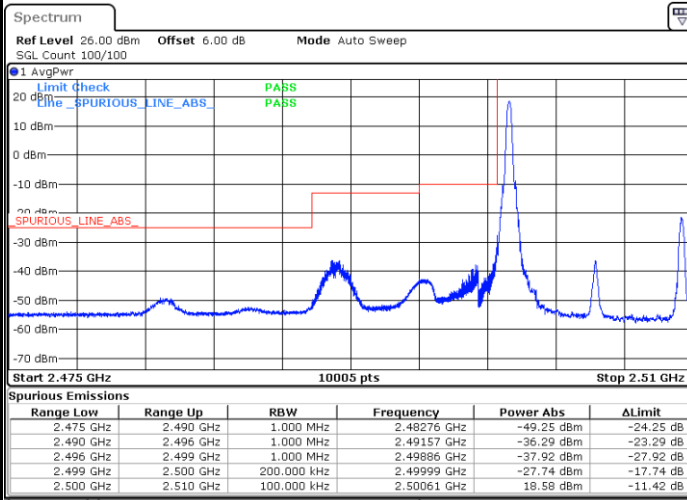




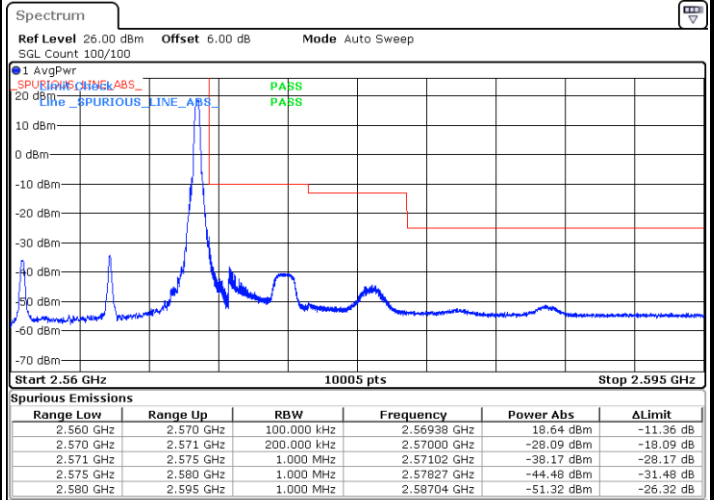
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



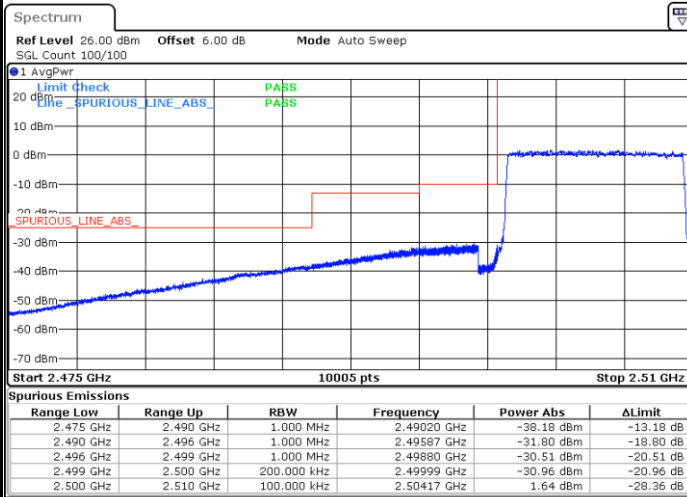
Date: 7.DEC.2021 01:28:44

Highest Band Edge / 1 RB



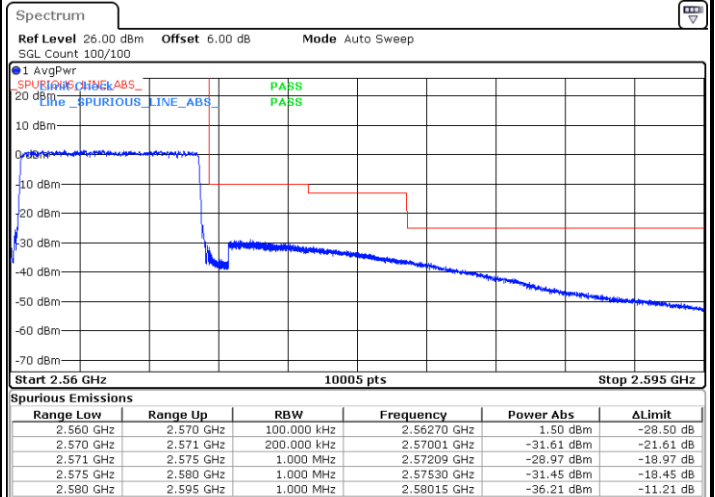
Date: 7.DEC.2021 01:40:21

Lowest Band Edge / Full RB



Date: 7.DEC.2021 01:26:48

Highest Band Edge / Full RB

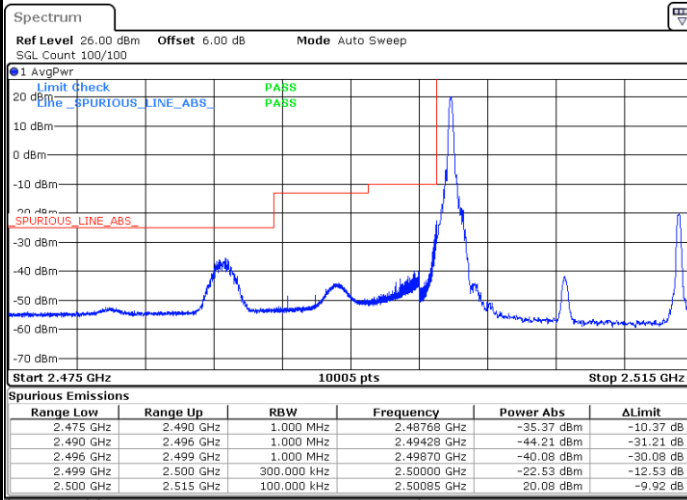


Date: 7.DEC.2021 01:38:26



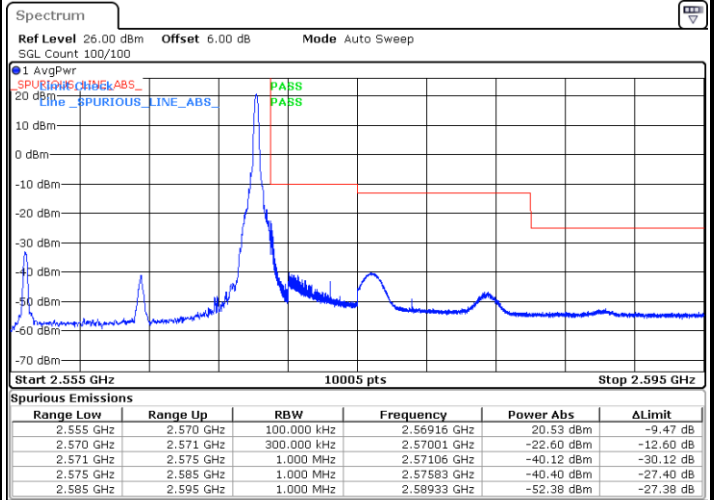
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



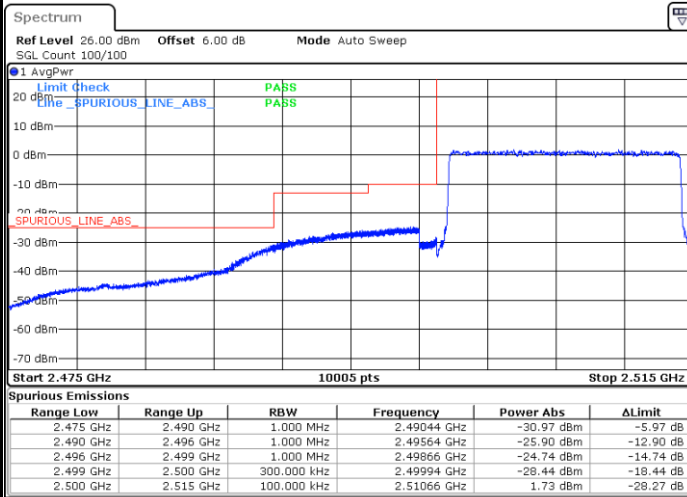
Date: 7.DEC.2021 01:55:46

Highest Band Edge / 1 RB



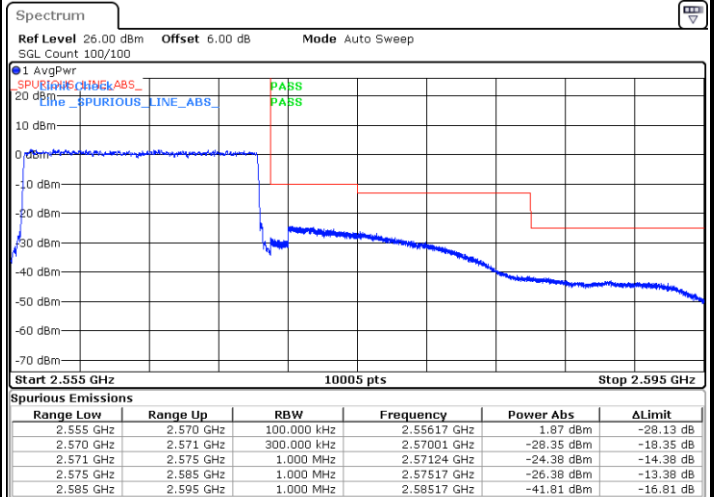
Date: 7.DEC.2021 02:07:18

Lowest Band Edge / Full RB



Date: 7.DEC.2021 01:46:08

Highest Band Edge / Full RB

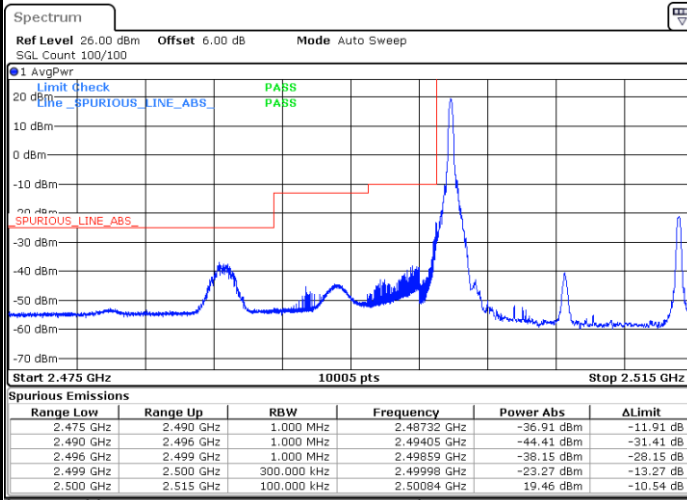


Date: 7.DEC.2021 01:57:41



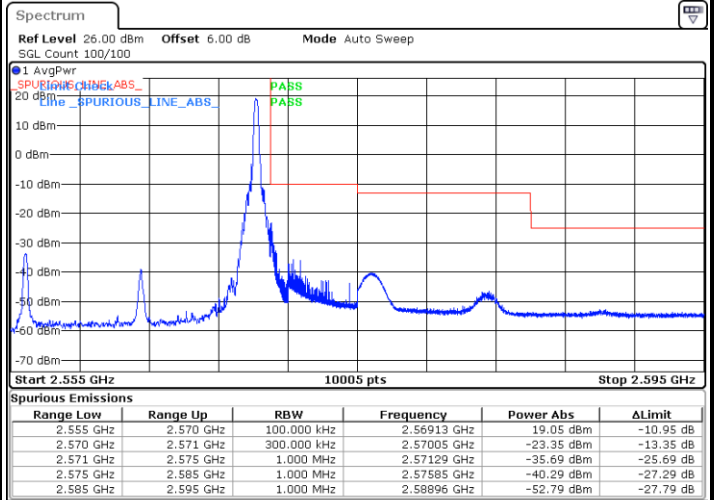
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



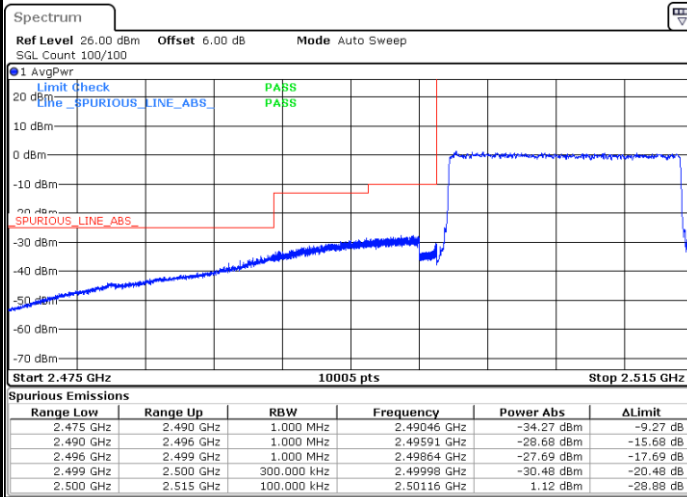
Date: 7.DEC.2021 01:53:50

Highest Band Edge / 1 RB



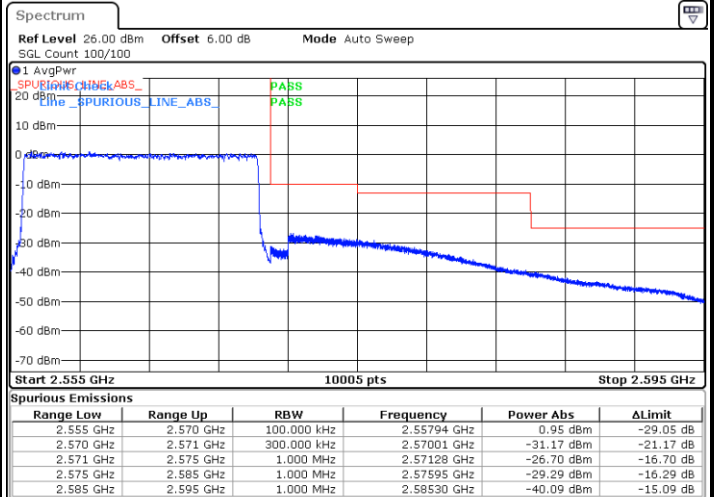
Date: 7.DEC.2021 02:05:23

Lowest Band Edge / Full RB



Date: 7.DEC.2021 01:48:04

Highest Band Edge / Full RB

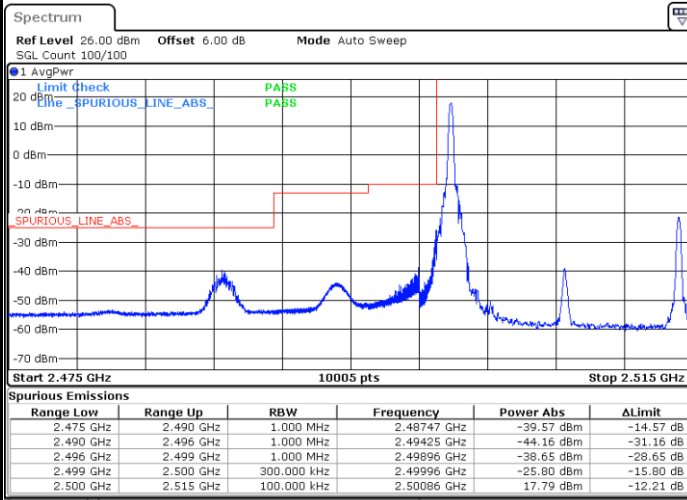


Date: 7.DEC.2021 01:59:37



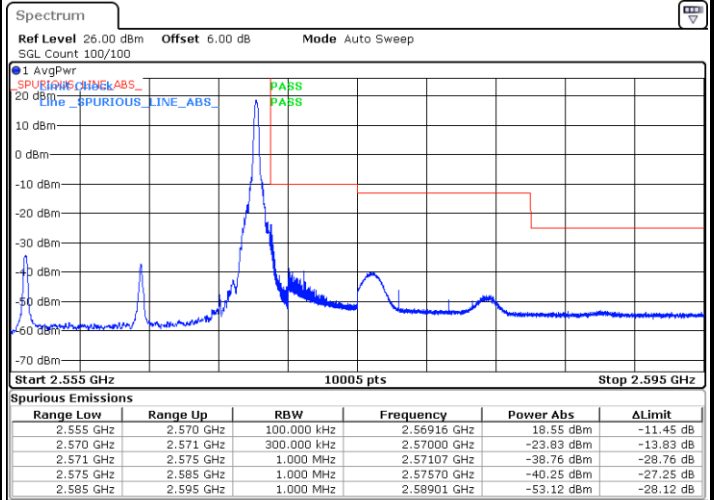
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



