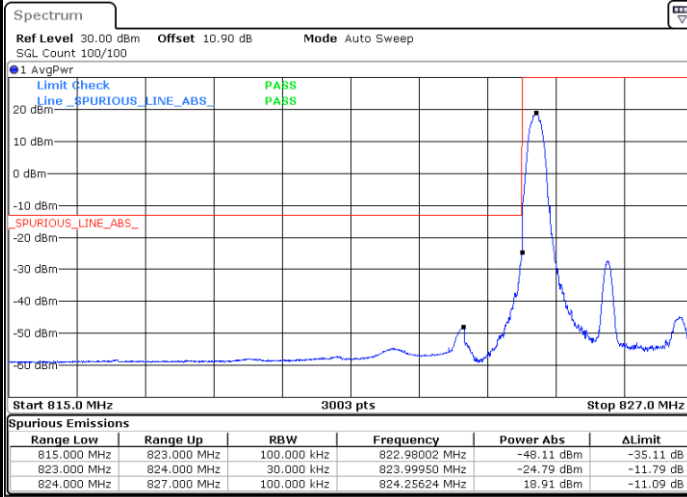




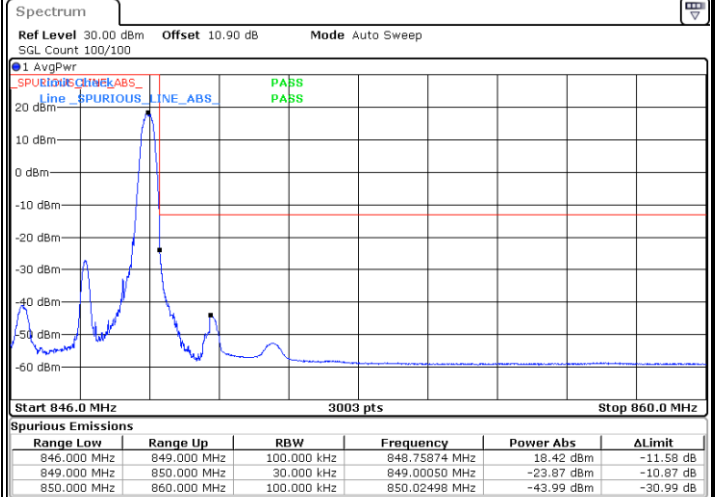
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



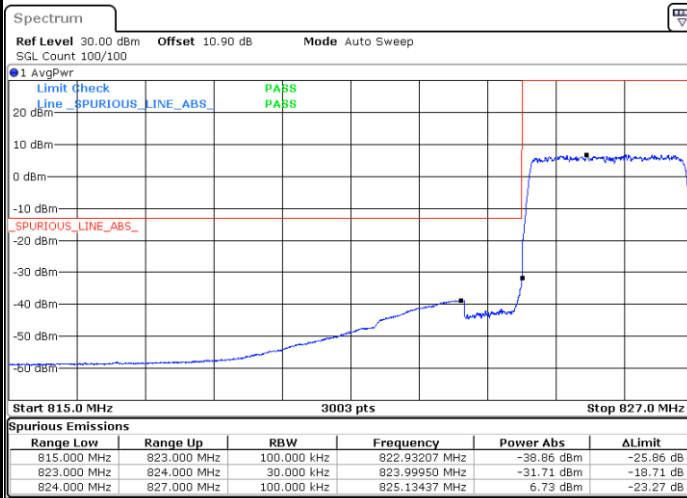
Date: 21.DEC.2021 10:44:33

Highest Band Edge / 1 RB



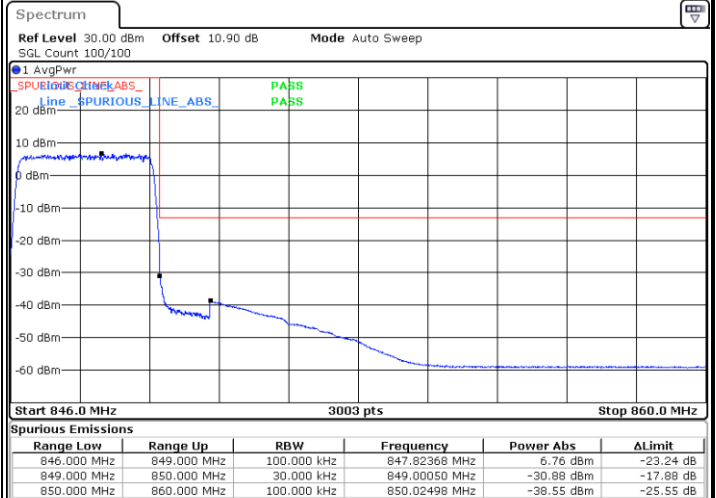
Date: 21.DEC.2021 10:48:55

Lowest Band Edge / Full RB



Date: 21.DEC.2021 10:46:23

Highest Band Edge / Full RB

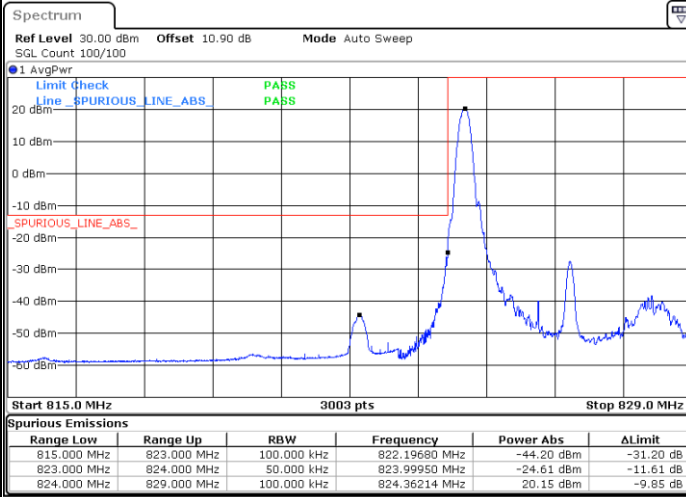


Date: 21.DEC.2021 10:50:45



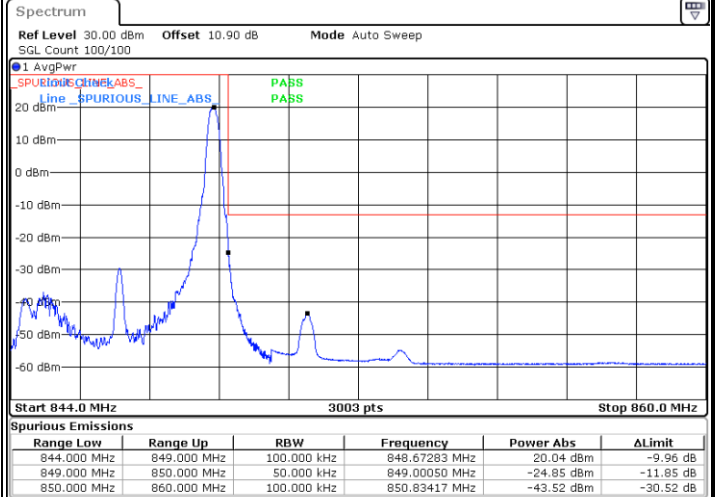
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



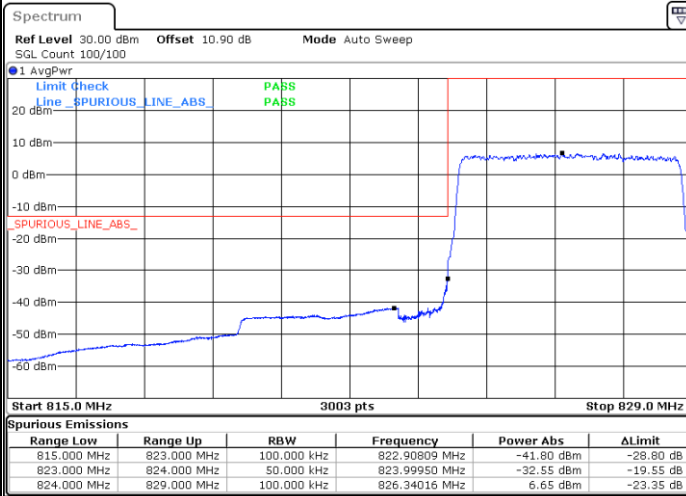
Date: 21.DEC.2021 10:52:36

Highest Band Edge / 1 RB



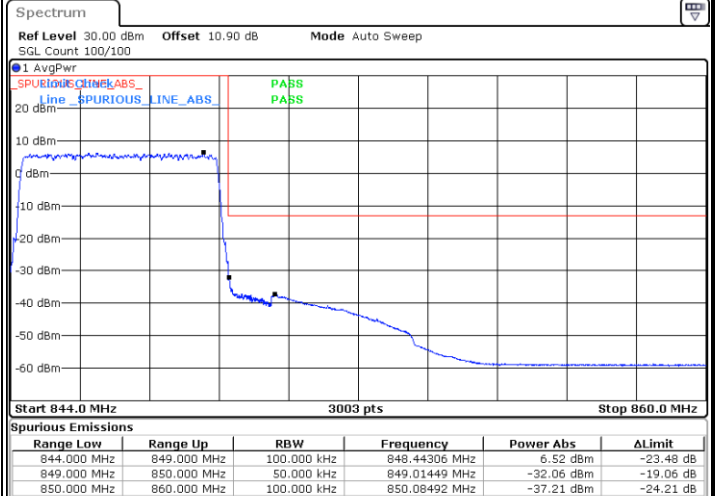
Date: 21.DEC.2021 11:02:32

Lowest Band Edge / Full RB



Date: 21.DEC.2021 10:56:17

Highest Band Edge / Full RB

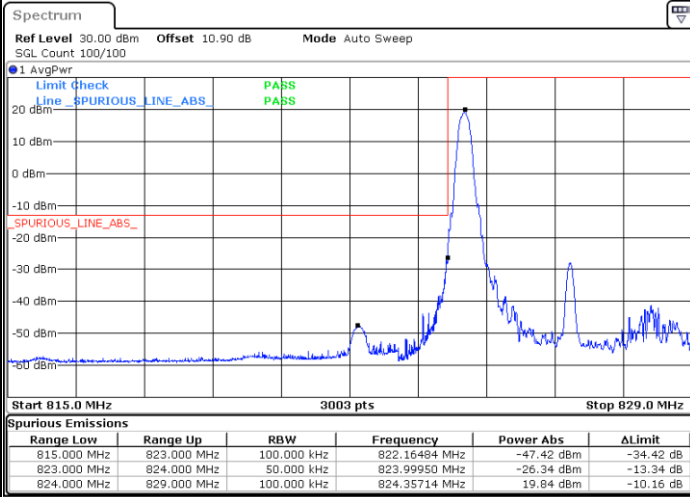


Date: 21.DEC.2021 11:06:13



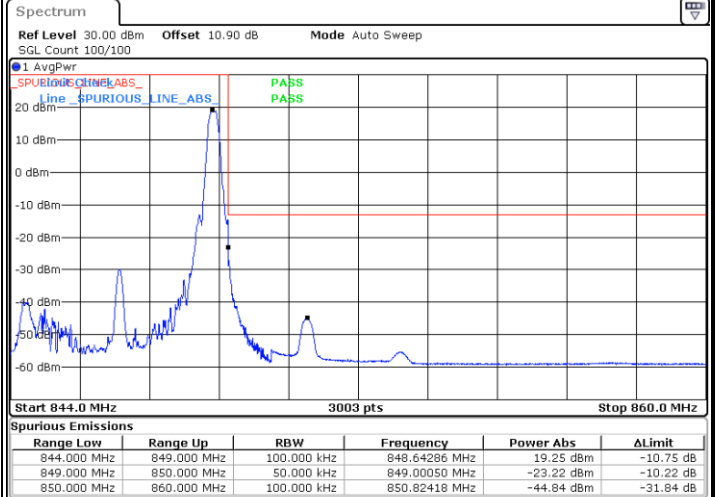
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



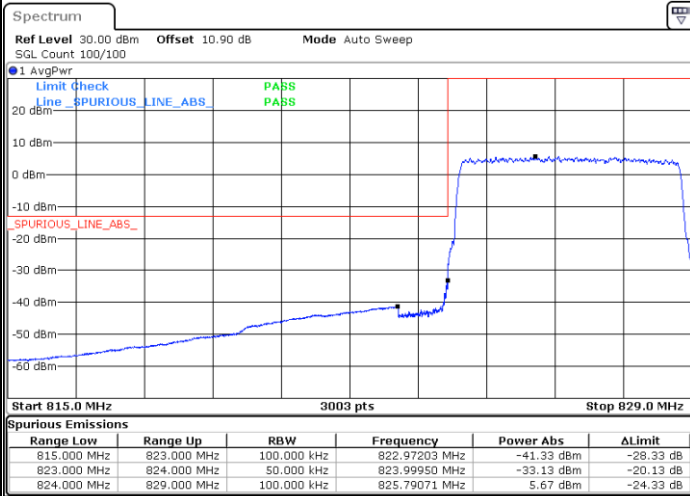
Date: 21.DEC.2021 10:54:27

Highest Band Edge / 1 RB



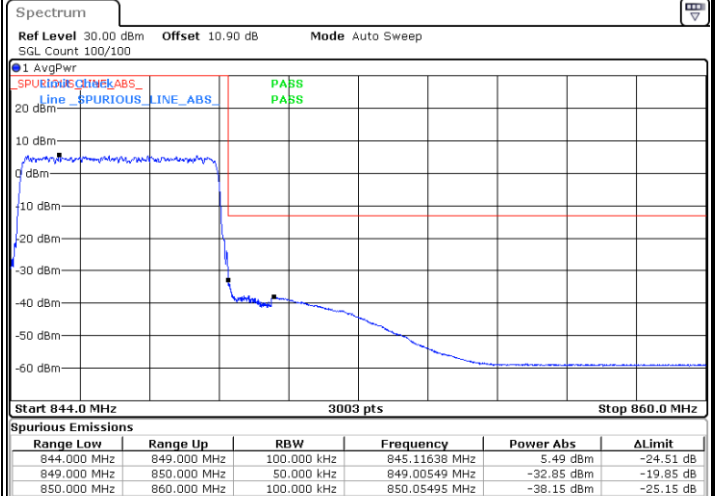
Date: 21.DEC.2021 11:04:22

Lowest Band Edge / Full RB



Date: 21.DEC.2021 10:58:07

Highest Band Edge / Full RB

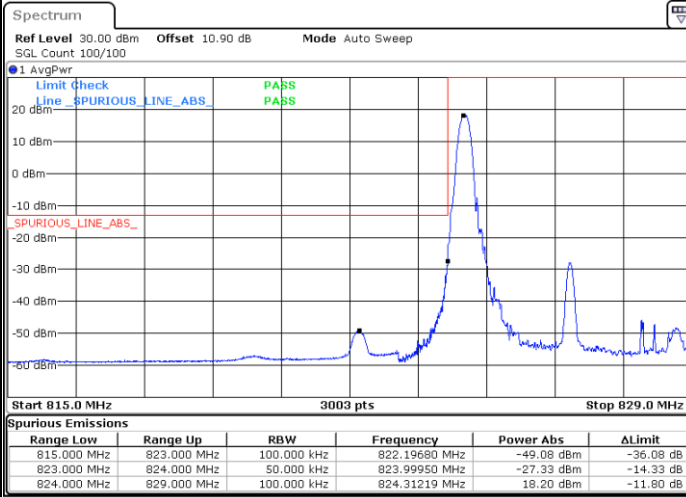


Date: 21.DEC.2021 11:08:03



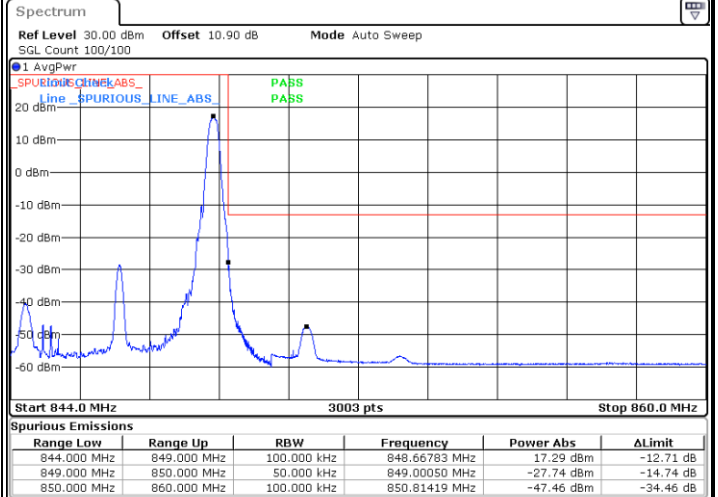
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



