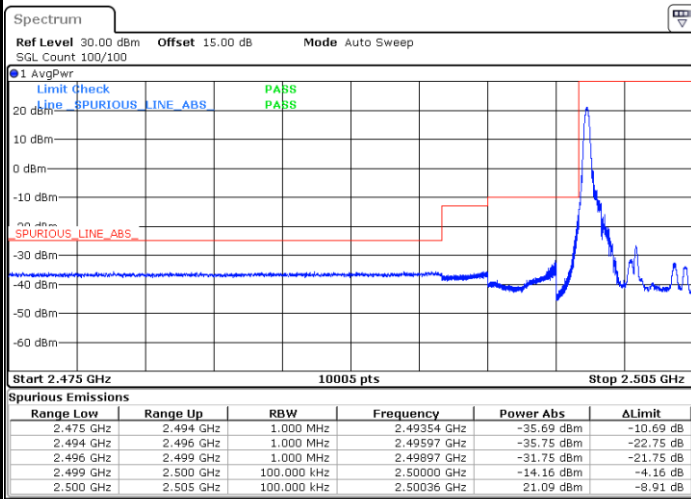




Conducted Band Edge

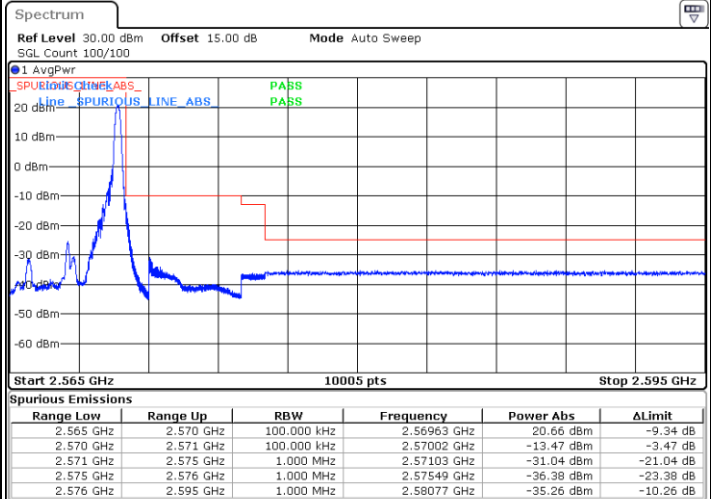
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



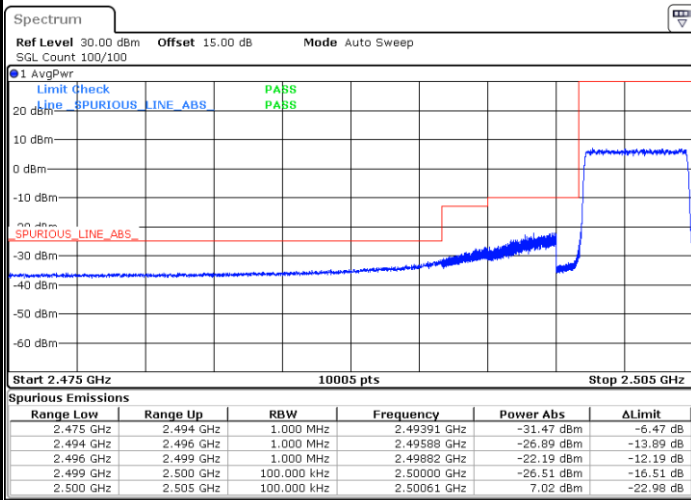
Date: 16 DEC 2021 06:27:00

Highest Band Edge / 1 RB



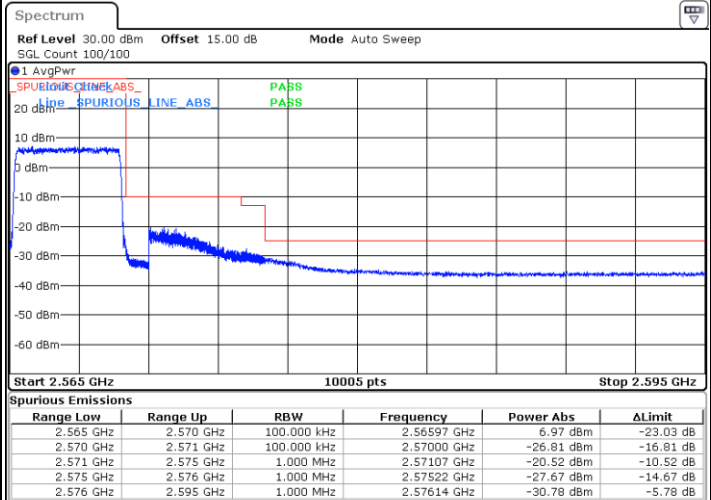
Date: 16 DEC 2021 06:42:22

Lowest Band Edge / Full RB



Date: 16 DEC 2021 06:30:19

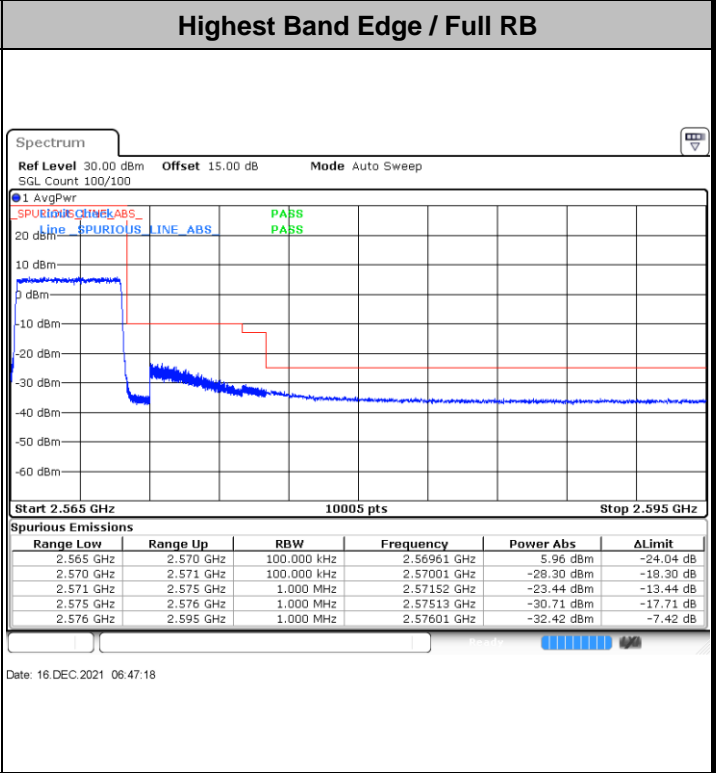
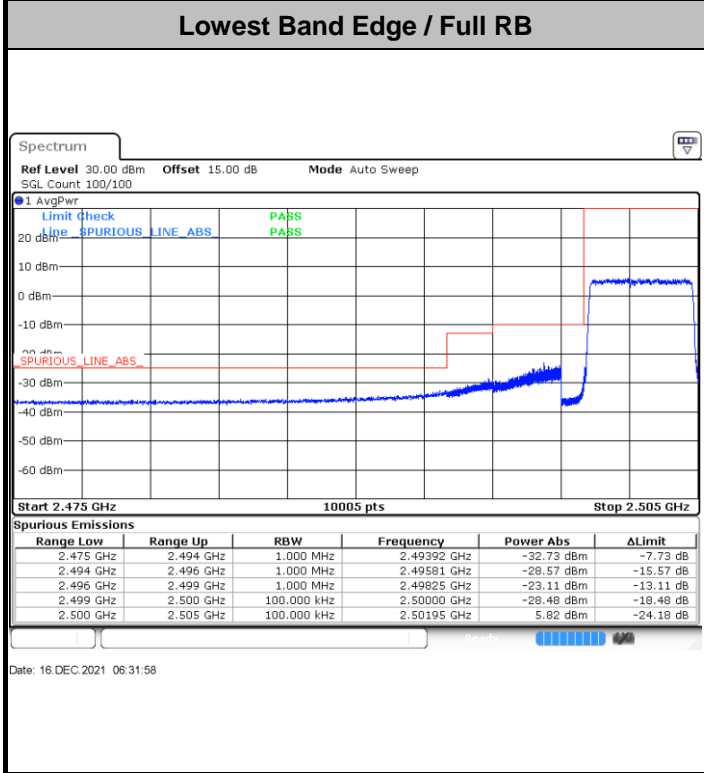
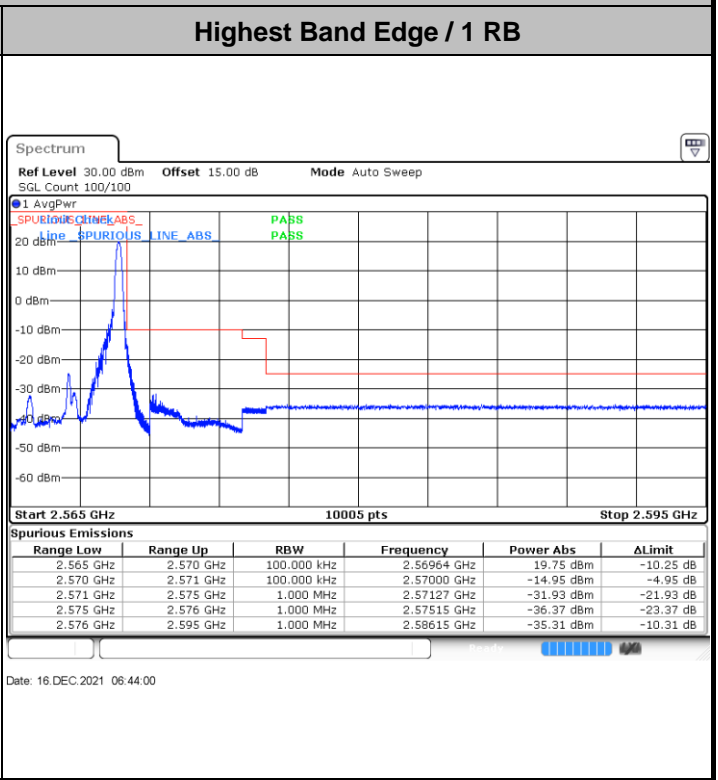
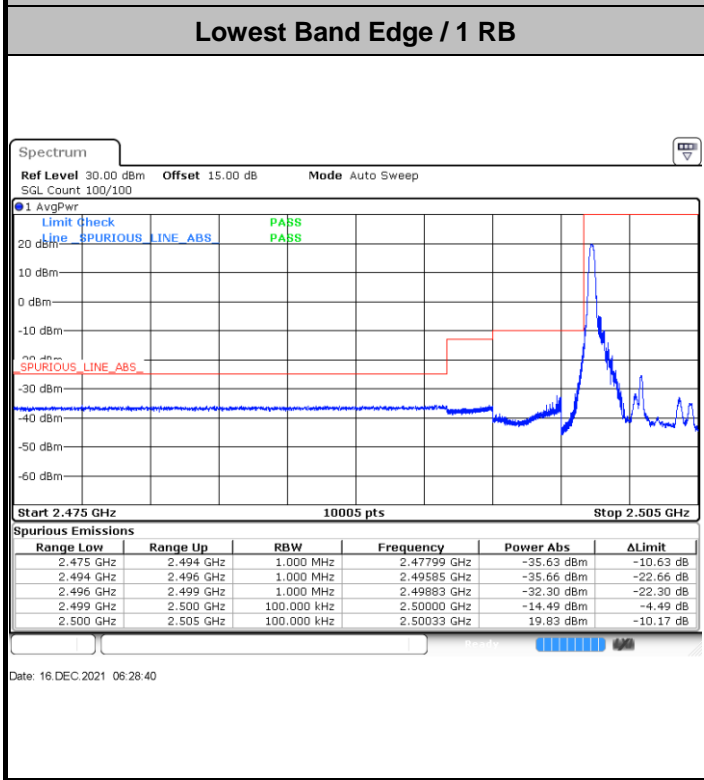
Highest Band Edge / Full RB



Date: 16 DEC 2021 06:45:39



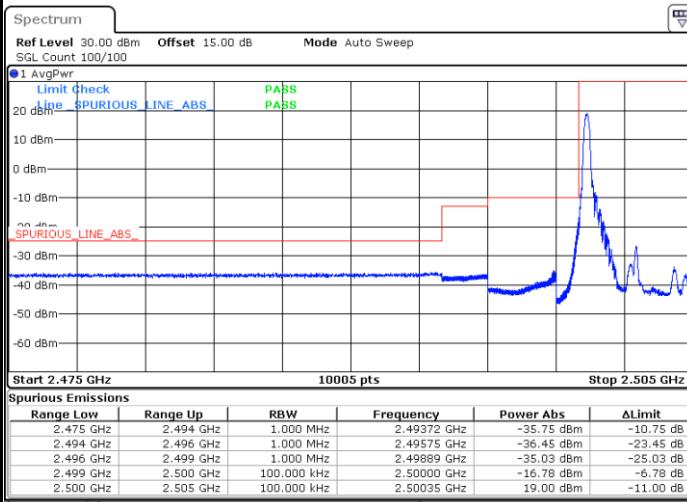
LTE Band 7 / 5MHz / 16QAM





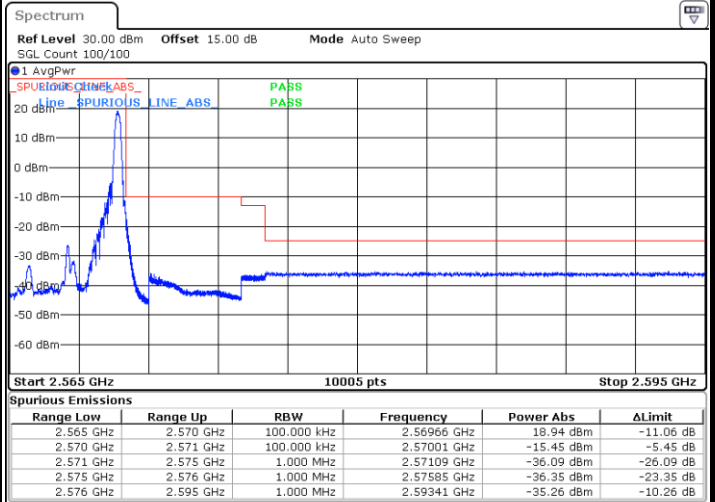
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