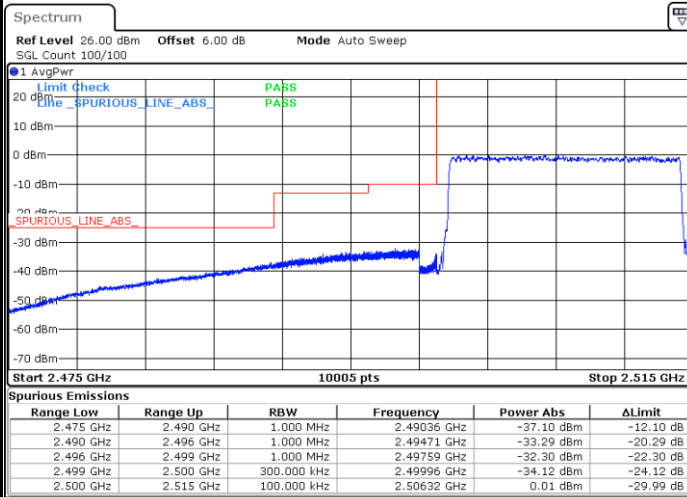
Date: 7.DEC.2021 01:51:55

Highest Band Edge / 1 RB



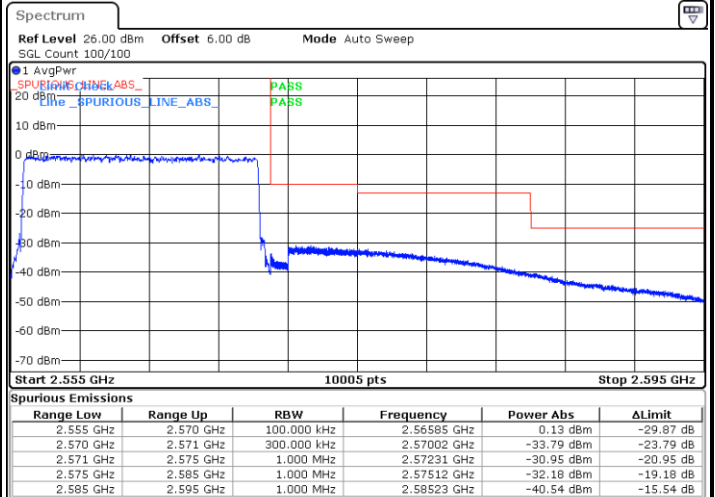
Date: 7.DEC.2021 02:03:27

Lowest Band Edge / Full RB



Date: 7.DEC.2021 01:49:59

Highest Band Edge / Full RB

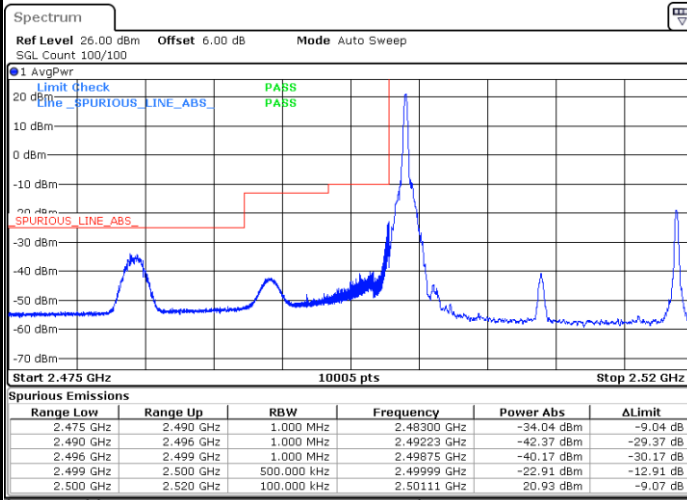


Date: 7.DEC.2021 02:01:32



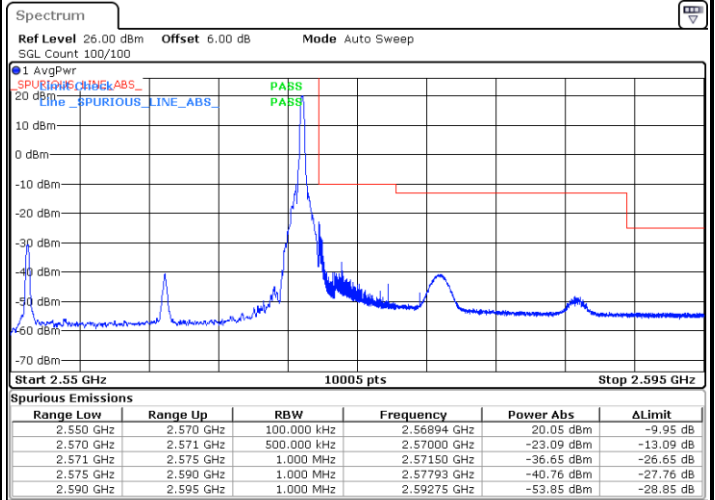
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



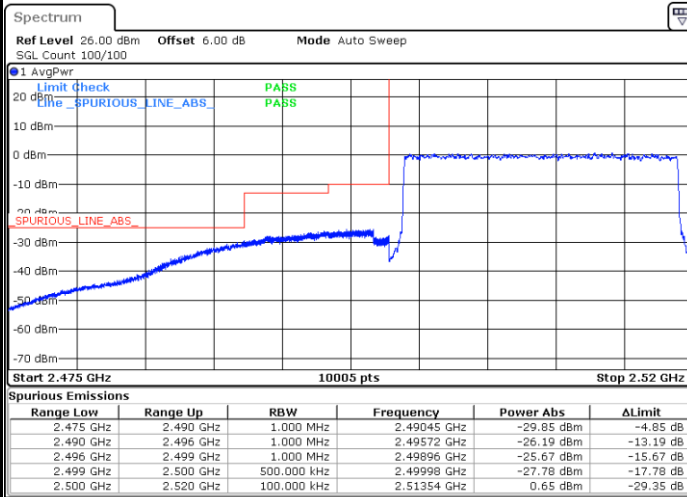
Date: 7.DEC.2021 02:18:51

Highest Band Edge / 1 RB



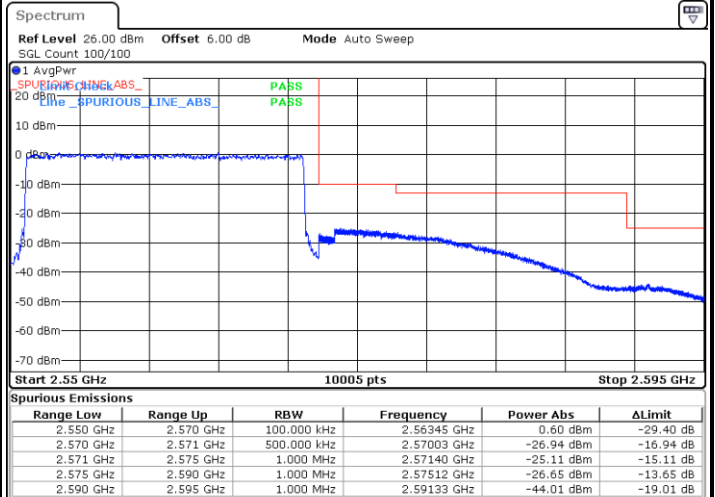
Date: 7.DEC.2021 02:30:24

Lowest Band Edge / Full RB



Date: 7.DEC.2021 02:09:14

Highest Band Edge / Full RB

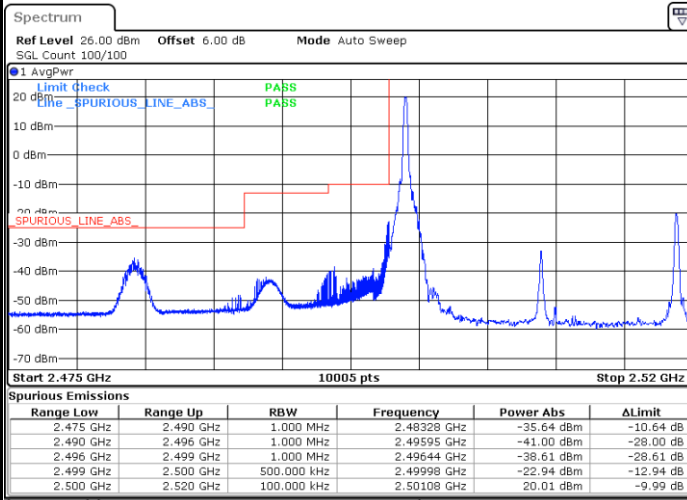


Date: 7.DEC.2021 02:20:46



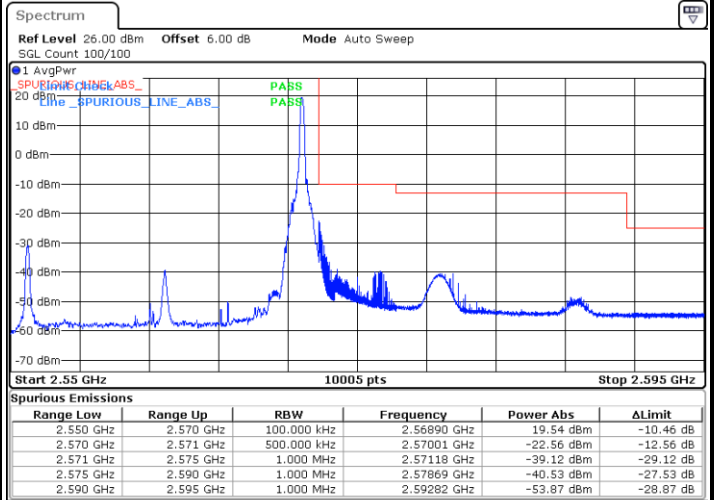
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



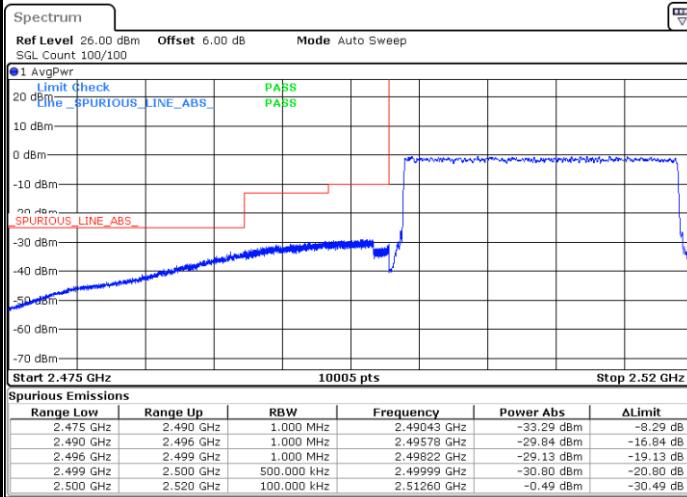
Date: 7.DEC.2021 02:16:56

Highest Band Edge / 1 RB



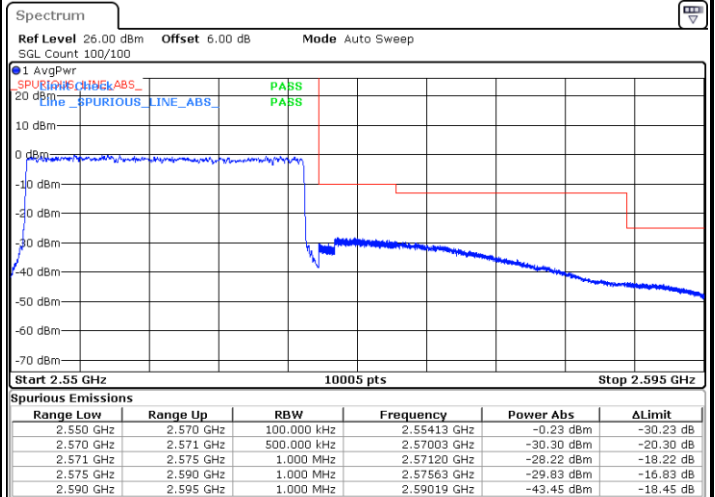
Date: 7.DEC.2021 02:28:28

Lowest Band Edge / Full RB



Date: 7.DEC.2021 02:11:09

Highest Band Edge / Full RB

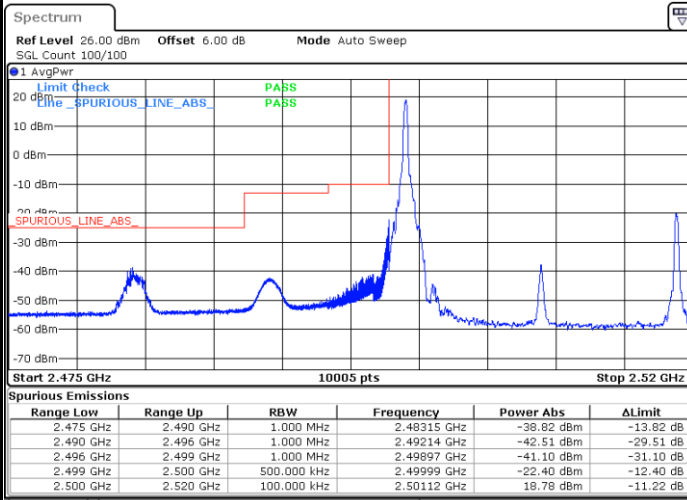


Date: 7.DEC.2021 02:22:42



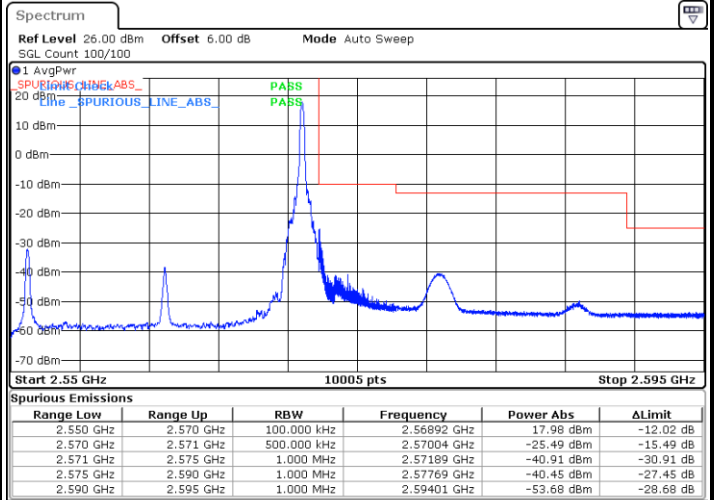
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



