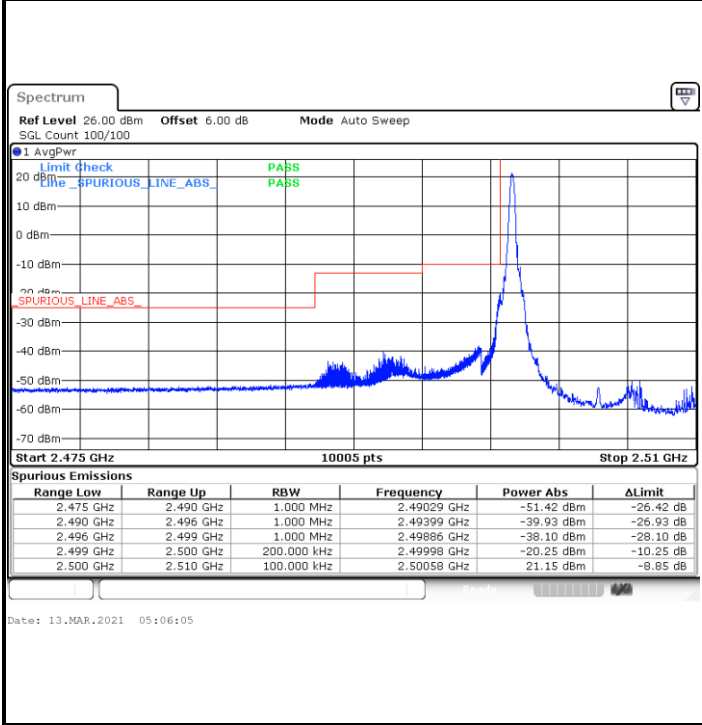


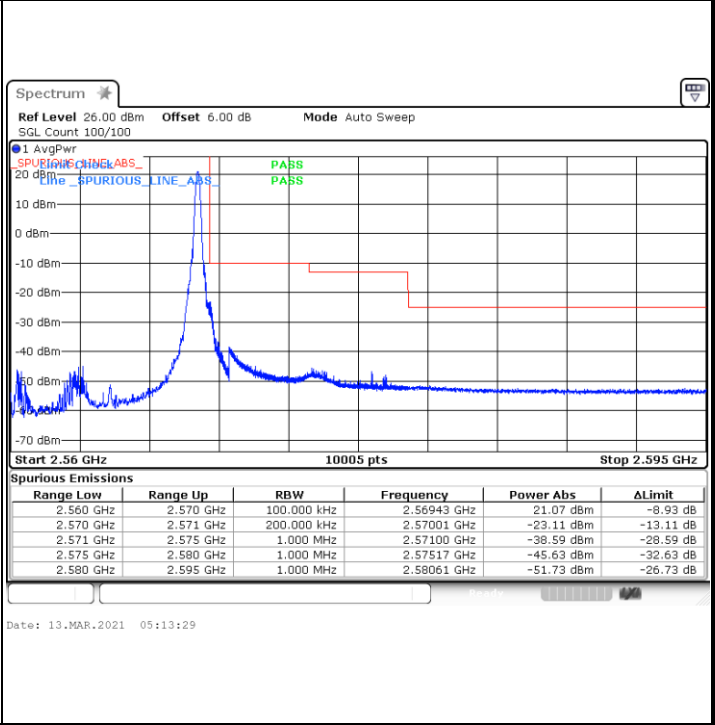


LTE Band 7 / 10MHz / 64QAM

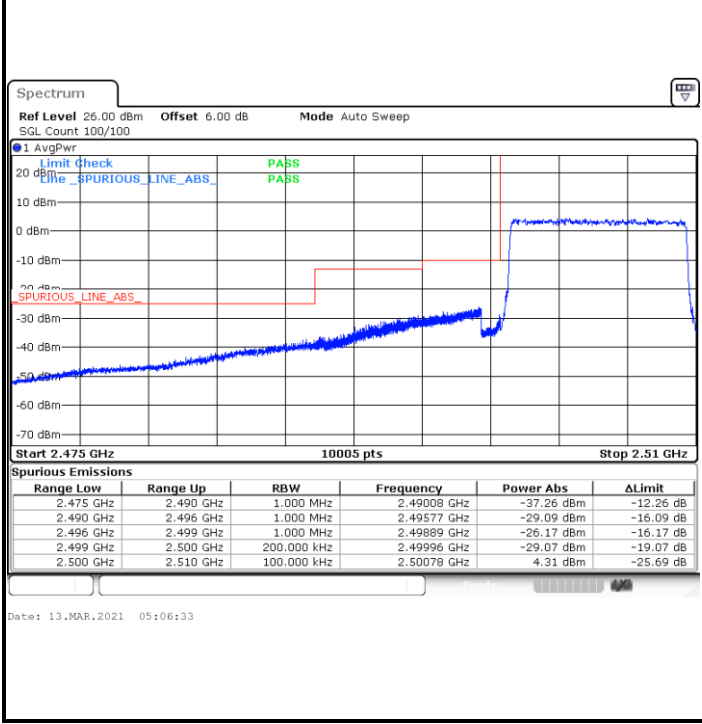
Lowest Band Edge / 1 RB



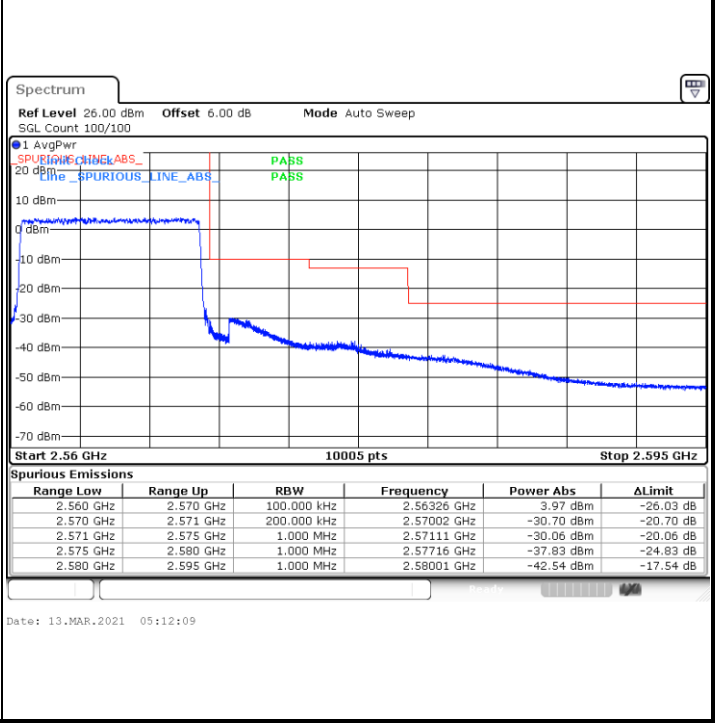
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



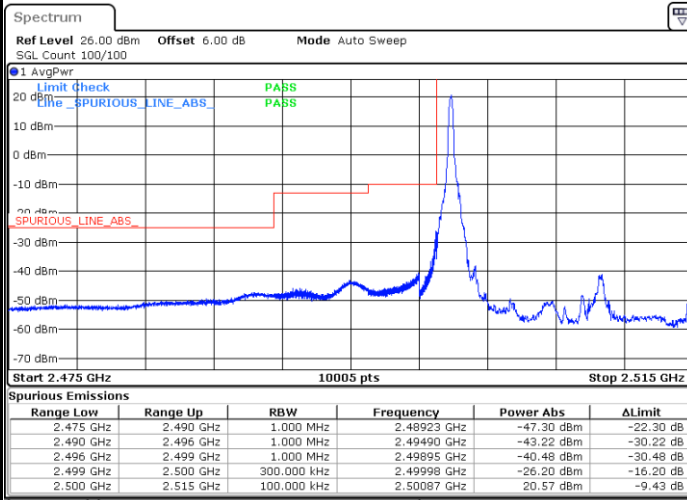
Highest Band Edge / Full RB





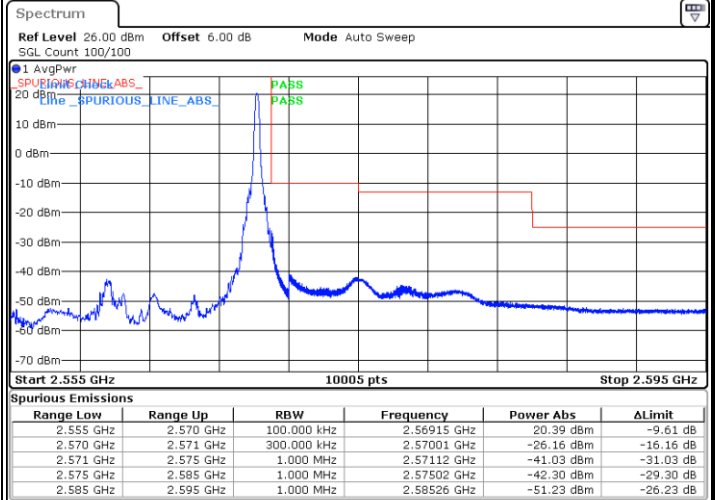
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



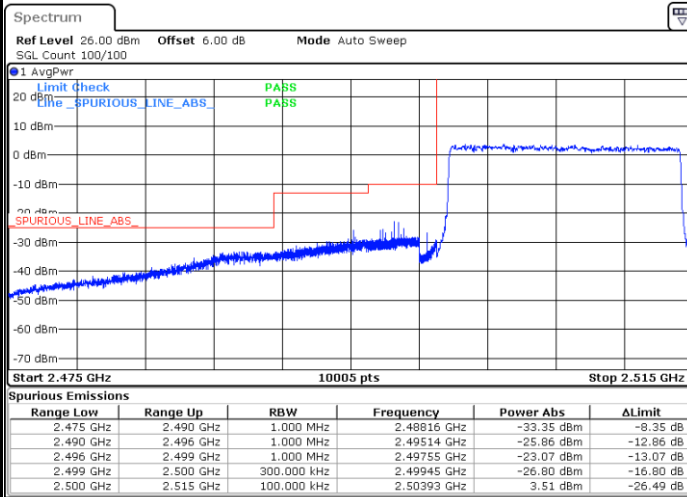
Date: 13.MAR.2021 04:48:27

Highest Band Edge / 1 RB



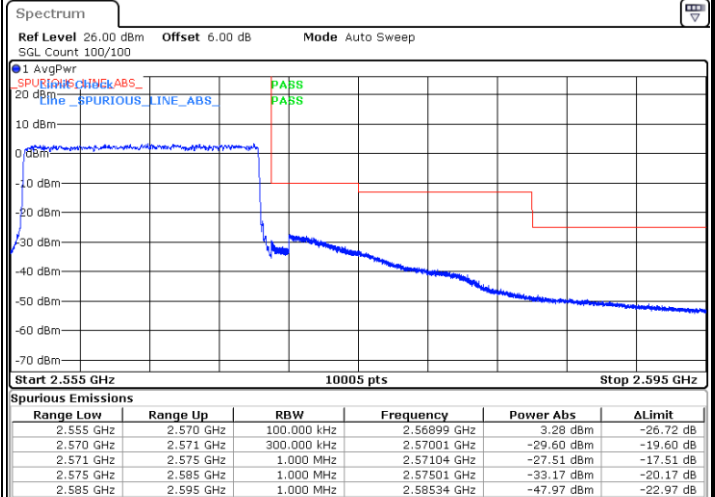
Date: 13.MAR.2021 04:53:00

Lowest Band Edge / Full RB



Date: 13.MAR.2021 04:50:20

Highest Band Edge / Full RB

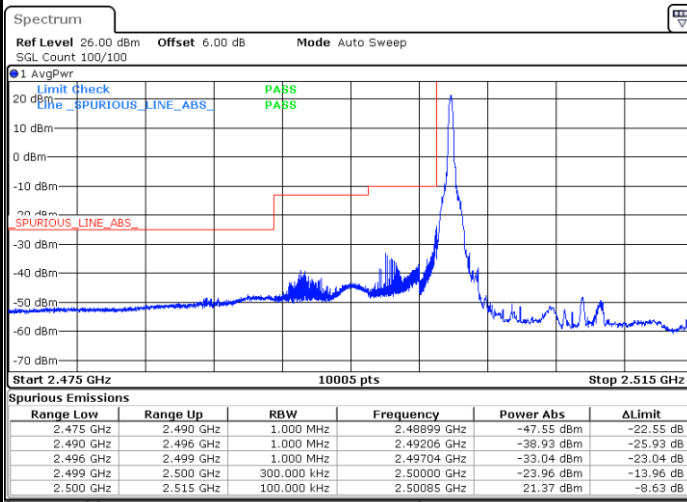


Date: 13.MAR.2021 04:50:38



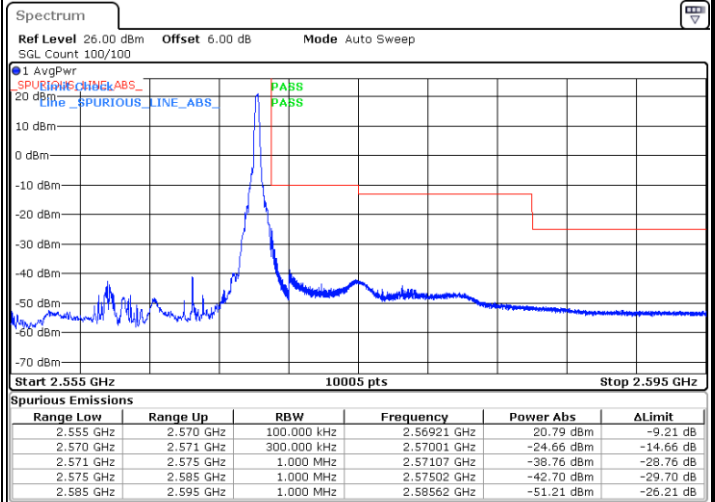
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



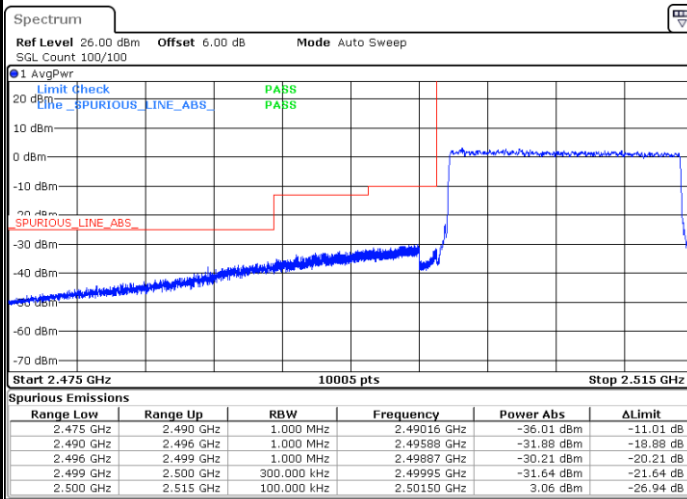
Date: 13.MAR.2021 04:48:42

Highest Band Edge / 1 RB



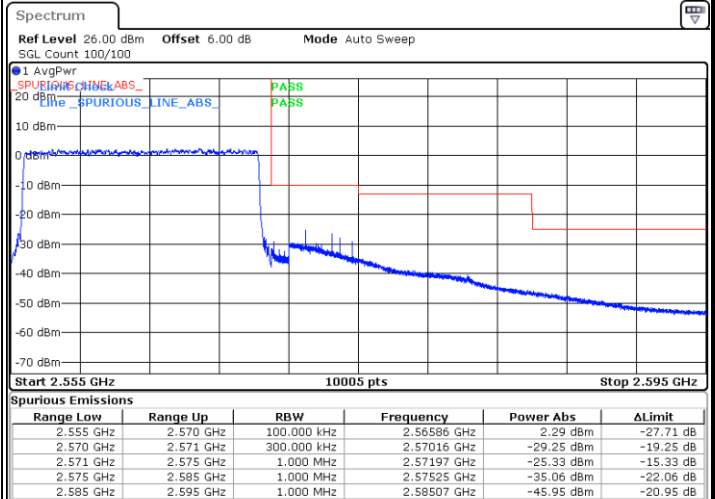
Date: 13.MAR.2021 04:52:19

Lowest Band Edge / Full RB



Date: 13.MAR.2021 04:50:04

Highest Band Edge / Full RB

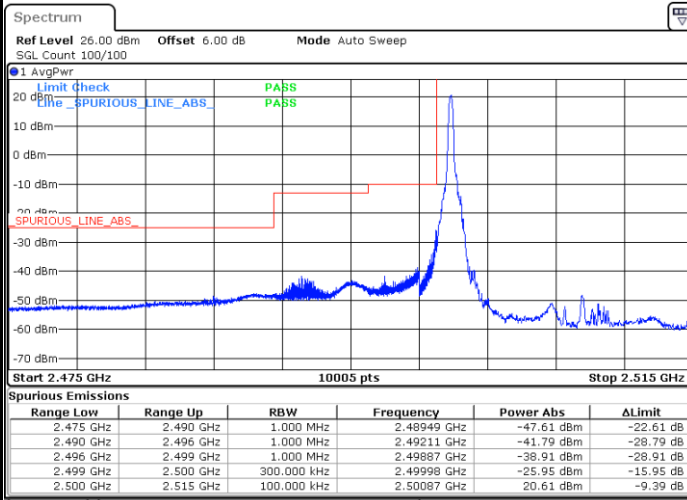


Date: 13.MAR.2021 04:50:53



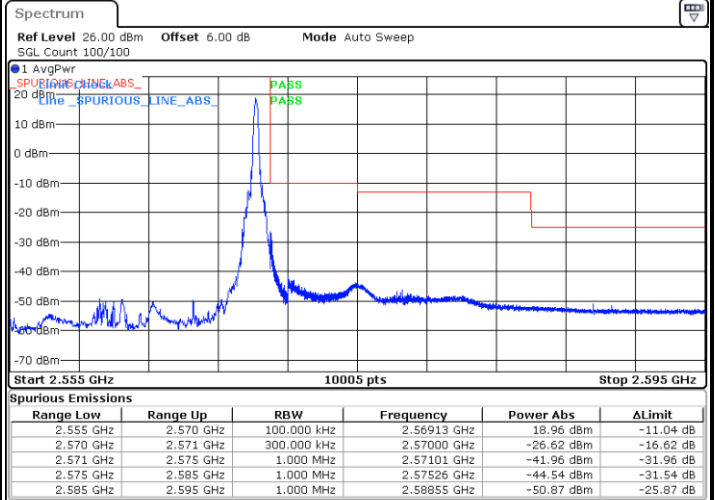
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



