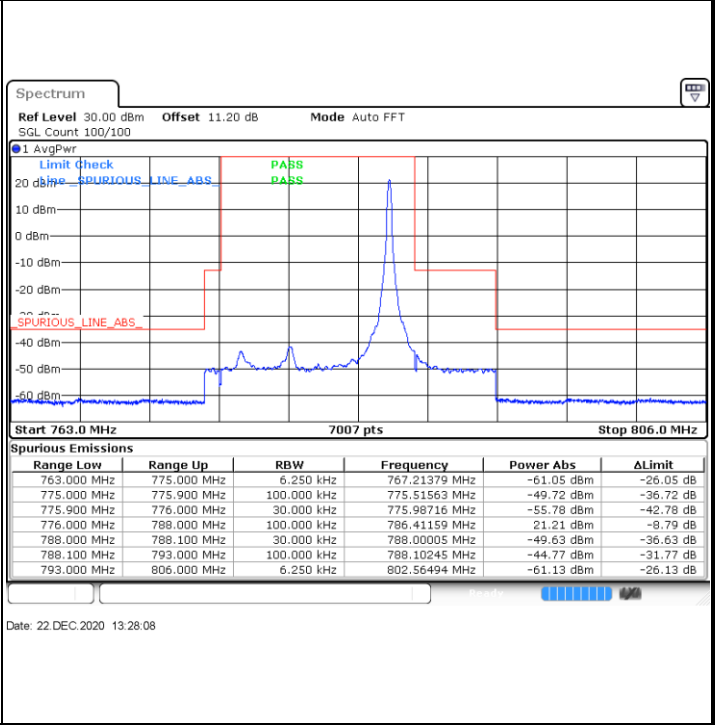


**LTE Band 13 / 10MHz / QPSK**

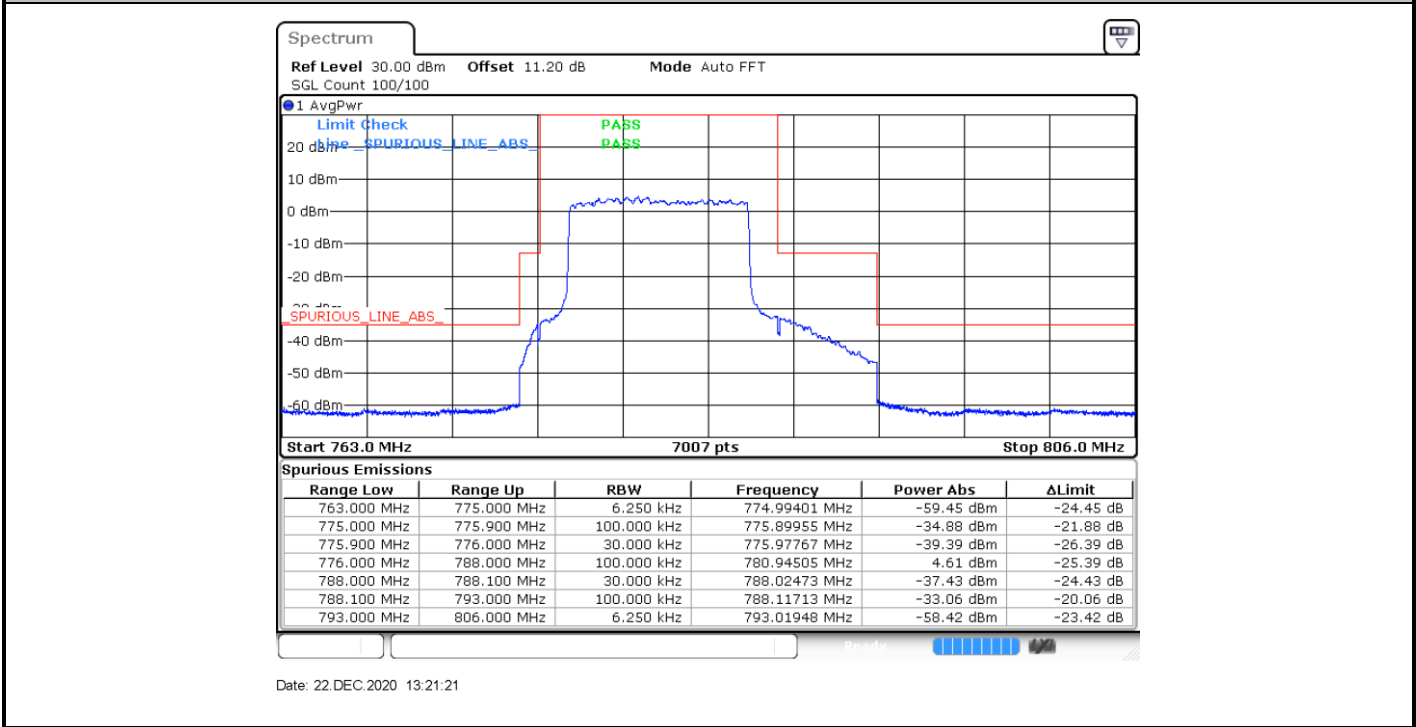
**Lowest Band Edge / 1 RB**



**Highest Band Edge / 1 RB**



**Band Edge / Full RB**

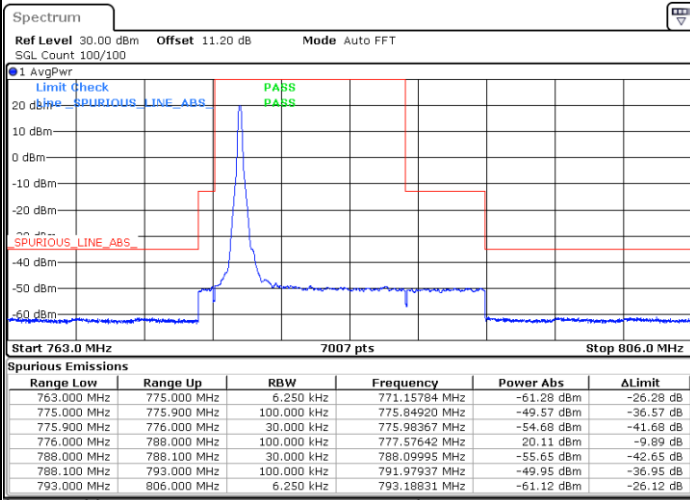




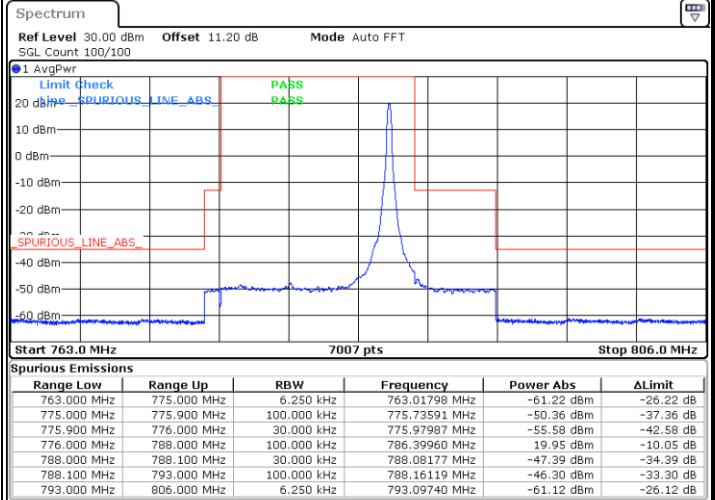
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

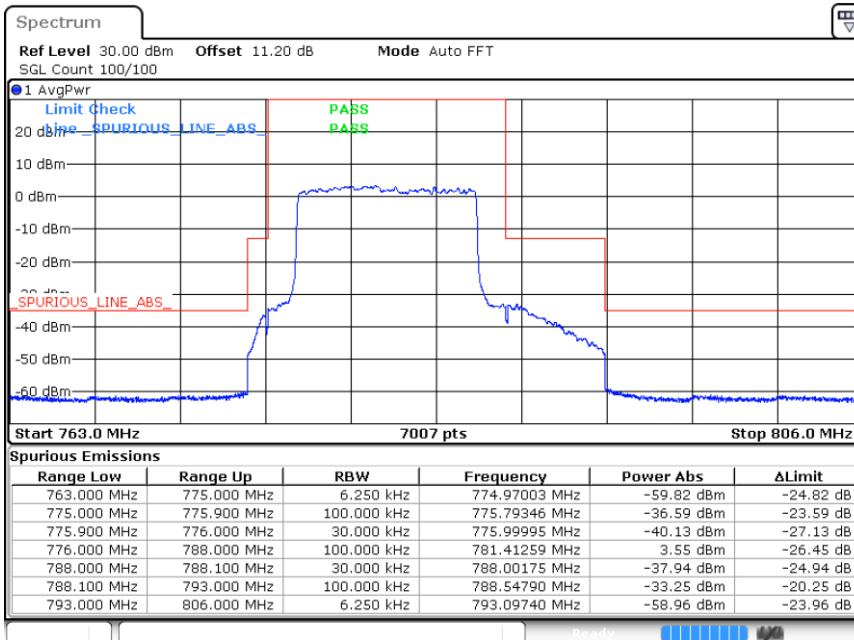


Date: 22 DEC 2020 13:24:44



Date: 22 DEC 2020 13:29:49

Band Edge / Full RB



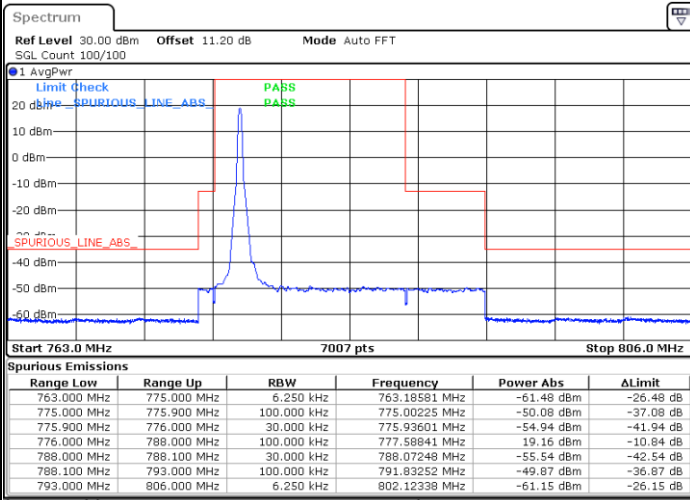
Date: 22 DEC 2020 13:23:03



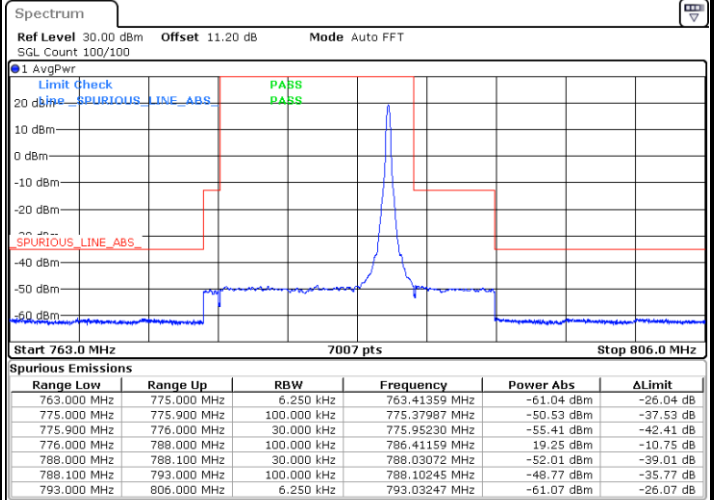
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

