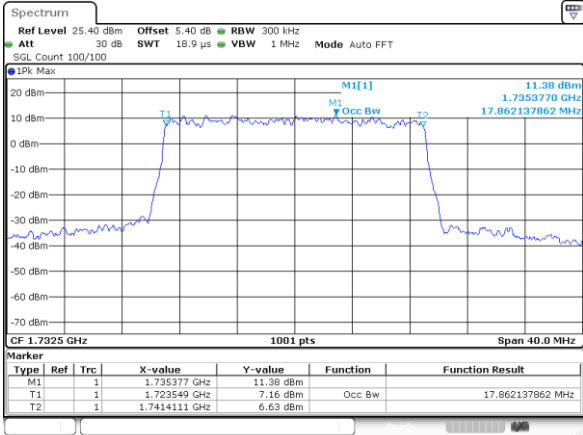




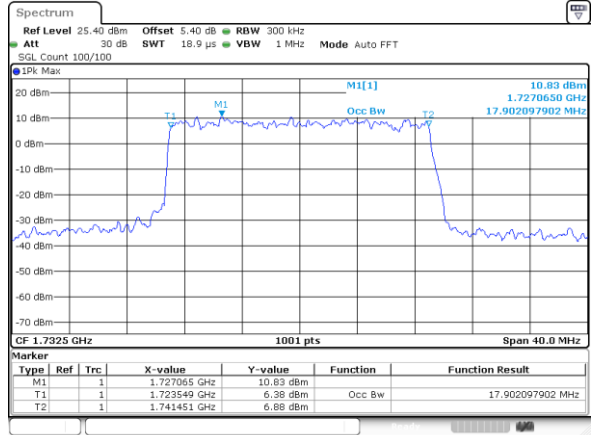
LTE Band 4

Middle Channel / 20MHz / QPSK



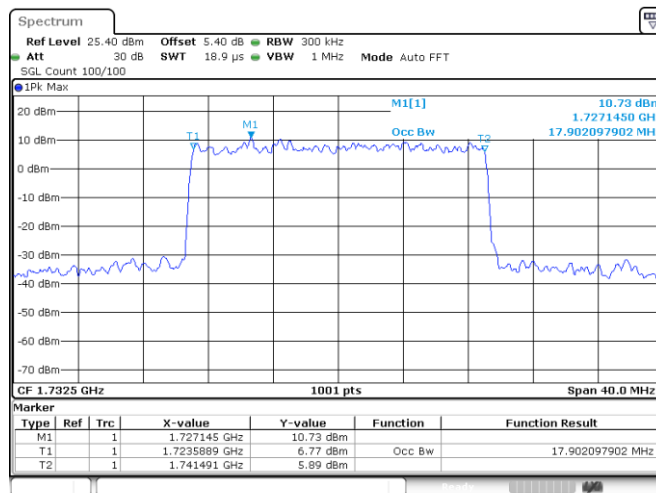
Date: 28.DEC.2021 08:27:05

Middle Channel / 20MHz / 16QAM



Date: 28.DEC.2021 08:27:47

Middle Channel / 20MHz / 64QAM

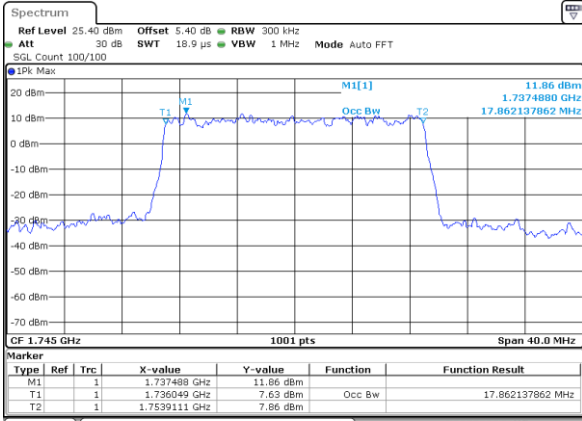


Date: 28.DEC.2021 08:28:28



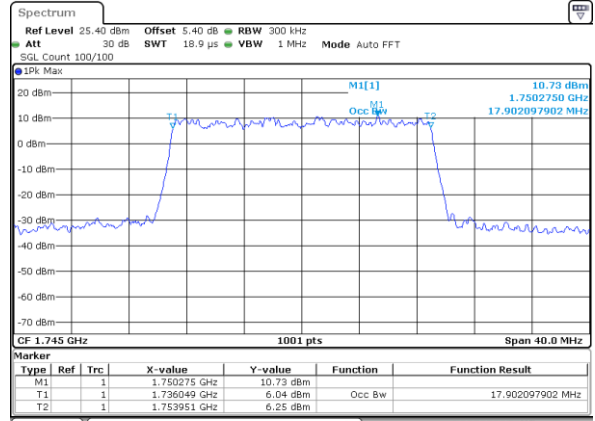
LTE Band 4

Highest Channel / 20MHz / QPSK



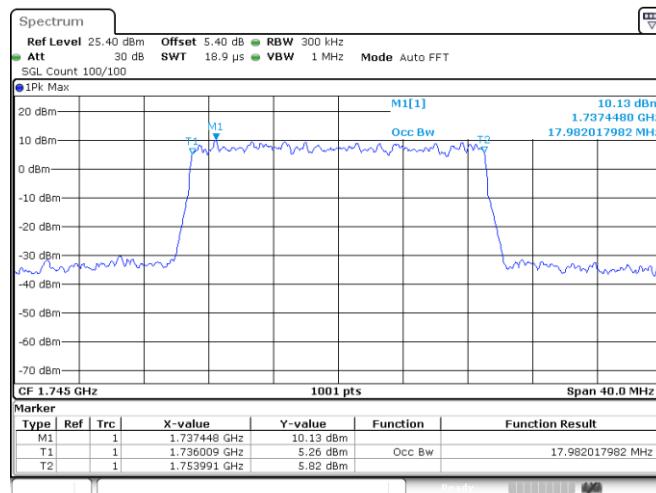
Date: 28. DEC. 2021 08:29:10

Highest Channel / 20MHz / 16QAM



Date: 28. DEC. 2021 08:30:30

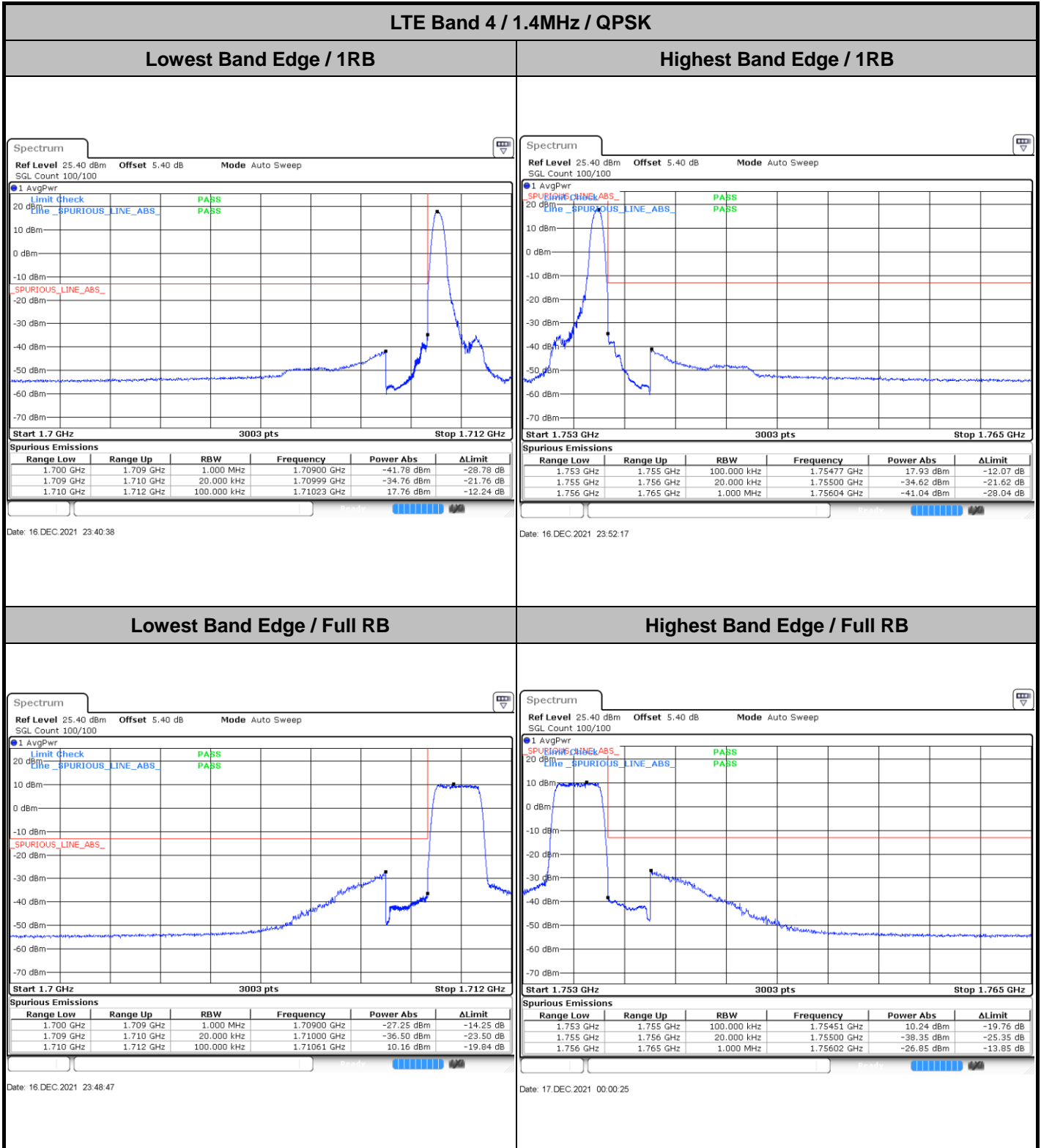
Highest Channel / 20MHz / 64QAM



Date: 28. DEC. 2021 08:31:12



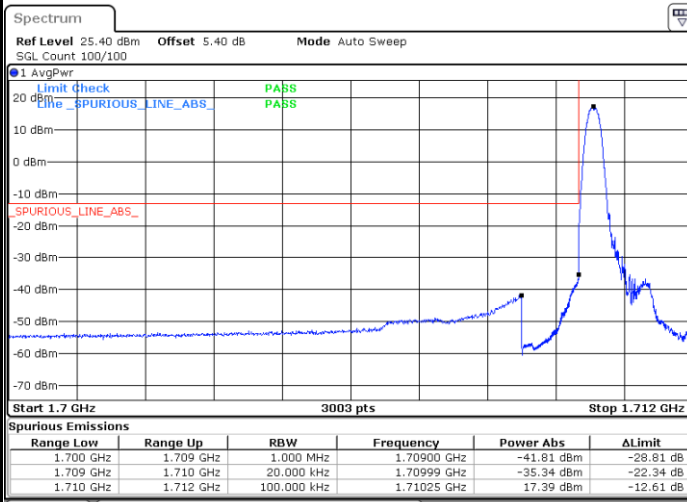
Conducted Band Edge





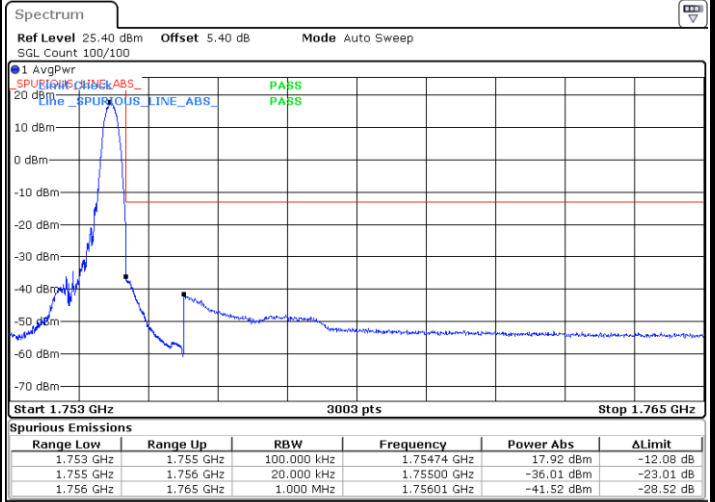
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



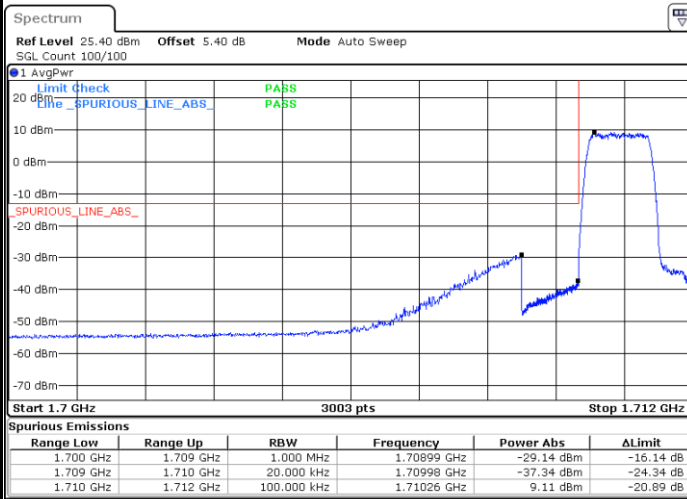
Date: 16 DEC 2021 23:42:15

Highest Band Edge / 1 RB



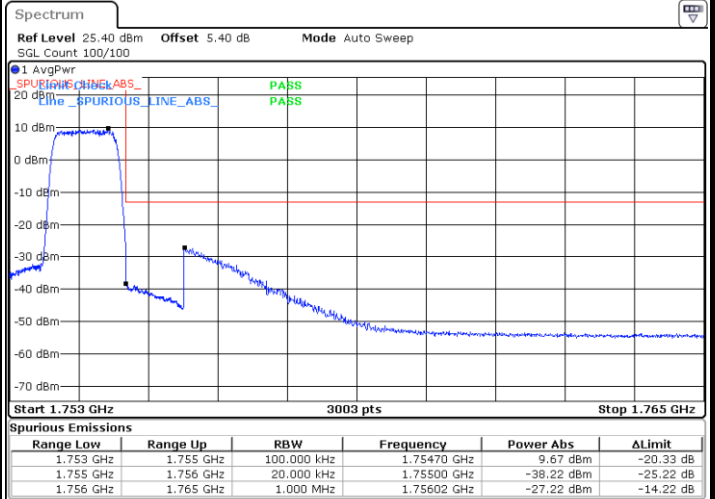
Date: 16 DEC 2021 23:53:54

Lowest Band Edge / Full RB



Date: 16 DEC 2021 23:47:09

Highest Band Edge / Full RB

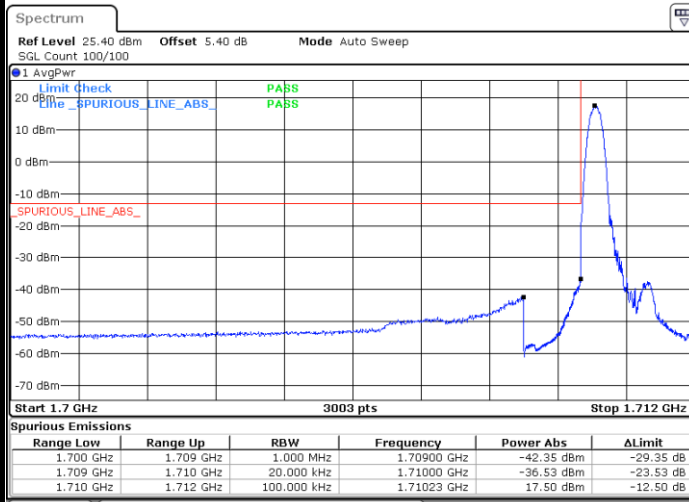


Date: 16 DEC 2021 23:58:48



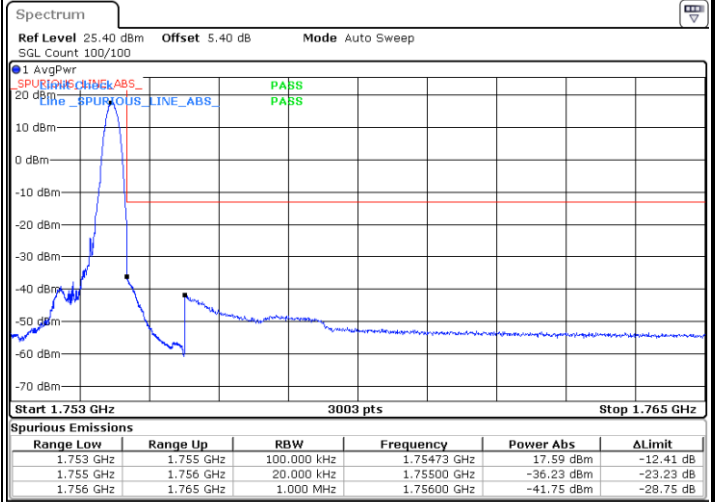
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