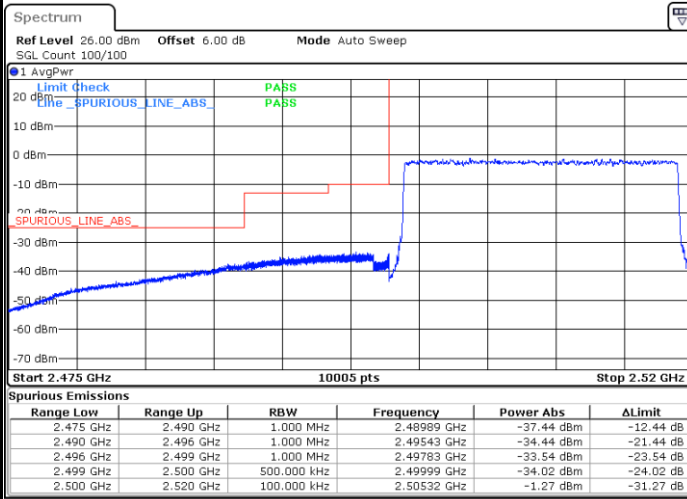
Date: 7.DEC.2021 02:15:00

Highest Band Edge / 1 RB



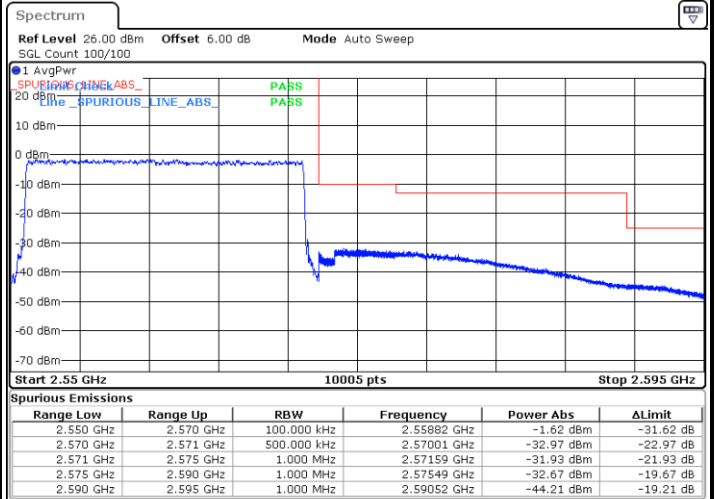
Date: 7.DEC.2021 02:26:33

Lowest Band Edge / Full RB



Date: 7.DEC.2021 02:13:05

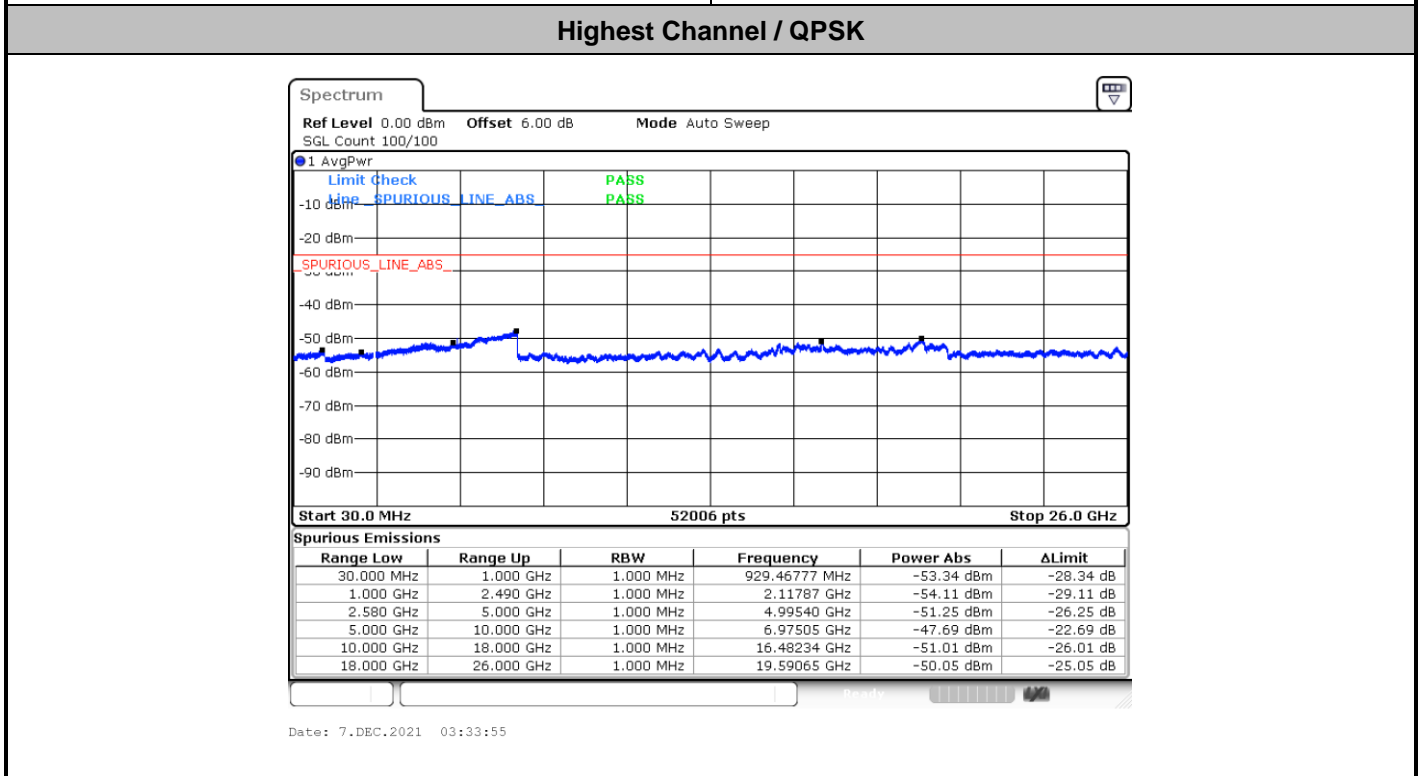
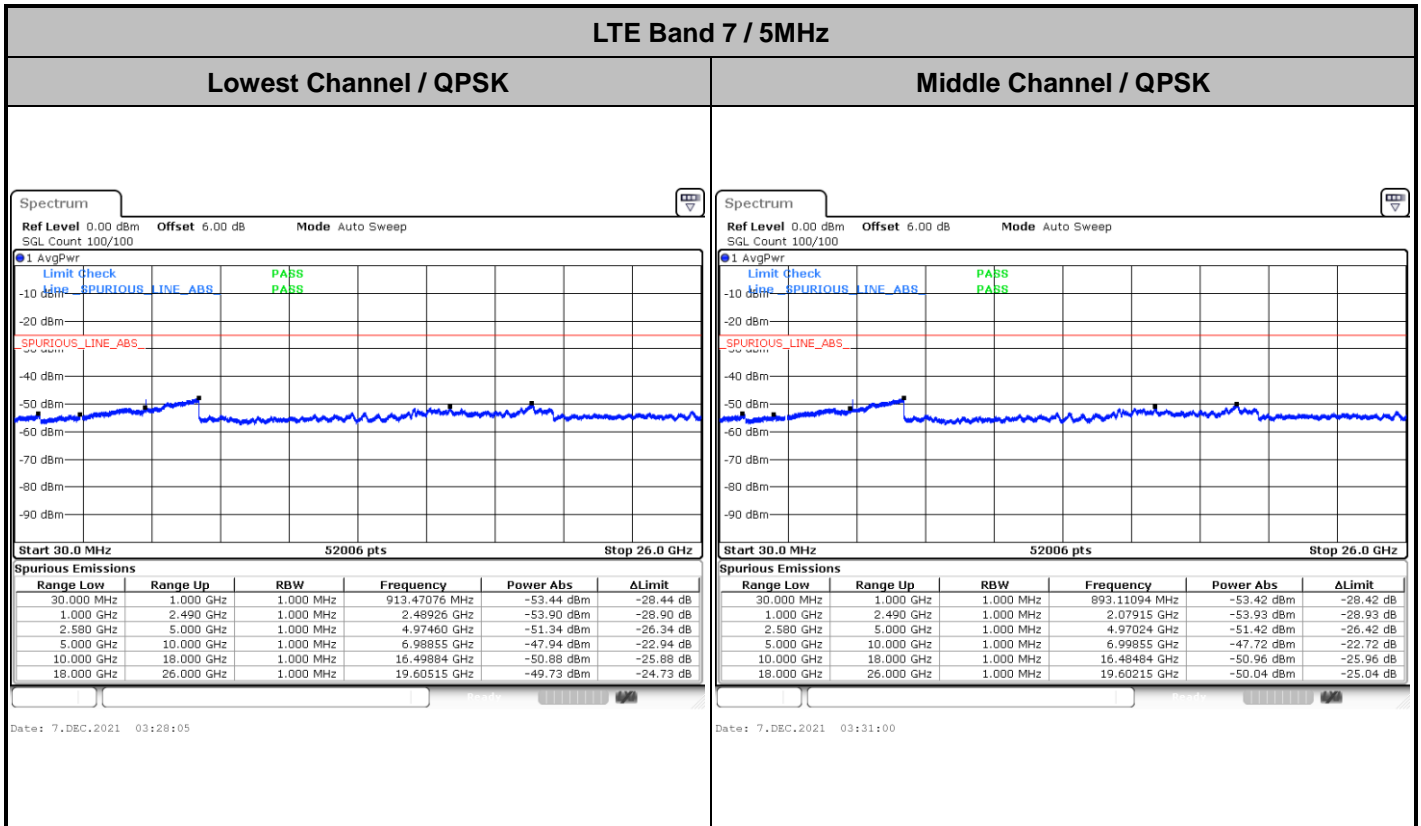
Highest Band Edge / Full RB