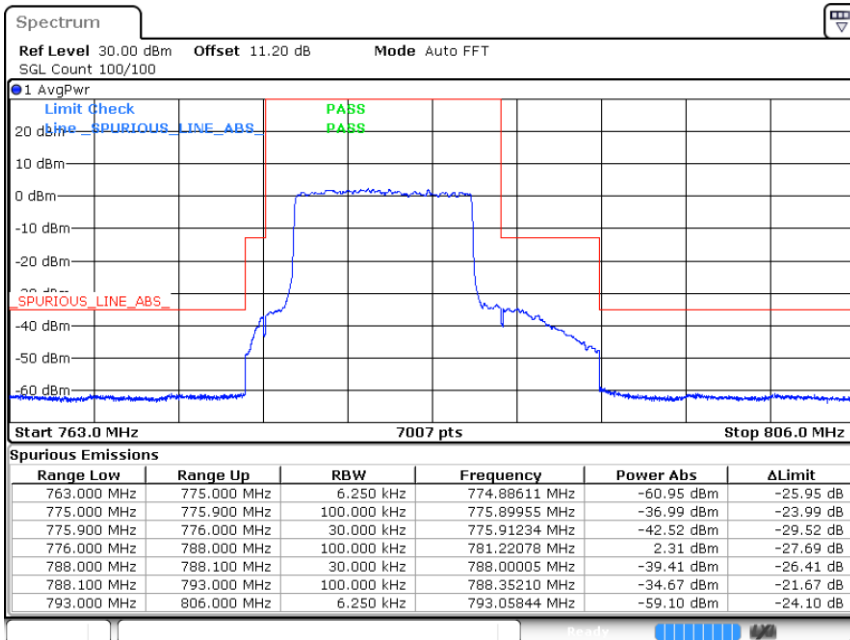


Date: 22 DEC 2020 13:34:21



Date: 22 DEC 2020 13:36:02

Band Edge / Full RB



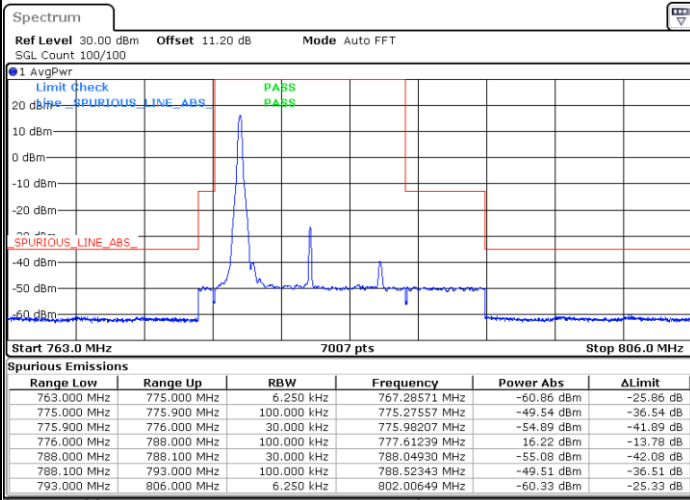
Date: 22 DEC 2020 13:32:39



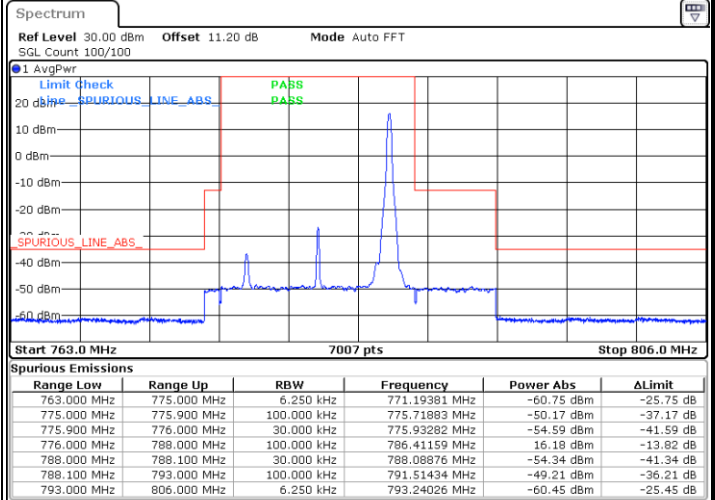
LTE Band 13 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

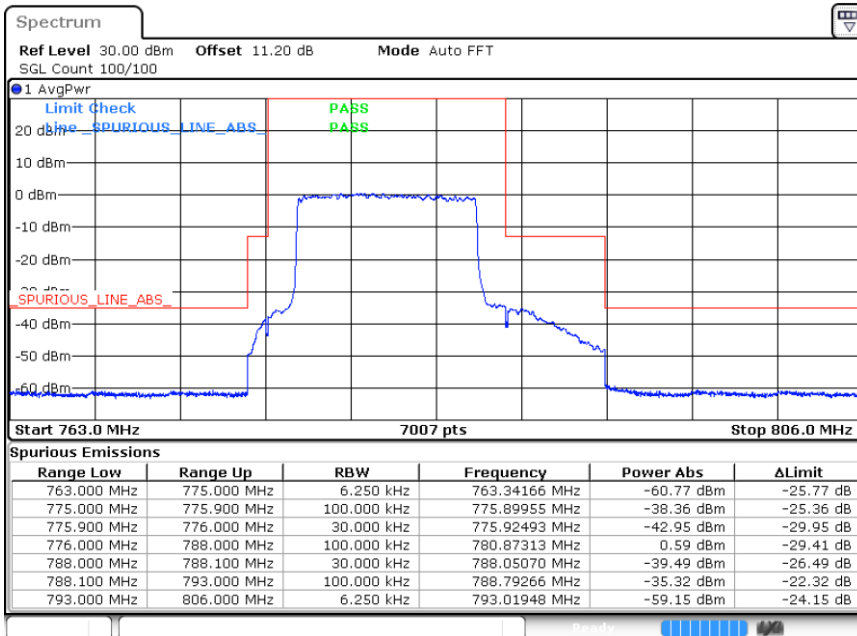


Date: 24.DEC.2020 15:13:24



Date: 24.DEC.2020 15:15:13

Band Edge / Full RB



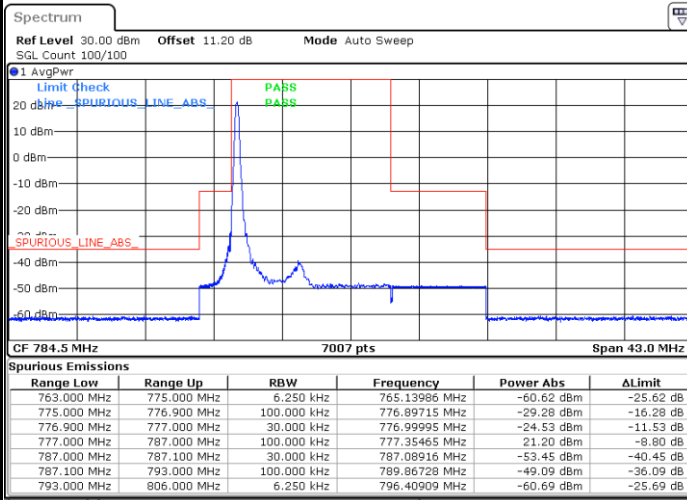
Date: 24.DEC.2020 15:11:34





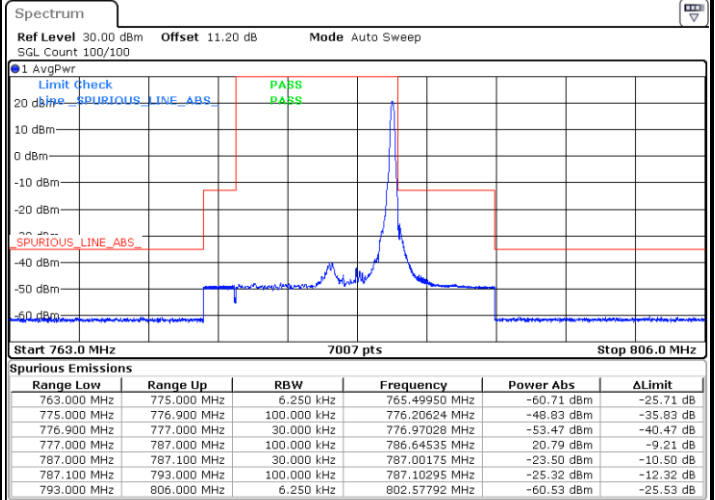
IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



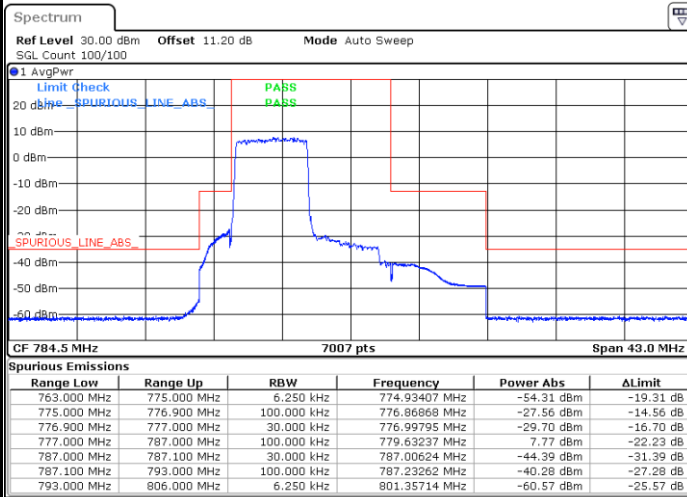
Date: 5 JAN 2021 09:46:06

Highest Band Edge / 1 RB



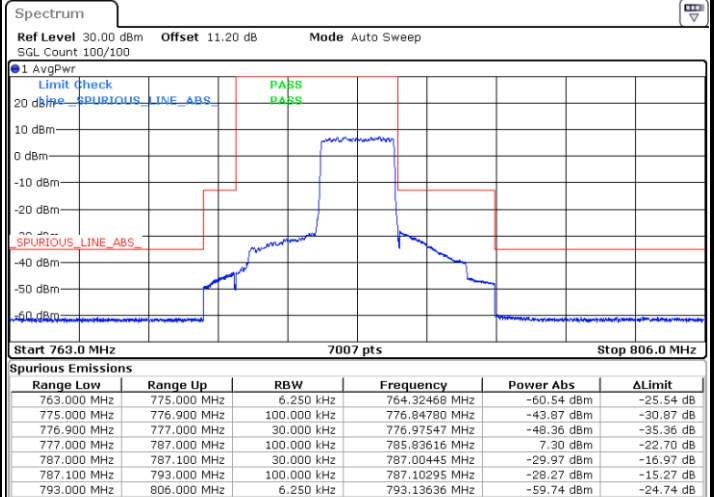
Date: 5 JAN 2021 09:53:43

Lowest Band Edge / Full RB



Date: 5 JAN 2021 09:40:22

Highest Band Edge / Full RB



Date: 5 JAN 2021 10:33:58

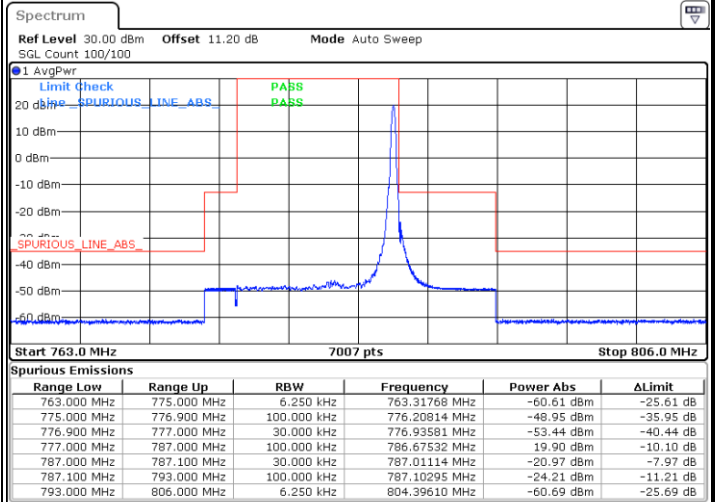
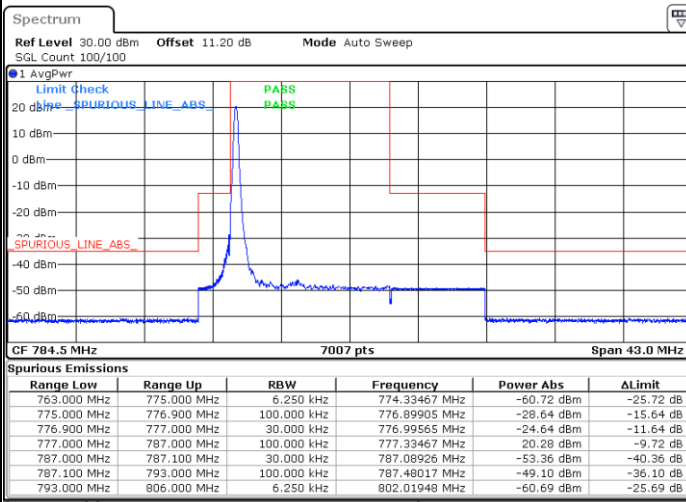




IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

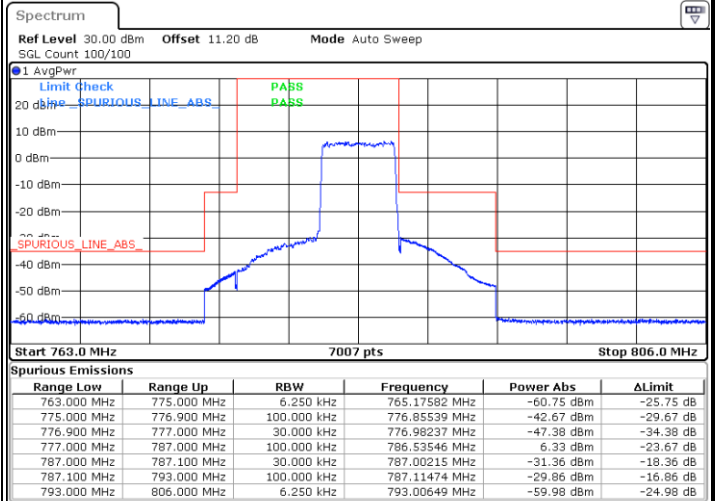
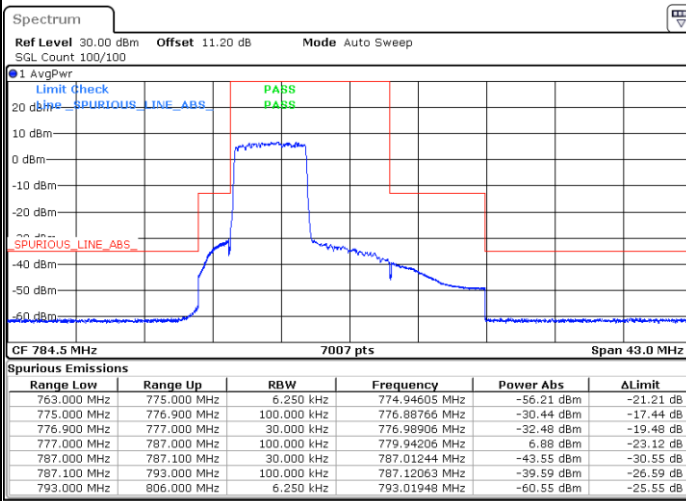


Date: 5 JAN 2021 09:44:11

Date: 5 JAN 2021 09:51:48

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JAN 2021 09:42:17

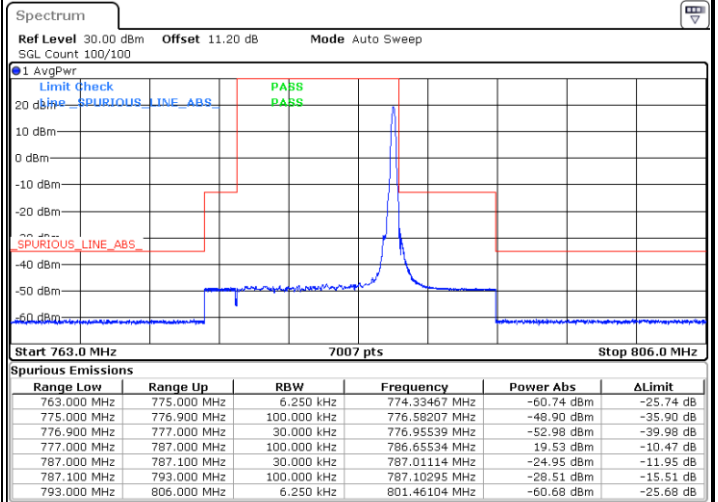
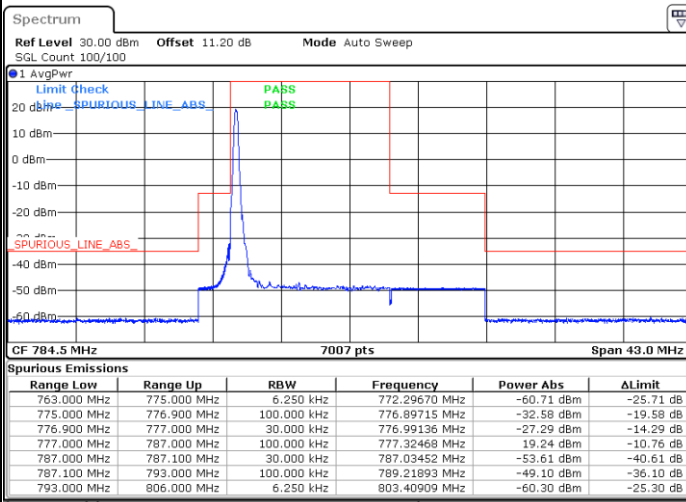
Date: 5 JAN 2021 09:49:54



IC LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

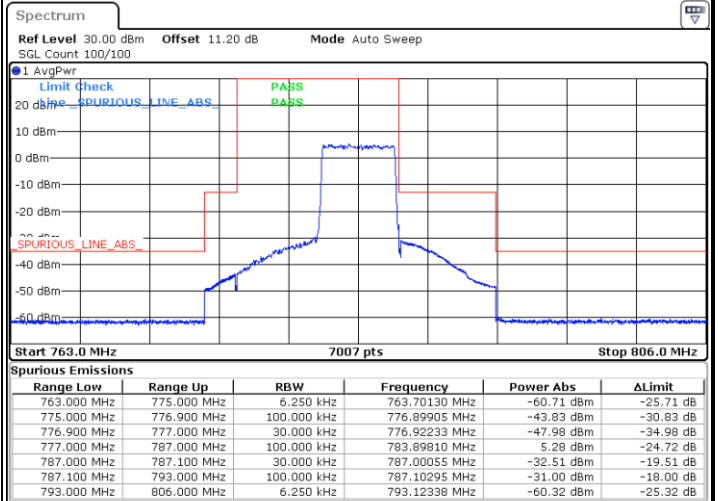
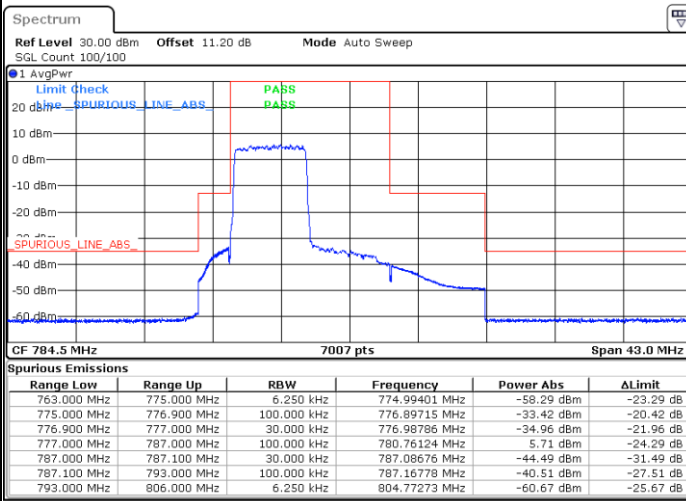


Date: 5 JAN 2021 09:57:31

Date: 5 JAN 2021 10:01:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JAN 2021 09:55:37

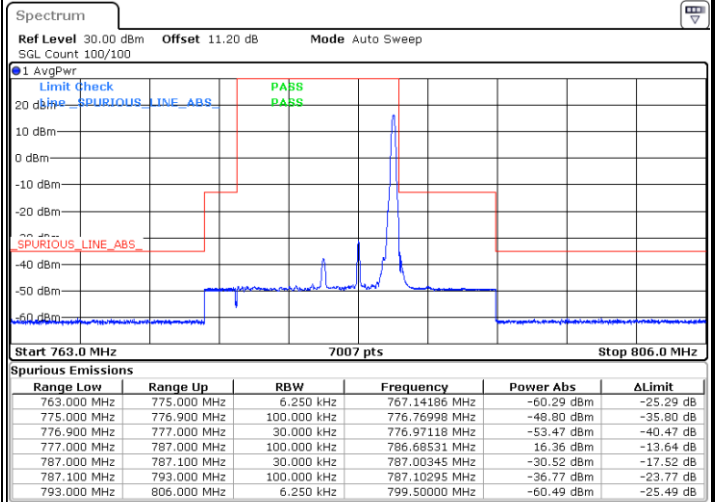
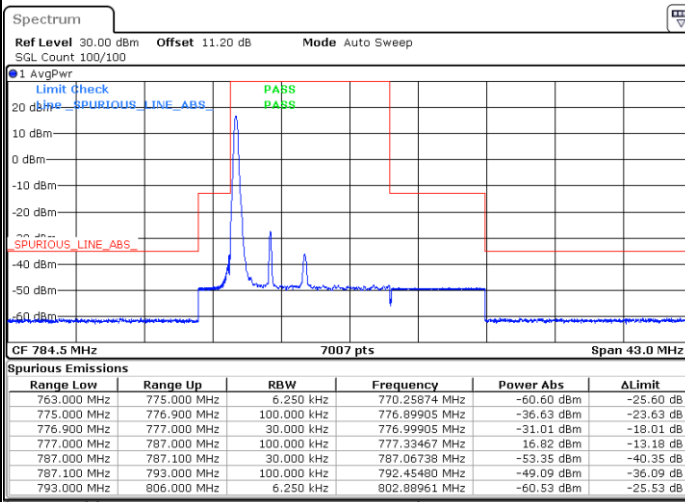
Date: 5 JAN 2021 09:59:25



IC LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

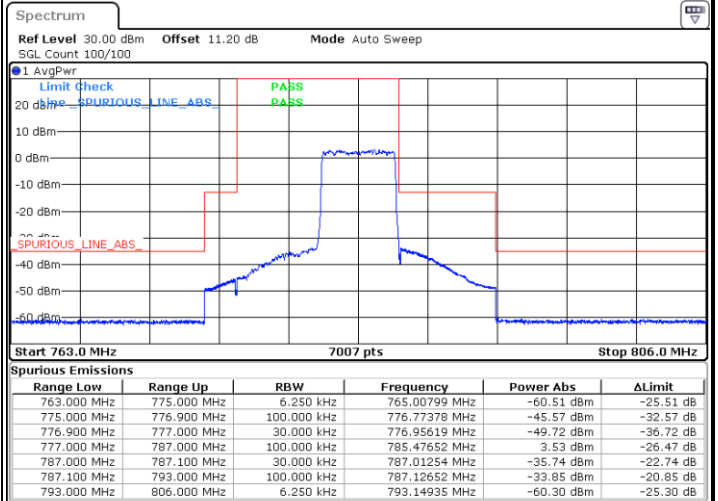
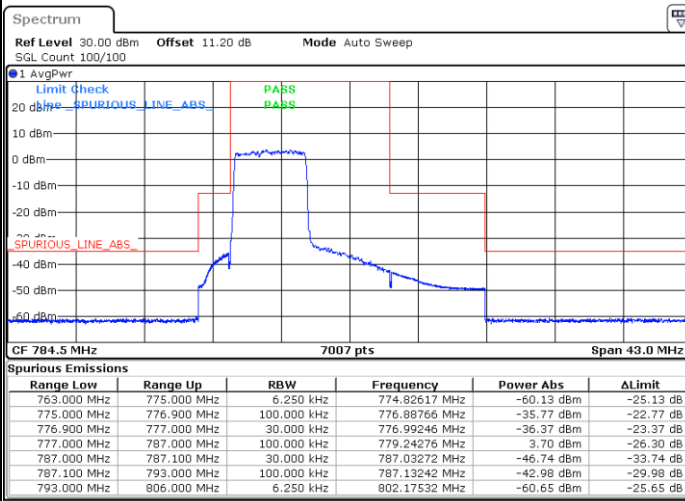


Date: 5 JAN 2021 10:27:22

Date: 5 JAN 2021 10:29:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JAN 2021 10:26:31

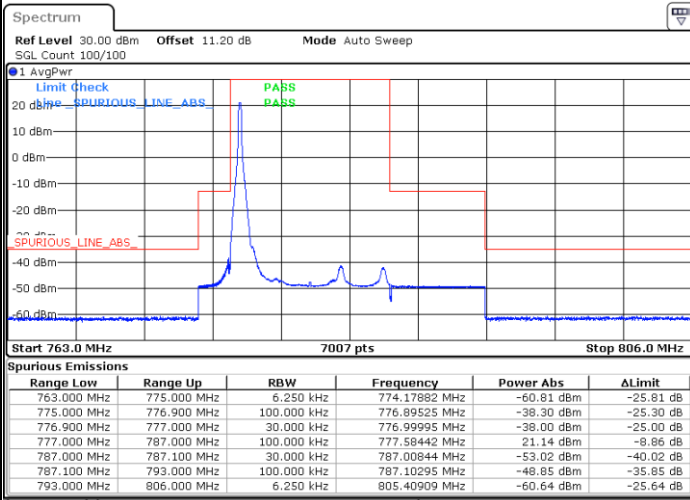
Date: 5 JAN 2021 10:32:20



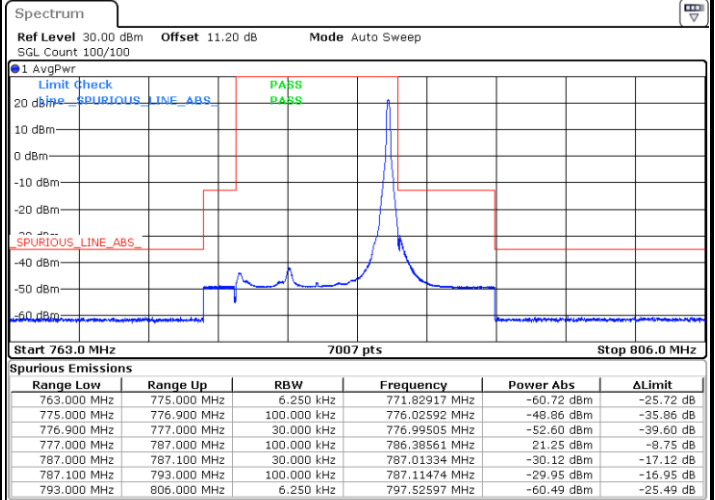
IC LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