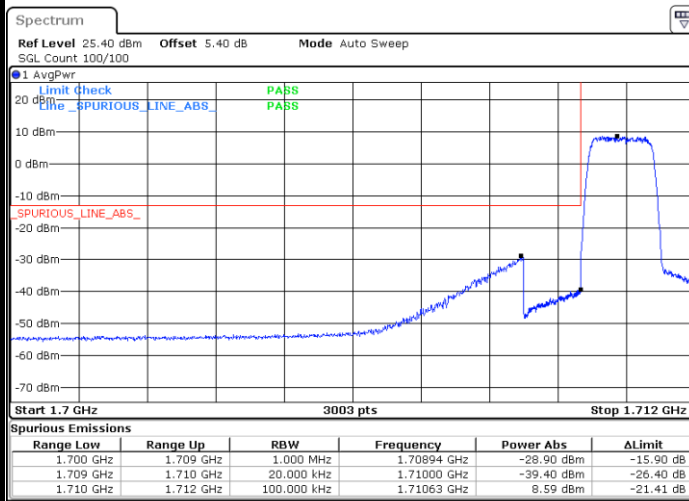
Date: 16 DEC 2021 23:43:53

Highest Band Edge / 1 RB



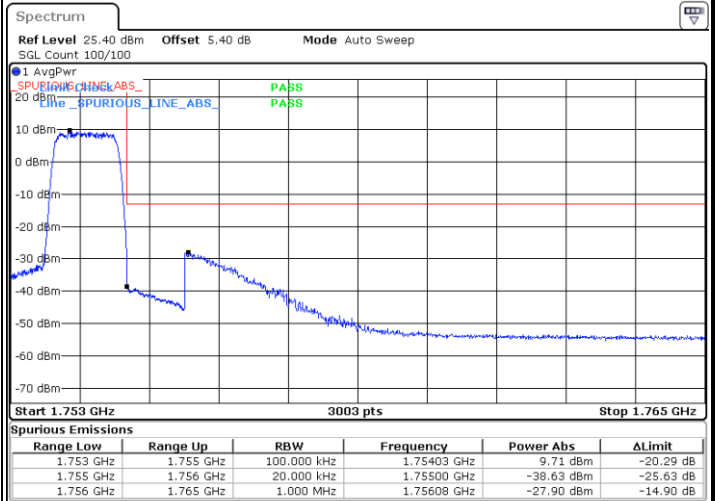
Date: 16 DEC 2021 23:55:32

Lowest Band Edge / Full RB



Date: 16 DEC 2021 23:45:31

Highest Band Edge / Full RB

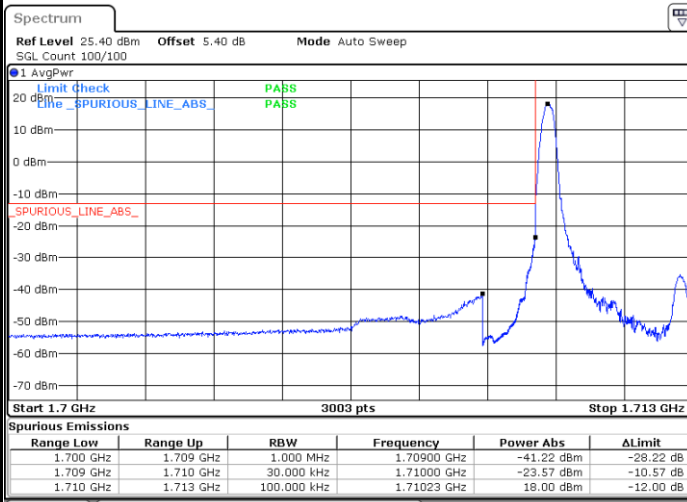


Date: 16 DEC 2021 23:57:10



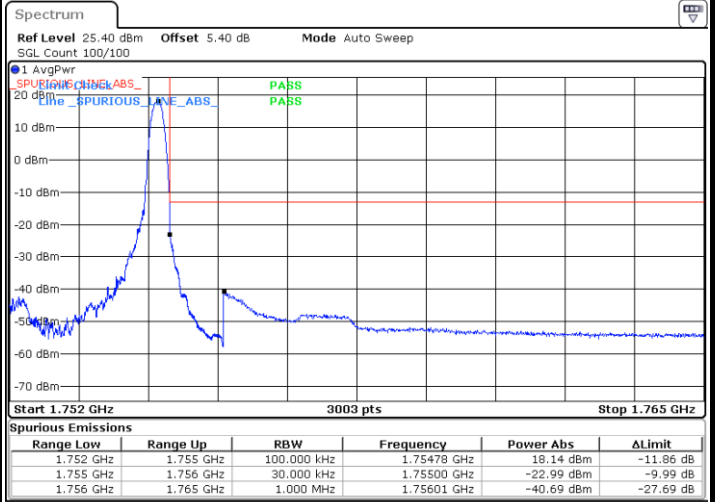
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



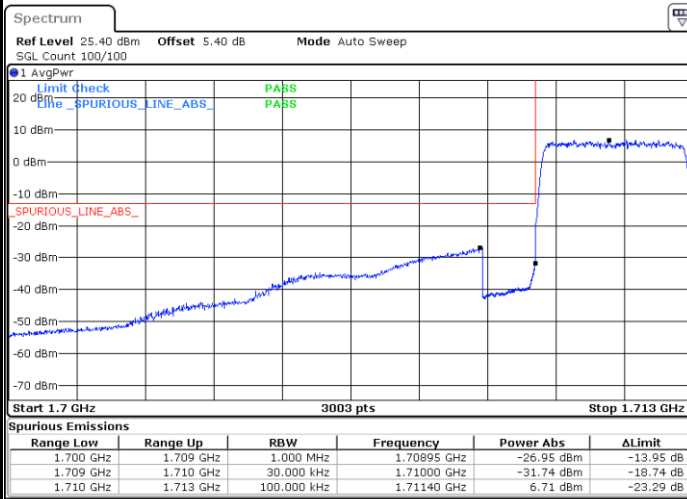
Date: 17.DEC.2021 00:02:49

Highest Band Edge / 1 RB



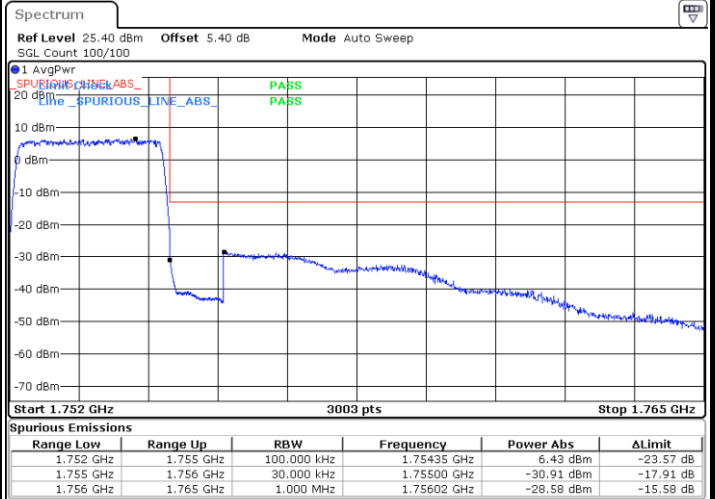
Date: 17.DEC.2021 00:14:28

Lowest Band Edge / Full RB



Date: 17.DEC.2021 00:10:58

Highest Band Edge / Full RB

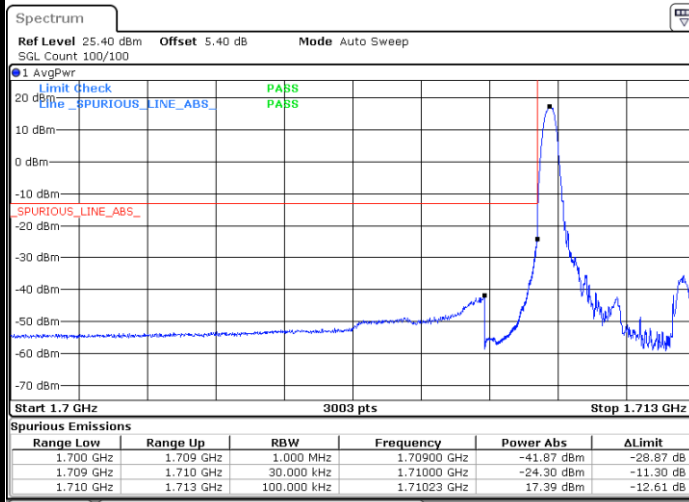


Date: 17.DEC.2021 00:22:38



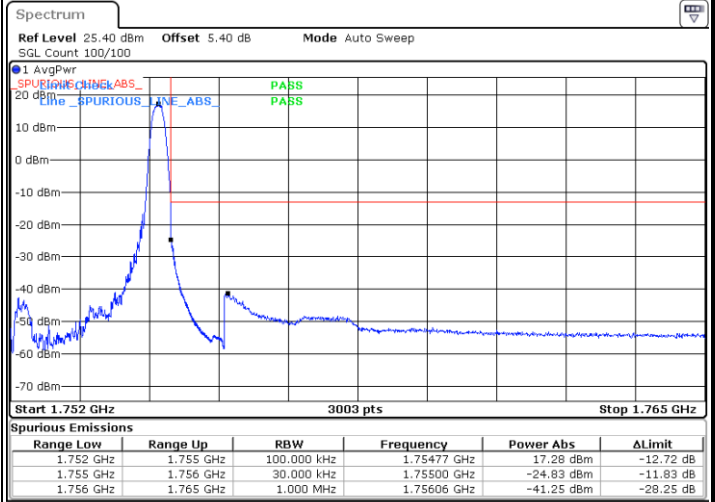
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



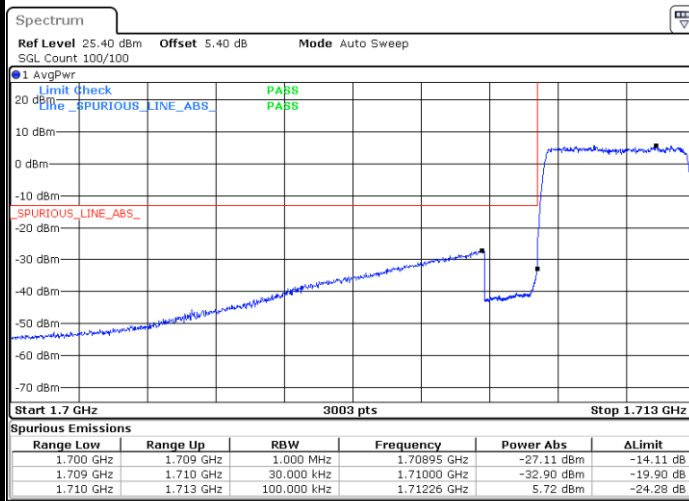
Date: 17.DEC.2021 00:04:27

Highest Band Edge / 1 RB



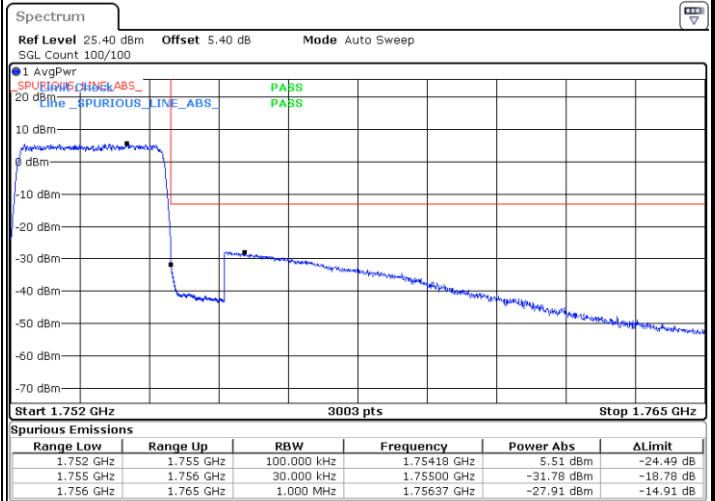
Date: 17.DEC.2021 00:16:07

Lowest Band Edge / Full RB



Date: 17.DEC.2021 00:09:20

Highest Band Edge / Full RB

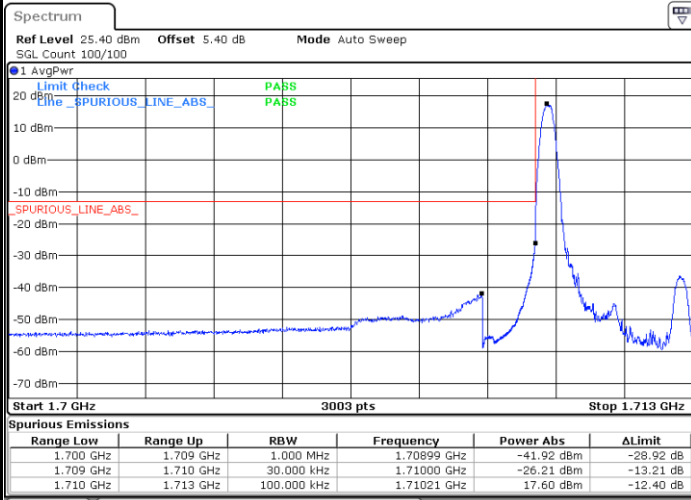


Date: 17.DEC.2021 00:21:01



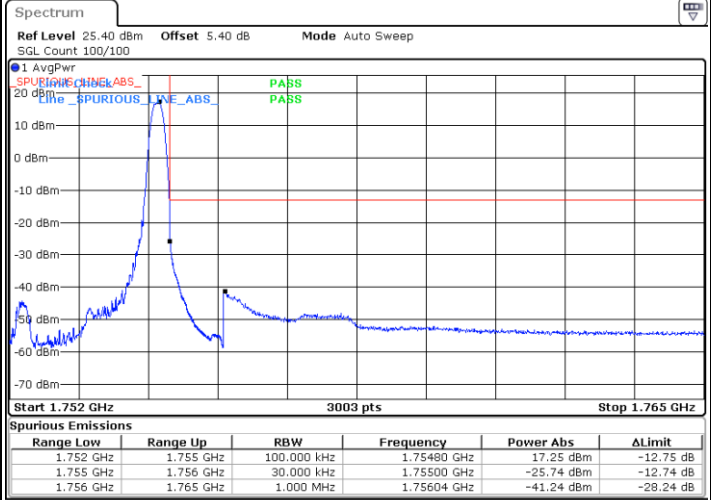
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