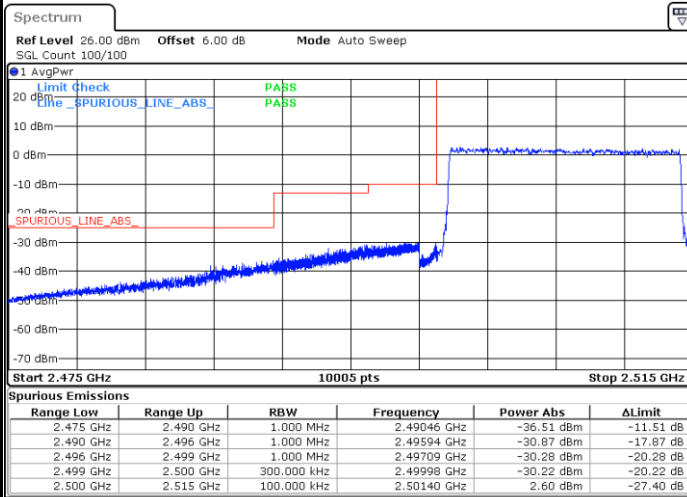
Date: 13.MAR.2021 04:49:16

Highest Band Edge / 1 RB



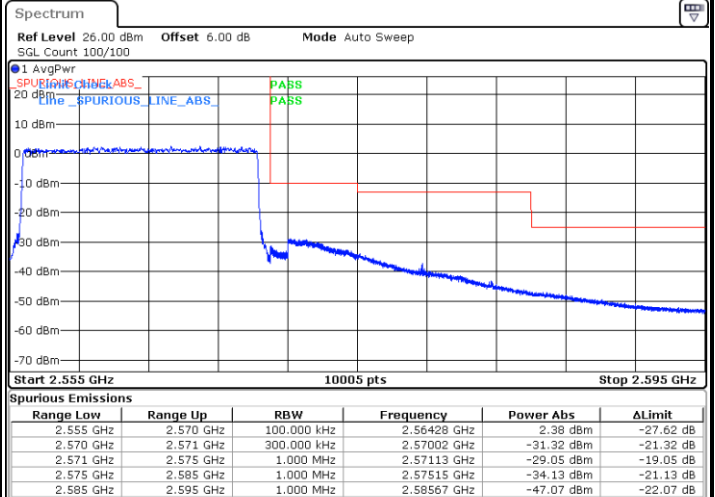
Date: 13.MAR.2021 04:51:59

Lowest Band Edge / Full RB



Date: 13.MAR.2021 04:49:19

Highest Band Edge / Full RB

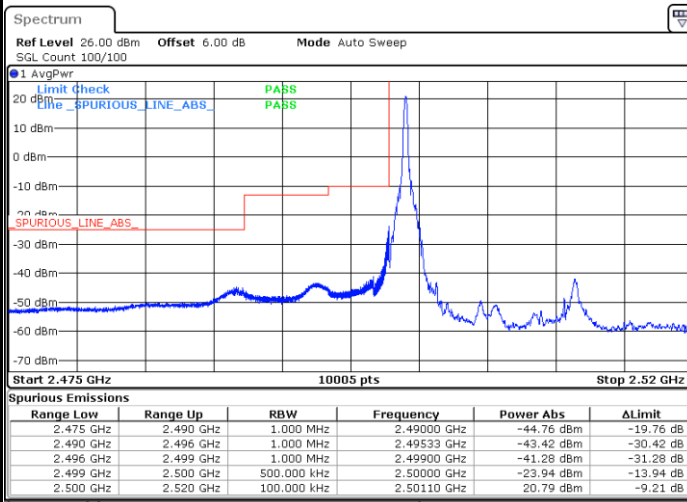


Date: 13.MAR.2021 04:51:15



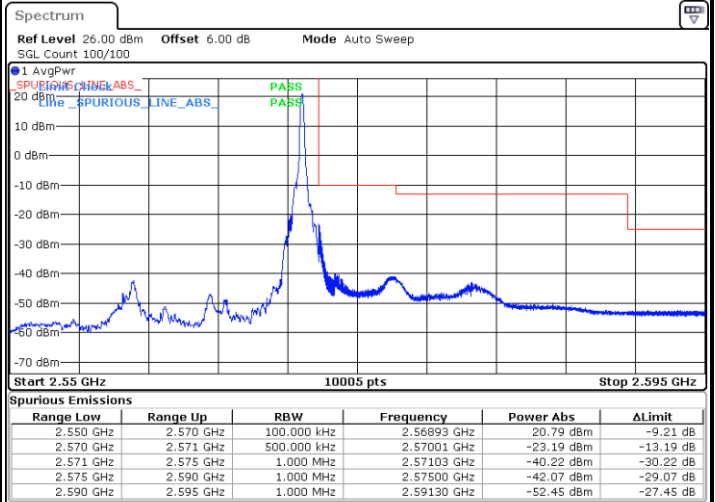
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



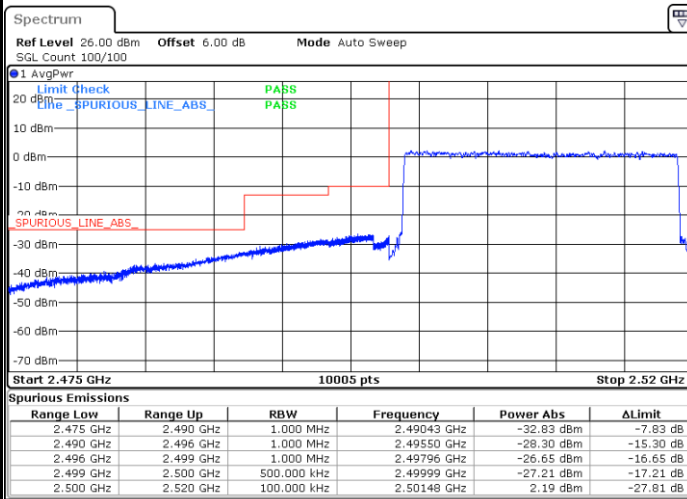
Date: 13.MAR.2021 04:32:32

Highest Band Edge / 1 RB



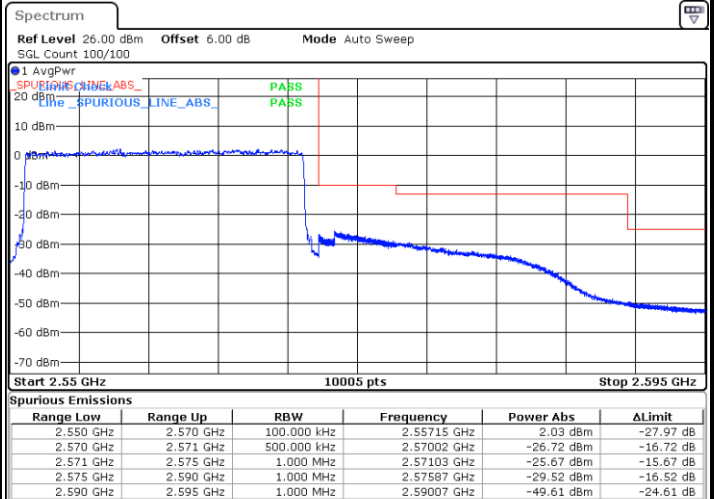
Date: 13.MAR.2021 04:40:35

Lowest Band Edge / Full RB



Date: 13.MAR.2021 04:34:29

Highest Band Edge / Full RB



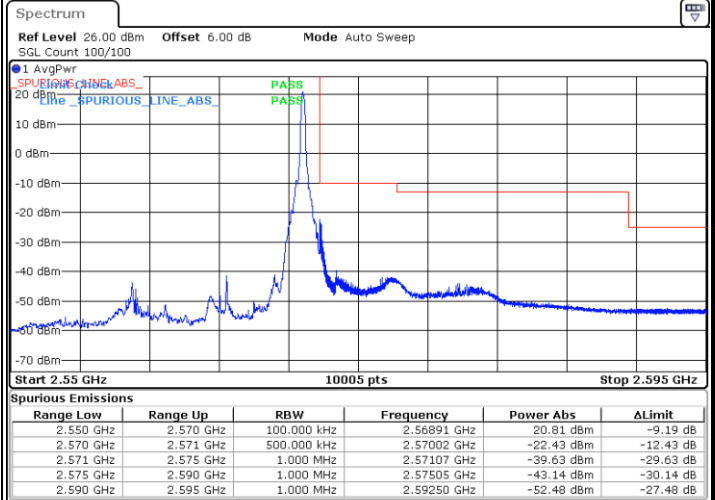
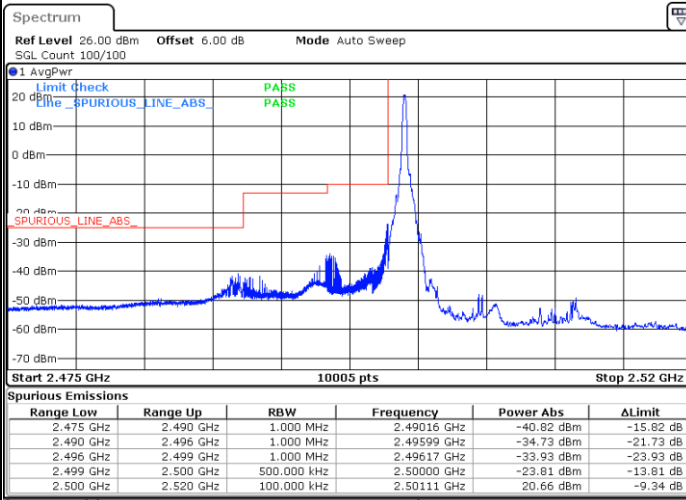
Date: 13.MAR.2021 04:35:12



LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

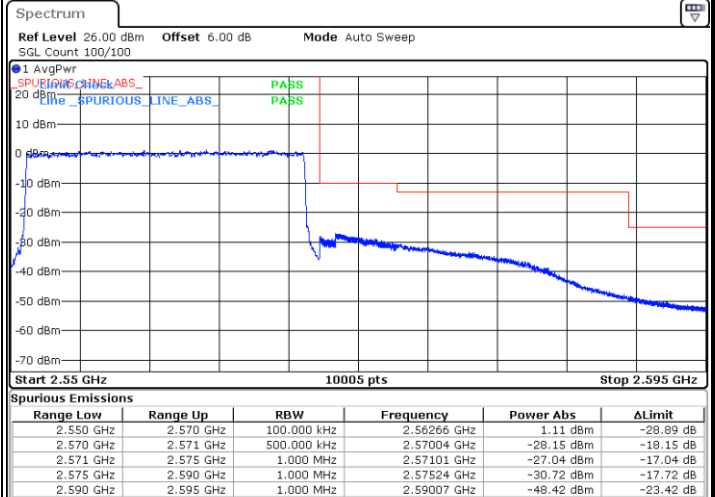
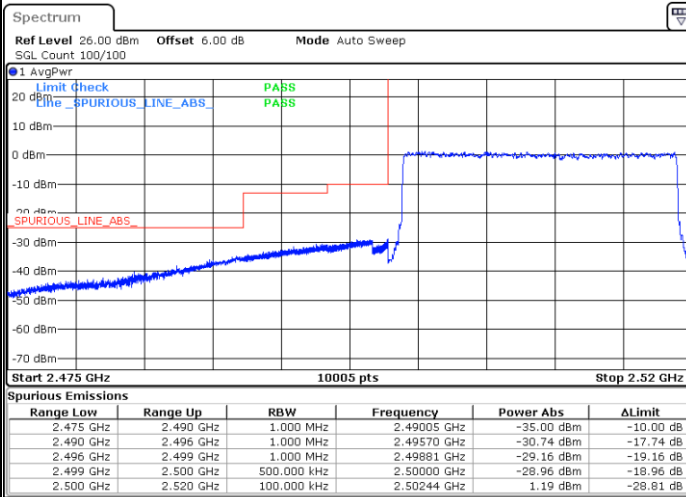


Date: 13.MAR.2021 04:32:57

Date: 13.MAR.2021 04:39:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



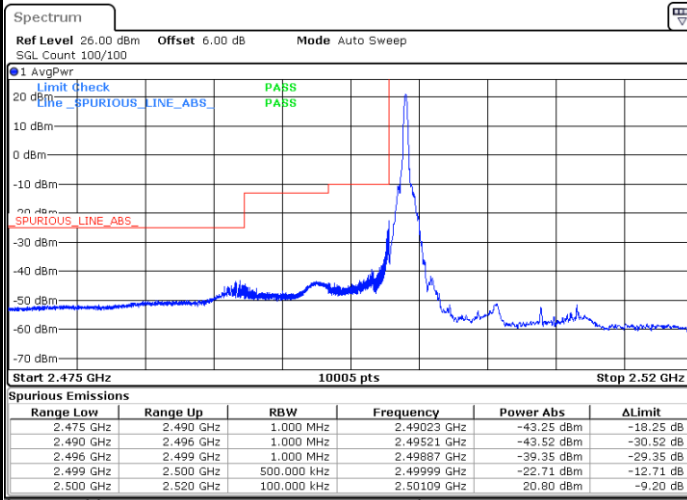
Date: 13.MAR.2021 04:34:10

Date: 13.MAR.2021 04:36:14



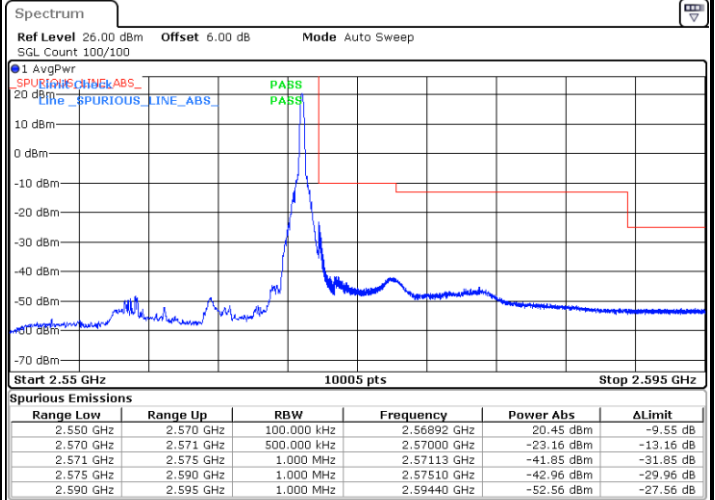
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



