



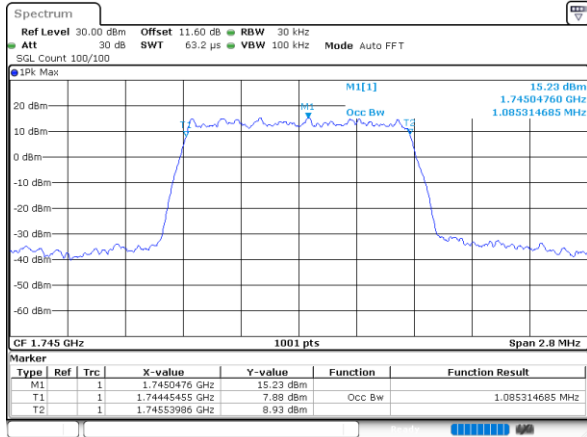
Occupied Bandwidth

Mode	LTE Band 66 : 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	1.09	1.09	2.71	2.73	4.50	4.49	9.05	9.03	13.46	13.46	17.82	17.94
Mode	LTE Band 66 : 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	-	4.47	-	9.03	-	13.40	-	17.90	-



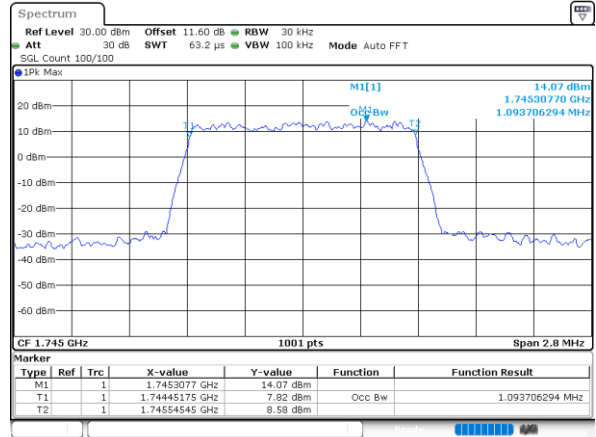
LTE Band 66

Middle Channel / 1.4MHz / QPSK



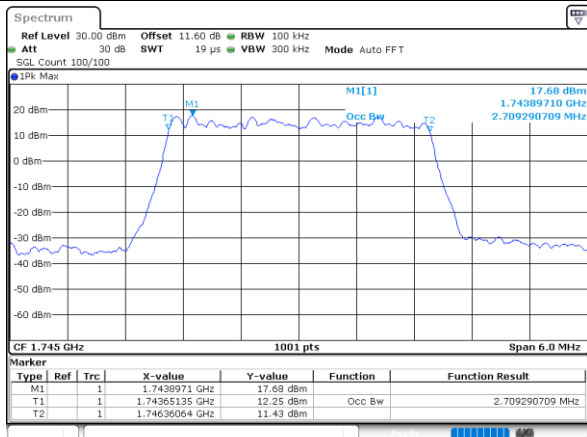
Date: 22.DEC.2021 15:32:46

Middle Channel / 1.4MHz / 16QAM



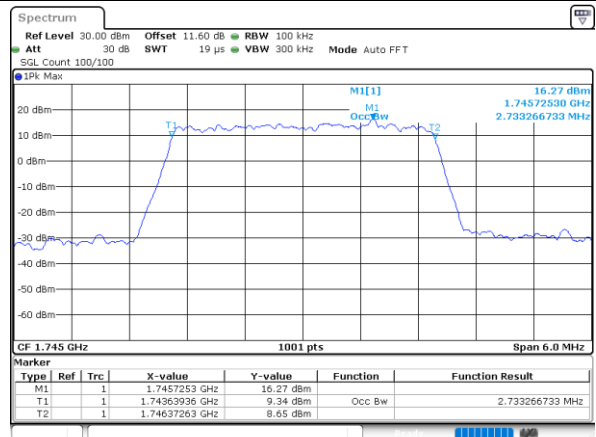
Date: 22.DEC.2021 15:33:08

Middle Channel / 3MHz / QPSK



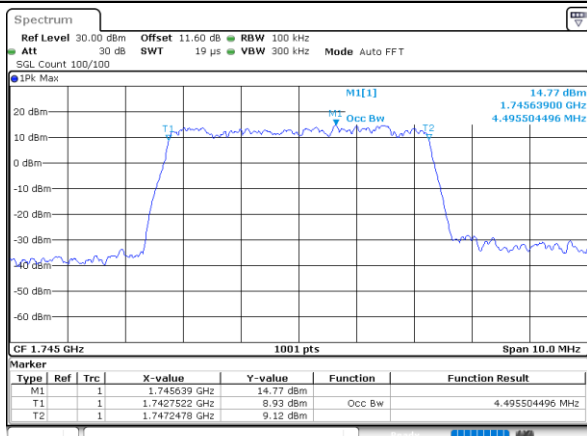
Date: 22.DEC.2021 15:42:30

Middle Channel / 3MHz / 16QAM



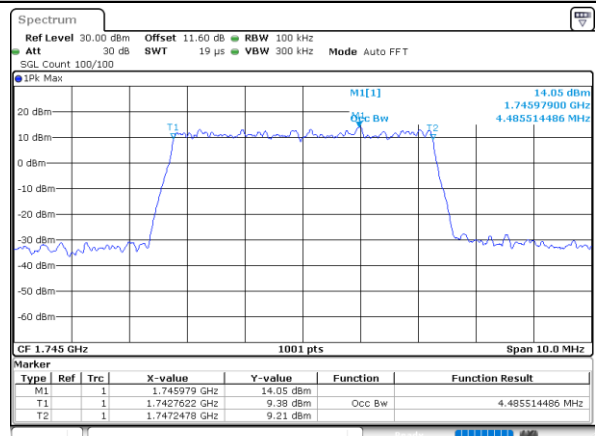
Date: 22.DEC.2021 15:42:51

Middle Channel / 5MHz / QPSK



Date: 22.DEC.2021 15:56:54

Middle Channel / 5MHz / 16QAM

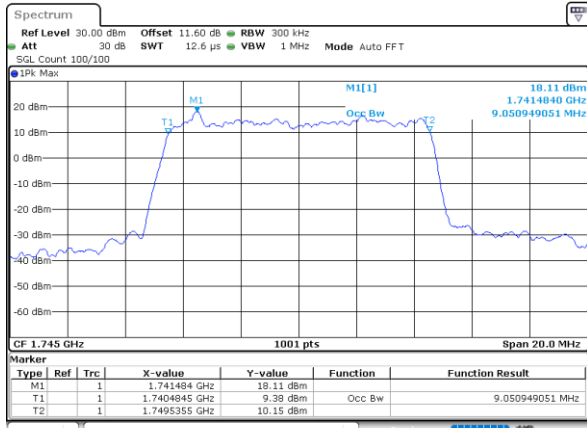


Date: 22.DEC.2021 15:57:15



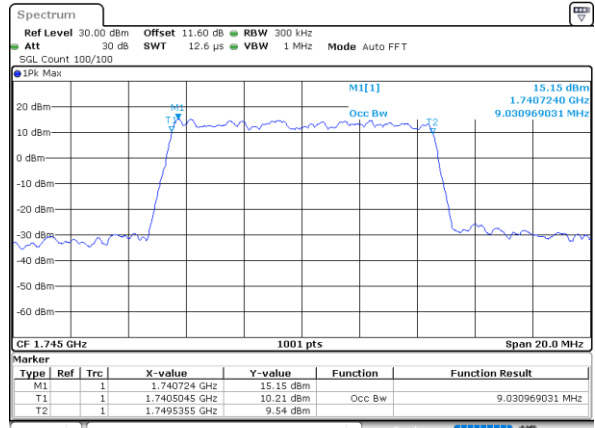
LTE Band 66

Middle Channel / 10MHz / QPSK



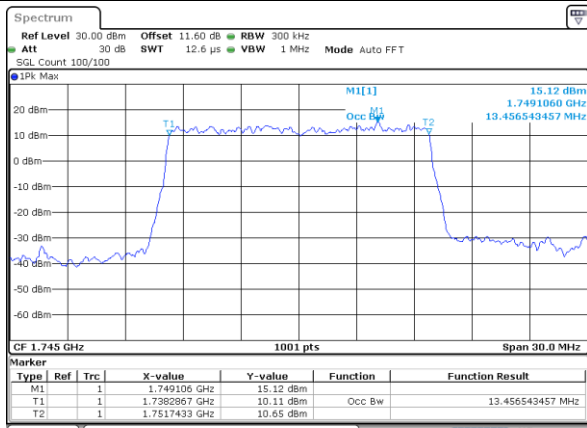
Date: 22. DEC. 2021 16:32:34

Middle Channel / 10MHz / 16QAM



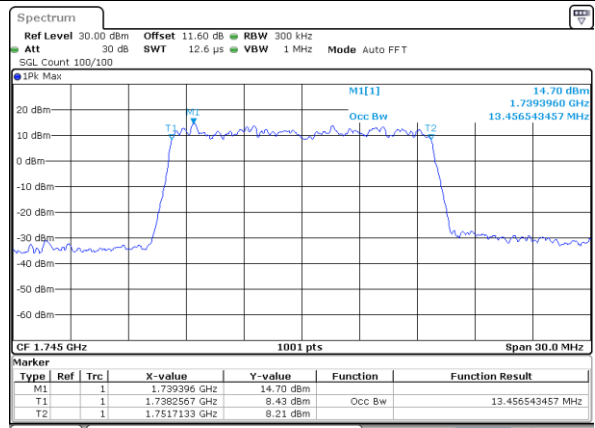
Date: 22. DEC. 2021 16:32:55

Middle Channel / 15MHz / QPSK



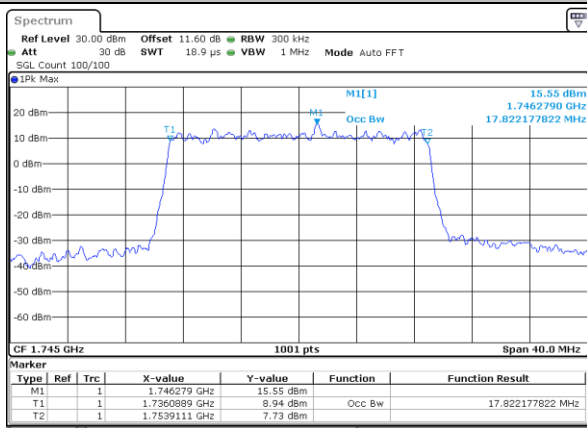
Date: 22. DEC. 2021 16:57:01

Middle Channel / 15MHz / 16QAM



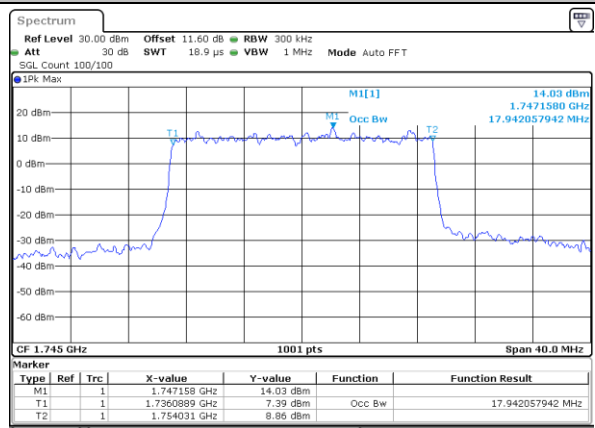
Date: 22. DEC. 2021 16:57:22

Middle Channel / 20MHz / QPSK



Date: 22. DEC. 2021 17:04:40

Middle Channel / 20MHz / 16QAM

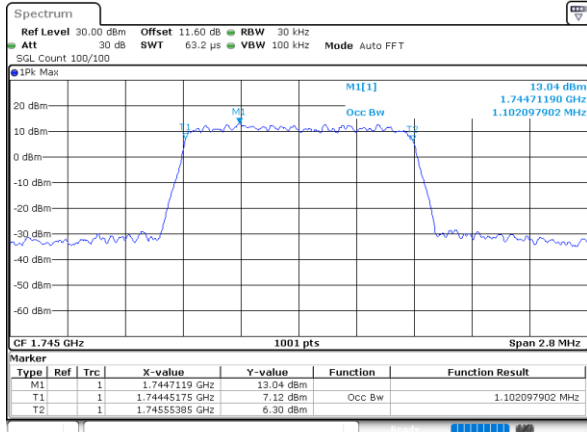


Date: 22. DEC. 2021 17:06:39

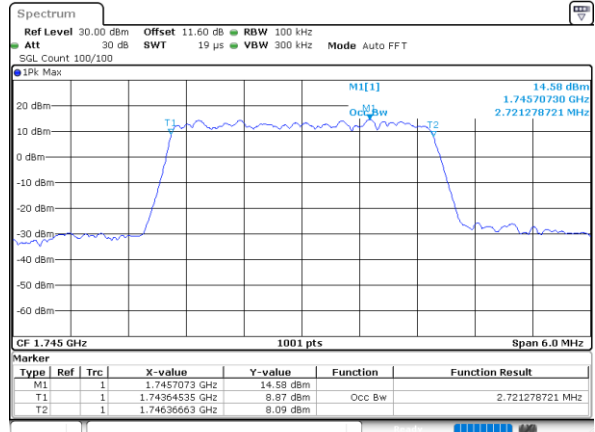


LTE Band 66

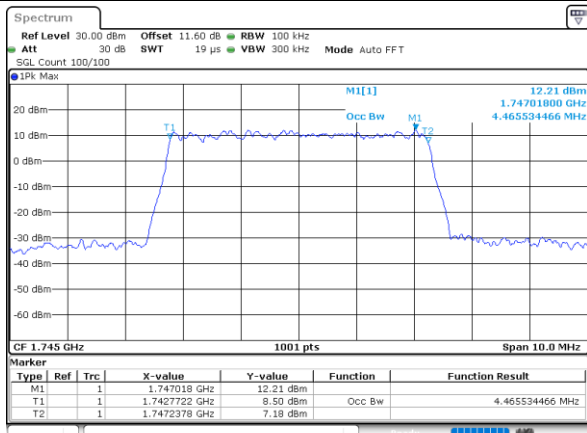
Middle Channel / 1.4MHz / 64QAM



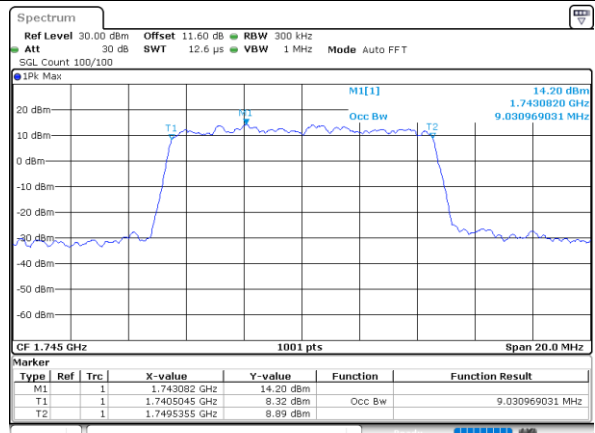
Middle Channel / 3MHz / 64QAM



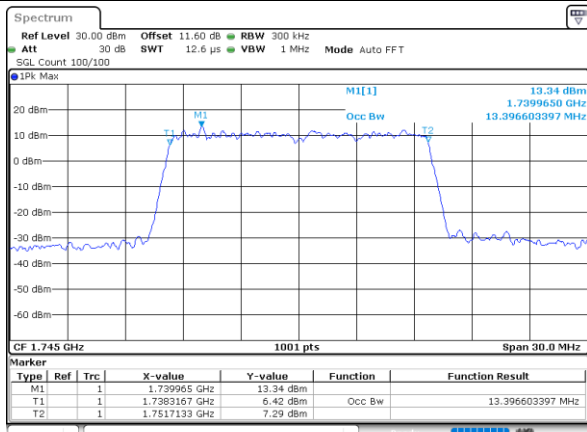
Middle Channel / 5MHz / 64QAM



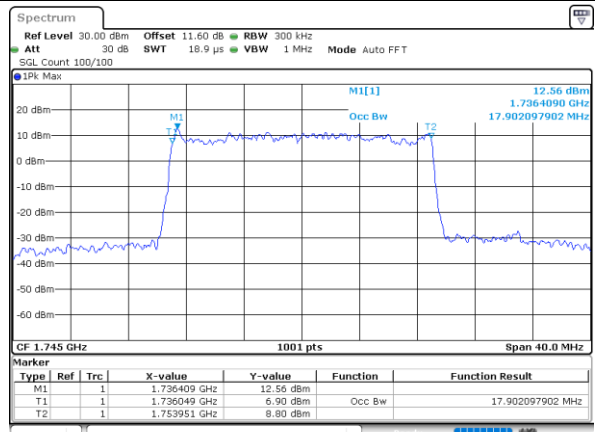
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM



