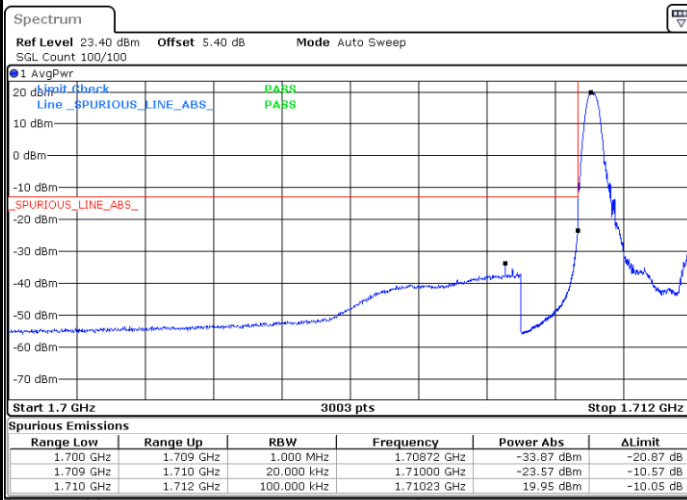




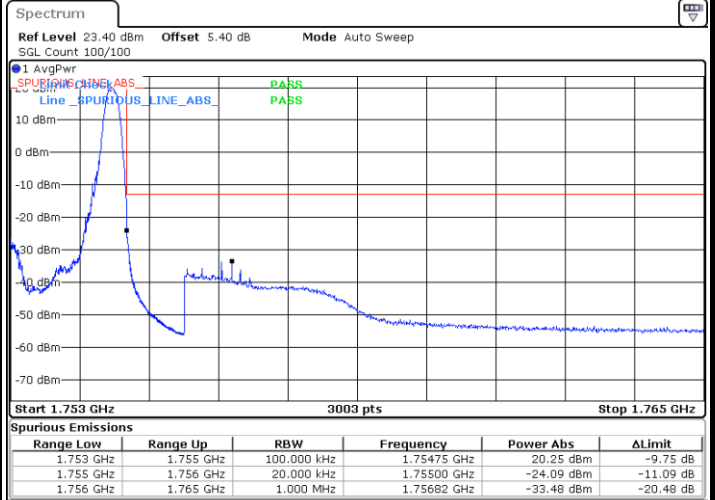
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