Date: 7.DEC.2021 02:24:37



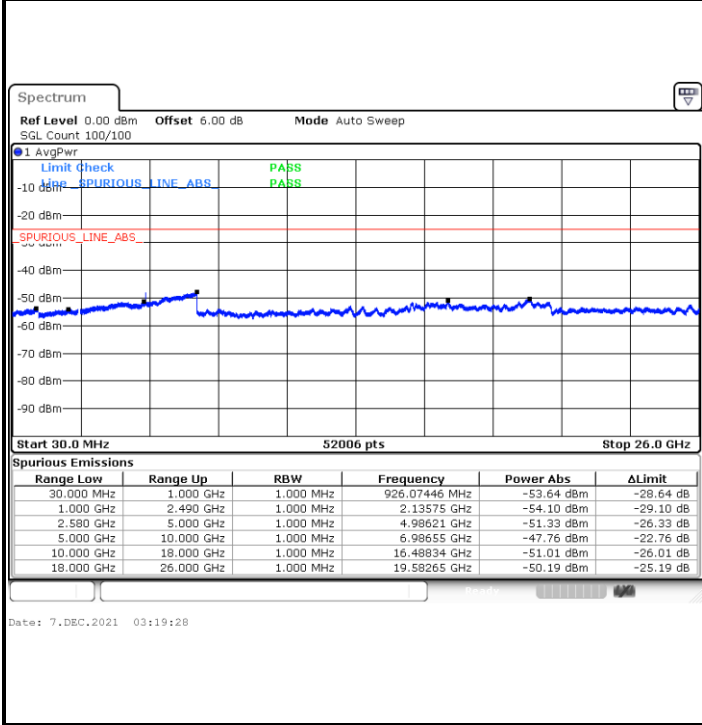
Conducted Spurious Emission



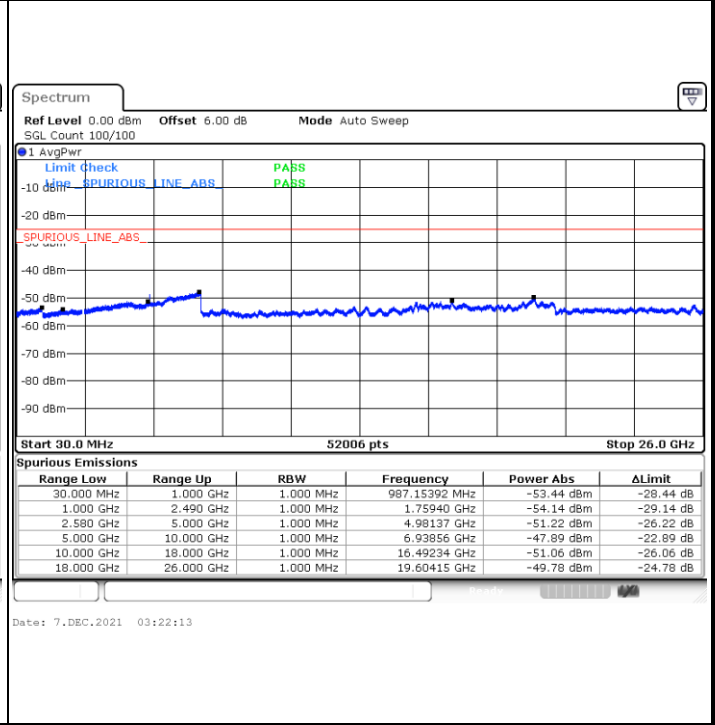


LTE Band 7 / 10MHz

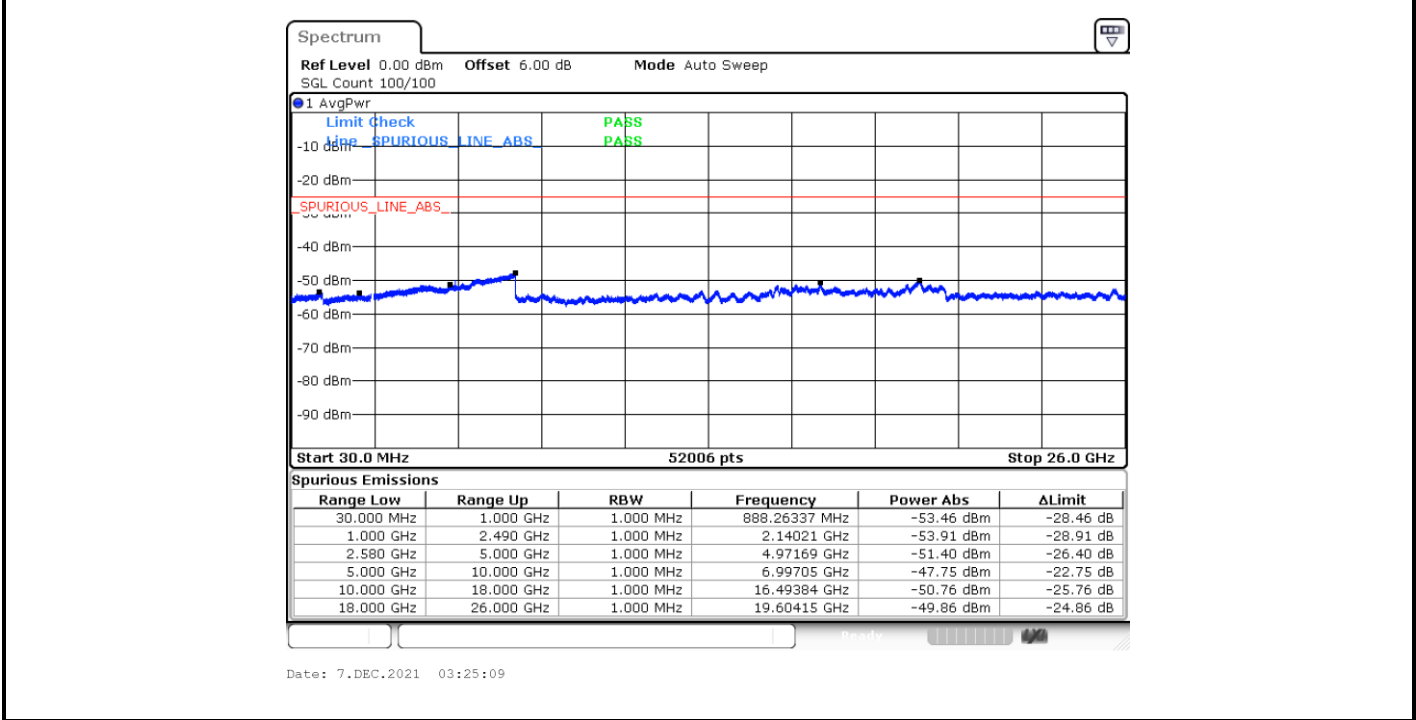
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

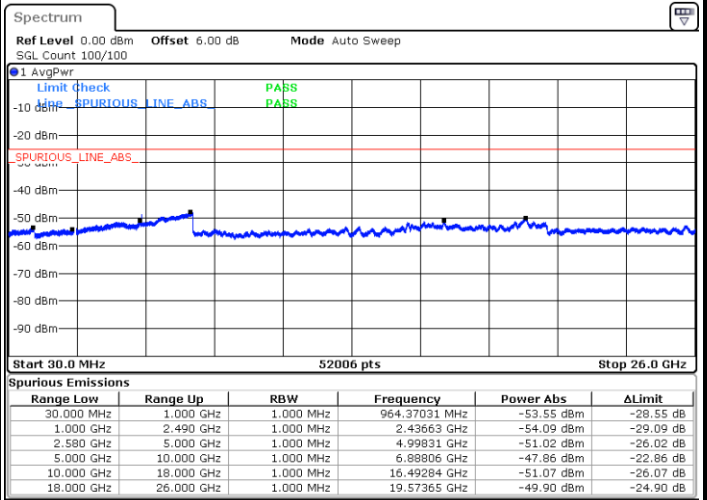
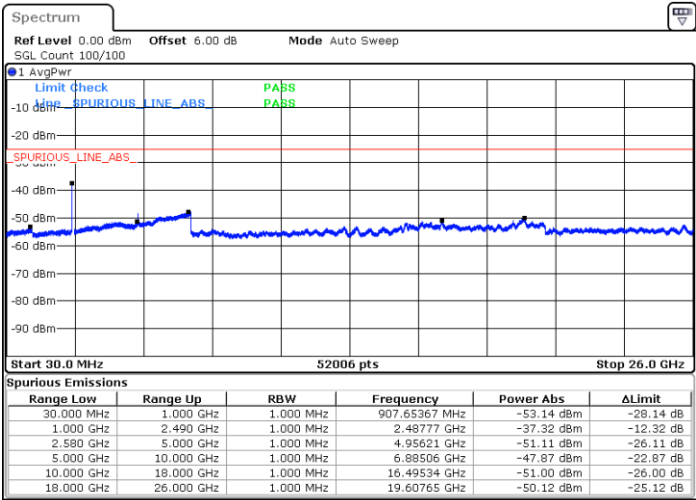




LTE Band 7 / 15MHz

Lowest Channel / QPSK

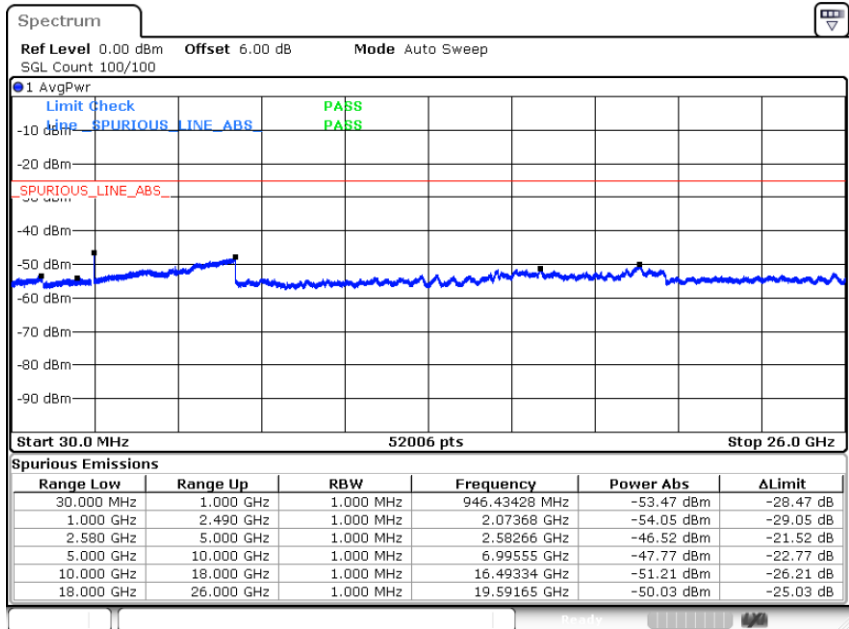
Middle Channel / QPSK



Date: 7.DEC.2021 02:42:16

Date: 7.DEC.2021 02:45:52

Highest Channel / QPSK

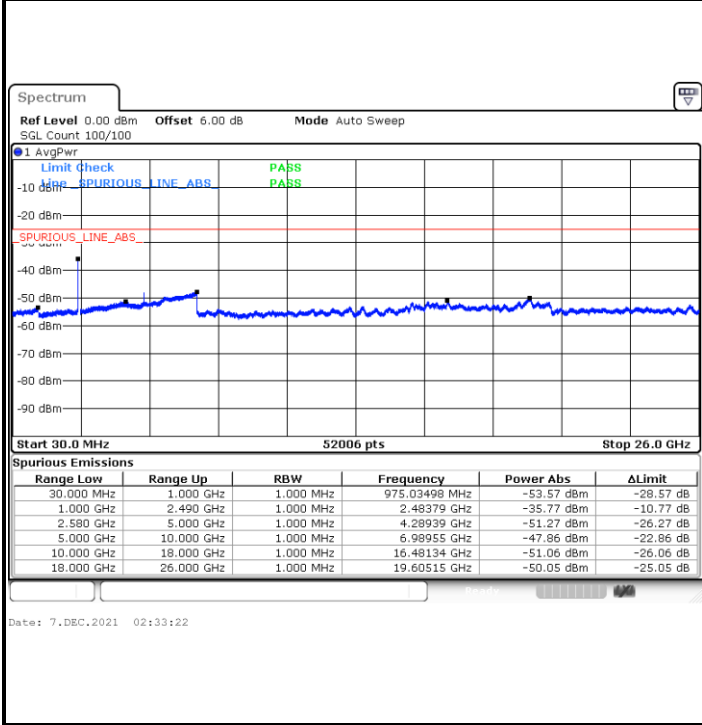


Date: 7.DEC.2021 02:48:47

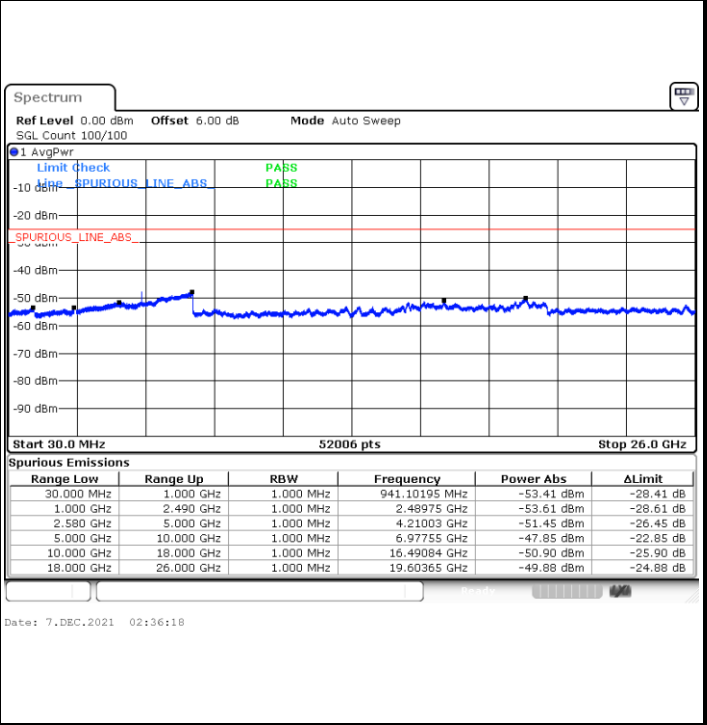


LTE Band 7 / 20MHz

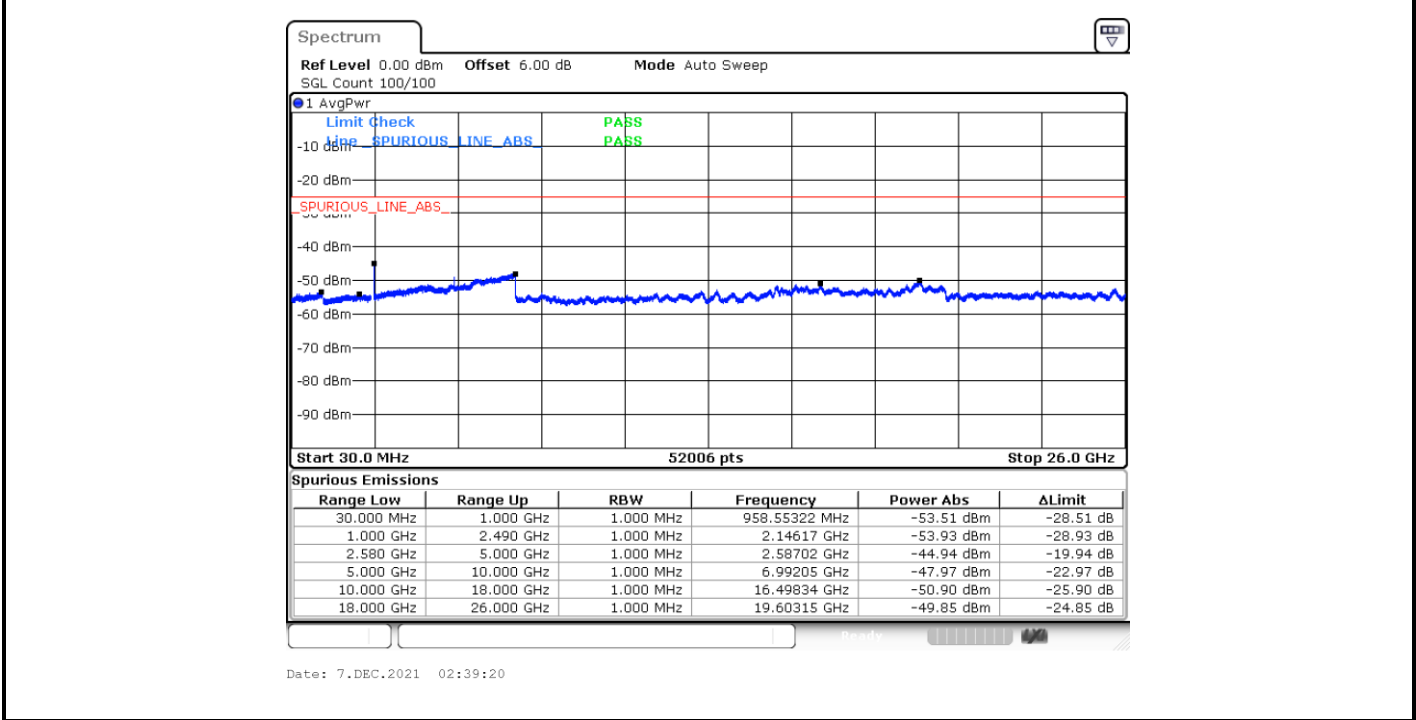
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