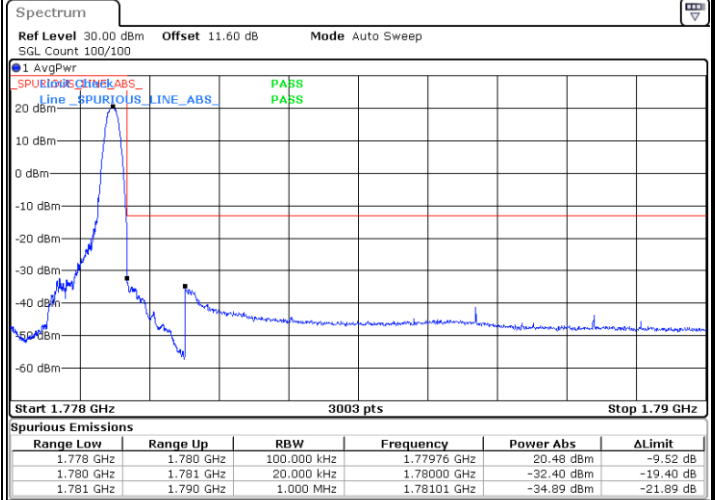
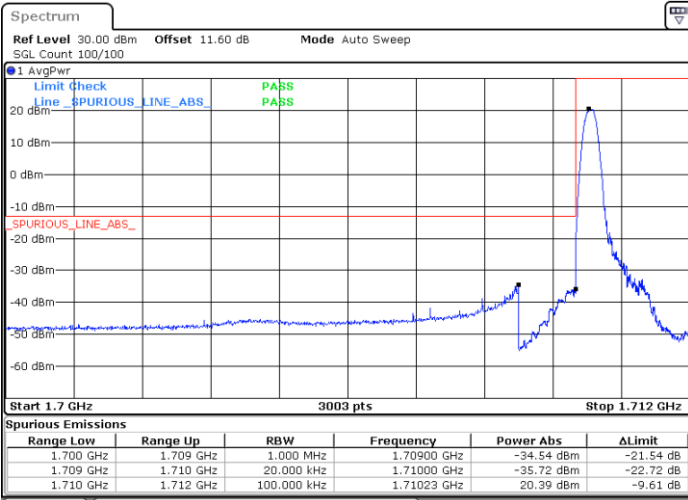


Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

Highest Band Edge / 1RB

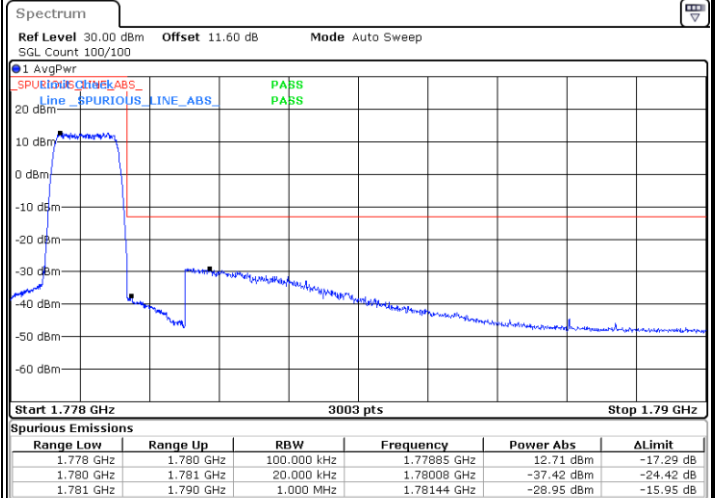
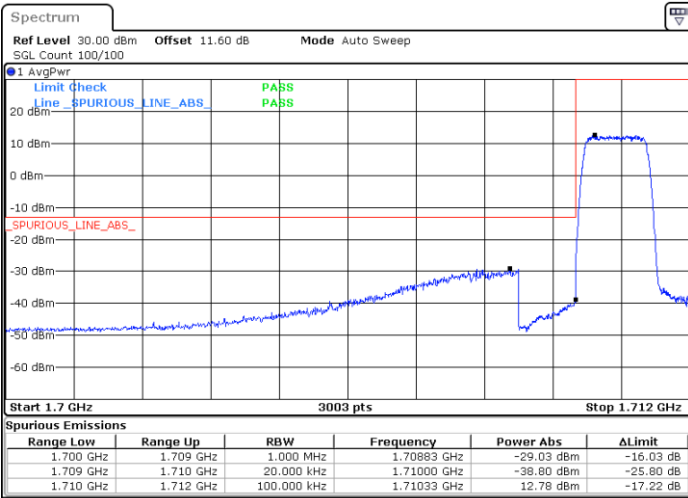


Date: 22.DEC.2021 15:30:18

Date: 22.DEC.2021 15:35:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



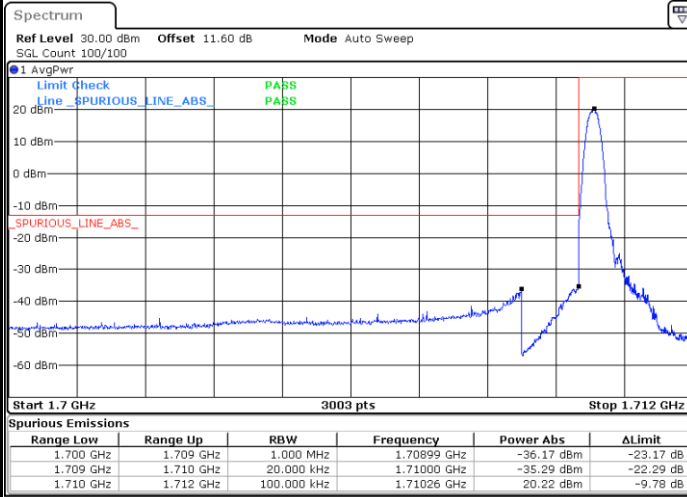
Date: 22.DEC.2021 15:31:09

Date: 22.DEC.2021 15:35:56



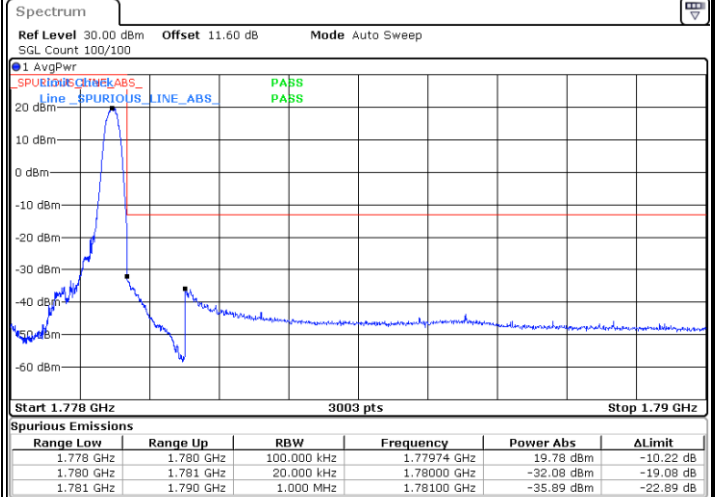
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



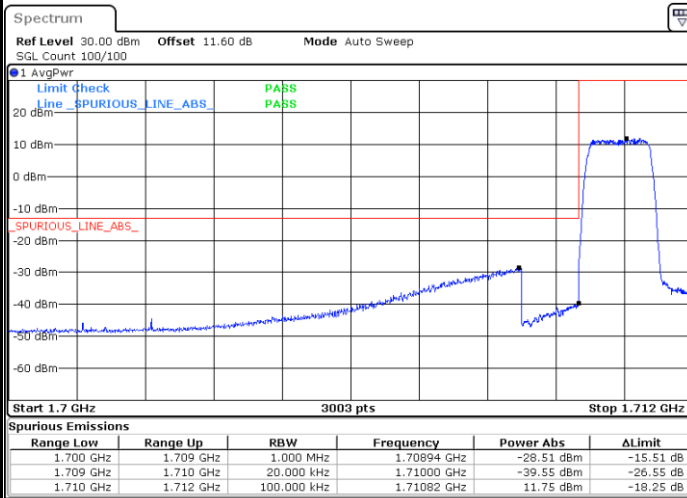
Date: 22.DEC.2021 15:30:43

Highest Band Edge / 1 RB



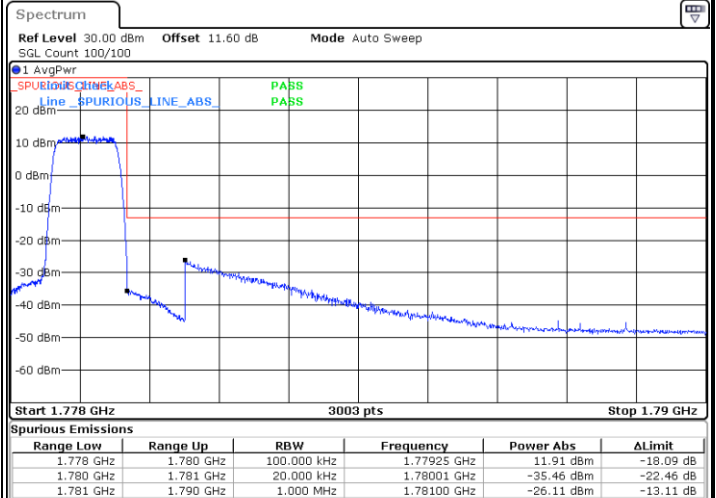
Date: 22.DEC.2021 15:35:31

Lowest Band Edge / Full RB



Date: 22.DEC.2021 15:31:34

Highest Band Edge / Full RB

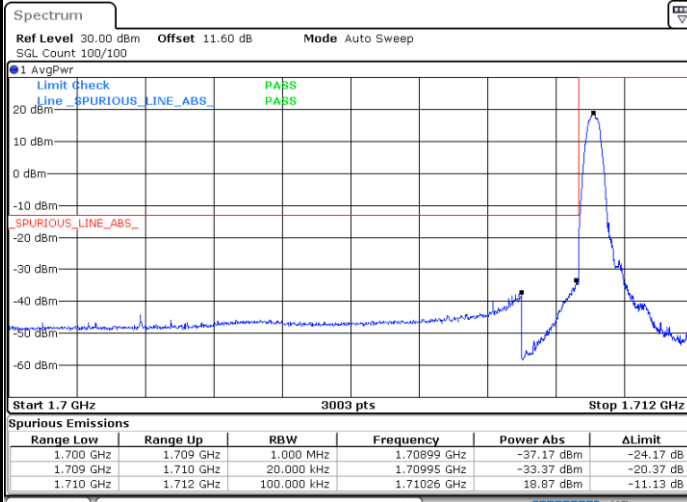


Date: 22.DEC.2021 15:36:22



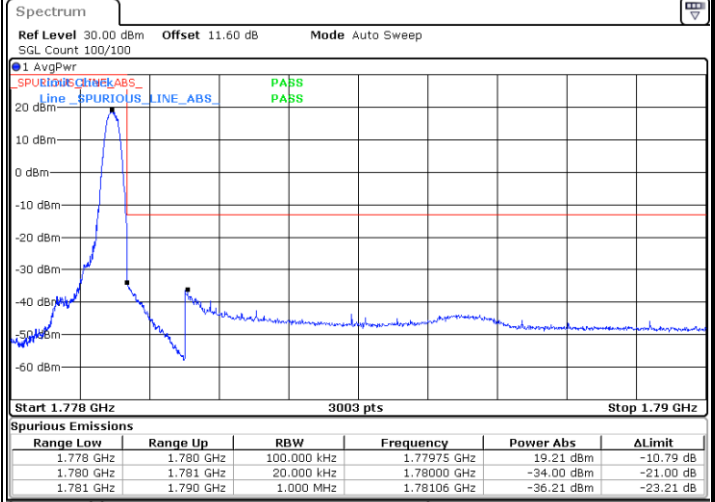
LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