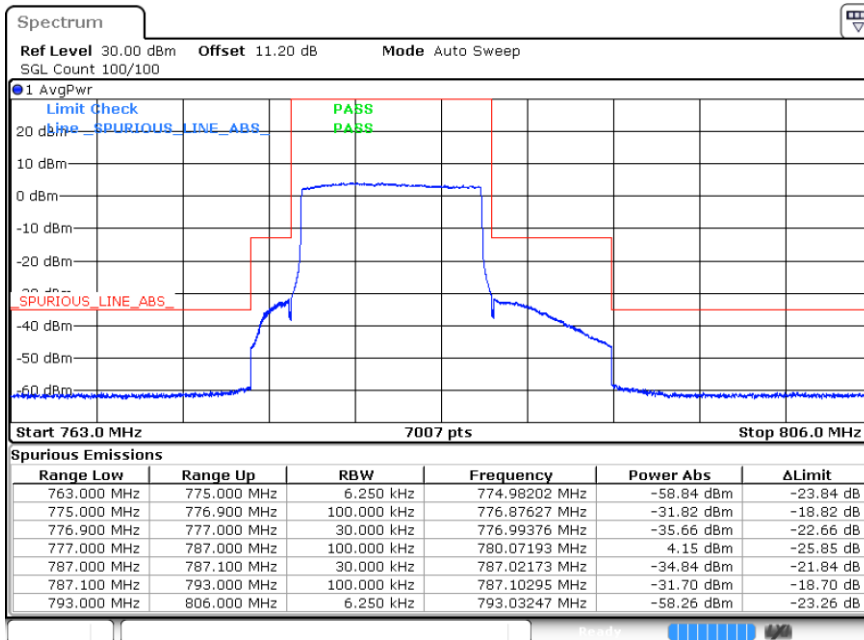


Date: 5 JAN 2021 10:08:58



Date: 5 JAN 2021 10:10:53

Band Edge / Full RB



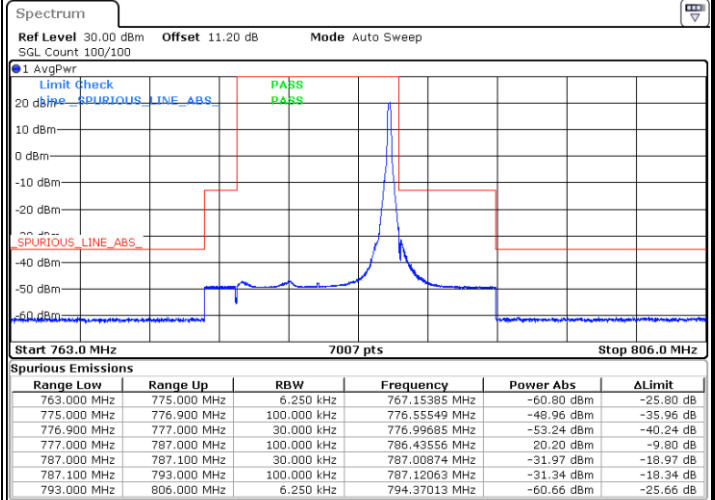
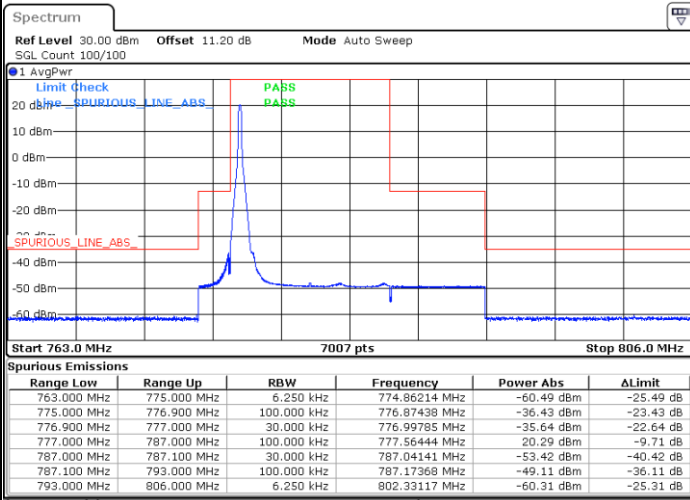
Date: 5 JAN 2021 10:03:15



IC LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

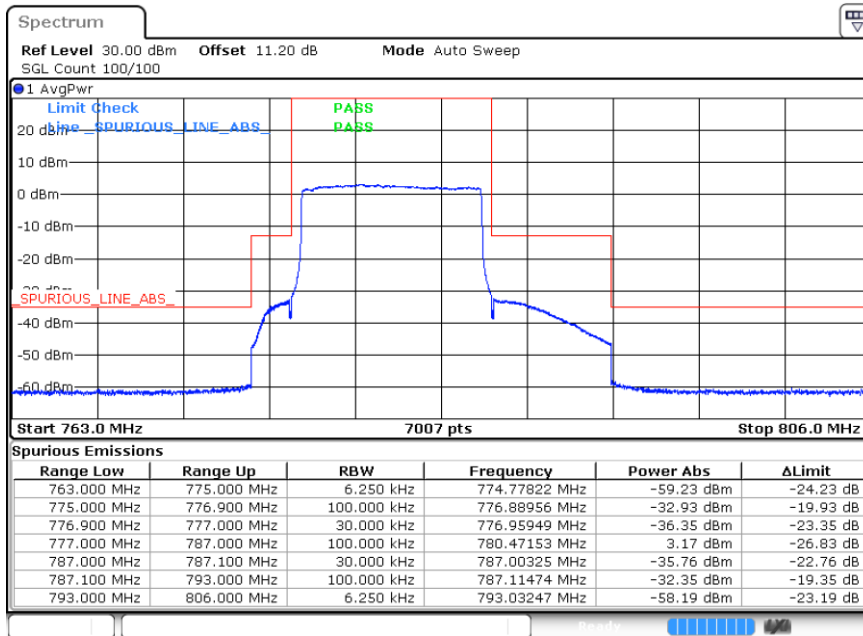
Highest Band Edge / 1 RB



Date: 5 JAN 2021 10:07:04

Date: 5 JAN 2021 10:12:47

Band Edge / Full RB



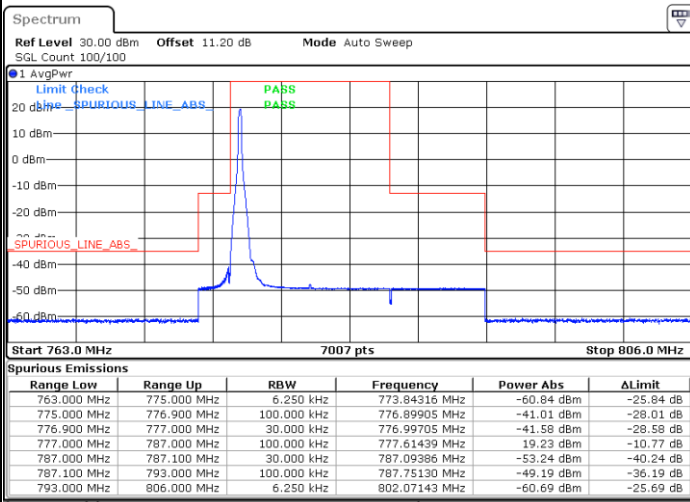
Date: 5 JAN 2021 10:05:09



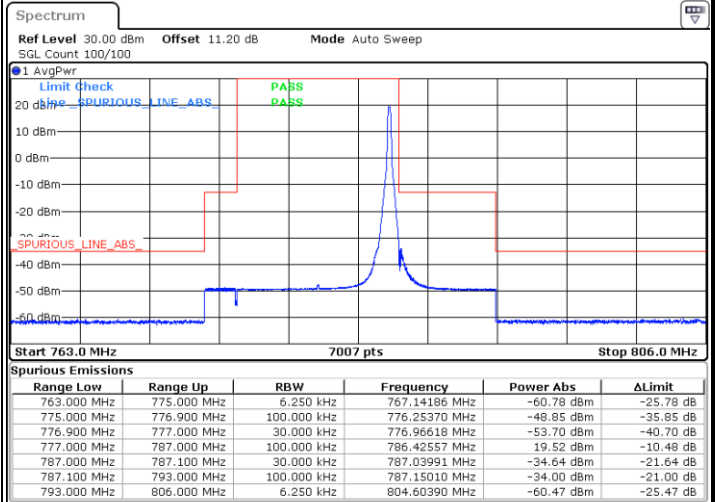
IC LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

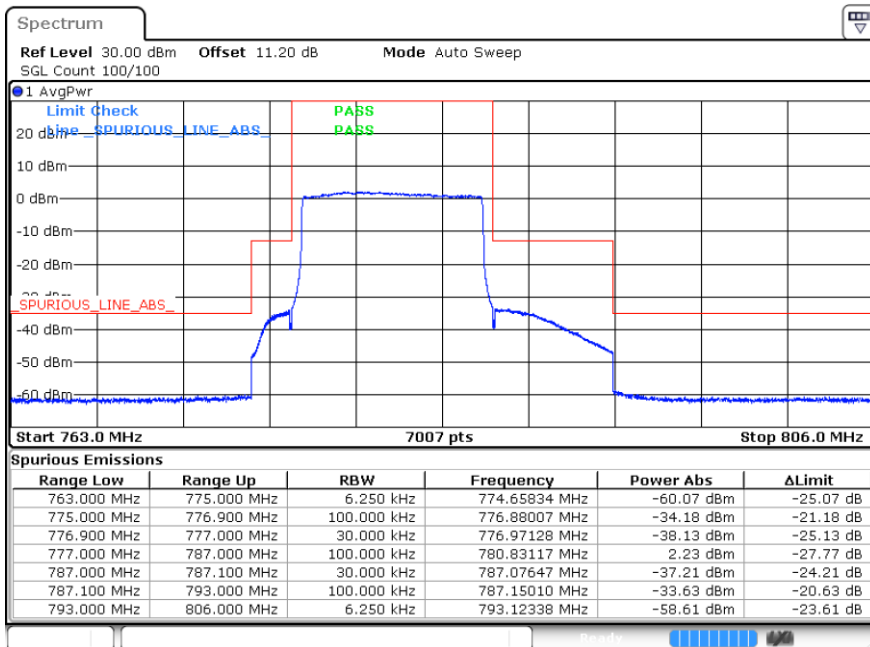


Date: 5 JAN 2021 10:16:36



Date: 5 JAN 2021 10:18:31

Band Edge / Full RB



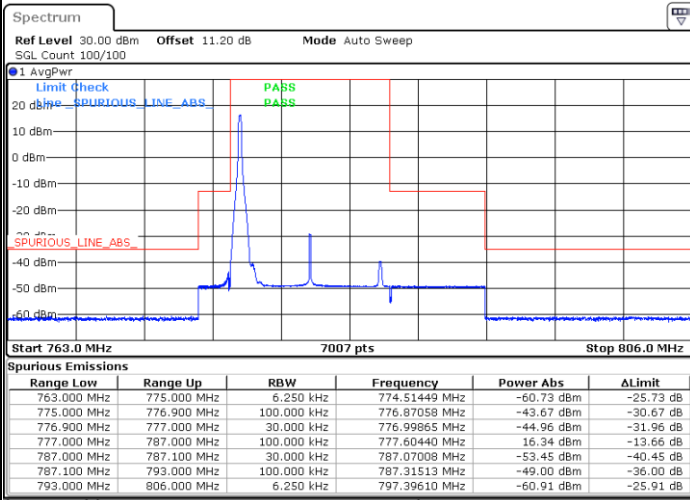
Date: 5 JAN 2021 10:14:42



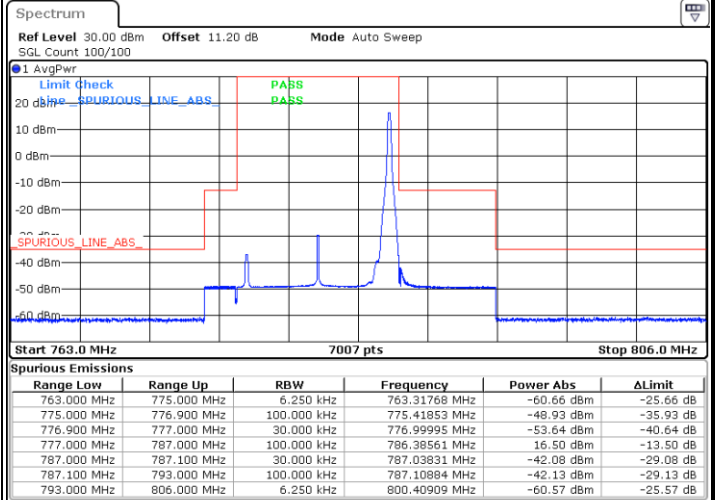
IC LTE Band 13 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