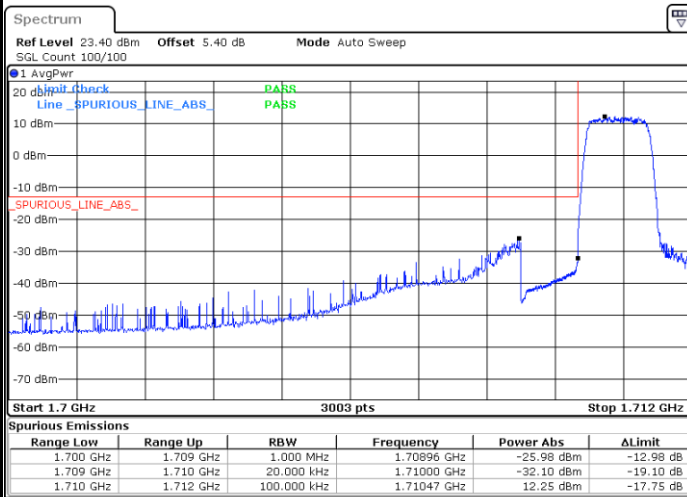
Date: 6 MAR 2021 10:43:05

Highest Band Edge / 1 RB



Date: 6 MAR 2021 11:06:46

Lowest Band Edge / Full RB



Date: 6 MAR 2021 10:47:00

Highest Band Edge / Full RB

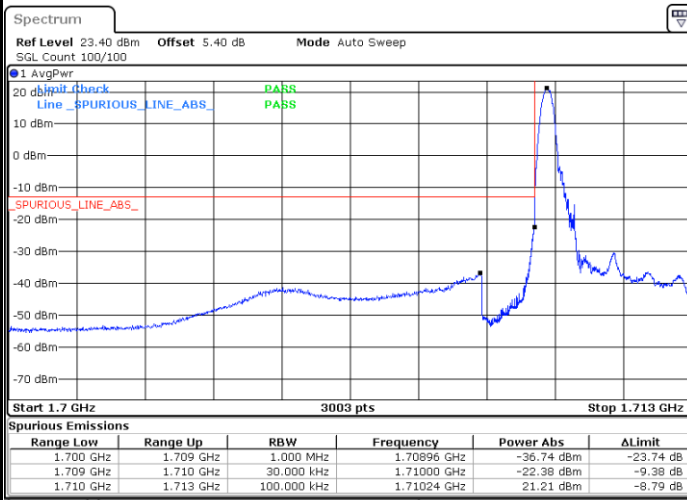


Date: 6 MAR 2021 11:22:53



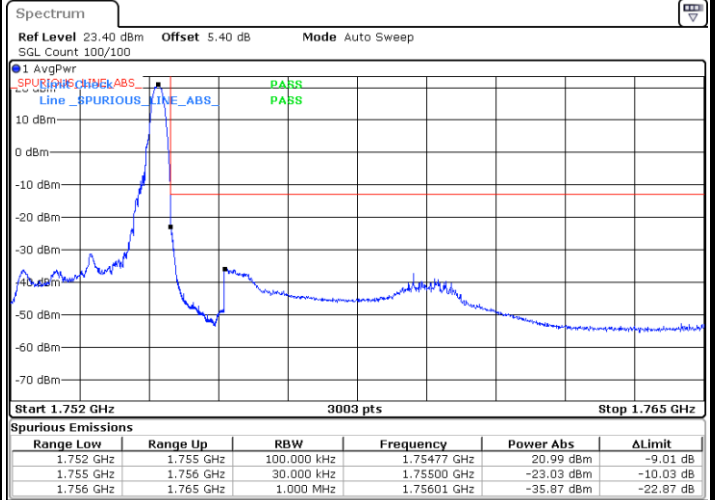
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



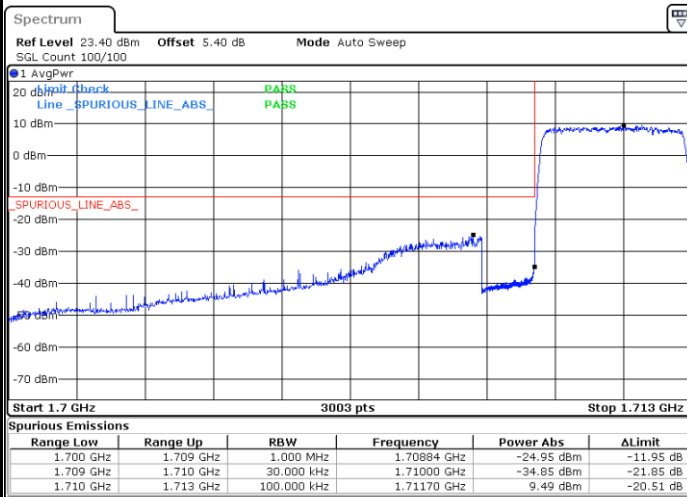
Date: 6 MAR 2021 11:35:26

Highest Band Edge / 1 RB



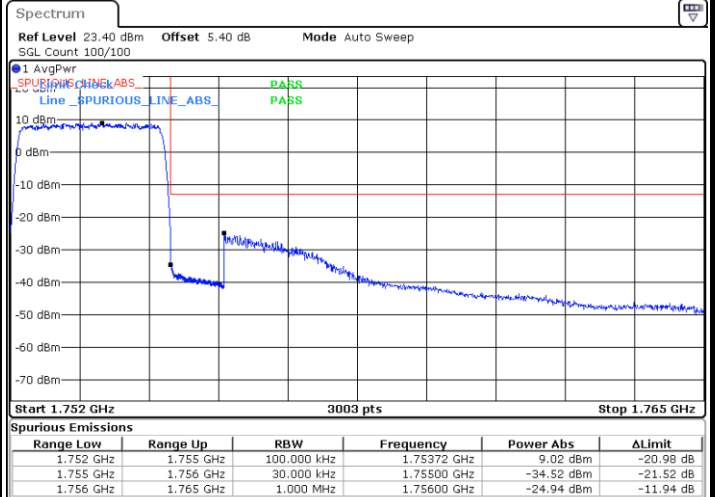
Date: 6 MAR 2021 11:40:34

Lowest Band Edge / Full RB



Date: 6 MAR 2021 11:38:03

Highest Band Edge / Full RB

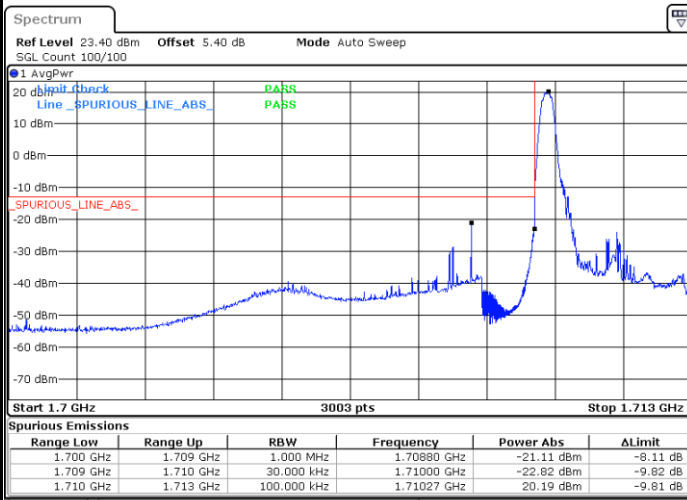


Date: 6 MAR 2021 11:42:54



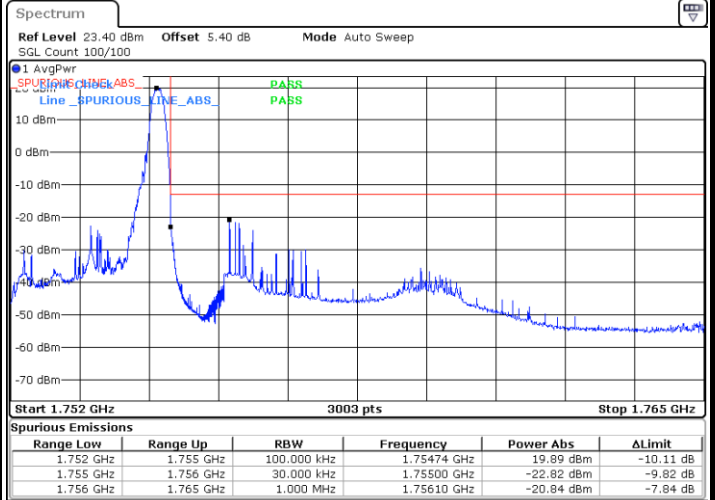
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