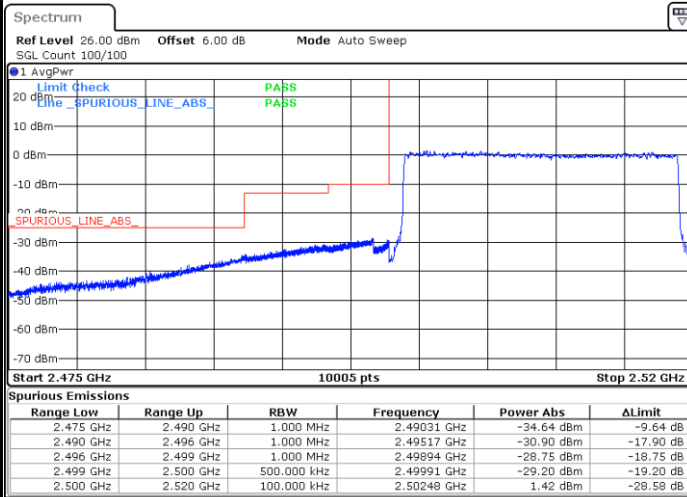
Date: 13.MAR.2021 04:33:18

Highest Band Edge / 1 RB



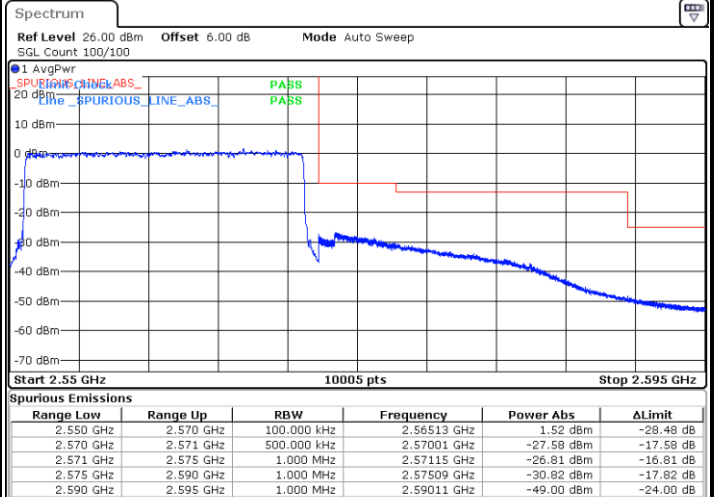
Date: 13.MAR.2021 04:38:39

Lowest Band Edge / Full RB



Date: 13.MAR.2021 04:33:38

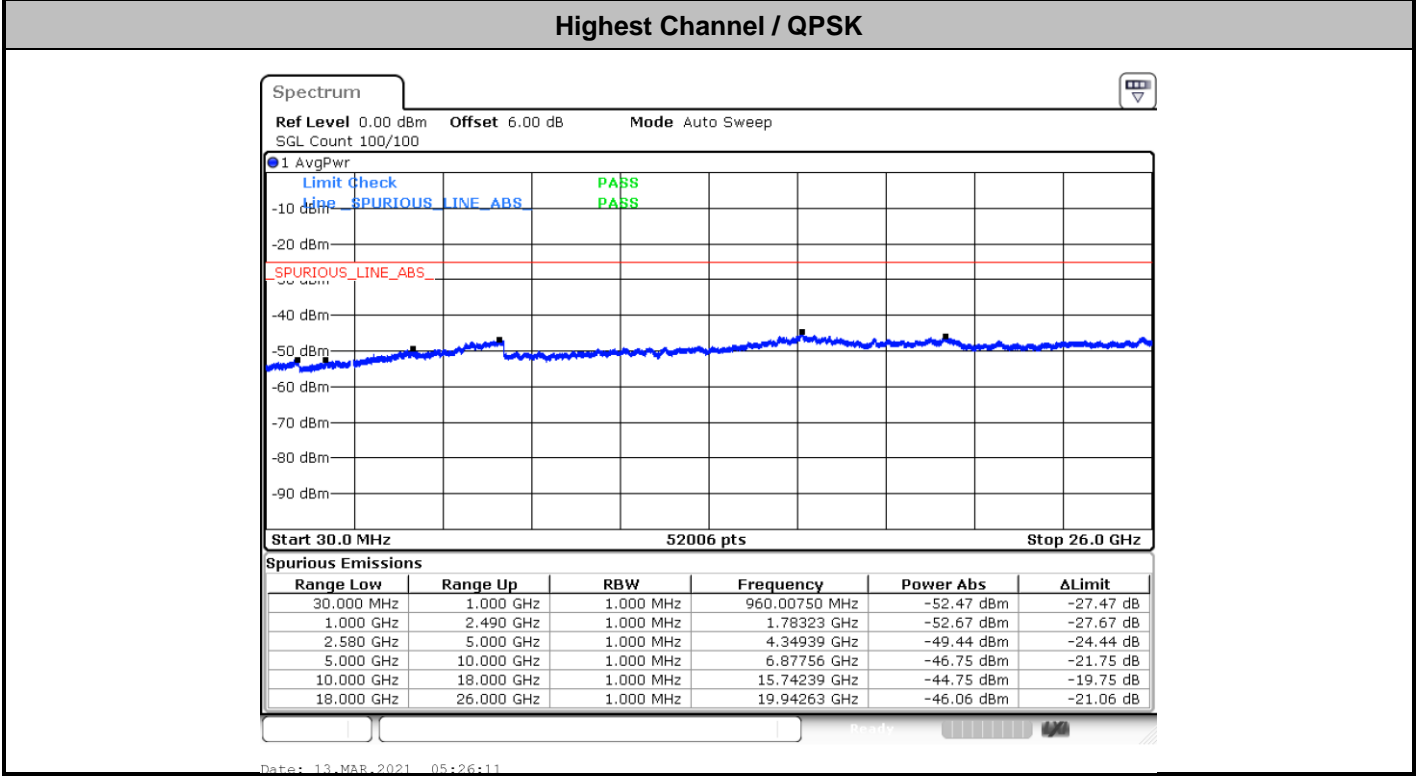
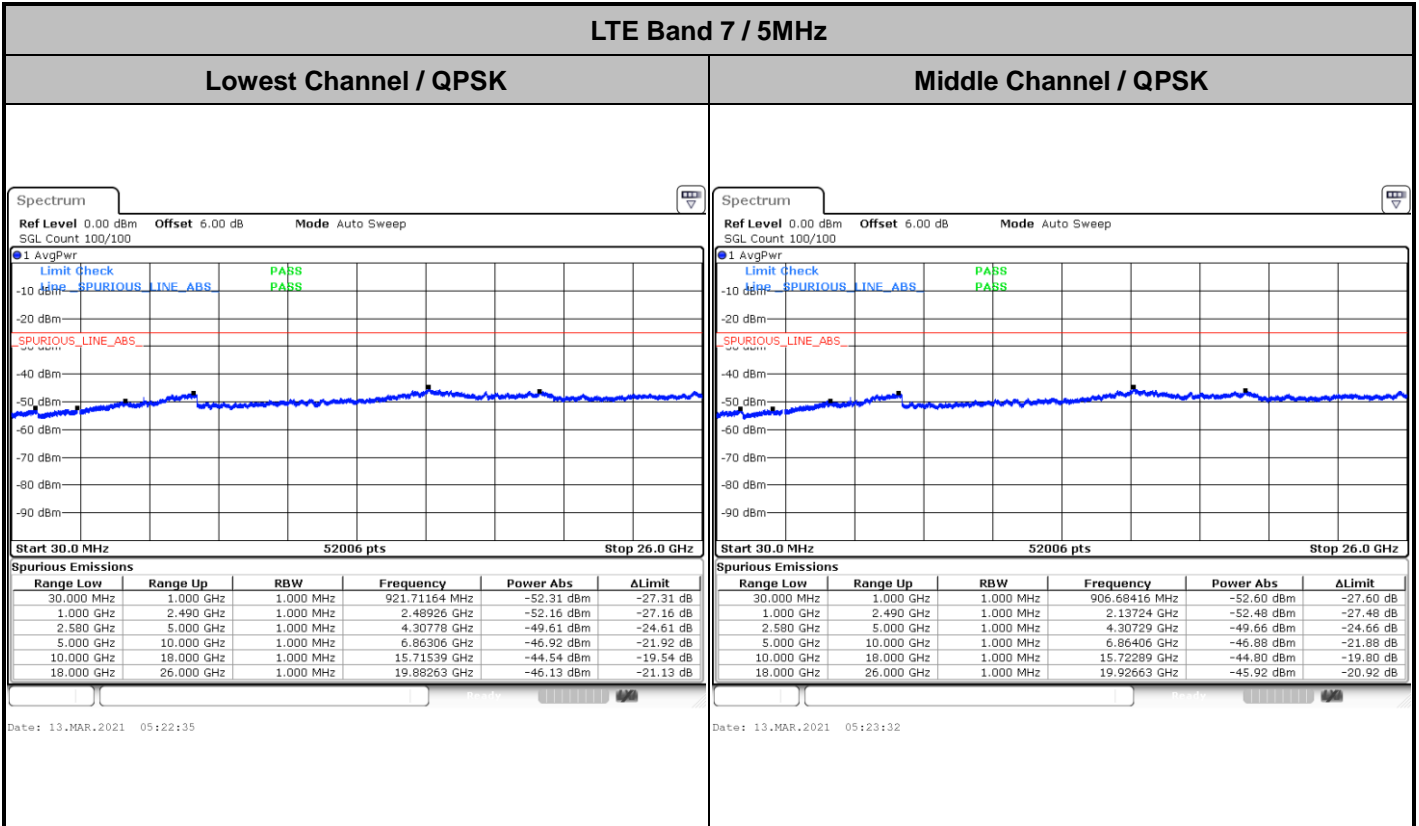
Highest Band Edge / Full RB



Date: 13.MAR.2021 04:36:33



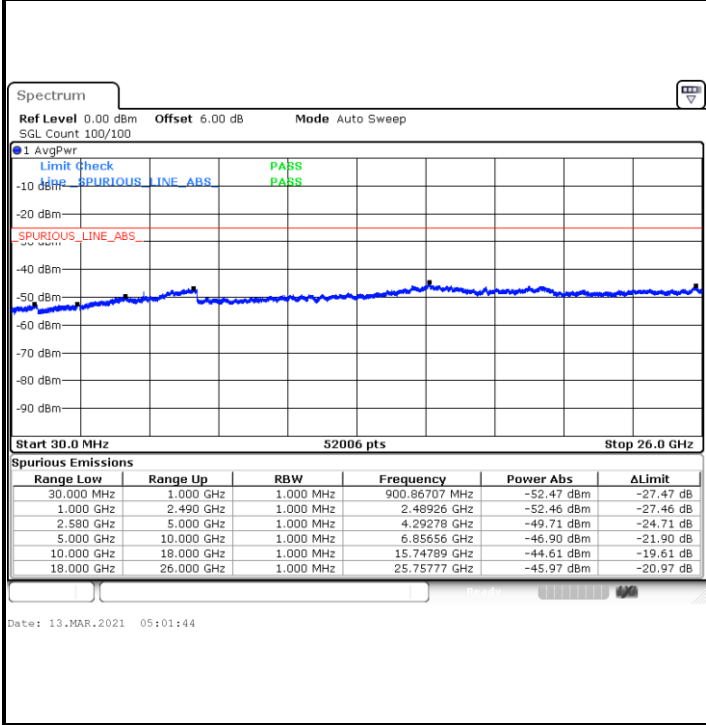
Conducted Spurious Emission



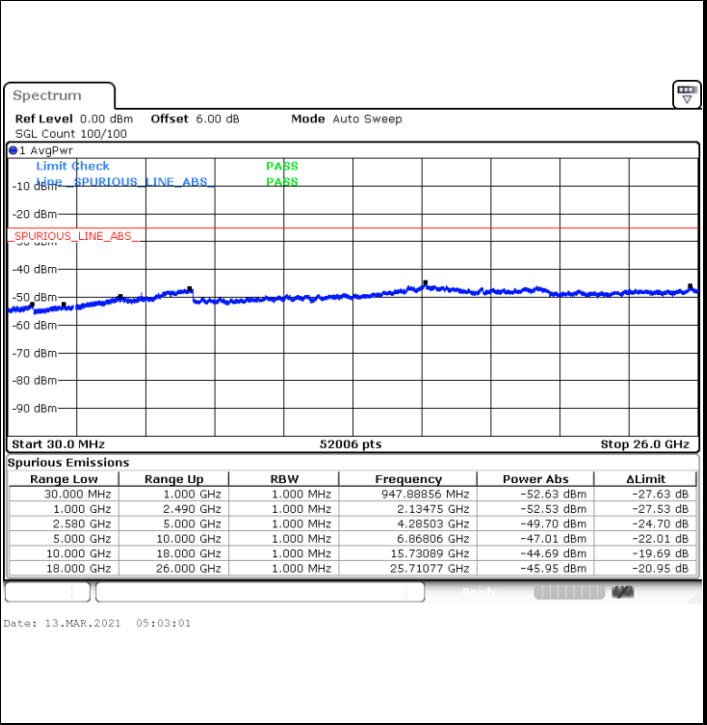


LTE Band 7 / 10MHz

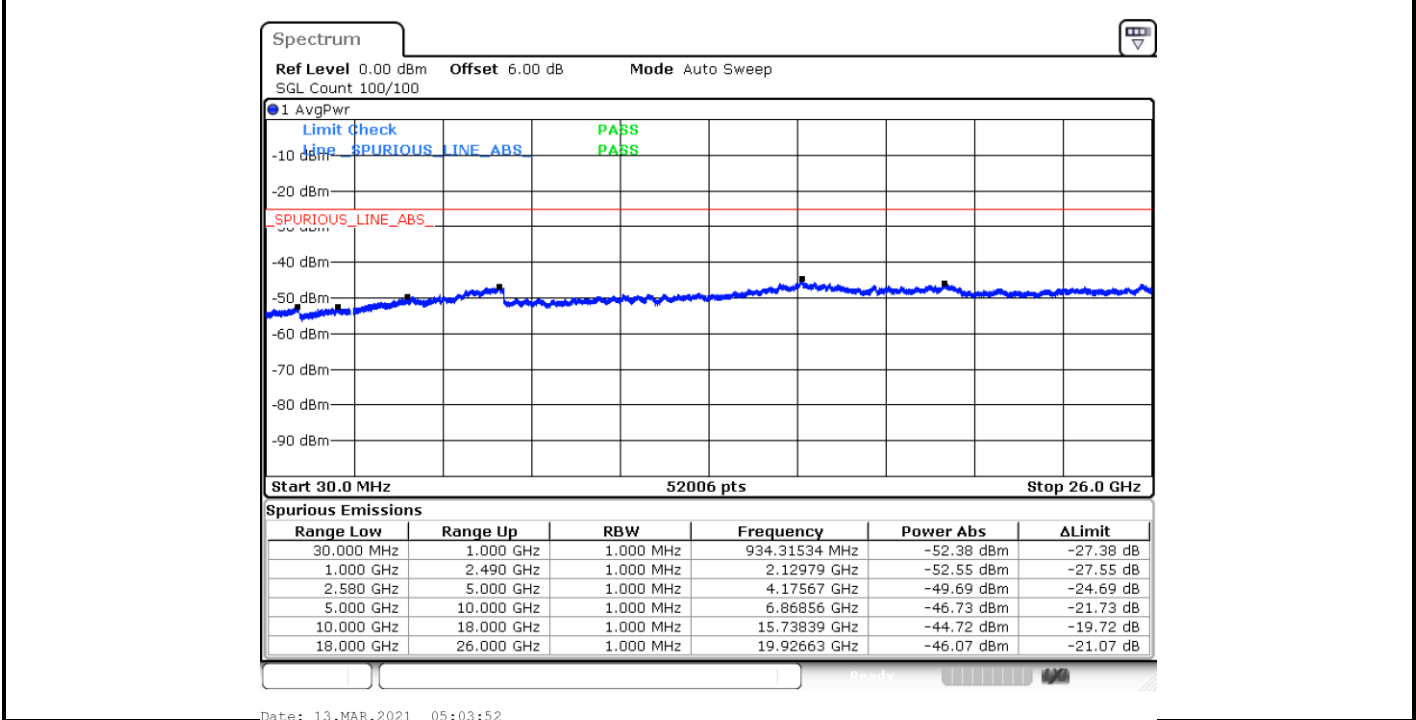
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

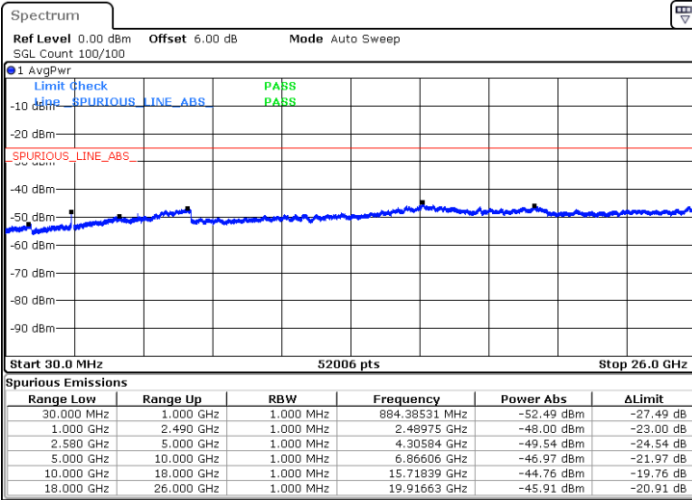




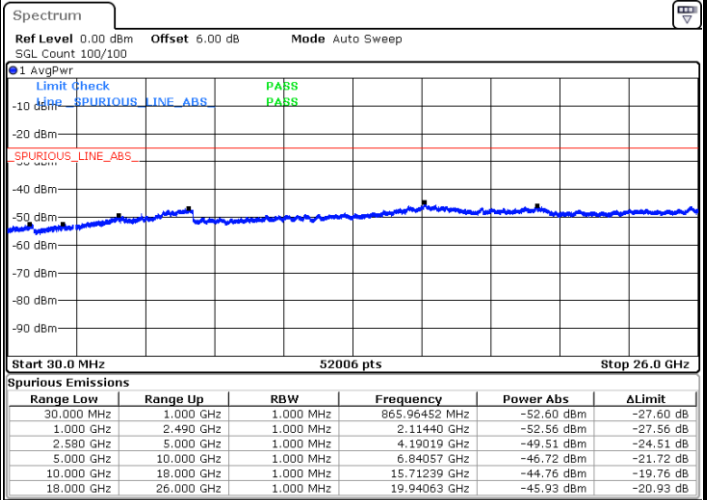
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