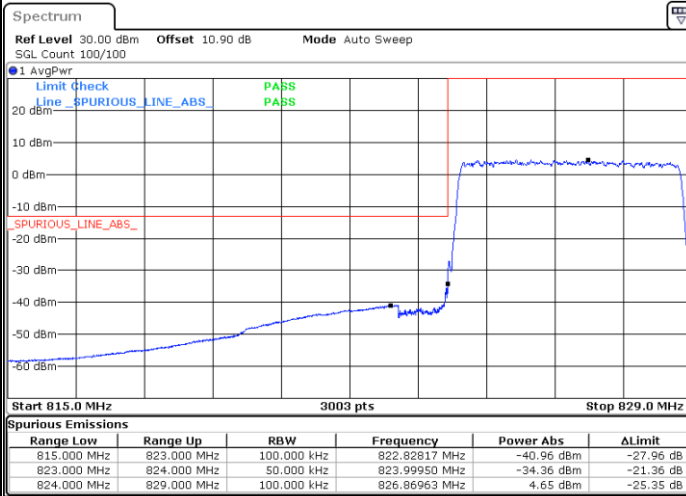
Date: 21.DEC.2021 11:10:29

Highest Band Edge / 1 RB



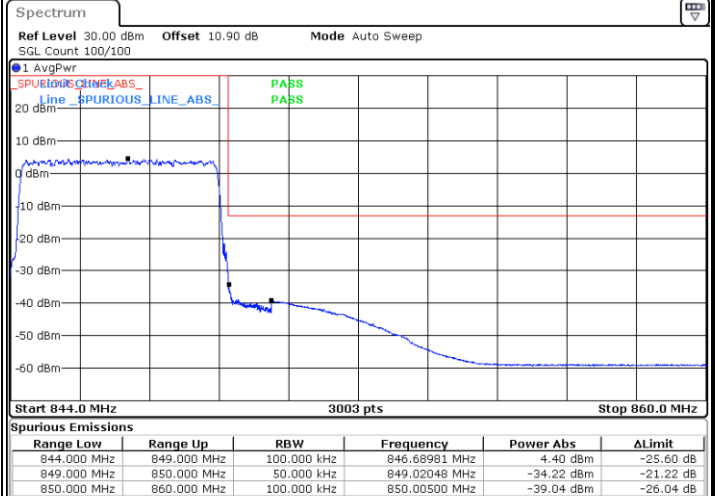
Date: 21.DEC.2021 11:14:52

Lowest Band Edge / Full RB



Date: 21.DEC.2021 11:12:20

Highest Band Edge / Full RB

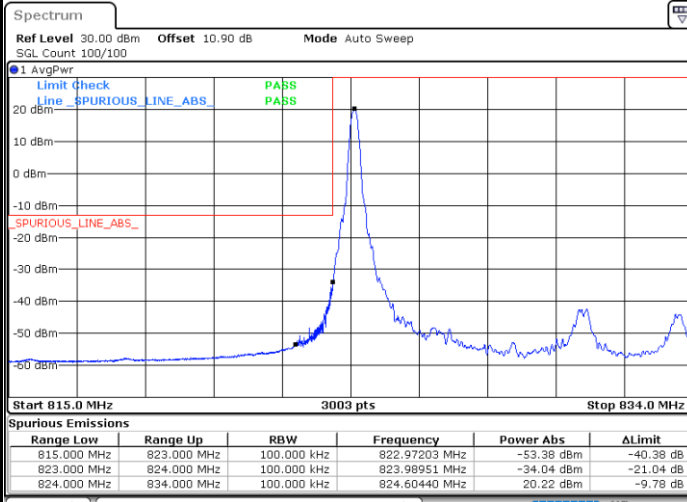


Date: 21.DEC.2021 11:16:42



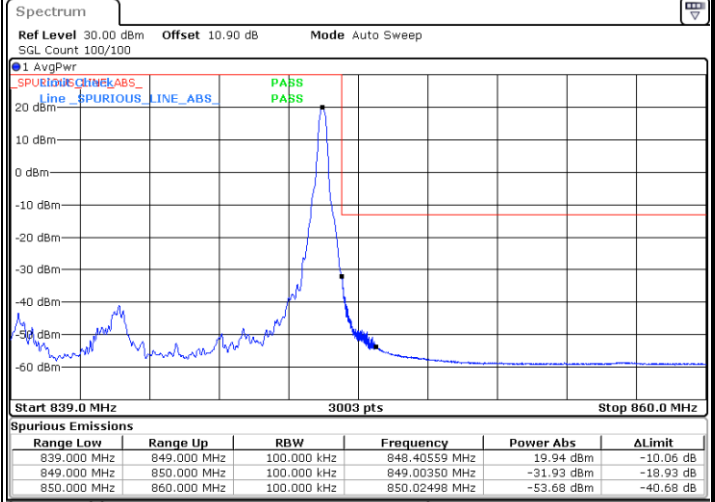
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



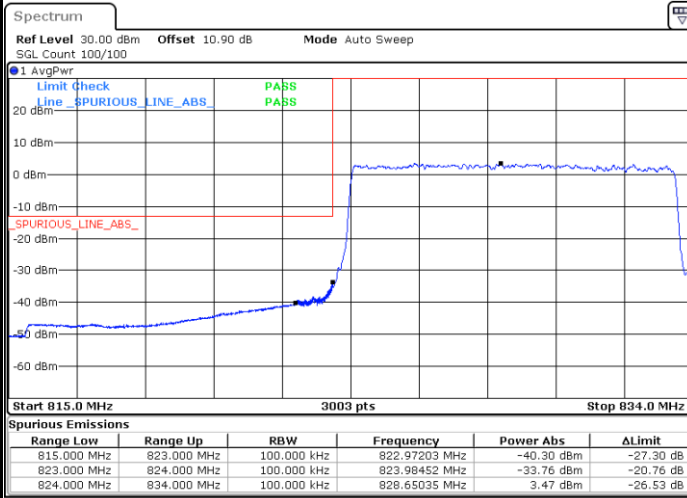
Date: 21.DEC.2021 11:18:33

Highest Band Edge / 1 RB



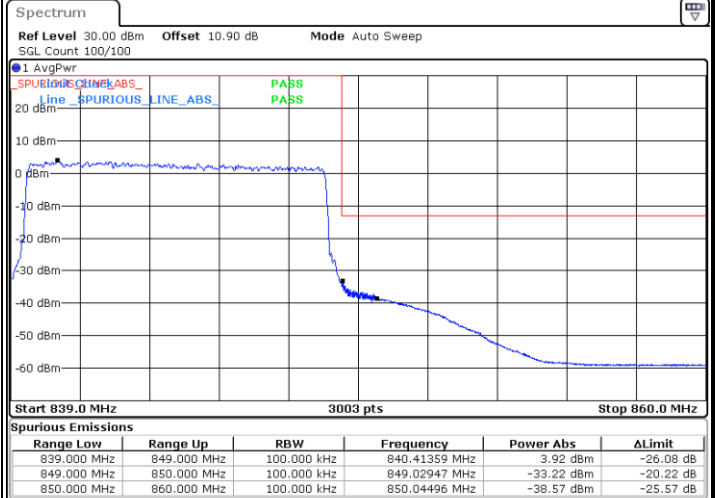
Date: 21.DEC.2021 11:29:35

Lowest Band Edge / Full RB



Date: 21.DEC.2021 11:22:14

Highest Band Edge / Full RB

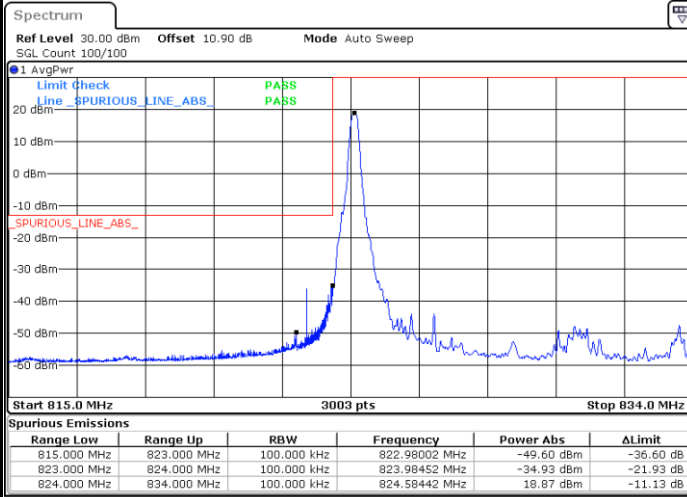


Date: 21.DEC.2021 11:33:16



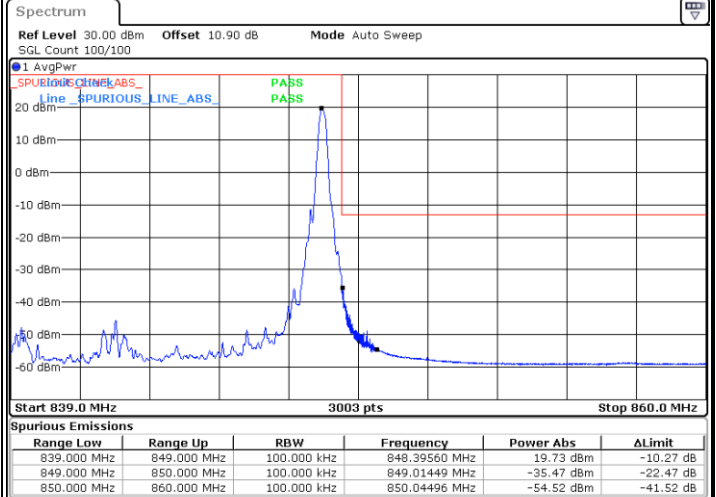
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



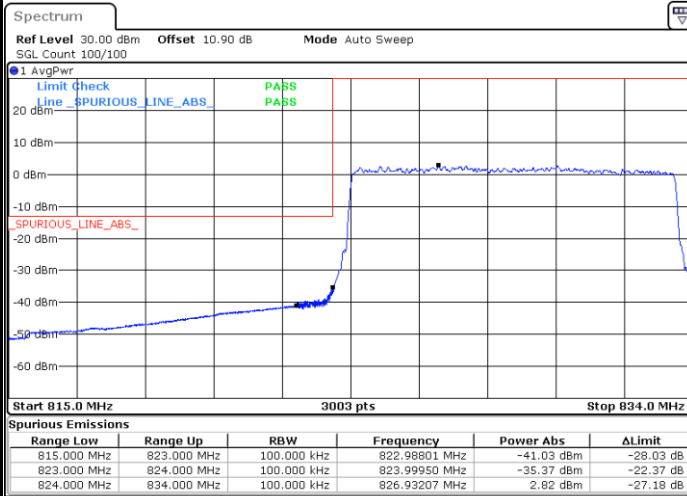
Date: 21.DEC.2021 11:20:23

Highest Band Edge / 1 RB



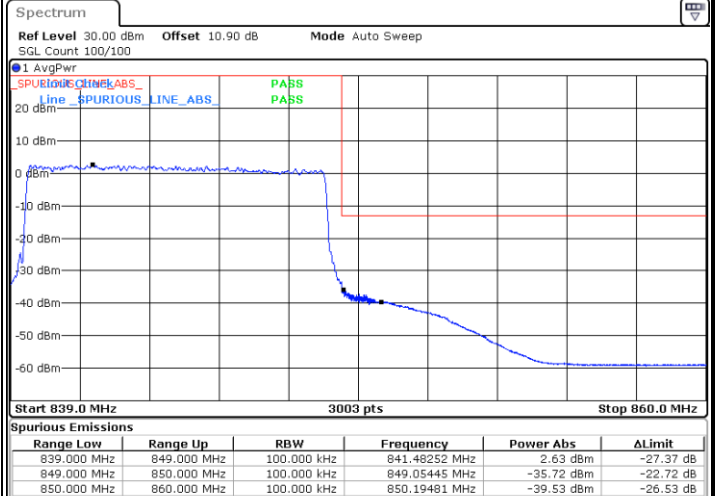
Date: 21.DEC.2021 11:31:25

Lowest Band Edge / Full RB



Date: 21.DEC.2021 11:24:04

Highest Band Edge / Full RB

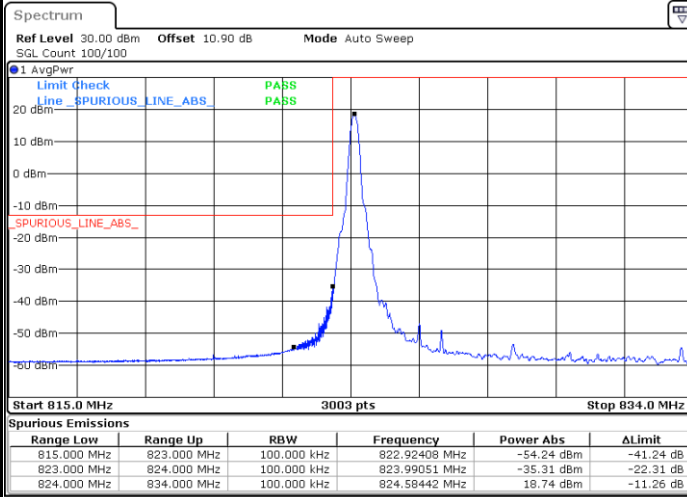


Date: 21.DEC.2021 11:35:06



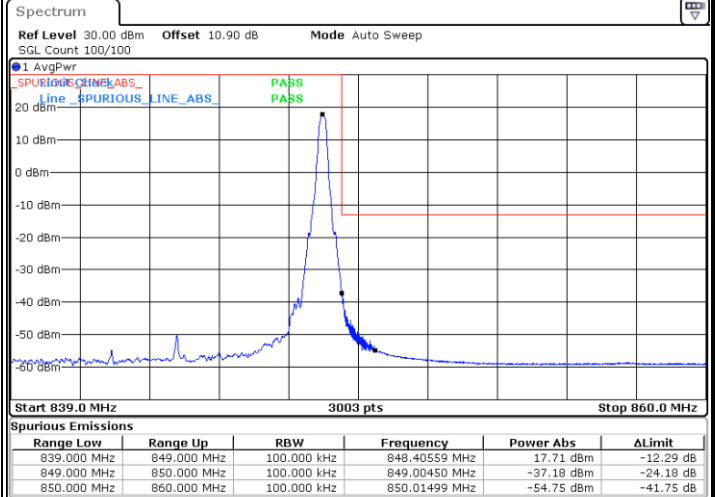
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