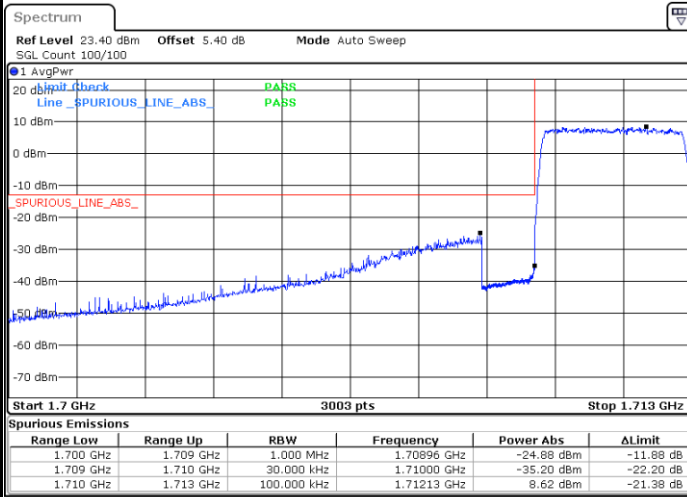
Date: 6 MAR 2021 11:36:00

Highest Band Edge / 1 RB



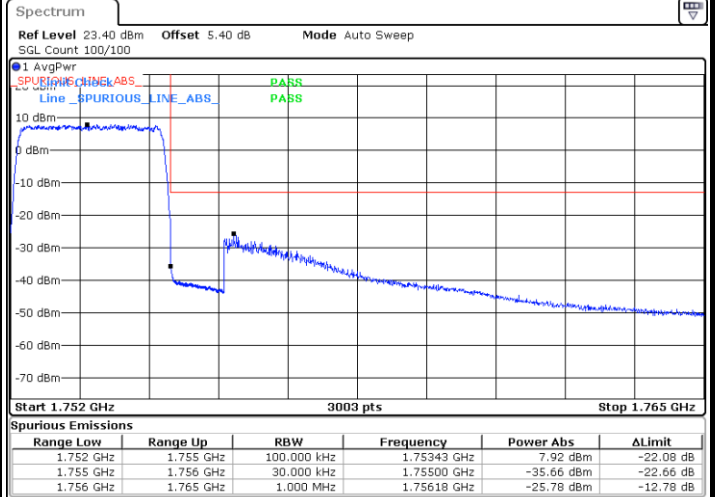
Date: 6 MAR 2021 11:41:16

Lowest Band Edge / Full RB



Date: 6 MAR 2021 11:38:44

Highest Band Edge / Full RB

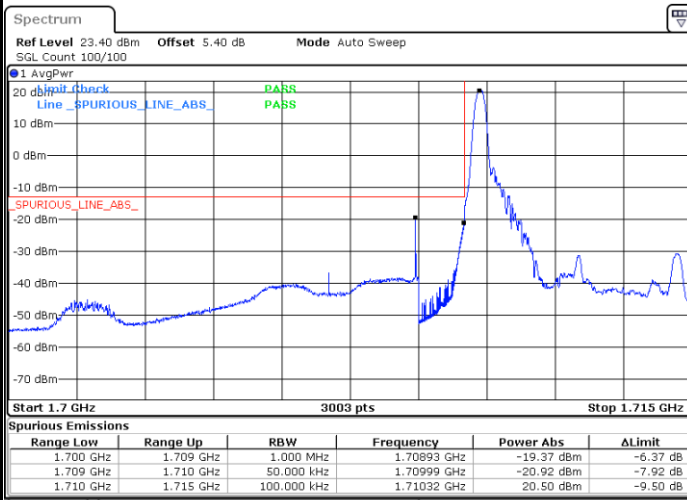


Date: 6 MAR 2021 11:43:29



LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