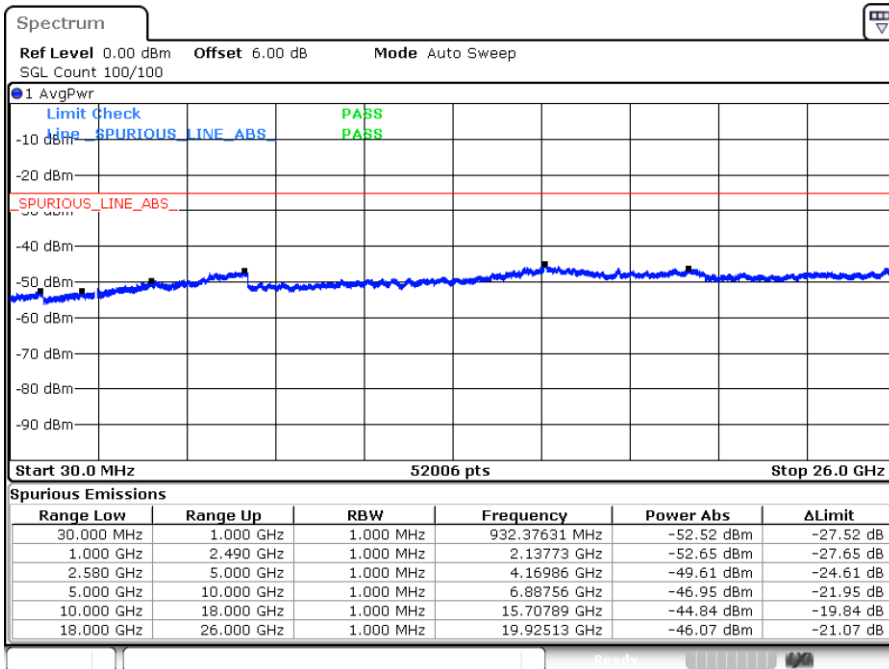


Date: 13.MAR.2021 05:00:09



Date: 13.MAR.2021 04:54:53

Highest Channel / QPSK

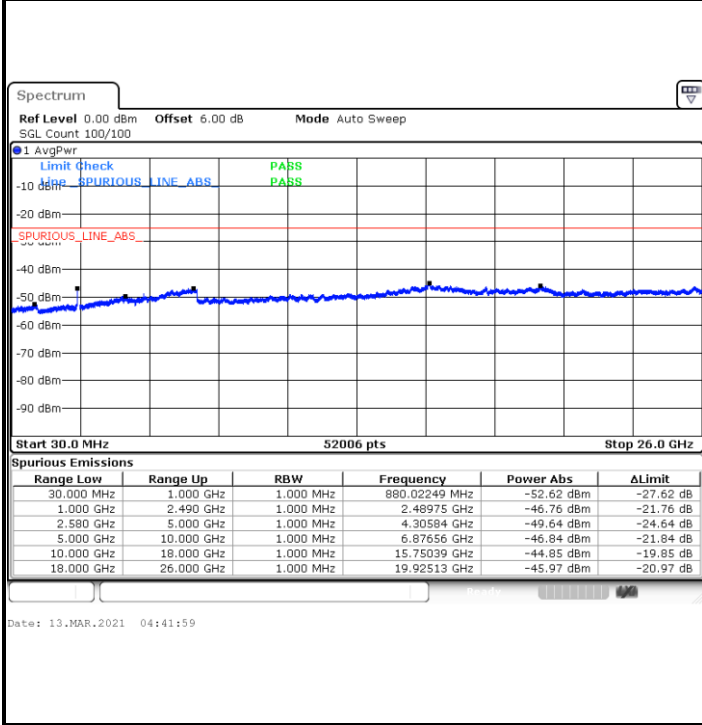


Date: 13.MAR.2021 04:53:55

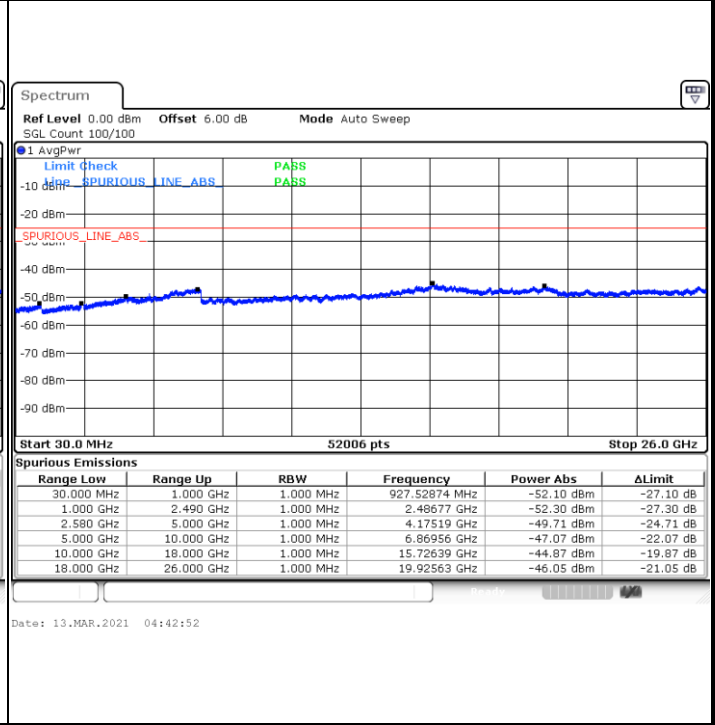


LTE Band 7 / 20MHz

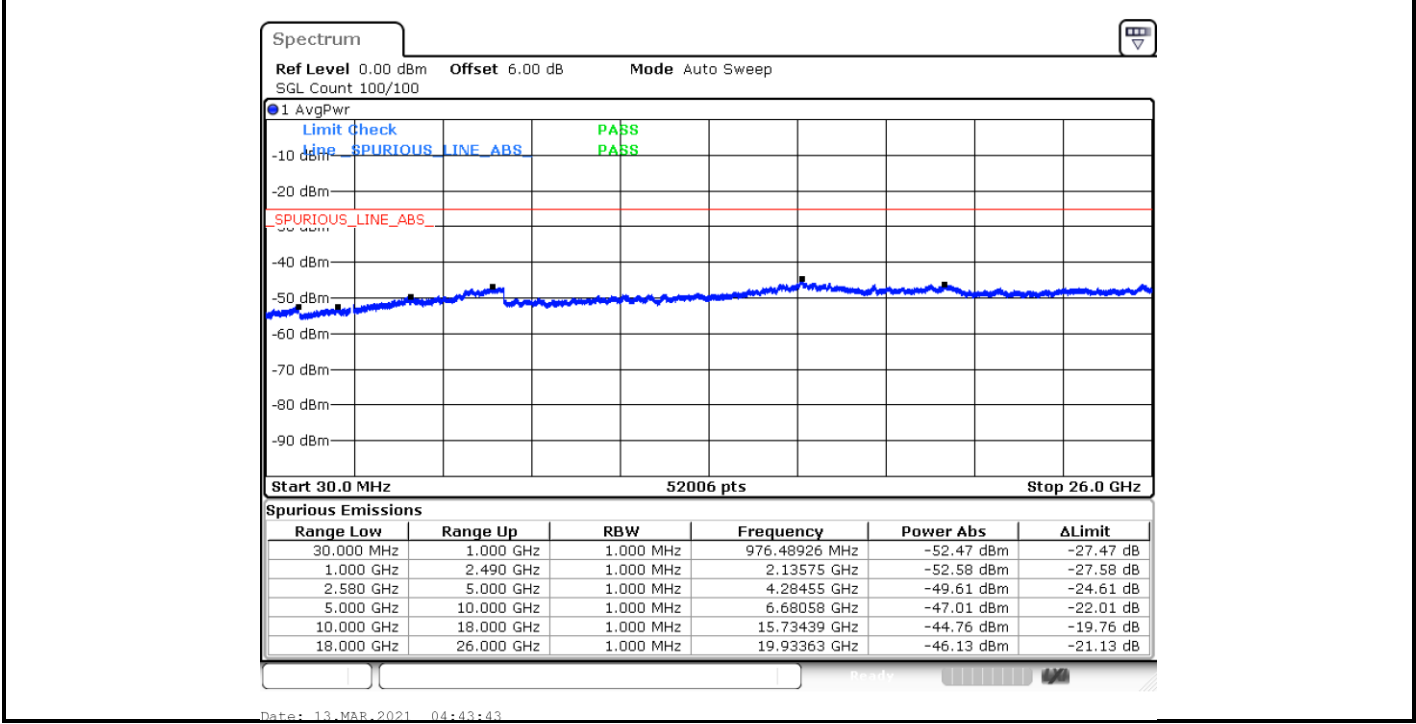
Lowest Channel / QPSK



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	0.0008	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0002	

Note:

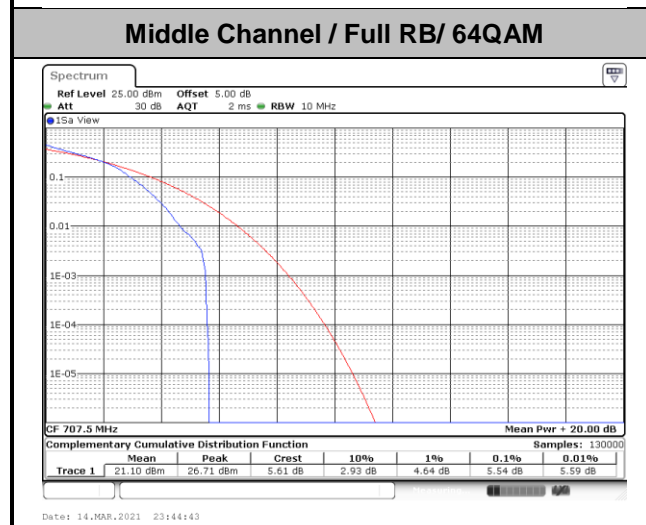
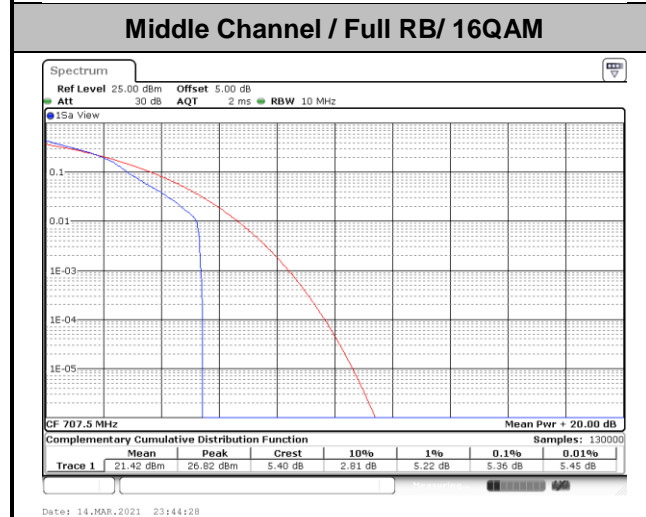
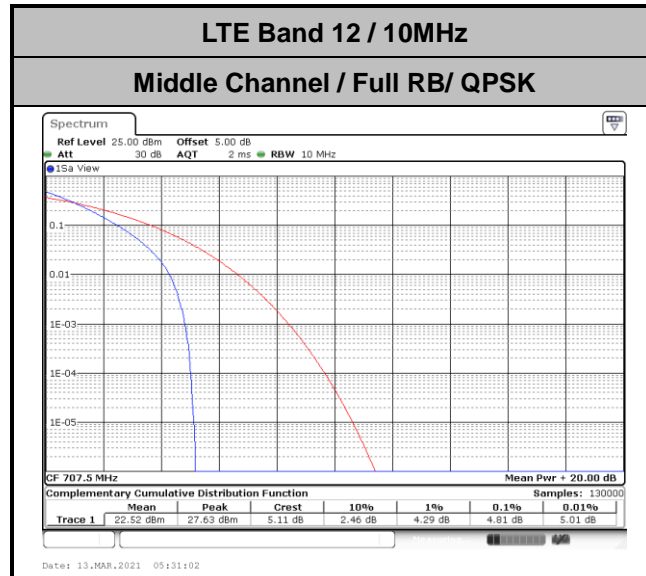
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

Peak-to-Average Ratio

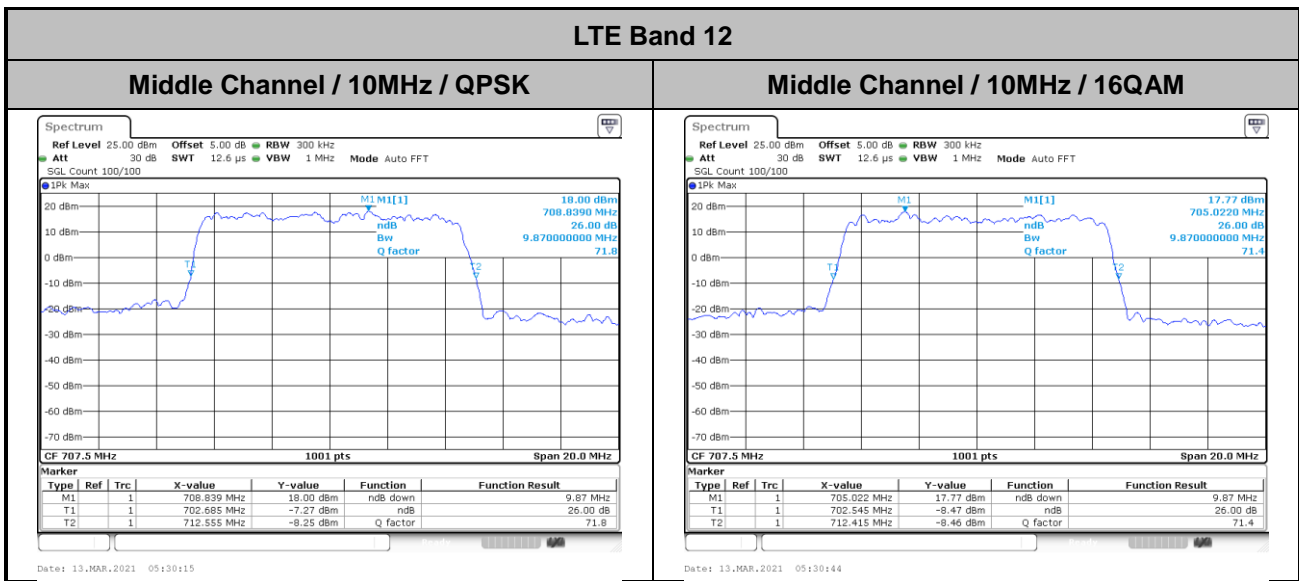
Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.36	5.54	PASS





26dB Bandwidth

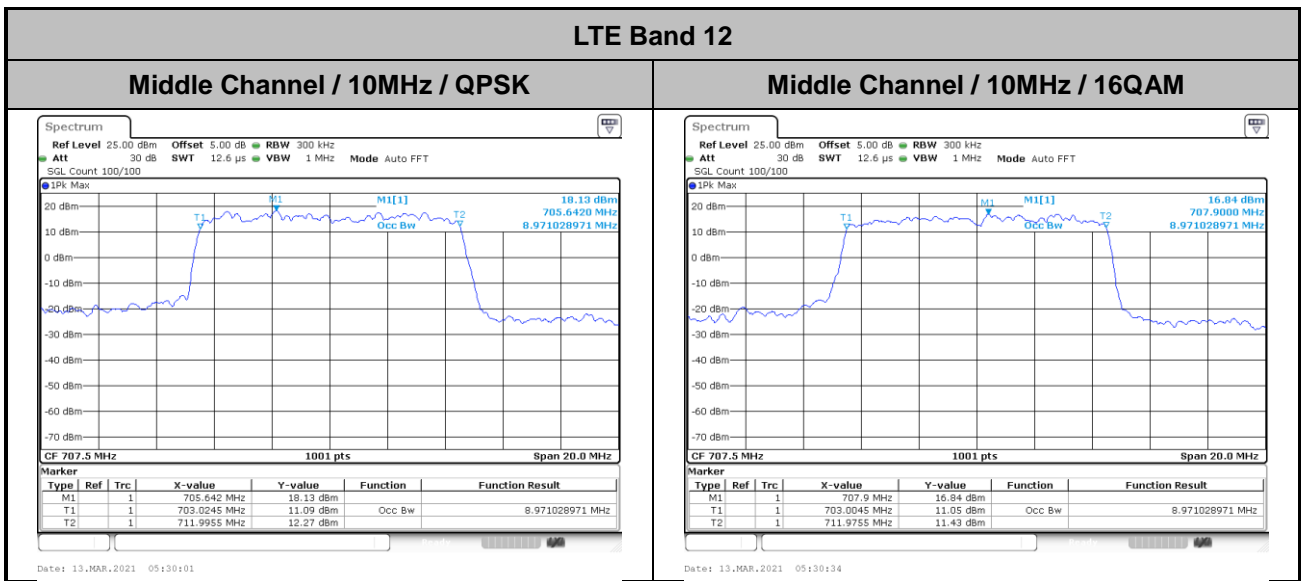
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.87	9.87





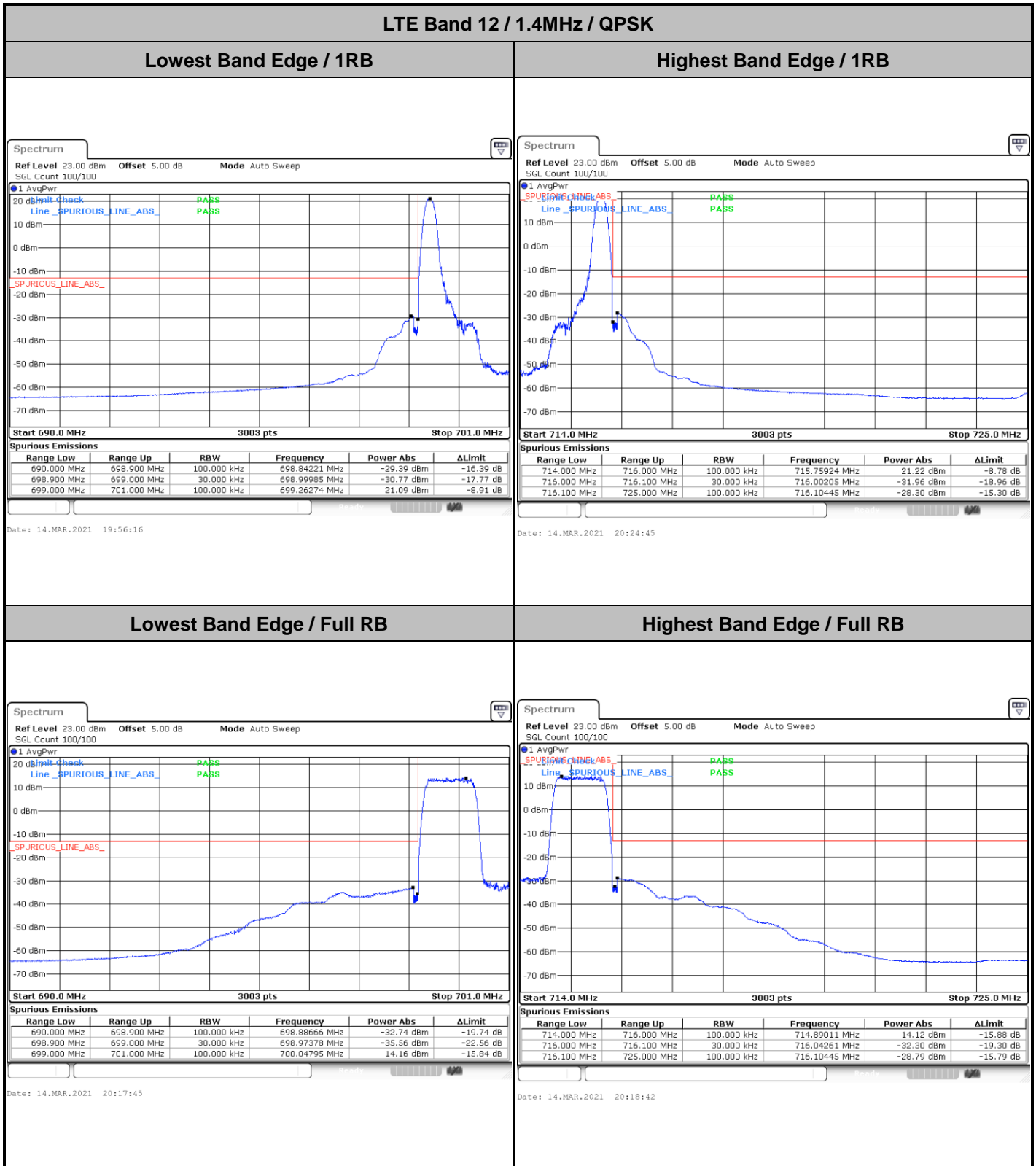
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.97	8.97