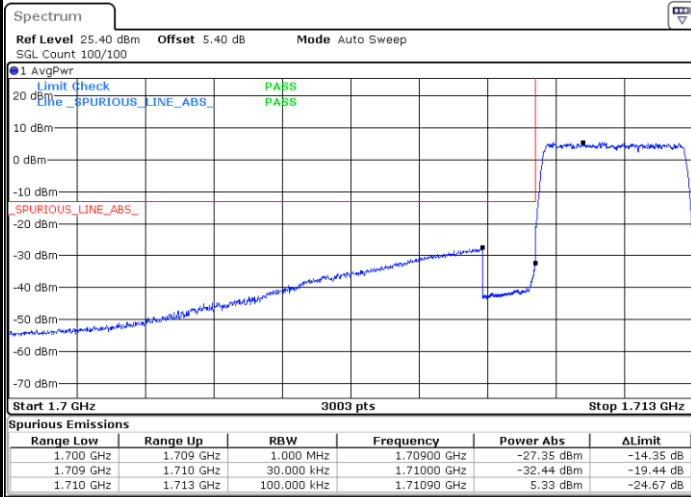
Date: 17.DEC.2021 00:06:04

Highest Band Edge / 1 RB



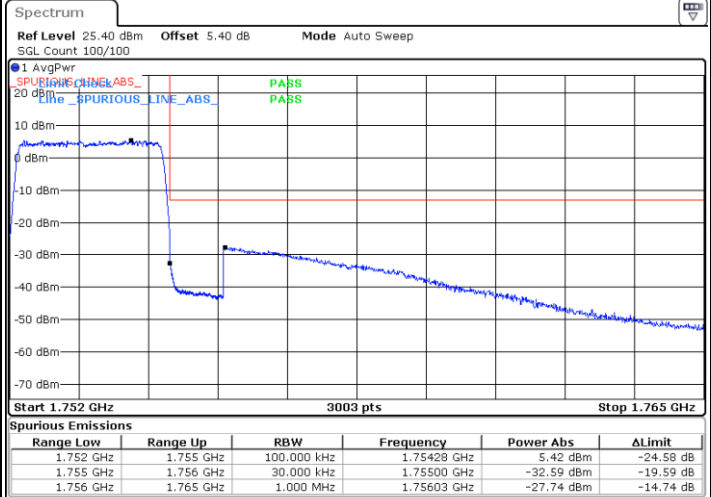
Date: 17.DEC.2021 00:17:44

Lowest Band Edge / Full RB



Date: 17.DEC.2021 00:07:42

Highest Band Edge / Full RB



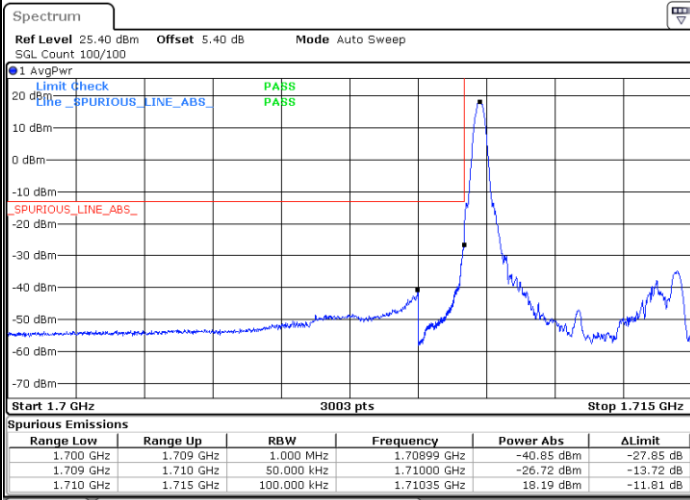
Date: 17.DEC.2021 00:19:22



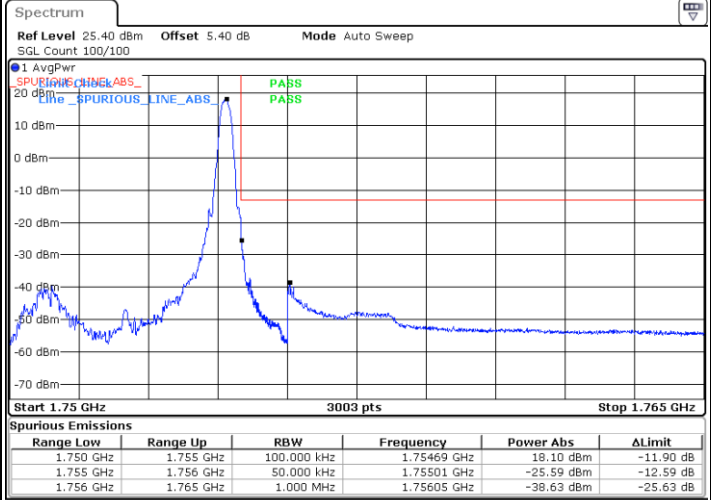
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



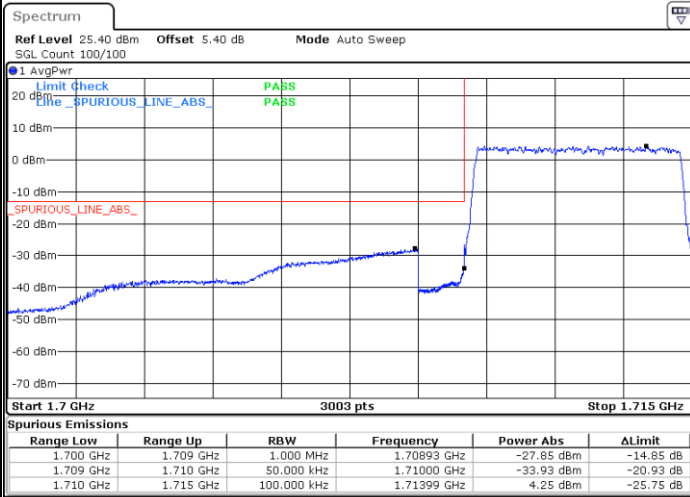
Date: 17.DEC.2021 00:25:03



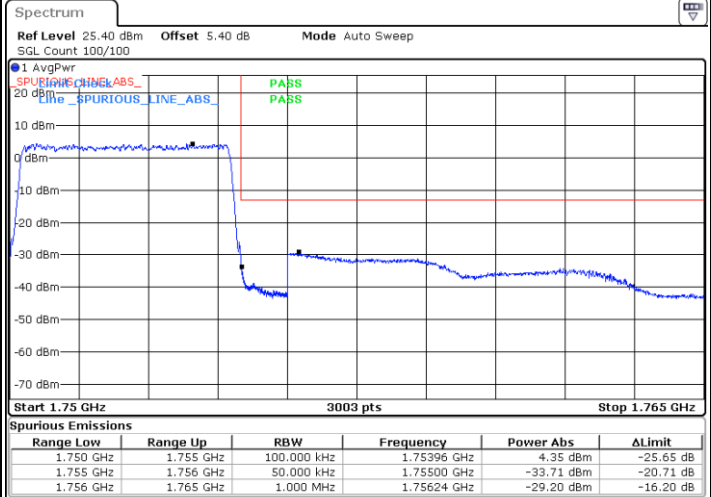
Date: 17.DEC.2021 00:36:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.DEC.2021 00:33:15

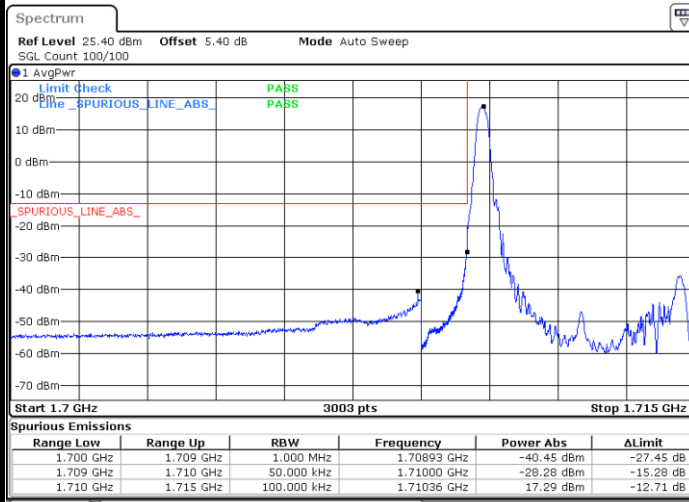


Date: 17.DEC.2021 00:44:57



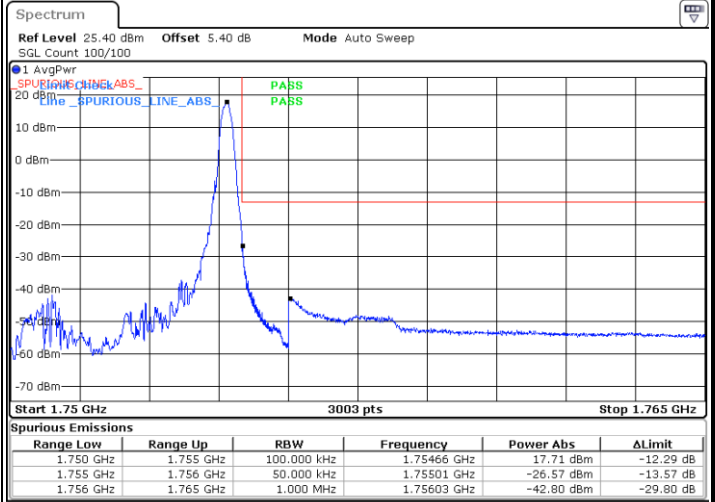
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



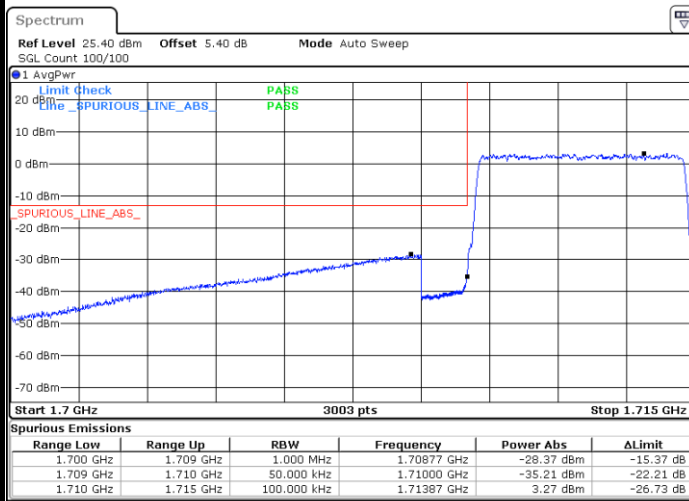
Date: 17.DEC.2021 00:26:41

Highest Band Edge / 1 RB



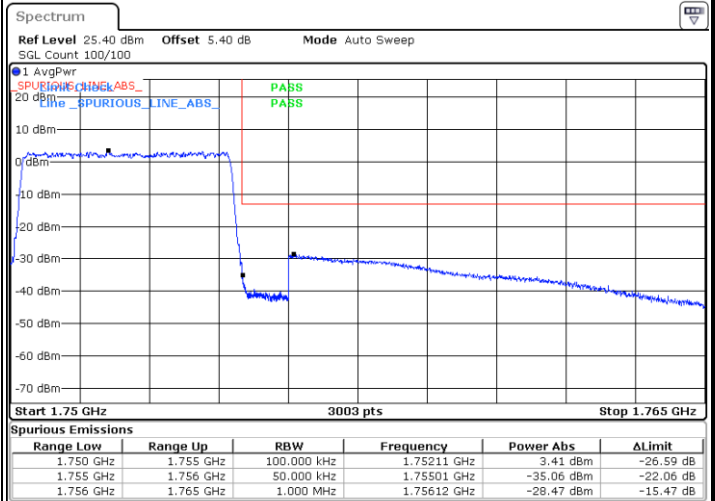
Date: 17.DEC.2021 00:38:26

Lowest Band Edge / Full RB



Date: 17.DEC.2021 00:31:37

Highest Band Edge / Full RB

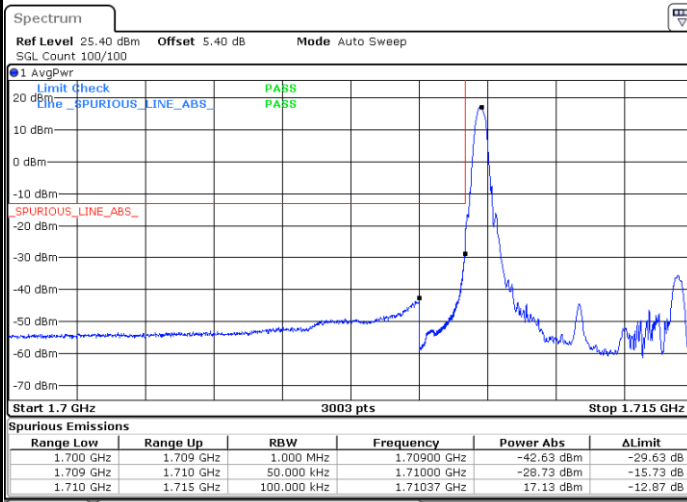


Date: 17.DEC.2021 00:43:19



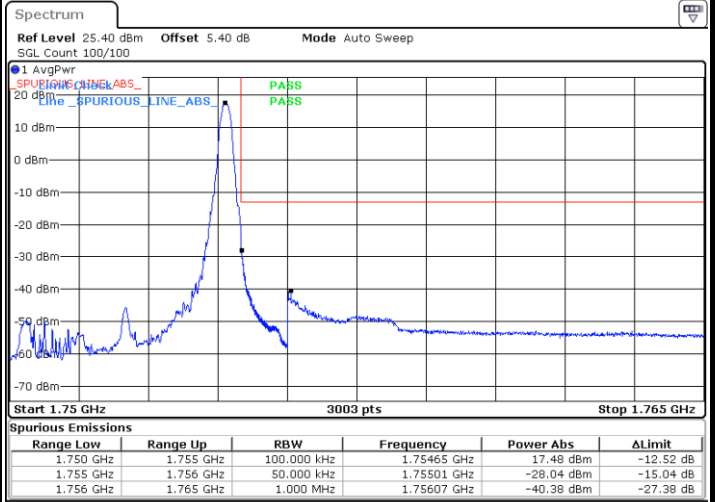
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



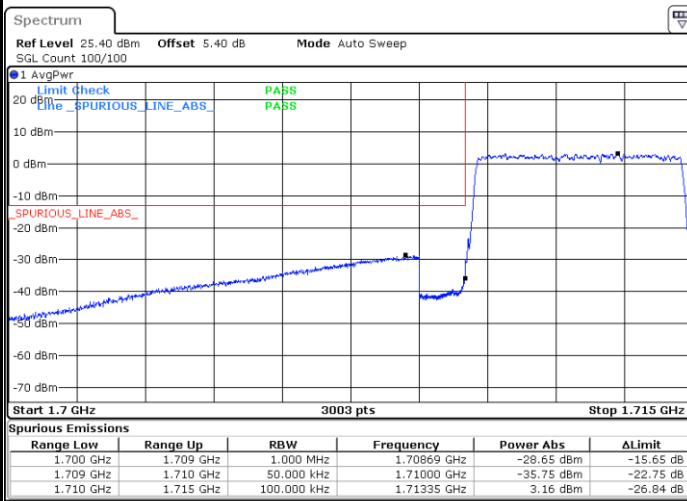
Date: 17.DEC.2021 00:28:19

Highest Band Edge / 1 RB



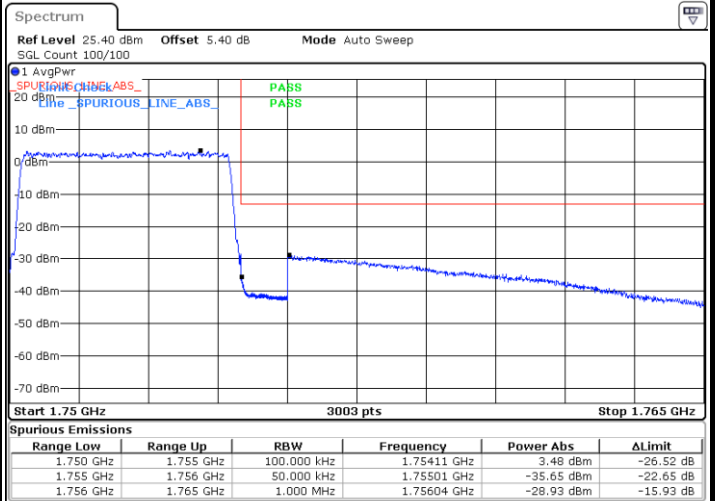
Date: 17.DEC.2021 00:40:03

Lowest Band Edge / Full RB



Date: 17.DEC.2021 00:29:58

Highest Band Edge / Full RB

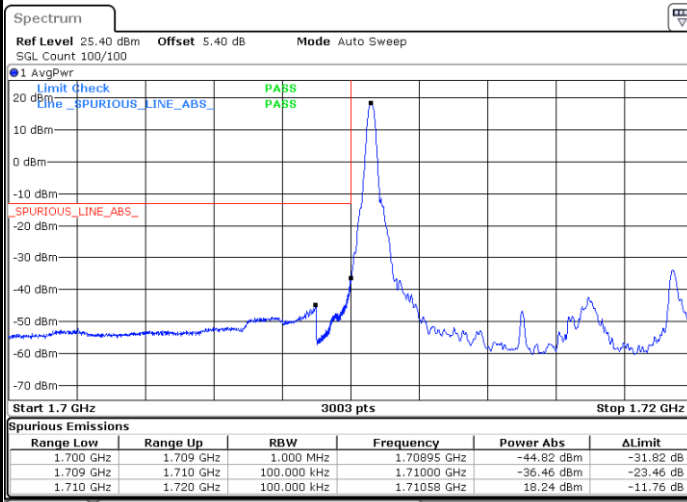


Date: 17.DEC.2021 00:41:41



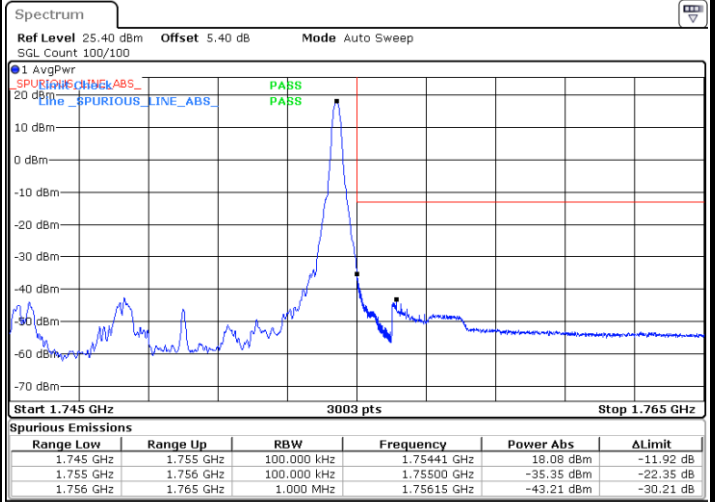
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