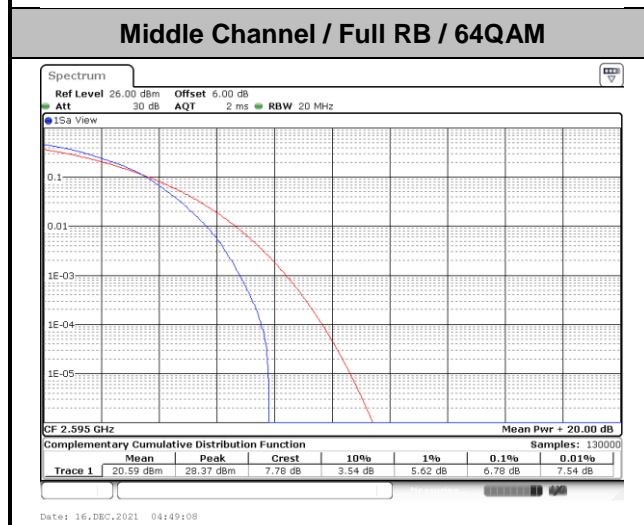
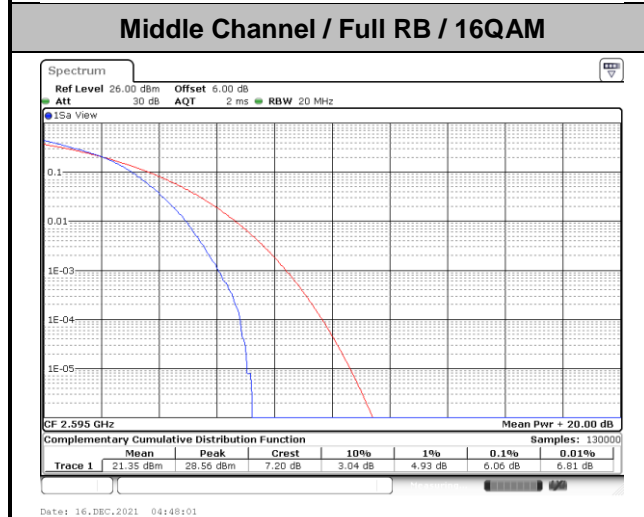
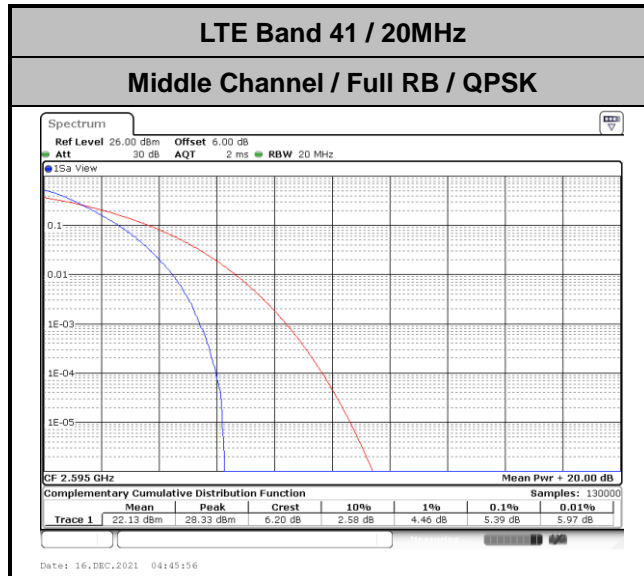
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

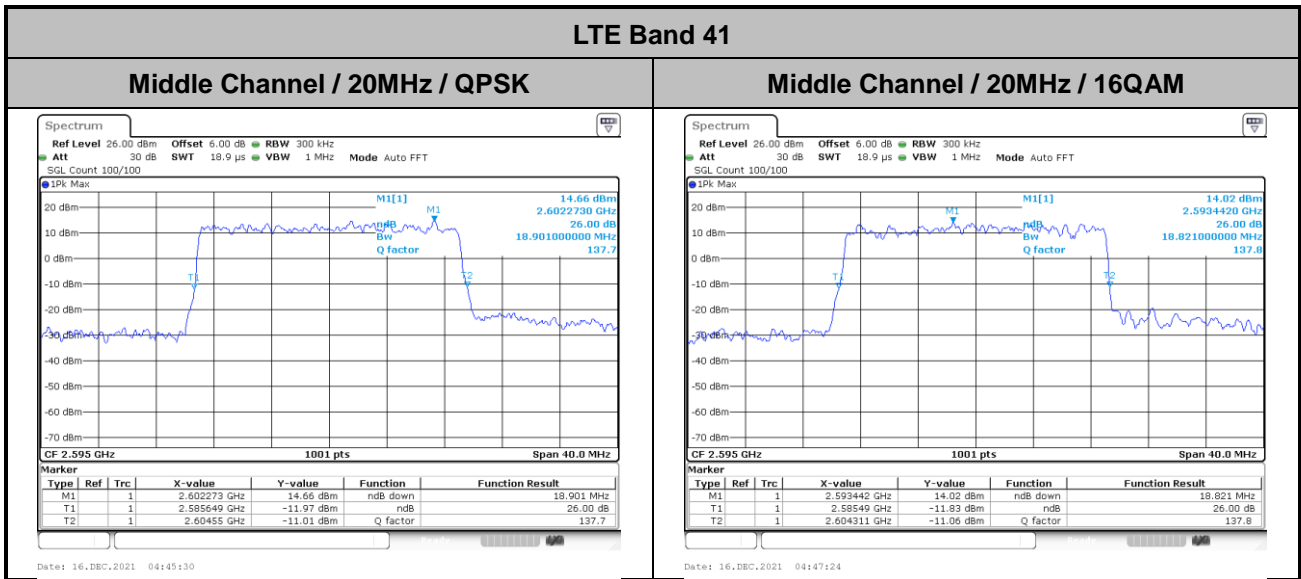
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.39	6.06	6.78	PASS





26dB Bandwidth

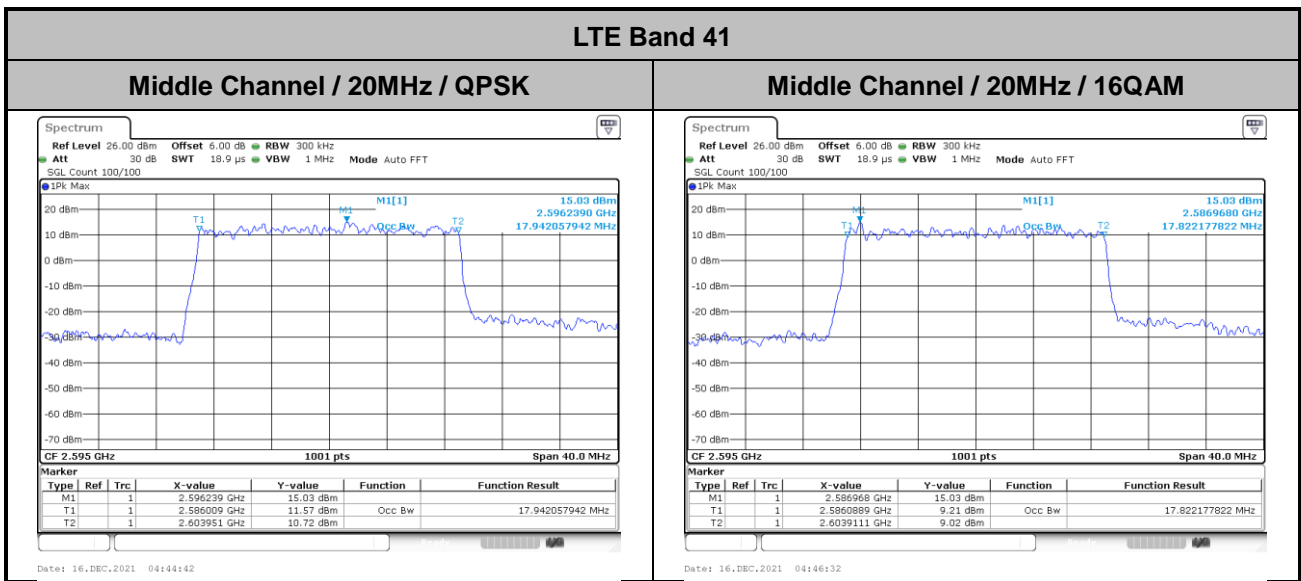
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.90	18.82





Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.82

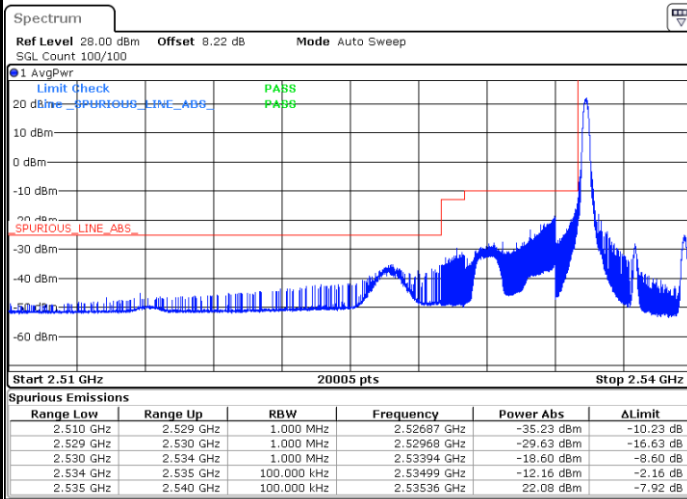




Conducted Band Edge

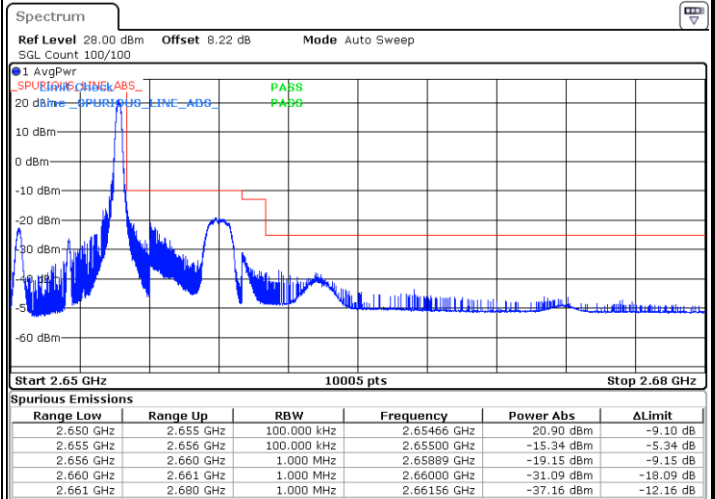
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



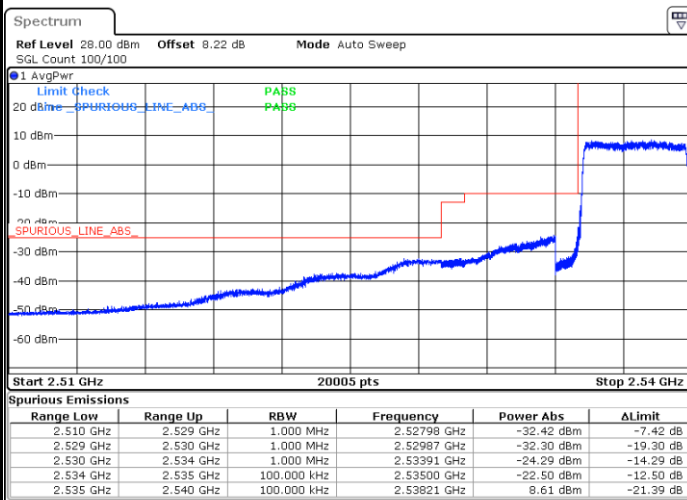
Date: 16.DEC.2021 02:07:14

Highest Band Edge / 1 RB



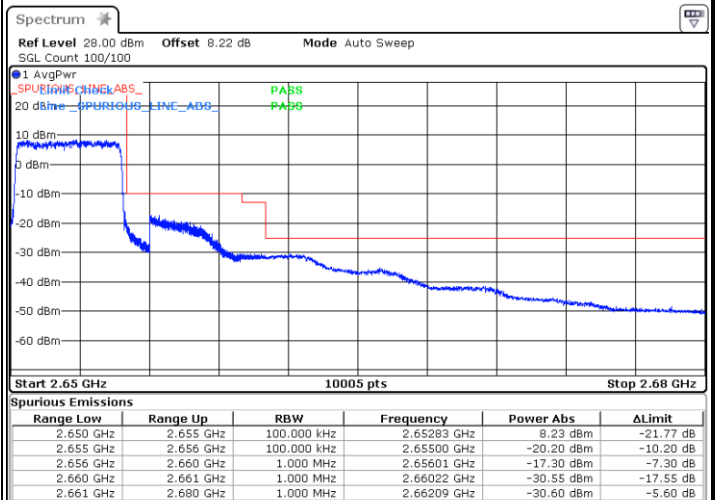
Date: 16.DEC.2021 02:50:37

Lowest Band Edge / Full RB



Date: 16.DEC.2021 02:12:41

Highest Band Edge / Full RB

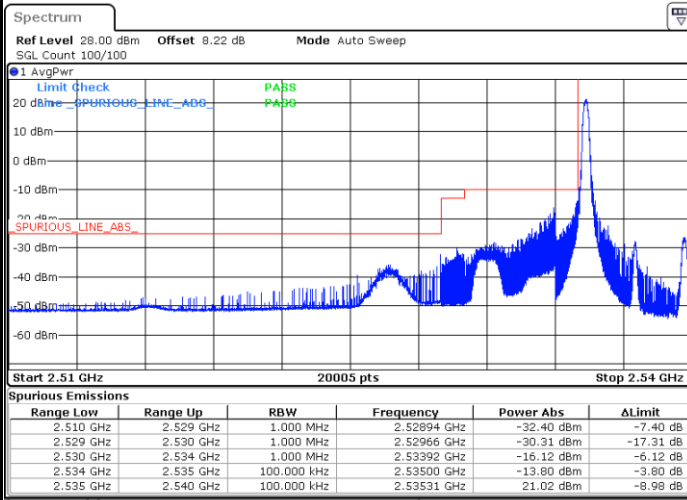


Date: 16.DEC.2021 04:40:53



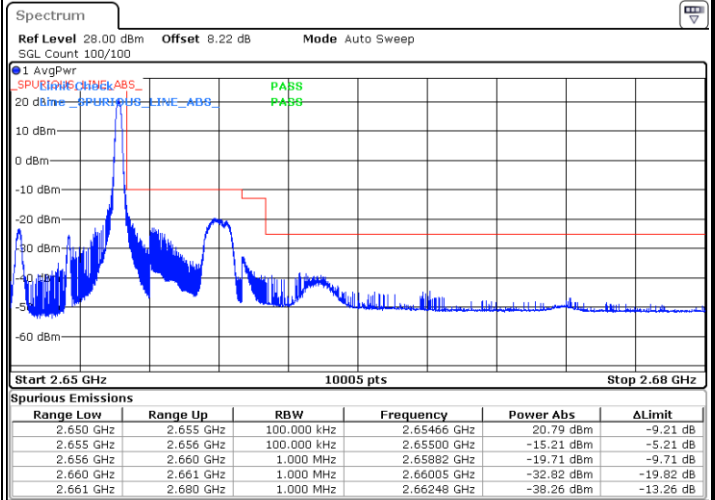
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