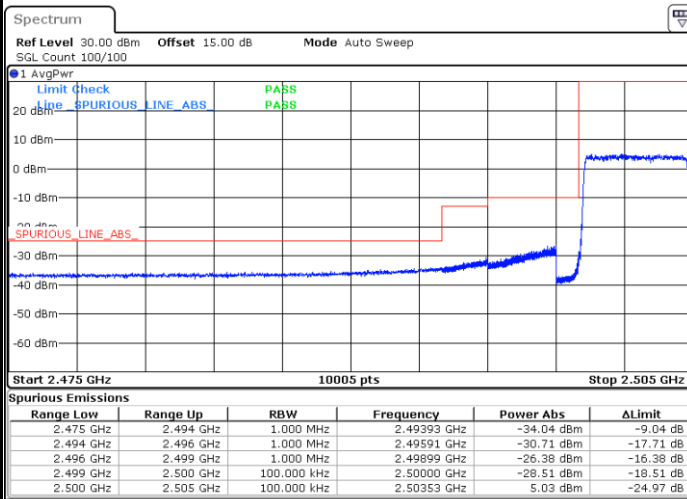
Date: 16 DEC 2021 06:52:23

Highest Band Edge / 1 RB



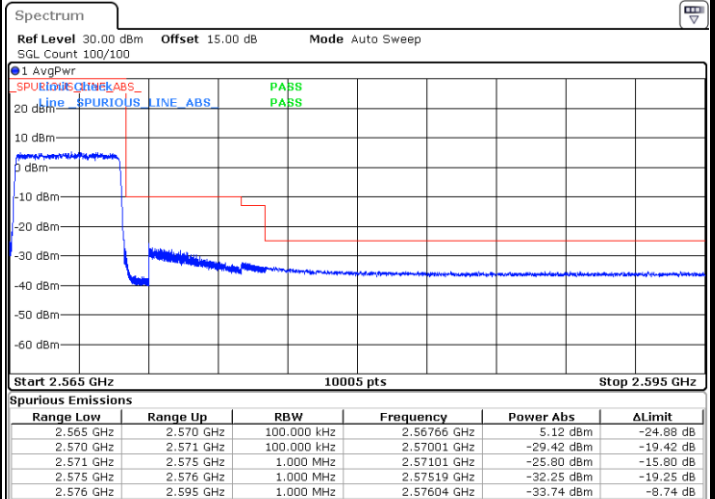
Date: 16 DEC 2021 06:59:45

Lowest Band Edge / Full RB



Date: 16 DEC 2021 06:54:02

Highest Band Edge / Full RB

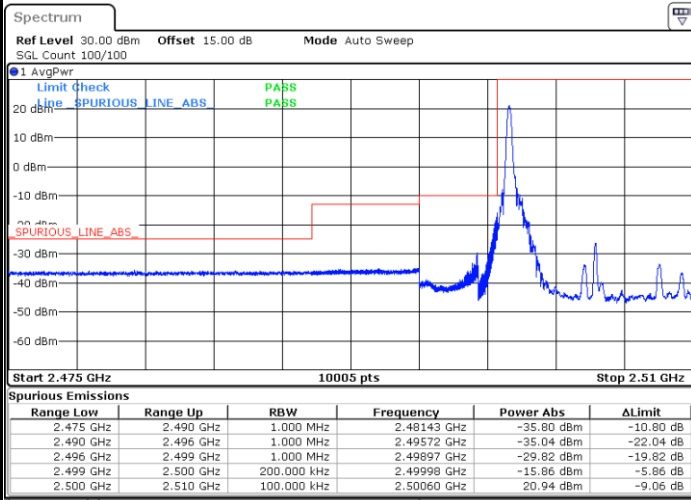


Date: 16 DEC 2021 07:01:24



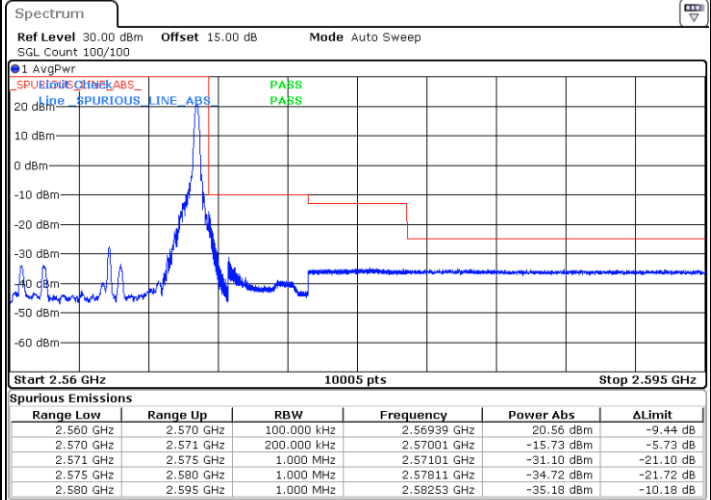
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



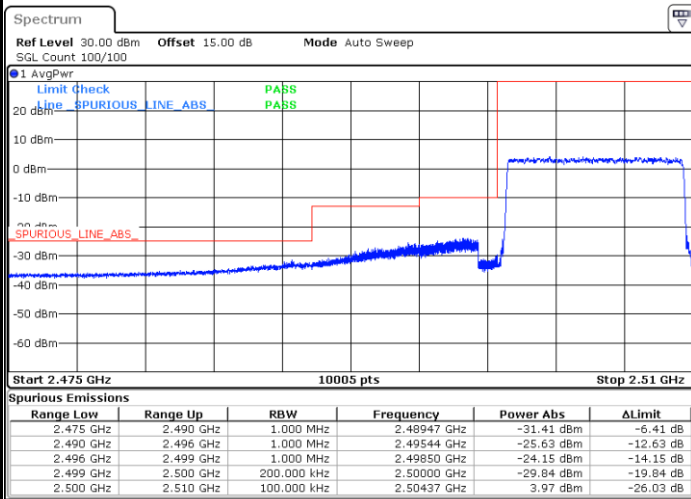
Date: 16 DEC 2021 07:06:04

Highest Band Edge / 1 RB



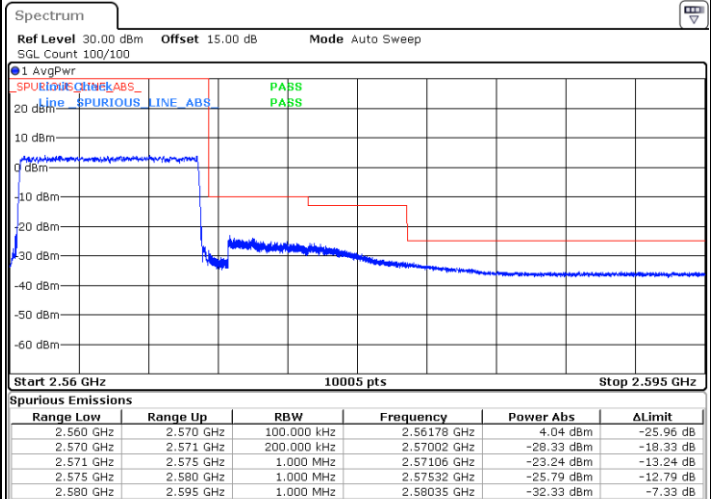
Date: 16 DEC 2021 07:21:25

Lowest Band Edge / Full RB



Date: 16 DEC 2021 07:09:22

Highest Band Edge / Full RB

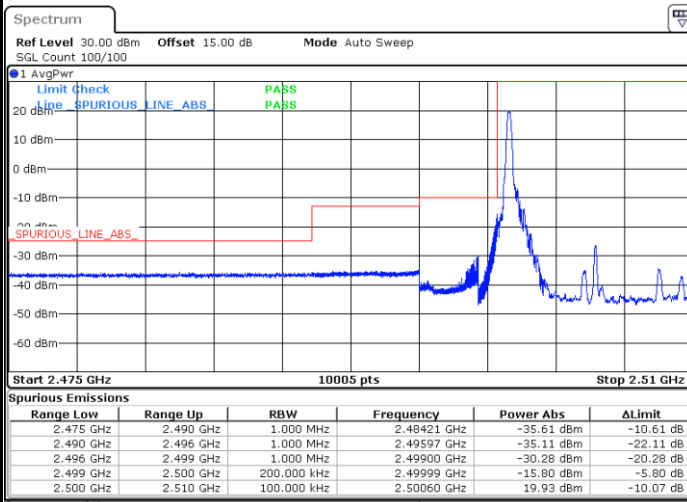


Date: 16 DEC 2021 07:24:43



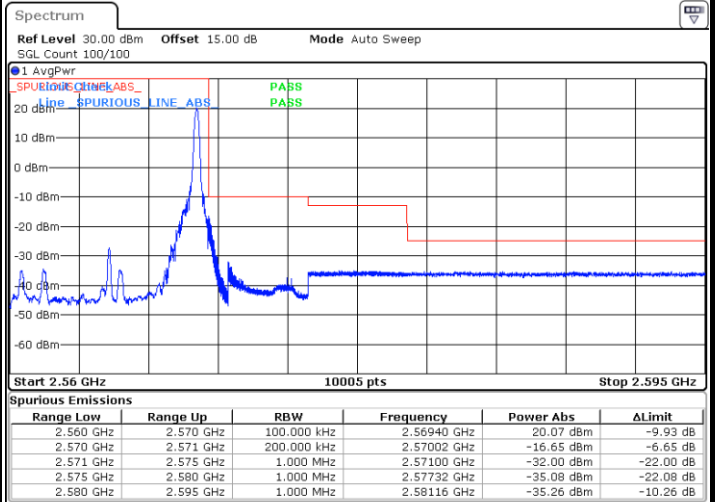
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



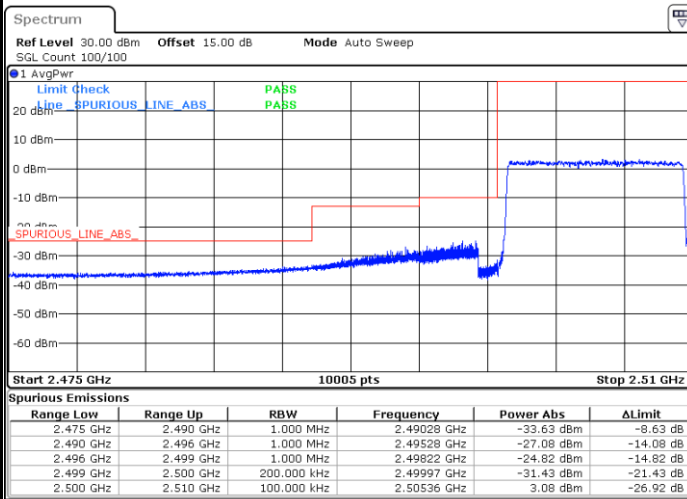
Date: 16 DEC 2021 07:07:43

Highest Band Edge / 1 RB



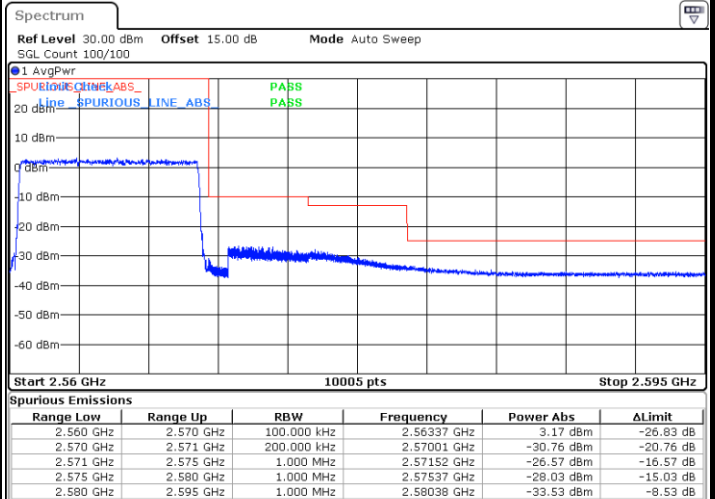
Date: 16 DEC 2021 07:23:04

Lowest Band Edge / Full RB



Date: 16 DEC 2021 07:11:01

Highest Band Edge / Full RB

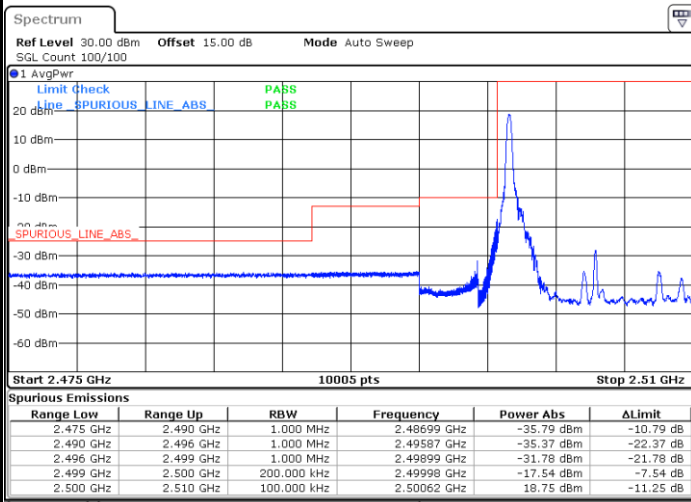


Date: 16 DEC 2021 07:26:22



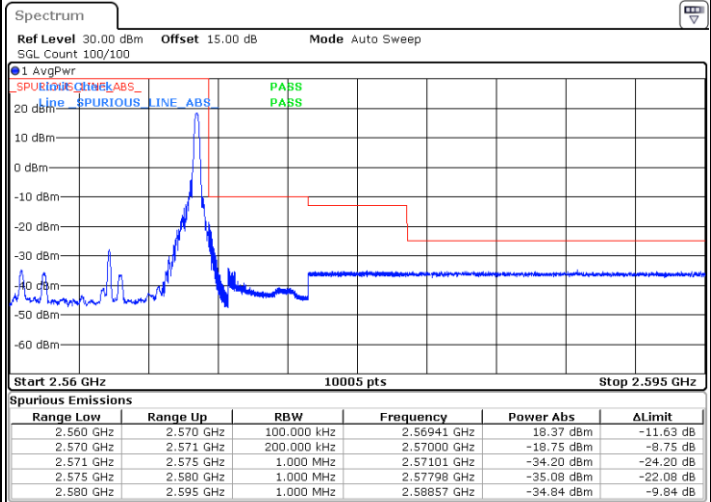
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