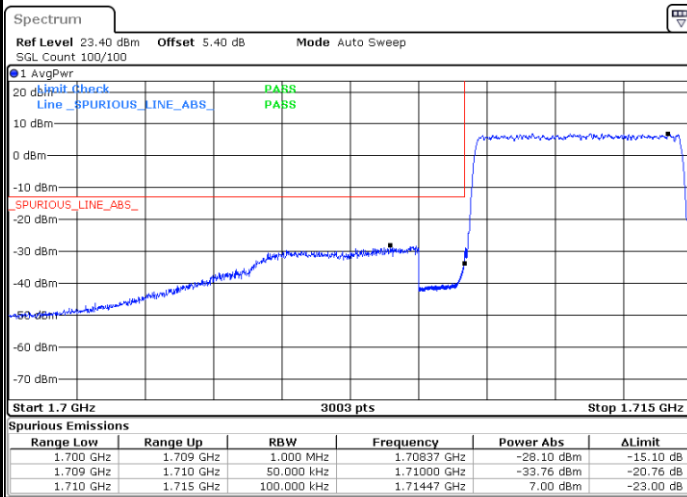
Date: 6 MAR 2021 11:47:42

Highest Band Edge / 1 RB



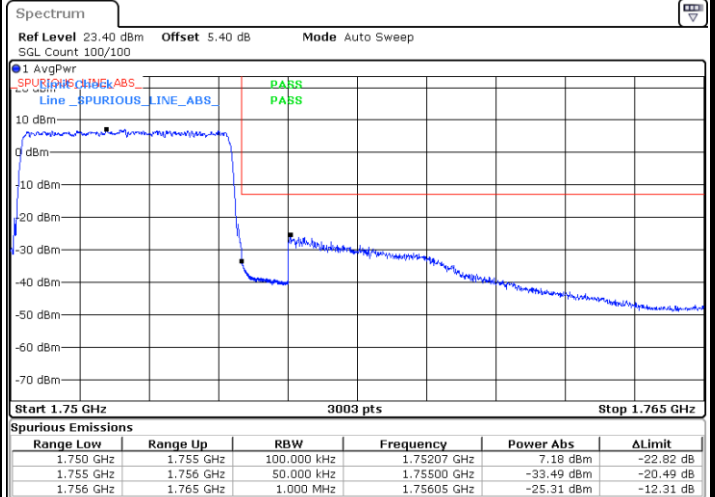
Date: 6 MAR 2021 11:54:07

Lowest Band Edge / Full RB



Date: 6 MAR 2021 11:50:08

Highest Band Edge / Full RB

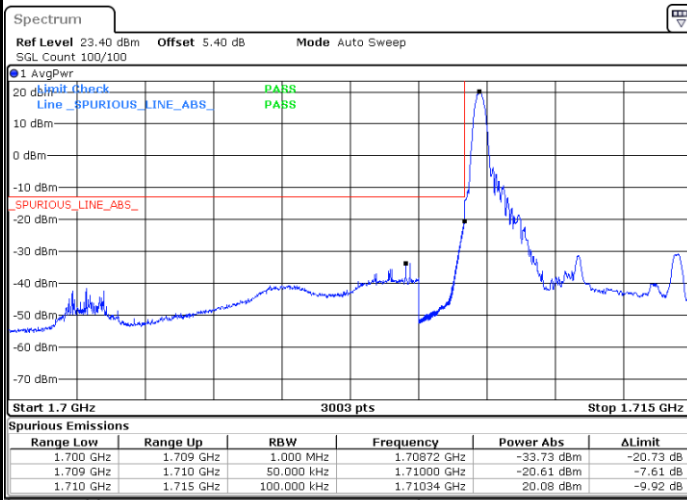


Date: 6 MAR 2021 11:52:40



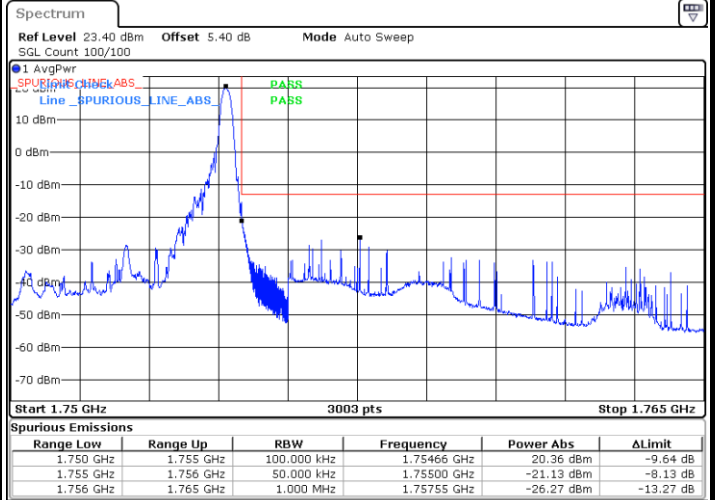
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