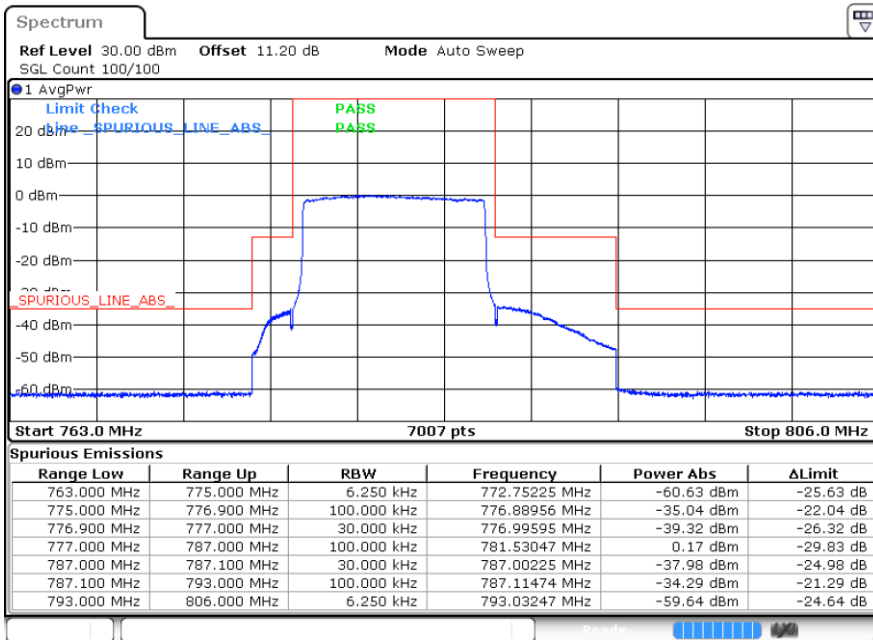


Date: 5 JAN 2021 10:23:36



Date: 5 JAN 2021 10:22:14

Band Edge / Full RB

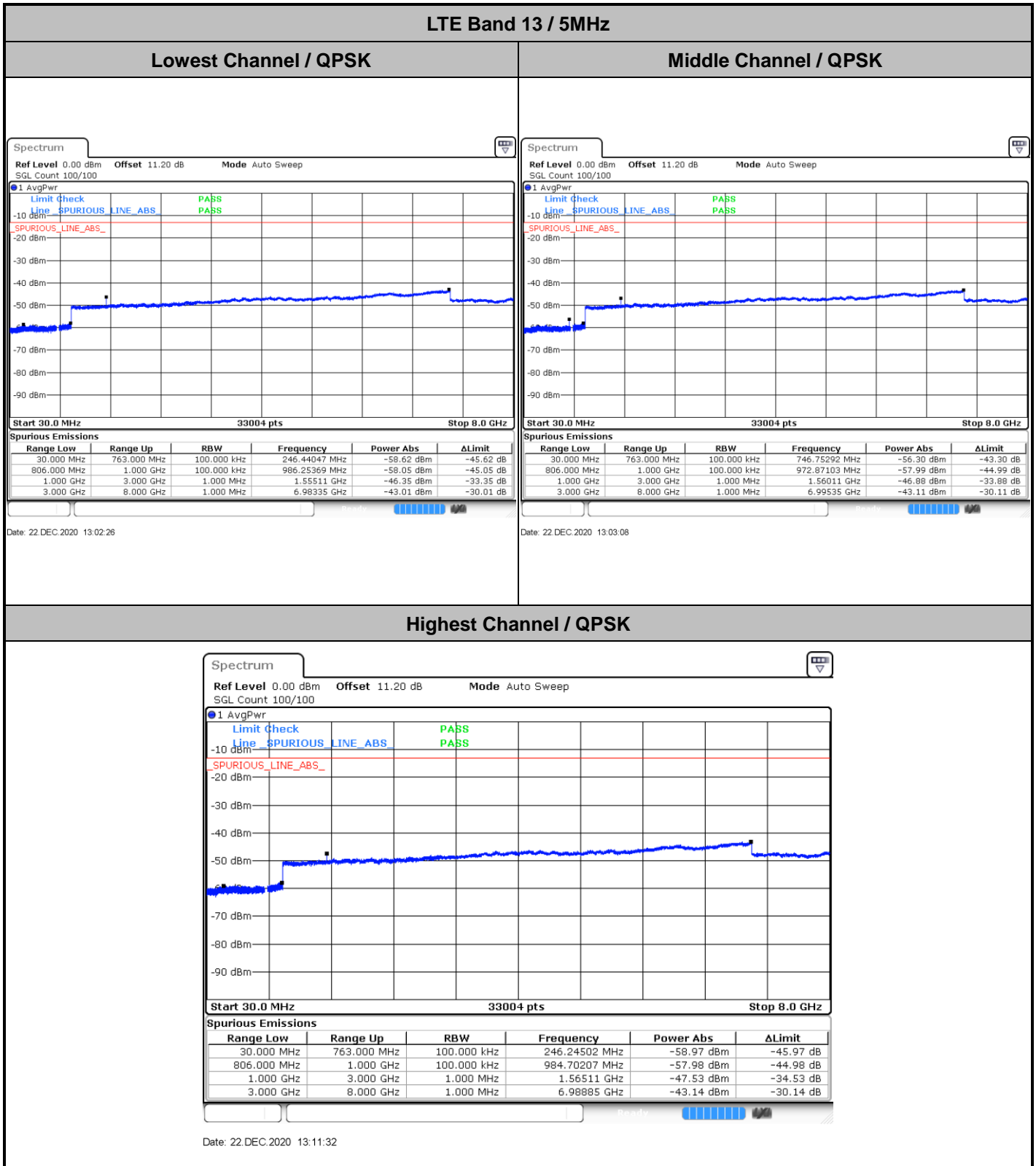


Date: 5 JAN 2021 10:25:07





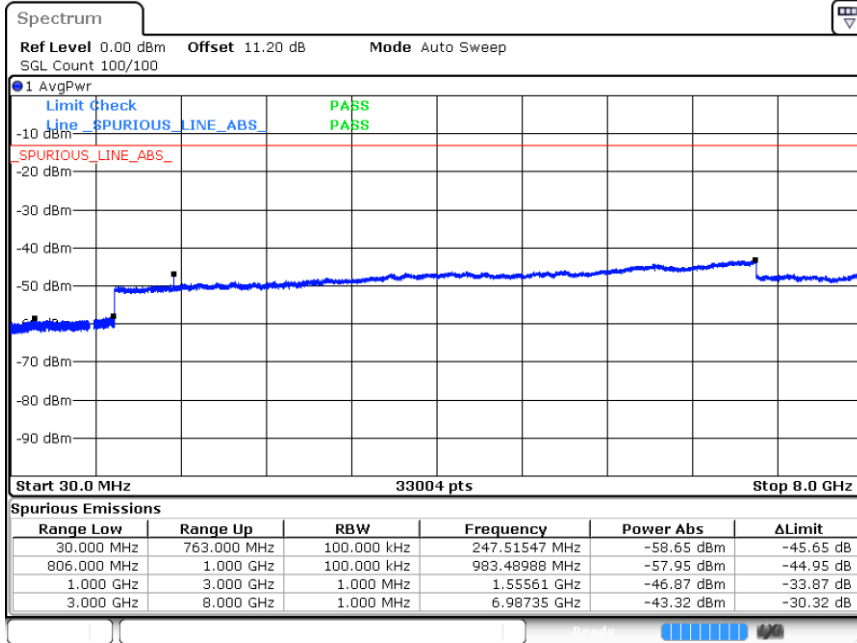
# Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 22.DEC.2020 13:30:31



**Frequency Stability**

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0109	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0077	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0079	
20	Maximum Voltage	0.0081	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0035	

**Note:**

- 1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 17

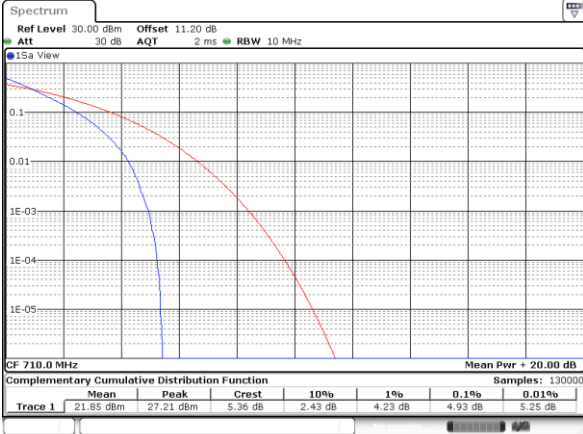
### Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.93	5.88	6.46	6.41	<b>PASS</b>



LTE Band 17 / 10MHz / QPSK

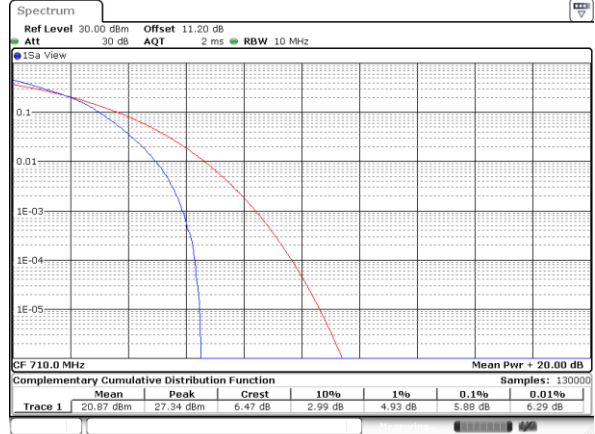
Middle Channel / Full RB



Date: 22 DEC 2020 16:10:15

LTE Band 17 / 10MHz / 16QAM

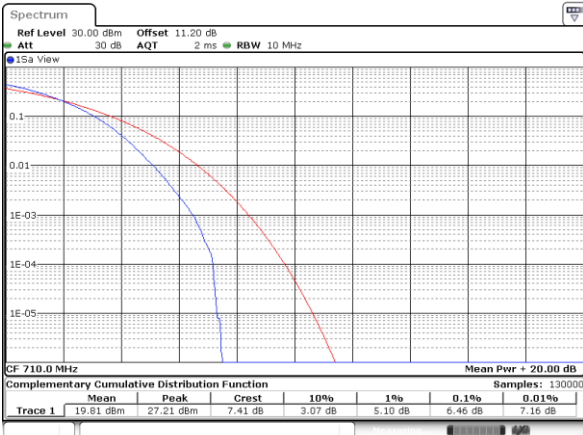
Middle Channel / Full RB



Date: 22 DEC 2020 16:10:01

LTE Band 17 / 10MHz / 64QAM

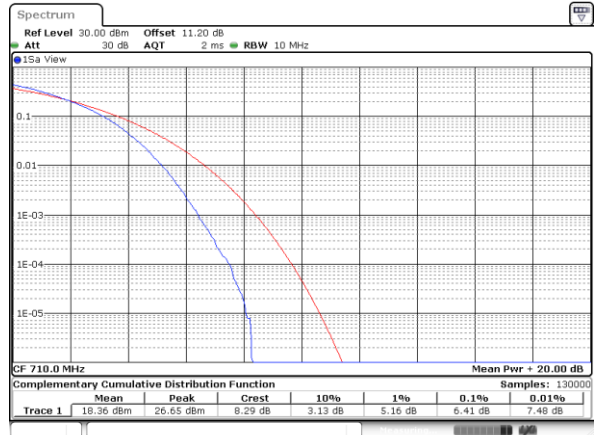
Middle Channel / Full RB



Date: 22 DEC 2020 16:10:39

LTE Band 17 / 10MHz / 256QAM

Middle Channel / Full RB



Date: 24 DEC 2020 13:59:52



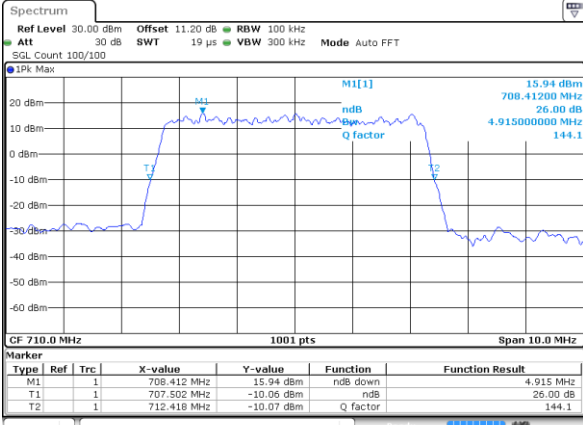
**26dB Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.92	4.91	9.85	9.85	-	-	-	-
Mode	LTE Band 17 : 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	-	-	-	-	4.96	4.99	9.81	10.01	-	-	-	-