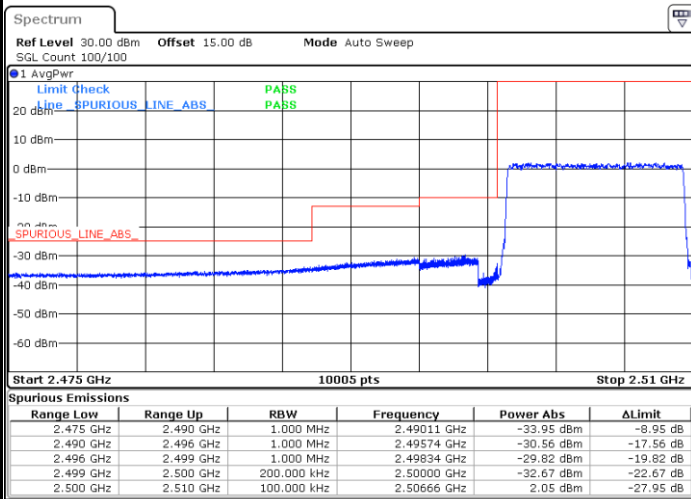
Date: 16 DEC 2021 07:31:27

Highest Band Edge / 1 RB



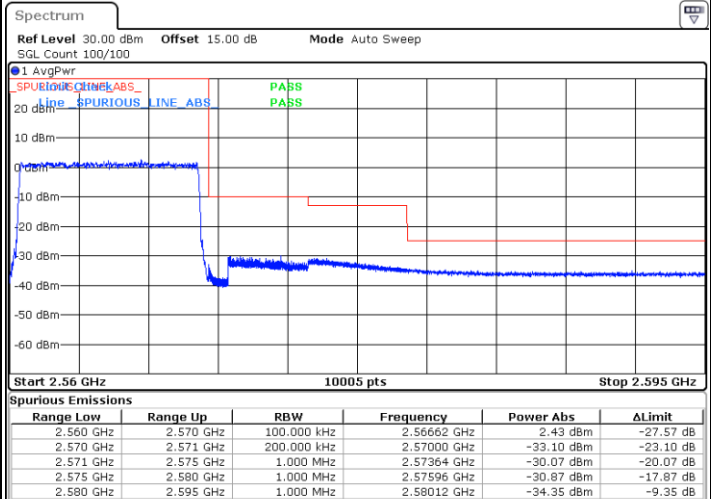
Date: 16 DEC 2021 07:38:48

Lowest Band Edge / Full RB



Date: 16 DEC 2021 07:33:06

Highest Band Edge / Full RB

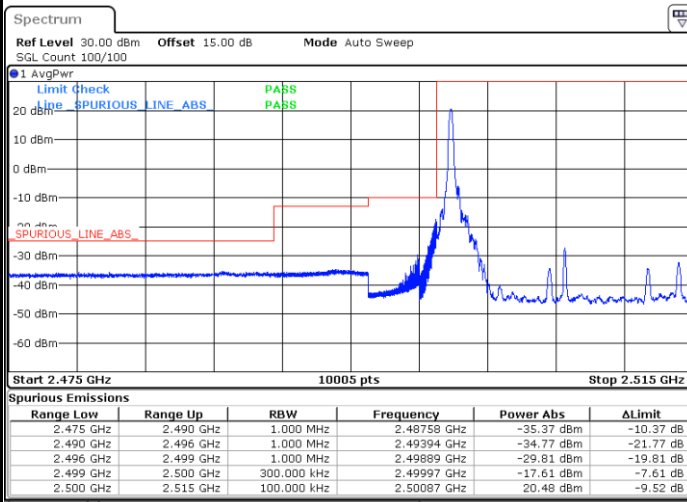


Date: 16 DEC 2021 07:40:28



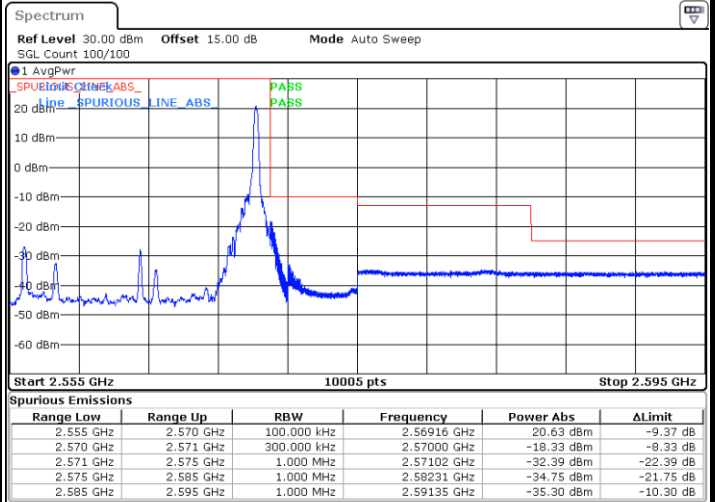
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



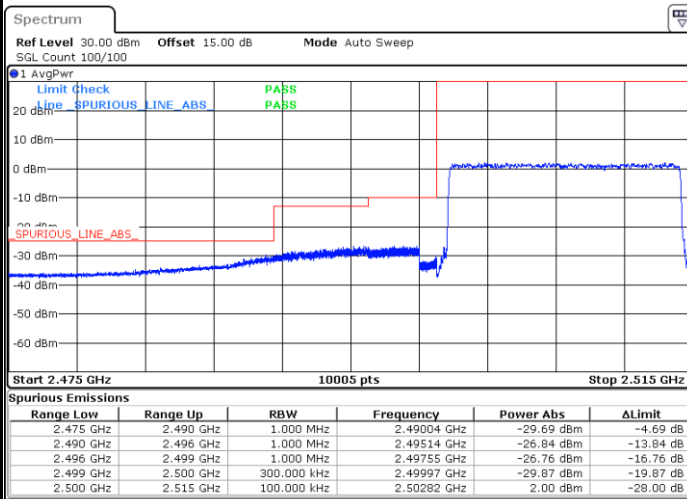
Date: 16 DEC 2021 07:45:08

Highest Band Edge / 1 RB



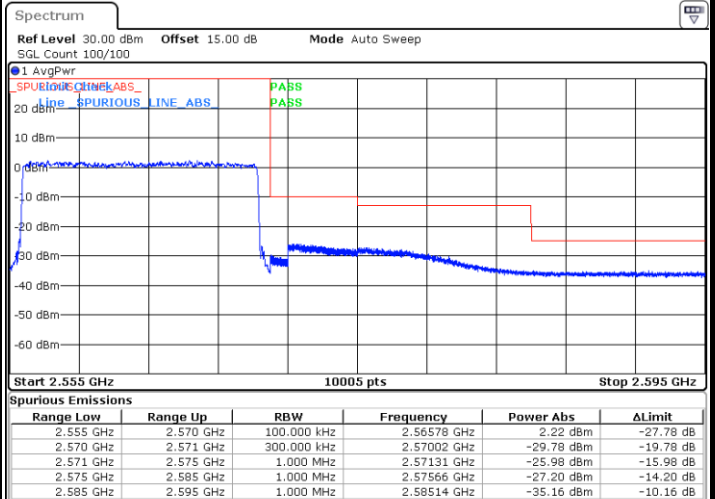
Date: 16 DEC 2021 07:57:24

Lowest Band Edge / Full RB



Date: 16 DEC 2021 07:48:27

Highest Band Edge / Full RB

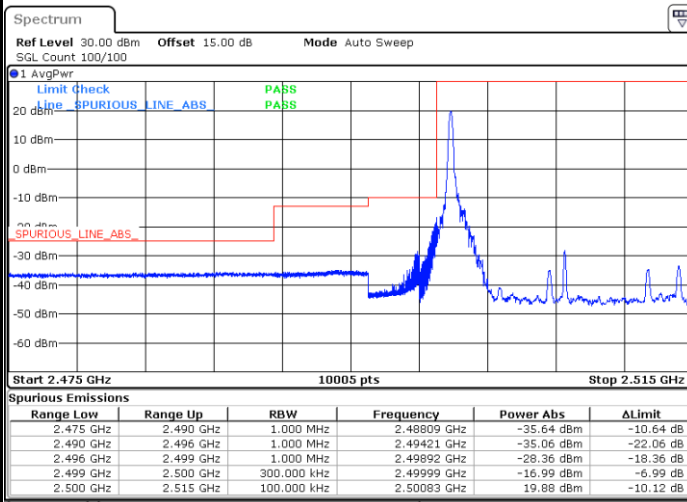


Date: 16 DEC 2021 07:58:42



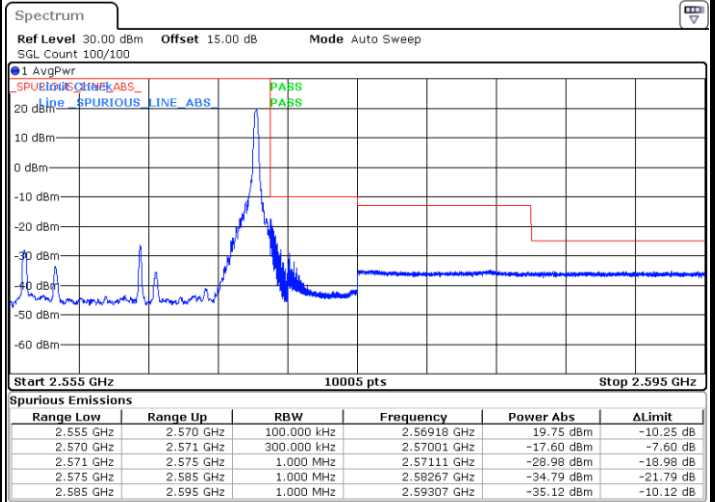
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



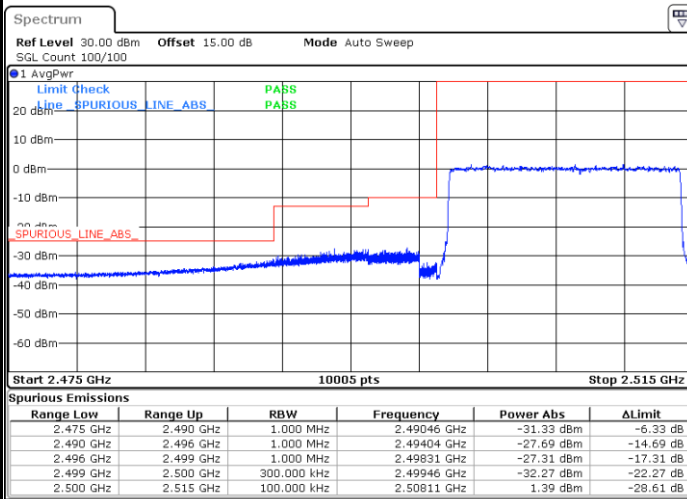
Date: 16 DEC 2021 07:46:48

Highest Band Edge / 1 RB



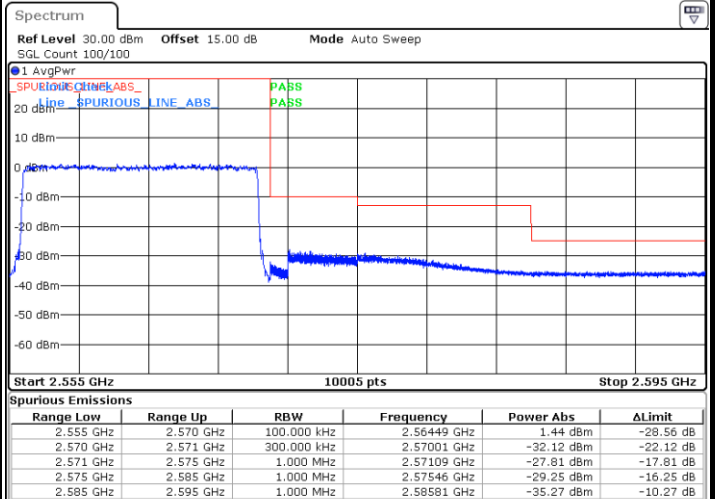
Date: 16 DEC 2021 07:58:02

Lowest Band Edge / Full RB



Date: 16 DEC 2021 07:49:22

Highest Band Edge / Full RB

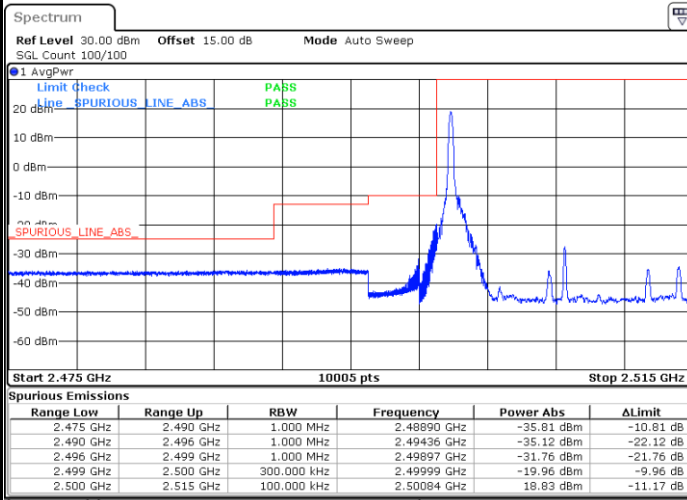


Date: 16 DEC 2021 07:59:20



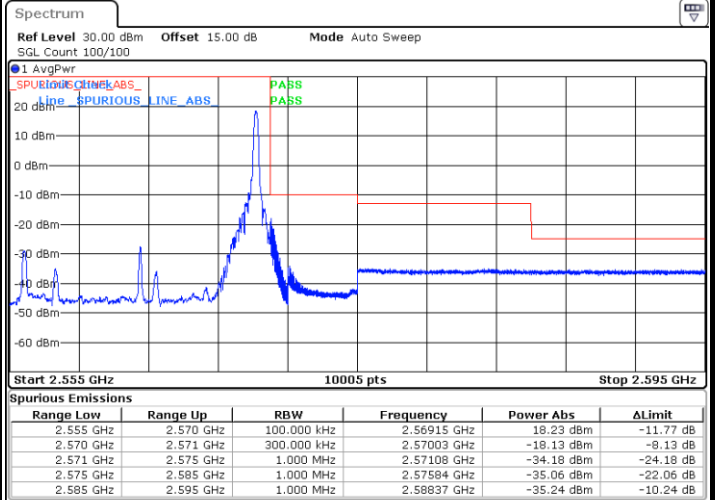
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