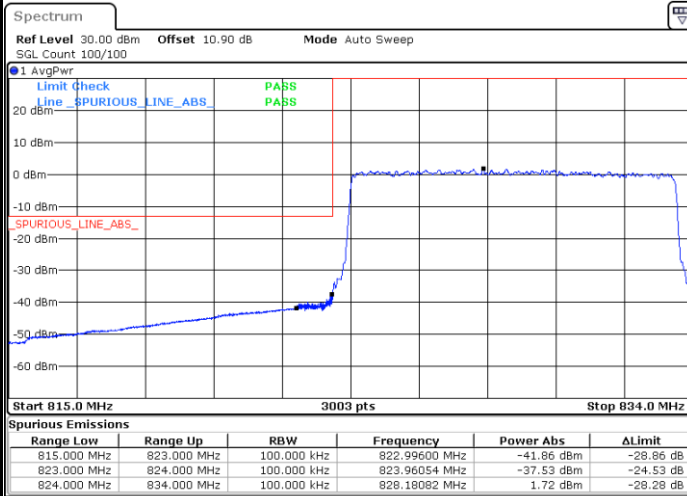
Date: 21.DEC.2021 11:37:32

Highest Band Edge / 1 RB



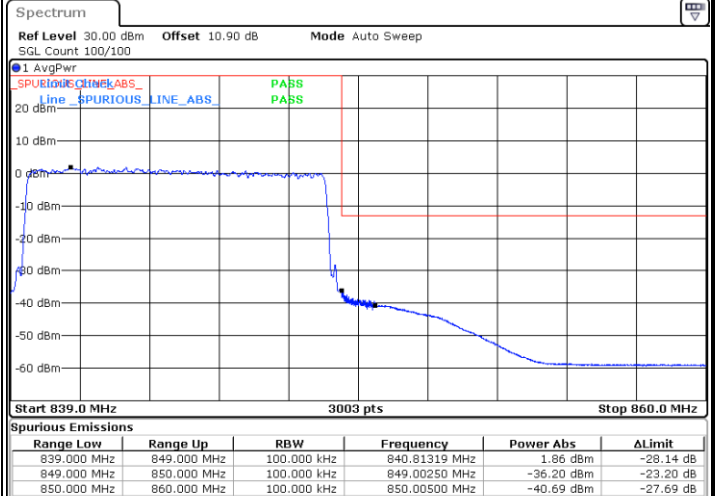
Date: 21.DEC.2021 11:41:55

Lowest Band Edge / Full RB



Date: 21.DEC.2021 11:39:23

Highest Band Edge / Full RB



Date: 21.DEC.2021 11:43:45

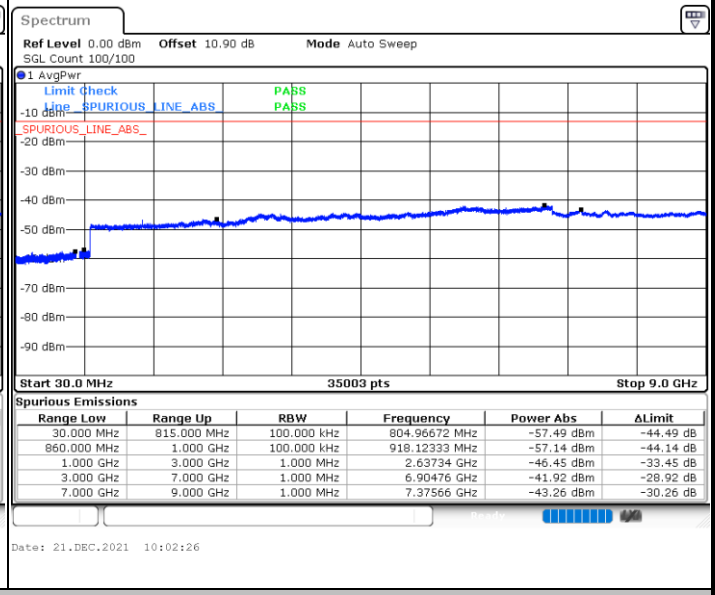
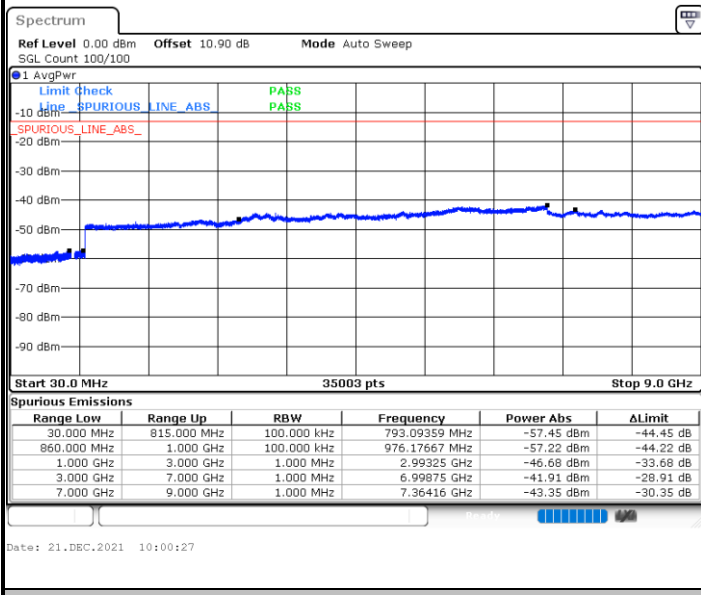


Conducted Spurious Emission

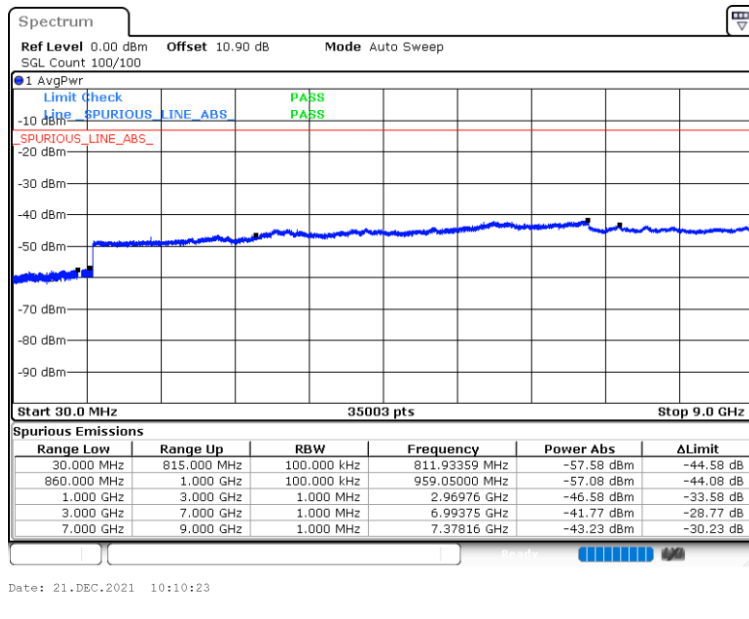
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Middle Channel / QPSK



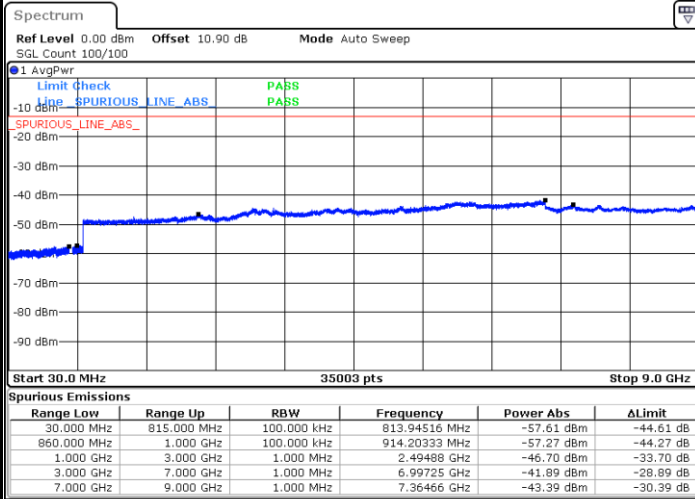
Highest Channel / QPSK





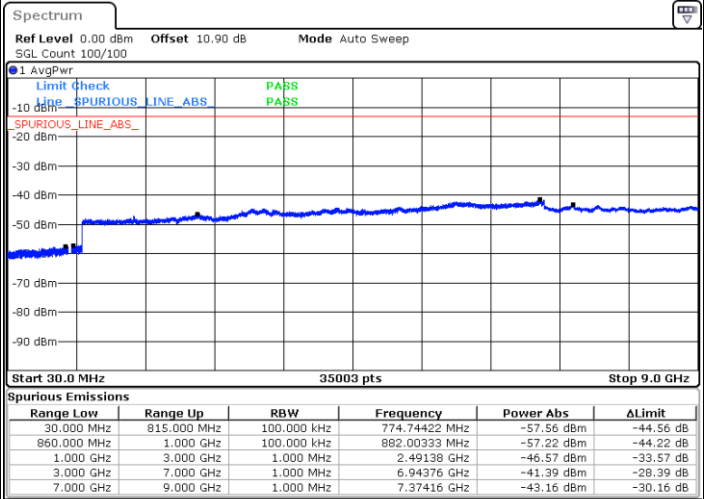
LTE Band 5 / 3MHz

Lowest Channel / QPSK



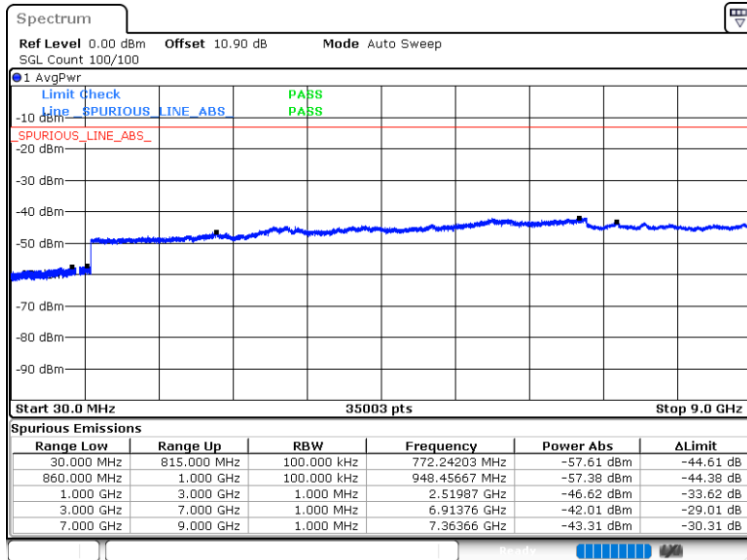
Date: 21.DEC.2021 10:32:46

Middle Channel / QPSK



Date: 21.DEC.2021 10:34:45

Highest Channel / QPSK



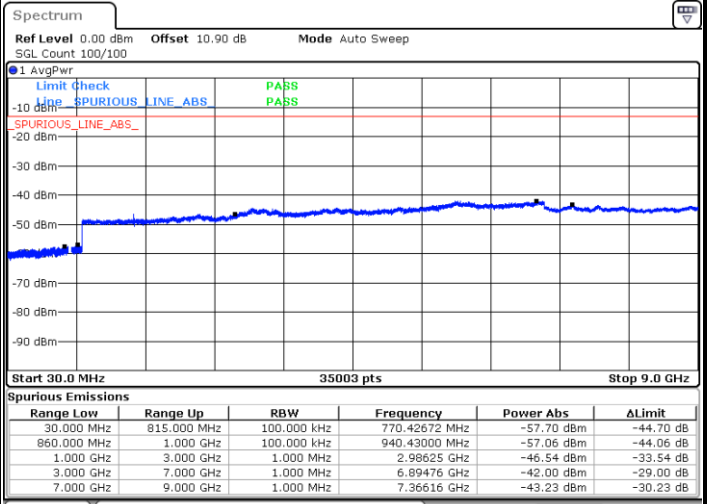
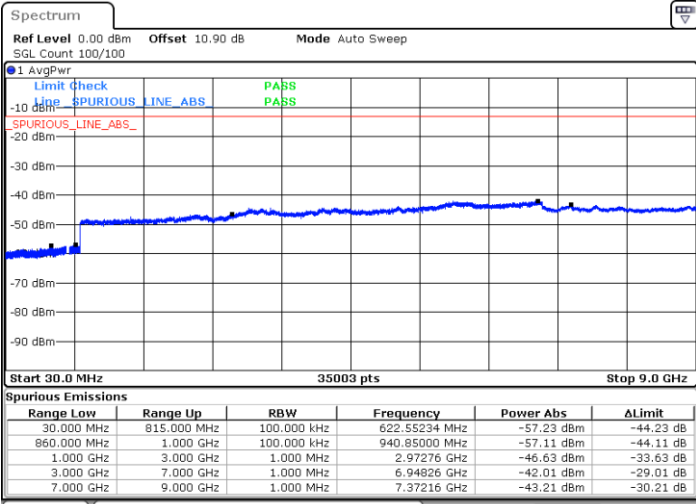
Date: 21.DEC.2021 10:42:42