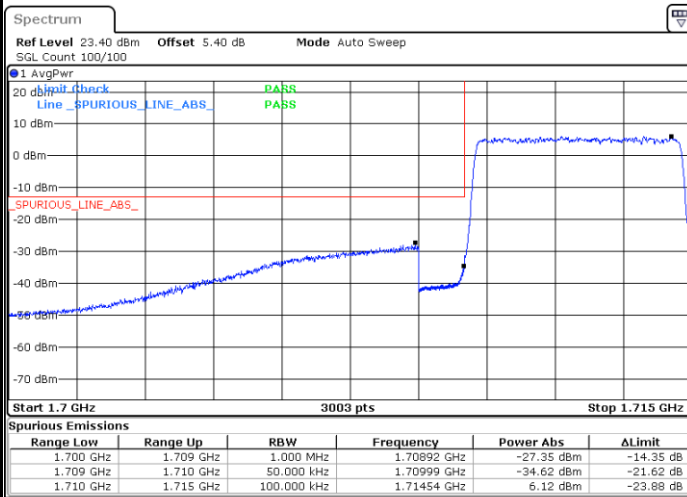
Date: 6 MAR 2021 11:48:12

Highest Band Edge / 1 RB



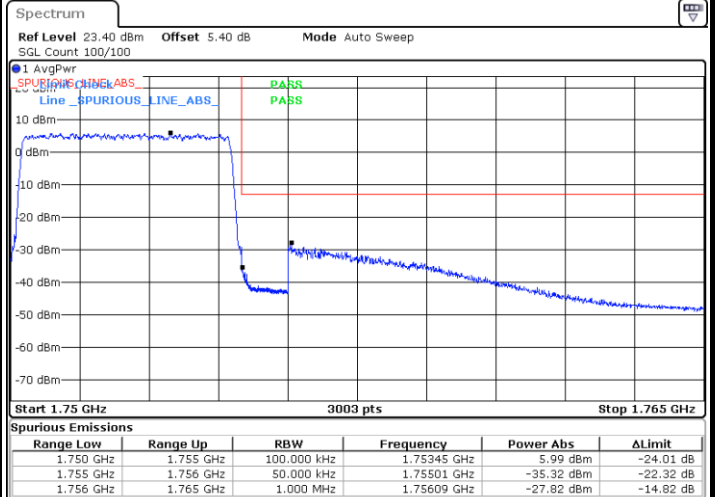
Date: 6 MAR 2021 11:54:27

Lowest Band Edge / Full RB



Date: 6 MAR 2021 11:50:37

Highest Band Edge / Full RB

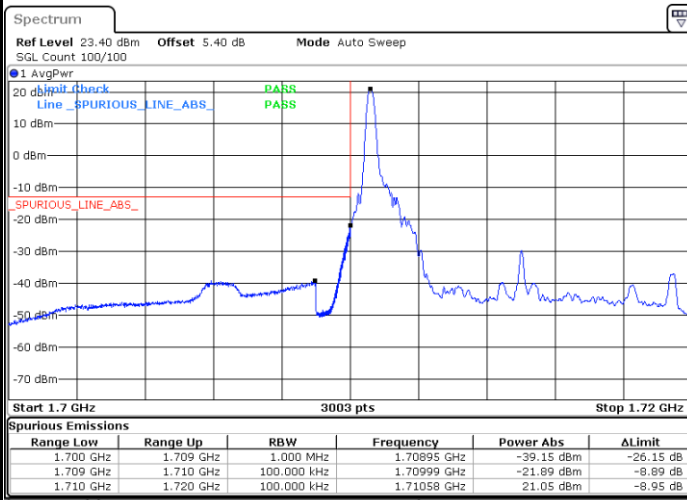


Date: 6 MAR 2021 11:53:03



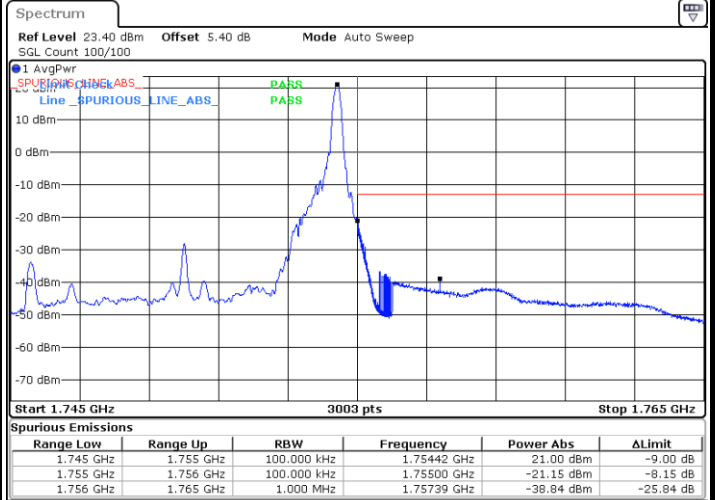
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