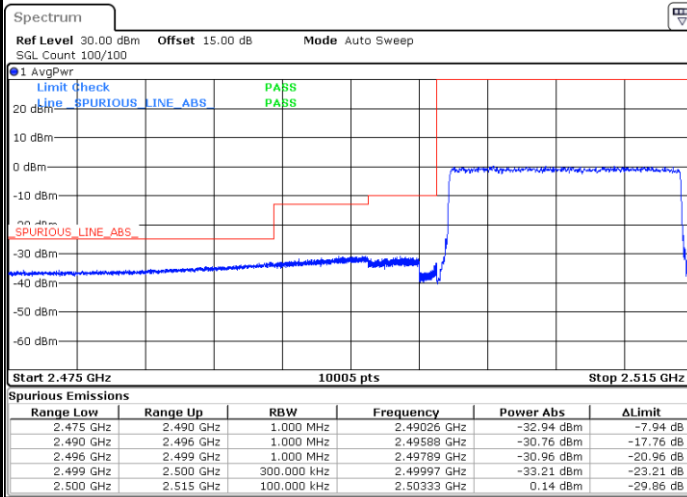
Date: 16 DEC 2021 08:02:37

Highest Band Edge / 1 RB



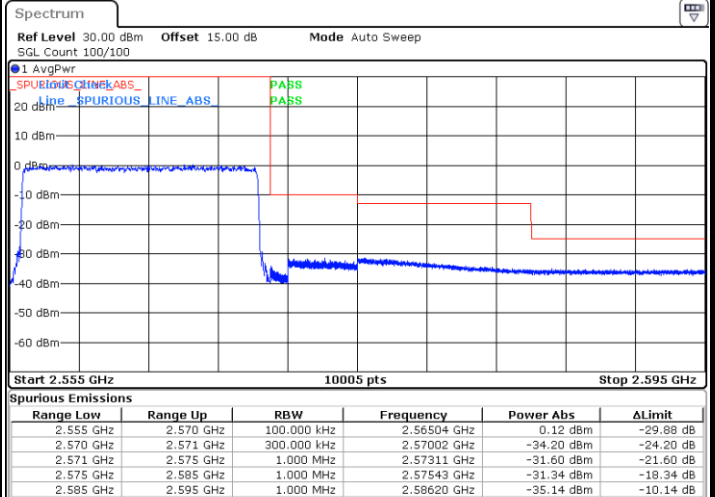
Date: 16 DEC 2021 08:07:14

Lowest Band Edge / Full RB



Date: 16 DEC 2021 08:03:16

Highest Band Edge / Full RB



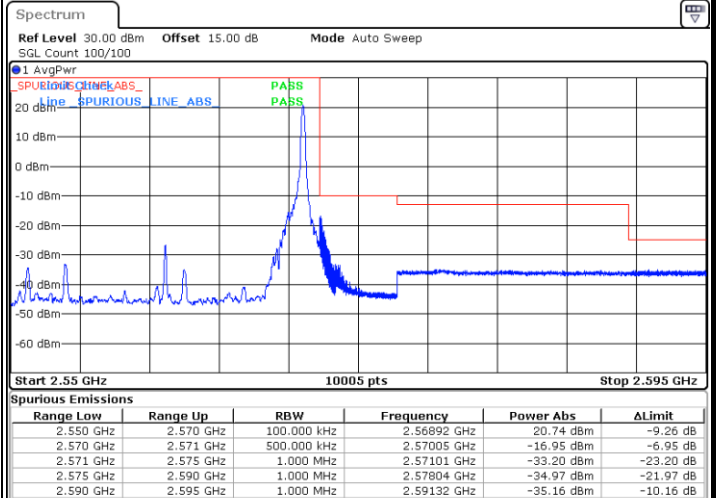
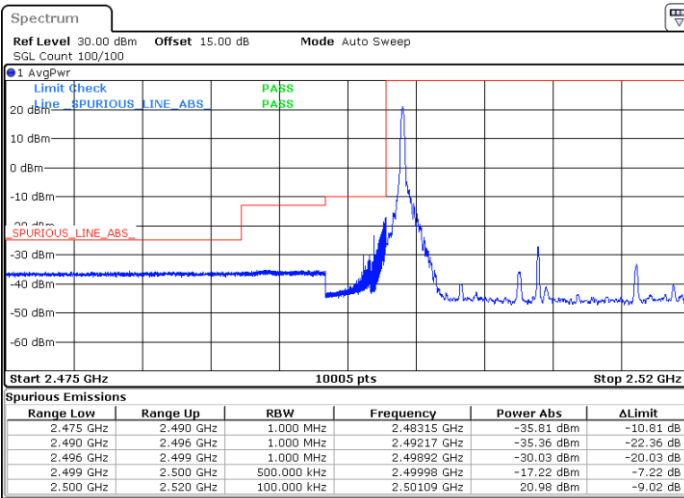
Date: 16 DEC 2021 08:07:53



LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

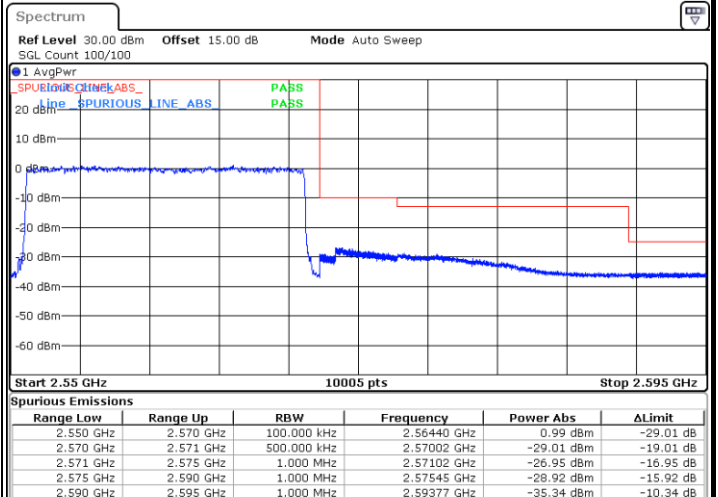
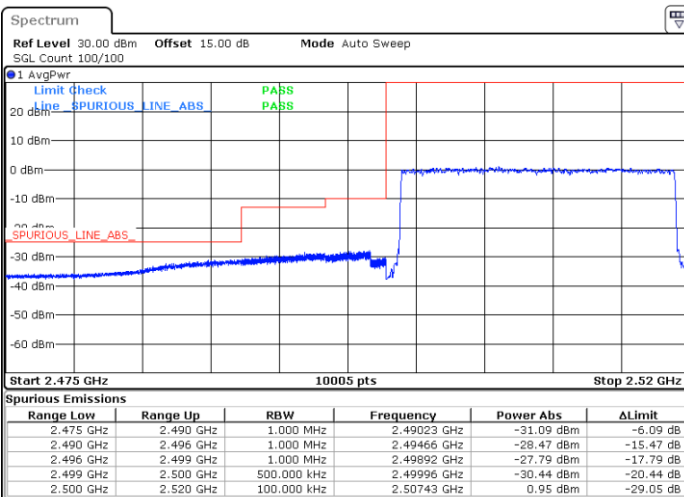


Date: 16 DEC 2021 08:11:10

Date: 16 DEC 2021 08:52:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



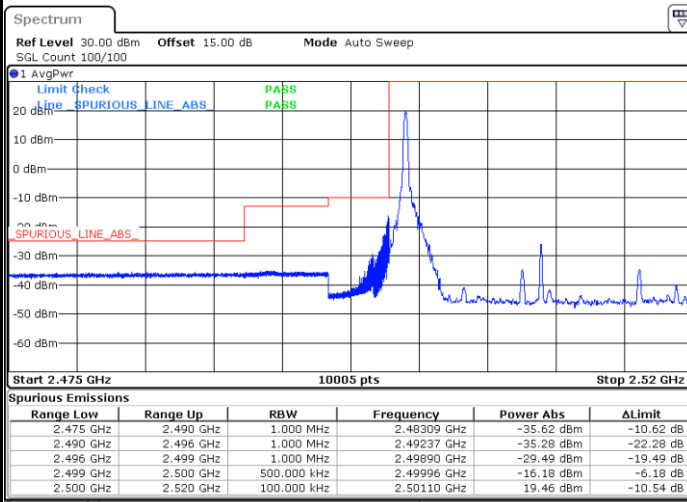
Date: 16 DEC 2021 08:12:29

Date: 16 DEC 2021 08:54:36



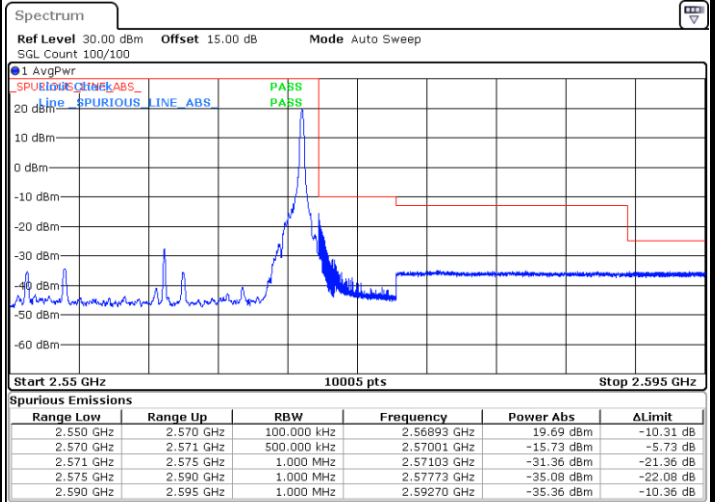
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



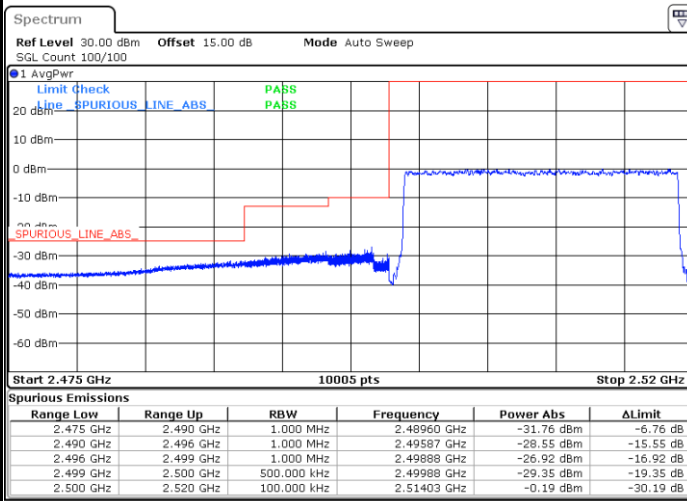
Date: 16 DEC 2021 08:11:49

Highest Band Edge / 1RB



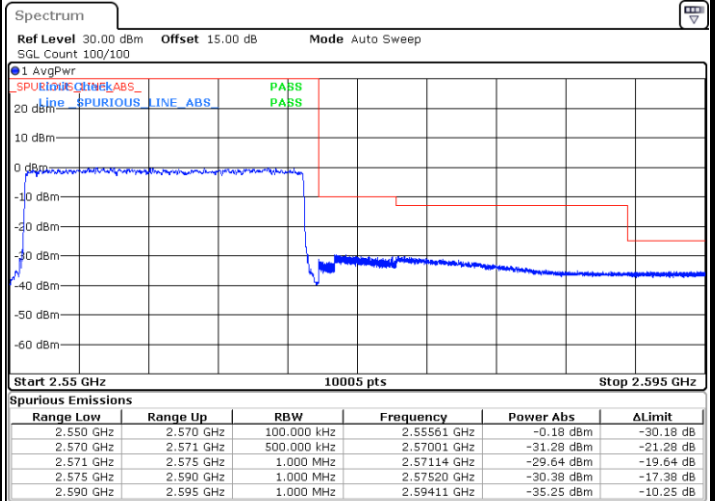
Date: 16 DEC 2021 08:53:18

Lowest Band Edge / Full RB



Date: 16 DEC 2021 08:13:09

Highest Band Edge / Full RB

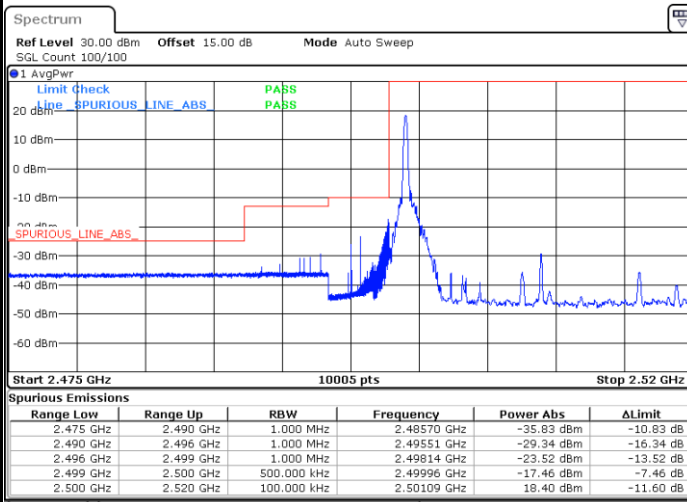


Date: 16 DEC 2021 08:53:57



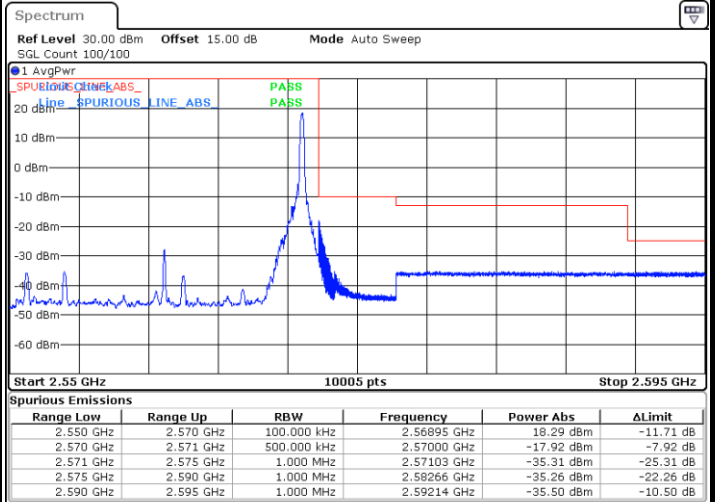
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