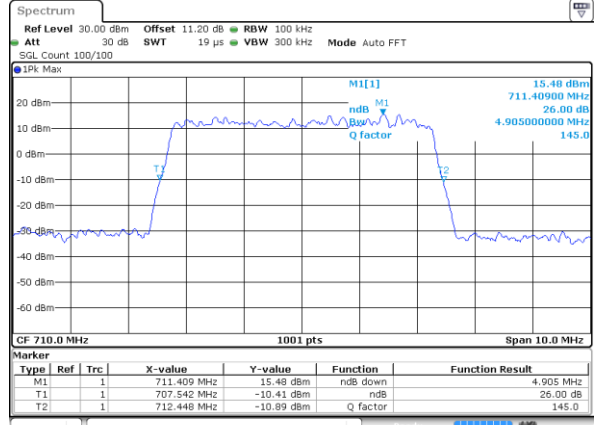
LTE Band 17

Middle Channel / 5MHz / QPSK



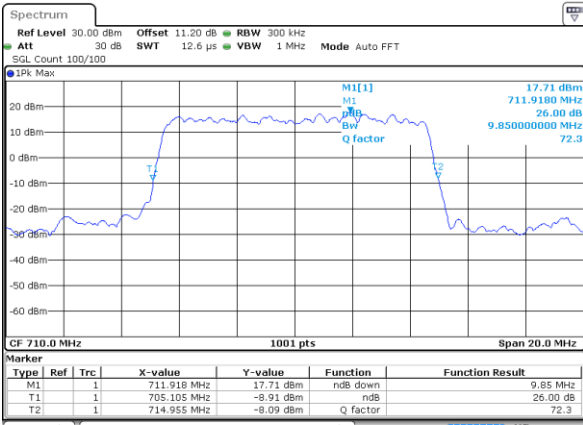
Date: 22 DEC 2020 15:48:18

Middle Channel / 5MHz / 16QAM



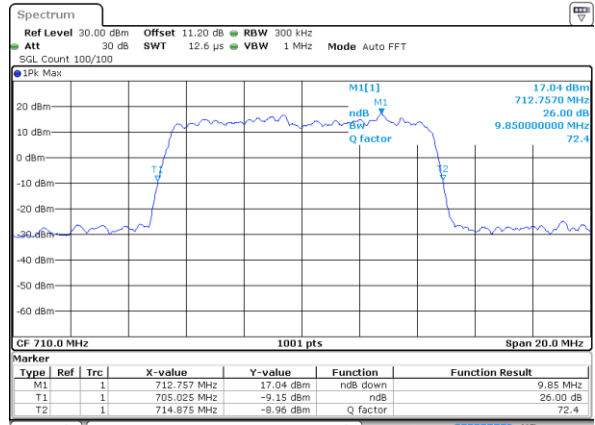
Date: 22 DEC 2020 15:48:31

Middle Channel / 10MHz / QPSK



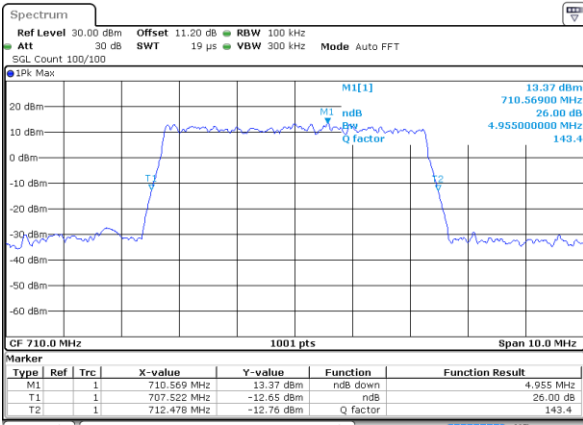
Date: 22 DEC 2020 15:57:01

Middle Channel / 10MHz / 16QAM



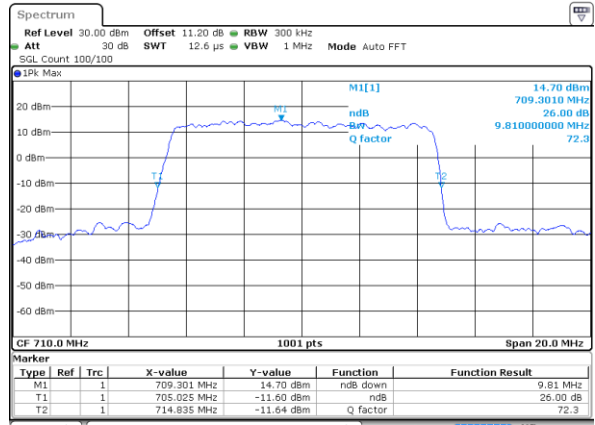
Date: 22 DEC 2020 15:57:14

Middle Channel / 5MHz / 64QAM



Date: 22 DEC 2020 16:03:21

Middle Channel / 10MHz / 64QAM



Date: 22 DEC 2020 16:06:39

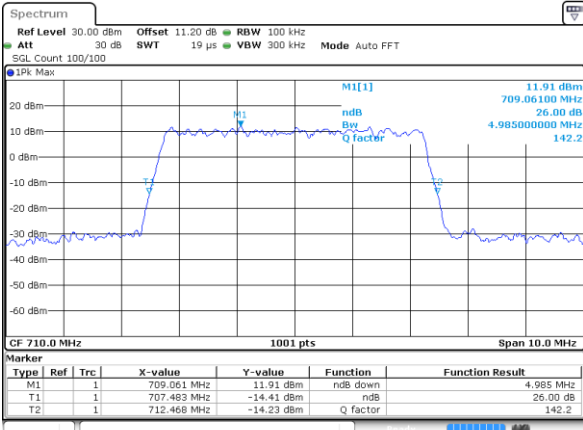




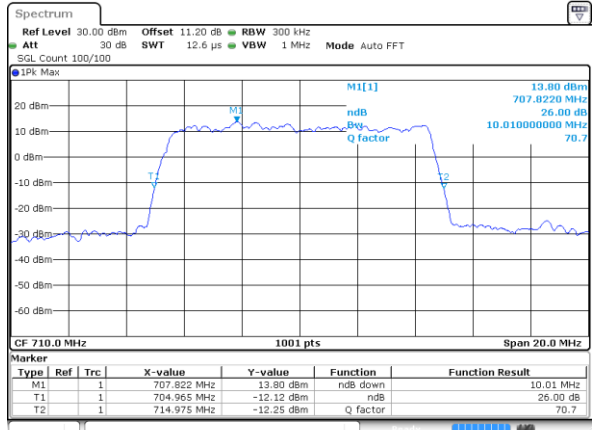
LTE Band 17

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 6 JAN 2021 15:46:27



Date: 24 DEC 2020 14:01:00



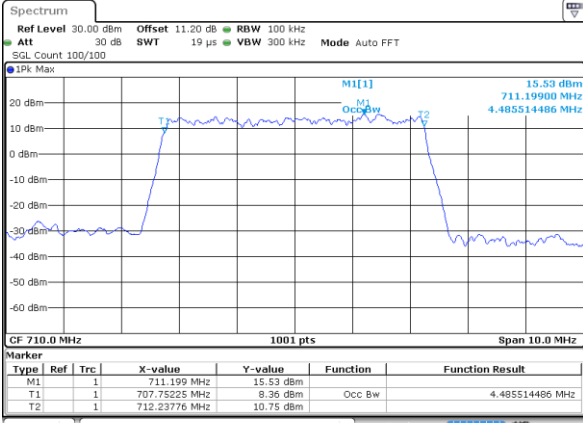
**Occupied Bandwidth**

Mode	LTE Band 17 : 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	-	-	-	-	4.49	4.50	9.01	9.01	-	-	-	-
Mode	LTE Band 17 : 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	-	-	-	-	4.49	4.50	9.01	8.97	-	-	-	-