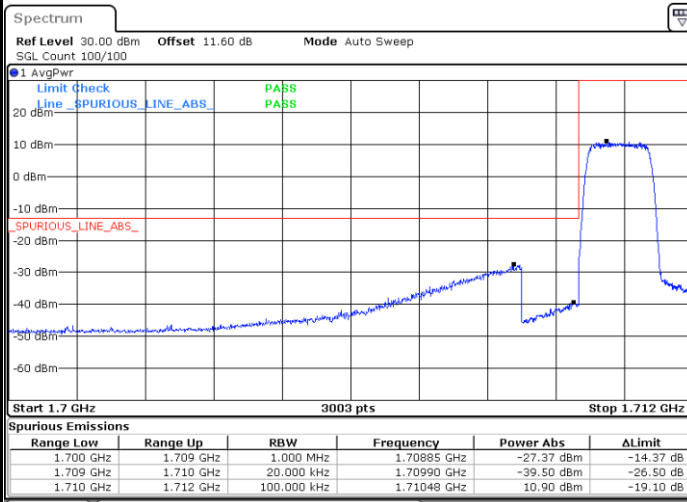
Date: 22.DEC.2021 15:37:37

Highest Band Edge / 1 RB



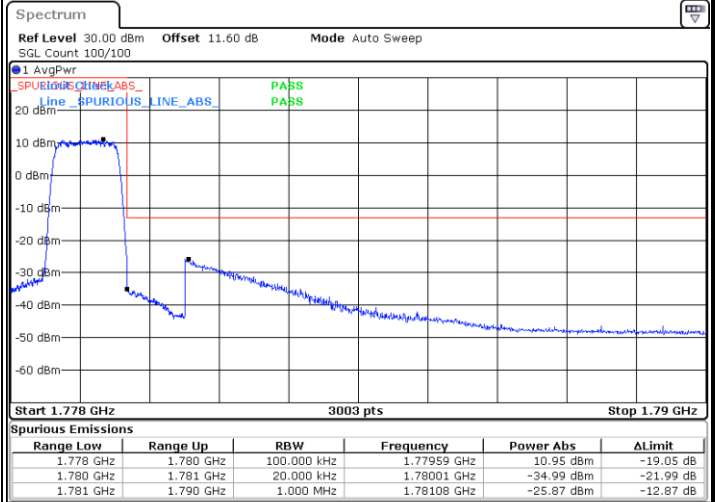
Date: 22.DEC.2021 15:39:10

Lowest Band Edge / Full RB



Date: 22.DEC.2021 15:38:02

Highest Band Edge / Full RB

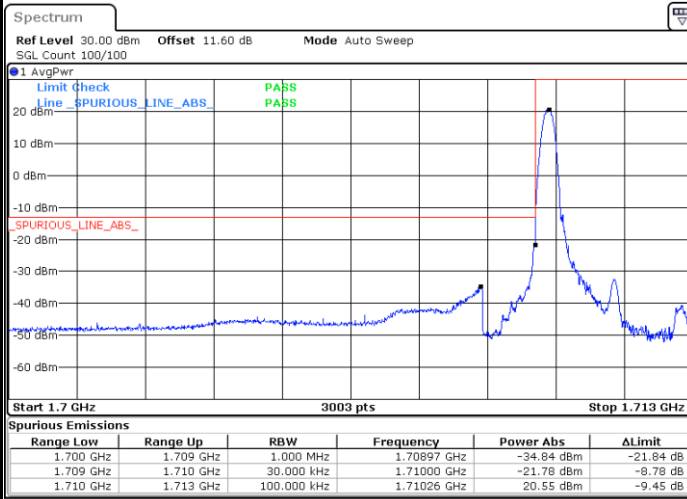


Date: 22.DEC.2021 15:39:36

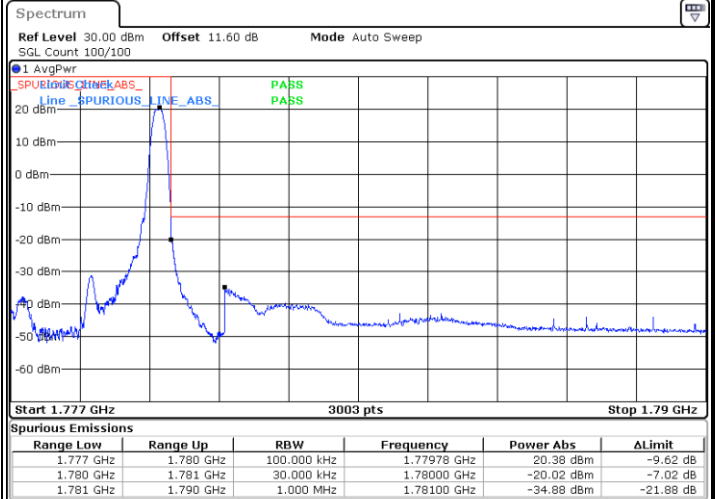


LTE Band 66 / 3MHz / QPSK

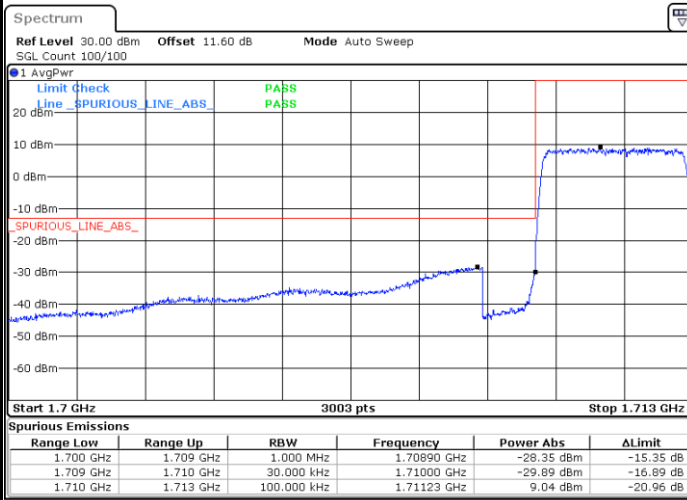
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



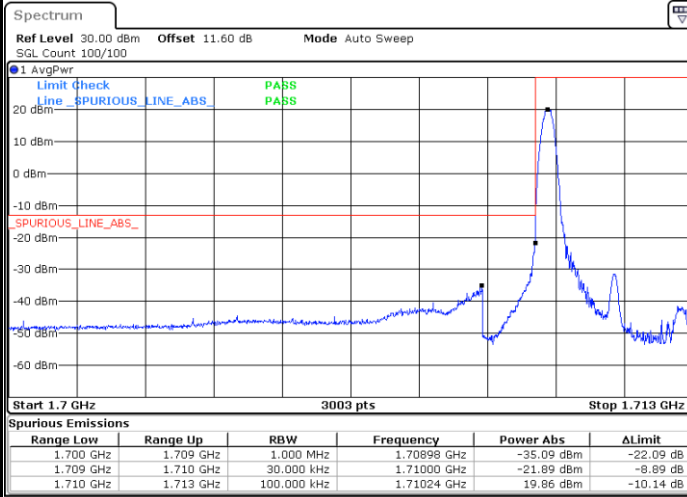
Highest Band Edge / Full RB





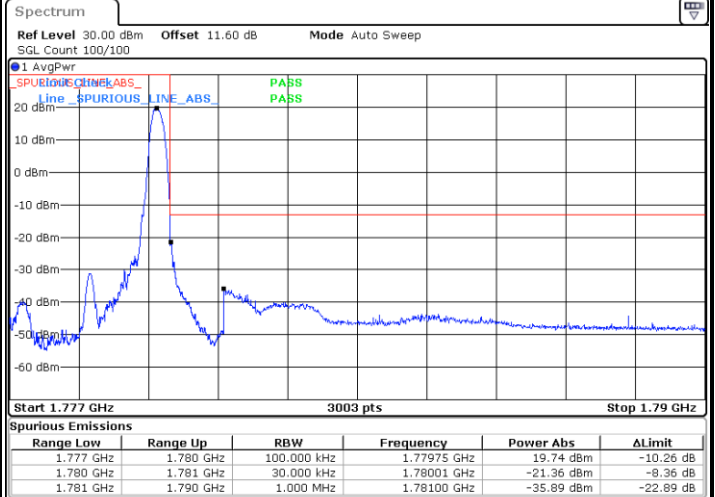
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



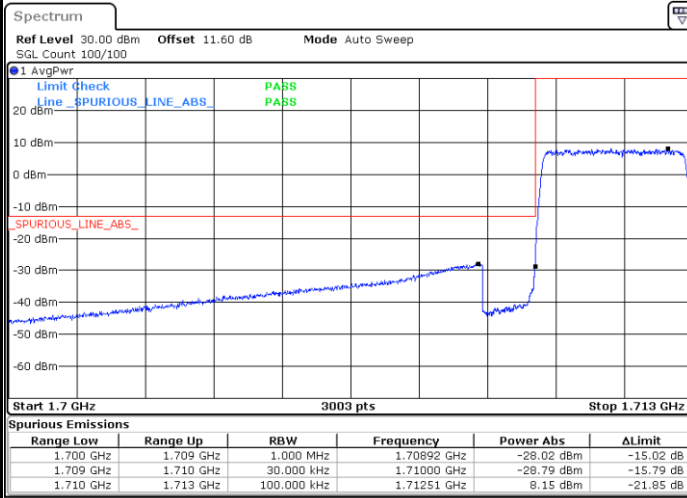
Date: 22.DEC.2021 15:40:27

Highest Band Edge / 1 RB



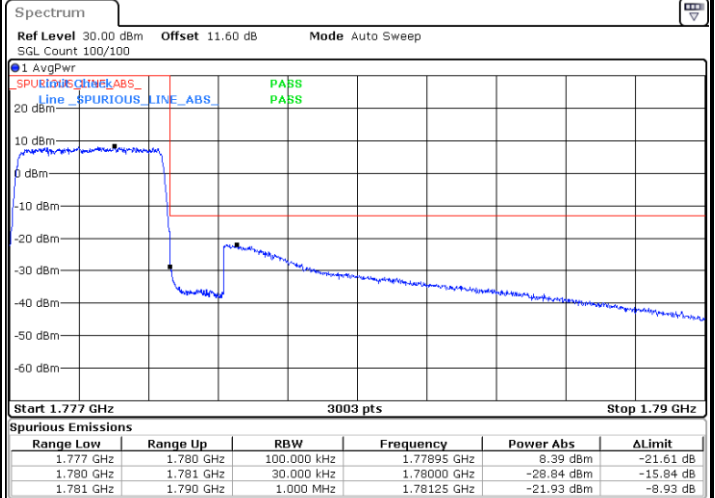
Date: 22.DEC.2021 15:46:29

Lowest Band Edge / Full RB



Date: 22.DEC.2021 15:41:19

Highest Band Edge / Full RB

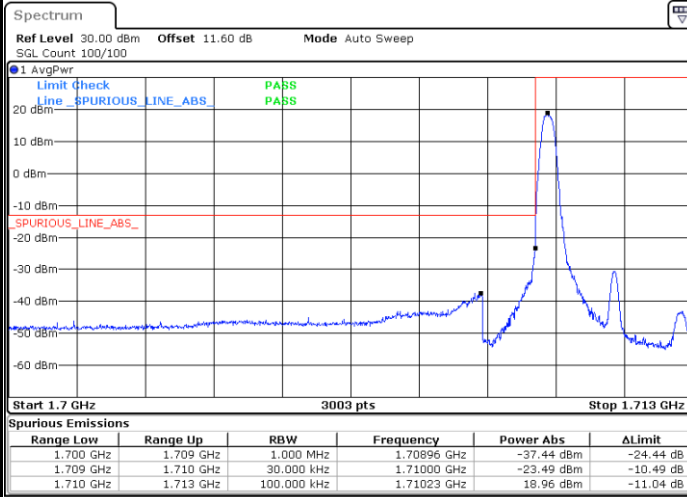


Date: 22.DEC.2021 15:47:20

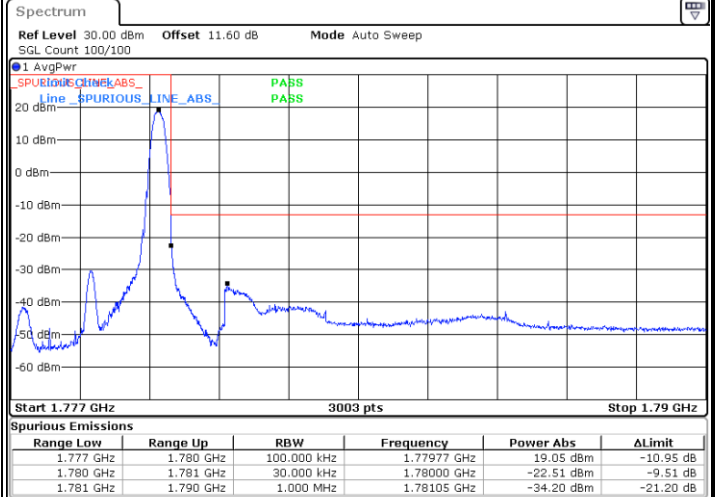


LTE Band 66 / 3MHz / 64QAM

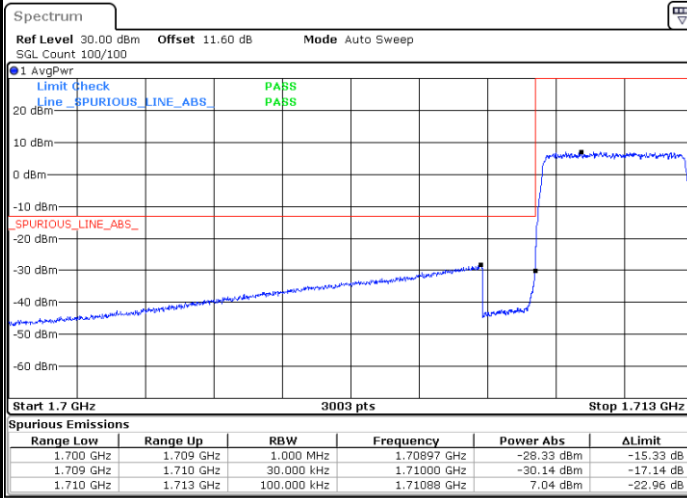
Lowest Band Edge / 1 RB



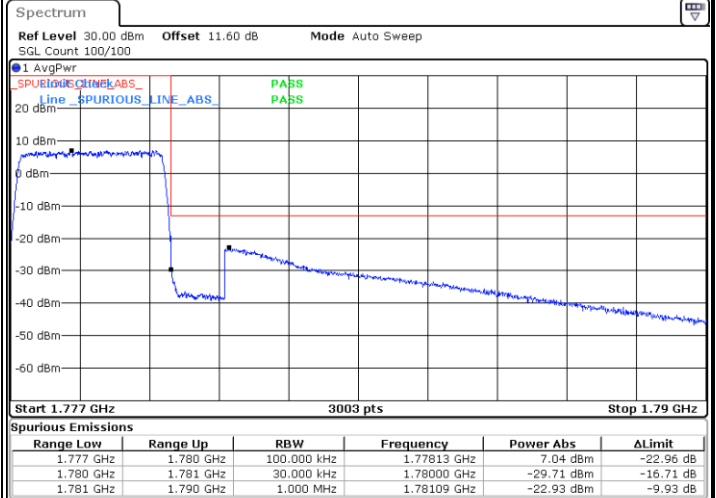
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



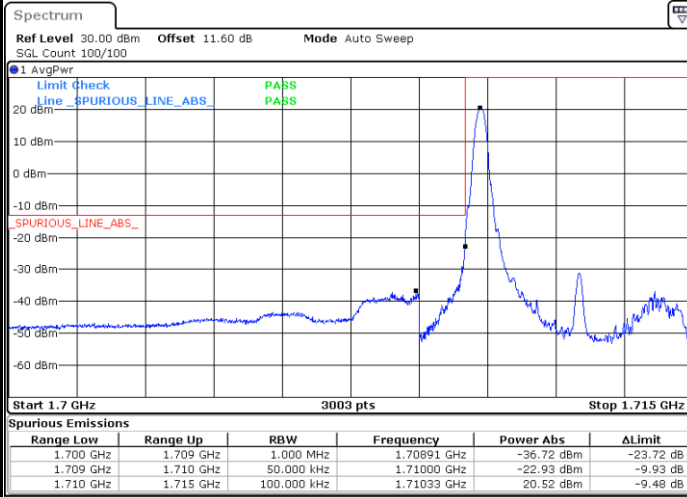
Highest Band Edge / Full RB





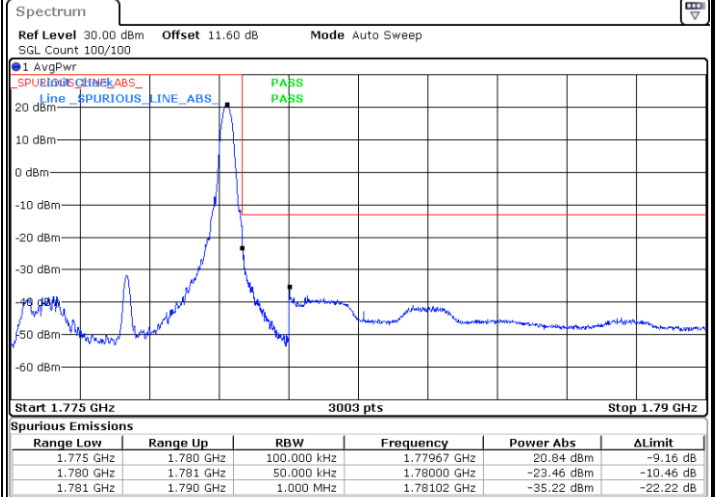
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1 RB