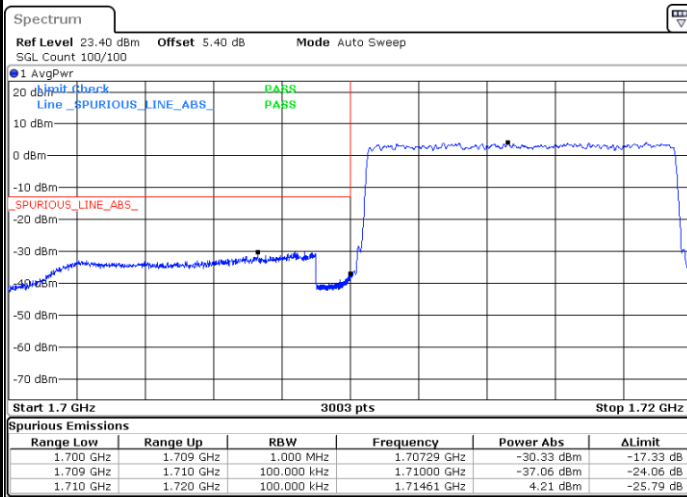
Date: 6 MAR 2021 11:58:42

Highest Band Edge / 1 RB



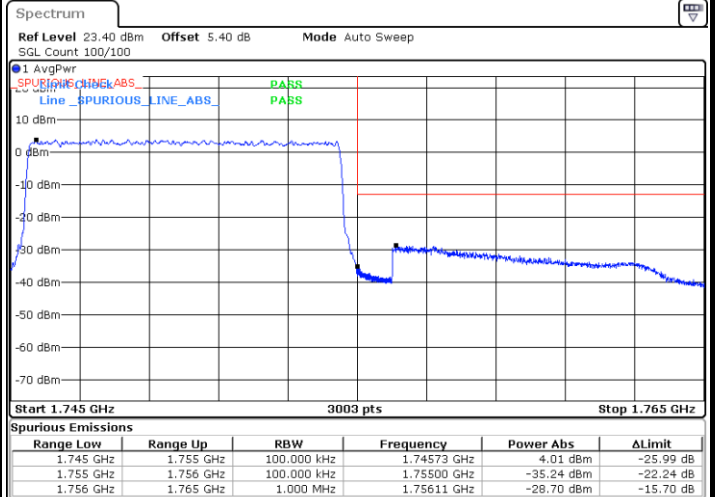
Date: 6 MAR 2021 12:01:09

Lowest Band Edge / Full RB



Date: 6 MAR 2021 11:59:41

Highest Band Edge / Full RB

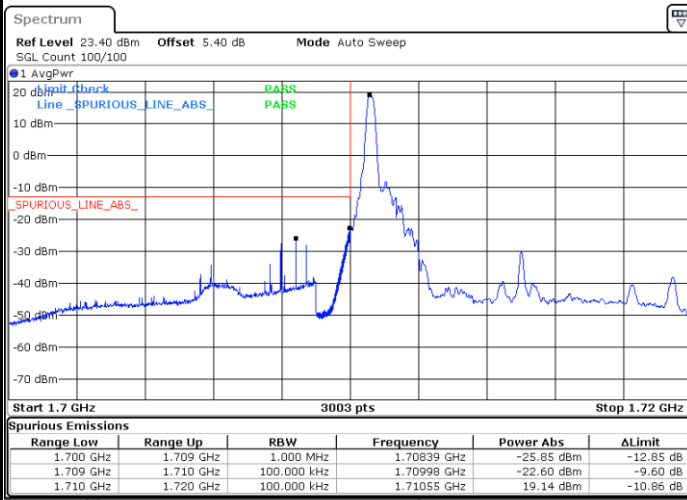


Date: 6 MAR 2021 12:02:48



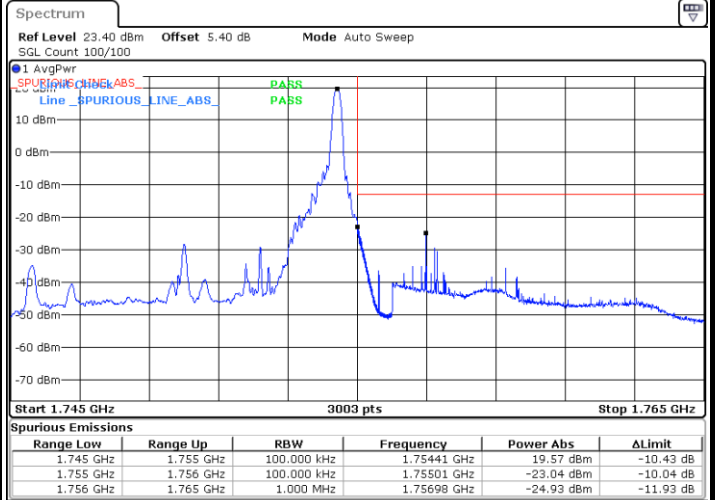
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