LTE Band 5 / 5MHz

Lowest Channel / QPSK

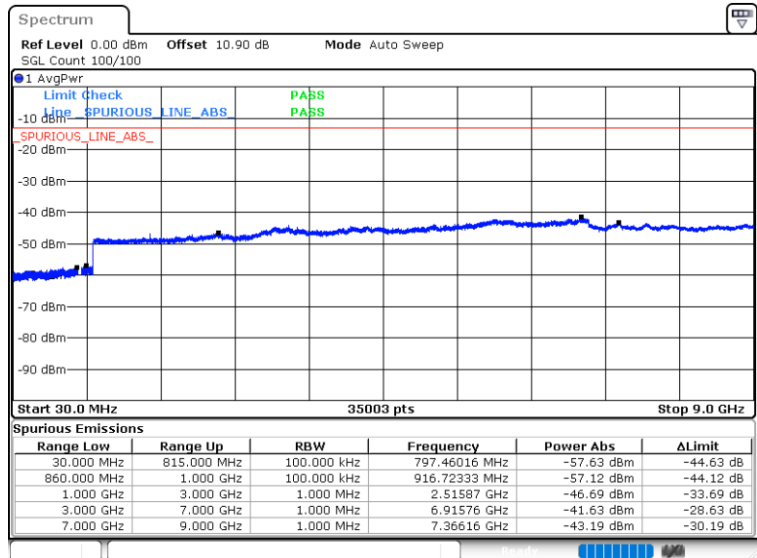
Middle Channel / QPSK



Date: 21.DEC.2021 10:58:43

Date: 21.DEC.2021 11:00:42

Highest Channel / QPSK

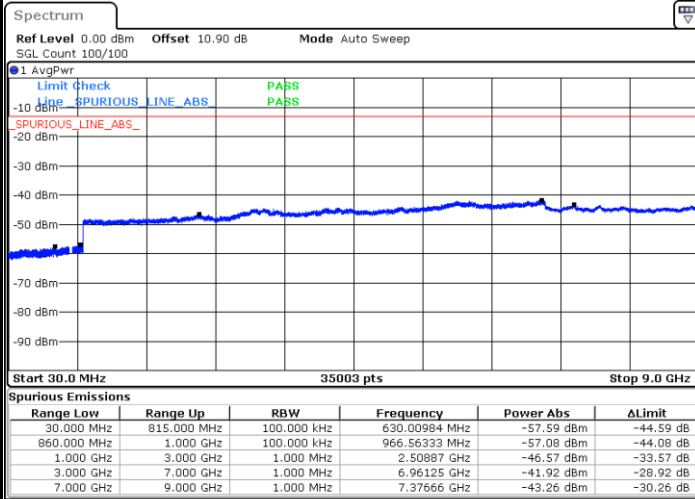


Date: 21.DEC.2021 11:08:39



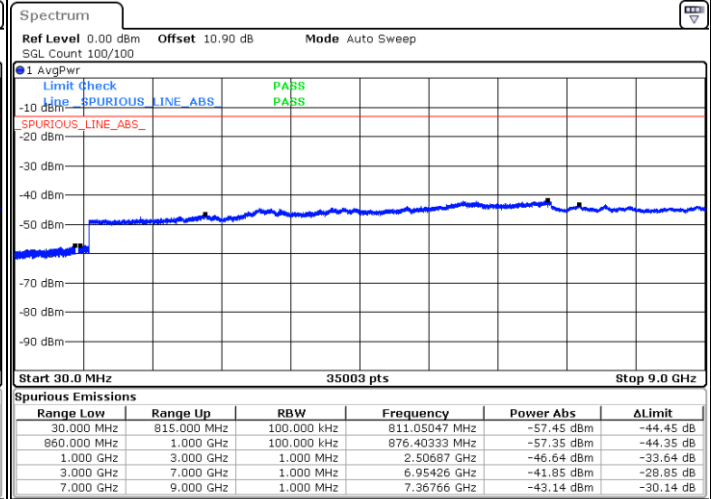
LTE Band 5 / 10MHz

Lowest Channel / QPSK



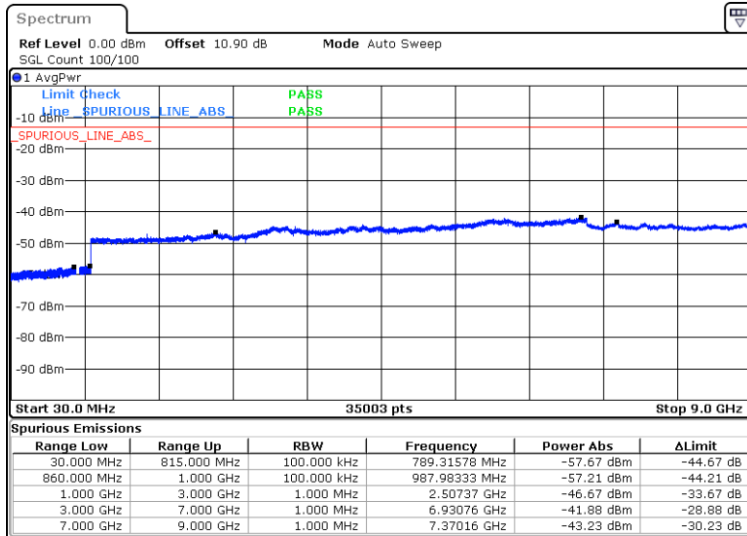
Date: 21.DEC.2021 11:25:46

Middle Channel / QPSK



Date: 21.DEC.2021 11:27:45

Highest Channel / QPSK



Date: 21.DEC.2021 11:35:42



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0084	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

Note:

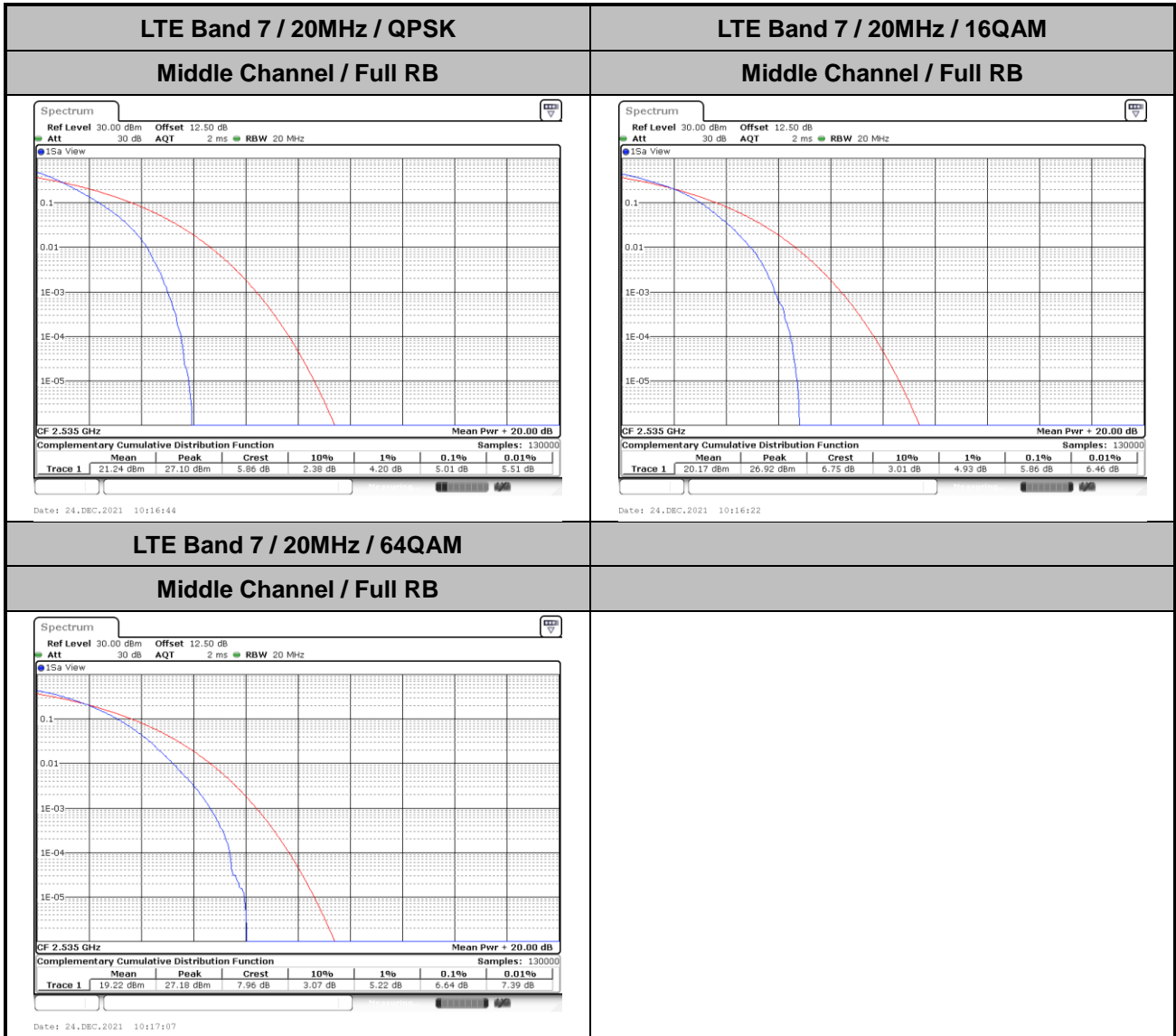
- 1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.01	5.86	6.64	PASS





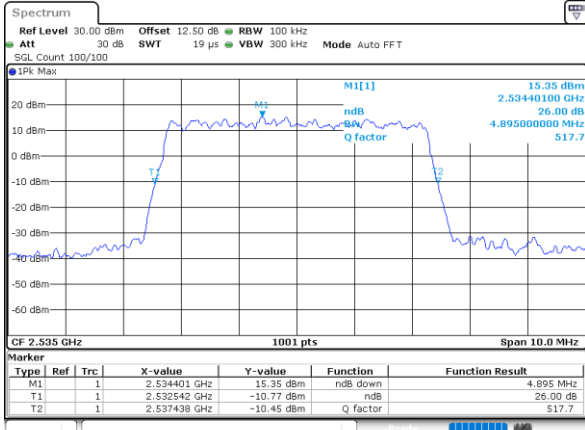
26dB Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.90	4.81	9.97	9.73	14.48	14.39	18.94	19.10
Mode	LTE Band 7 : 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	-	-	-	-	4.94	-	9.75	-	14.63	-	18.86	-