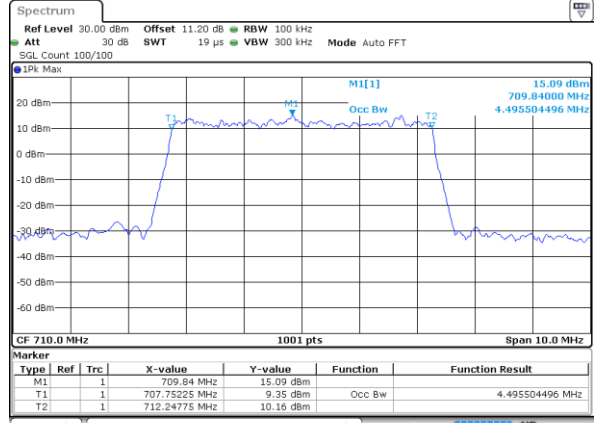
LTE Band 17

Middle Channel / 5MHz / QPSK



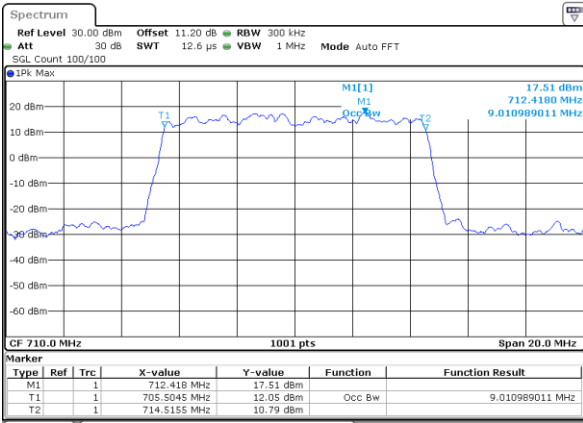
Date: 22 DEC 2020 15:47:52

Middle Channel / 5MHz / 16QAM



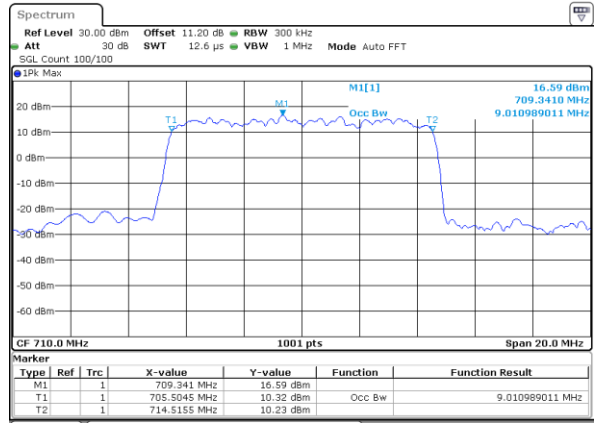
Date: 22 DEC 2020 15:48:05

Middle Channel / 10MHz / QPSK



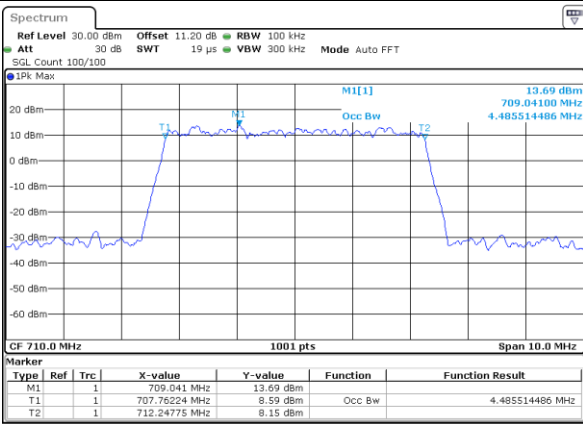
Date: 22 DEC 2020 15:56:35

Middle Channel / 10MHz / 16QAM



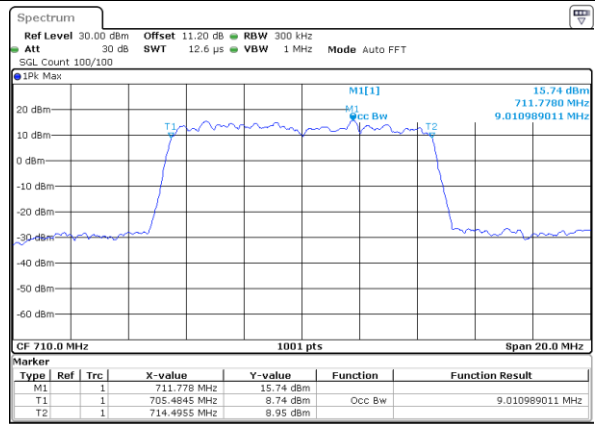
Date: 22 DEC 2020 15:56:48

Middle Channel / 5MHz / 64QAM



Date: 22 DEC 2020 16:03:08

Middle Channel / 10MHz / 64QAM



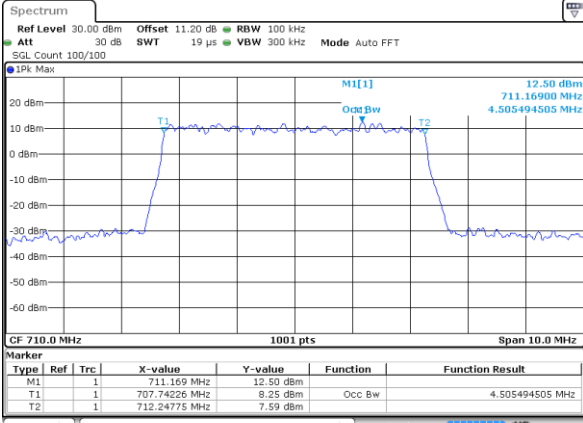
Date: 22 DEC 2020 16:06:26



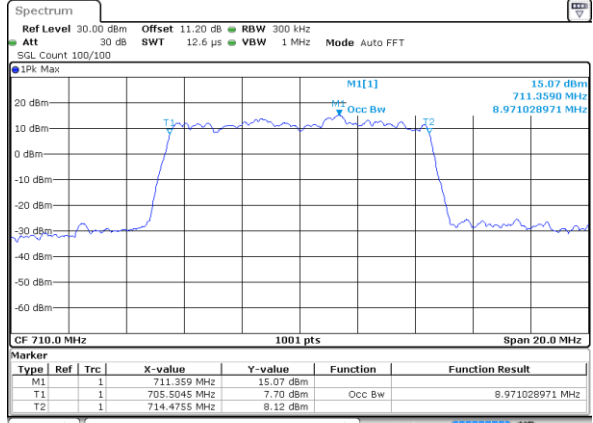
LTE Band 17

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



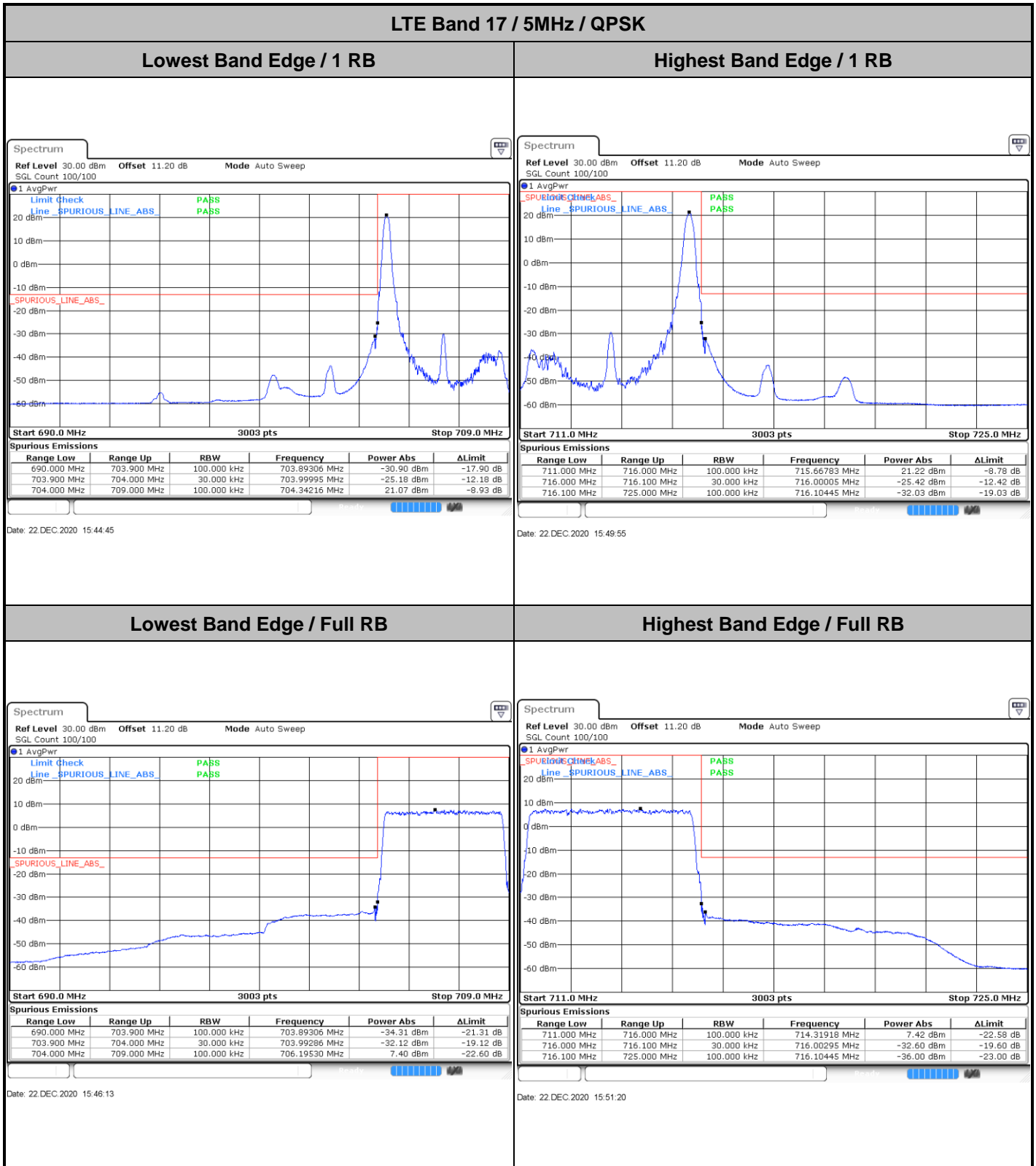
Date: 6 JAN 2021 15:48:17



Date: 24 DEC 2020 14:00:31



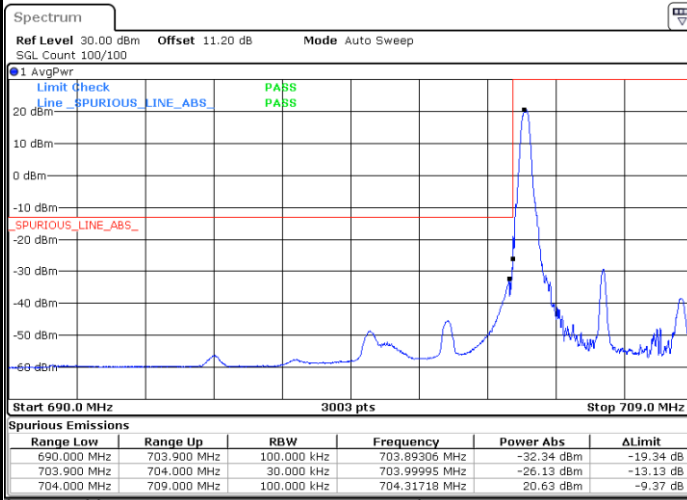
# Conducted Band Edge





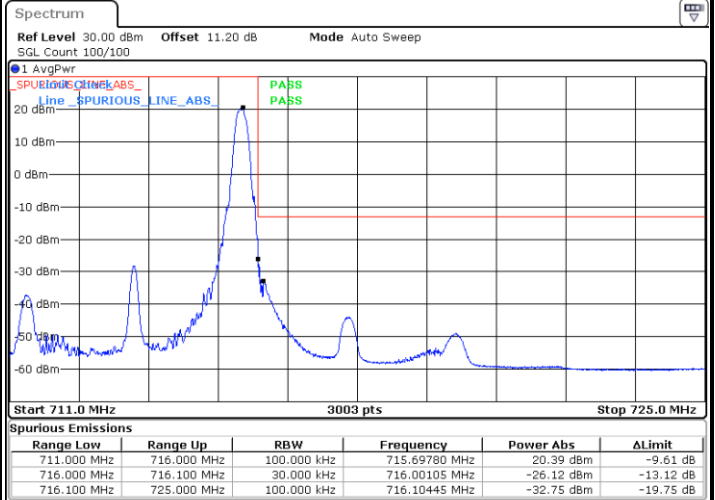
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



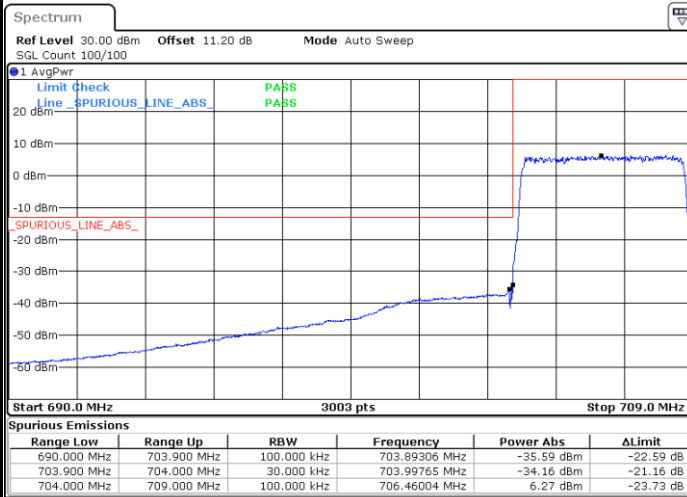
Date: 22 DEC 2020 15:45:29

Highest Band Edge / 1 RB



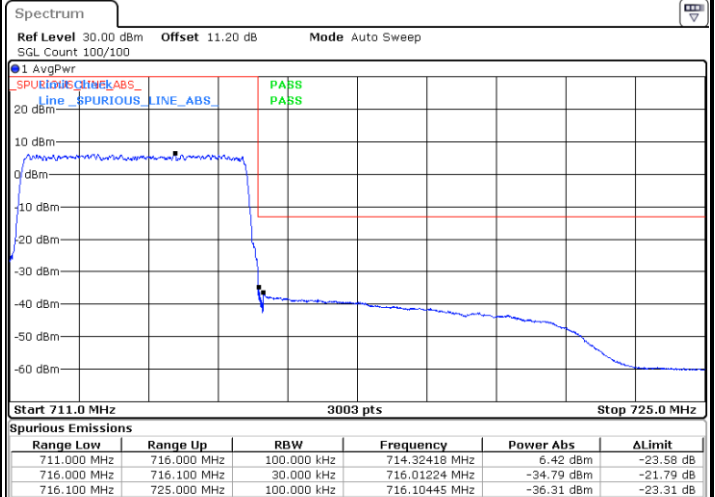
Date: 22 DEC 2020 15:50:38

Lowest Band Edge / Full RB



Date: 22 DEC 2020 15:46:57

Highest Band Edge / Full RB

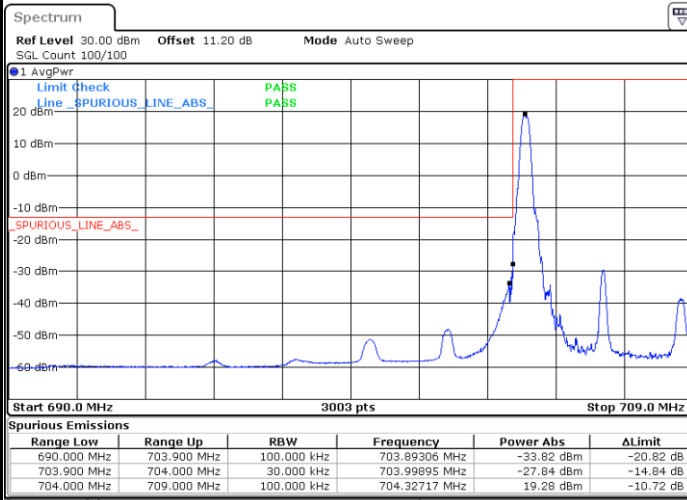


Date: 22 DEC 2020 15:52:02



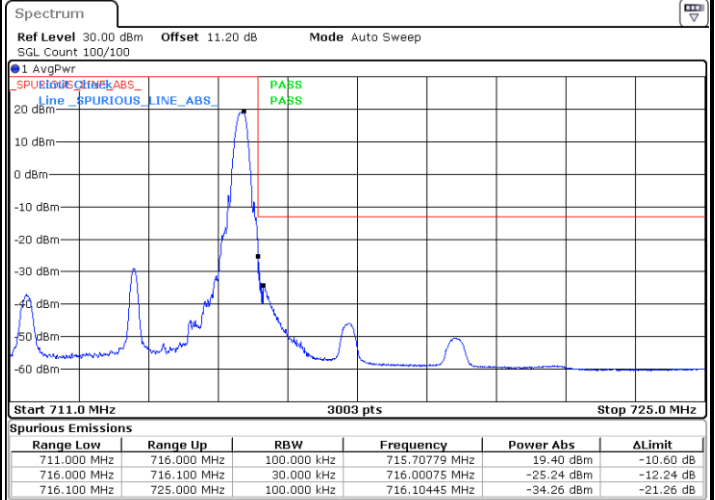
LTE Band 17 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