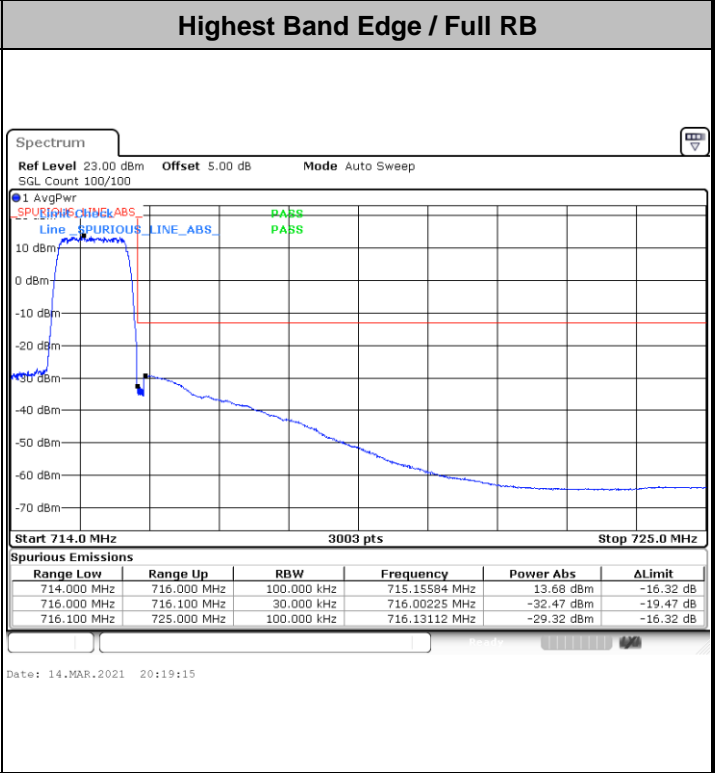
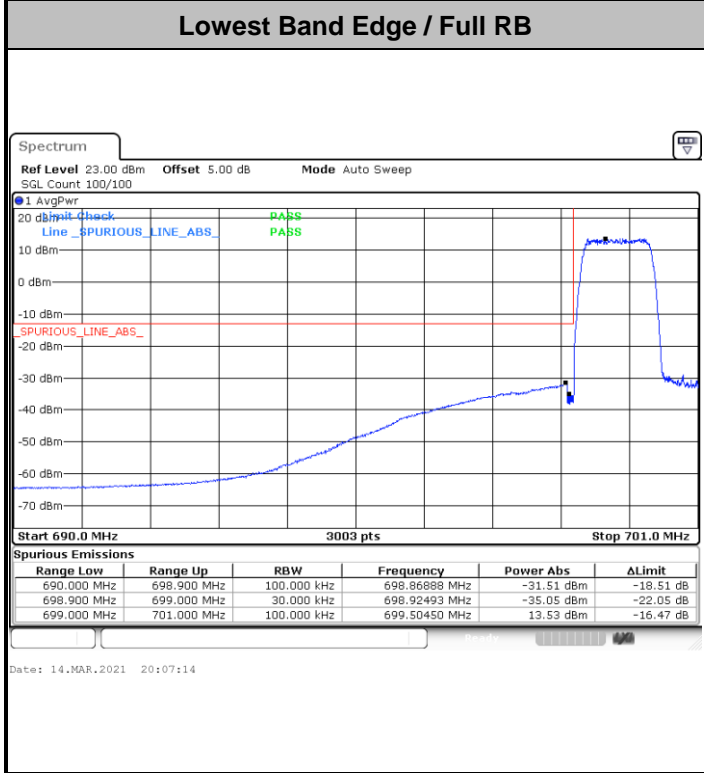
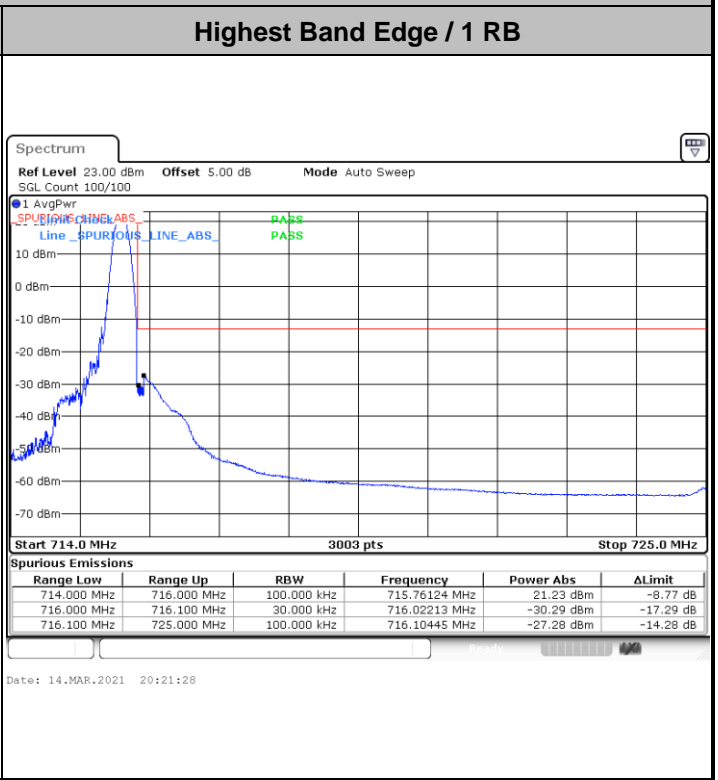
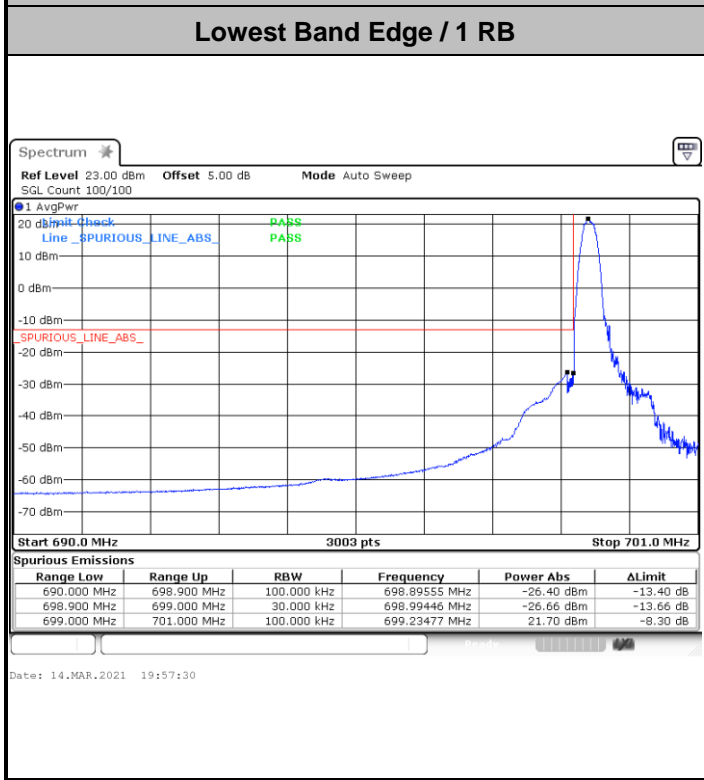


Conducted Band Edge





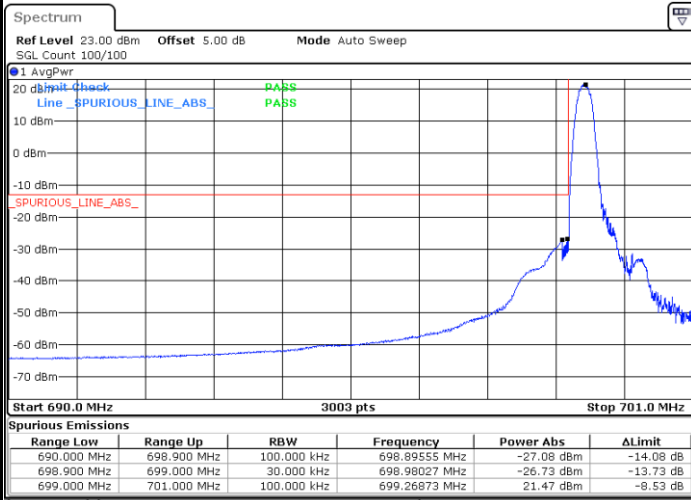
LTE Band 12 / 1.4MHz / 16QAM





LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



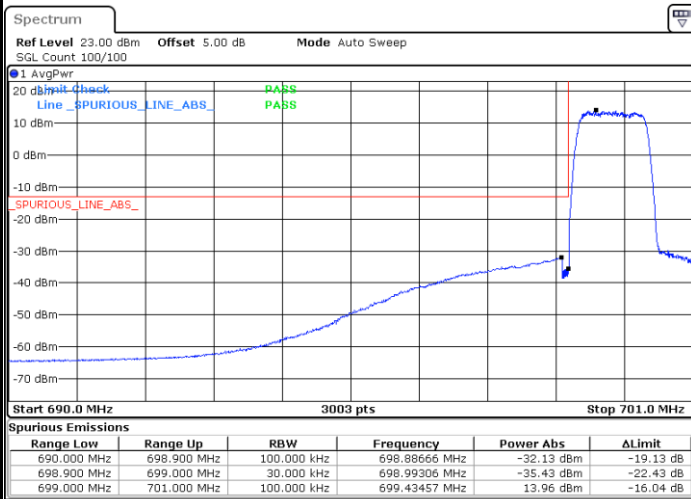
Date: 14.MAR.2021 19:58:31

Highest Band Edge / 1 RB



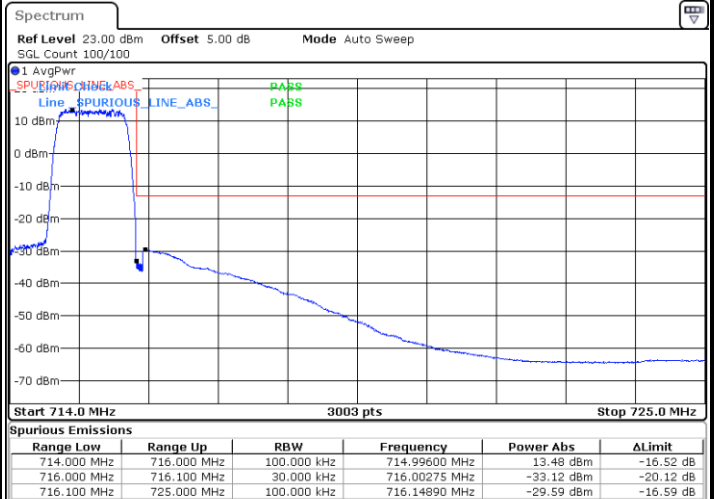
Date: 14.MAR.2021 20:23:52

Lowest Band Edge / Full RB



Date: 14.MAR.2021 19:59:46

Highest Band Edge / Full RB

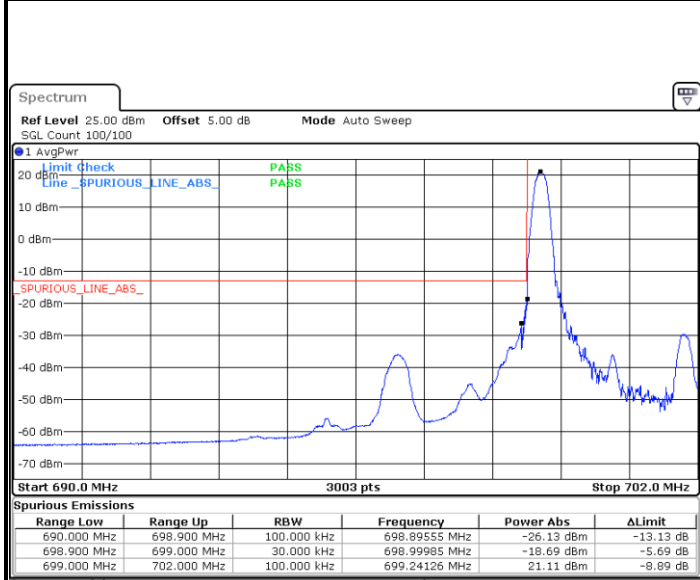


Date: 14.MAR.2021 20:19:50



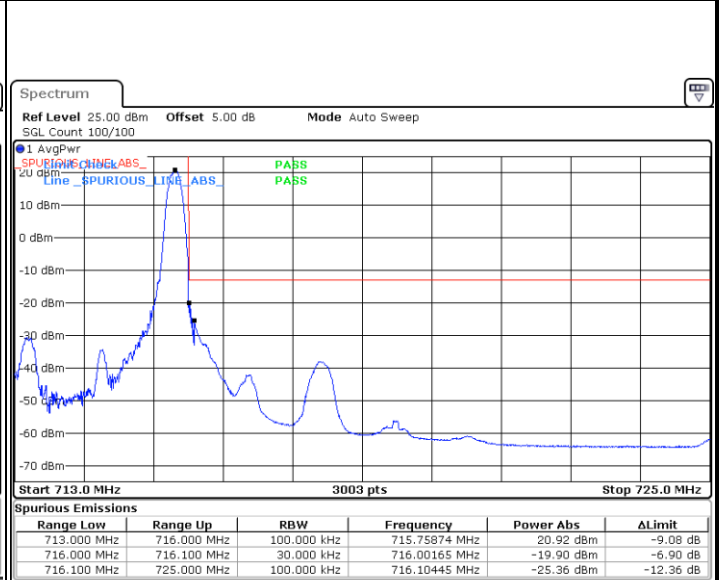
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