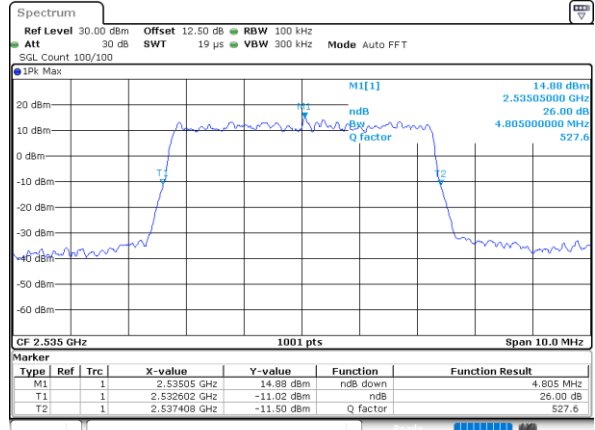
LTE Band 7

Middle Channel / 5MHz / QPSK



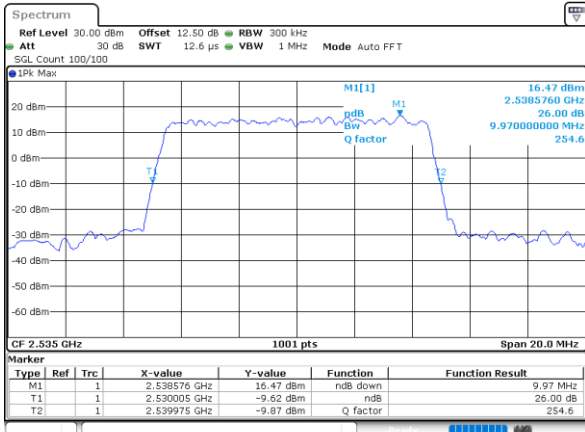
Date: 21. DEC. 2021 11:50:09

Middle Channel / 5MHz / 16QAM



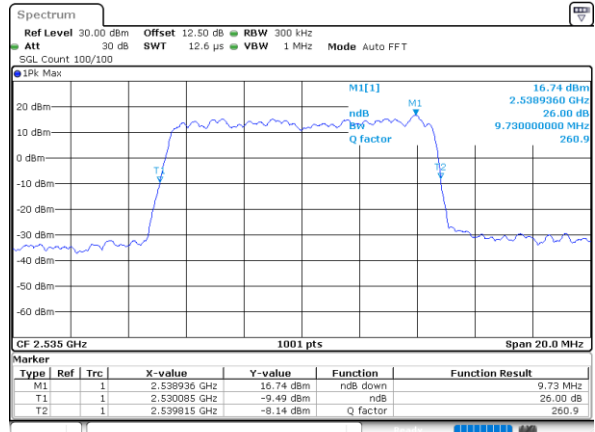
Date: 21. DEC. 2021 11:50:30

Middle Channel / 10MHz / QPSK



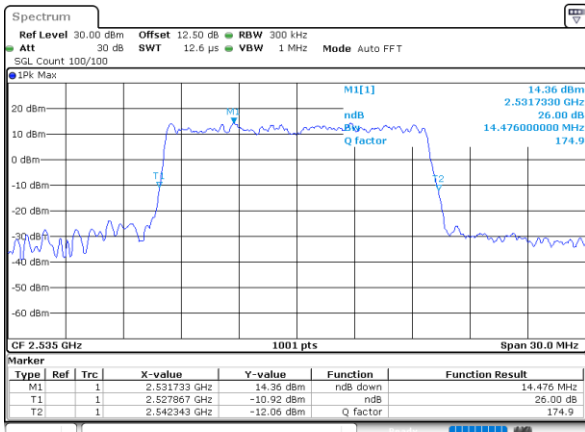
Date: 21. DEC. 2021 13:07:29

Middle Channel / 10MHz / 16QAM



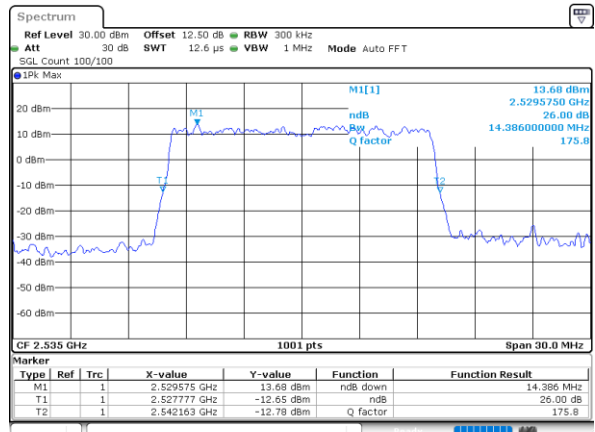
Date: 21. DEC. 2021 13:07:50

Middle Channel / 15MHz / QPSK



Date: 24. DEC. 2021 09:24:32

Middle Channel / 15MHz / 16QAM

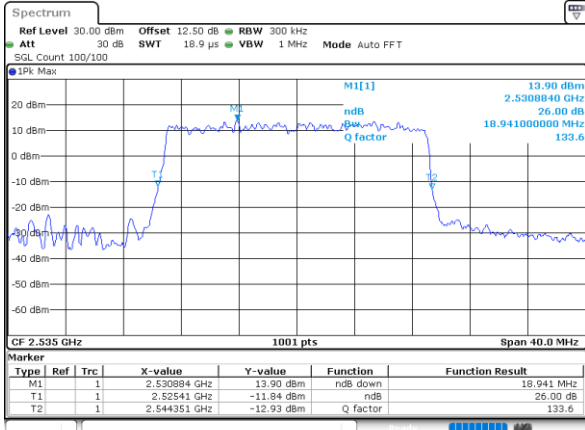


Date: 24. DEC. 2021 09:24:53



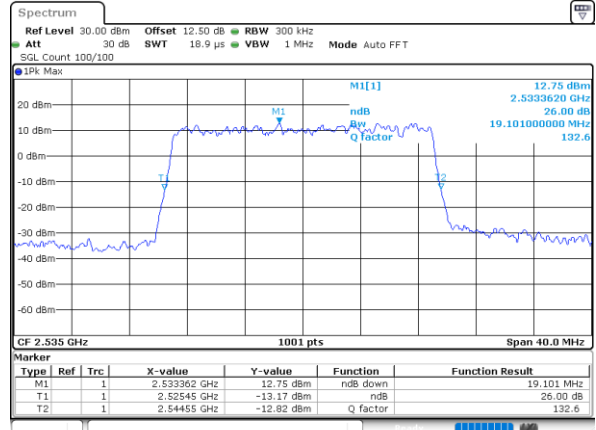
LTE Band 7

Middle Channel / 20MHz / QPSK



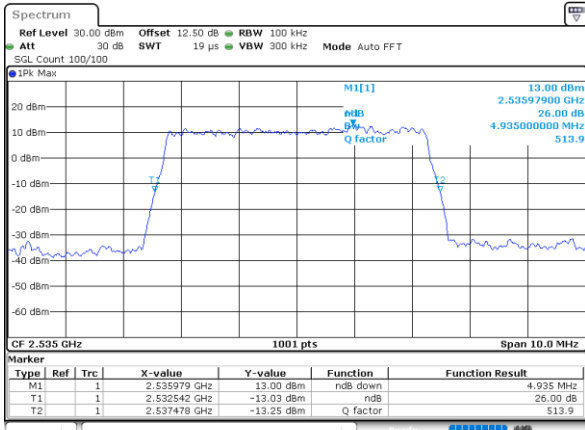
Date: 24.DEC.2021 10:05:39

Middle Channel / 20MHz / 16QAM



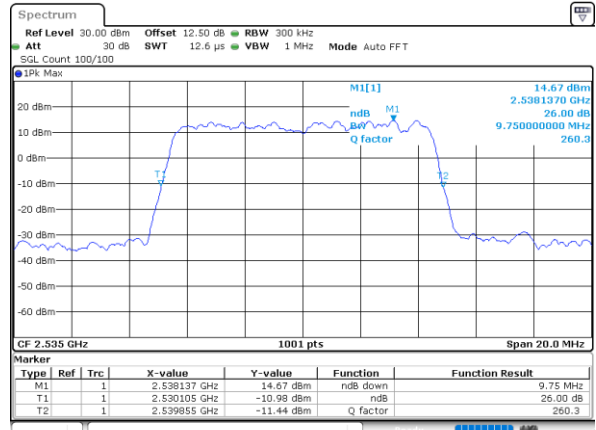
Date: 24.DEC.2021 10:06:00

Middle Channel / 5MHz / 64QAM



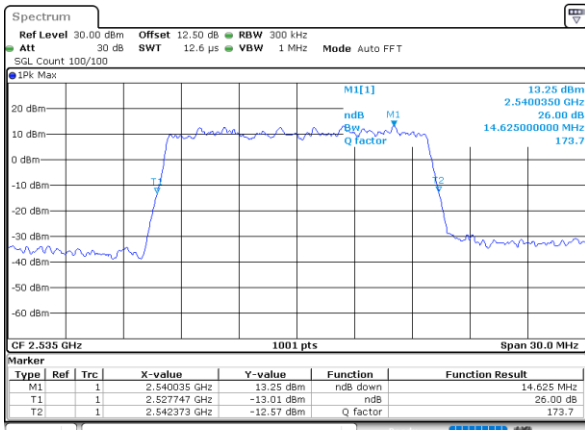
Date: 21.DEC.2021 11:57:15

Middle Channel / 10MHz / 64QAM



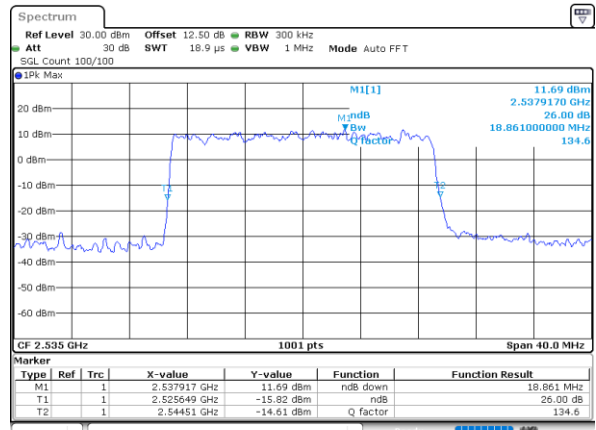
Date: 21.DEC.2021 14:27:31

Middle Channel / 15MHz / 64QAM



Date: 24.DEC.2021 09:31:53

Middle Channel / 20MHz / 64QAM



Date: 24.DEC.2021 10:14:22



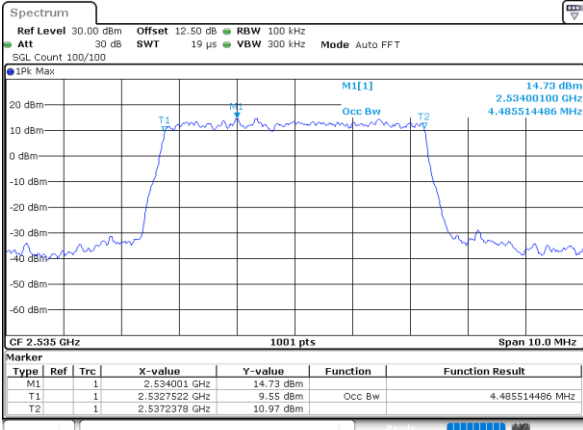
Occupied Bandwidth

Mode	LTE Band 7 : 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	4.48	9.01	8.95	13.49	13.43	17.82	17.94
Mode	LTE Band 7 : 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	-	-	-	-	4.48	-	9.01	-	13.46	-	17.86	-