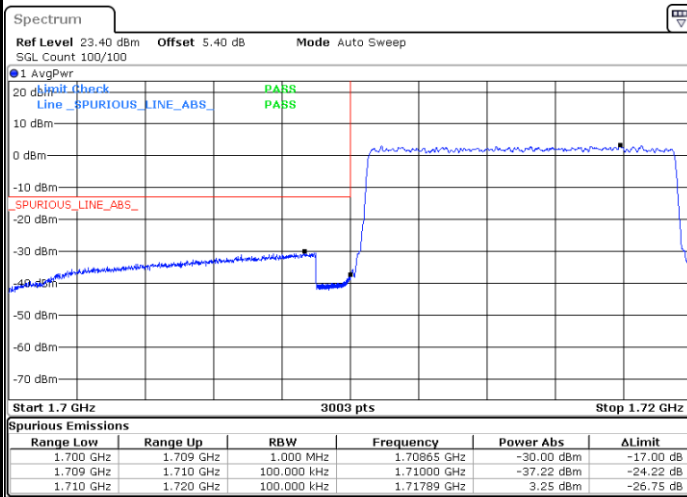
Date: 6 MAR 2021 11:58:57

Highest Band Edge / 1 RB



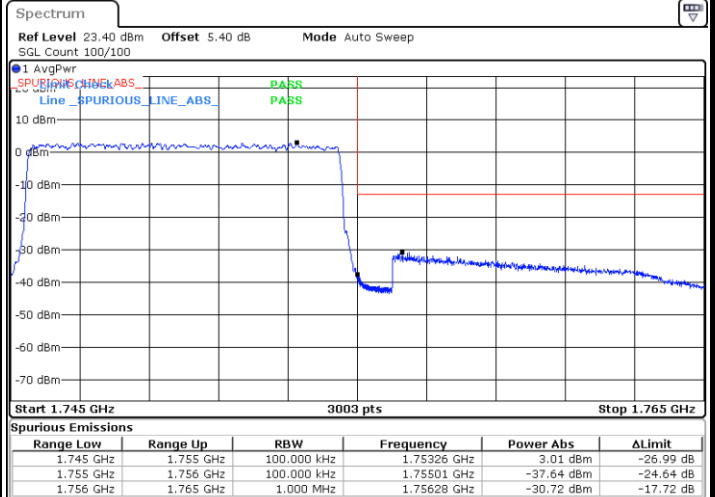
Date: 6 MAR 2021 12:01:32

Lowest Band Edge / Full RB



Date: 6 MAR 2021 12:00:04

Highest Band Edge / Full RB

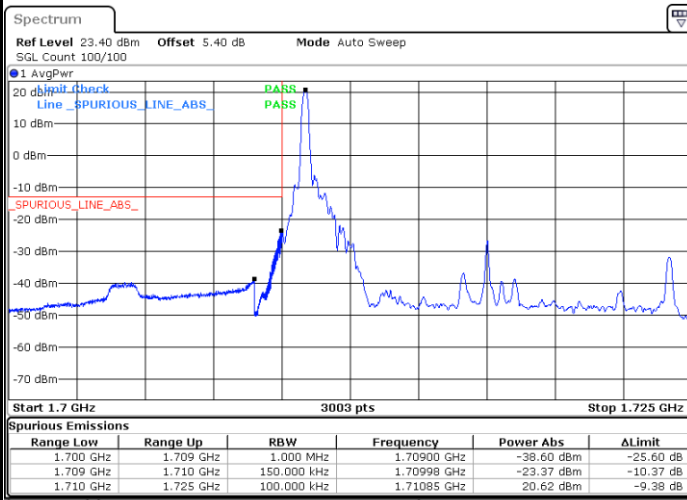


Date: 6 MAR 2021 12:03:03



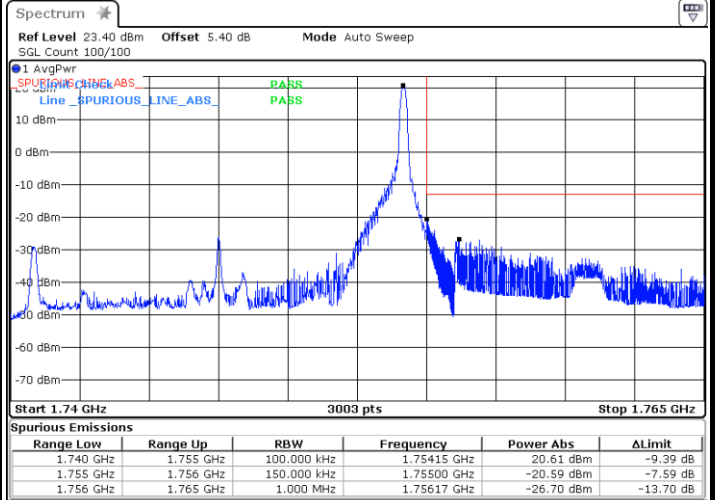
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