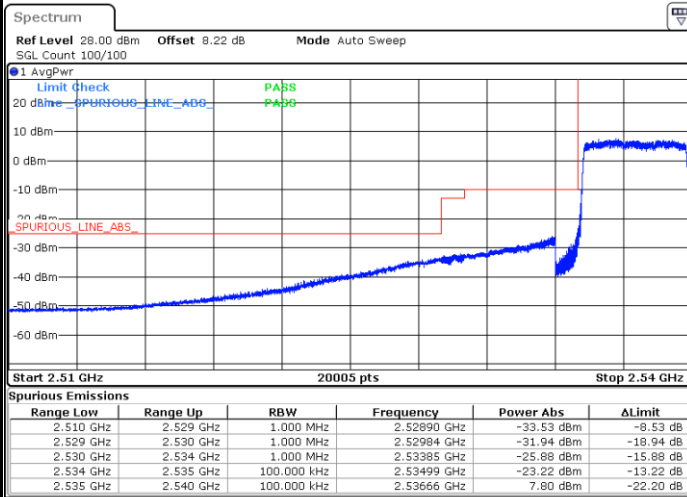
Date: 16.DEC.2021 02:09:03

Highest Band Edge / 1 RB



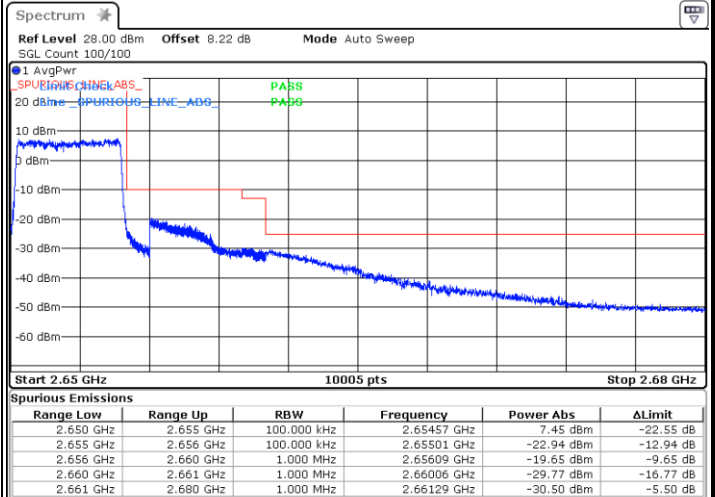
Date: 16.DEC.2021 02:52:24

Lowest Band Edge / Full RB



Date: 16.DEC.2021 02:14:29

Highest Band Edge / Full RB

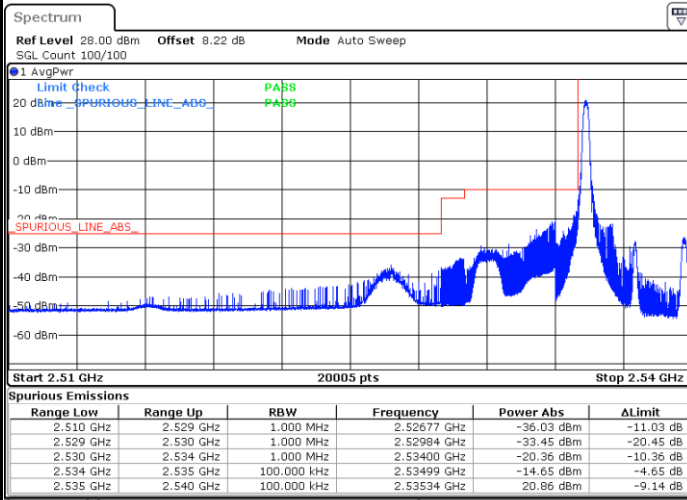


Date: 16.DEC.2021 04:38:12



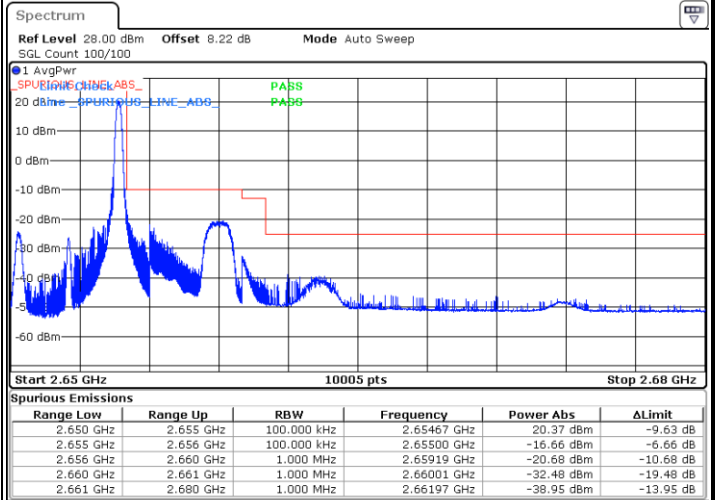
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



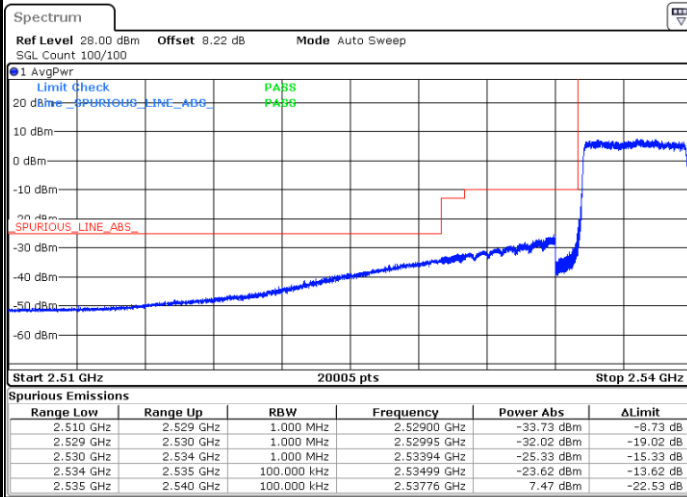
Date: 16.DEC.2021 02:10:52

Highest Band Edge / 1 RB



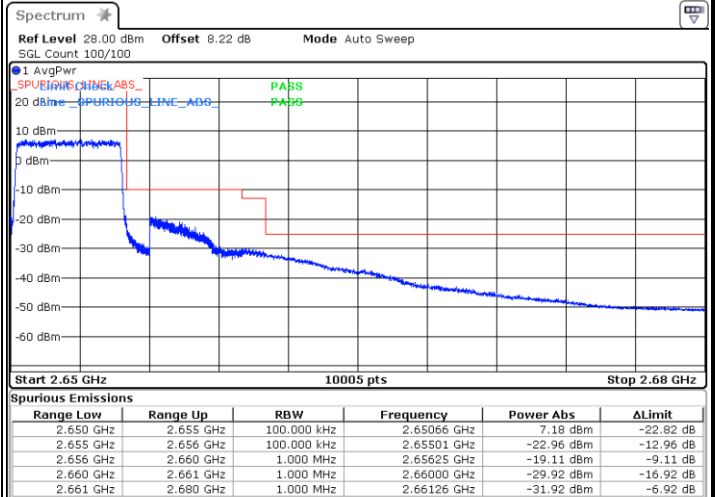
Date: 16.DEC.2021 02:54:10

Lowest Band Edge / Full RB



Date: 16.DEC.2021 02:16:18

Highest Band Edge / Full RB



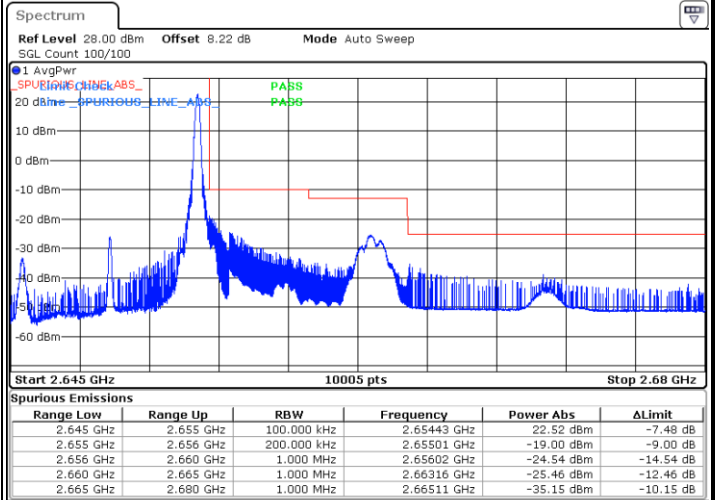
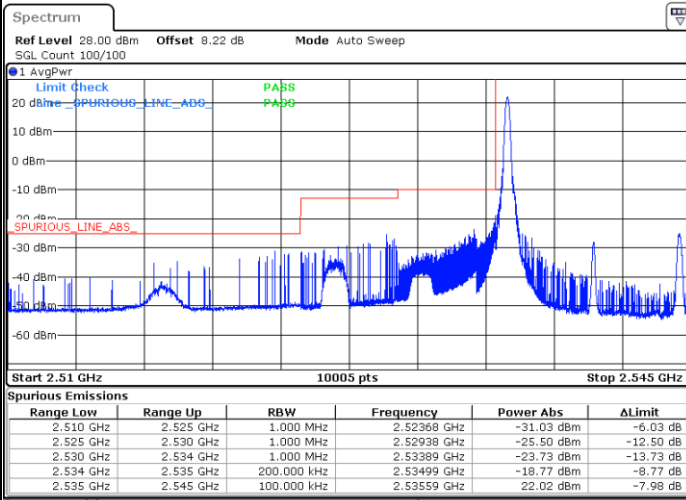
Date: 16.DEC.2021 04:39:38



LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

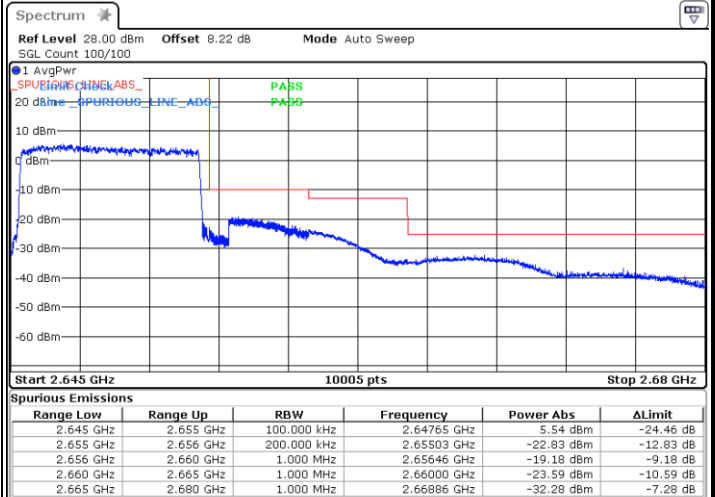
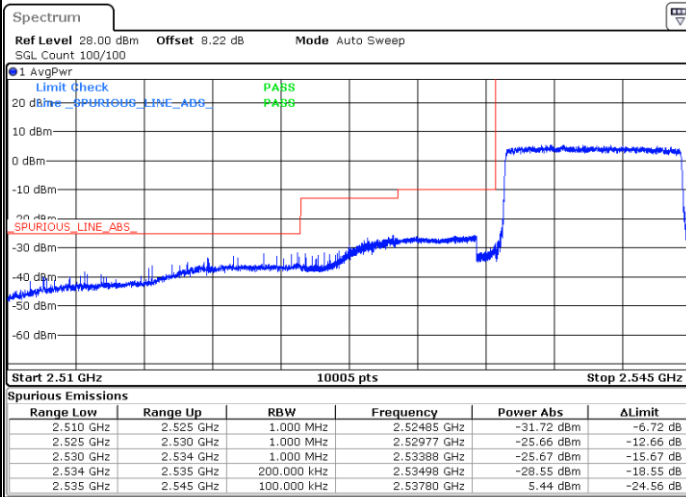


Date: 16.DEC.2021 03:04:21

Date: 16.DEC.2021 03:21:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



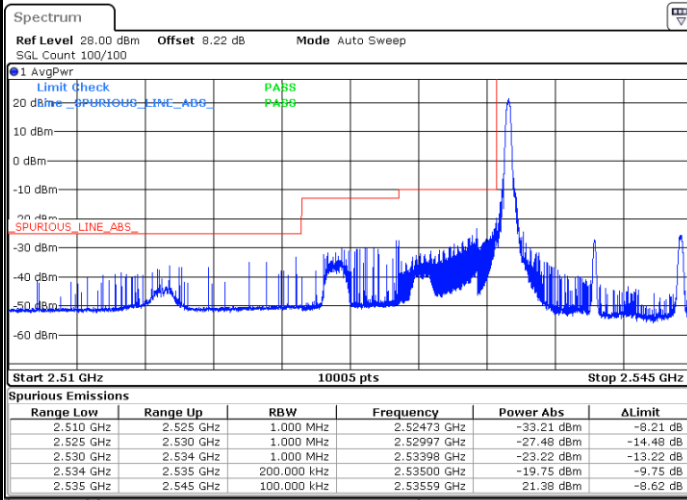
Date: 16.DEC.2021 03:09:50

Date: 16.DEC.2021 04:42:12



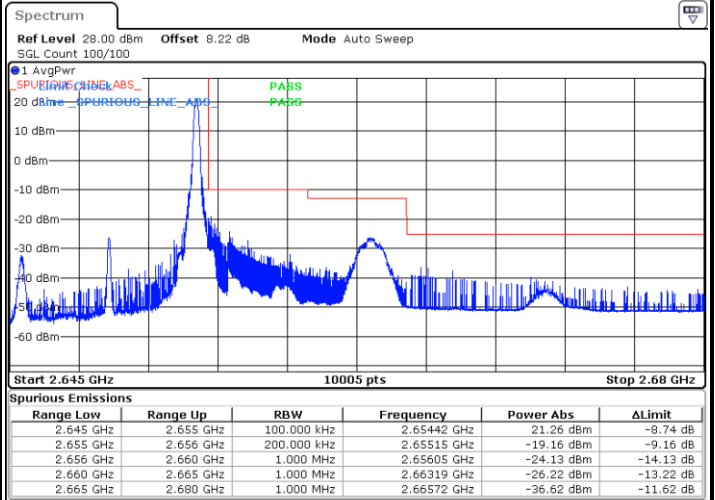
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