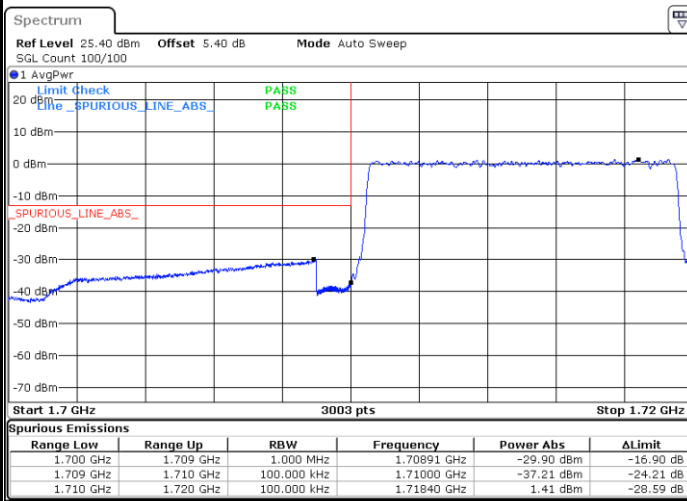
Date: 17.DEC.2021 00:47:20

Highest Band Edge / 1 RB



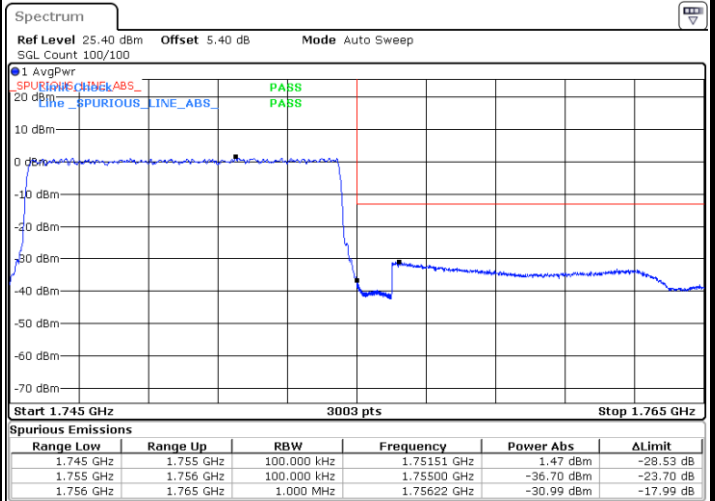
Date: 17.DEC.2021 00:58:58

Lowest Band Edge / Full RB



Date: 17.DEC.2021 00:55:29

Highest Band Edge / Full RB

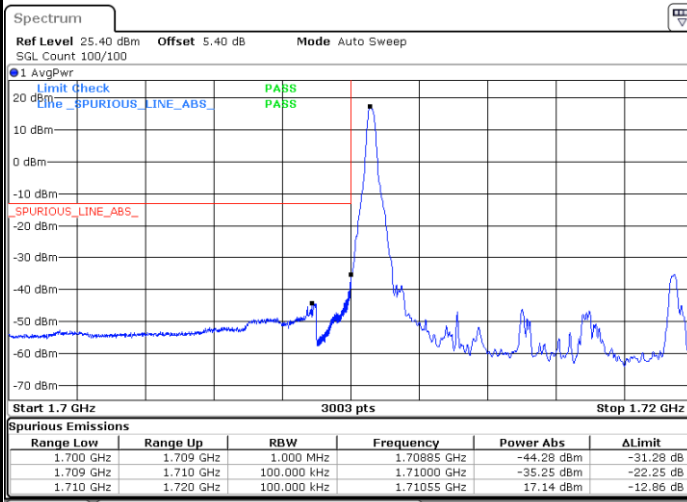


Date: 17.DEC.2021 01:07:07



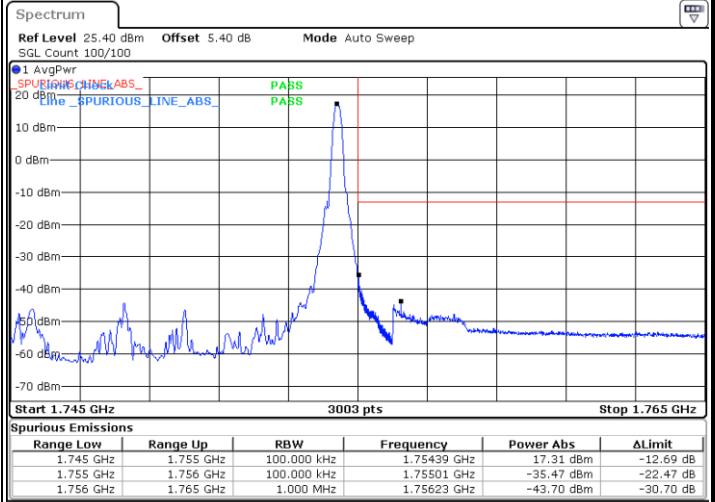
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



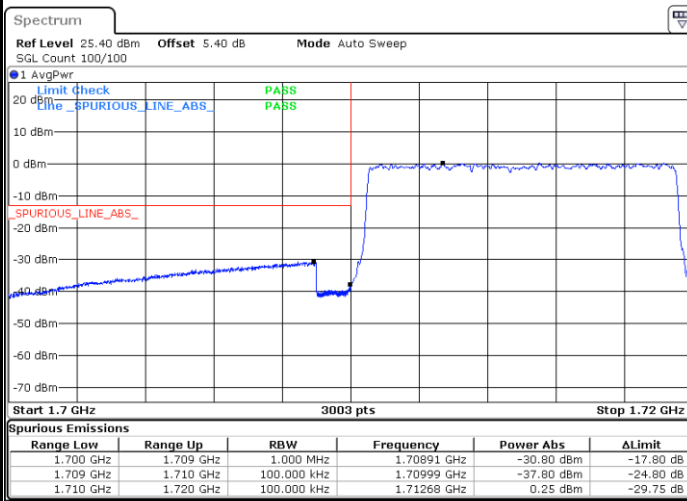
Date: 17.DEC.2021 00:48:58

Highest Band Edge / 1 RB



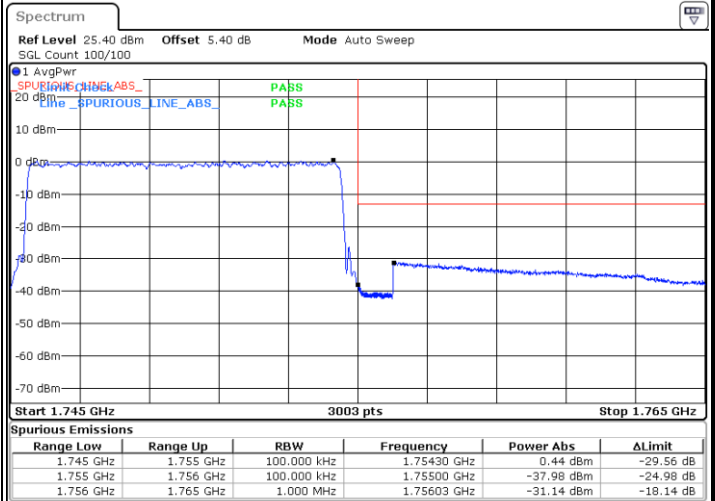
Date: 17.DEC.2021 01:00:36

Lowest Band Edge / Full RB



Date: 17.DEC.2021 00:53:52

Highest Band Edge / Full RB

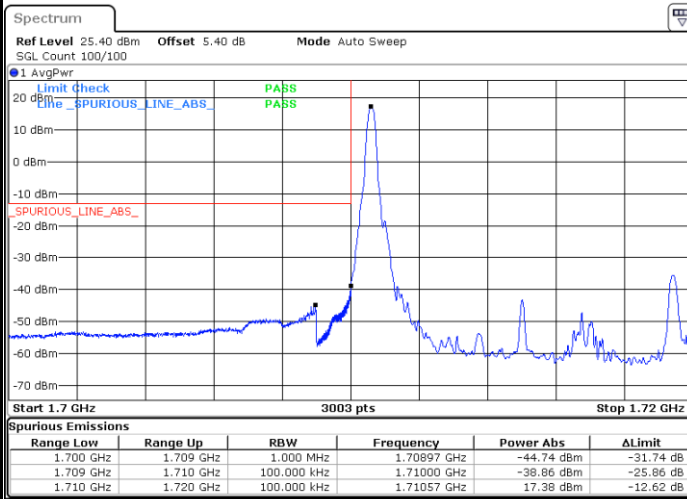


Date: 17.DEC.2021 01:05:30



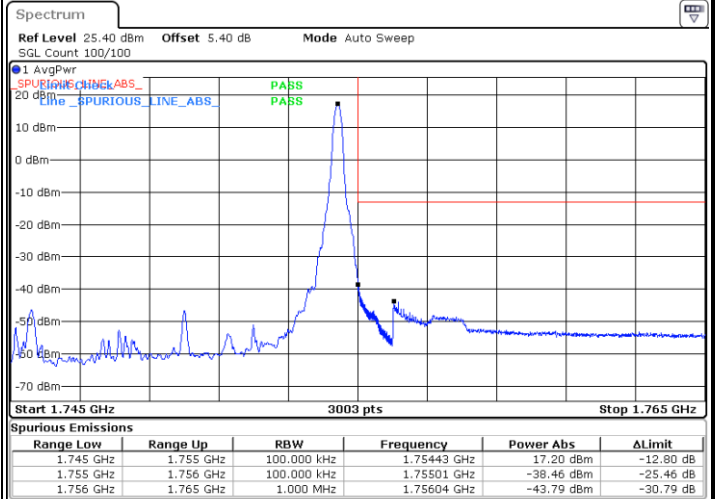
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



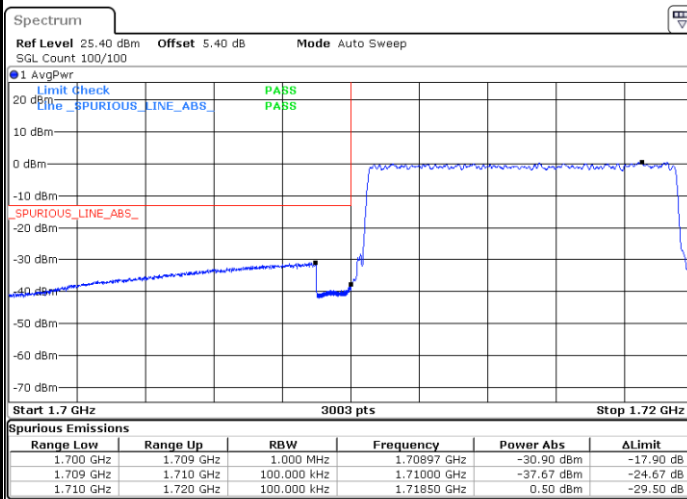
Date: 17.DEC.2021 00:50:36

Highest Band Edge / 1 RB



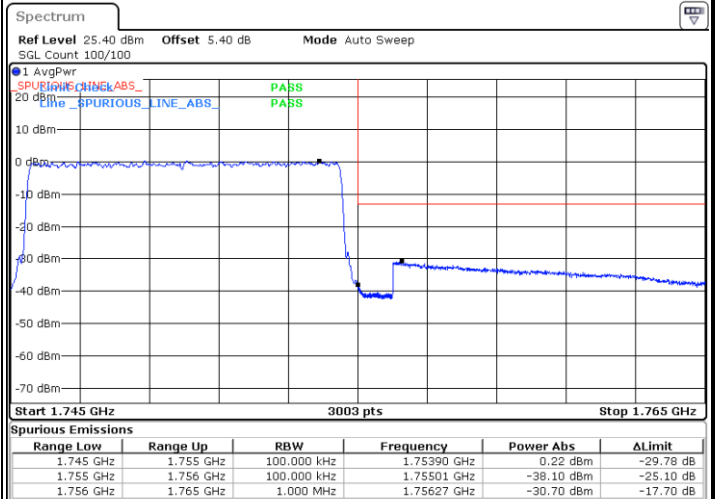
Date: 17.DEC.2021 01:02:14

Lowest Band Edge / Full RB



Date: 17.DEC.2021 00:52:14

Highest Band Edge / Full RB

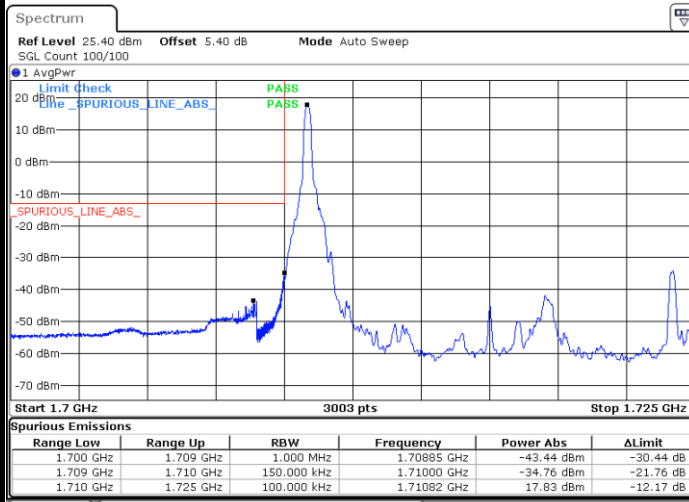


Date: 17.DEC.2021 01:03:52



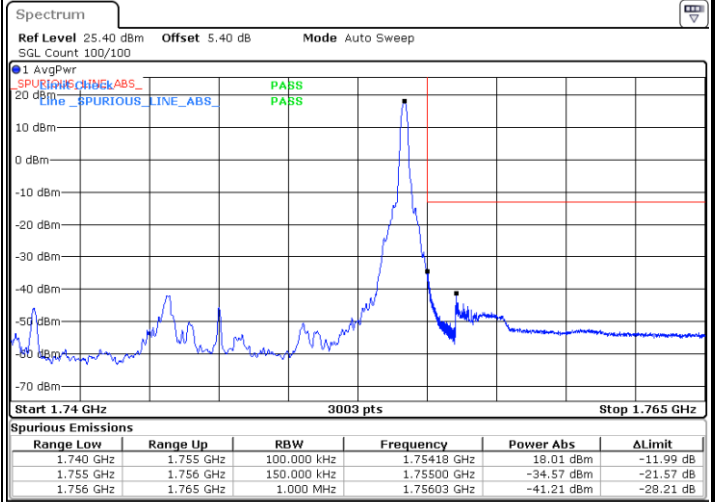
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