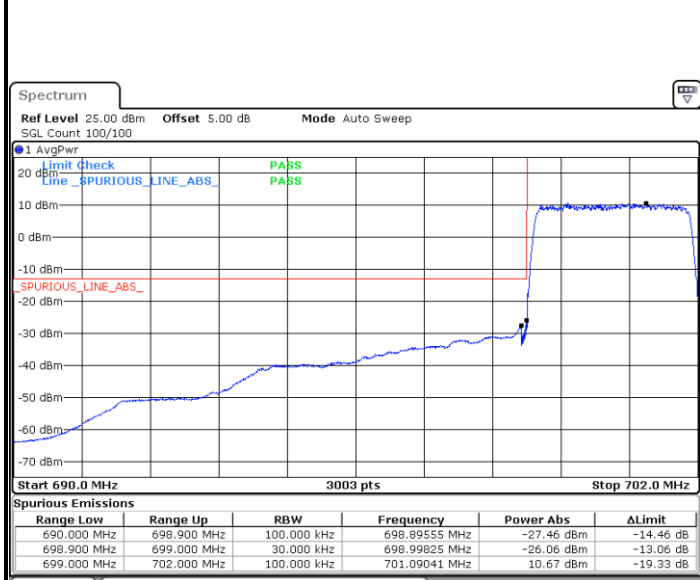
Date: 13.MAR.2021 06:39:29

Highest Band Edge / 1 RB



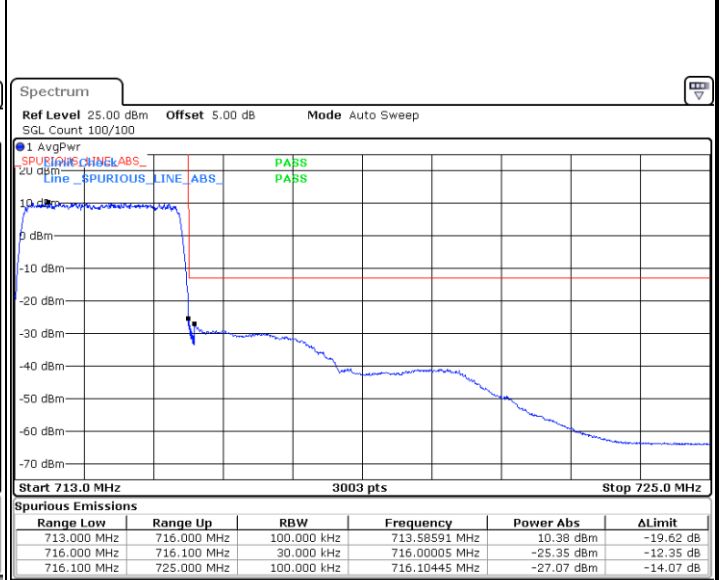
Date: 13.MAR.2021 07:03:10

Lowest Band Edge / Full RB



Date: 13.MAR.2021 06:56:10

Highest Band Edge / Full RB

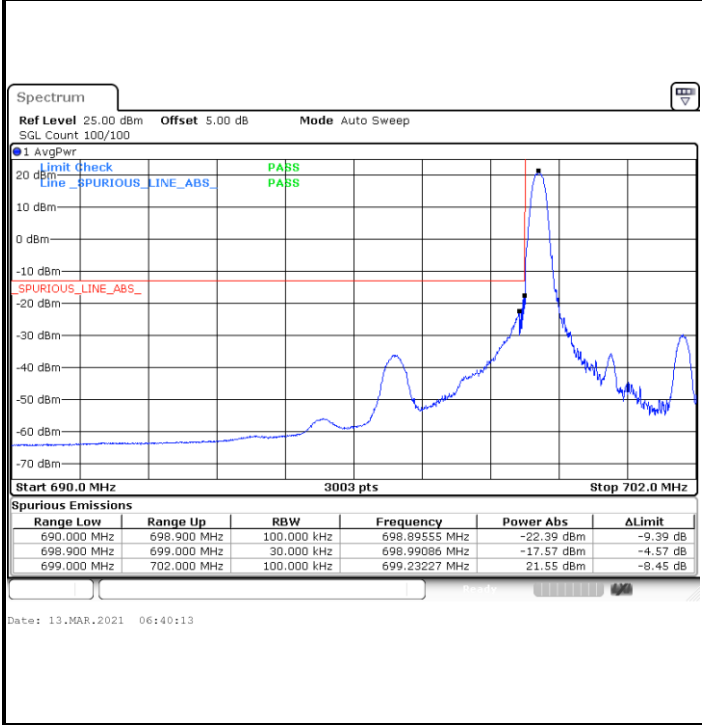


Date: 13.MAR.2021 06:59:29

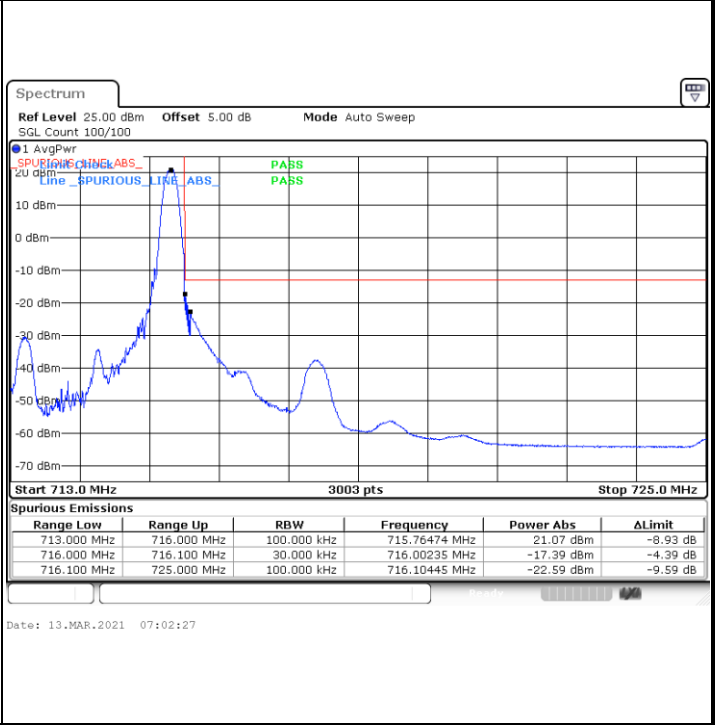


LTE Band 12 / 3MHz / 16QAM

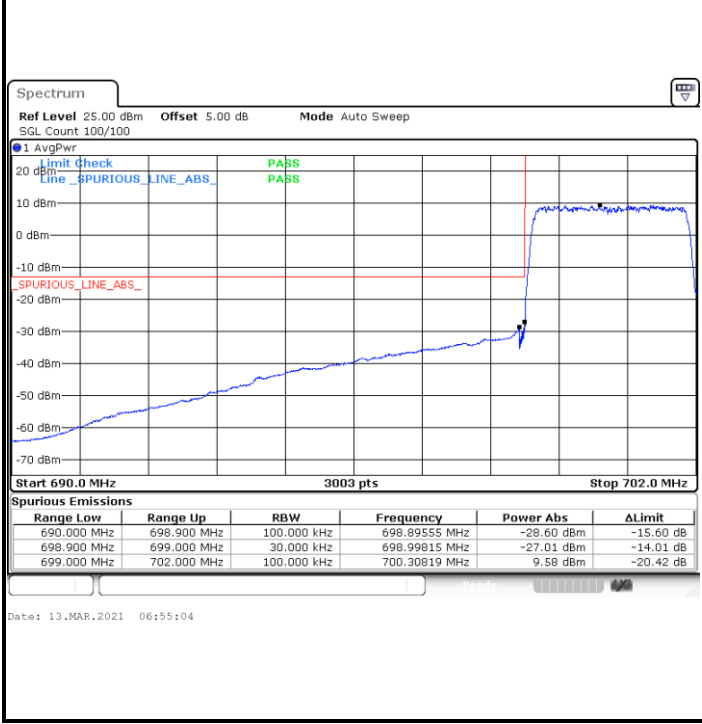
Lowest Band Edge / 1 RB



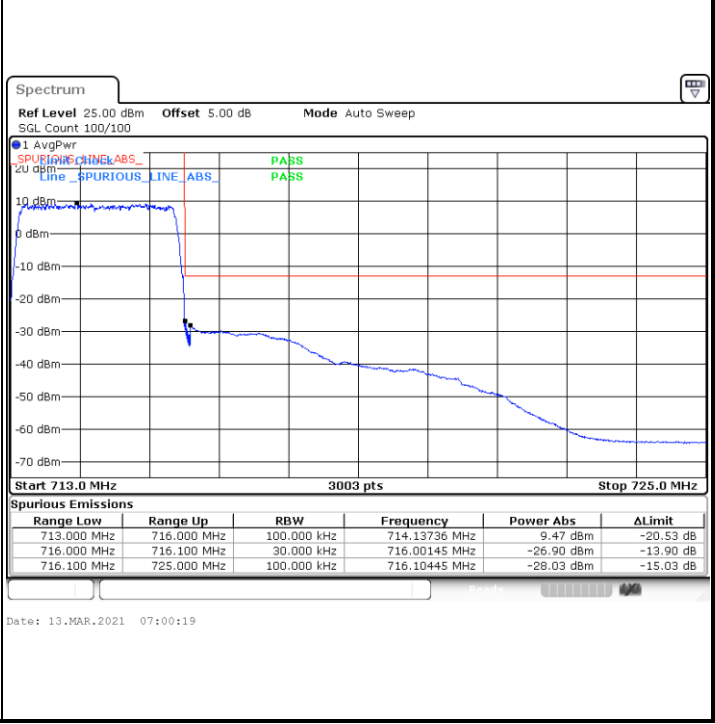
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



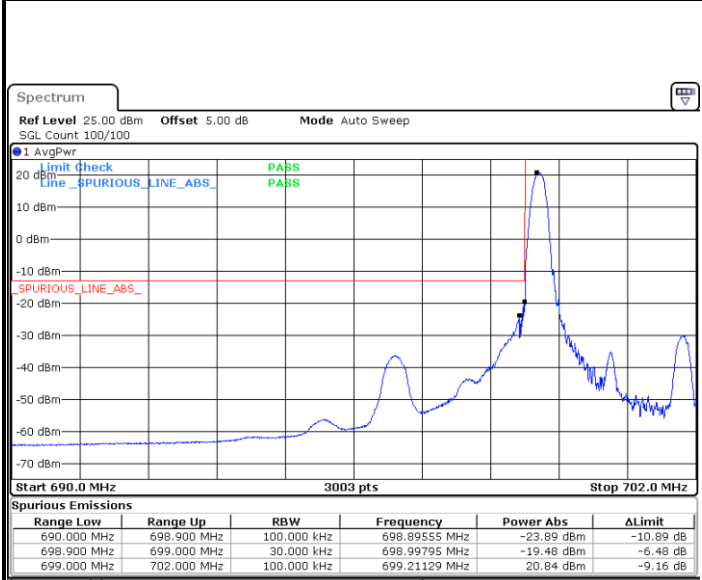
Highest Band Edge / Full RB





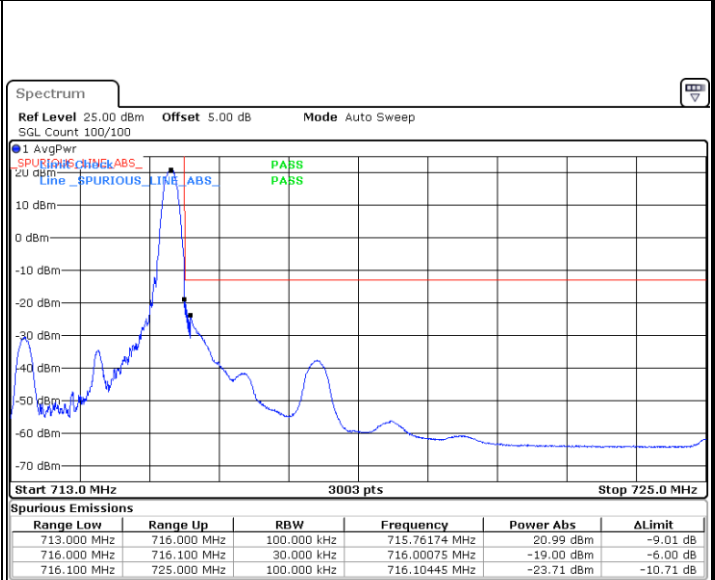
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



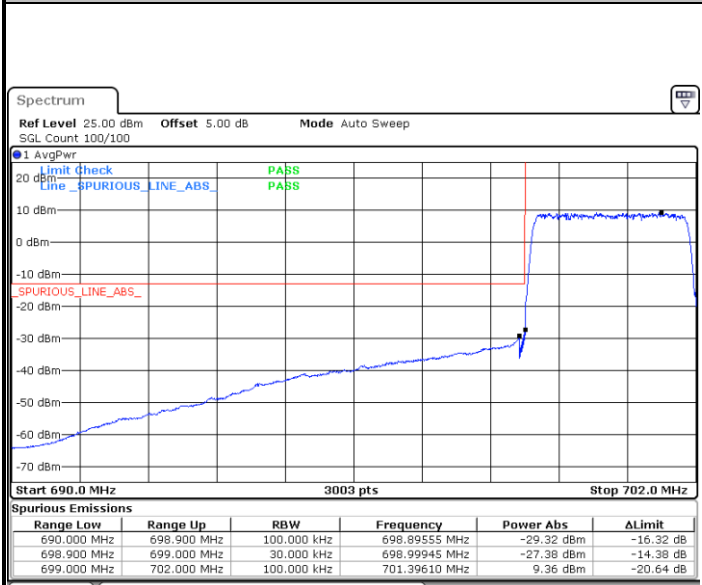
Date: 13.MAR.2021 06:48:59

Highest Band Edge / 1 RB



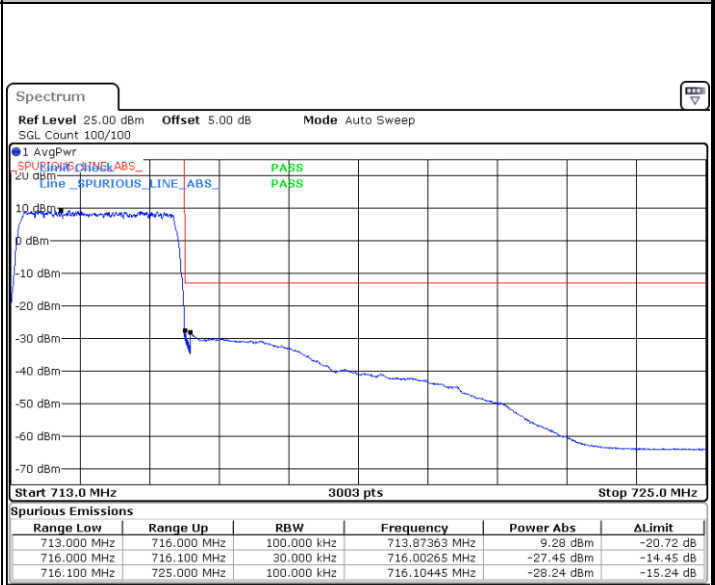
Date: 13.MAR.2021 07:01:31

Lowest Band Edge / Full RB



Date: 13.MAR.2021 06:54:16

Highest Band Edge / Full RB

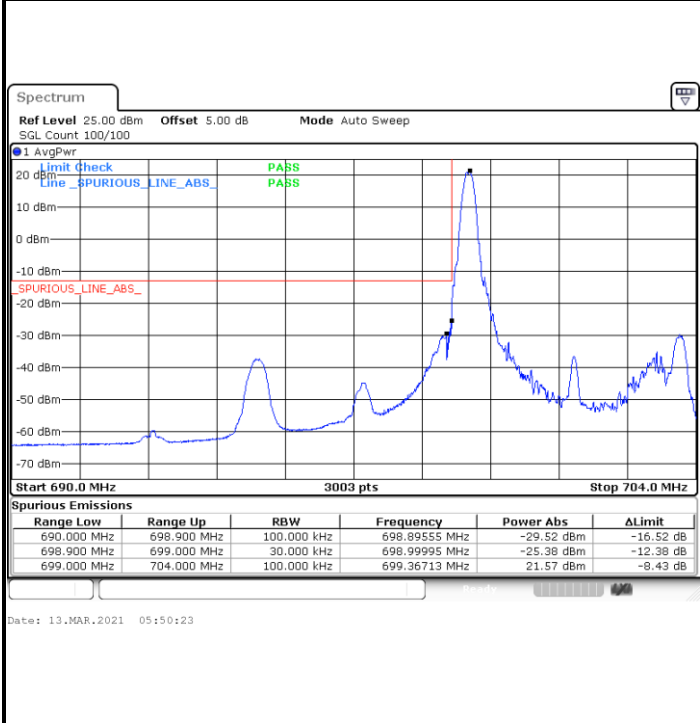


Date: 13.MAR.2021 07:00:55

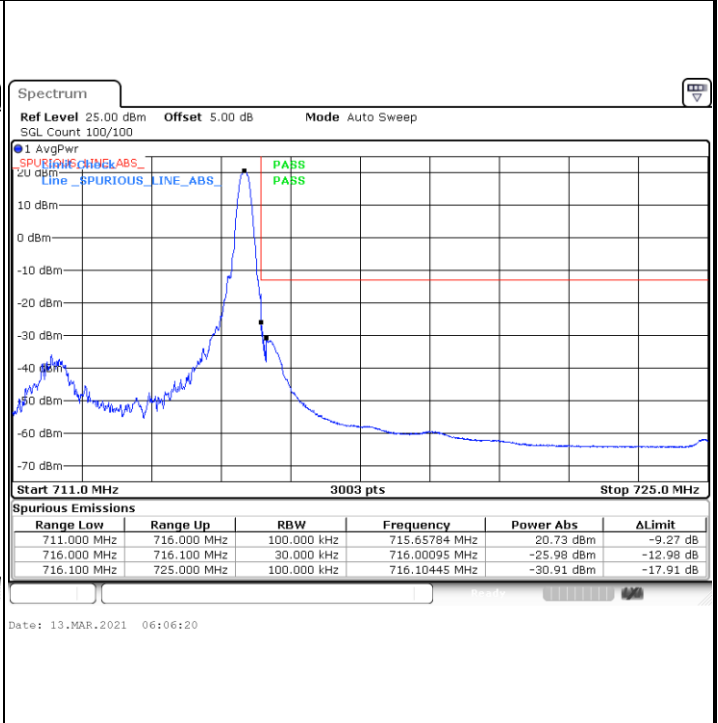


LTE Band 12 / 5MHz / QPSK

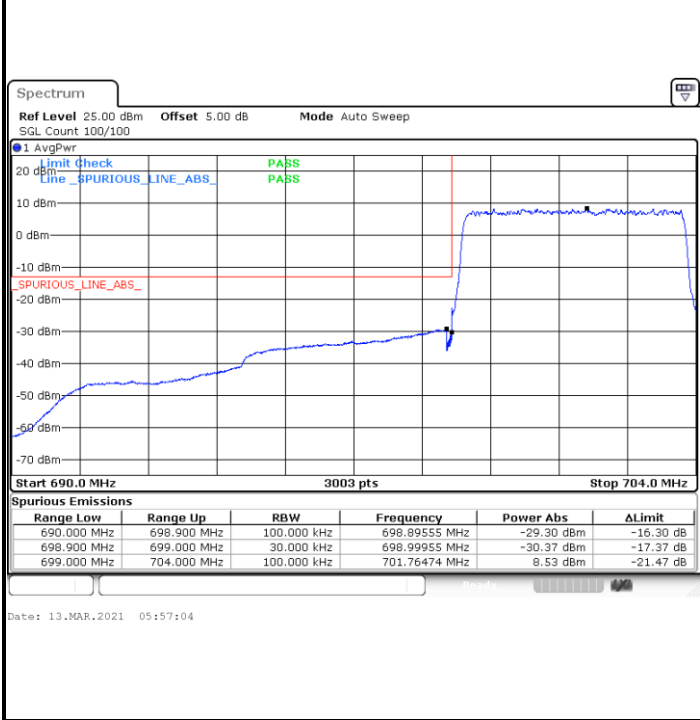
Lowest Band Edge / 1 RB



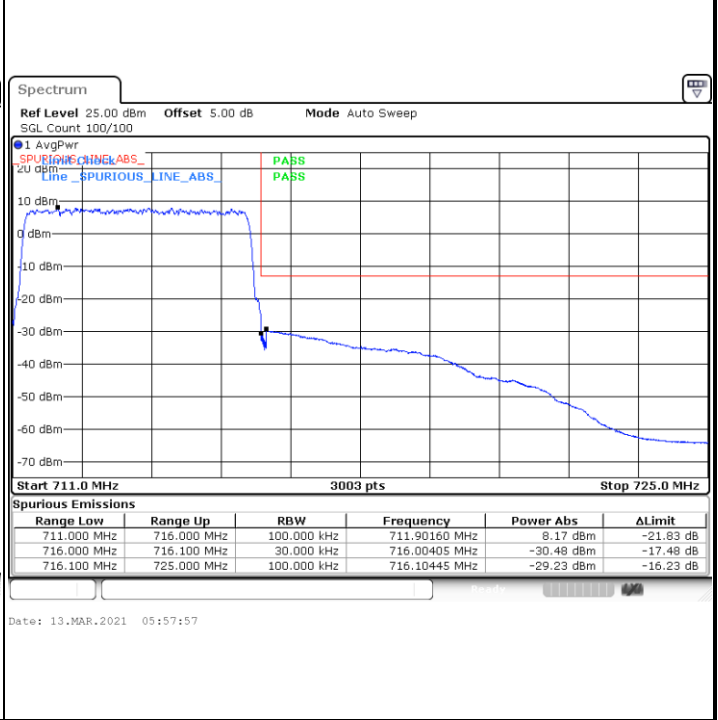
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



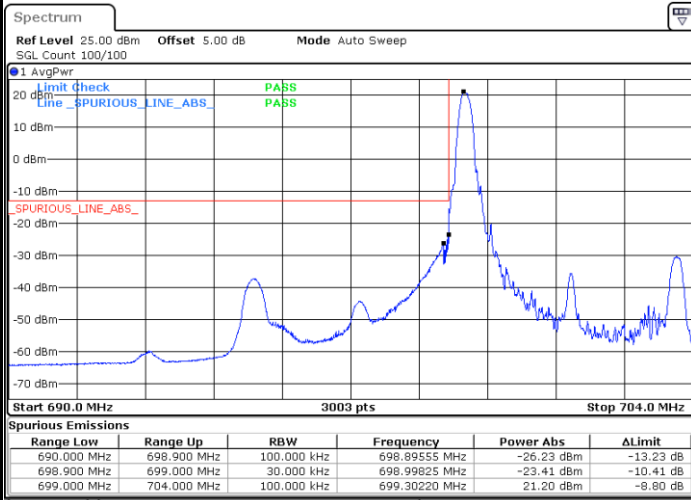
Highest Band Edge / Full RB





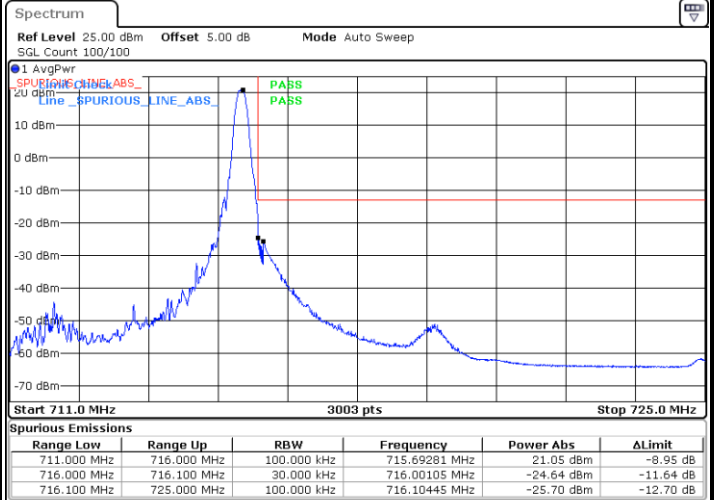
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