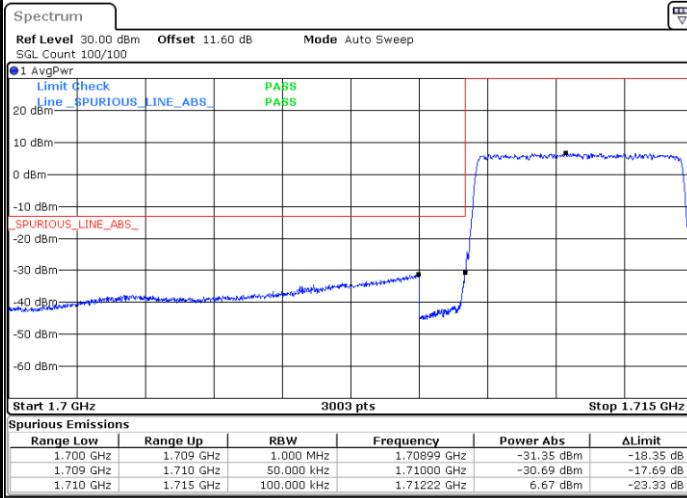
Date: 22.DEC.2021 15:53:24

Highest Band Edge / 1 RB



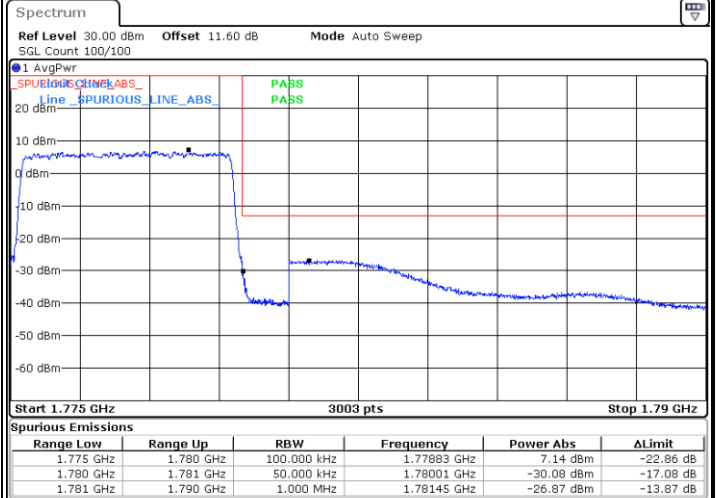
Date: 22.DEC.2021 15:59:14

Lowest Band Edge / Full RB



Date: 22.DEC.2021 15:54:15

Highest Band Edge / Full RB

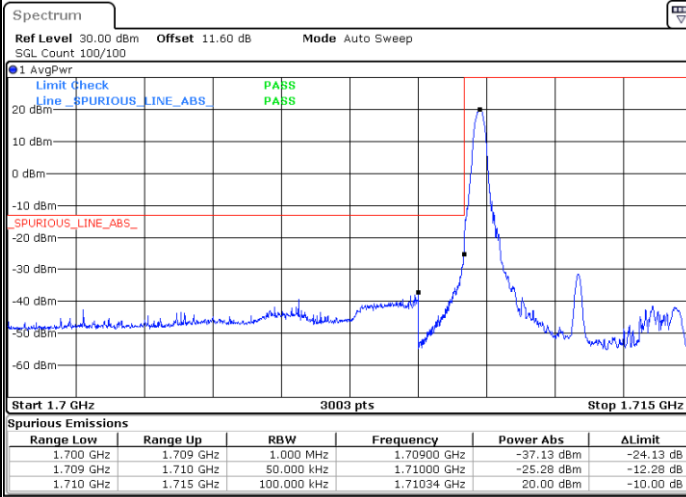


Date: 22.DEC.2021 16:00:04



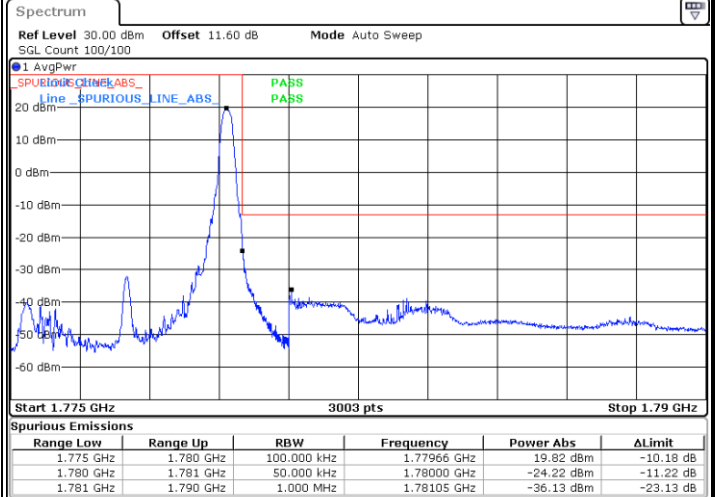
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



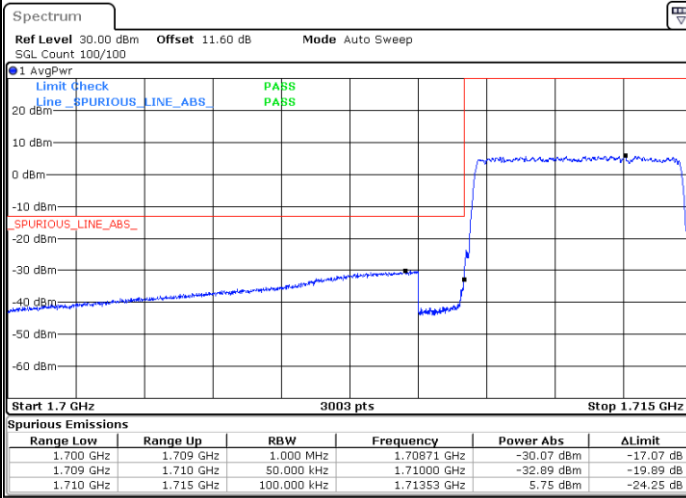
Date: 22.DEC.2021 15:53:49

Highest Band Edge / 1 RB



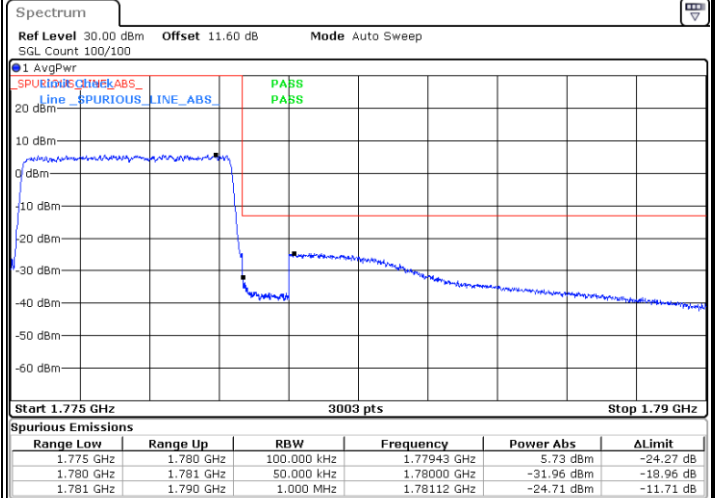
Date: 22.DEC.2021 15:59:39

Lowest Band Edge / Full RB



Date: 22.DEC.2021 15:54:41

Highest Band Edge / Full RB

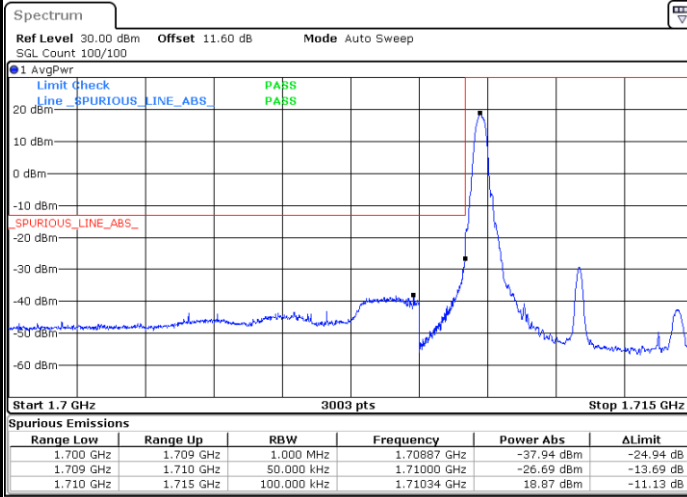


Date: 22.DEC.2021 16:00:29



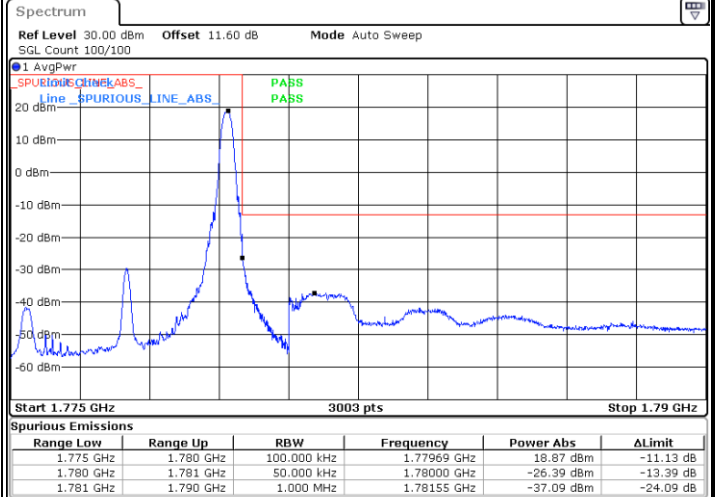
LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1RB



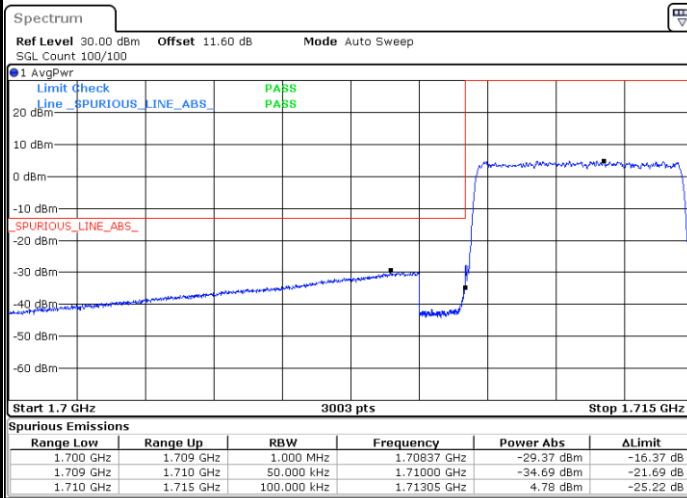
Date: 22.DEC.2021 15:51:00

Highest Band Edge / 1 RB



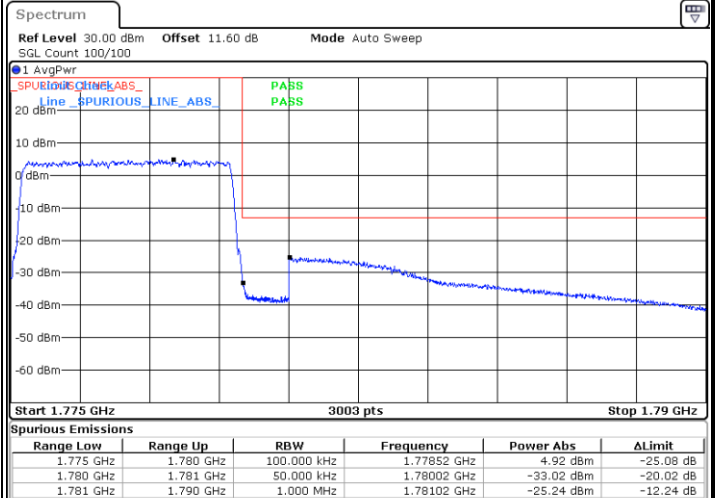
Date: 22.DEC.2021 15:52:33

Lowest Band Edge / Full RB



Date: 22.DEC.2021 15:51:25

Highest Band Edge / Full RB

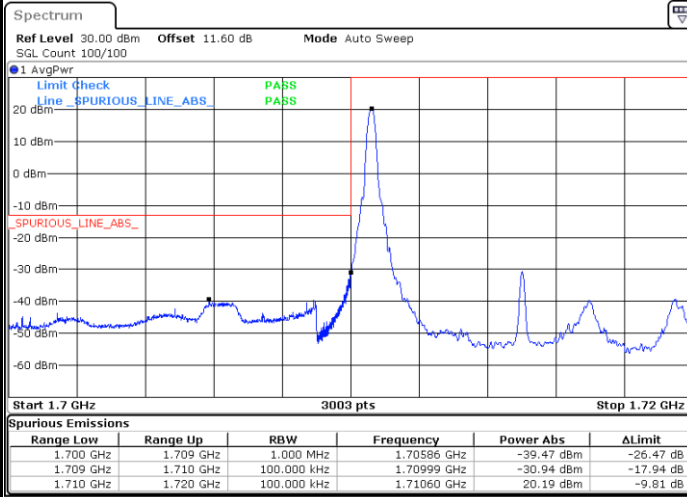


Date: 22.DEC.2021 15:52:59



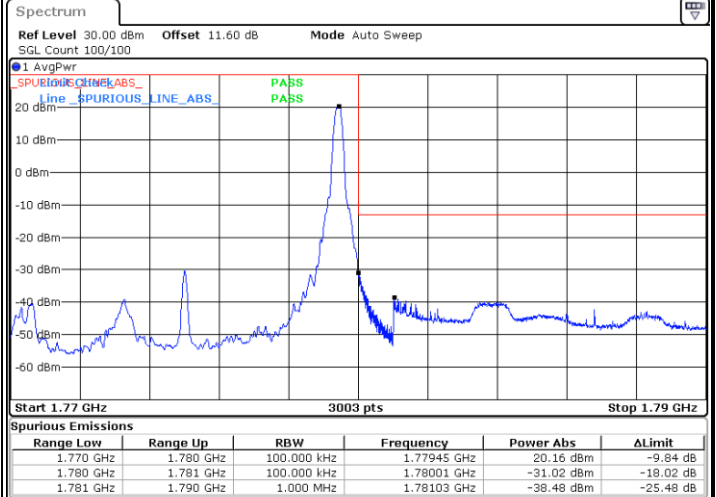
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



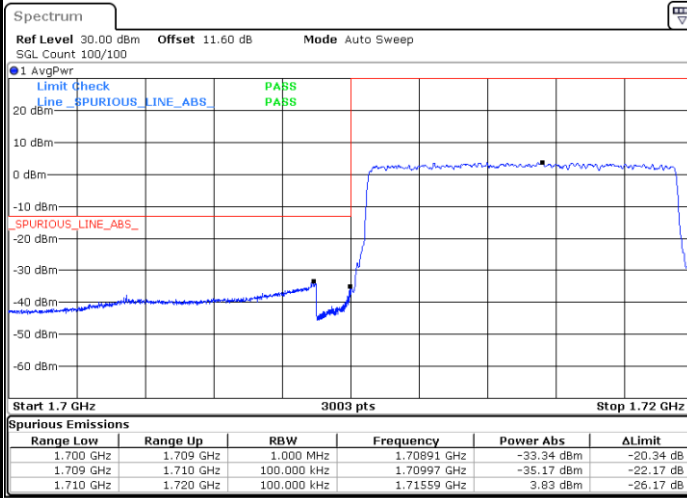
Date: 22.DEC.2021 16:02:06

Highest Band Edge / 1 RB



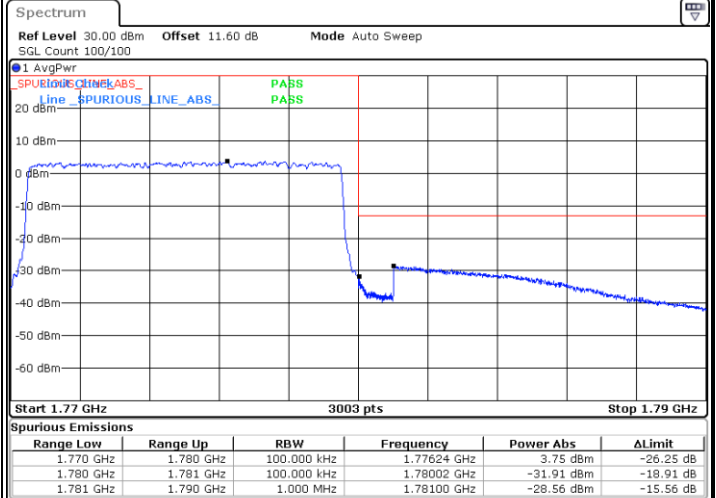
Date: 22.DEC.2021 16:34:53

Lowest Band Edge / Full RB



Date: 22.DEC.2021 16:02:57

Highest Band Edge / Full RB

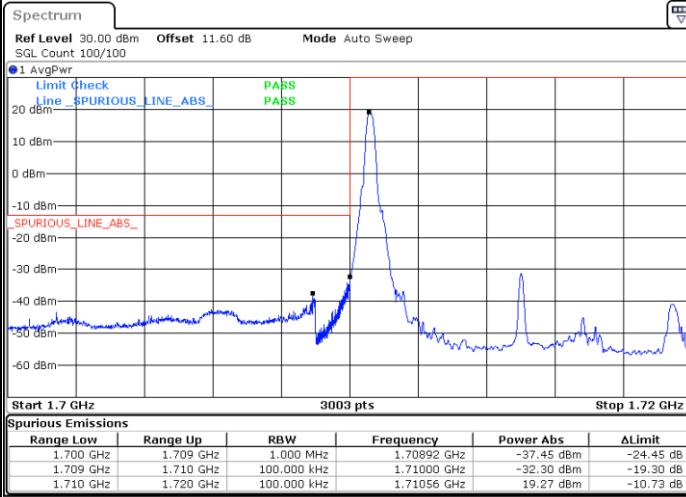


Date: 22.DEC.2021 16:35:44



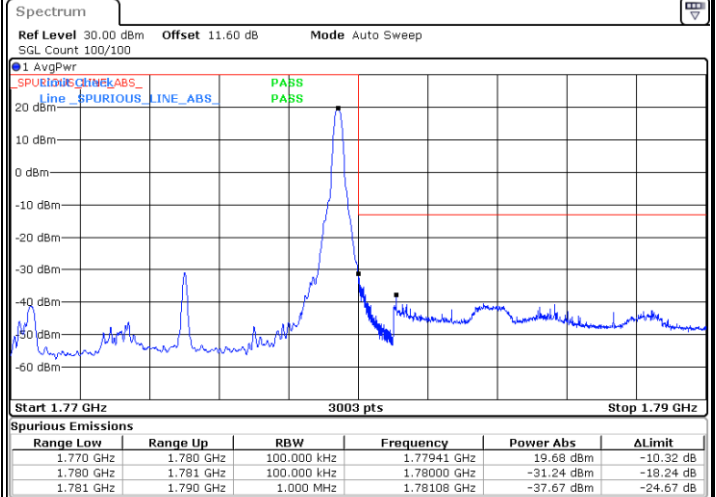
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