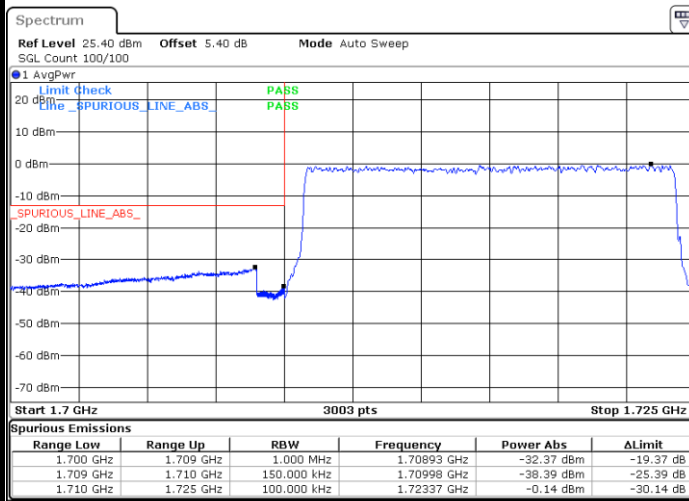
Date: 17.DEC.2021 01:09:30

Highest Band Edge / 1 RB



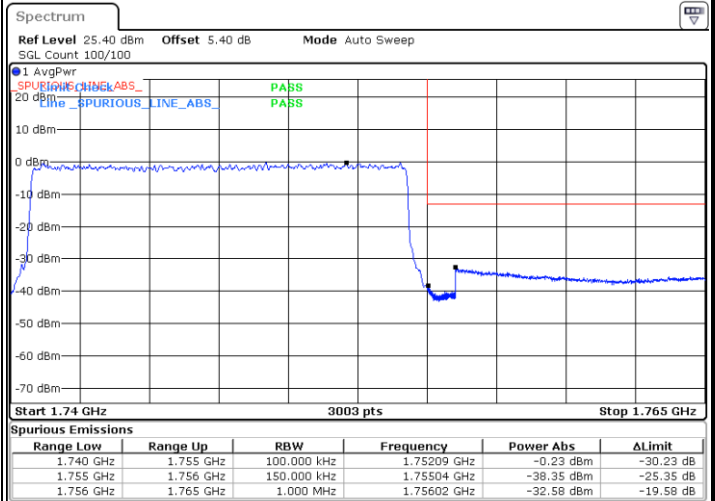
Date: 17.DEC.2021 01:21:08

Lowest Band Edge / Full RB



Date: 17.DEC.2021 01:17:38

Highest Band Edge / Full RB

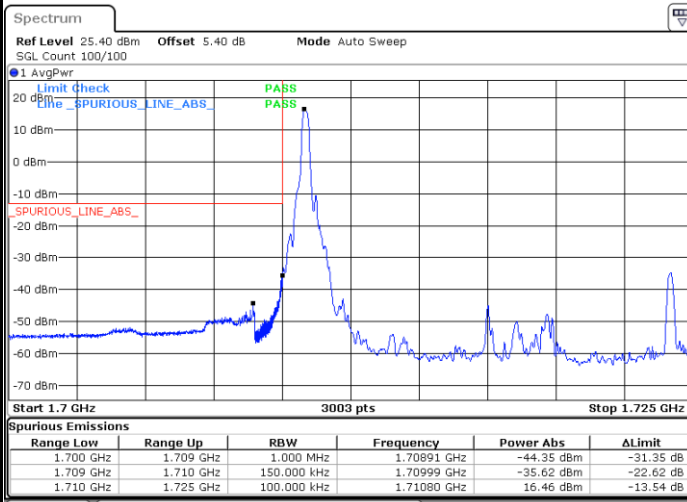


Date: 17.DEC.2021 01:29:16



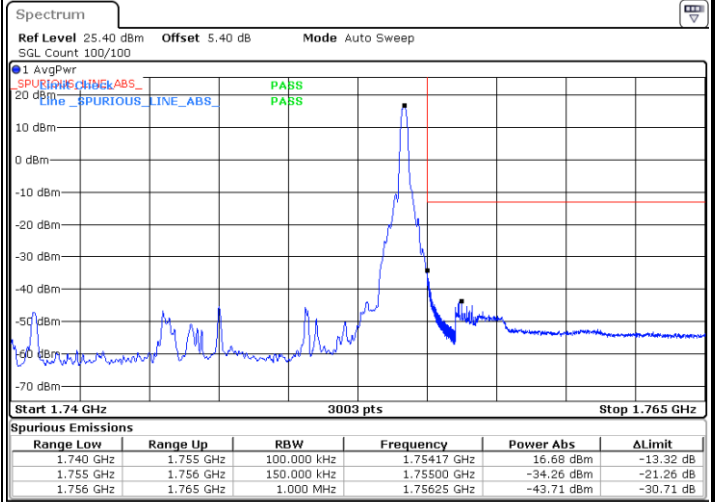
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



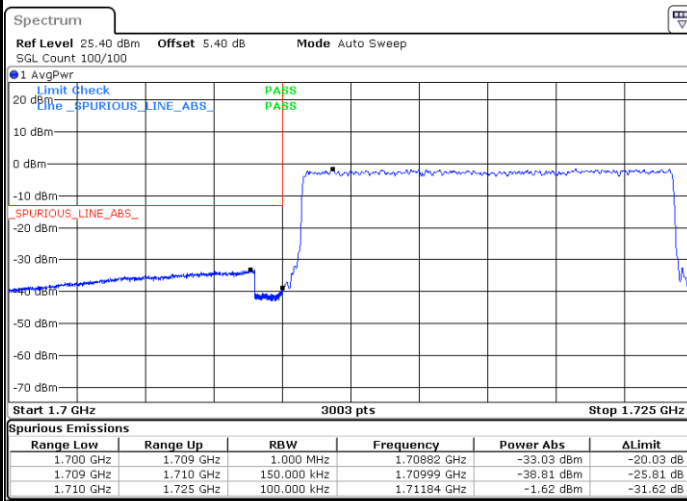
Date: 17.DEC.2021 01:11:08

Highest Band Edge / 1 RB



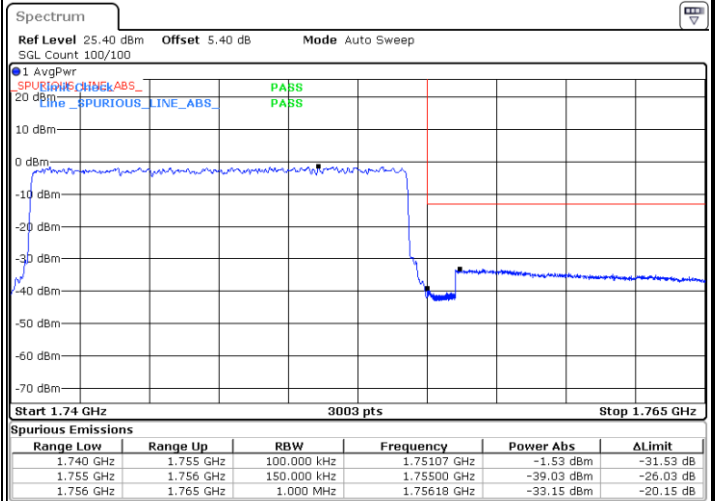
Date: 17.DEC.2021 01:22:46

Lowest Band Edge / Full RB



Date: 17.DEC.2021 01:16:00

Highest Band Edge / Full RB

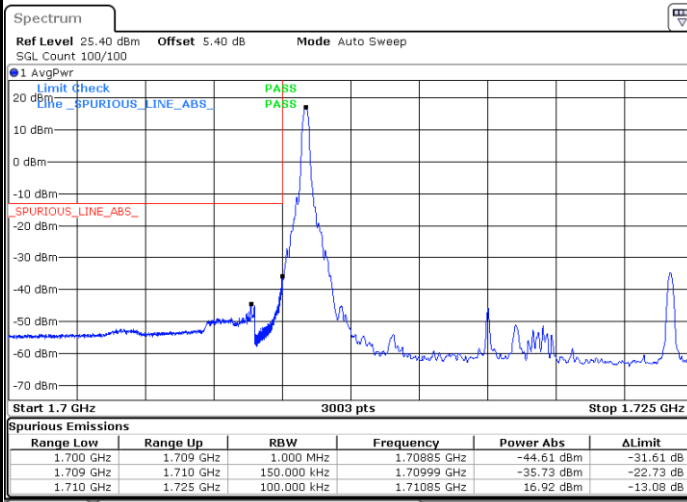


Date: 17.DEC.2021 01:27:38



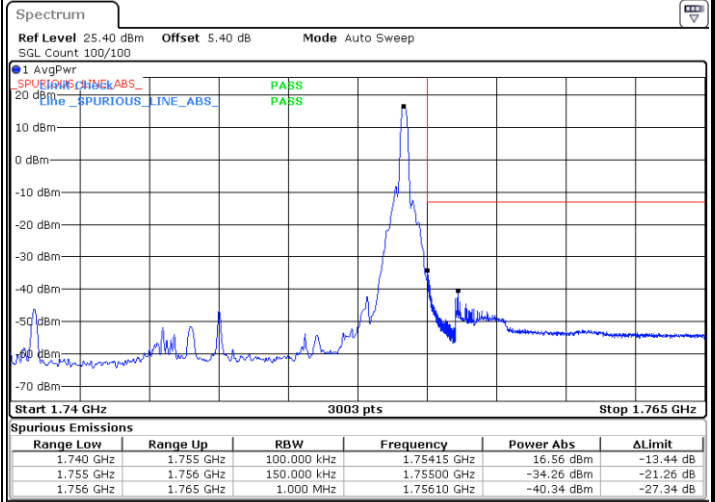
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



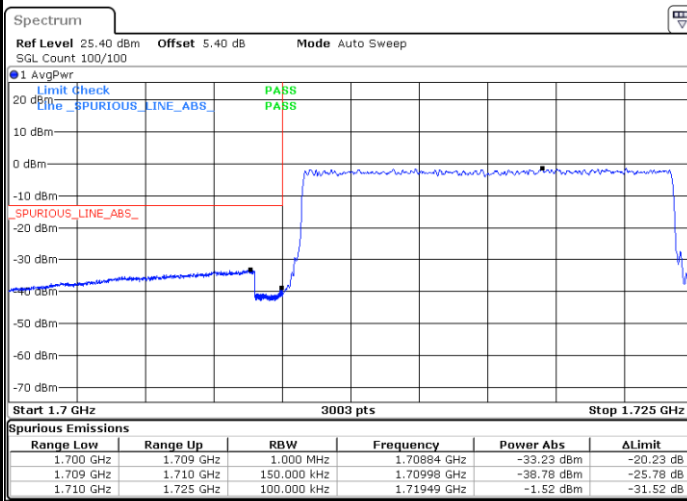
Date: 17.DEC.2021 01:12:45

Highest Band Edge / 1 RB



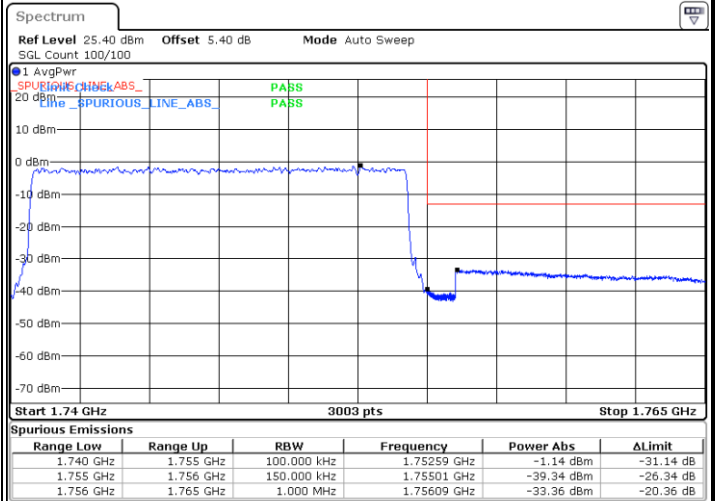
Date: 17.DEC.2021 01:24:22

Lowest Band Edge / Full RB



Date: 17.DEC.2021 01:14:23

Highest Band Edge / Full RB

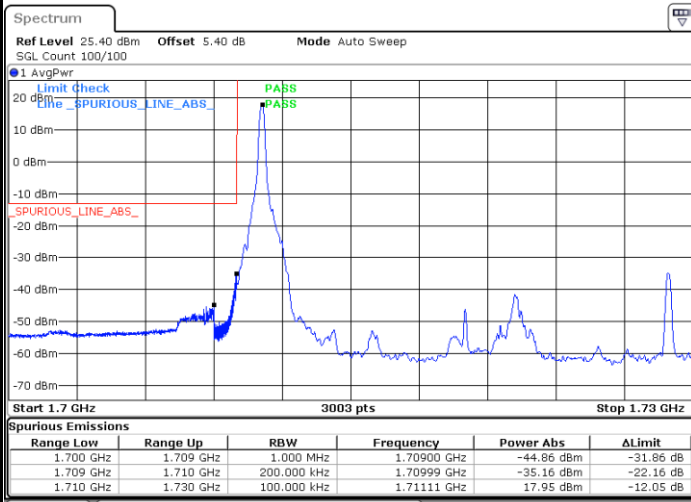


Date: 17.DEC.2021 01:26:01



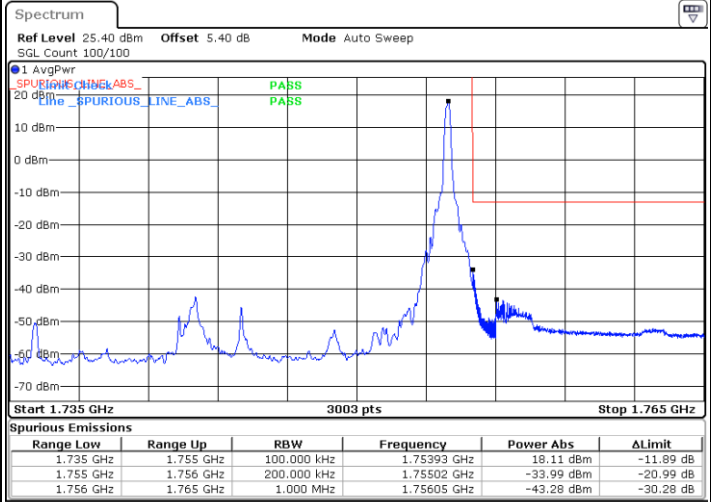
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