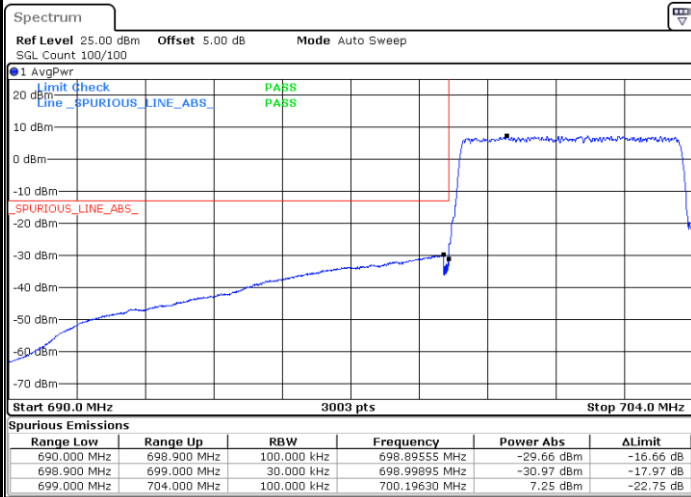
Date: 13.MAR.2021 05:51:48

Highest Band Edge / 1 RB



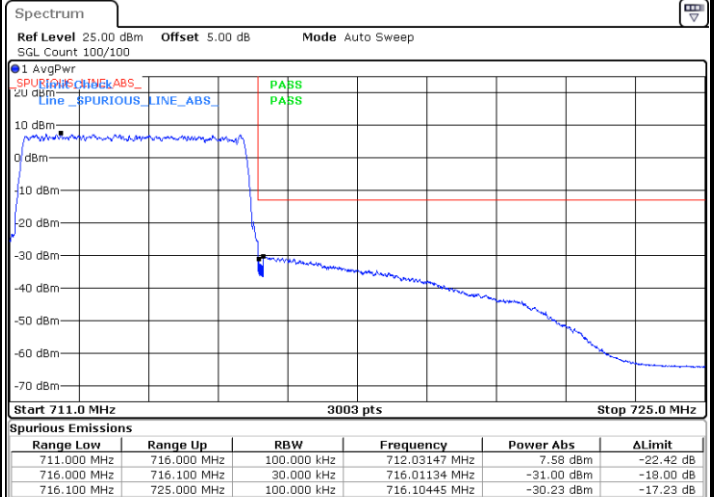
Date: 13.MAR.2021 06:05:40

Lowest Band Edge / Full RB



Date: 13.MAR.2021 05:56:07

Highest Band Edge / Full RB

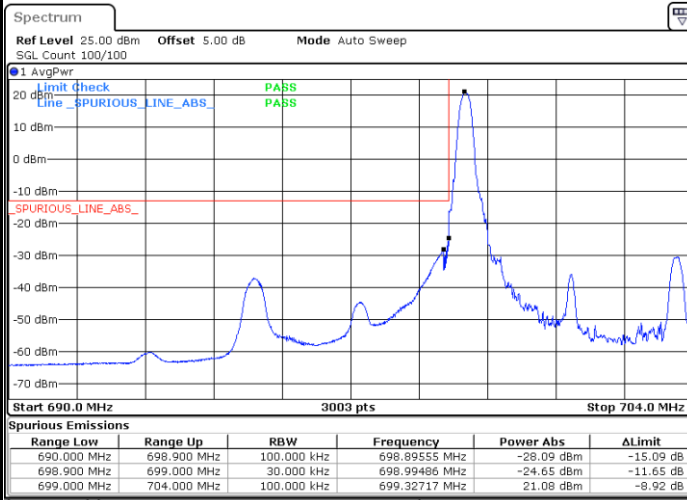


Date: 13.MAR.2021 05:58:43



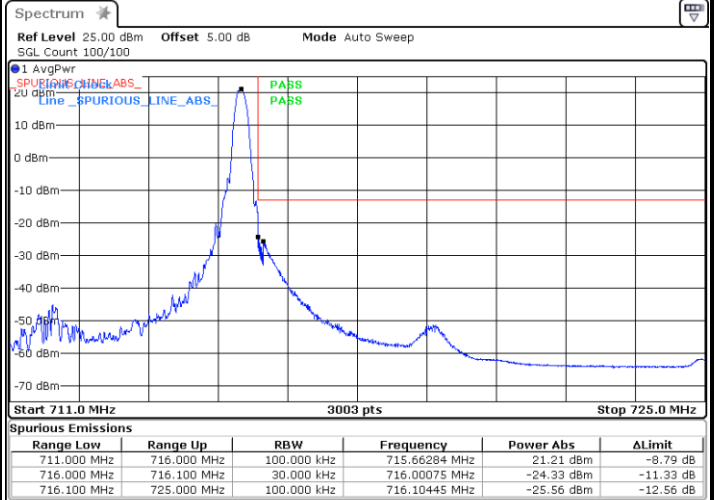
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



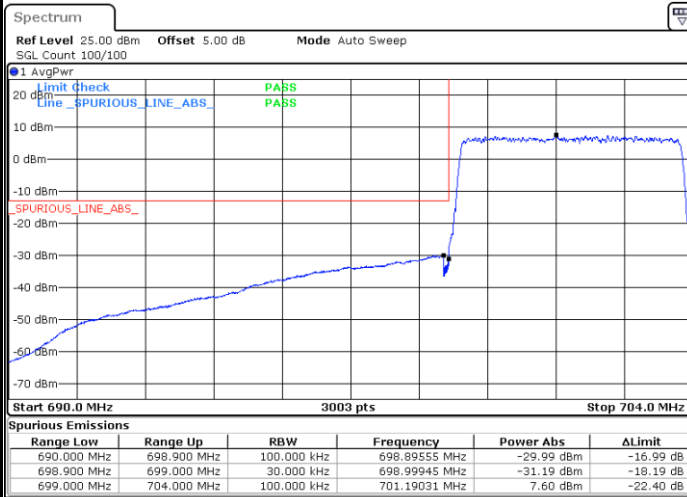
Date: 13.MAR.2021 05:53:37

Highest Band Edge / 1 RB



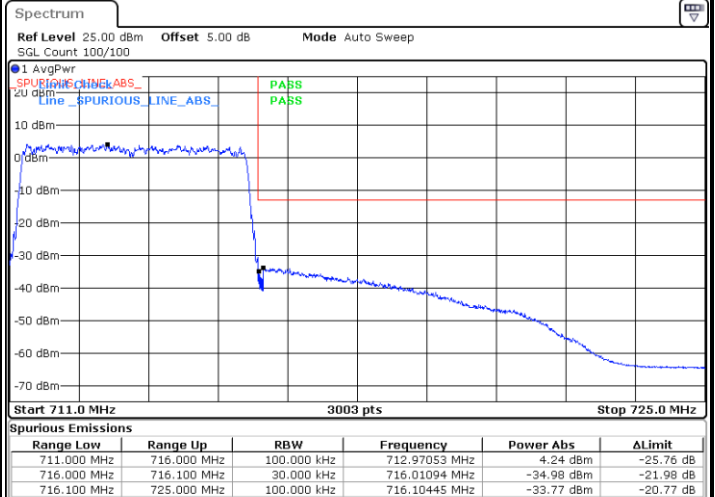
Date: 13.MAR.2021 06:03:27

Lowest Band Edge / Full RB



Date: 13.MAR.2021 05:54:14

Highest Band Edge / Full RB

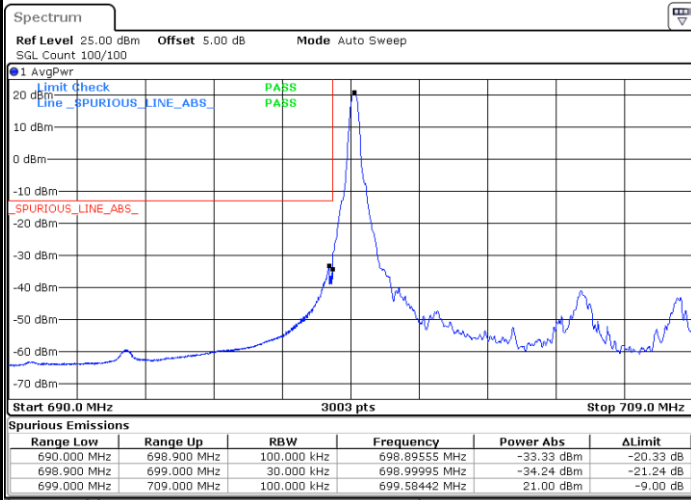


Date: 13.MAR.2021 05:59:22



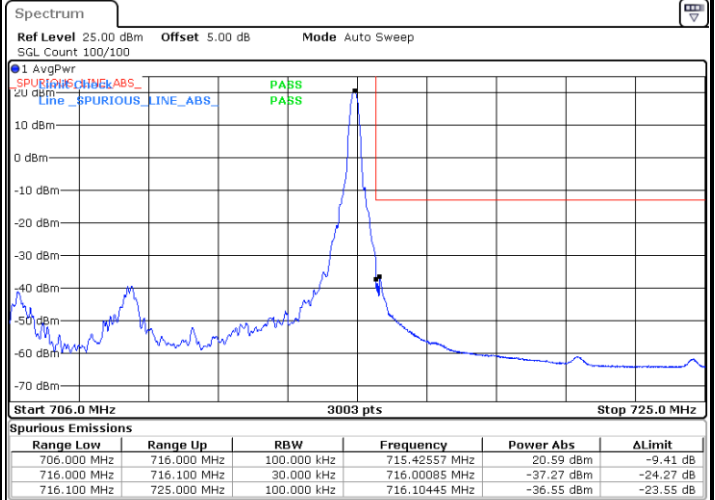
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



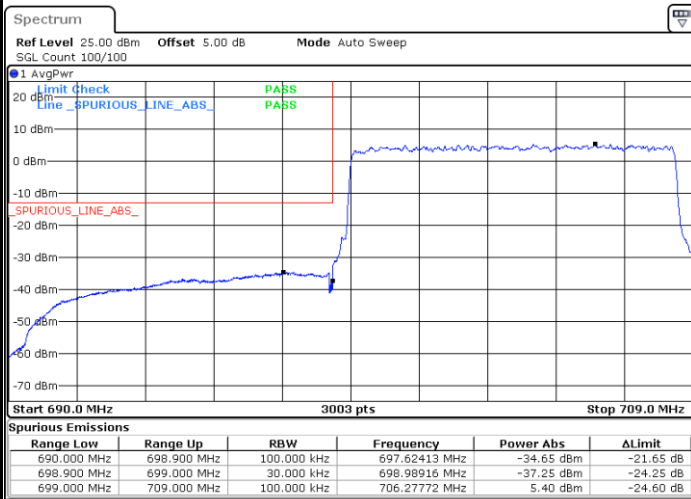
Date: 13.MAR.2021 05:32:40

Highest Band Edge / 1 RB



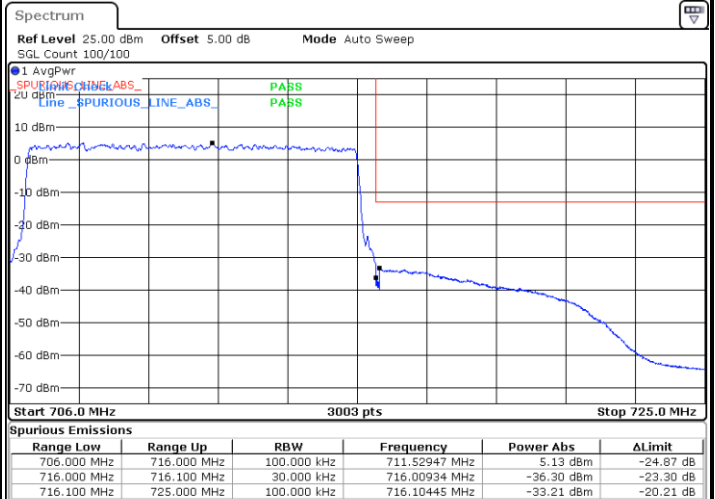
Date: 13.MAR.2021 05:42:44

Lowest Band Edge / Full RB



Date: 13.MAR.2021 05:37:42

Highest Band Edge / Full RB

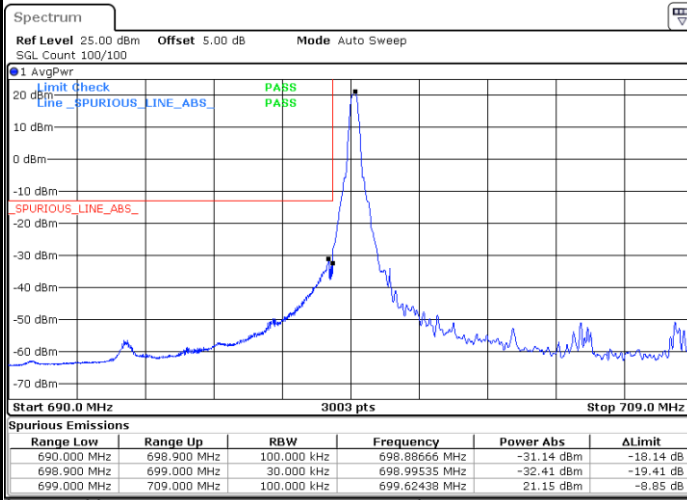


Date: 13.MAR.2021 05:38:51



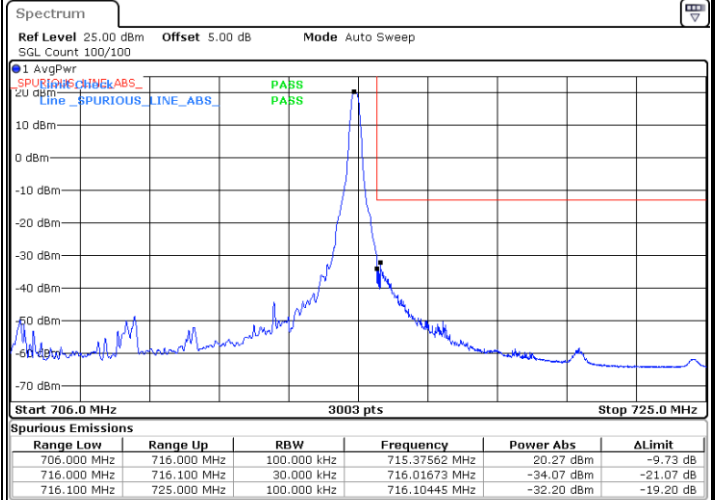
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



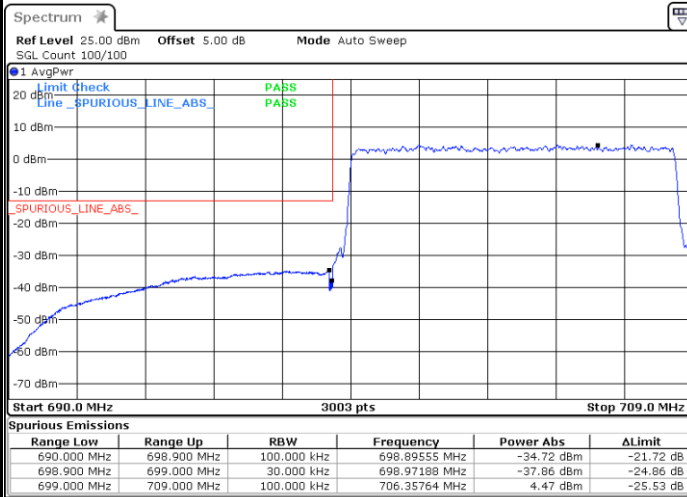
Date: 13.MAR.2021 05:33:45

Highest Band Edge / 1 RB



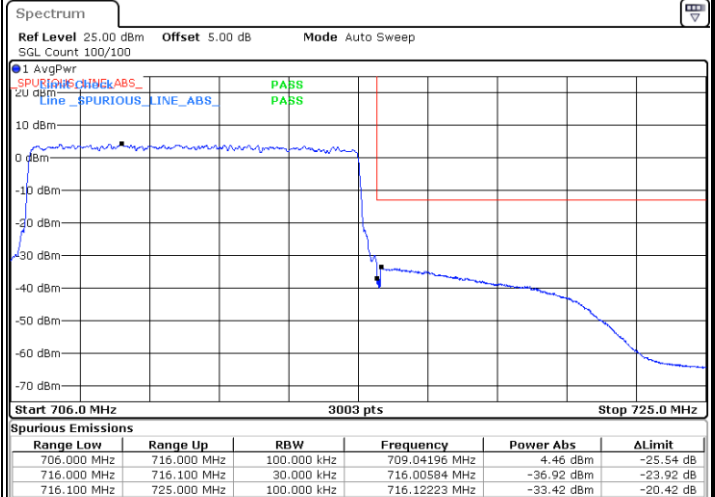
Date: 13.MAR.2021 05:41:56

Lowest Band Edge / Full RB



Date: 13.MAR.2021 05:36:26

Highest Band Edge / Full RB

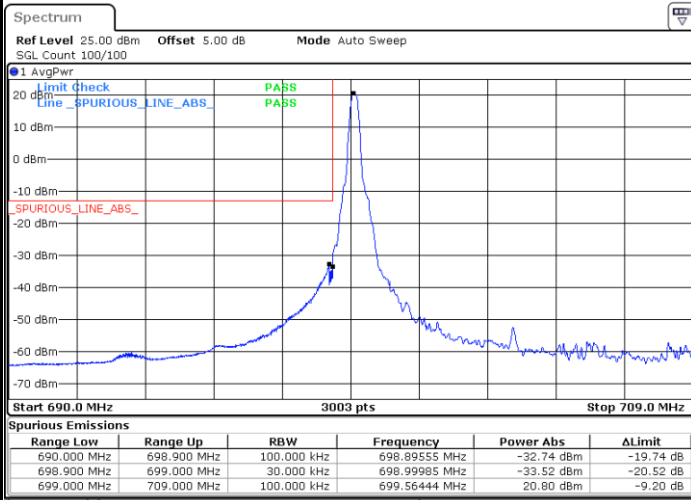


Date: 13.MAR.2021 05:39:33



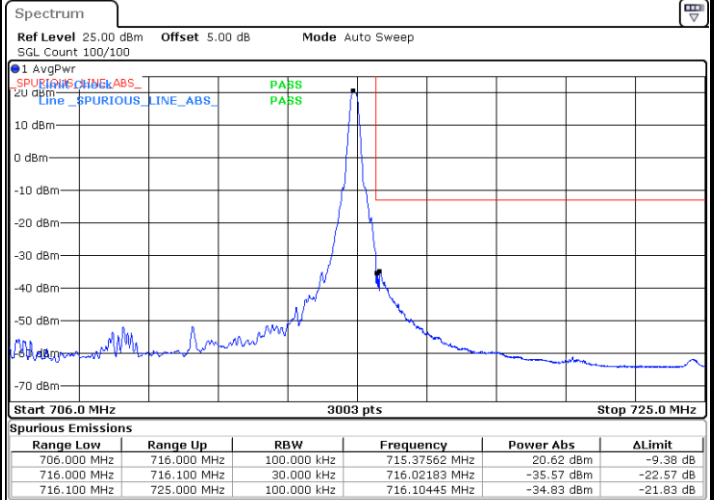
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