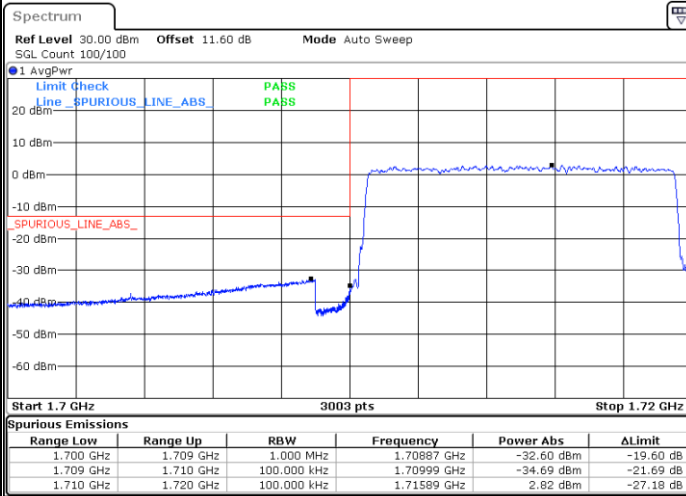
Date: 22.DEC.2021 16:02:32

Highest Band Edge / 1 RB



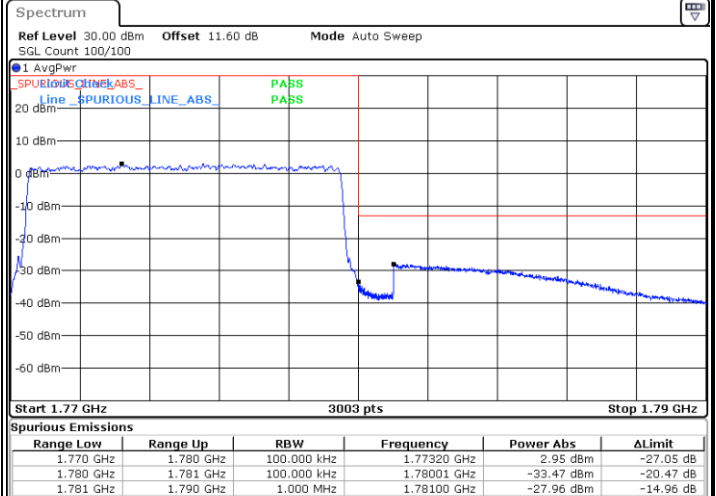
Date: 22.DEC.2021 16:35:18

Lowest Band Edge / Full RB



Date: 22.DEC.2021 16:31:22

Highest Band Edge / Full RB

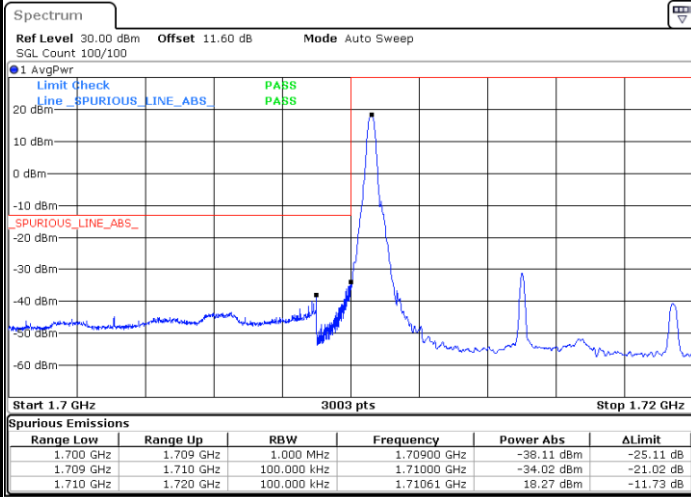


Date: 22.DEC.2021 16:36:09



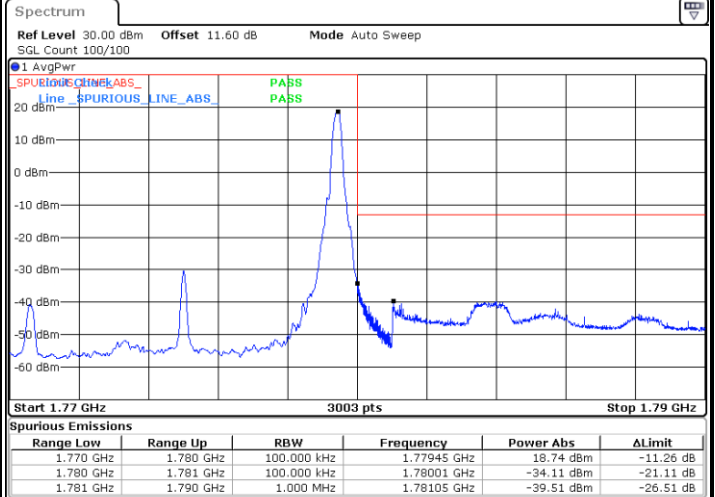
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



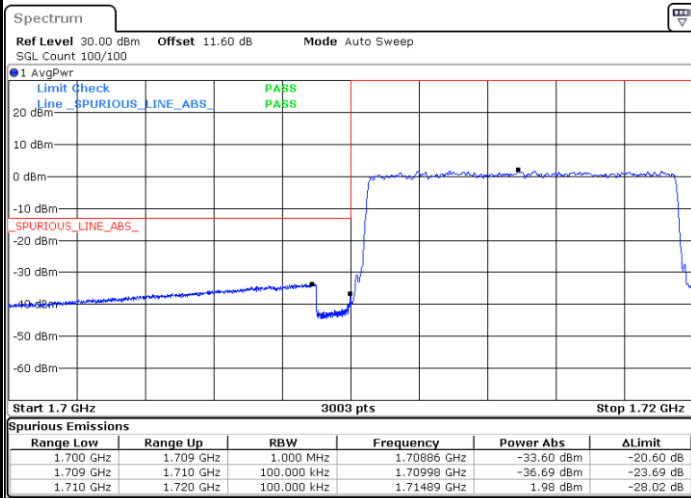
Date: 22.DEC.2021 16:37:24

Highest Band Edge / 1 RB



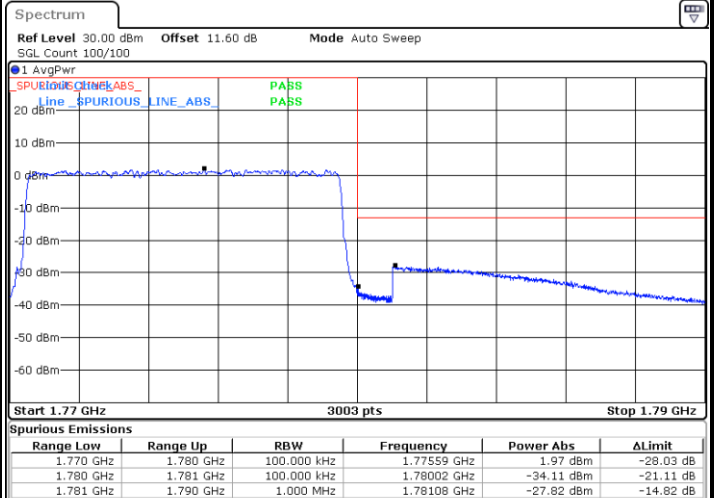
Date: 22.DEC.2021 16:48:06

Lowest Band Edge / Full RB



Date: 22.DEC.2021 16:37:49

Highest Band Edge / Full RB

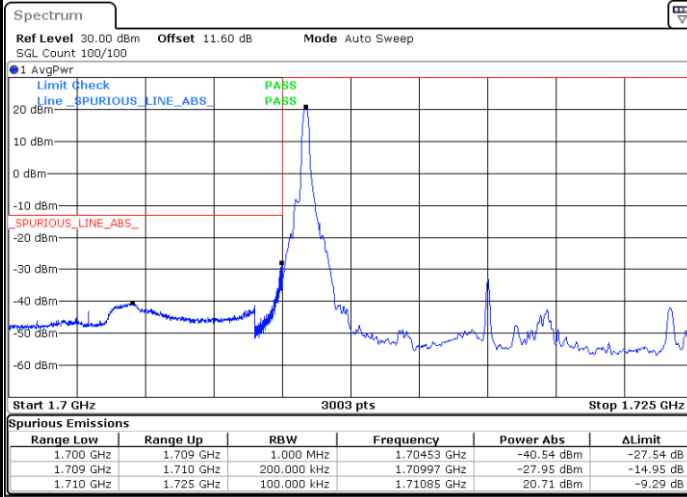


Date: 22.DEC.2021 16:48:32



LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



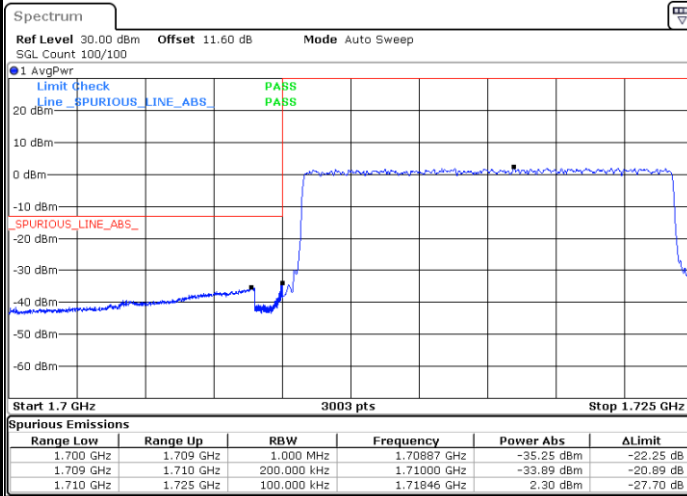
Date: 22.DEC.2021 16:51:21

Highest Band Edge / 1 RB



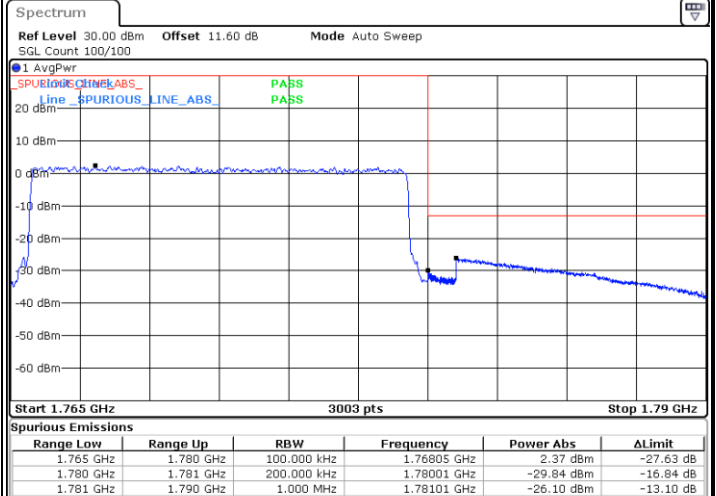
Date: 22.DEC.2021 16:59:20

Lowest Band Edge / Full RB



Date: 22.DEC.2021 16:55:24

Highest Band Edge / Full RB

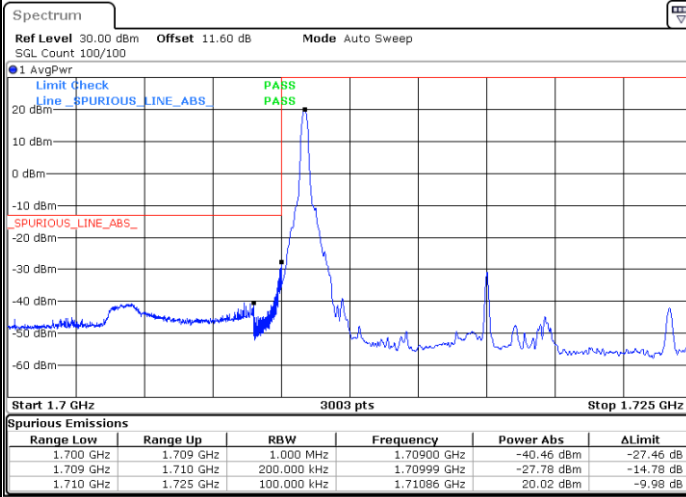


Date: 22.DEC.2021 17:00:11



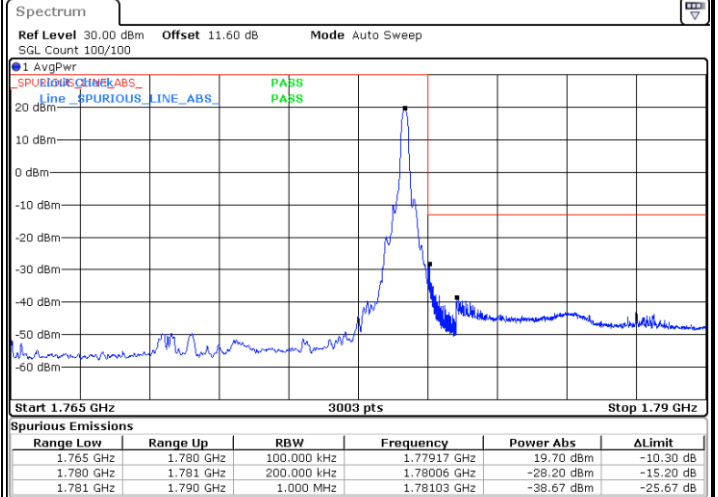
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