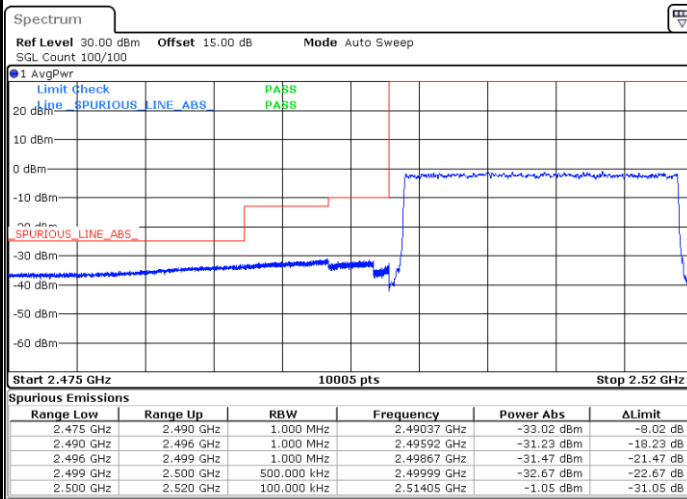
Date: 16 DEC 2021 08:57:52

Highest Band Edge / 1 RB



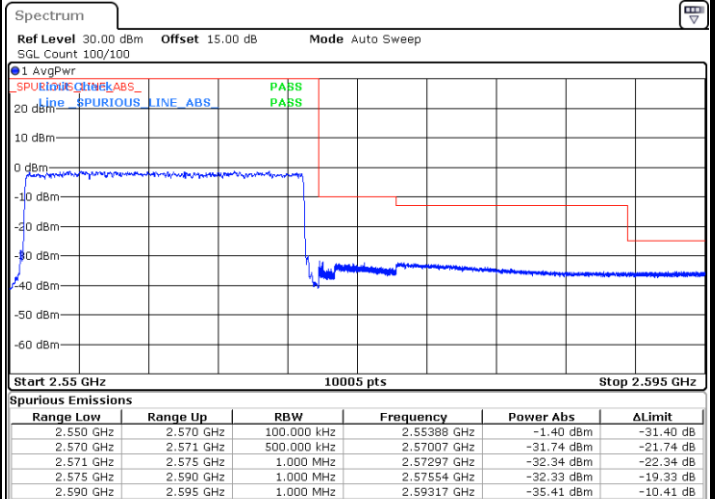
Date: 16 DEC 2021 09:02:26

Lowest Band Edge / Full RB



Date: 16 DEC 2021 08:58:31

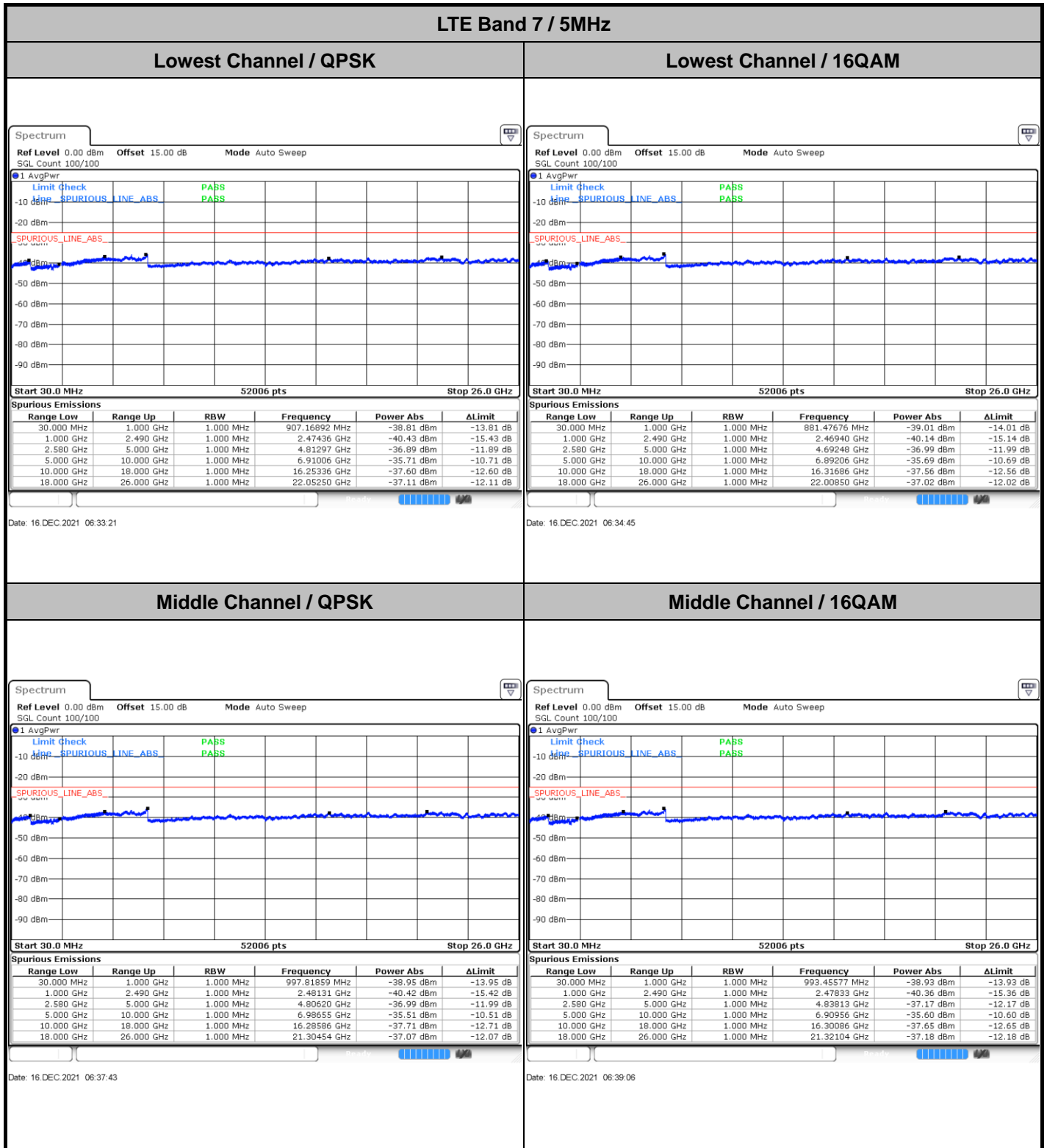
Highest Band Edge / Full RB



Date: 16 DEC 2021 09:03:05



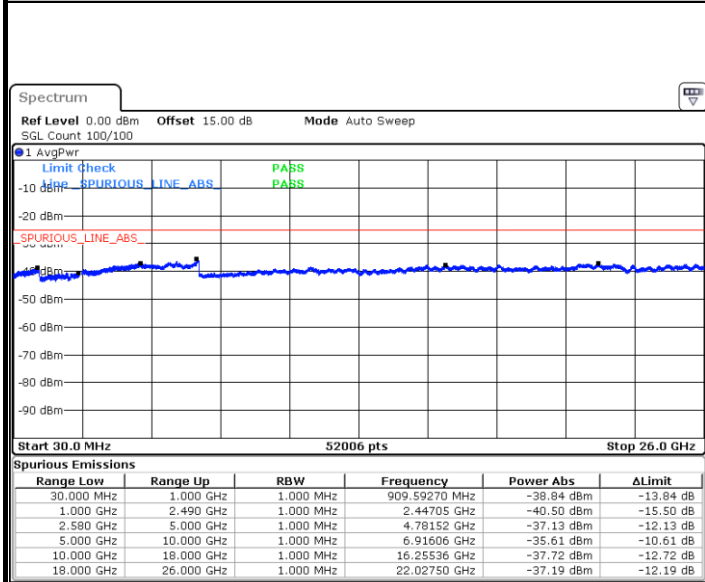
Conducted Spurious Emission





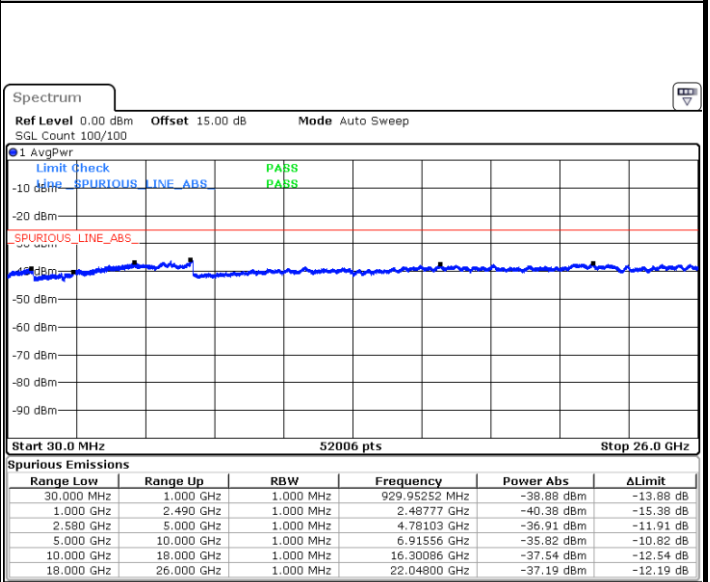
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 16.DEC.2021 06:48:41

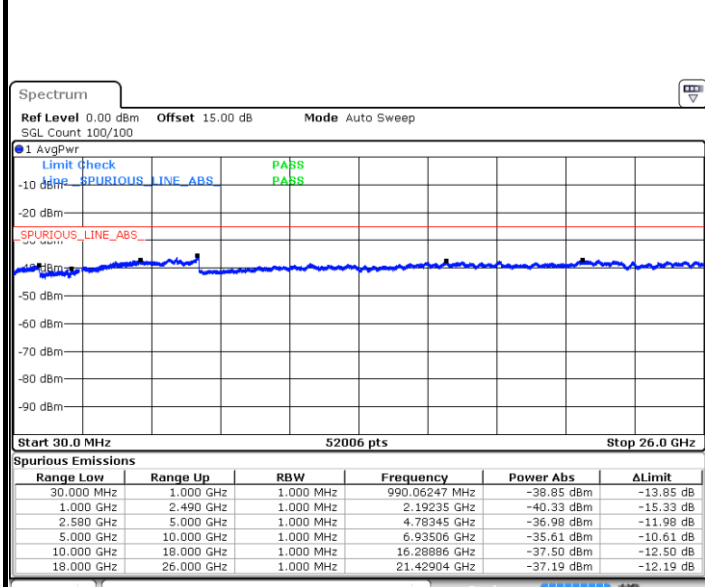
Highest Channel / 16QAM



Date: 16.DEC.2021 06:50:04

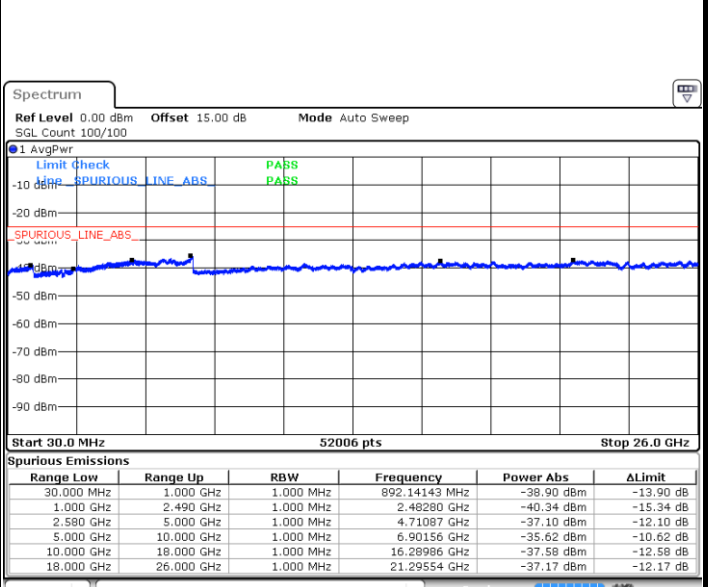
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 16.DEC.2021 07:12:24

Lowest Channel / 16QAM



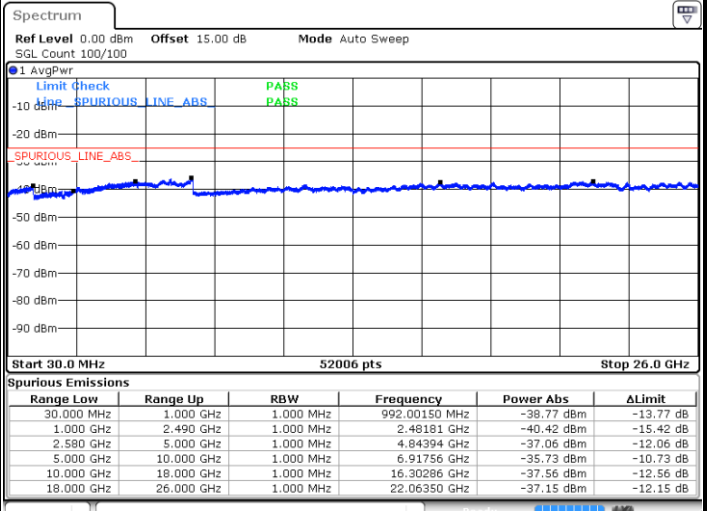
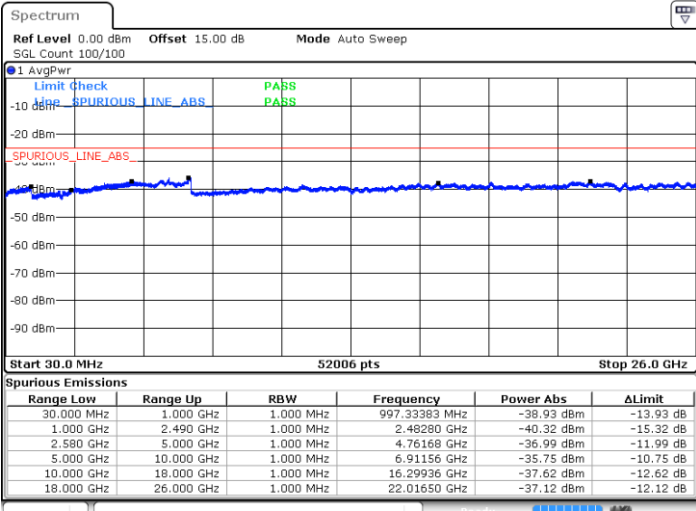
Date: 16.DEC.2021 07:13:47



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

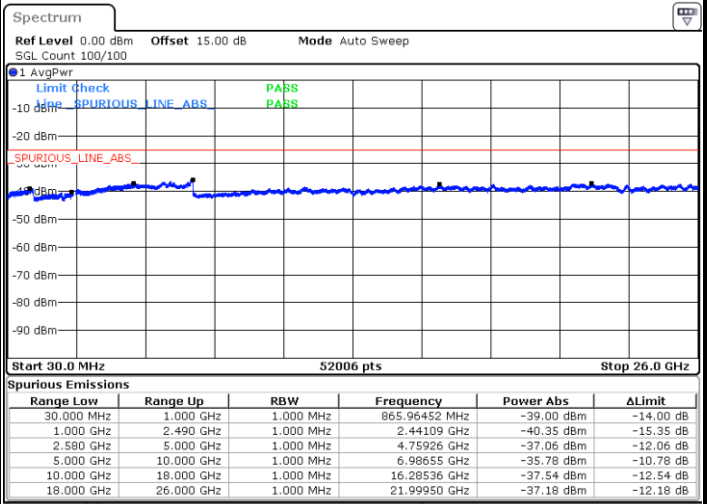
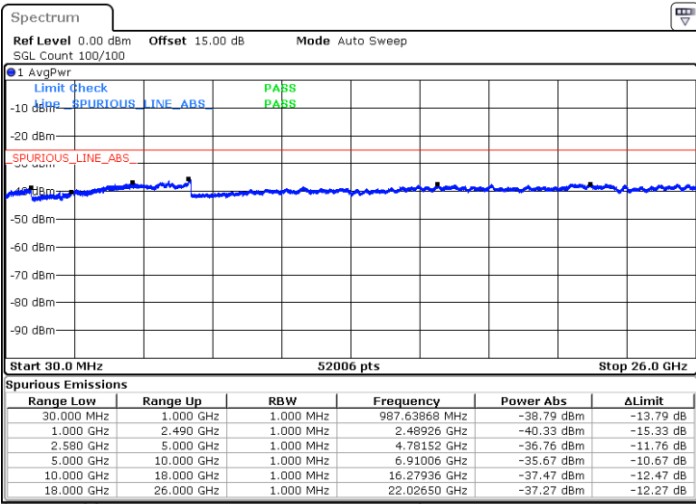