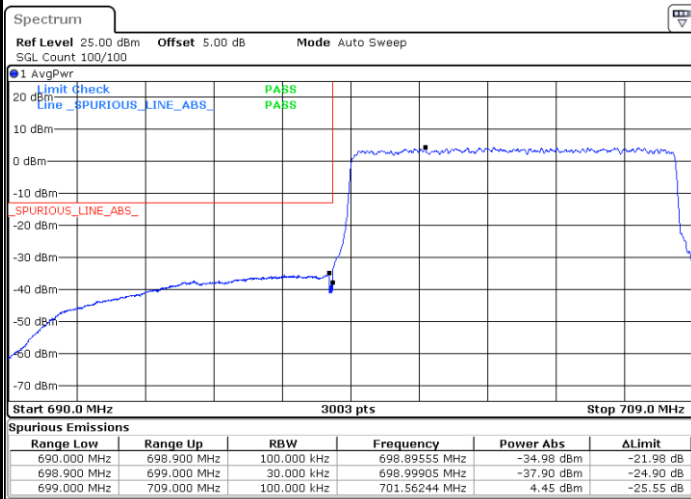
Date: 13.MAR.2021 05:34:31

Highest Band Edge / 1 RB



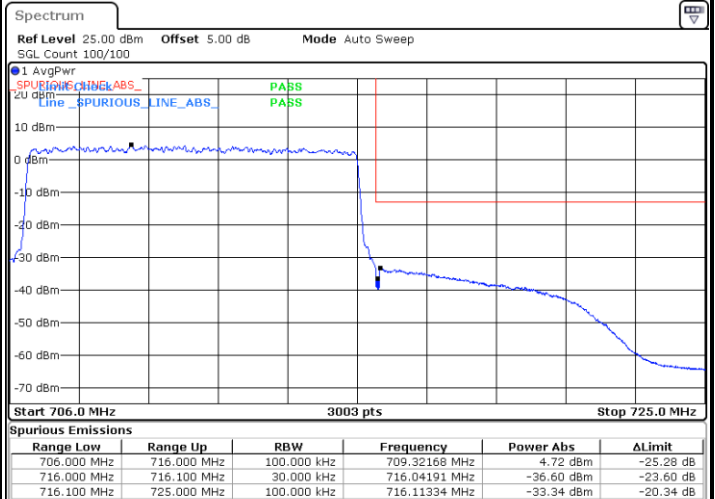
Date: 13.MAR.2021 05:41:08

Lowest Band Edge / Full RB



Date: 13.MAR.2021 05:35:20

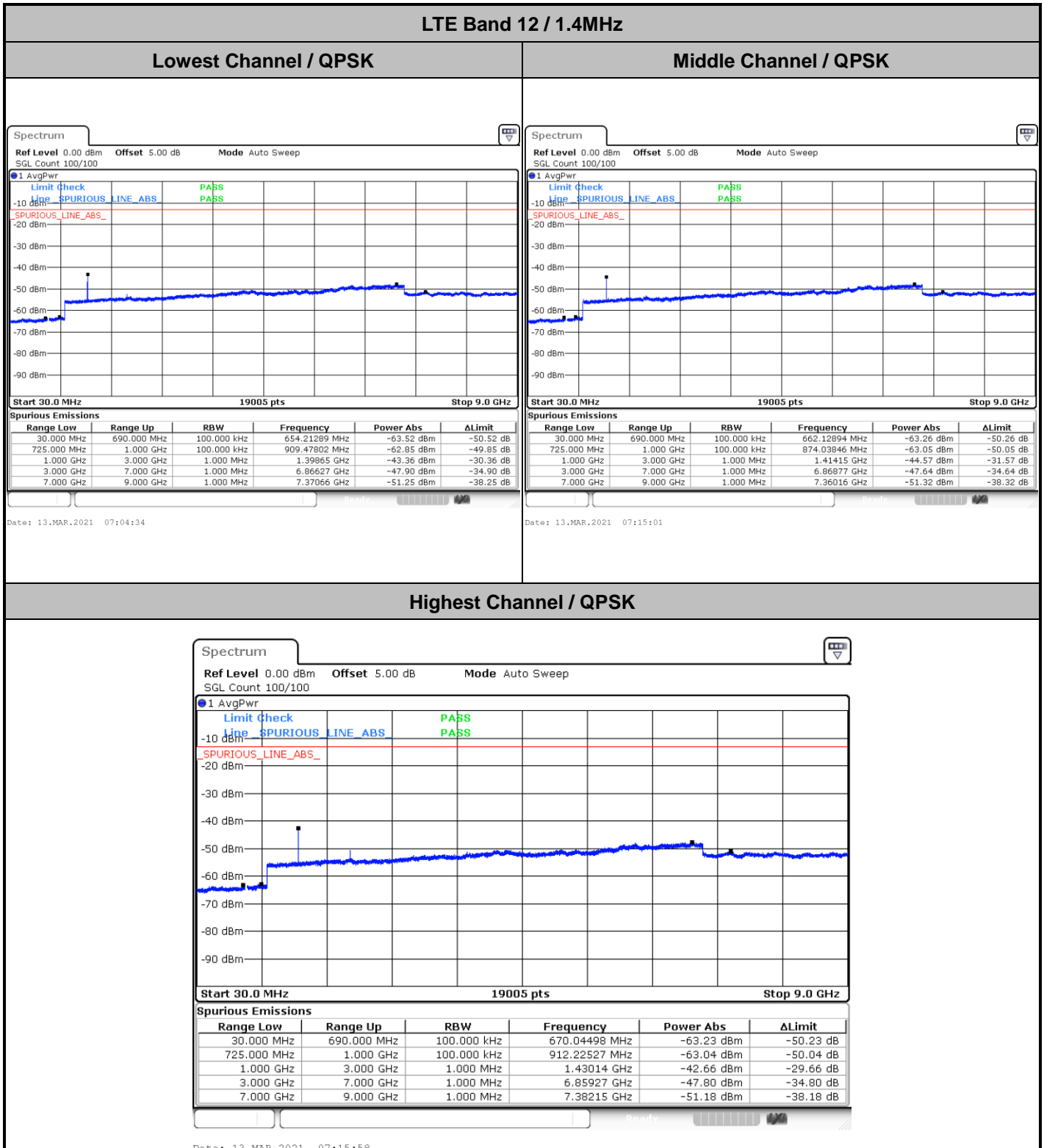
Highest Band Edge / Full RB



Date: 13.MAR.2021 05:40:10



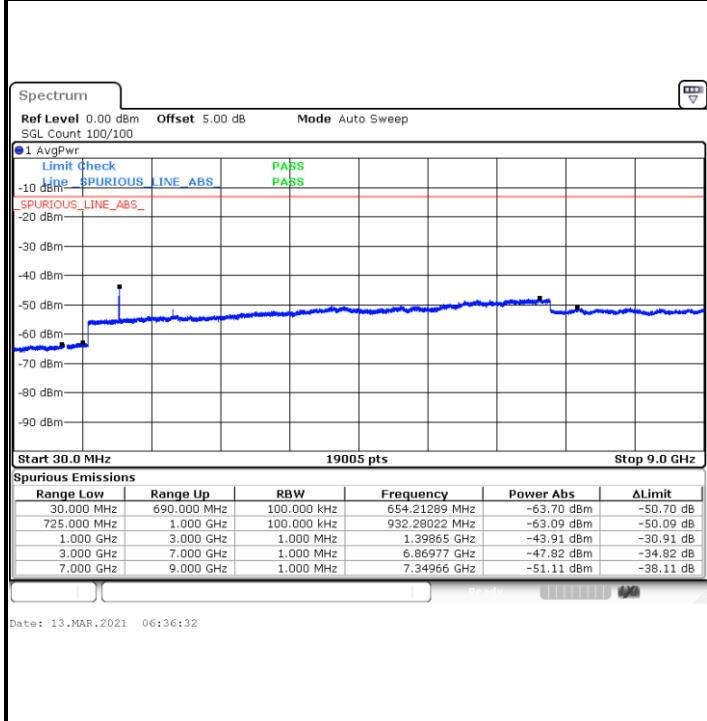
Conducted Spurious Emission



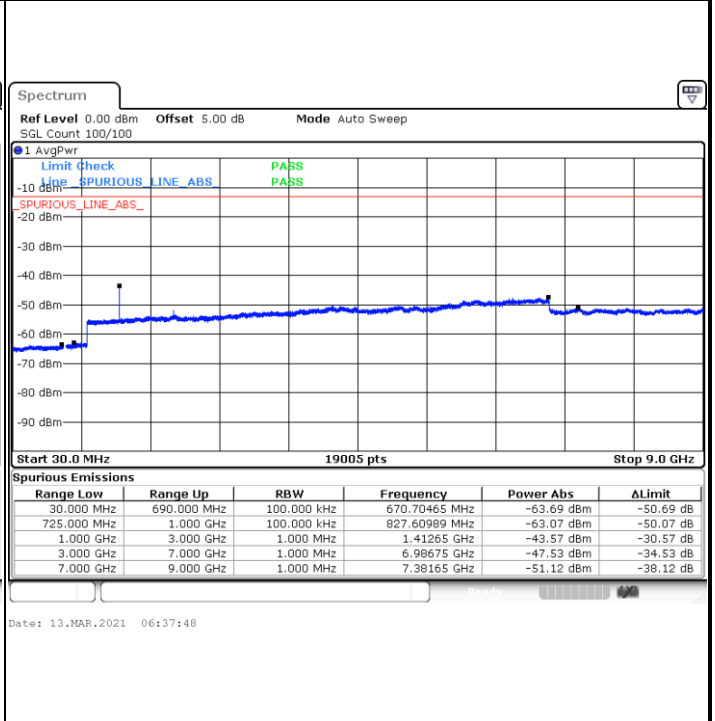


LTE Band 12 / 3MHz

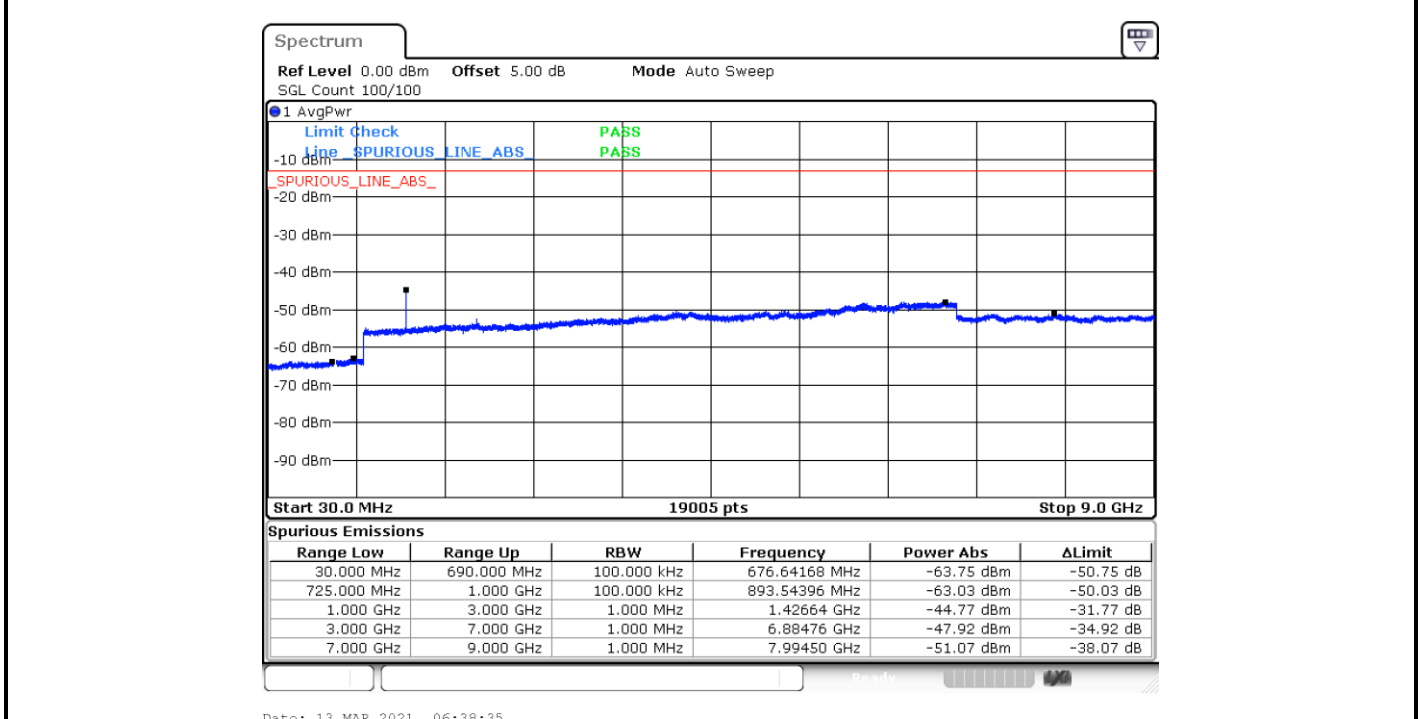
Lowest Channel / QPSK



Middle Channel / QPSK



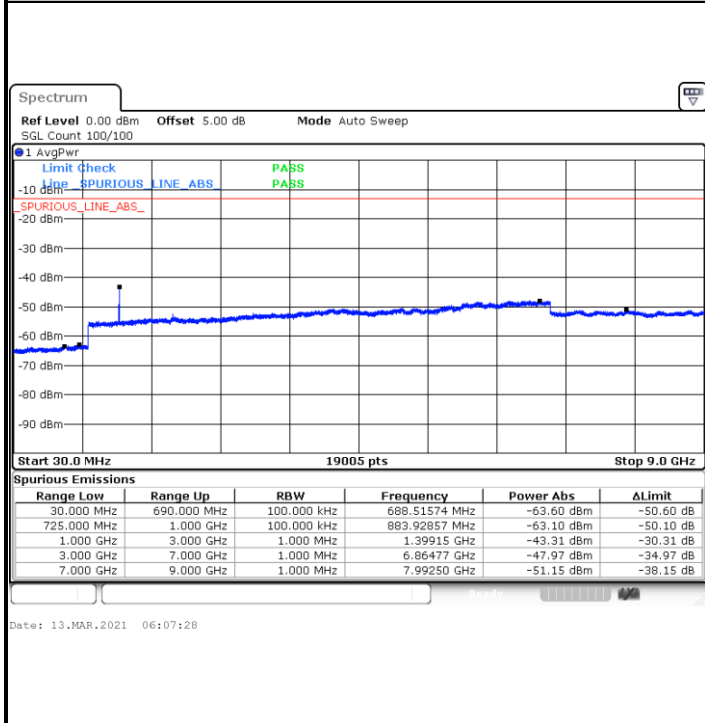
Highest Channel / QPSK



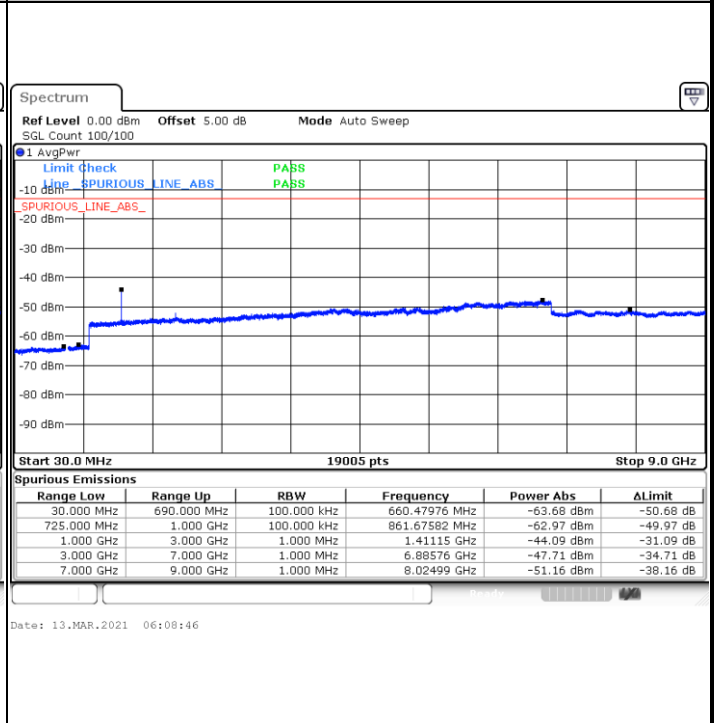


LTE Band 12 / 5MHz

Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