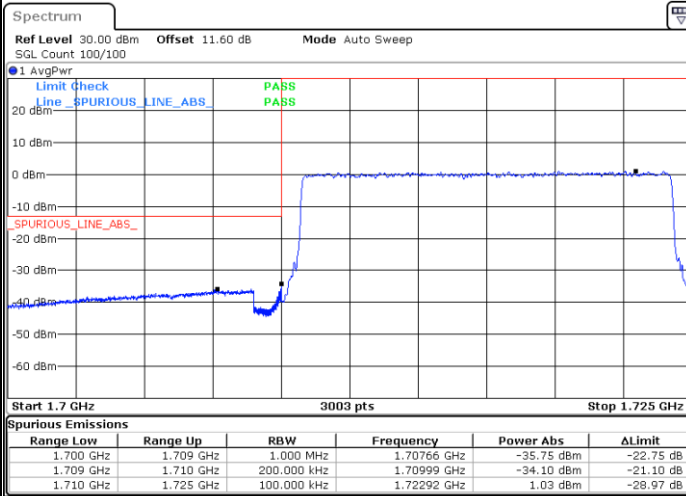
Date: 22.DEC.2021 16:53:02

Highest Band Edge / 1 RB



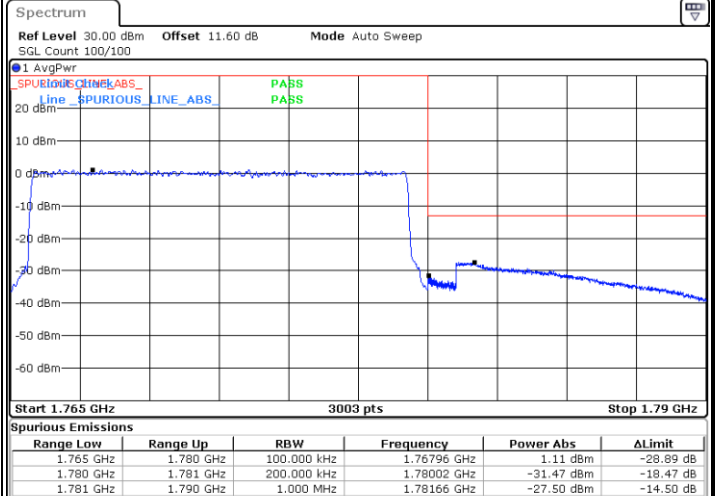
Date: 22.DEC.2021 16:59:45

Lowest Band Edge / Full RB



Date: 22.DEC.2021 16:55:49

Highest Band Edge / Full RB

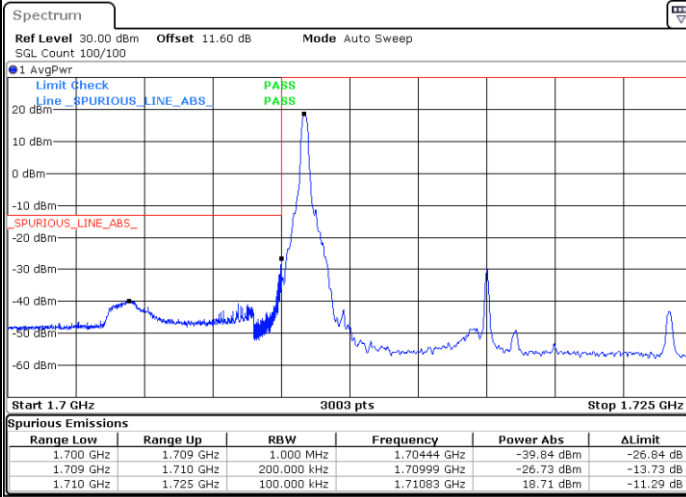


Date: 22.DEC.2021 17:00:36



LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



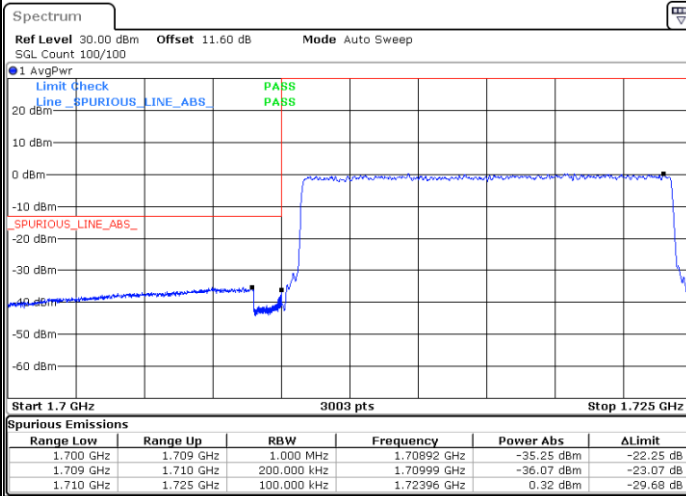
Date: 22.DEC.2021 16:48:57

Highest Band Edge / 1 RB



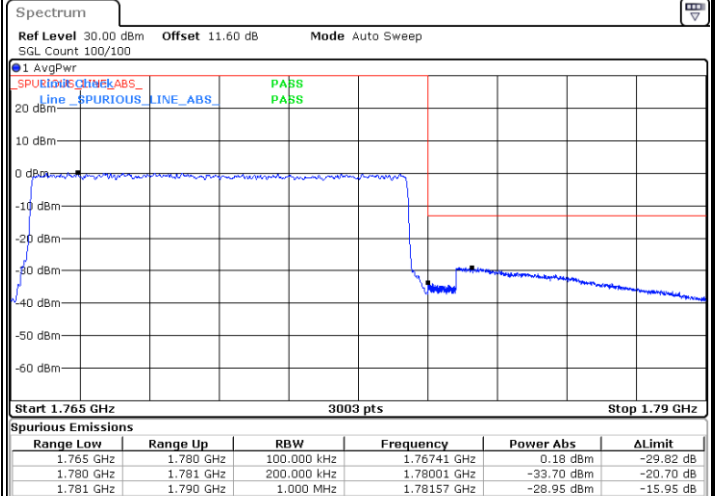
Date: 22.DEC.2021 16:50:31

Lowest Band Edge / Full RB



Date: 22.DEC.2021 16:49:23

Highest Band Edge / Full RB

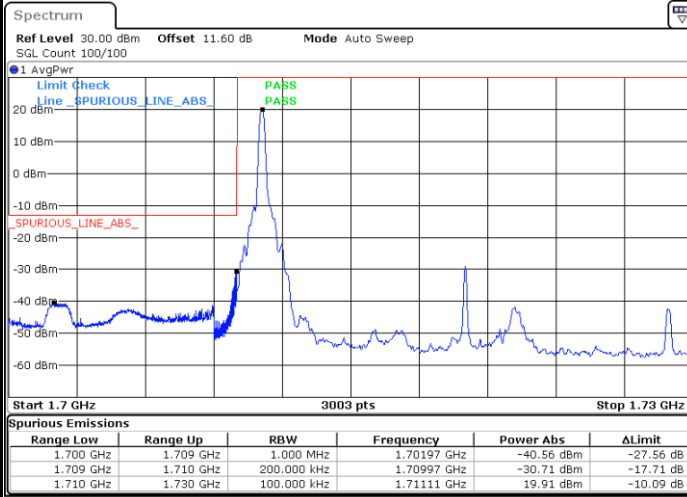


Date: 22.DEC.2021 16:50:56



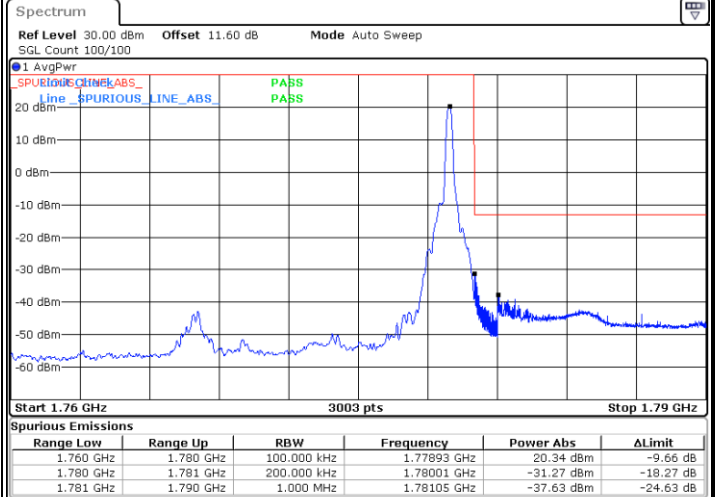
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



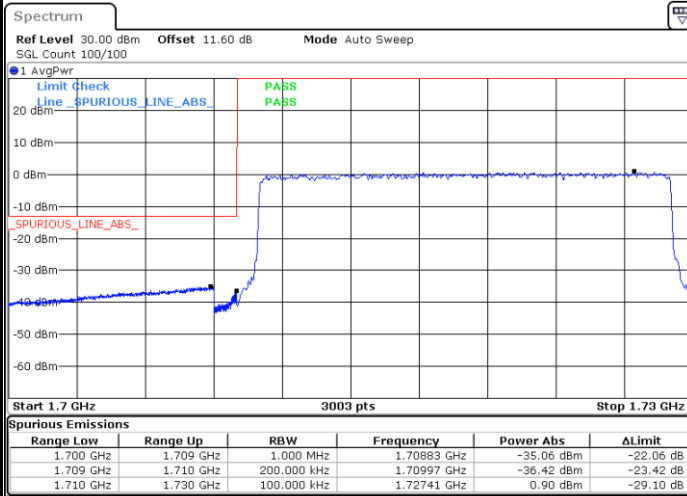
Date: 22.DEC.2021 17:02:13

Highest Band Edge / 1 RB



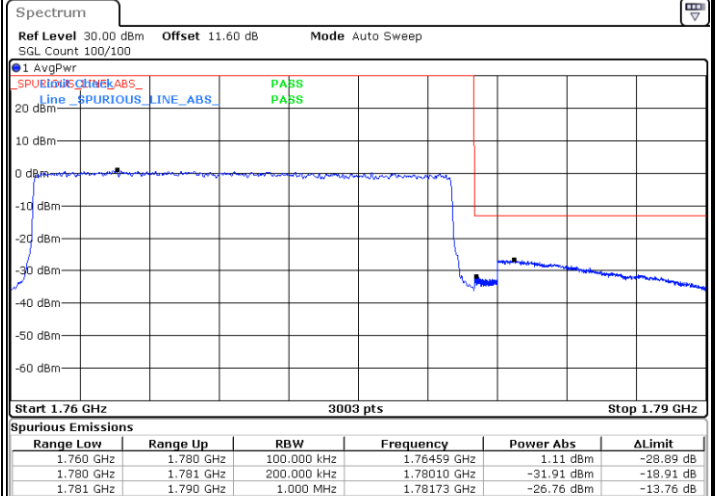
Date: 22.DEC.2021 17:08:37

Lowest Band Edge / Full RB



Date: 22.DEC.2021 17:03:03

Highest Band Edge / Full RB

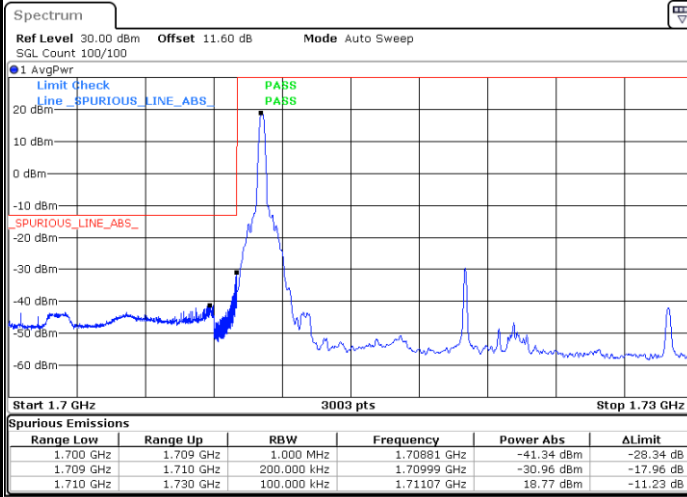


Date: 22.DEC.2021 17:09:28



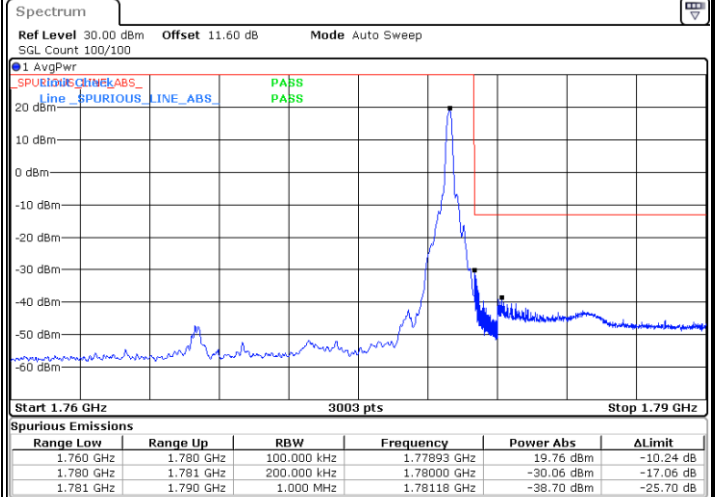
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



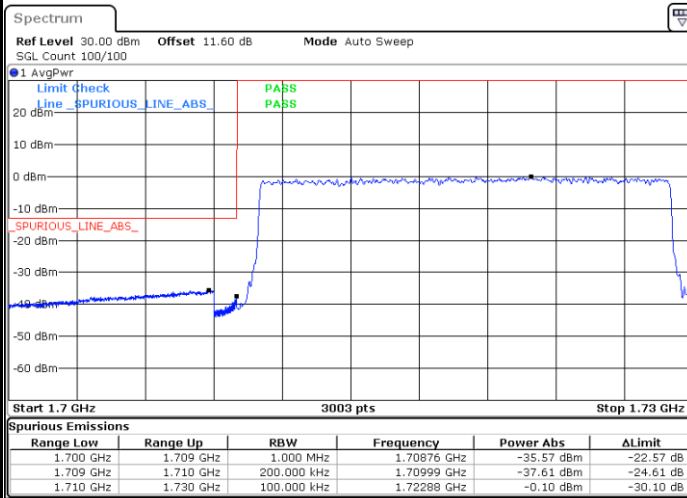
Date: 22.DEC.2021 17:02:38

Highest Band Edge / 1 RB



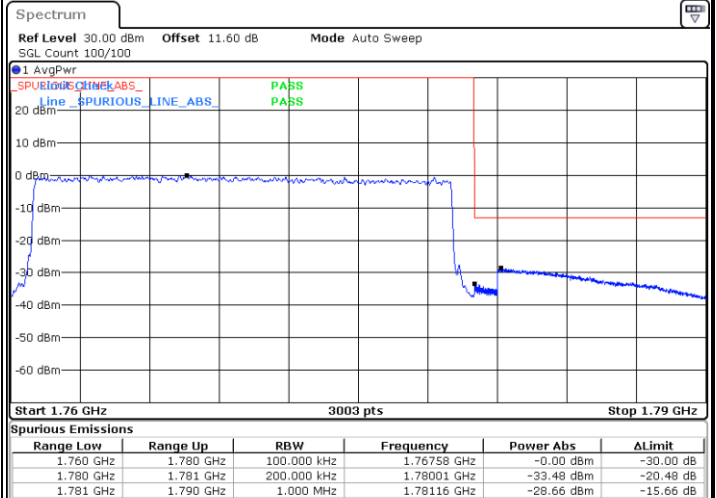
Date: 22.DEC.2021 17:09:02

Lowest Band Edge / Full RB



Date: 22.DEC.2021 17:03:28

Highest Band Edge / Full RB

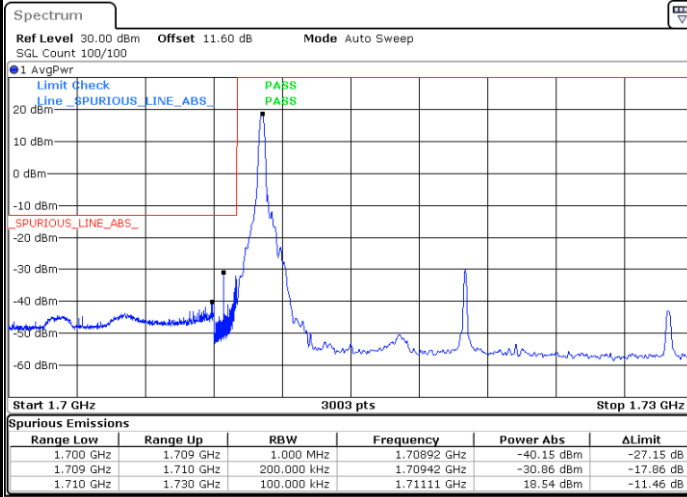


Date: 22.DEC.2021 17:09:53



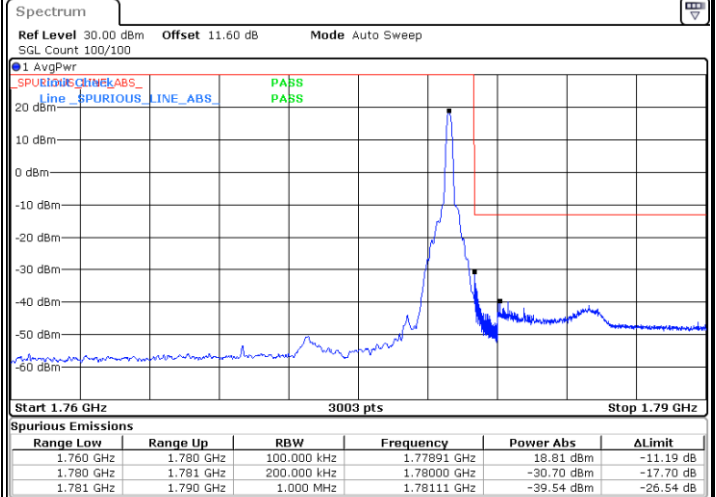
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