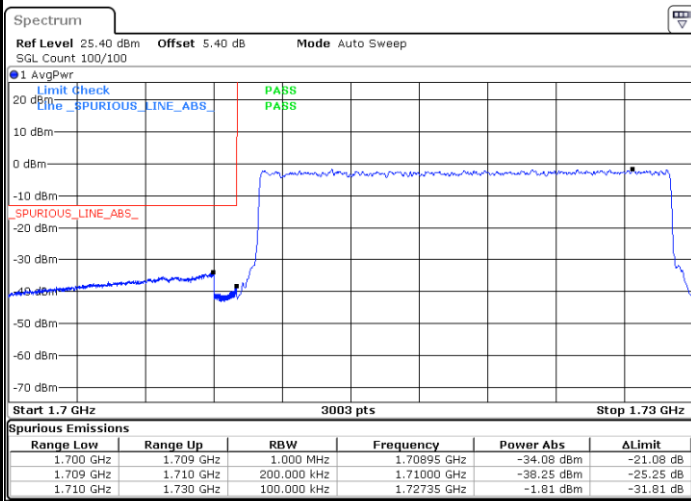
Date: 17.DEC.2021 01:31:41

Highest Band Edge / 1 RB



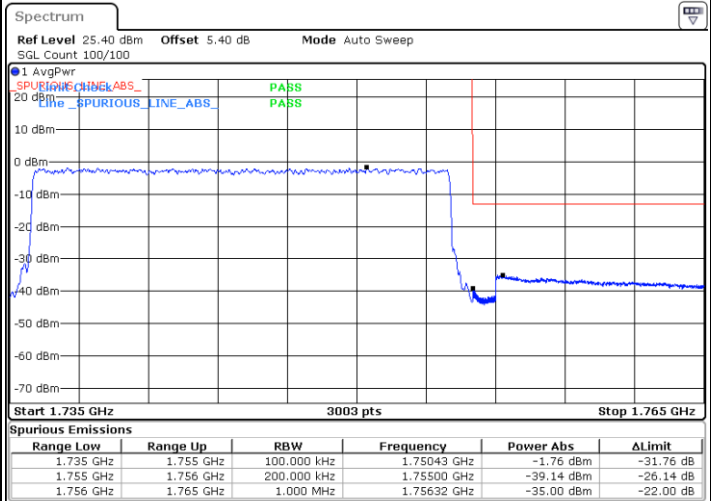
Date: 17.DEC.2021 01:43:19

Lowest Band Edge / Full RB



Date: 17.DEC.2021 01:39:49

Highest Band Edge / Full RB

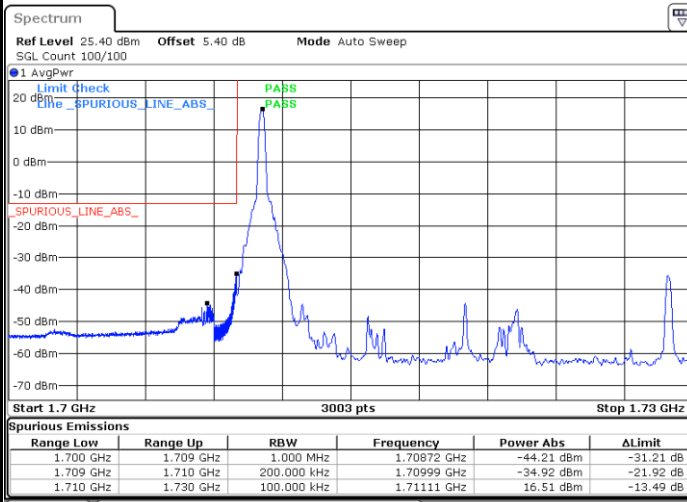


Date: 17.DEC.2021 01:51:26



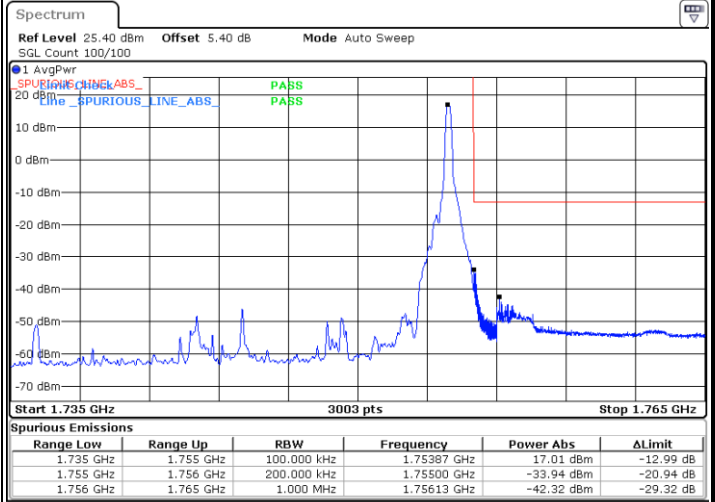
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



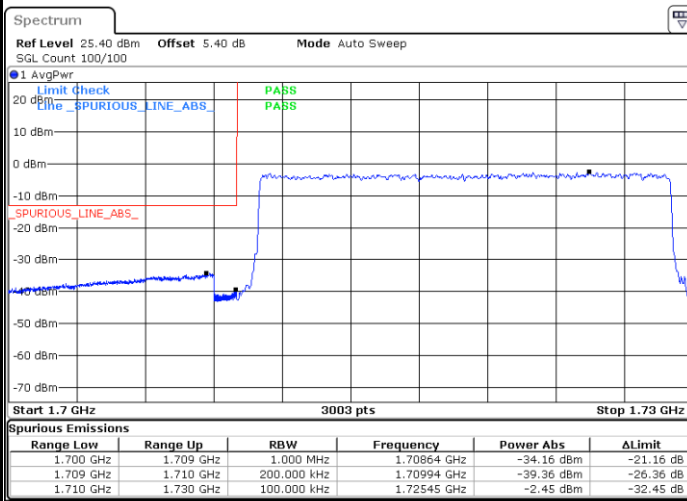
Date: 17.DEC.2021 01:33:19

Highest Band Edge / 1 RB



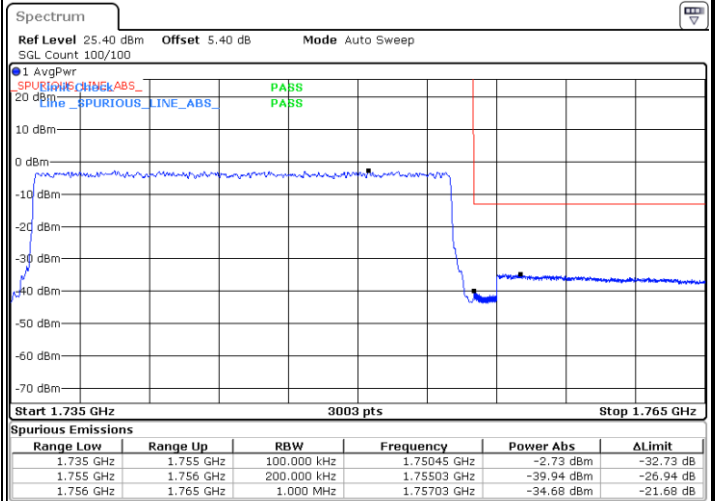
Date: 17.DEC.2021 01:44:56

Lowest Band Edge / Full RB



Date: 17.DEC.2021 01:38:12

Highest Band Edge / Full RB

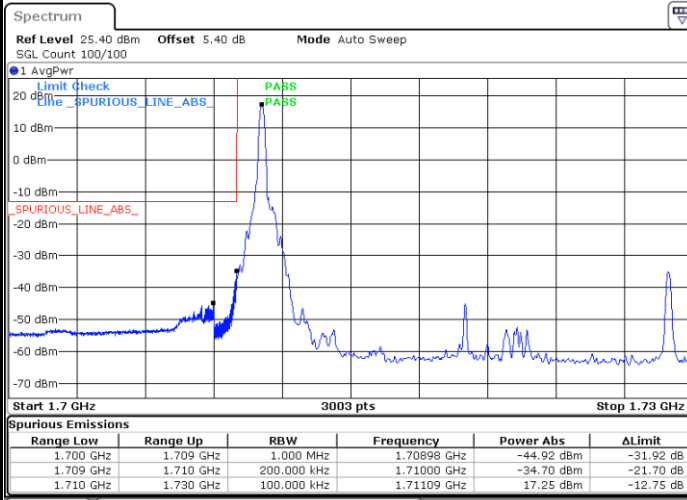


Date: 17.DEC.2021 01:49:49



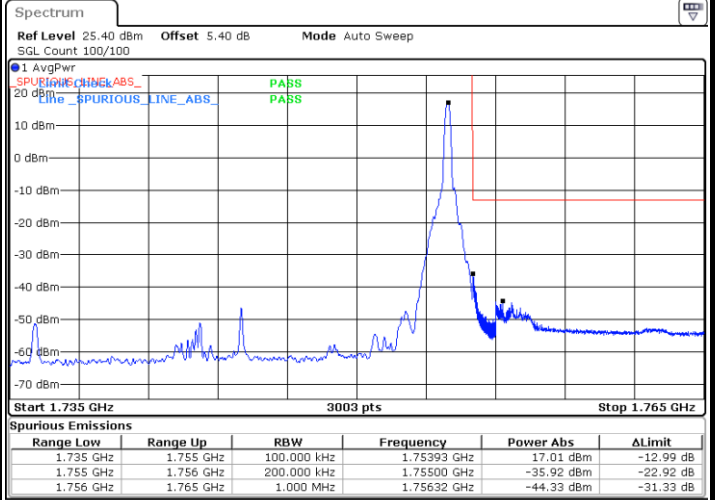
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



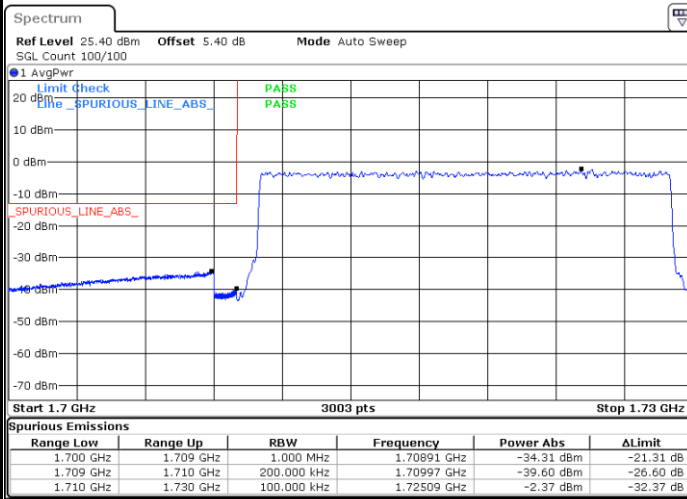
Date: 17.DEC.2021 01:34:56

Highest Band Edge / 1 RB



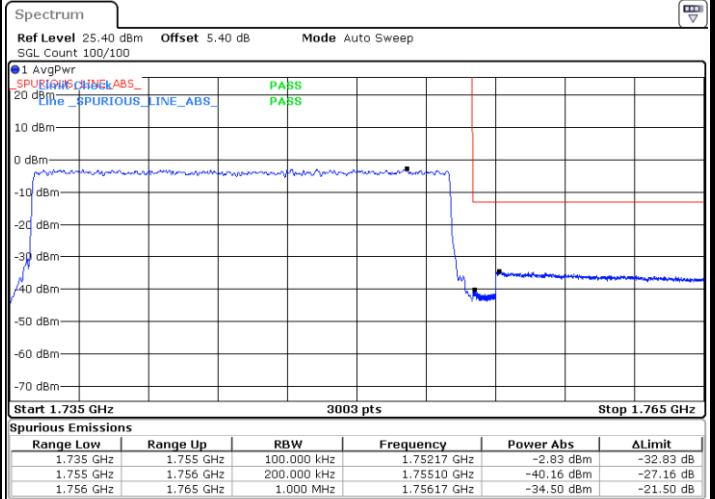
Date: 17.DEC.2021 01:46:34

Lowest Band Edge / Full RB



Date: 17.DEC.2021 01:36:34

Highest Band Edge / Full RB



Date: 17.DEC.2021 01:48:12

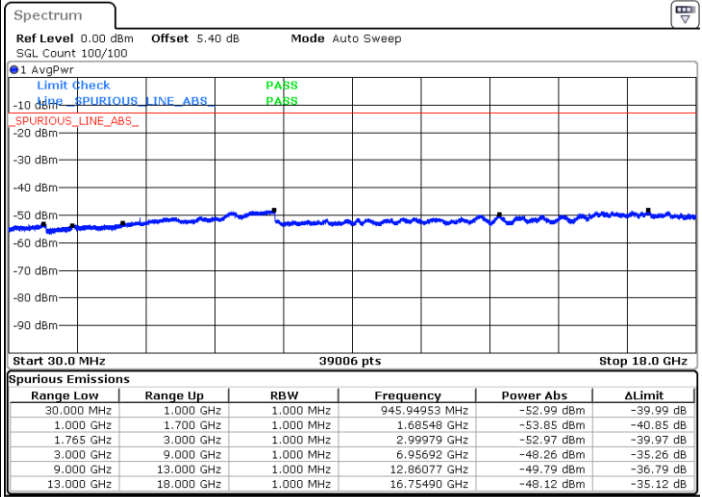
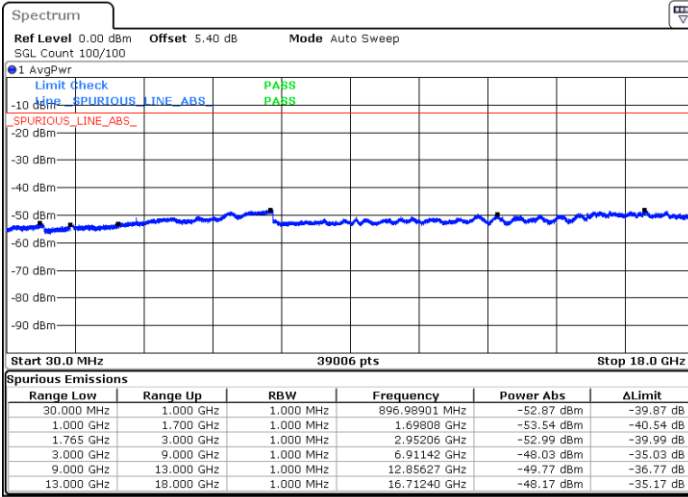


Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

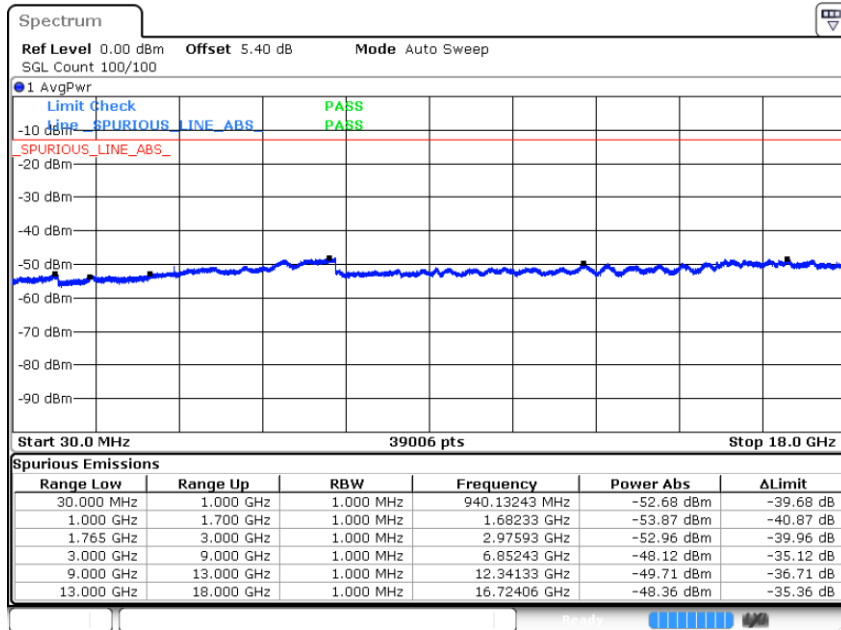
Middle Channel / QPSK



Date: 16 DEC 2021 23:39:11

Date: 16 DEC 2021 23:49:43

Highest Channel / QPSK

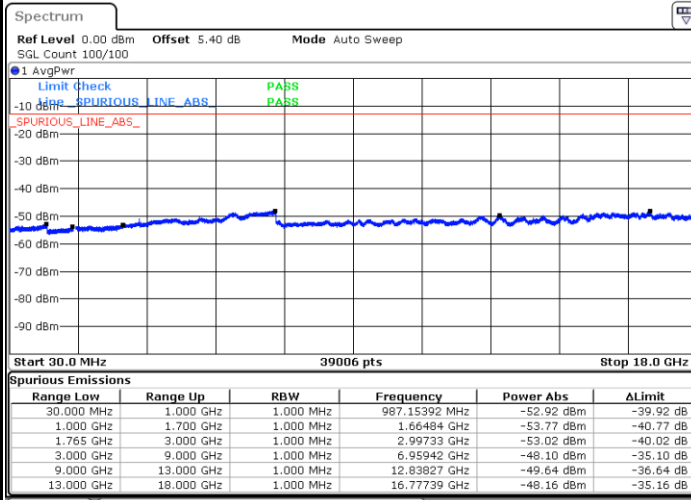


Date: 16 DEC 2021 23:50:38



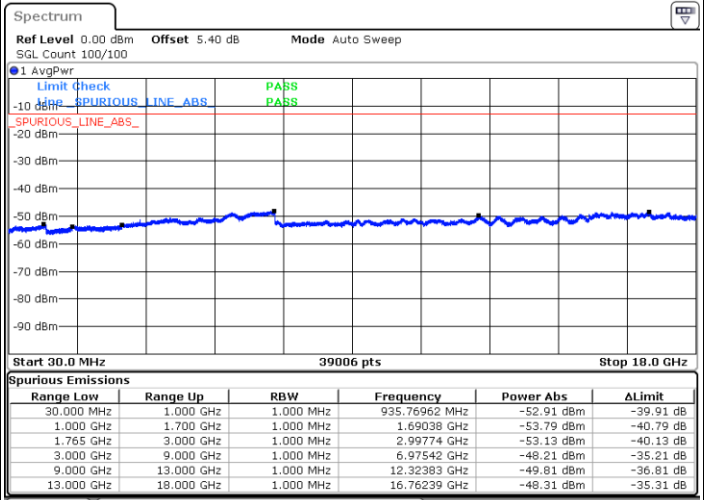
LTE Band 4 / 3MHz

Lowest Channel / QPSK



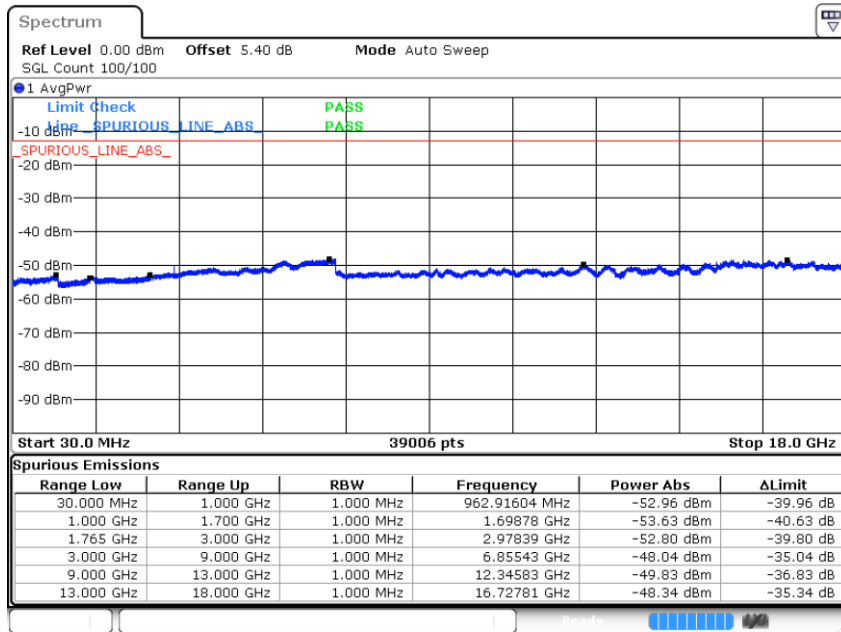
Date: 17.DEC.2021 00:01:22

Middle Channel / QPSK



Date: 17.DEC.2021 00:11:54

Highest Channel / QPSK



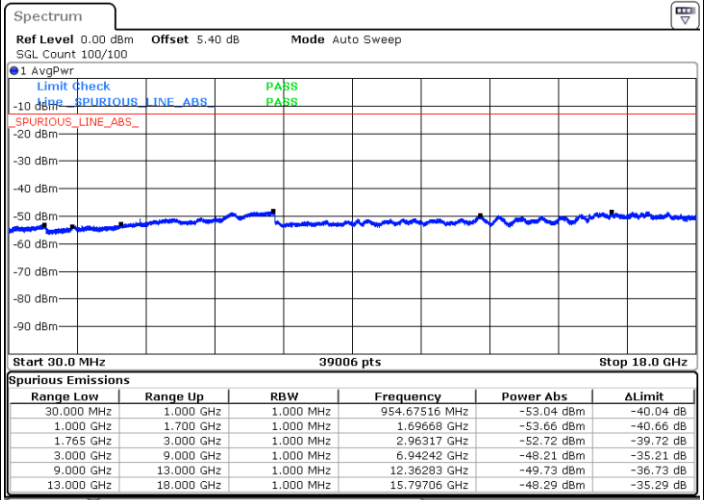
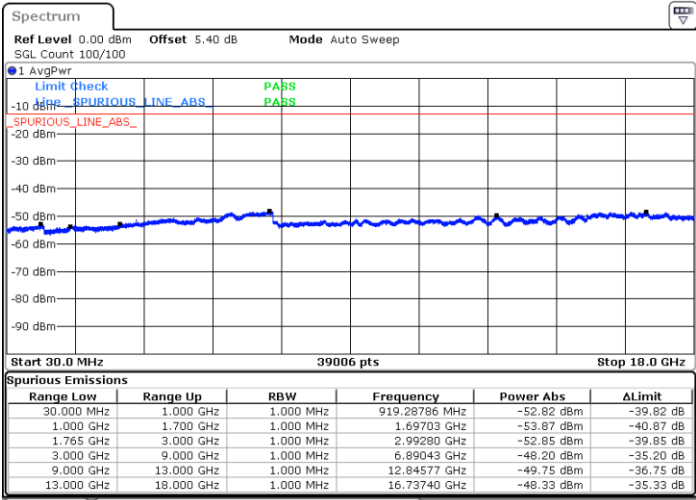
Date: 17.DEC.2021 00:12:50



LTE Band 4 / 5MHz

Lowest Channel / QPSK

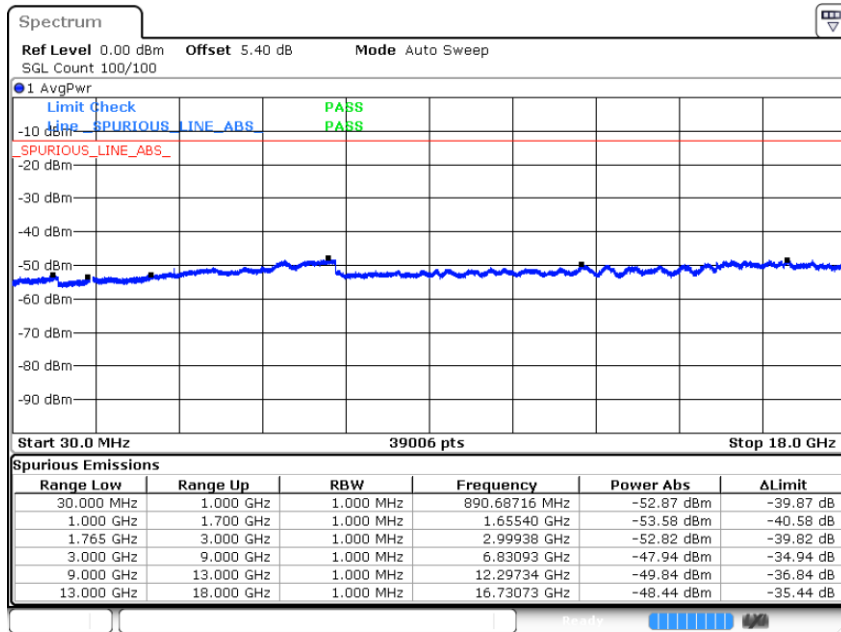
Middle Channel / QPSK



Date: 17.DEC.2021 00:23:35

Date: 17.DEC.2021 00:34:12

Highest Channel / QPSK



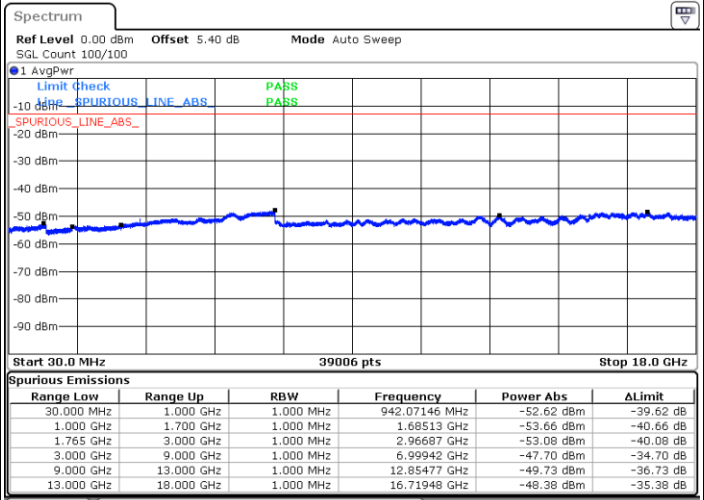
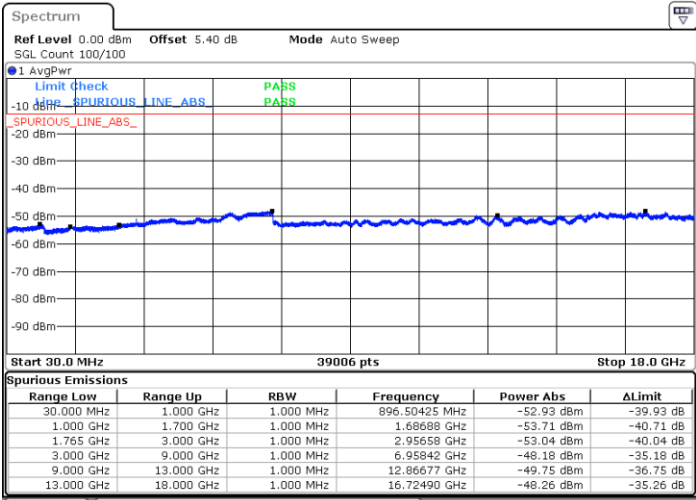
Date: 17.DEC.2021 00:35:08



LTE Band 4 / 10MHz

Lowest Channel / QPSK

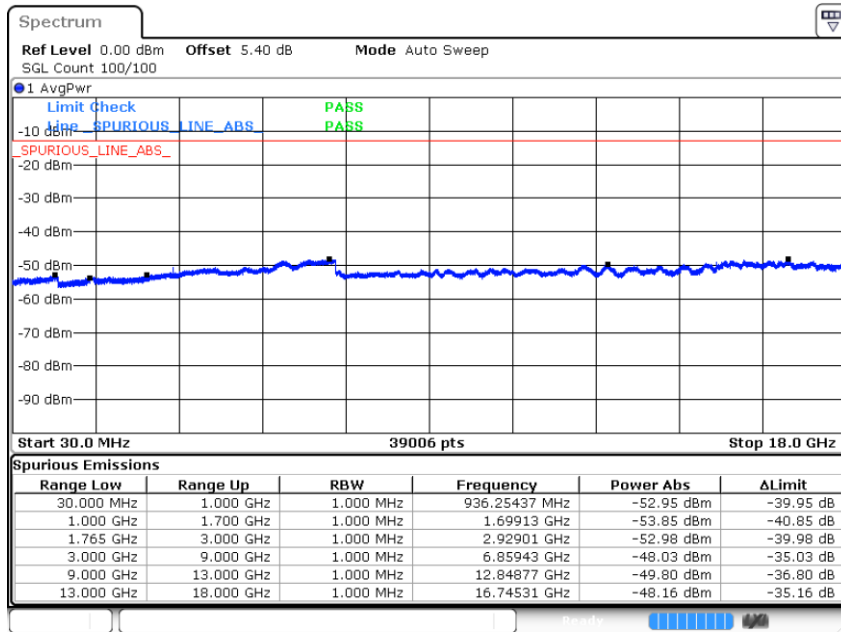
Middle Channel / QPSK



Date: 17.DEC.2021 00:45:53

Date: 17.DEC.2021 00:56:24

Highest Channel / QPSK



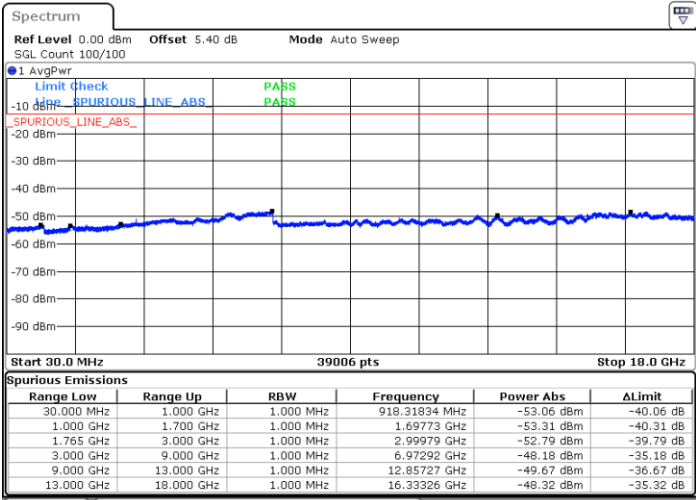
Date: 17.DEC.2021 00:57:20



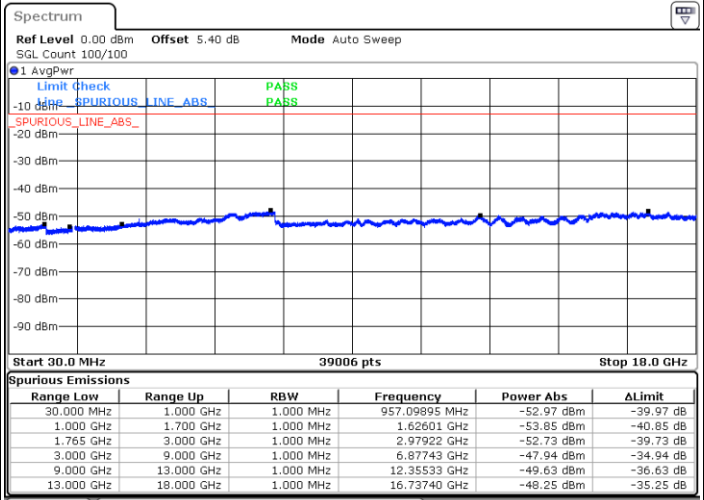
LTE Band 4 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