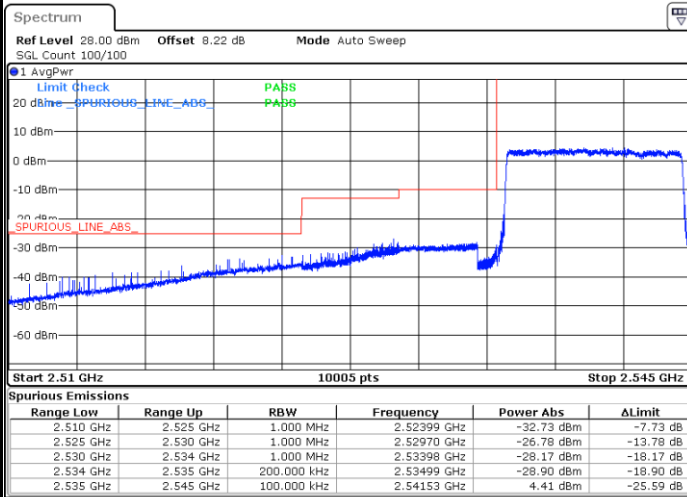
Date: 16.DEC.2021 03:06:11

Highest Band Edge / 1 RB



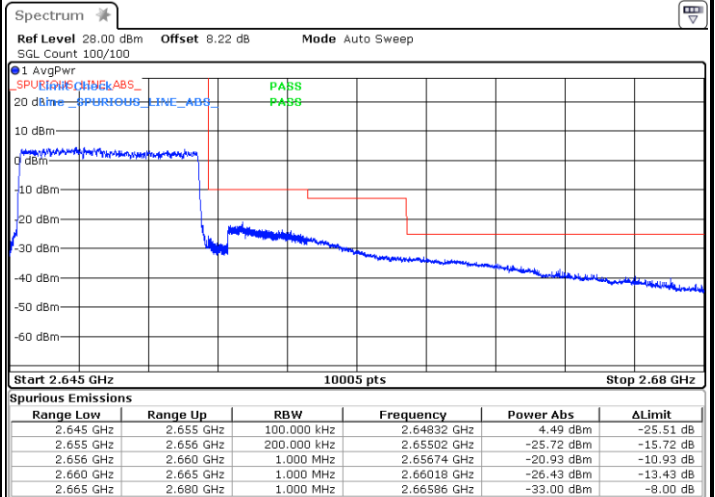
Date: 16.DEC.2021 03:23:04

Lowest Band Edge / Full RB



Date: 16.DEC.2021 03:11:40

Highest Band Edge / Full RB

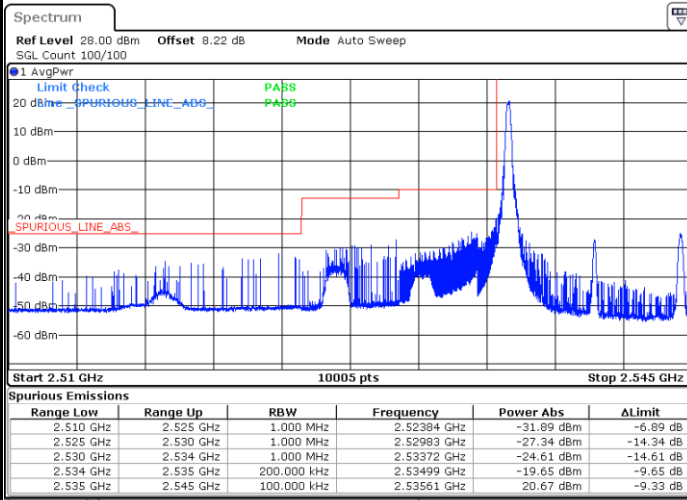


Date: 16.DEC.2021 04:43:36



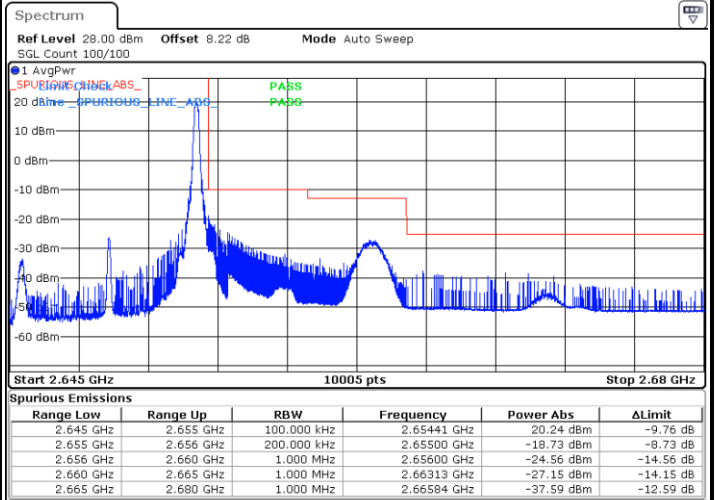
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



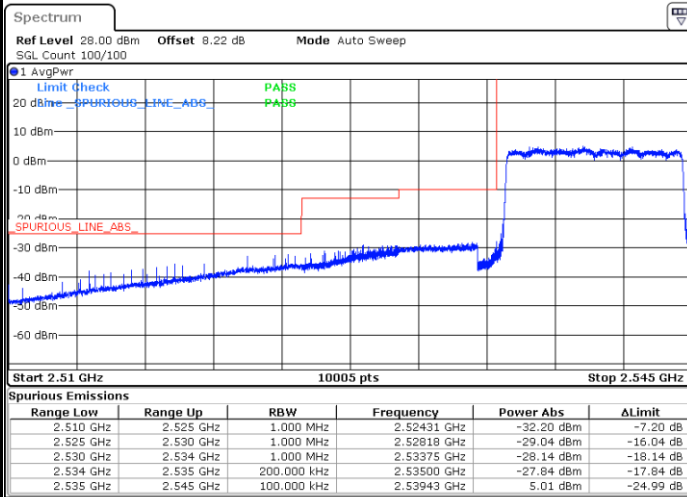
Date: 16.DEC.2021 03:08:01

Highest Band Edge / 1 RB



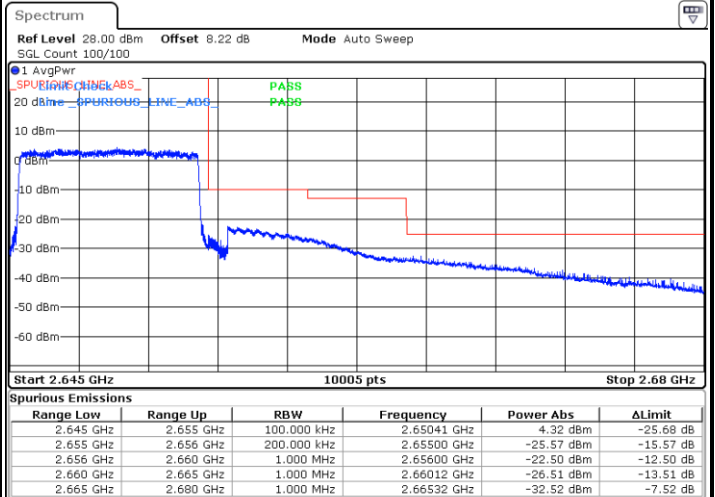
Date: 16.DEC.2021 03:24:50

Lowest Band Edge / Full RB



Date: 16.DEC.2021 03:13:30

Highest Band Edge / Full RB

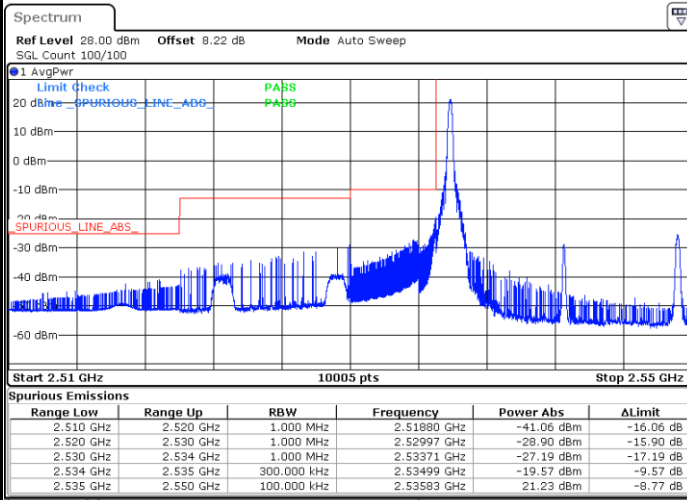


Date: 16.DEC.2021 03:30:10



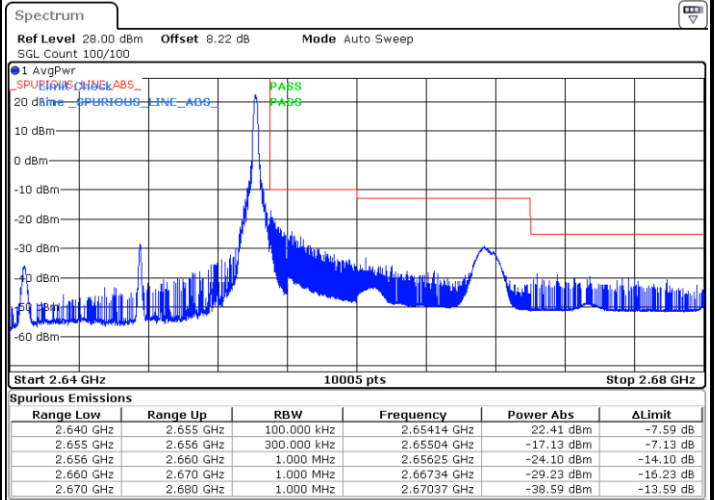
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



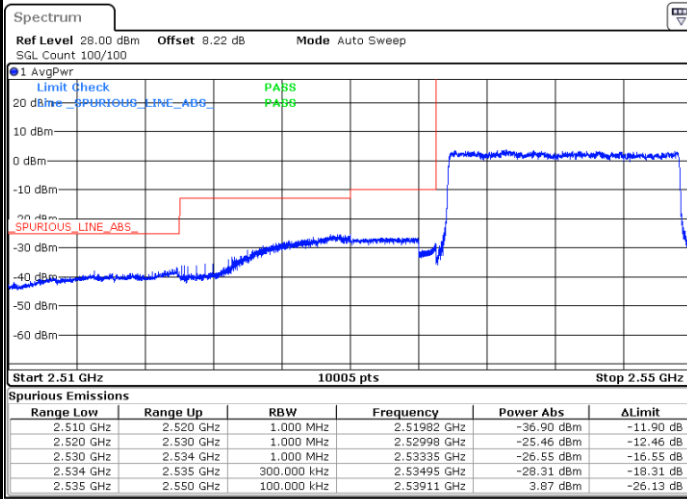
Date: 16.DEC.2021 03:35:01

Highest Band Edge / 1 RB



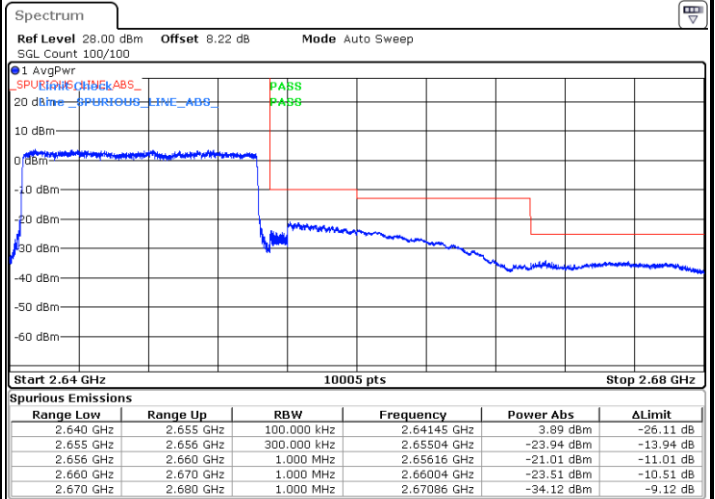
Date: 16.DEC.2021 03:51:59

Lowest Band Edge / Full RB



Date: 16.DEC.2021 03:40:29

Highest Band Edge / Full RB

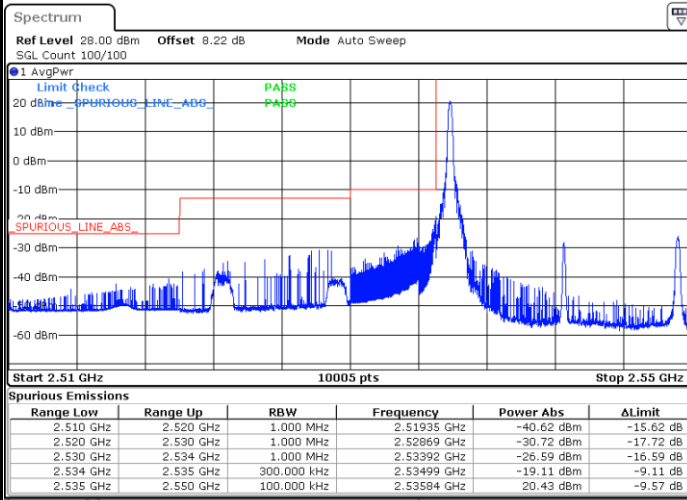


Date: 16.DEC.2021 03:57:32



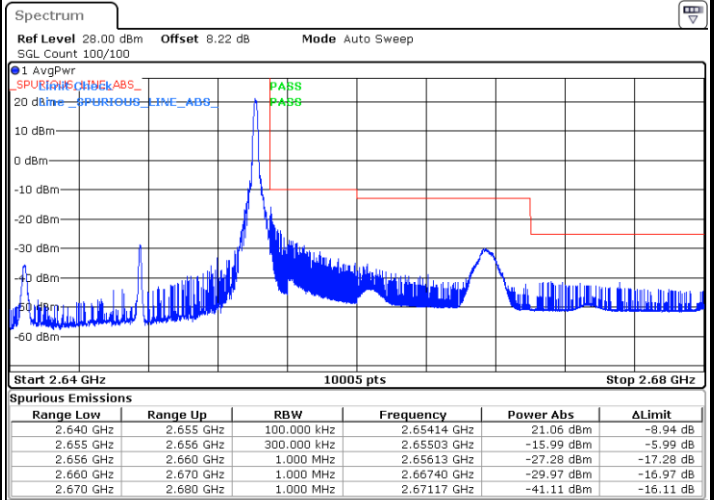
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