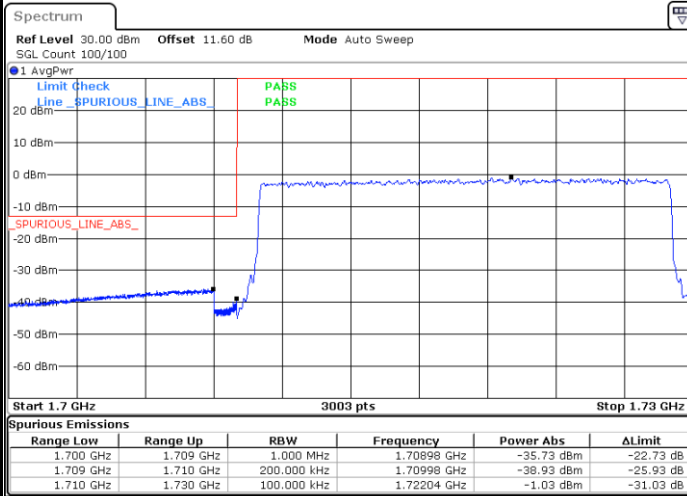
Date: 22.DEC.2021 17:11:08

Highest Band Edge / 1 RB



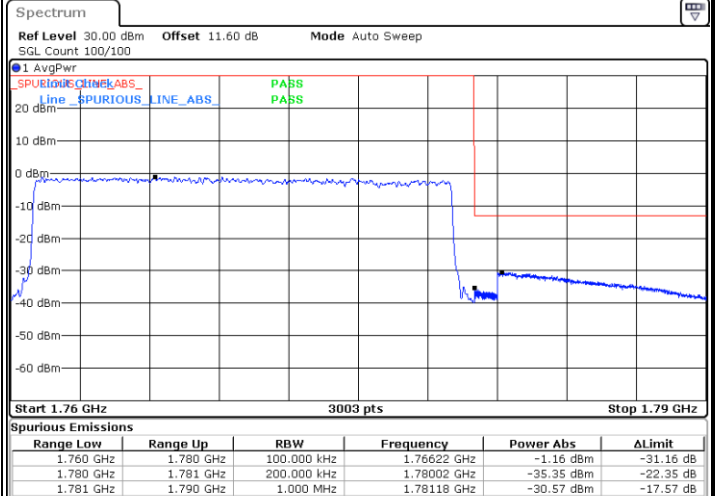
Date: 22.DEC.2021 17:12:42

Lowest Band Edge / Full RB



Date: 22.DEC.2021 17:11:33

Highest Band Edge / Full RB



Date: 22.DEC.2021 17:13:07

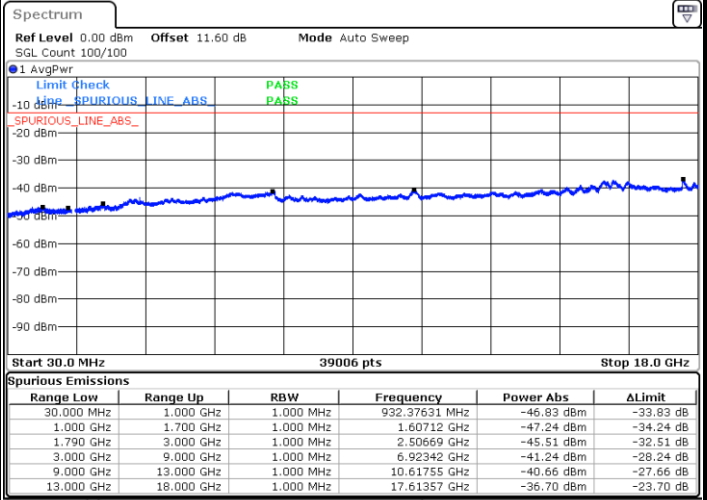
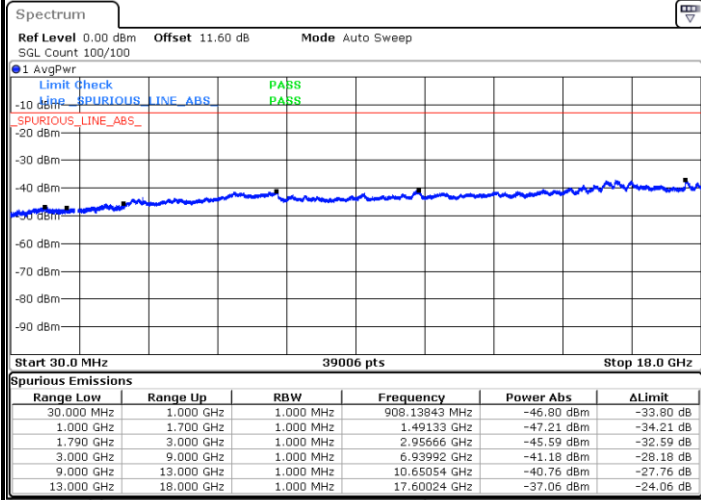


Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

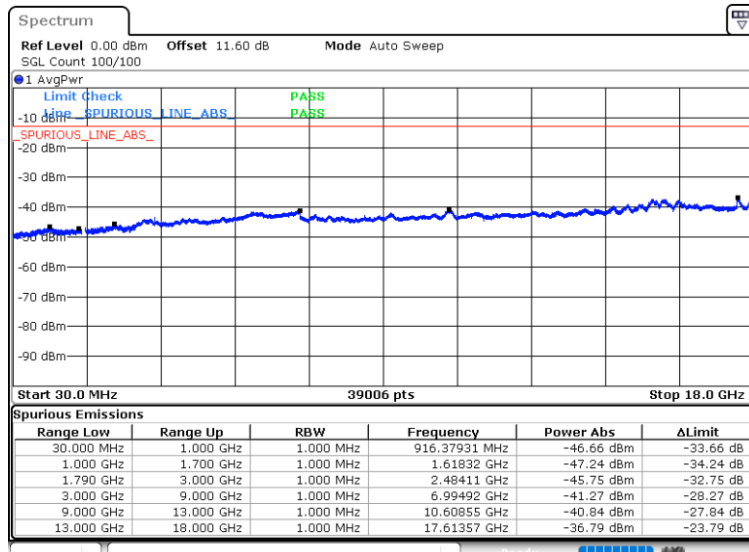
Middle Channel / QPSK



Date: 22.DEC.2021 15:32:25

Date: 22.DEC.2021 15:34:40

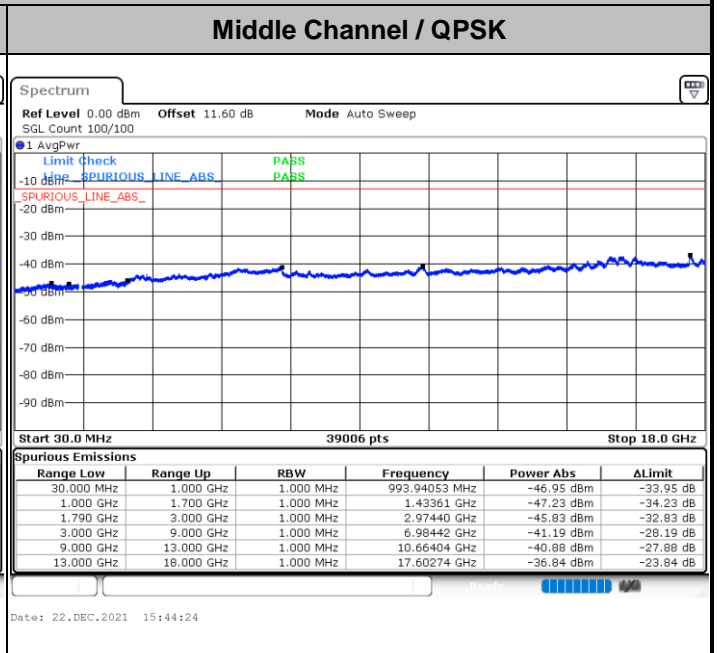
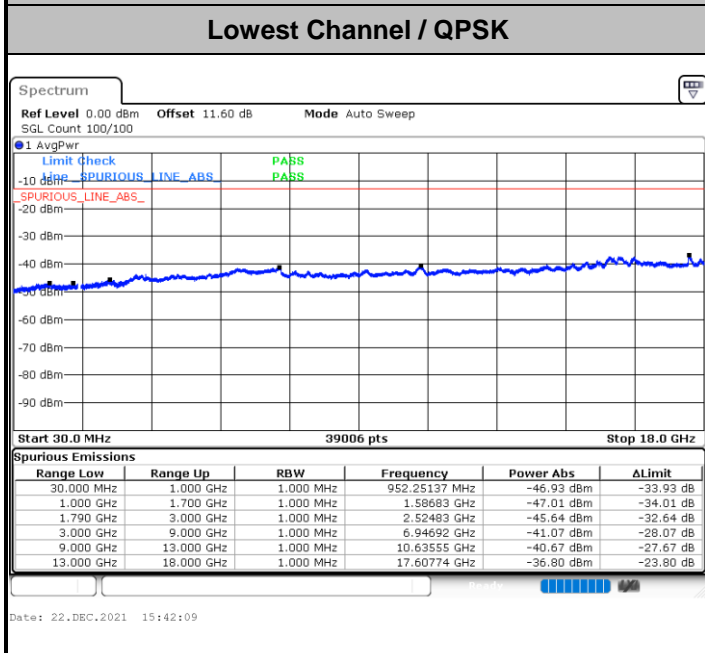
Highest Channel / QPSK



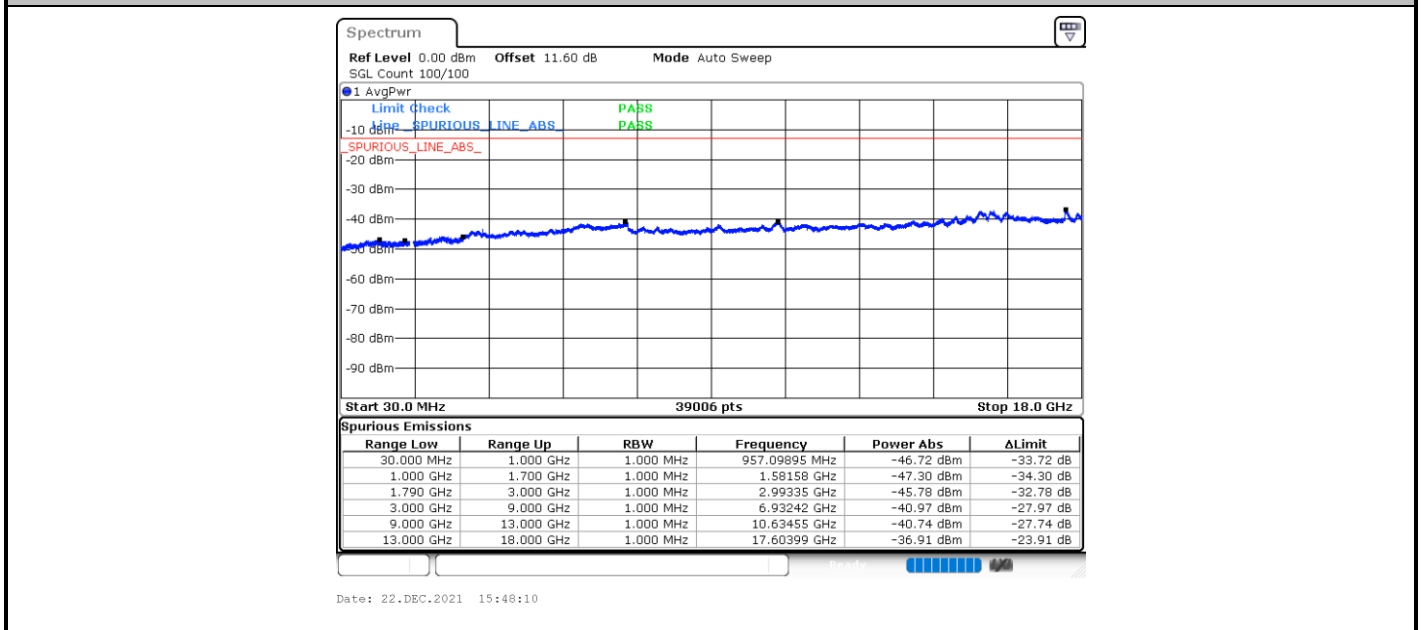
Date: 22.DEC.2021 15:37:11



LTE Band 66 / 3MHz

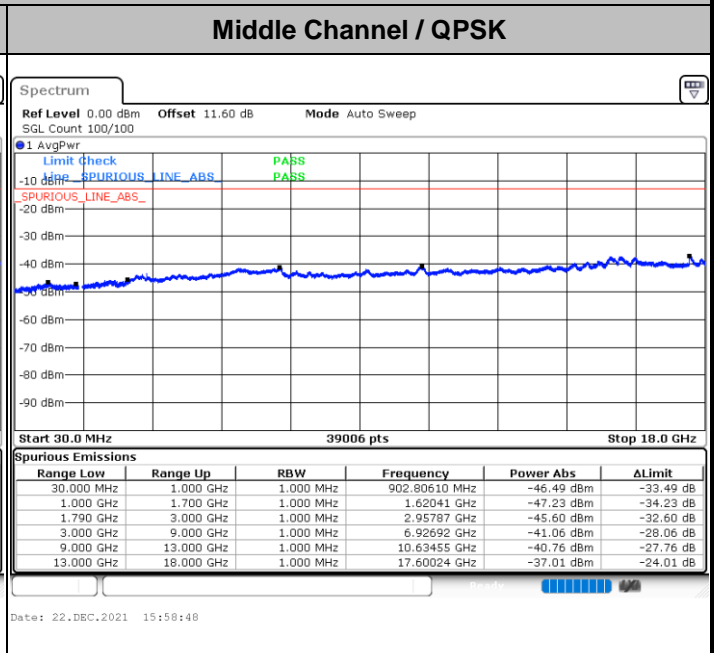
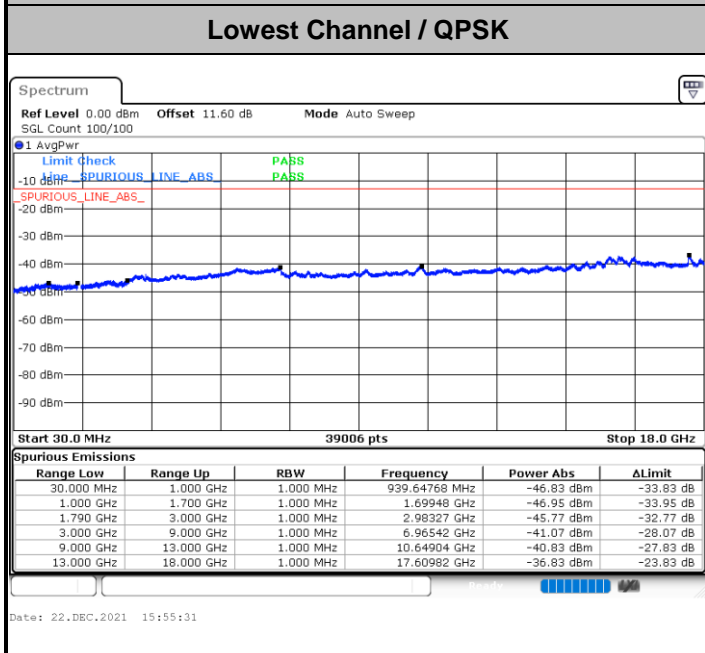