Date: 16.DEC.2021 07:16:45

Date: 16.DEC.2021 07:18:08

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.DEC.2021 07:27:46

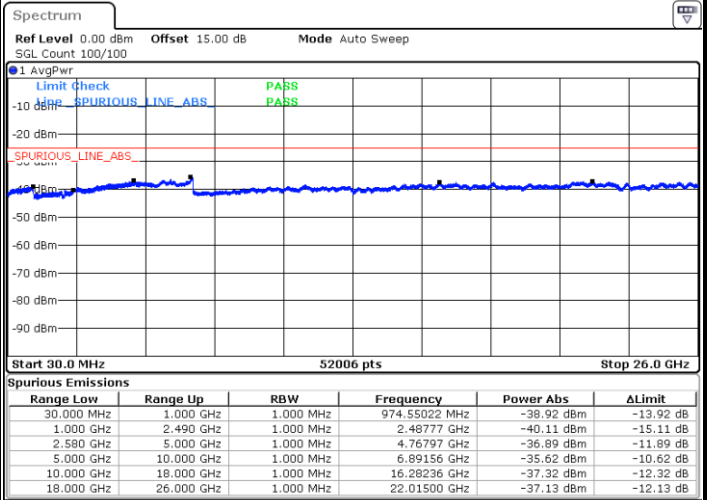
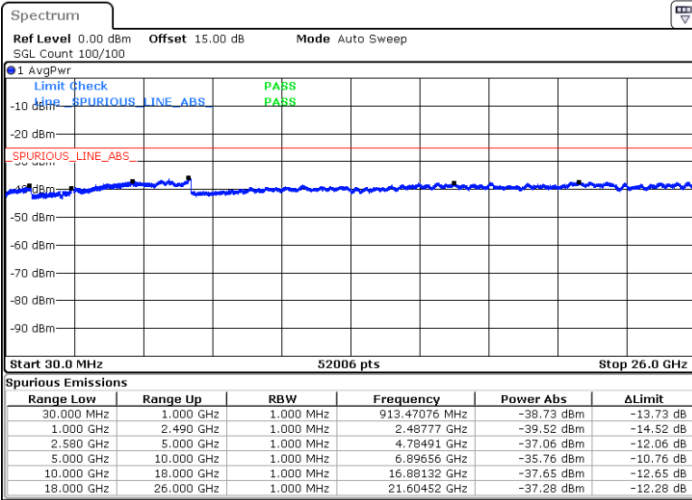
Date: 16.DEC.2021 07:29:09



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

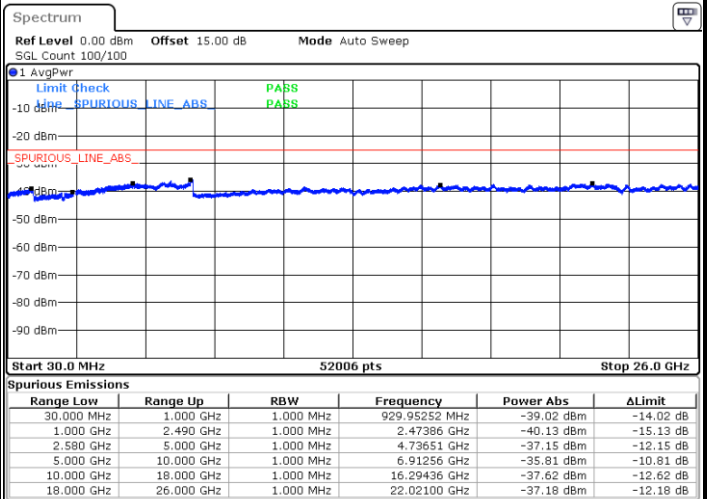
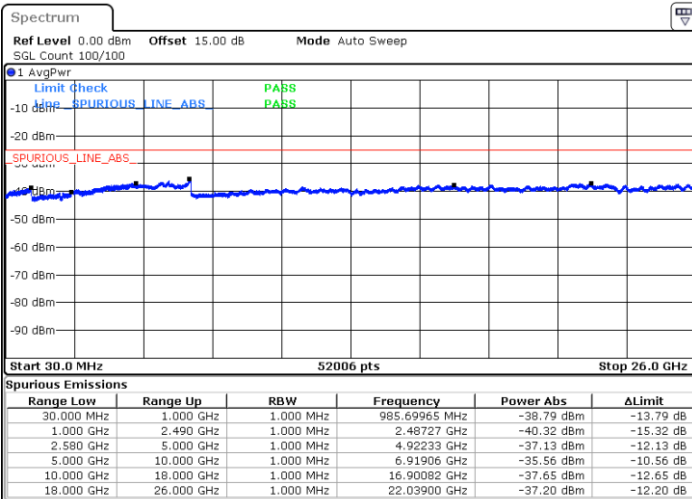


Date: 16.DEC.2021 07:50:21

Date: 16.DEC.2021 07:51:20

Middle Channel / QPSK

Middle Channel / 16QAM



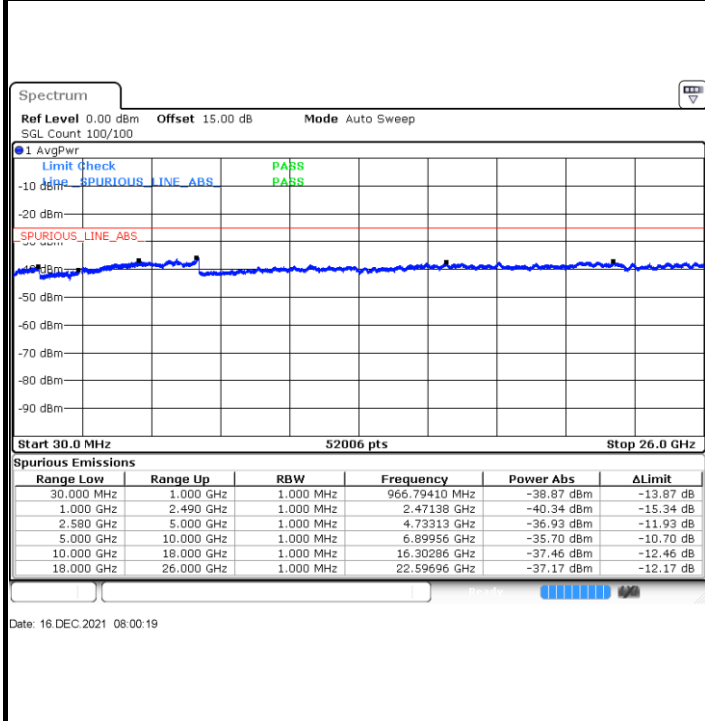
Date: 16.DEC.2021 07:53:54

Date: 16.DEC.2021 07:54:53

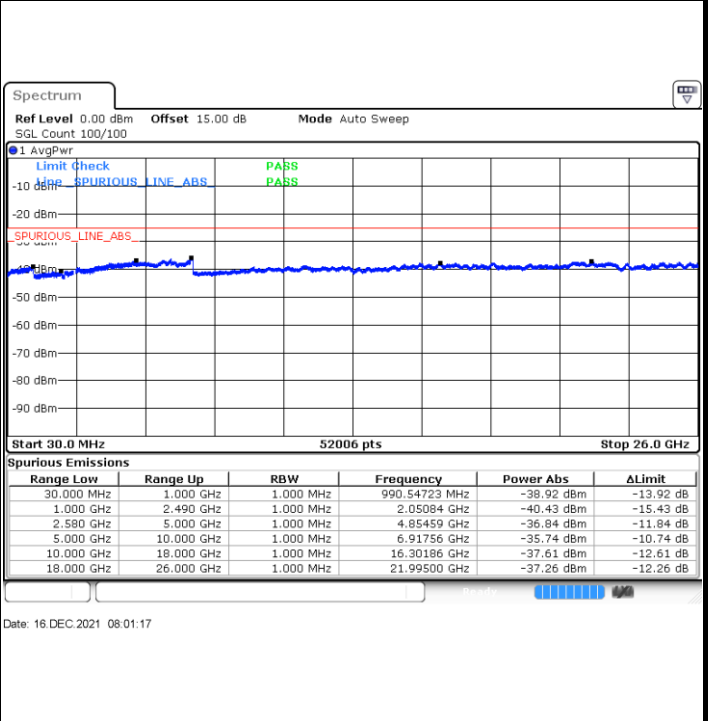


LTE Band7 / 15MHz

Highest Channel / QPSK

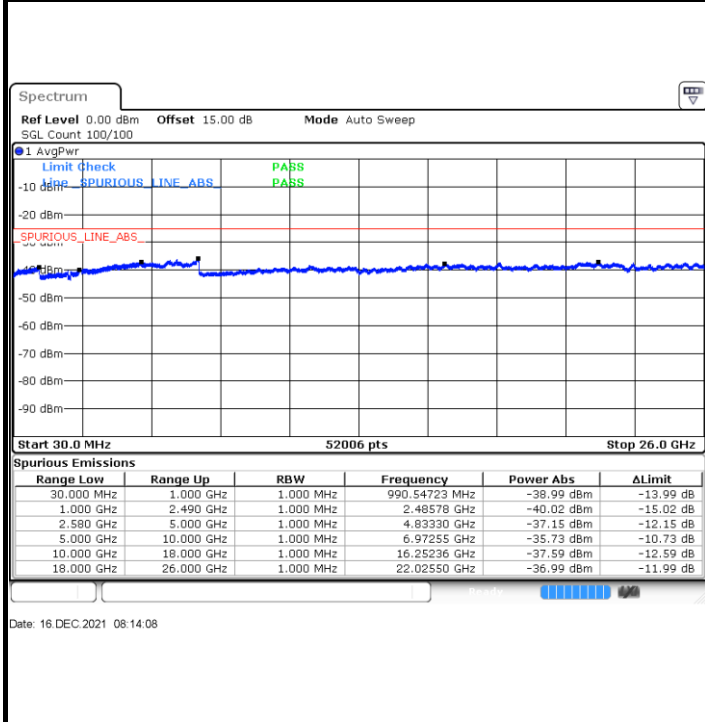


Highest Channel / 16QAM

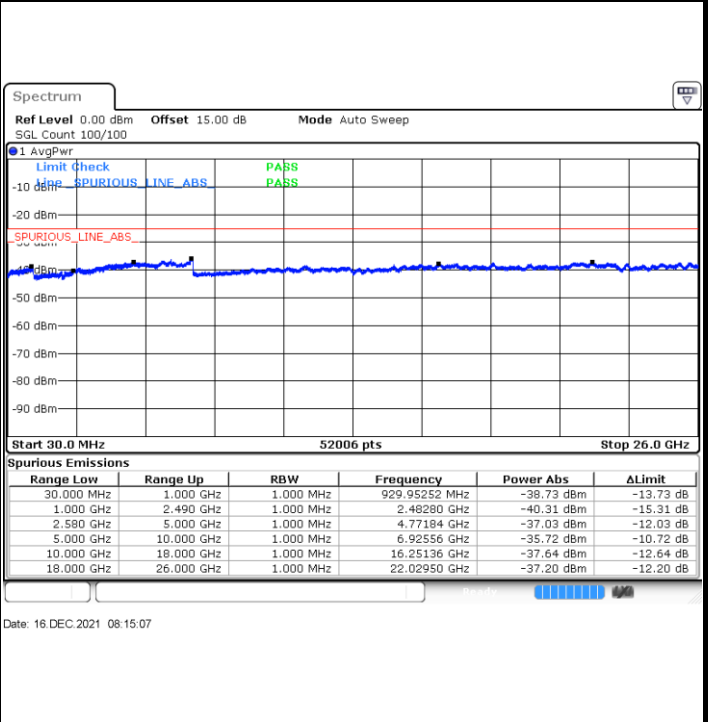


LTE Band 7 / 20MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

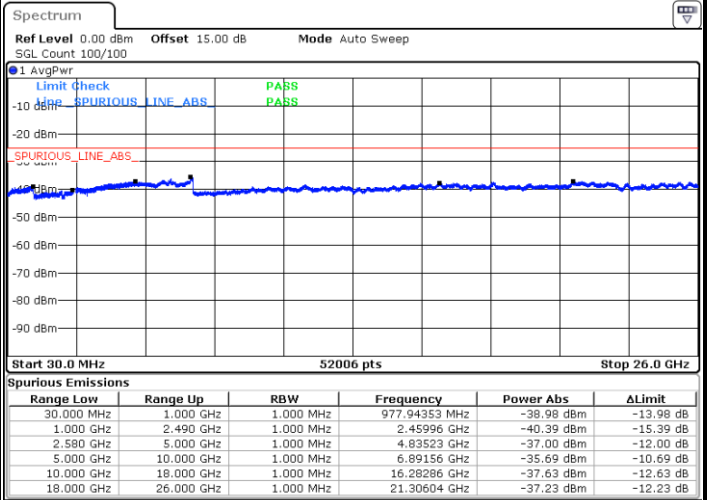
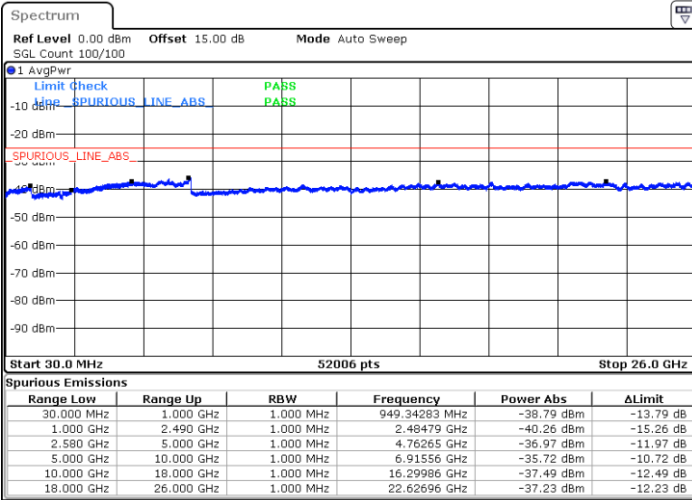




LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

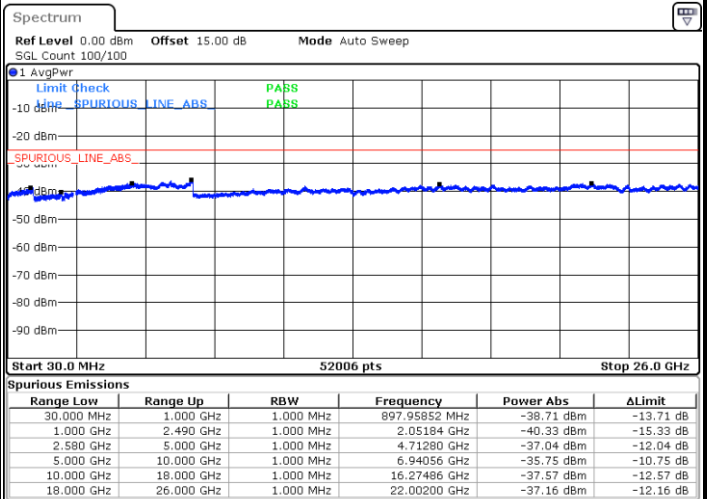
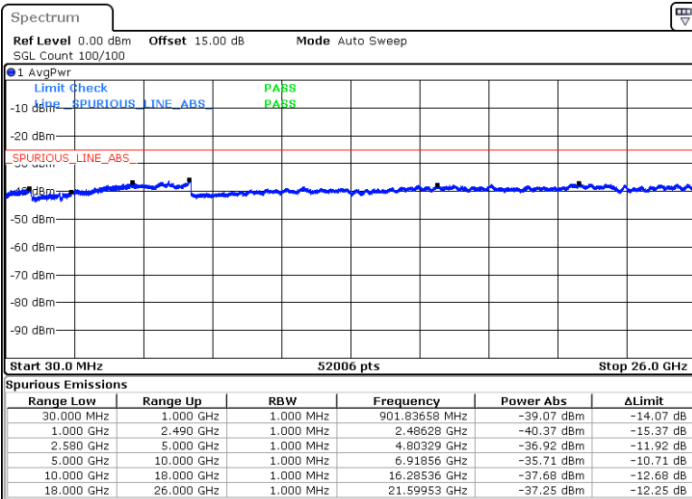


Date: 16.DEC.2021 08:17:41

Date: 16.DEC.2021 08:18:40

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.DEC.2021 08:55:34

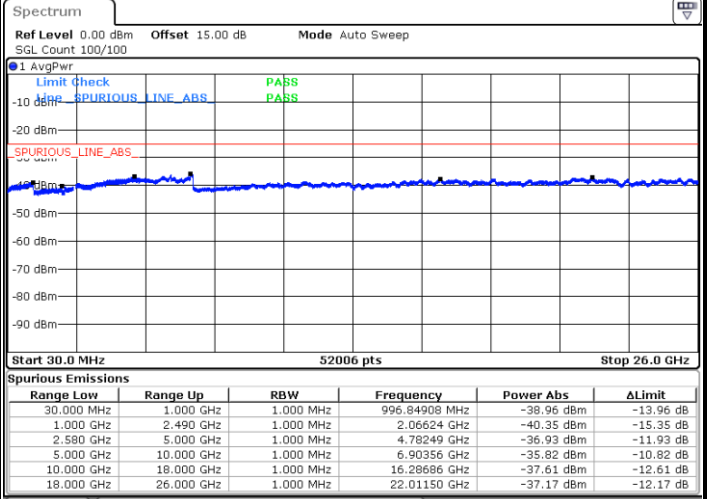
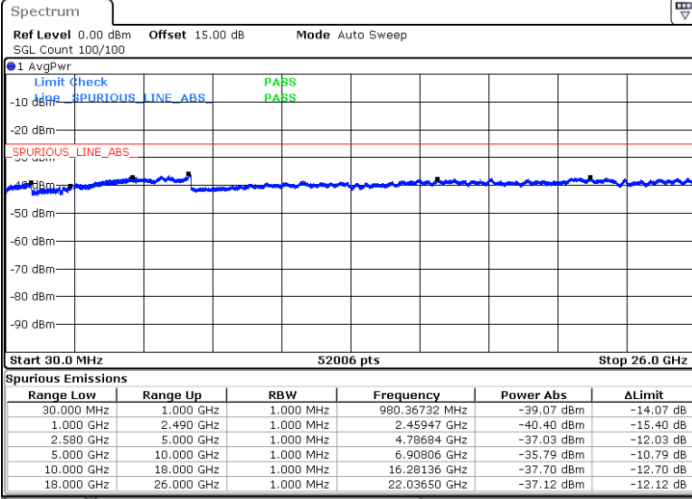
Date: 16.DEC.2021 08:56:33



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

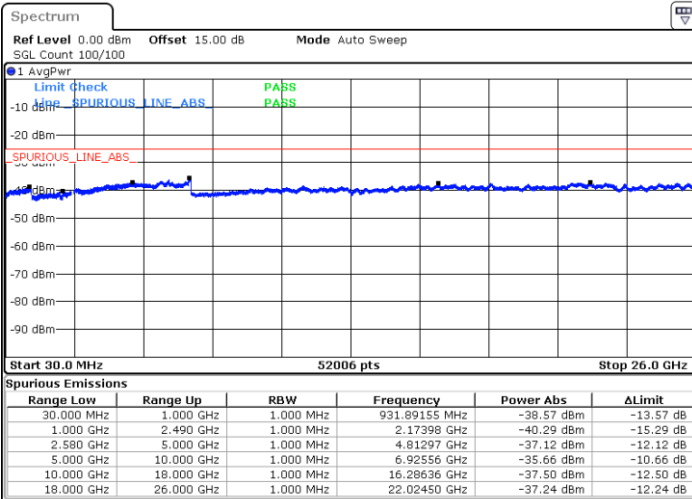
Middle Channel / 64QAM



Date: 16.DEC.2021 06:55:25

Date: 16.DEC.2021 06:57:26

Highest Channel / 64QAM



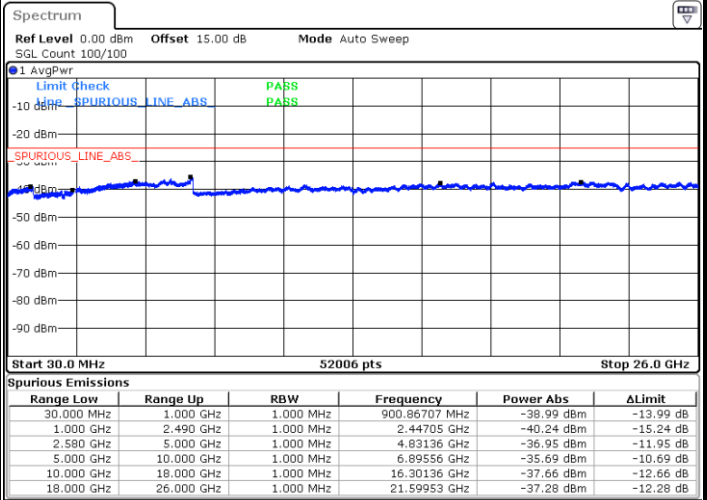
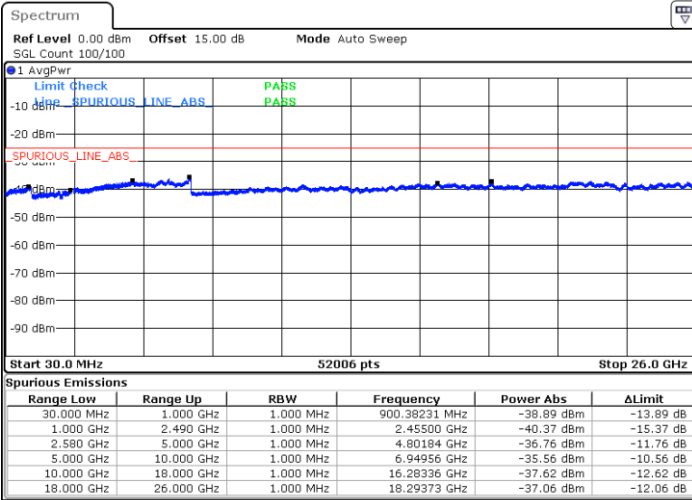
Date: 16.DEC.2021 07:02:47



LTE Band 7 / 10MHz

Lowest Channel / 64QAM

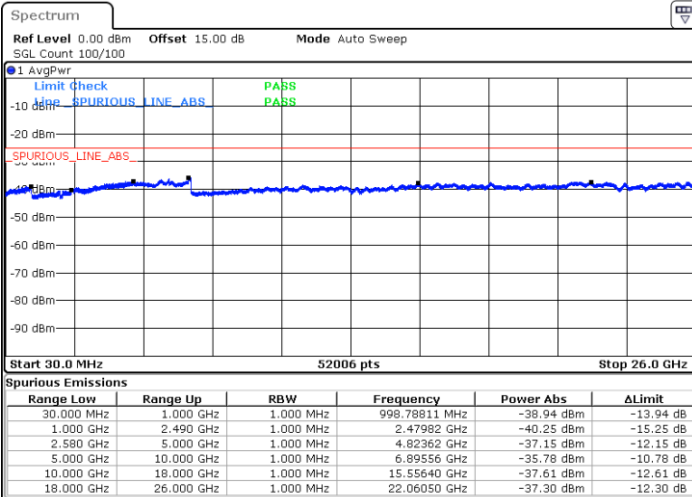
Middle Channel / 64QAM



Date: 16.DEC.2021 07:34:28

Date: 16.DEC.2021 07:36:30

Highest Channel / 64QAM



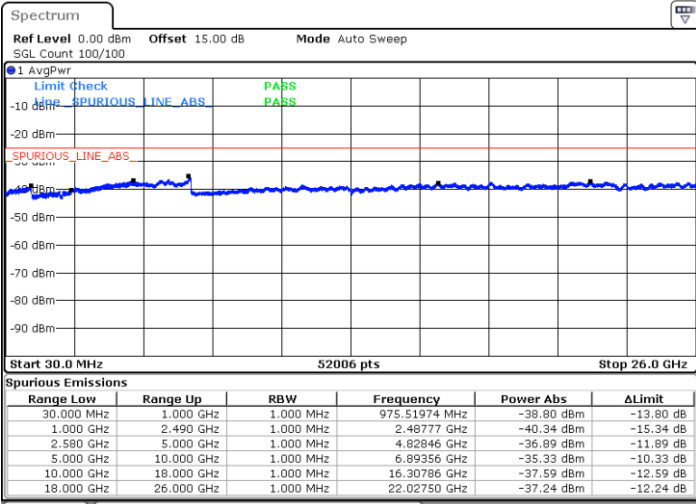
Date: 16.DEC.2021 07:41:50



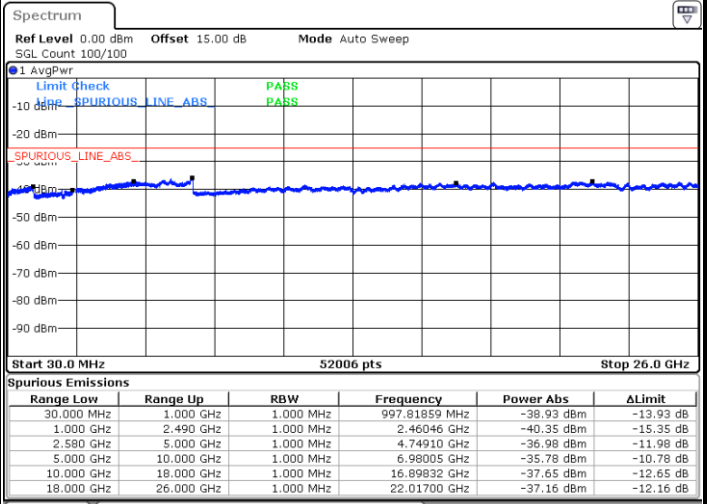
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

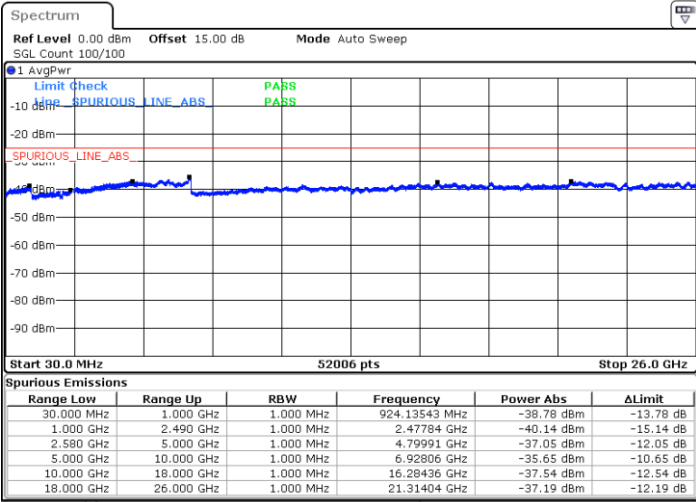


Date: 16.DEC.2021 08:04:18



Date: 16.DEC.2021 08:05:56

Highest Channel / 64QAM



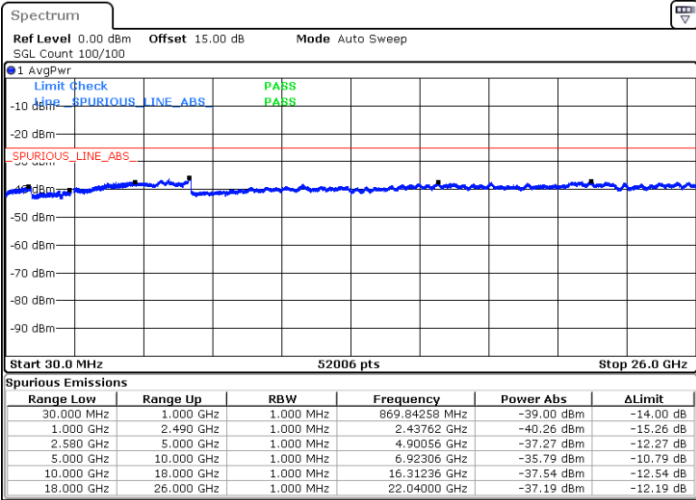
Date: 16.DEC.2021 08:08:52



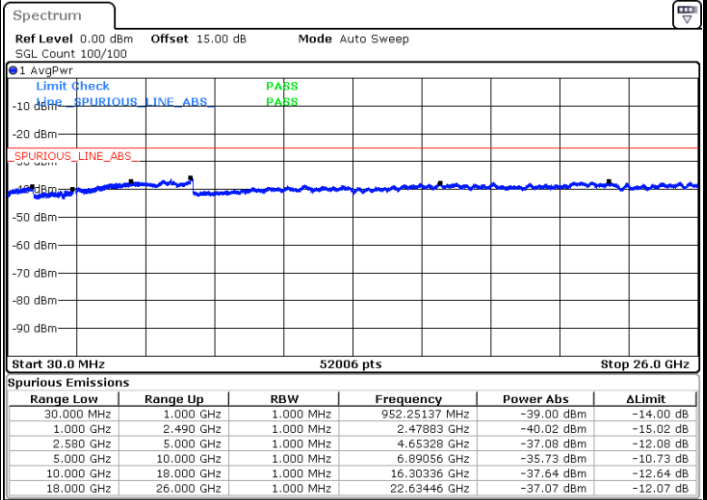
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