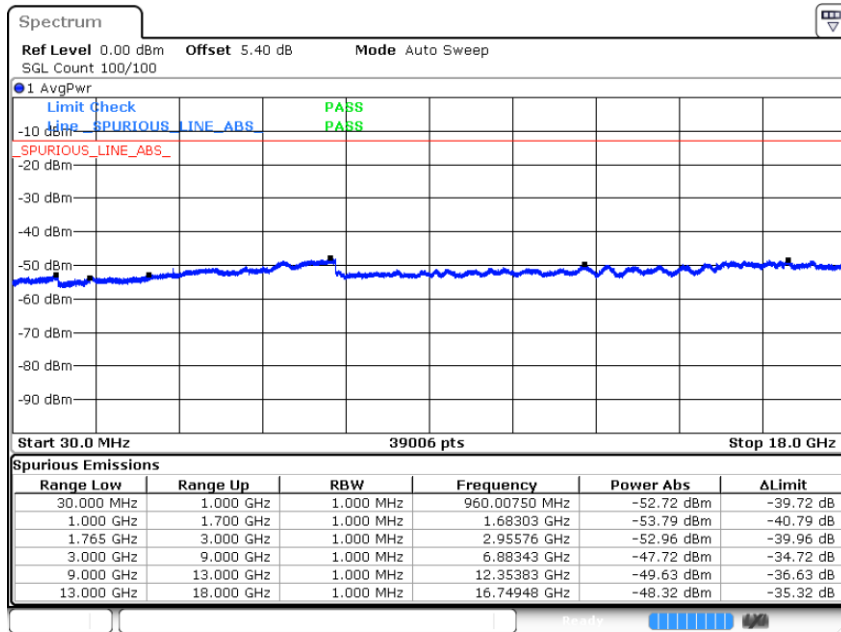


Date: 17.DEC.2021 01:08:03



Date: 17.DEC.2021 01:18:33

Highest Channel / QPSK

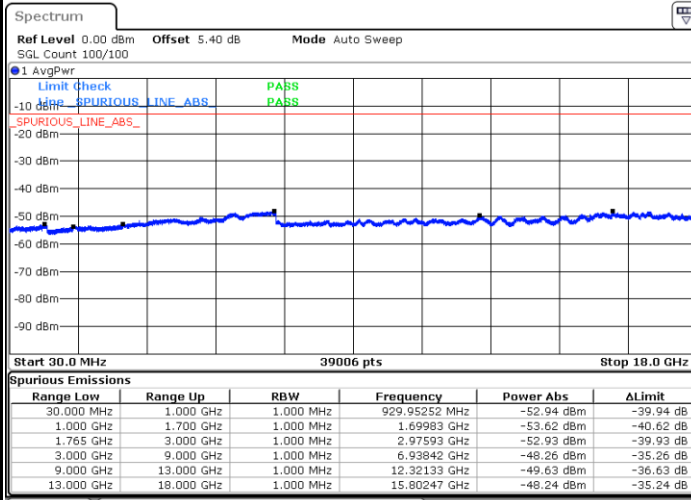


Date: 17.DEC.2021 01:19:29



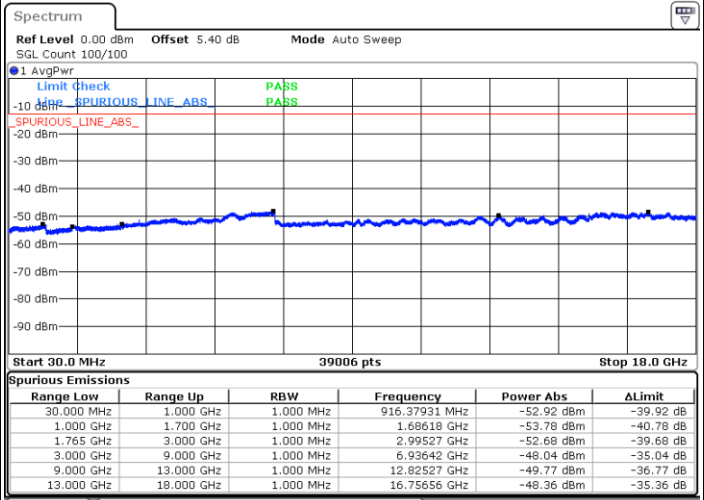
LTE Band 4 / 20MHz

Lowest Channel / QPSK



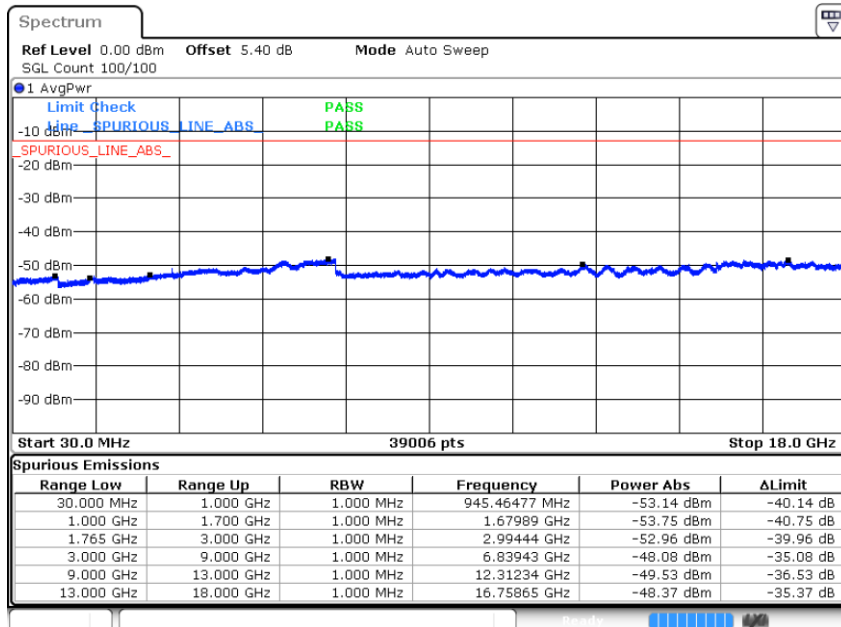
Date: 17.DEC.2021 01:30:13

Middle Channel / QPSK



Date: 17.DEC.2021 01:40:45

Highest Channel / QPSK



Date: 17.DEC.2021 01:41:40



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0017	

Note:

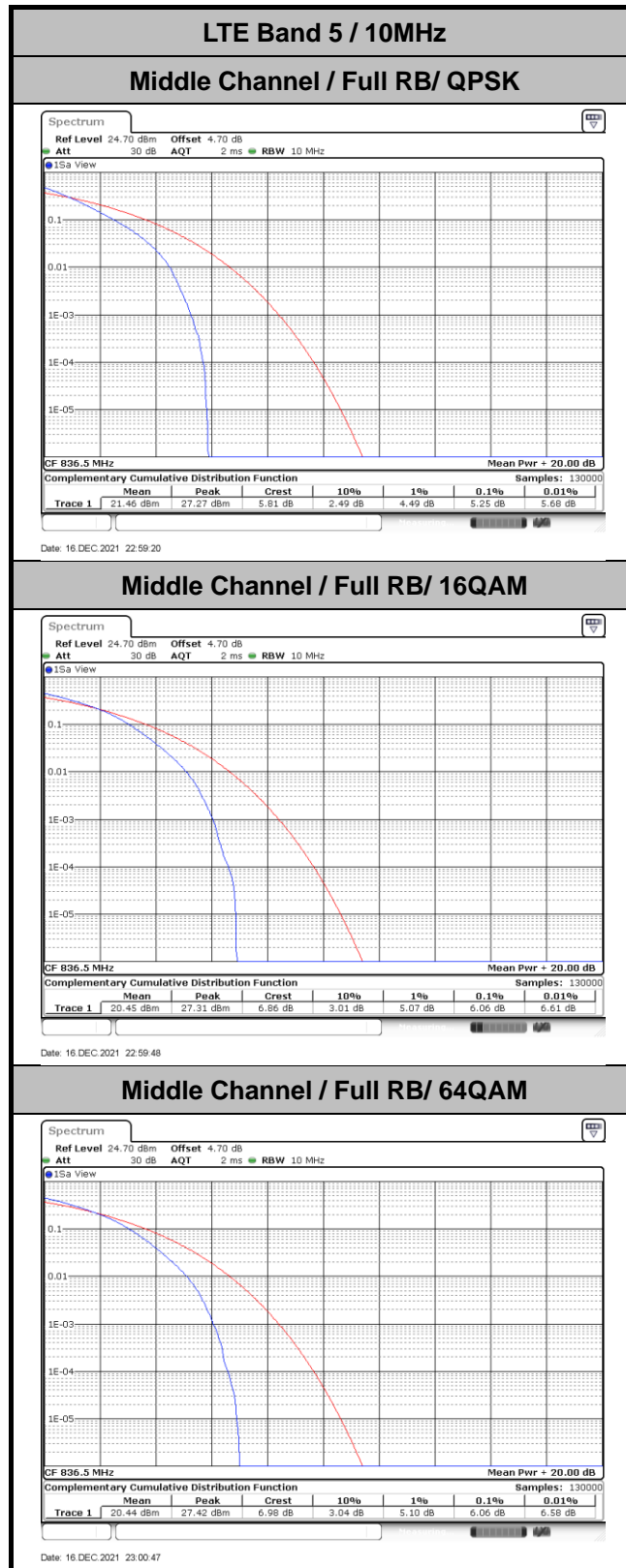
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

Peak-to-Average Ratio

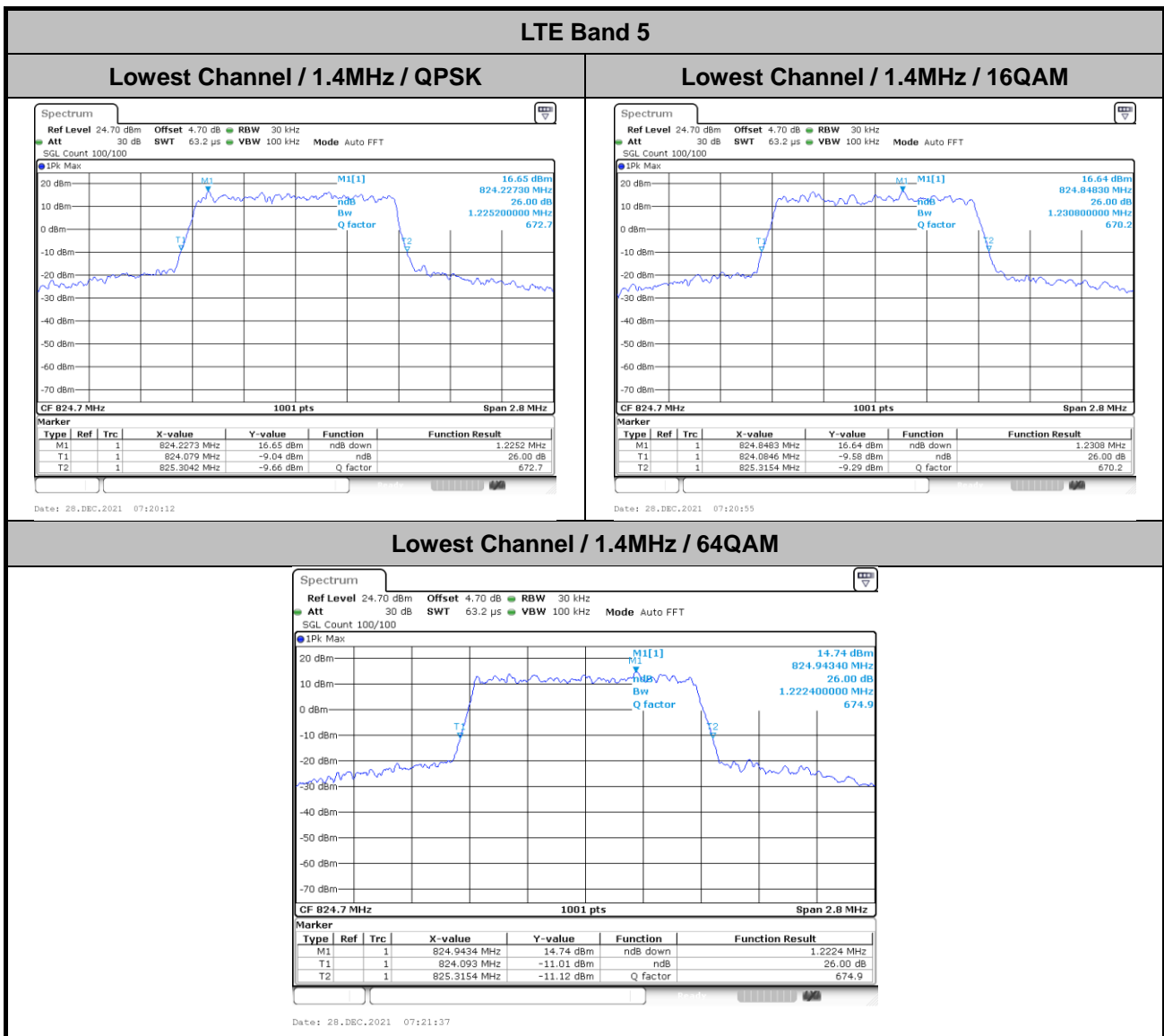
Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.25	6.06	6.06	PASS





26dB Bandwidth

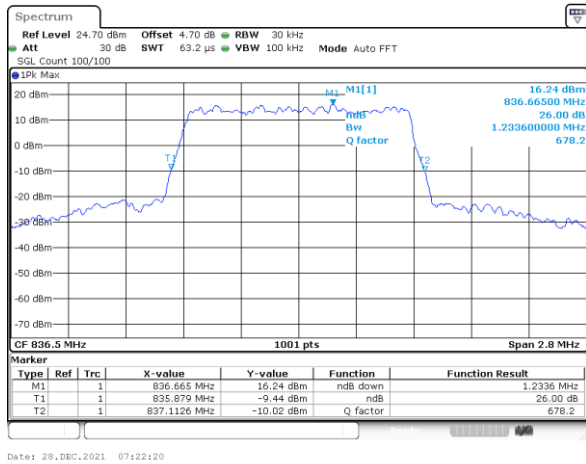
Mode	LTE Band 5 : 26dB BW(MHz)		
BW	1.4MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	1.23	1.23	1.22
Middle CH	1.23	1.23	1.22
Highest CH	1.23	1.22	1.23





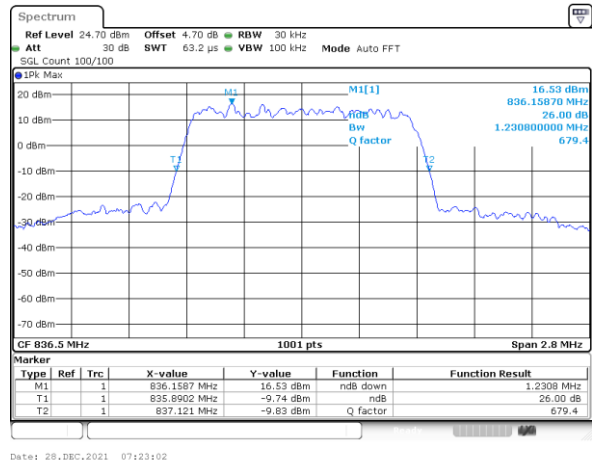
LTE Band 5

Middle Channel / 1.4MHz / QPSK



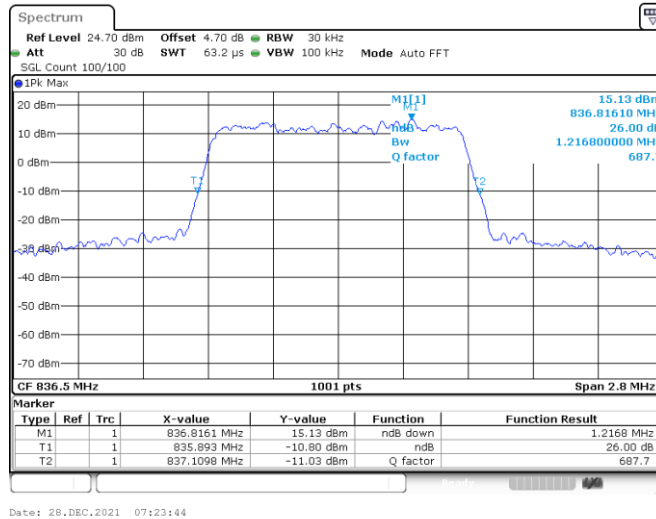
Date: 28.DEC.2021 07:22:20

Middle Channel / 1.4MHz / 16QAM



Date: 28.DEC.2021 07:23:02

Middle Channel / 1.4MHz / 64QAM

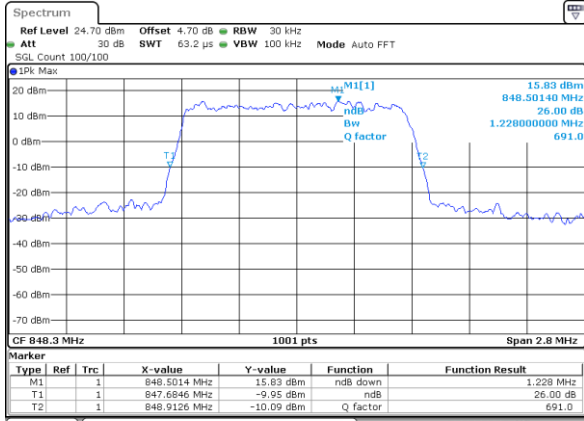


Date: 28.DEC.2021 07:23:44



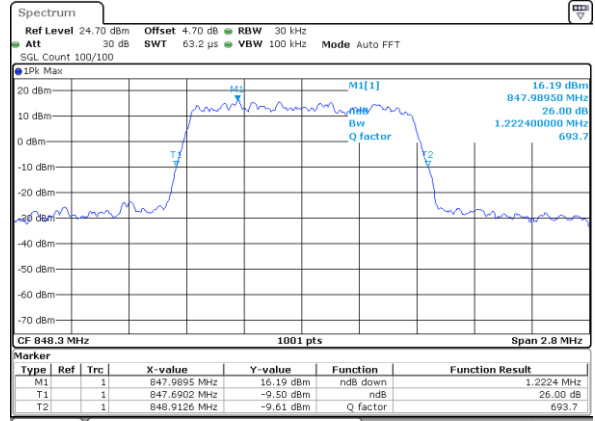
LTE Band 5

Highest Channel / 1.4MHz / QPSK



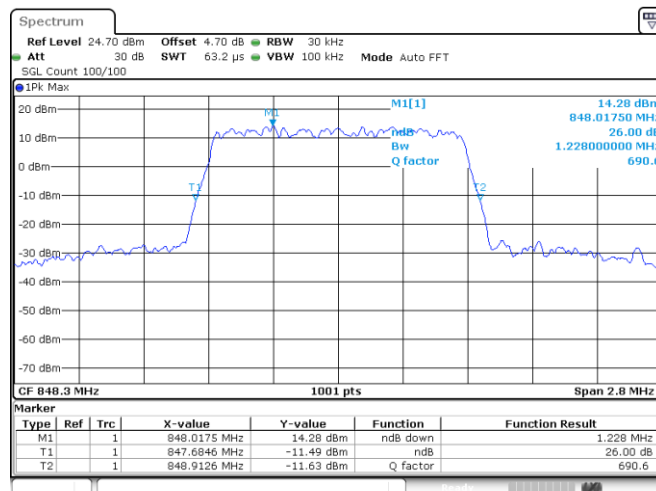
Date: 28. DEC. 2021 07:24:25

Highest Channel / 1.4MHz / 16QAM



Date: 28. DEC. 2021 07:25:07

Highest Channel / 1.4MHz / 64QAM



Date: 28. DEC. 2021 07:25:50