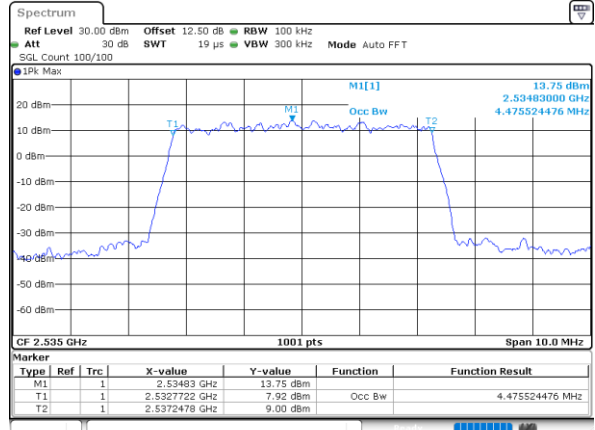
LTE Band 7

Middle Channel / 5MHz / QPSK



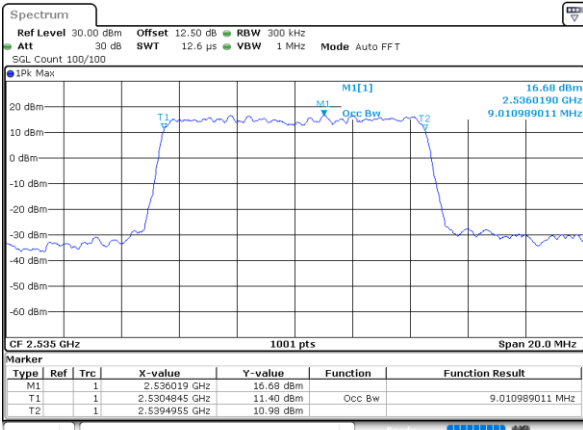
Date: 21. DEC. 2021 11:49:27

Middle Channel / 5MHz / 16QAM



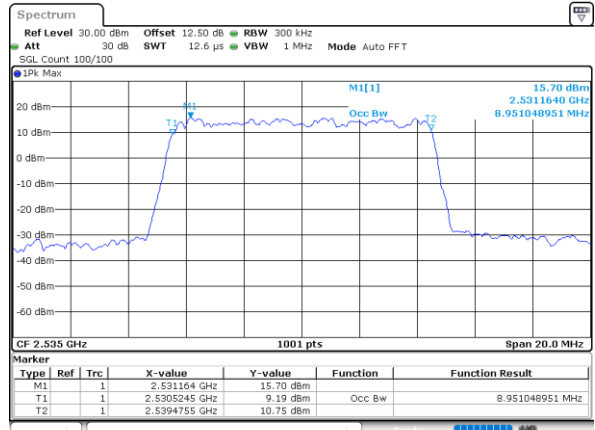
Date: 21. DEC. 2021 11:49:48

Middle Channel / 10MHz / QPSK



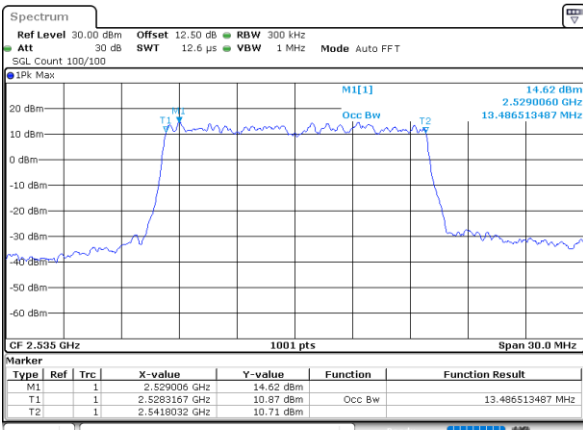
Date: 21. DEC. 2021 13:56:47

Middle Channel / 10MHz / 16QAM



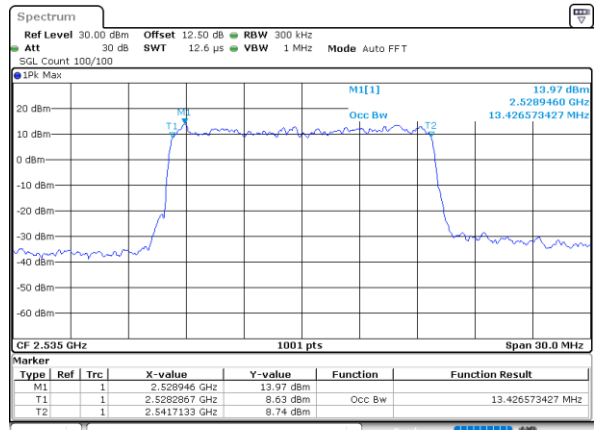
Date: 21. DEC. 2021 13:57:08

Middle Channel / 15MHz / QPSK



Date: 24. DEC. 2021 09:23:50

Middle Channel / 15MHz / 16QAM

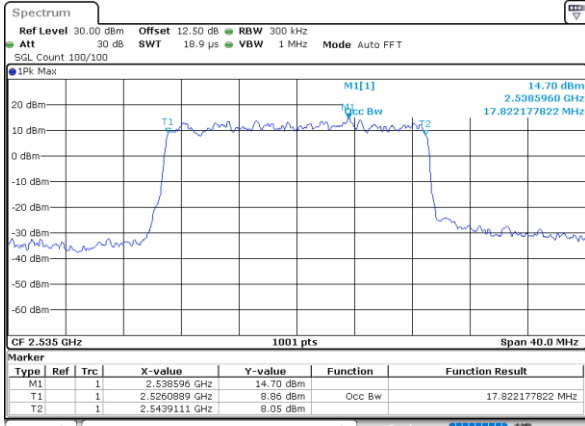


Date: 24. DEC. 2021 09:24:11



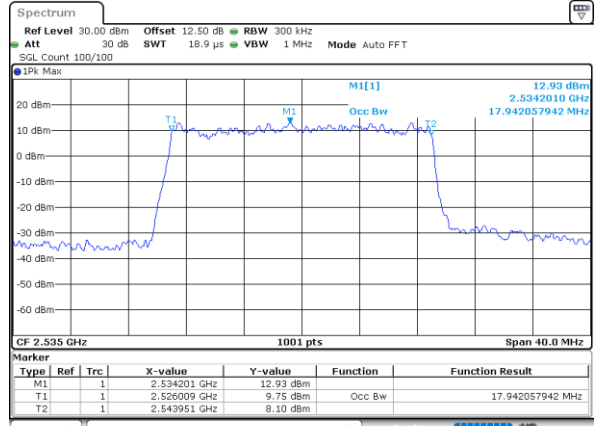
LTE Band 7

Middle Channel / 20MHz / QPSK



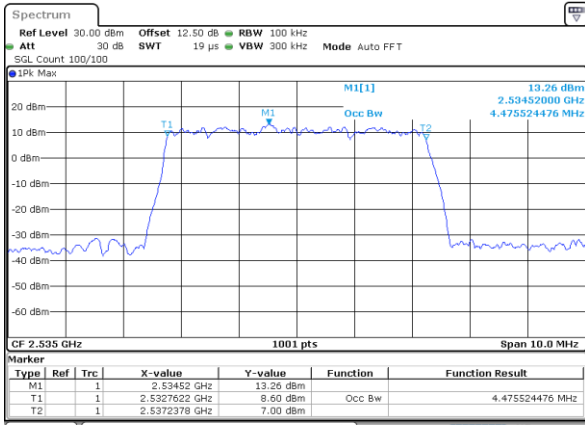
Date: 24.DEC.2021 10:04:57

Middle Channel / 20MHz / 16QAM



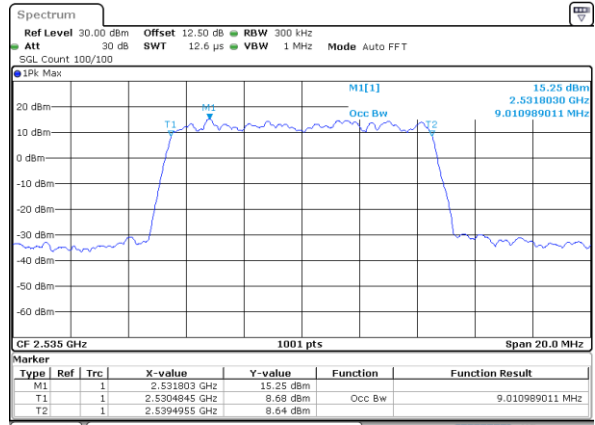
Date: 24.DEC.2021 10:05:18

Middle Channel / 5MHz / 64QAM



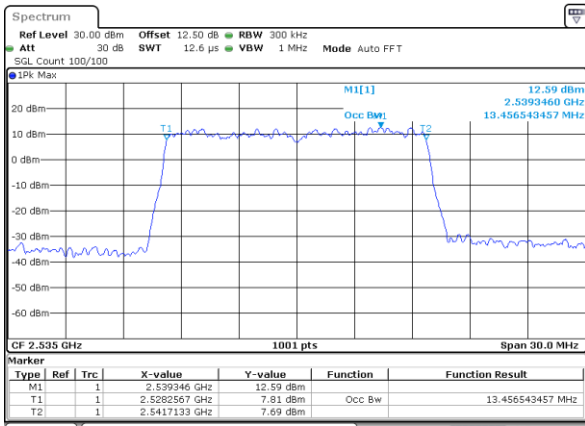
Date: 21.DEC.2021 11:56:54

Middle Channel / 10MHz / 64QAM



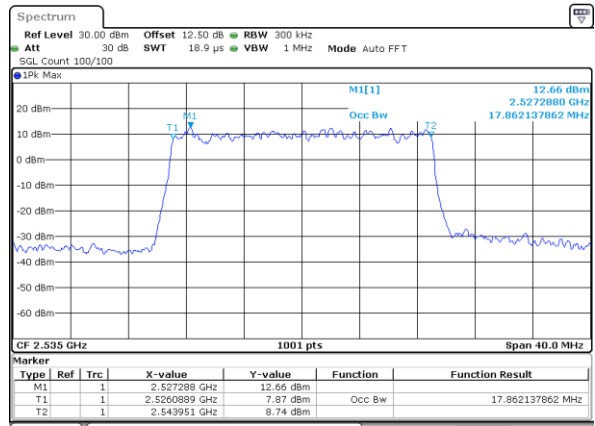
Date: 21.DEC.2021 14:27:10

Middle Channel / 15MHz / 64QAM



Date: 24.DEC.2021 09:31:33

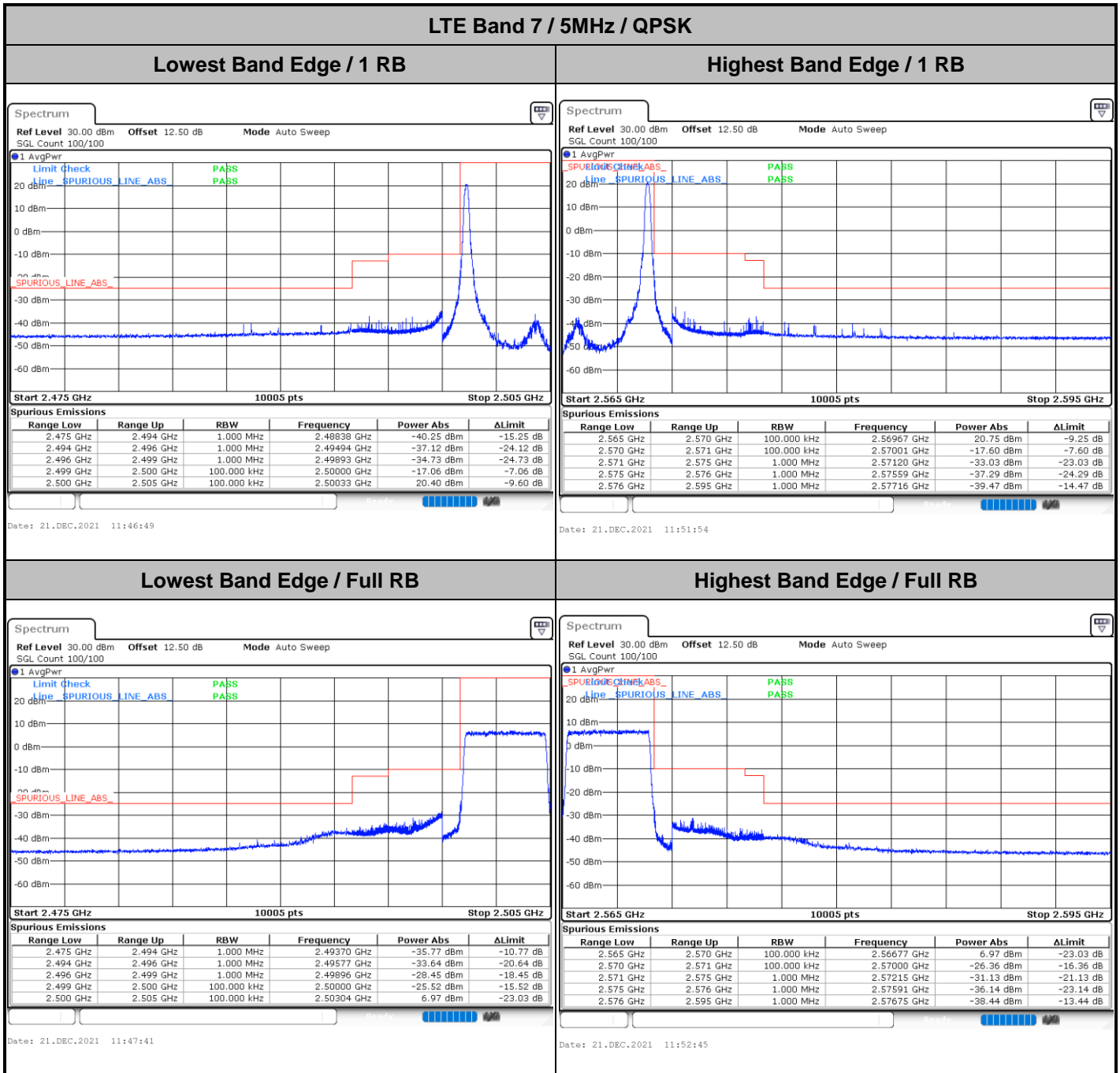
Middle Channel / 20MHz / 64QAM



Date: 24.DEC.2021 10:14:01



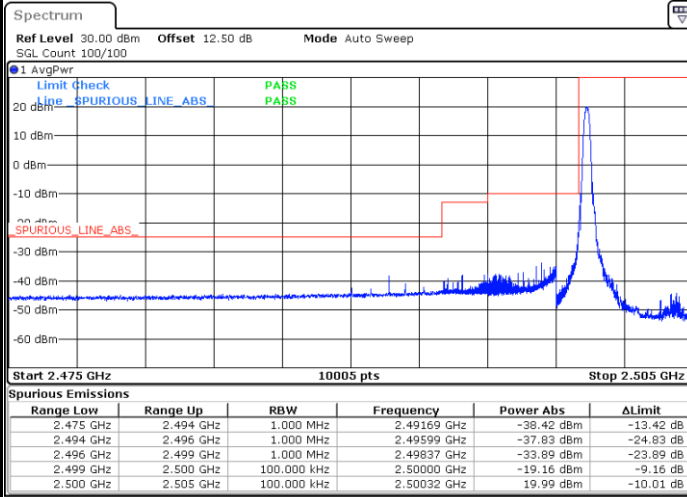
Conducted Band Edge





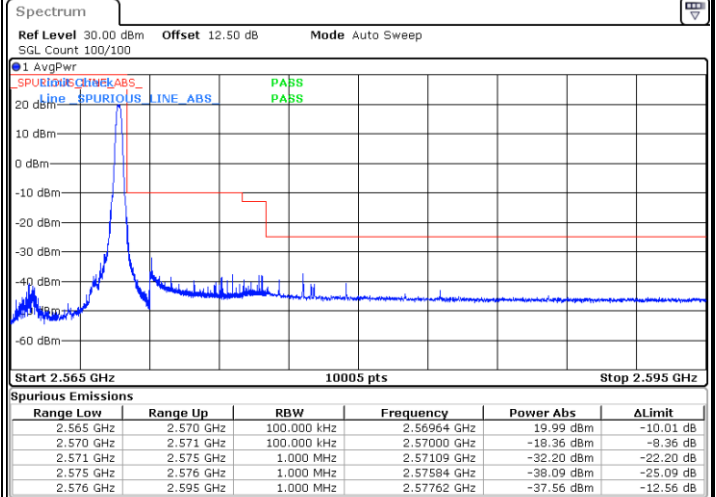
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



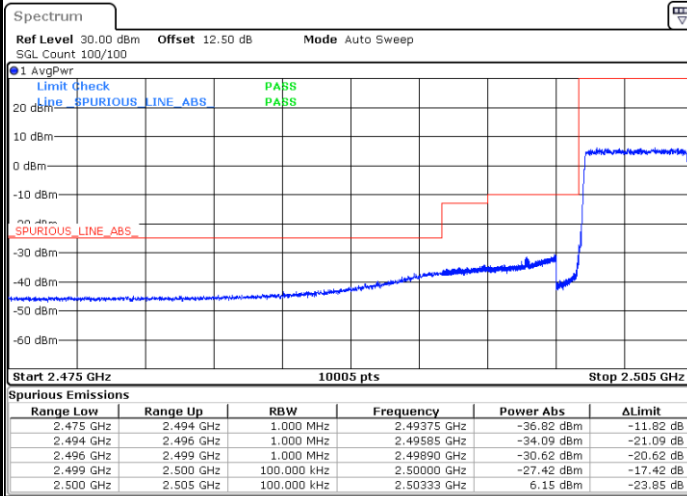
Date: 21.DEC.2021 11:47:15

Highest Band Edge / 1 RB



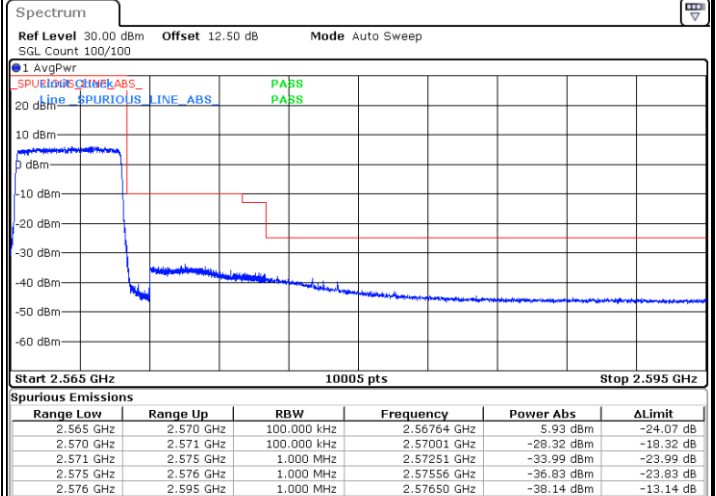
Date: 21.DEC.2021 11:52:20

Lowest Band Edge / Full RB



Date: 21.DEC.2021 11:48:07

Highest Band Edge / Full RB

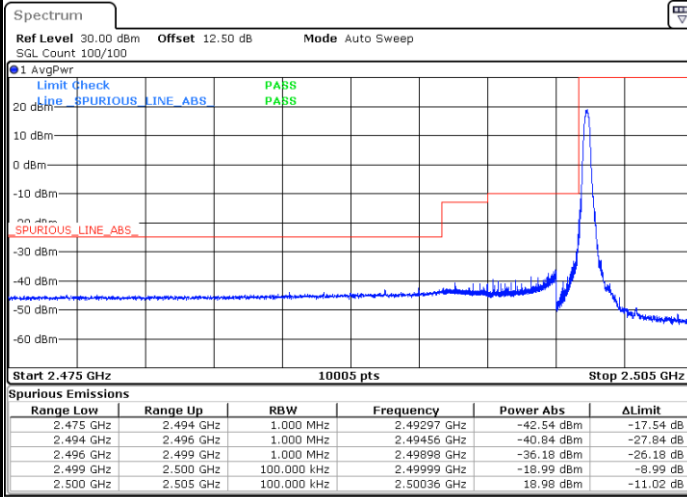


Date: 21.DEC.2021 11:53:10



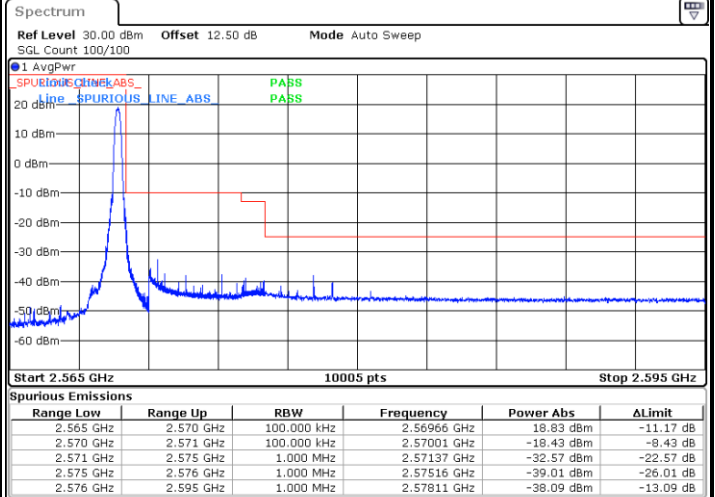
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



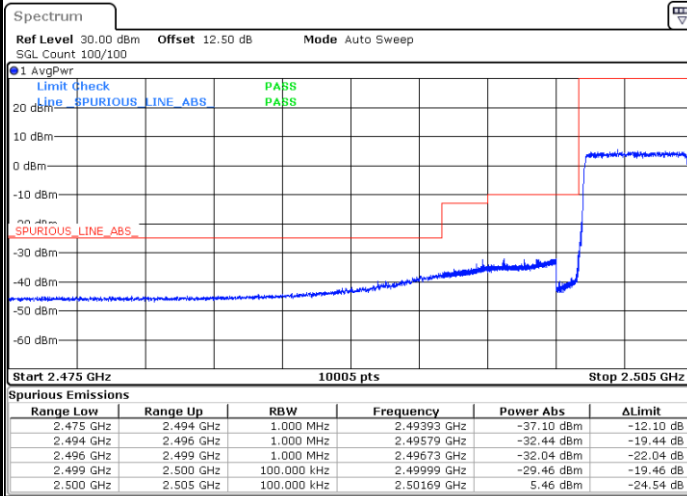
Date: 21.DEC.2021 11:56:07

Highest Band Edge / 1 RB



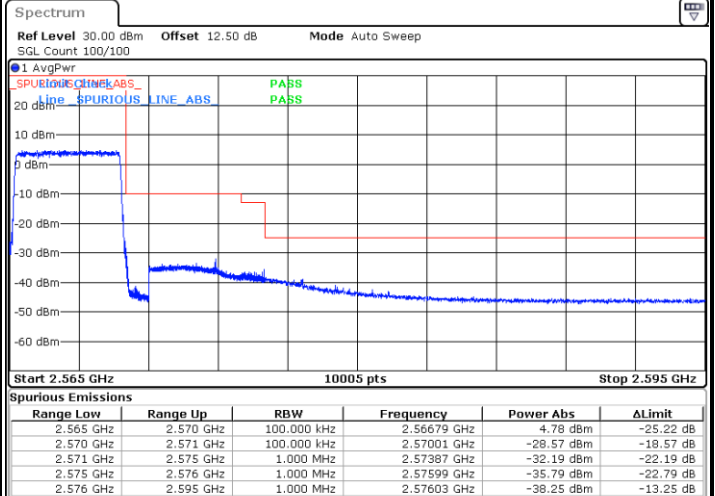
Date: 21.DEC.2021 11:57:40

Lowest Band Edge / Full RB



Date: 21.DEC.2021 11:56:33

Highest Band Edge / Full RB

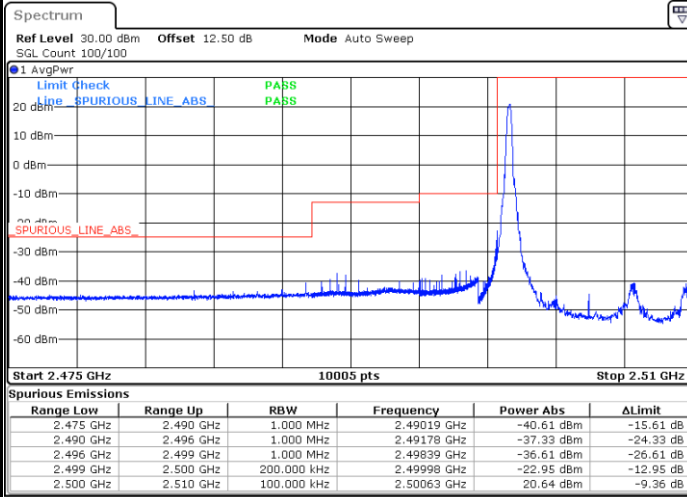


Date: 21.DEC.2021 11:58:05



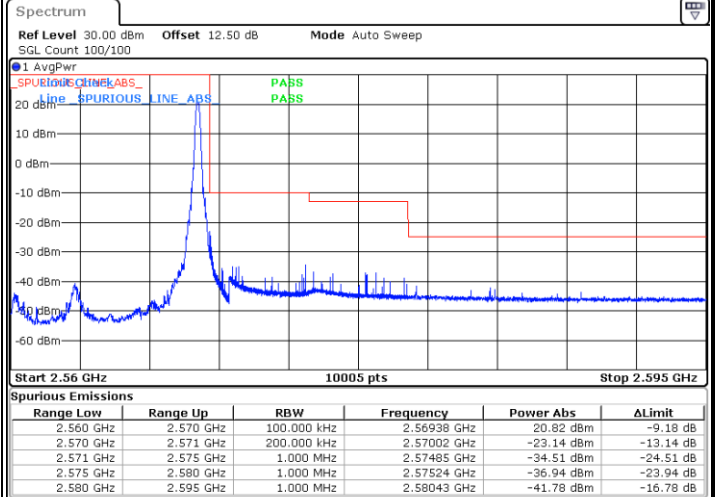
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