Highest Channel / QPSK

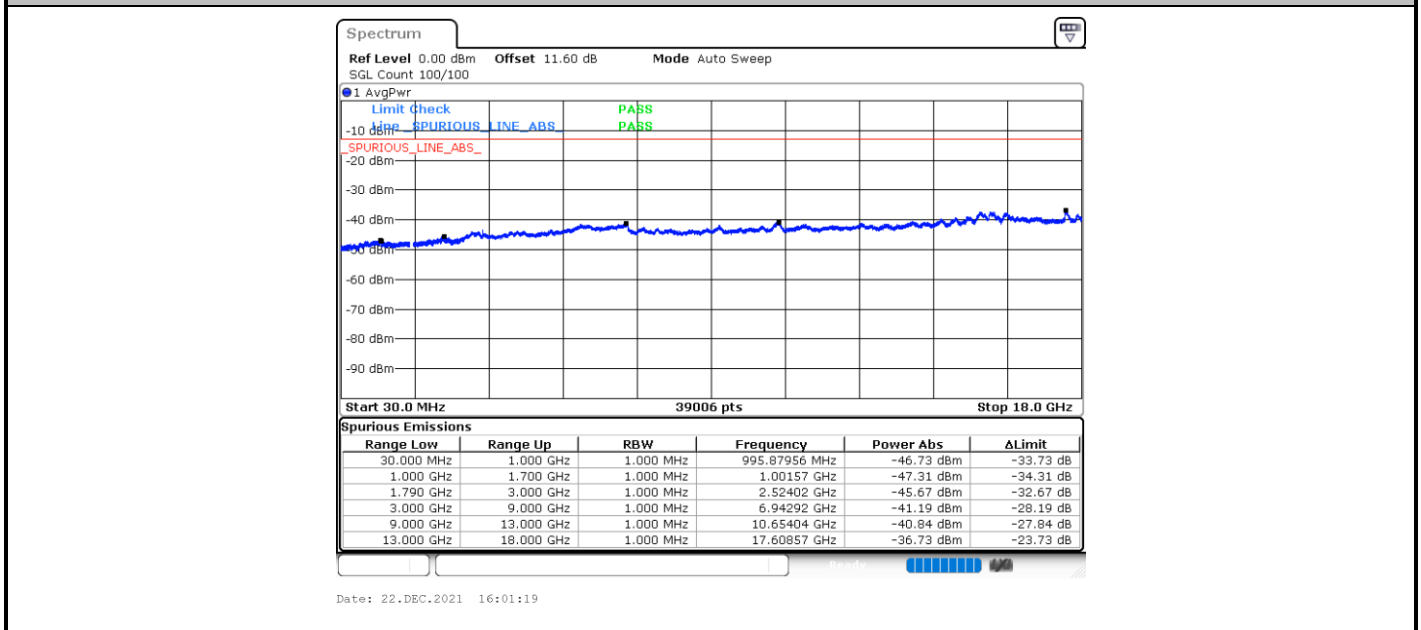




LTE Band 66 / 5MHz



Highest Channel / QPSK

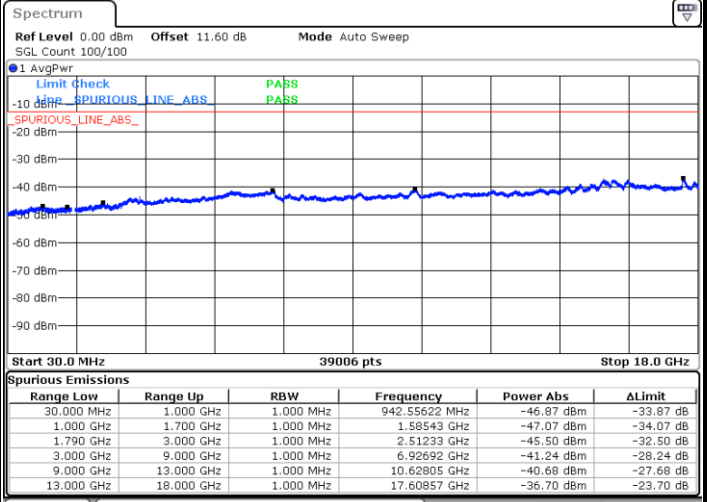
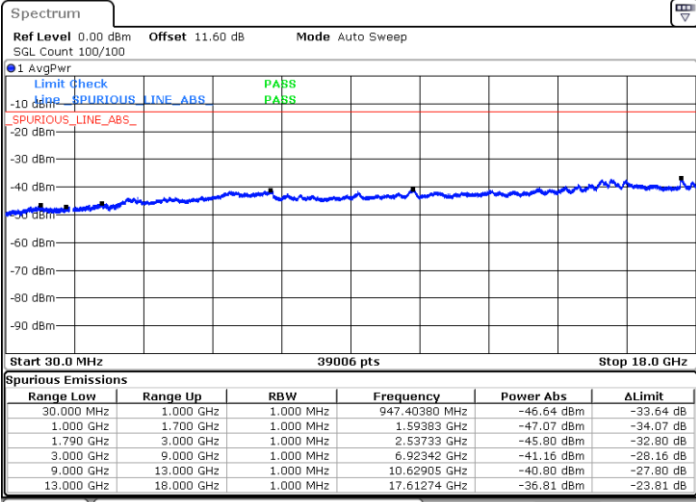




LTE Band 66 / 10MHz

Lowest Channel / QPSK

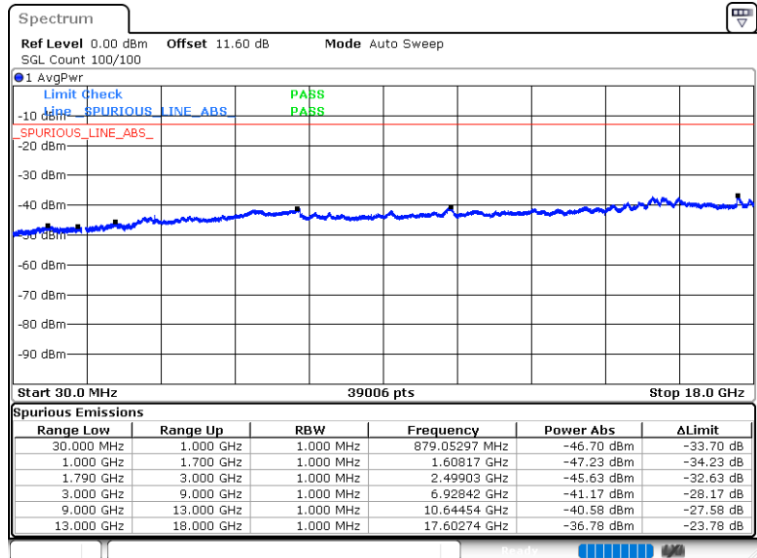
Middle Channel / QPSK



Date: 22.DEC.2021 16:32:12

Date: 22.DEC.2021 16:34:28

Highest Channel / QPSK



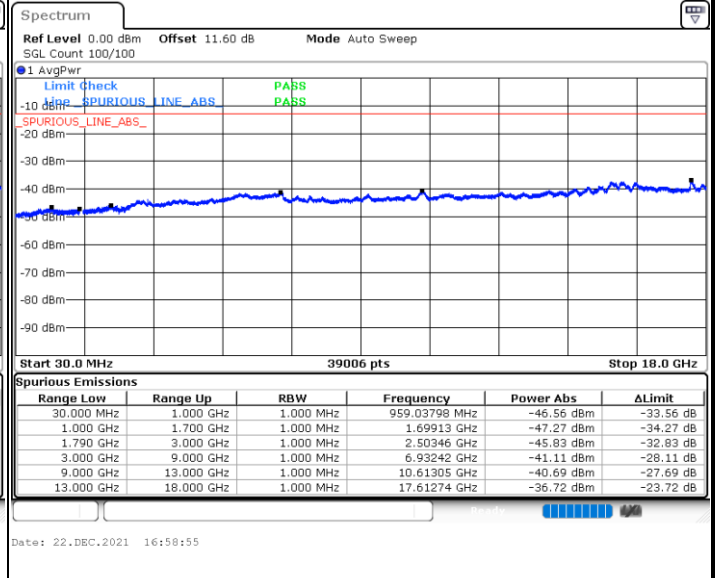
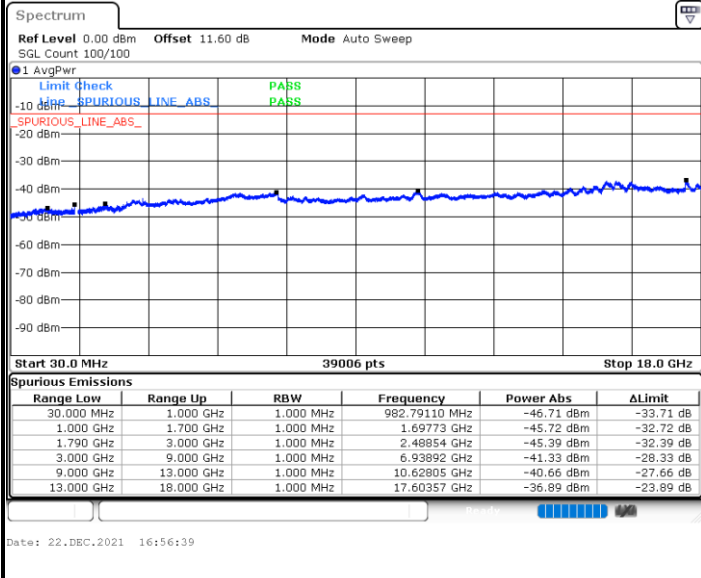
Date: 22.DEC.2021 16:36:59



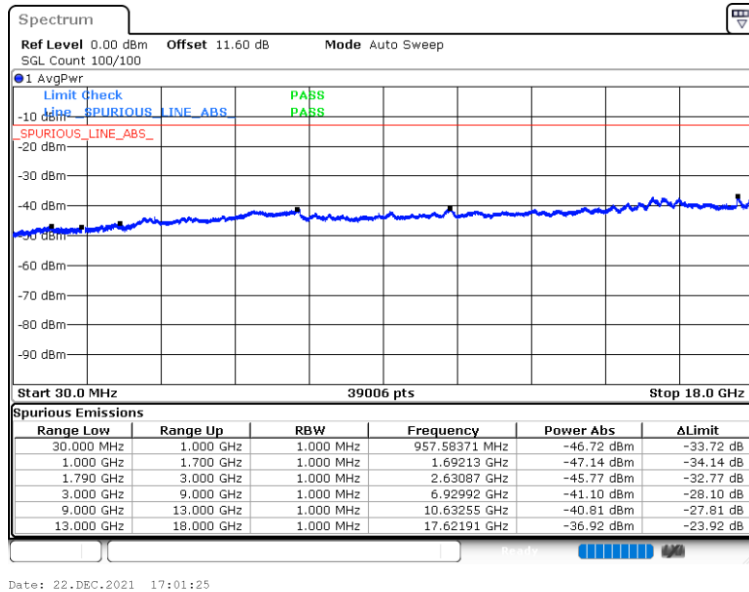
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

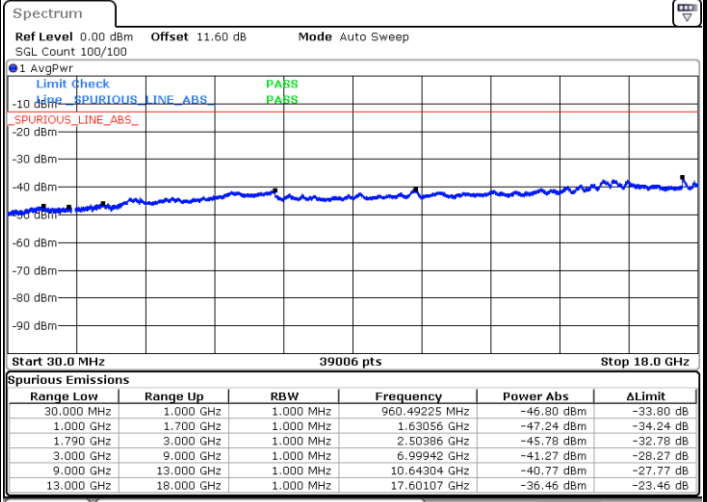
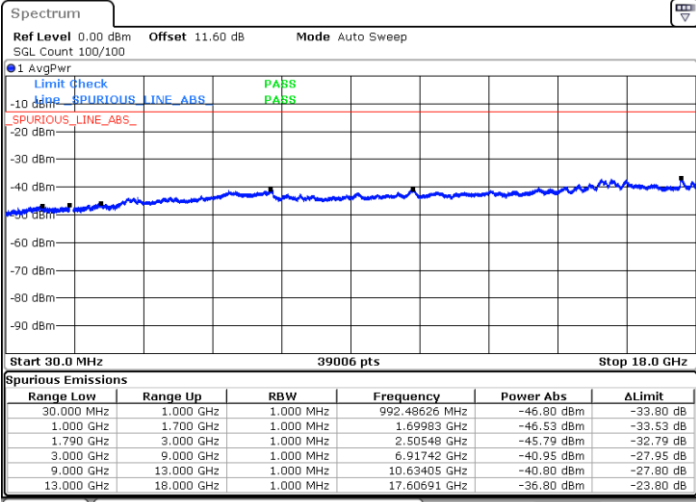




LTE Band 66 / 20MHz

Lowest Channel / QPSK

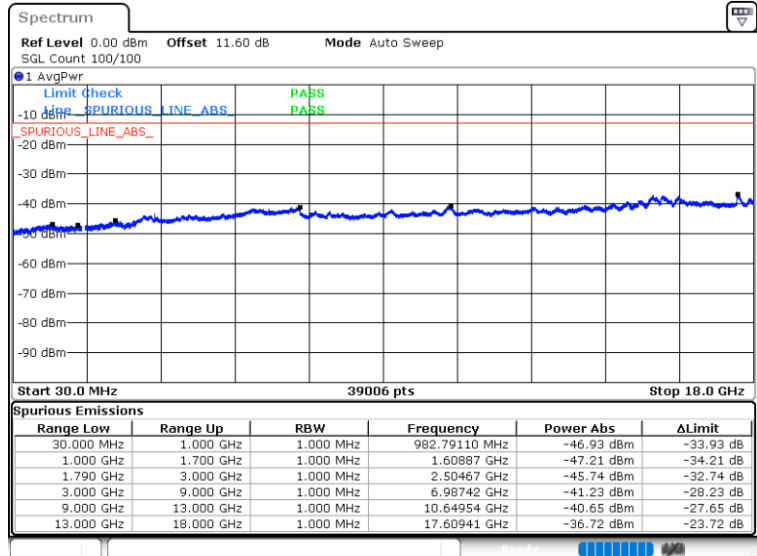
Middle Channel / QPSK



Date: 22.DEC.2021 17:04:18

Date: 22.DEC.2021 17:08:12

Highest Channel / QPSK



Date: 22.DEC.2021 17:10:43



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0045	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0065	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

- 1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.99	5.94	6.41	PASS