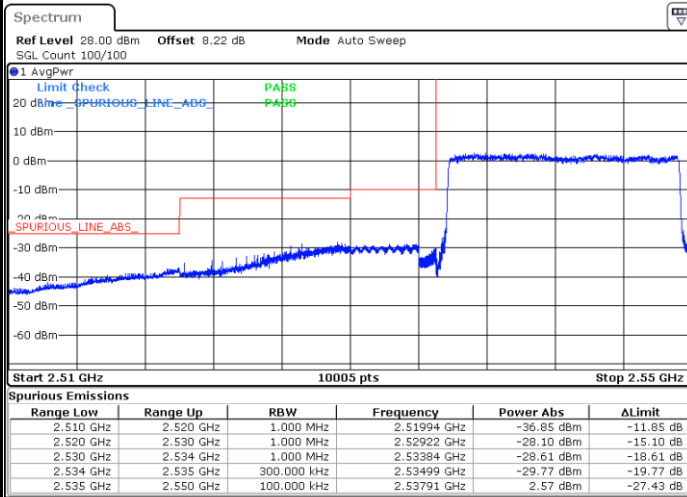
Date: 16.DEC.2021 03:36:50

Highest Band Edge / 1 RB



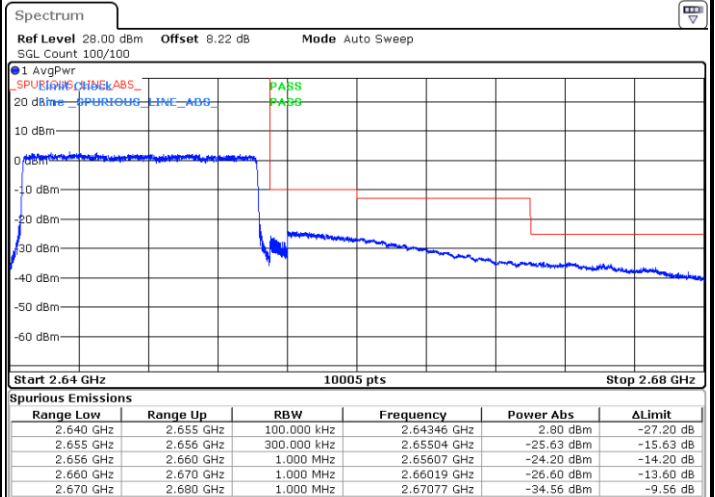
Date: 16.DEC.2021 03:53:50

Lowest Band Edge / Full RB



Date: 16.DEC.2021 03:42:18

Highest Band Edge / Full RB

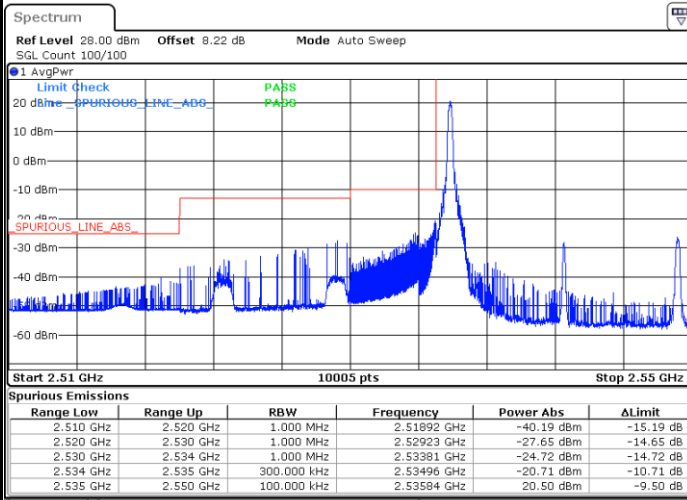


Date: 16.DEC.2021 03:59:23



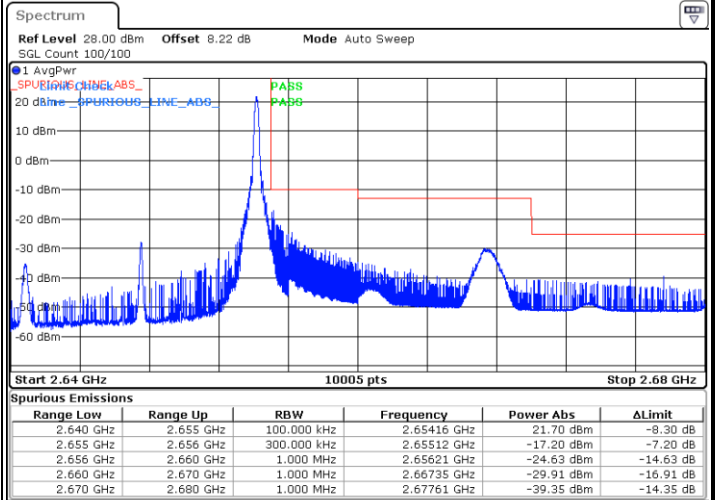
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



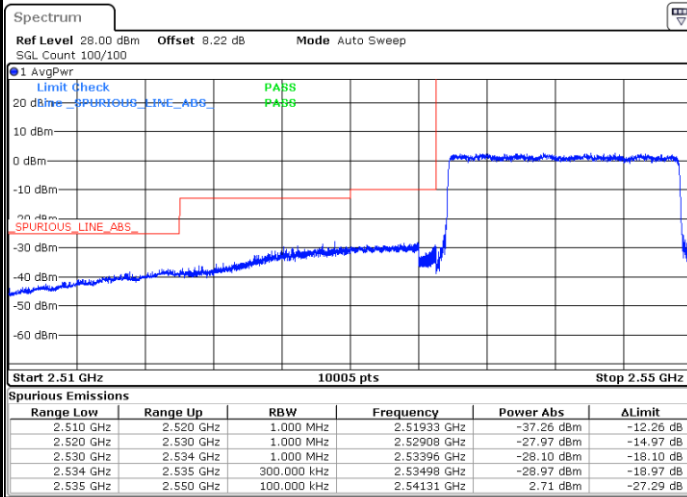
Date: 16.DEC.2021 03:38:39

Highest Band Edge / 1 RB



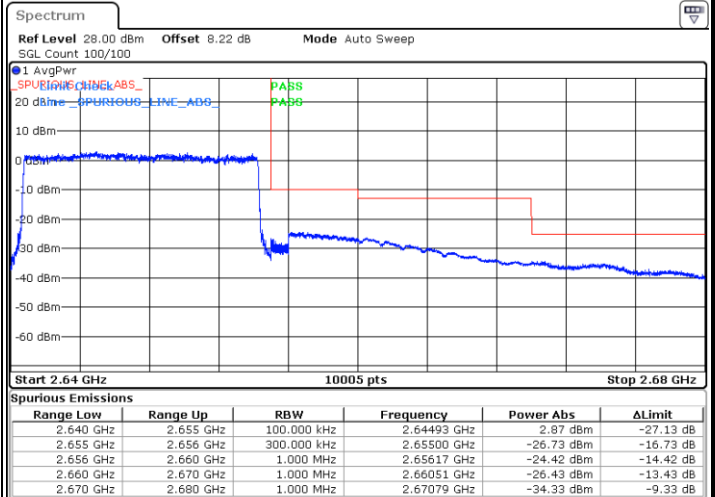
Date: 16.DEC.2021 03:55:41

Lowest Band Edge / Full RB



Date: 16.DEC.2021 03:44:07

Highest Band Edge / Full RB

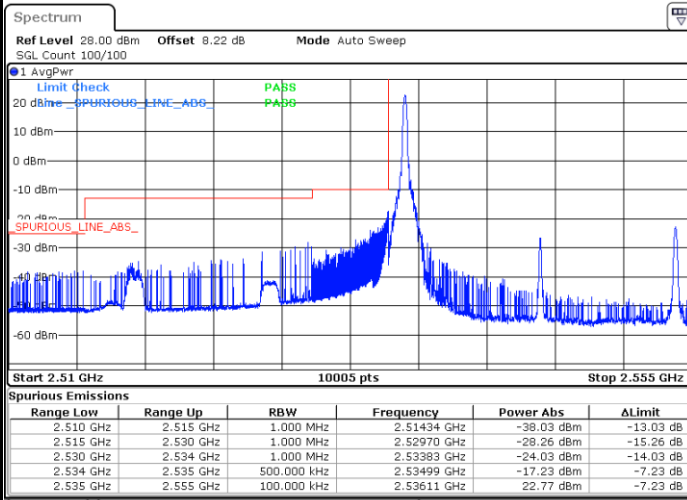


Date: 16.DEC.2021 04:01:18



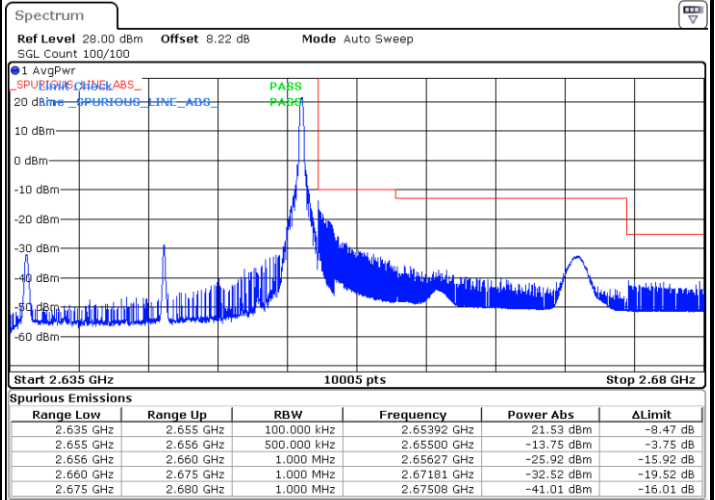
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



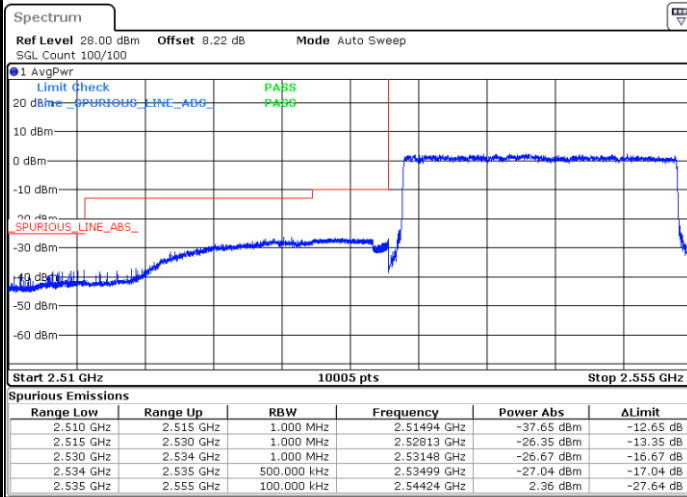
Date: 16.DEC.2021 04:06:11

Highest Band Edge / 1 RB



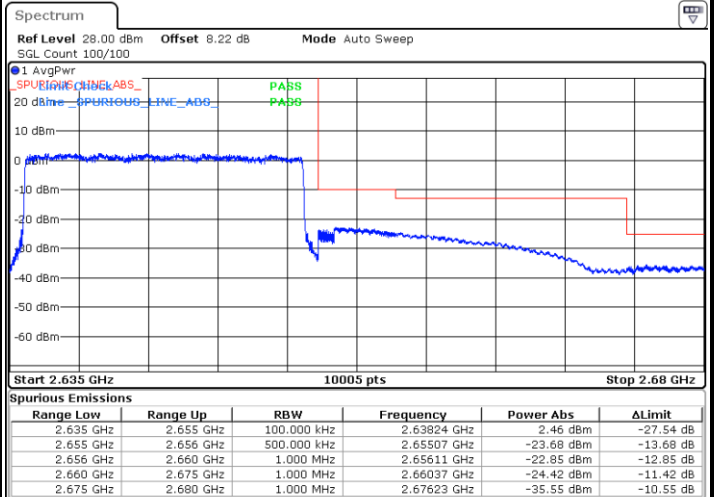
Date: 16.DEC.2021 04:23:21

Lowest Band Edge / Full RB



Date: 16.DEC.2021 04:11:47

Highest Band Edge / Full RB

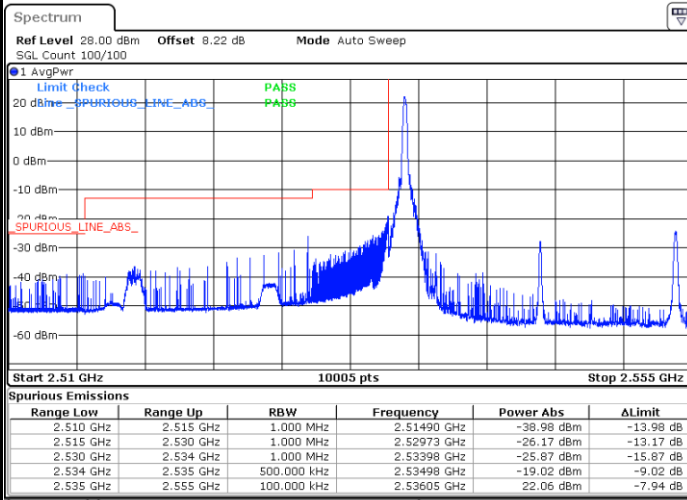


Date: 16.DEC.2021 04:32:40



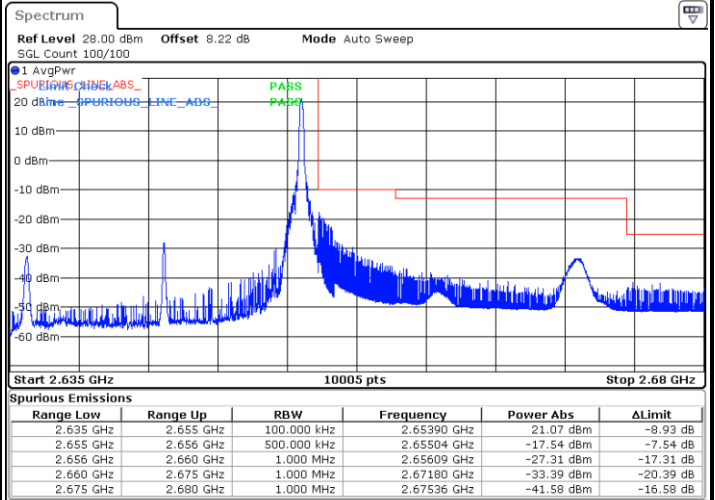
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



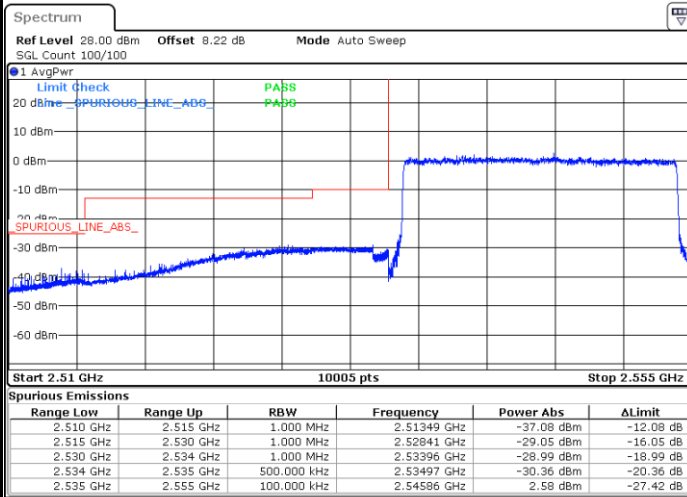
Date: 16.DEC.2021 04:08:02

Highest Band Edge / 1 RB



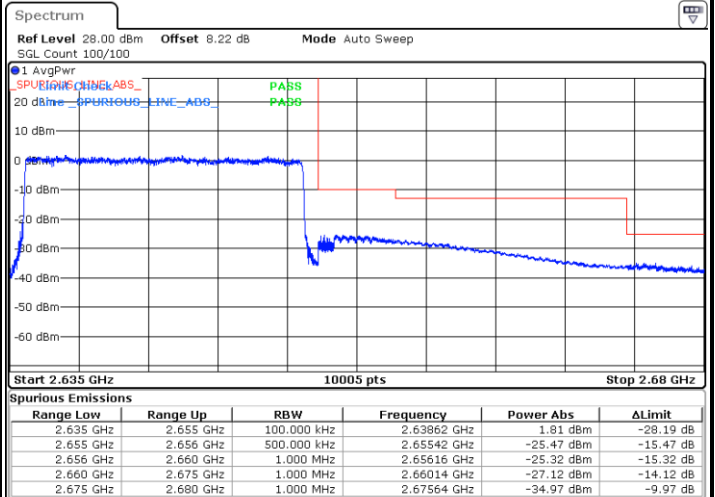
Date: 16.DEC.2021 04:25:13

Lowest Band Edge / Full RB



Date: 16.DEC.2021 04:13:38

Highest Band Edge / Full RB



Date: 16.DEC.2021 04:30:49