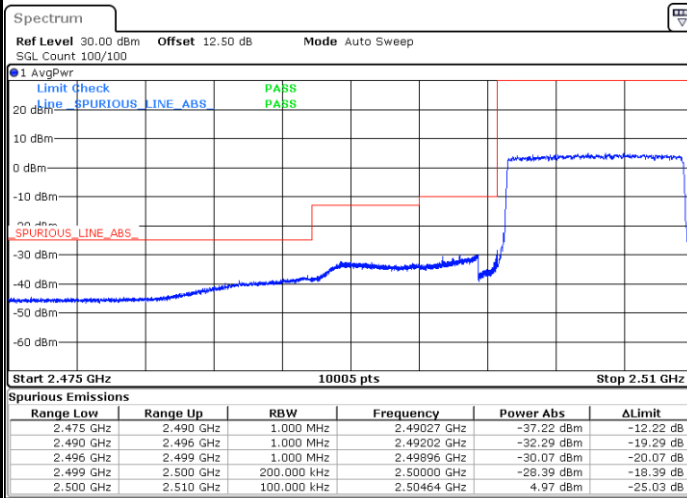
Date: 21.DEC.2021 11:58:31

Highest Band Edge / 1 RB



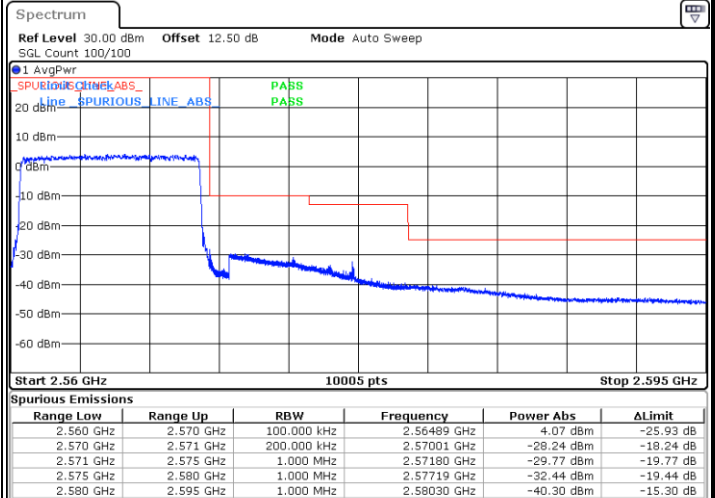
Date: 21.DEC.2021 13:42:13

Lowest Band Edge / Full RB



Date: 21.DEC.2021 13:35:01

Highest Band Edge / Full RB

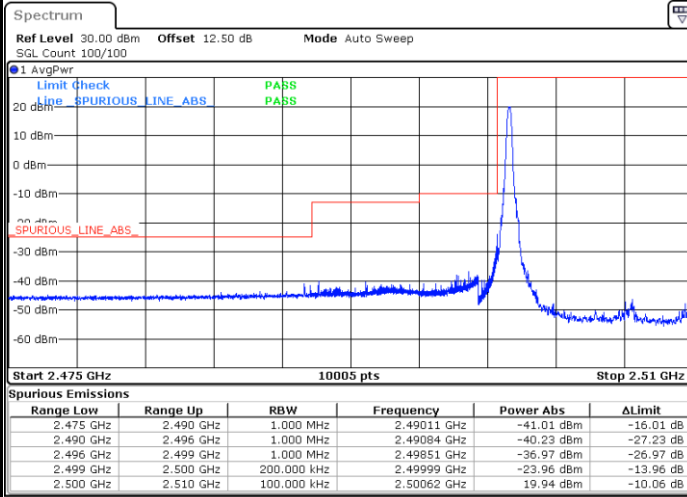


Date: 21.DEC.2021 13:46:16



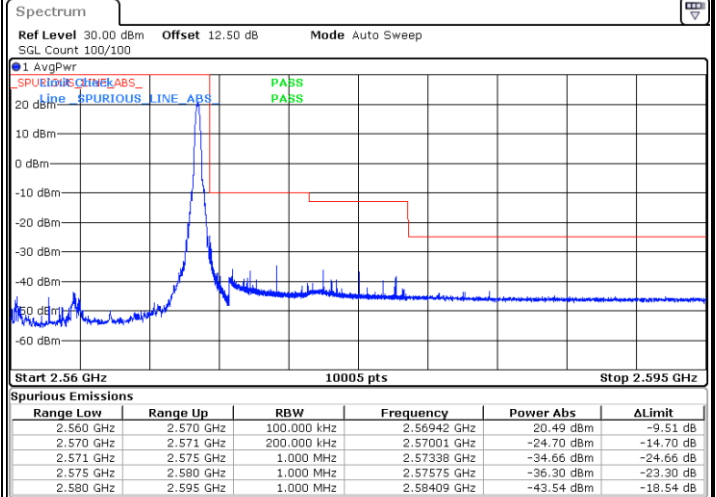
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



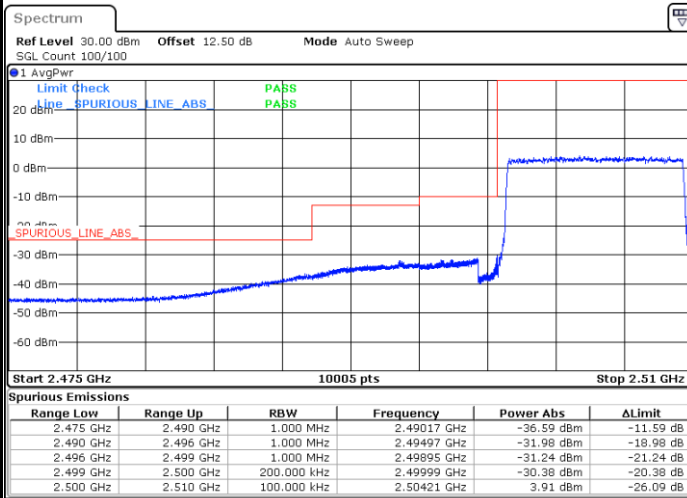
Date: 21.DEC.2021 11:58:57

Highest Band Edge / 1 RB



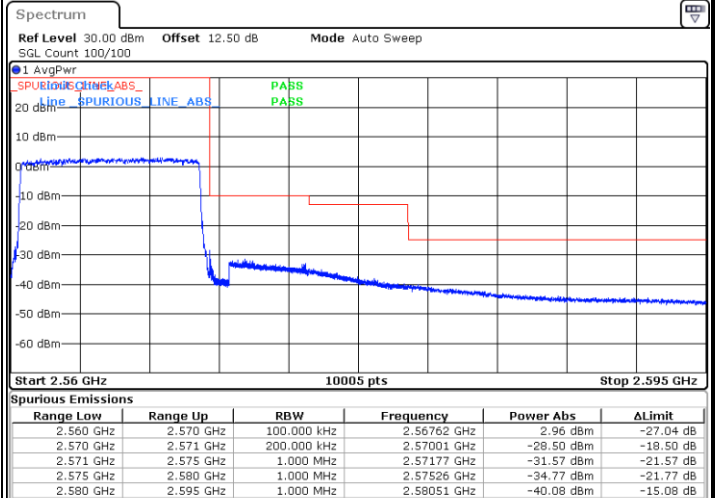
Date: 21.DEC.2021 13:43:55

Lowest Band Edge / Full RB



Date: 21.DEC.2021 13:35:26

Highest Band Edge / Full RB

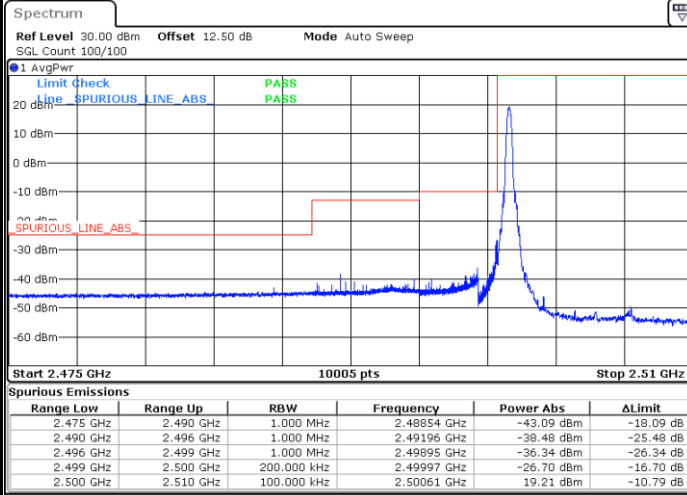


Date: 21.DEC.2021 14:20:28



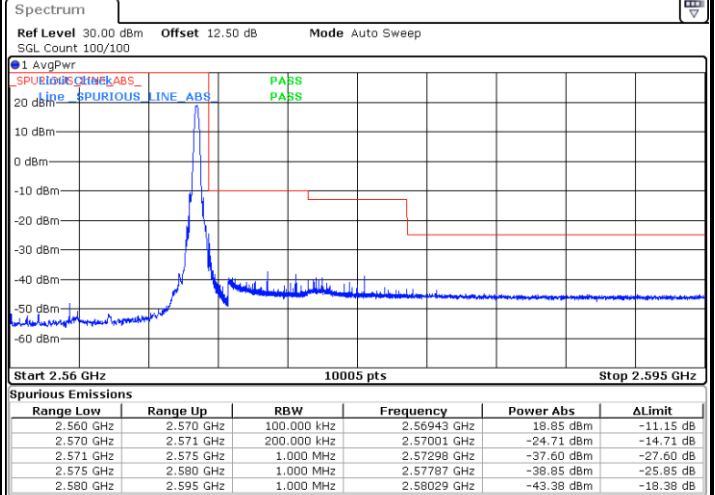
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



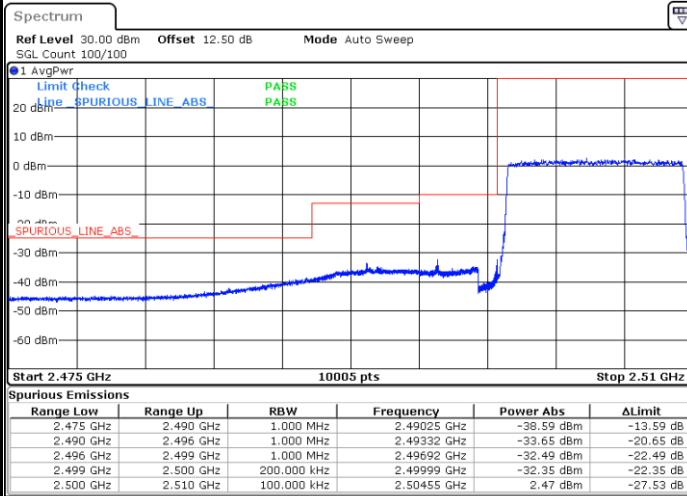
Date: 21.DEC.2021 14:26:24

Highest Band Edge / 1 RB



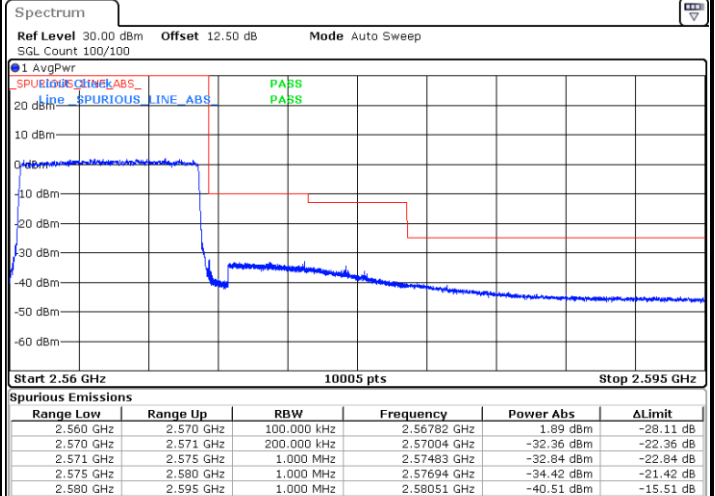
Date: 24.DEC.2021 09:18:33

Lowest Band Edge / Full RB



Date: 21.DEC.2021 14:26:49

Highest Band Edge / Full RB

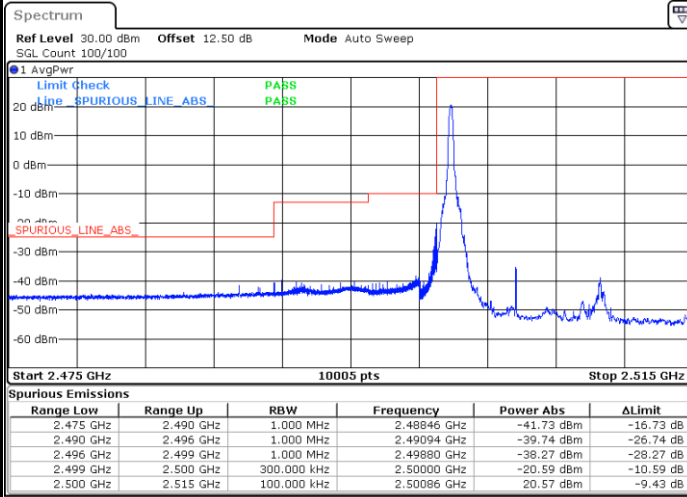


Date: 24.DEC.2021 09:19:11



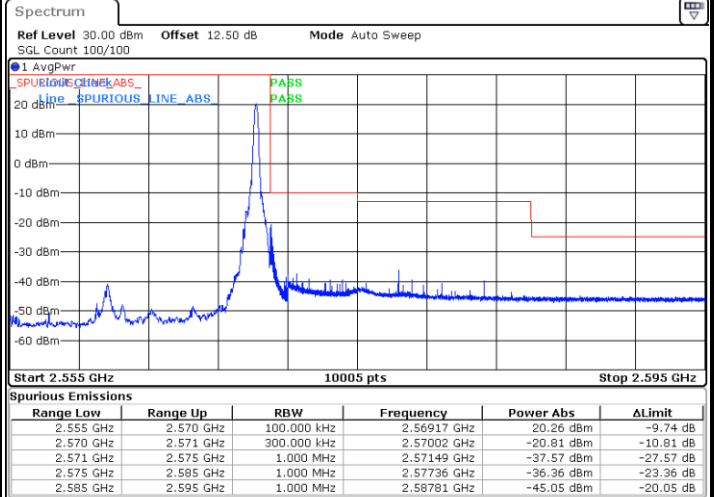
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