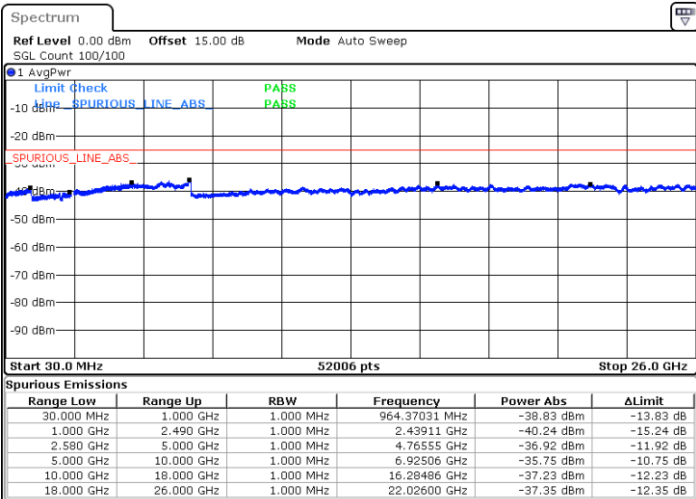


Date: 16 DEC 2021 08:59:30



Date: 16 DEC 2021 09:01:08

Highest Channel / 64QAM



Date: 16 DEC 2021 09:04:03



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.97	25.38	30.57	35.11
Middle CH	29.97	25.38	30.63	34.90
Highest CH	29.91	25.38	30.69	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.91	34.97	39.96	-
Middle CH	30.03	35.04	39.80	-
Highest CH	30.09	35.04	39.96	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	30.09	25.18	30.75	35.04
Middle CH	30.03	25.23	30.63	35.11
Highest CH	29.91	25.28	30.69	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.90	39.88	-
Middle CH	29.97	34.97	39.88	-
Highest CH	30.15	34.97	39.96	-

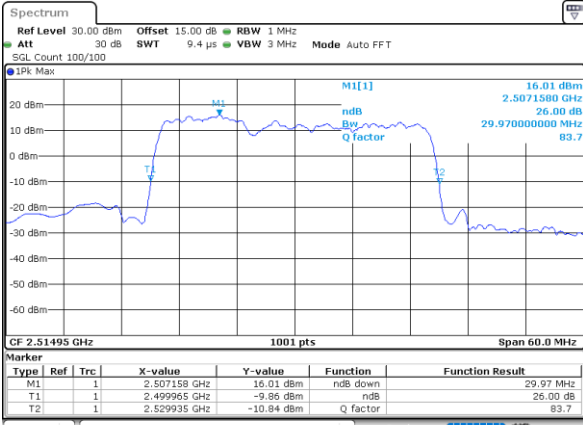
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.97	25.33	30.63	34.97
Middle CH	29.97	25.28	30.57	35.11
Highest CH	30.03	25.23	30.63	35.11
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.21	34.97	39.80	-
Middle CH	29.97	34.97	39.88	-
Highest CH	30.03	35.11	39.96	-



LTE Band 7C

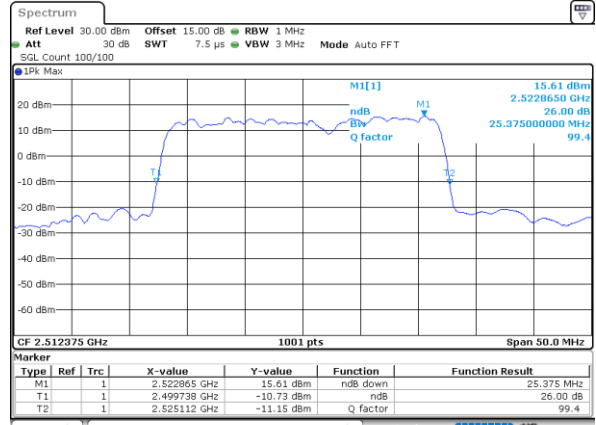
QPSK

Lowest Channel / 10MHz+20MHz



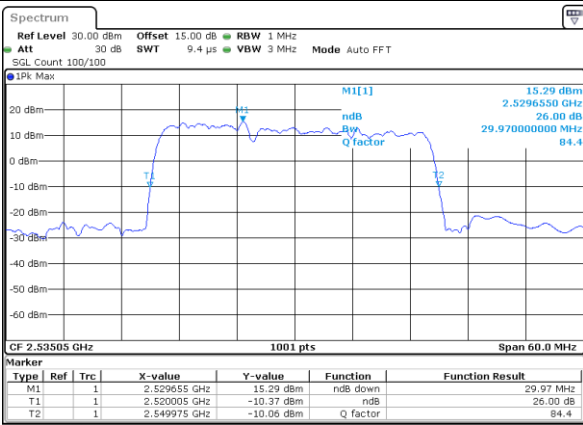
Date: 18 DEC 2021 11:37:14

Lowest Channel / 15MHz+10MHz



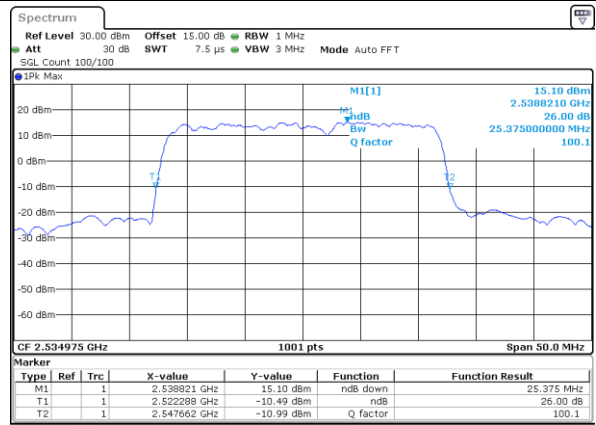
Date: 18 DEC 2021 17:26:19

Middle Channel / 10MHz+20MHz



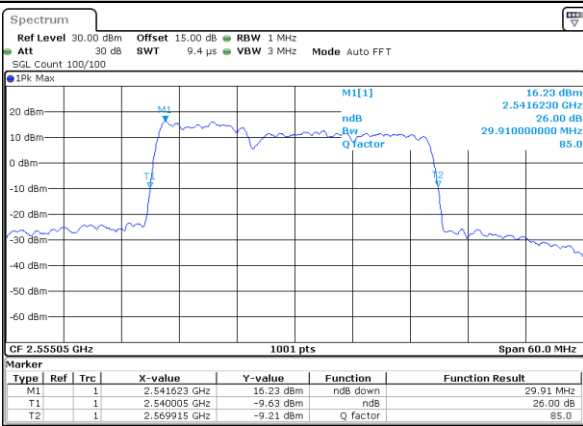
Date: 18 DEC 2021 11:58:02

Middle Channel / 15MHz+10MHz



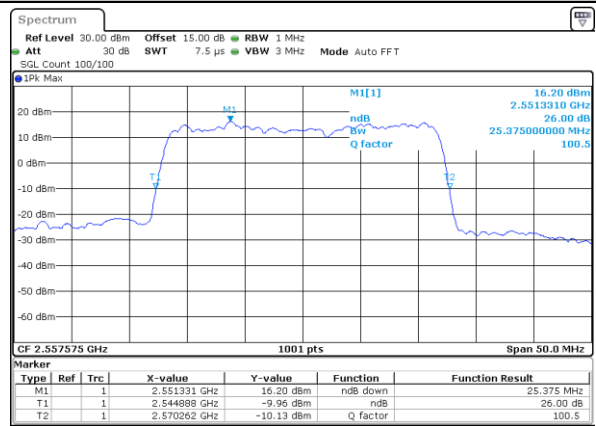
Date: 18 DEC 2021 17:44:53

Highest Channel / 10MHz+20MHz



Date: 18 DEC 2021 12:10:34

Highest Channel / 15MHz+10MHz



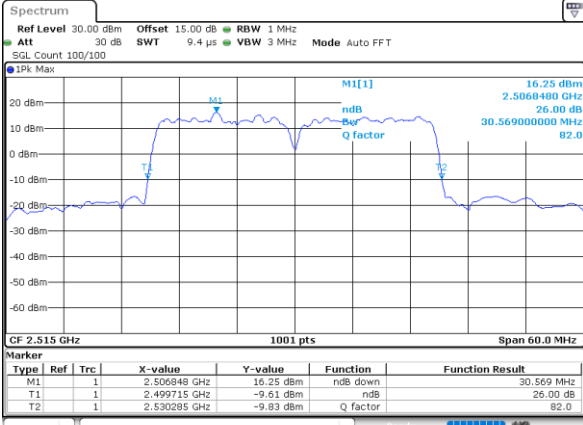
Date: 18 DEC 2021 17:57:10



LTE Band 7C

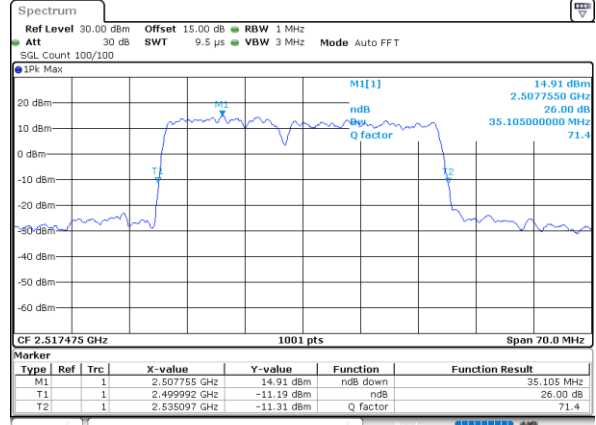
QPSK

Lowest Channel / 15MHz+15MHz



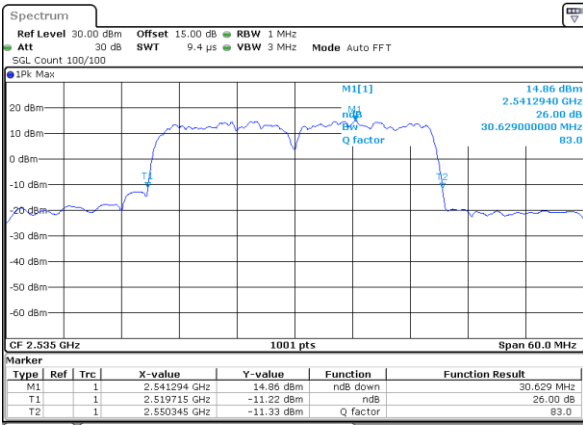
Date: 18, DEC, 2021 16:22:16

Lowest Channel / 15MHz+20MHz



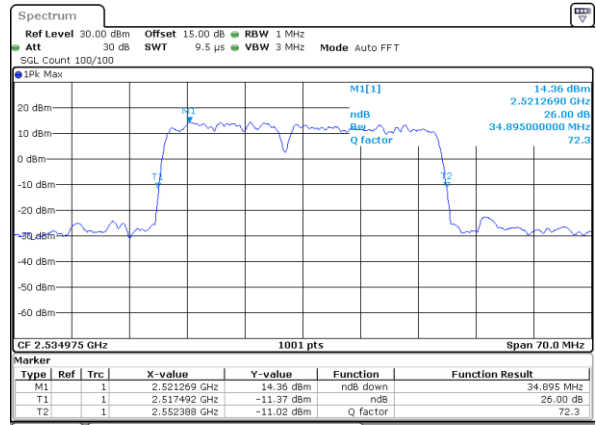
Date: 18, DEC, 2021 12:35:05

Middle Channel / 15MHz+15MHz



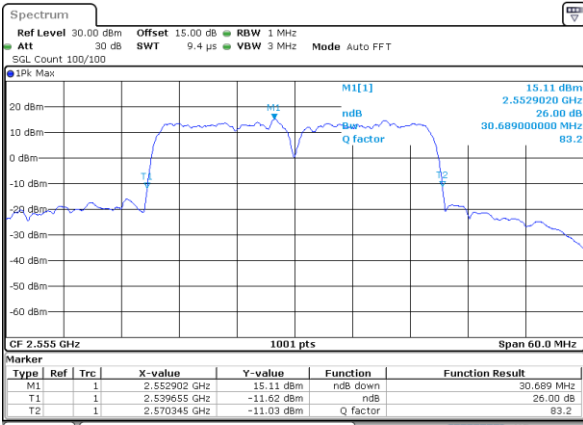
Date: 18, DEC, 2021 16:41:38

Middle Channel / 15MHz+20MHz



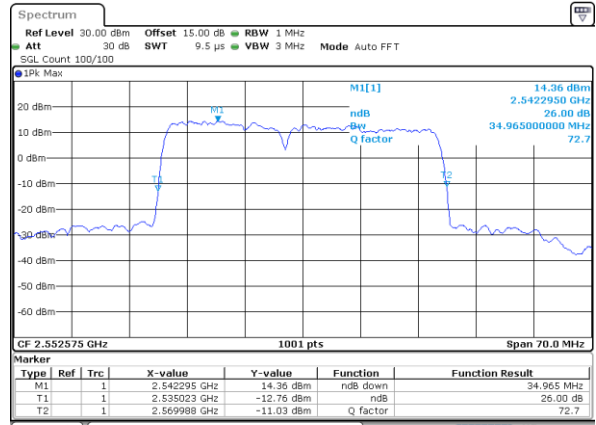
Date: 18, DEC, 2021 12:55:12

Highest Channel / 15MHz+15MHz



Date: 18, DEC, 2021 16:54:12

Highest Channel / 15MHz+20MHz



Date: 18, DEC, 2021 13:07:46