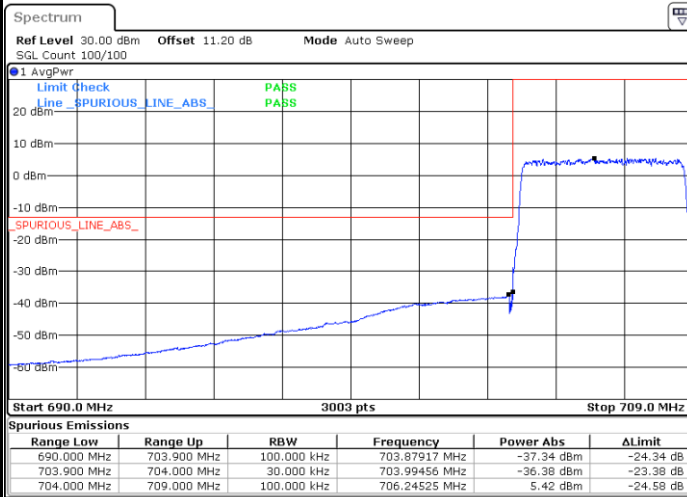
Date: 22 DEC 2020 16:02:11

Highest Band Edge / 1 RB



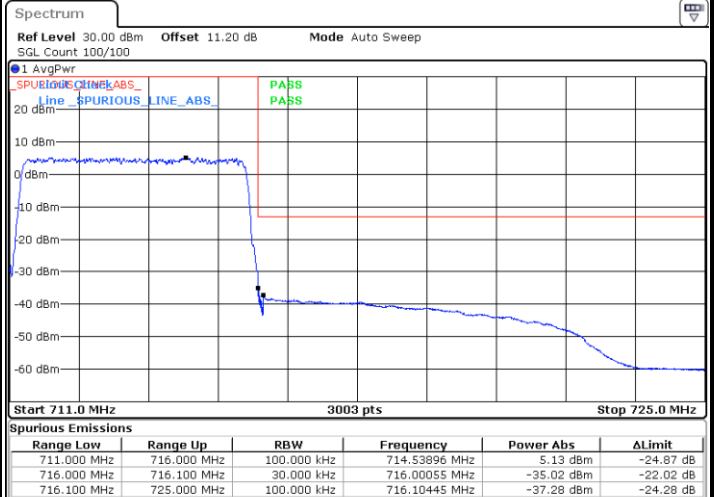
Date: 22 DEC 2020 16:04:03

Lowest Band Edge / Full RB



Date: 22 DEC 2020 16:02:55

Highest Band Edge / Full RB



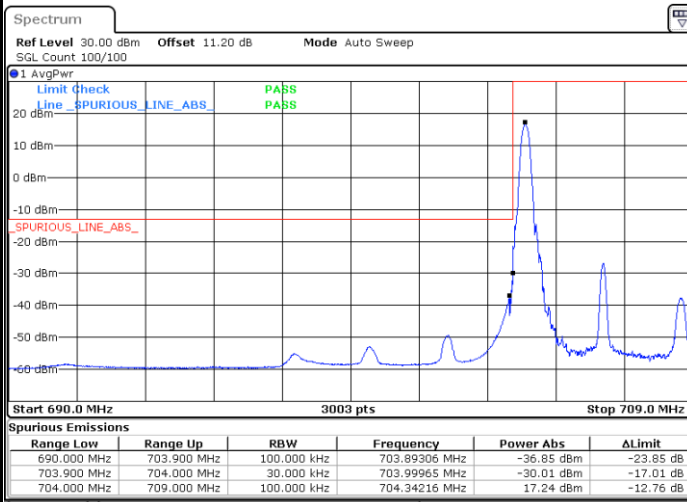
Date: 22 DEC 2020 16:04:45





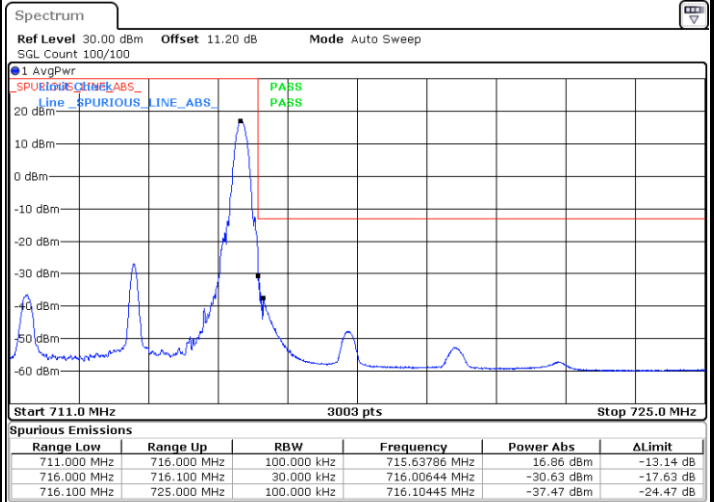
LTE Band 17 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



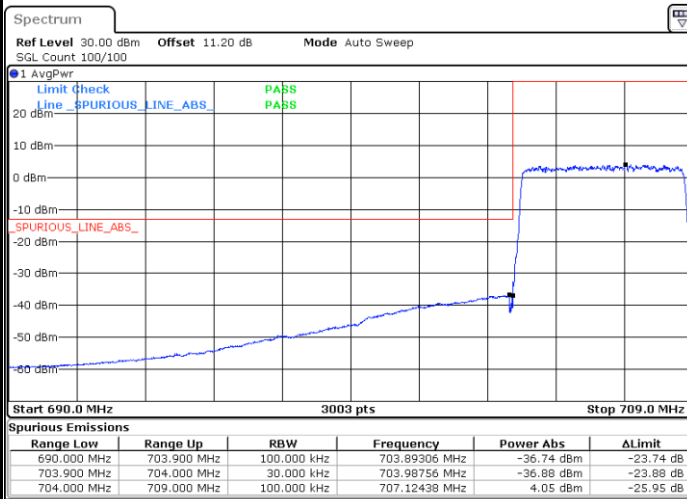
Date: 24 DEC 2020 13:42:17

Highest Band Edge / 1 RB



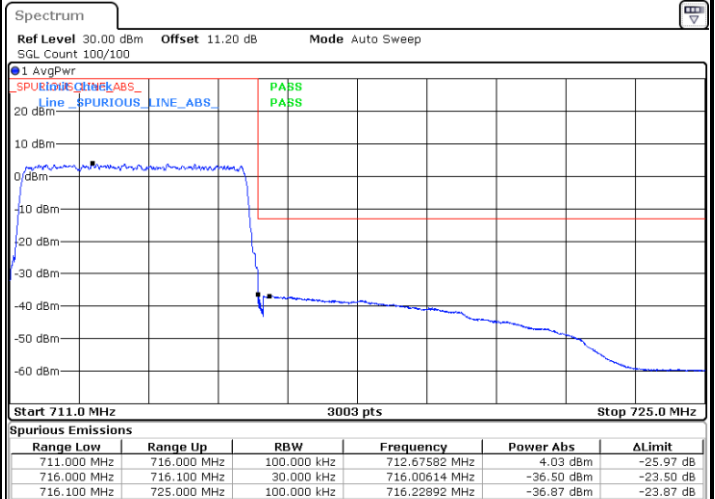
Date: 24 DEC 2020 13:46:18

Lowest Band Edge / Full RB



Date: 24 DEC 2020 13:43:12

Highest Band Edge / Full RB

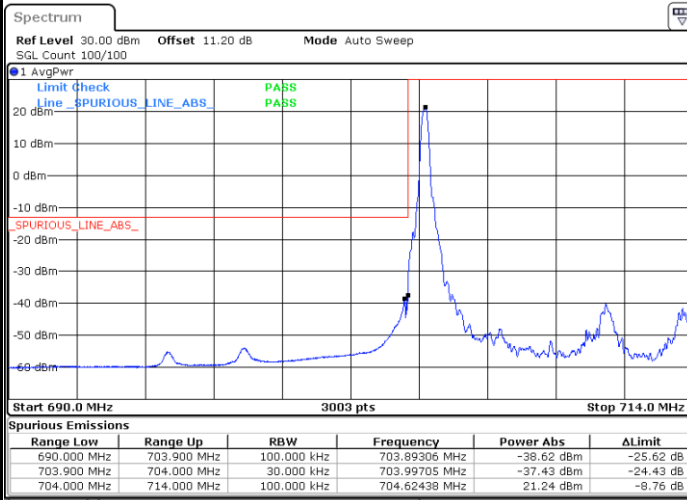


Date: 24 DEC 2020 13:47:11



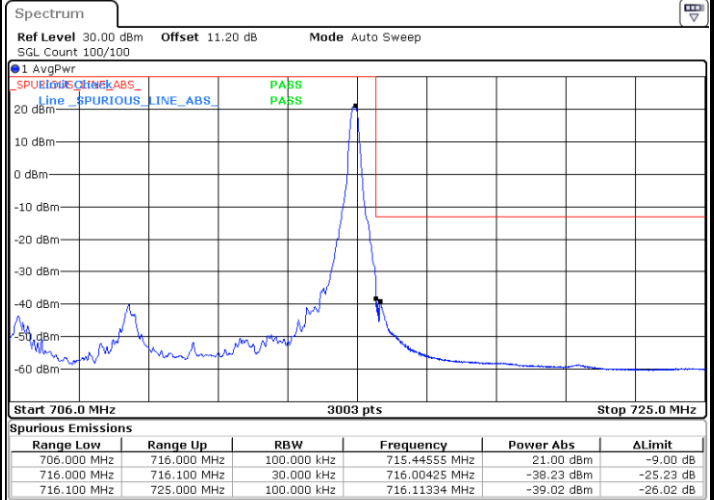
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



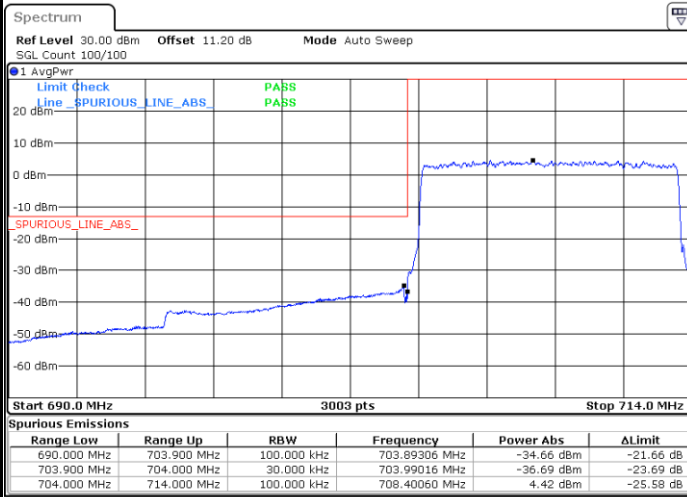
Date: 22 DEC 2020 15:53:29

Highest Band Edge / 1 RB



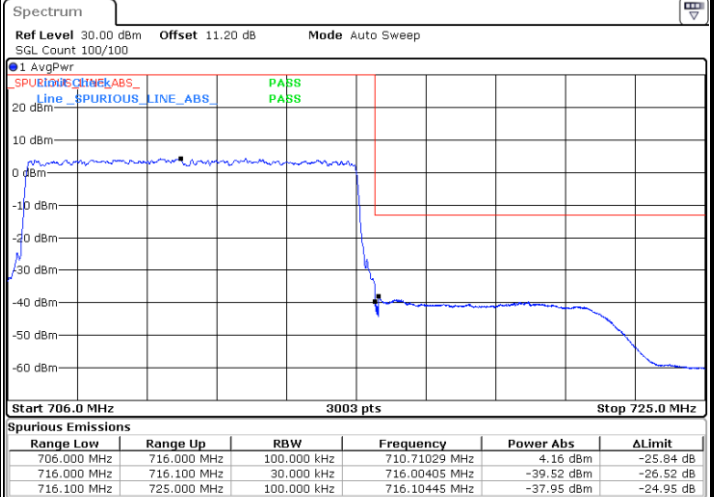
Date: 22 DEC 2020 15:58:38

Lowest Band Edge / Full RB



Date: 22 DEC 2020 15:54:56

Highest Band Edge / Full RB



Date: 22 DEC 2020 16:00:02