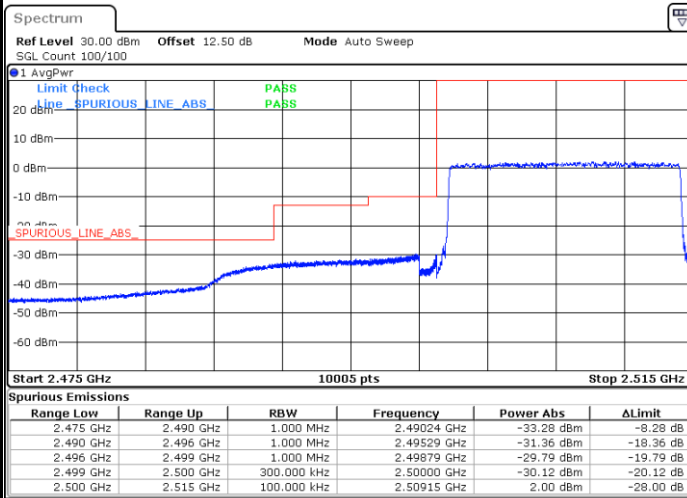
Date: 24.DEC.2021 09:20:19

Highest Band Edge / 1 RB



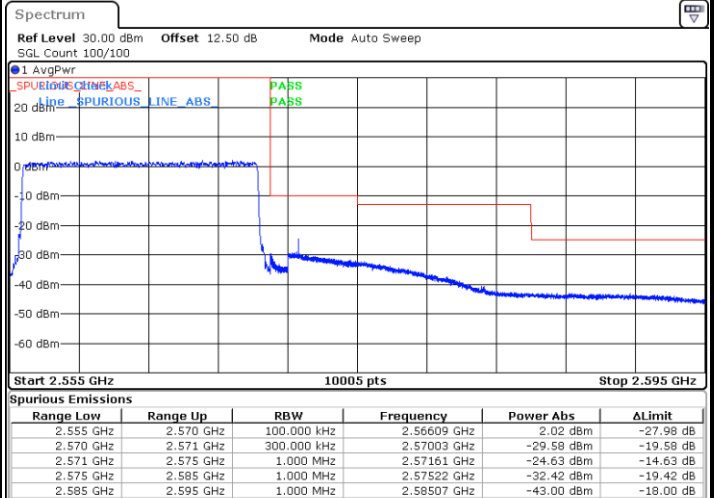
Date: 24.DEC.2021 09:26:16

Lowest Band Edge / Full RB



Date: 24.DEC.2021 09:21:10

Highest Band Edge / Full RB

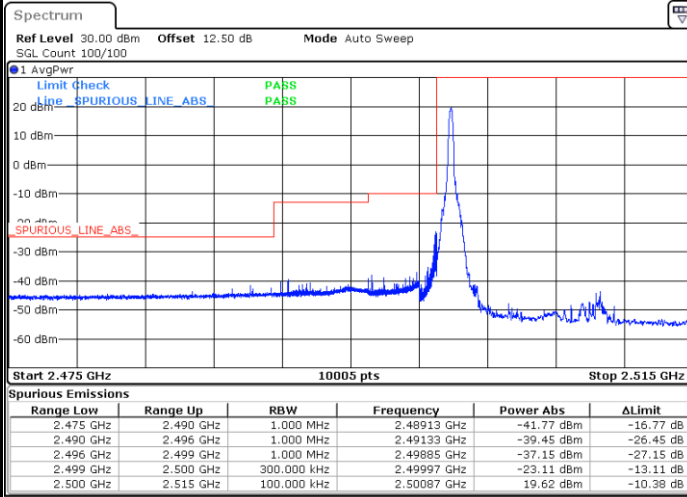


Date: 24.DEC.2021 09:27:07



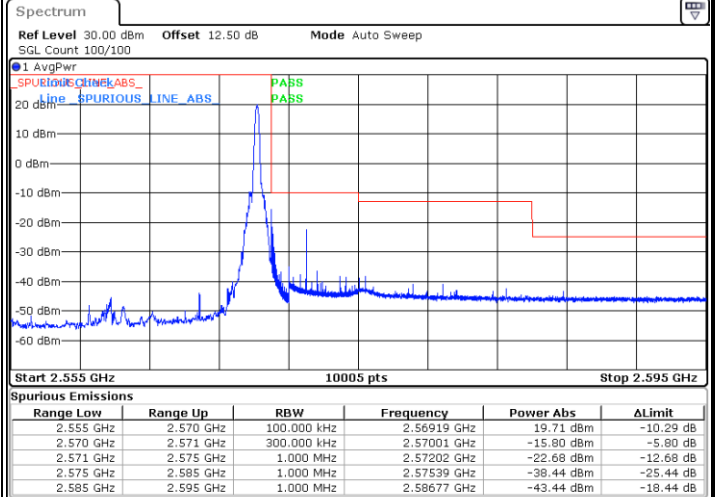
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



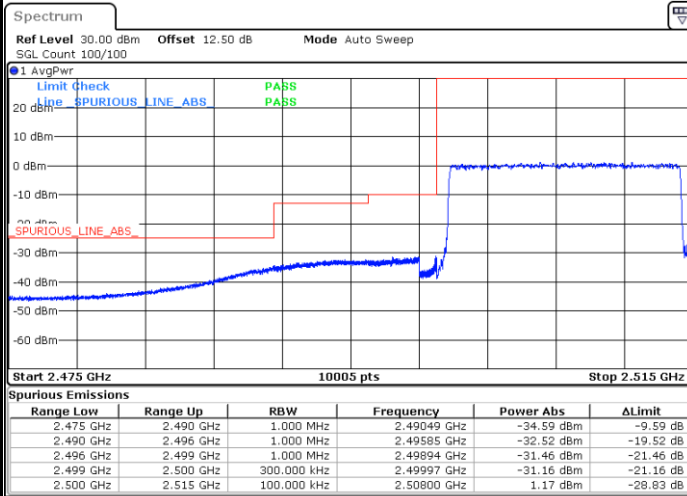
Date: 24.DEC.2021 09:20:45

Highest Band Edge / 1 RB



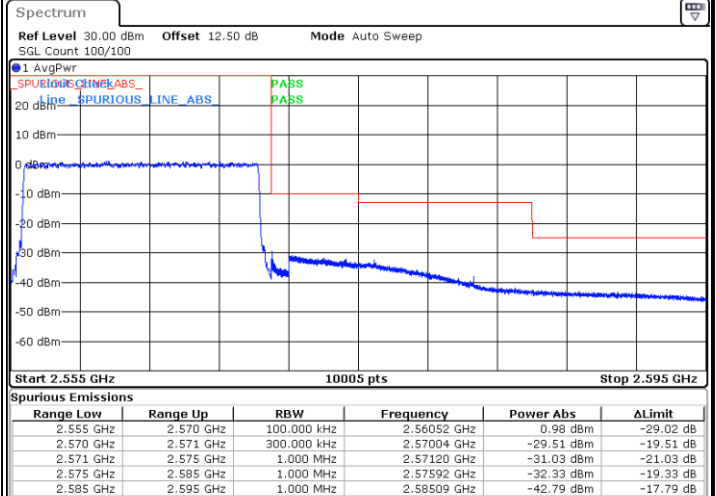
Date: 24.DEC.2021 09:26:41

Lowest Band Edge / Full RB



Date: 24.DEC.2021 09:21:36

Highest Band Edge / Full RB

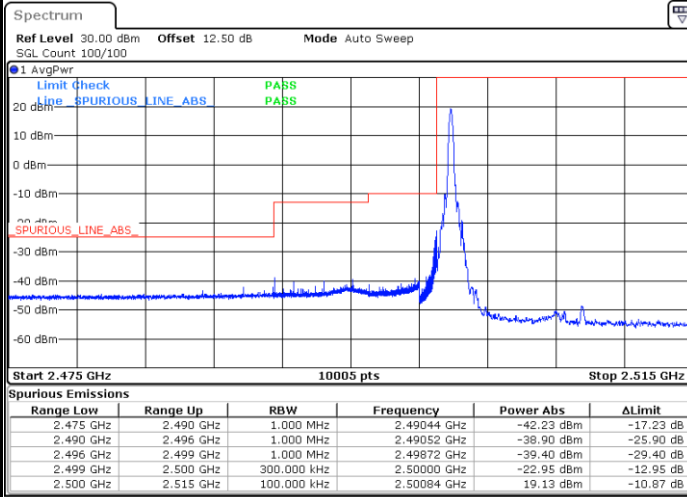


Date: 24.DEC.2021 09:27:32



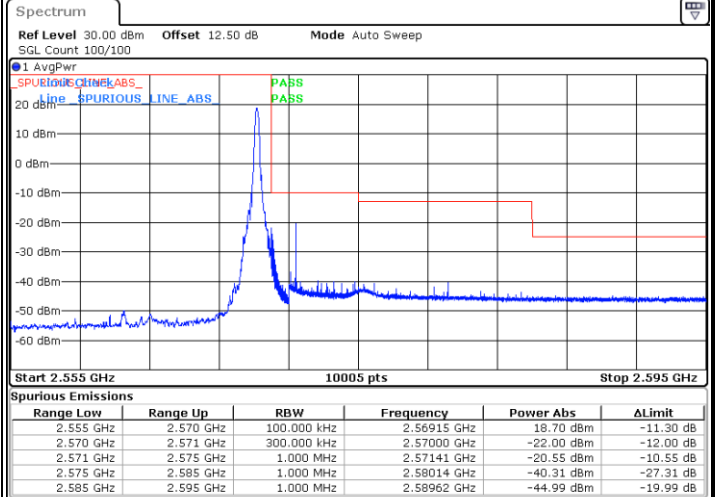
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



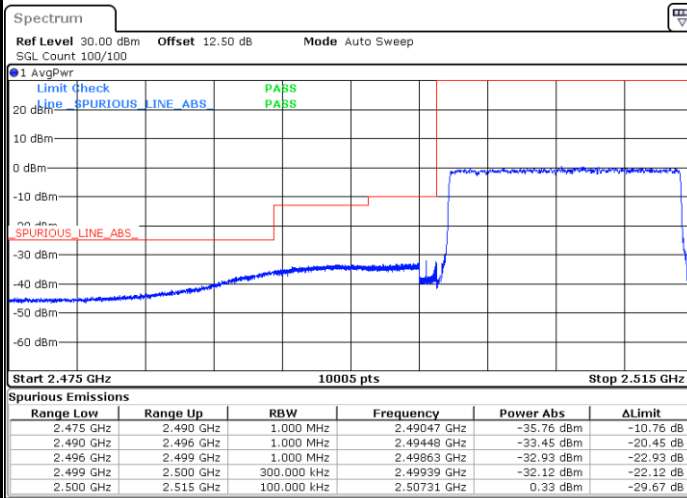
Date: 24.DEC.2021 09:30:46

Highest Band Edge / 1 RB



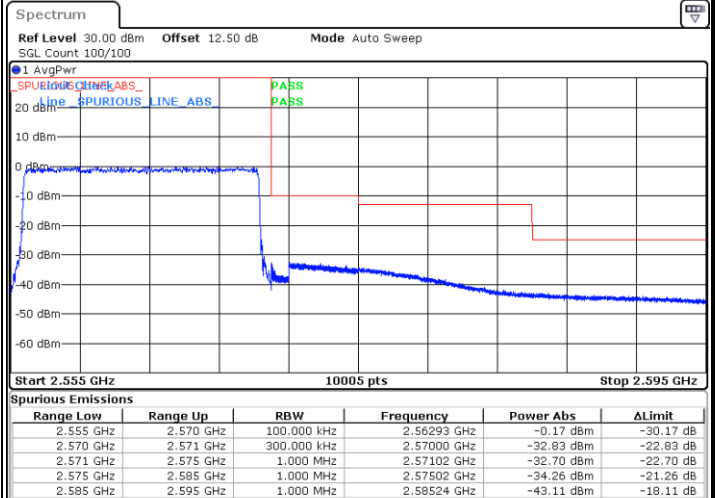
Date: 24.DEC.2021 09:32:19

Lowest Band Edge / Full RB



Date: 24.DEC.2021 09:31:12

Highest Band Edge / Full RB

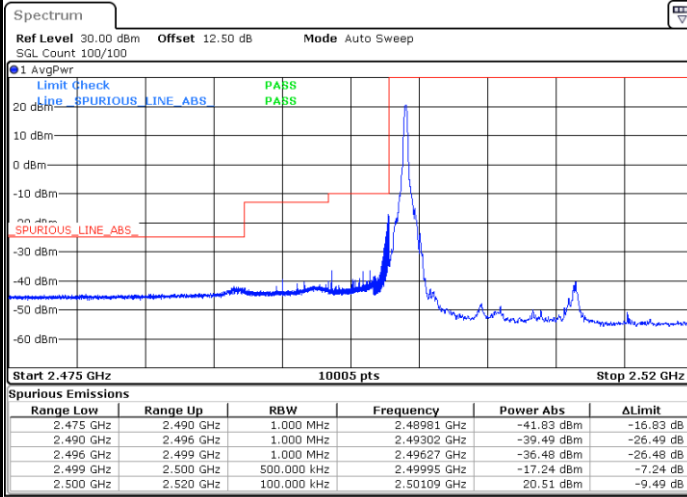


Date: 24.DEC.2021 09:32:44



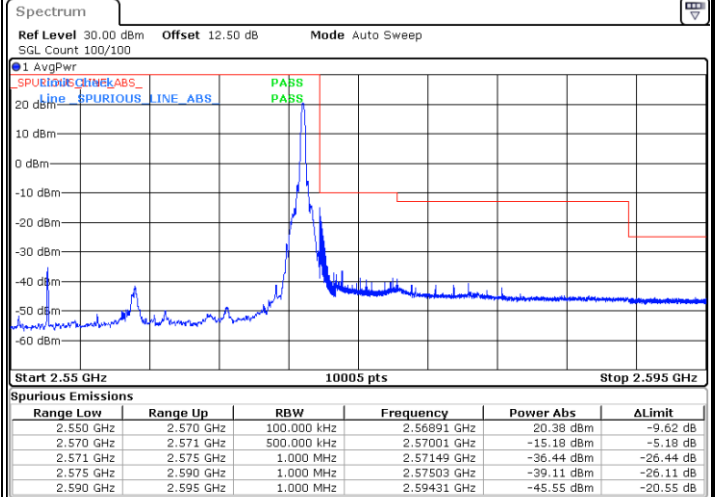
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



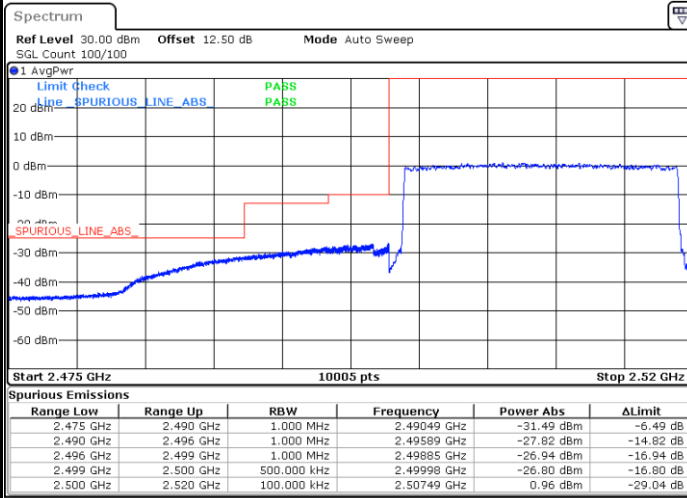
Date: 24.DEC.2021 09:52:39

Highest Band Edge / 1 RB



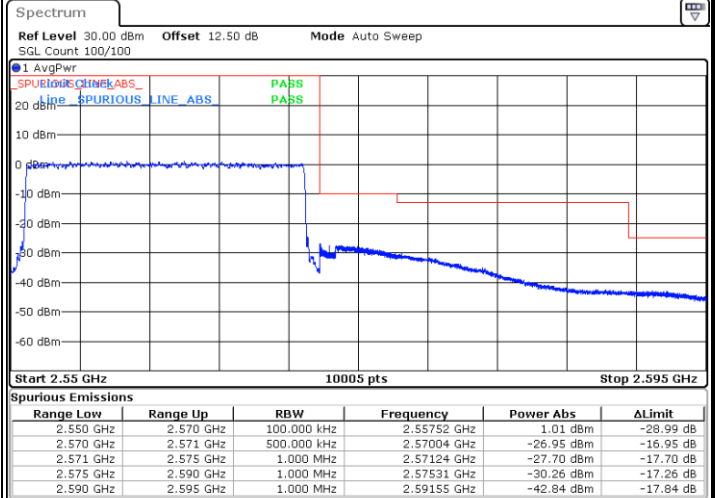
Date: 24.DEC.2021 10:07:24

Lowest Band Edge / Full RB



Date: 24.DEC.2021 09:59:31

Highest Band Edge / Full RB



Date: 24.DEC.2021 10:08:40