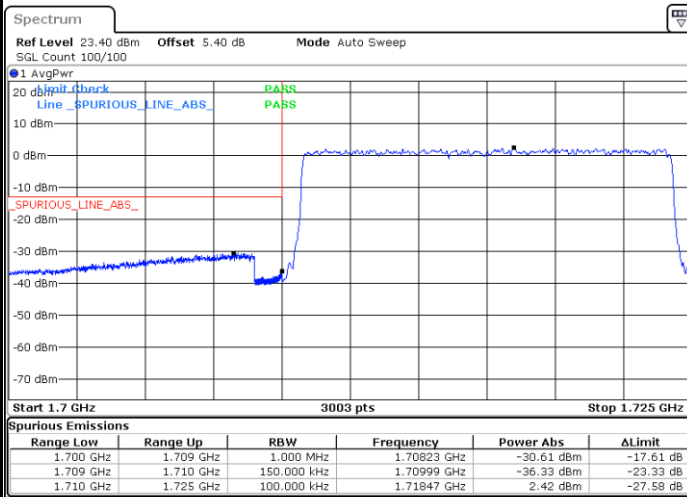
Date: 6 MAR 2021 12:08:38

Highest Band Edge / 1 RB



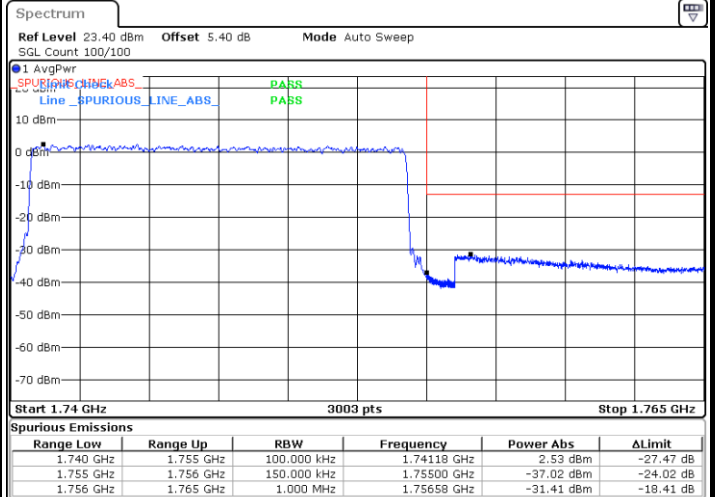
Date: 6 MAR 2021 12:13:16

Lowest Band Edge / Full RB



Date: 6 MAR 2021 12:10:22

Highest Band Edge / Full RB

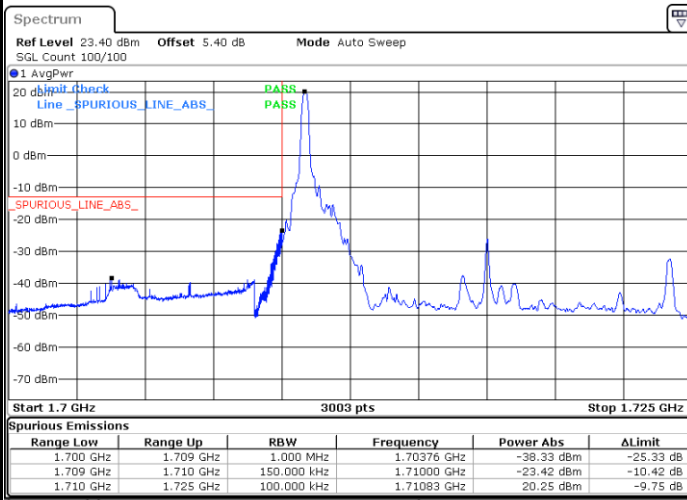


Date: 6 MAR 2021 12:10:50



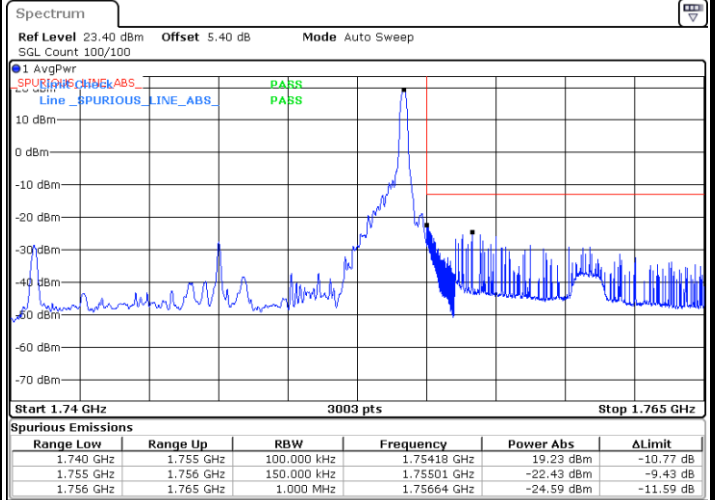
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



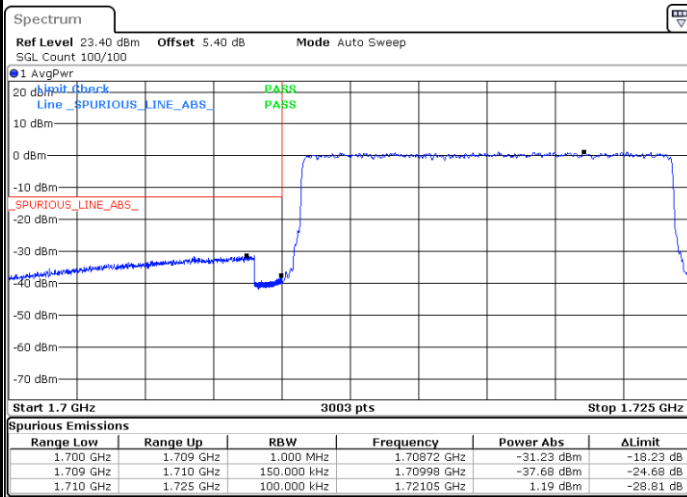
Date: 6 MAR 2021 12:09:02

Highest Band Edge / 1 RB



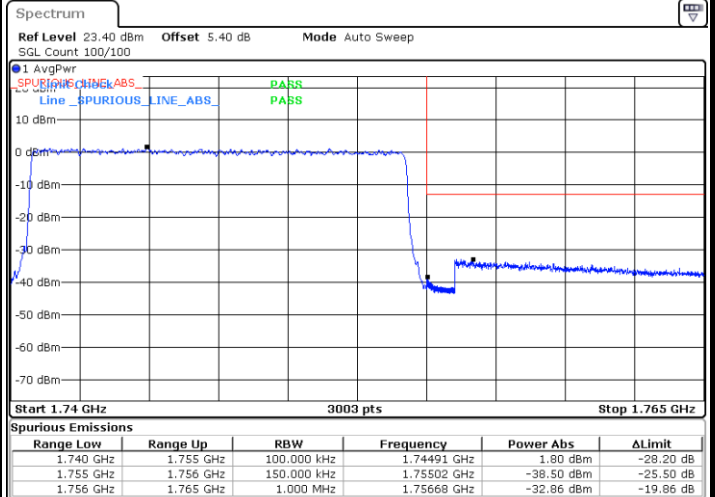
Date: 6 MAR 2021 12:12:30

Lowest Band Edge / Full RB



Date: 6 MAR 2021 12:10:11

Highest Band Edge / Full RB

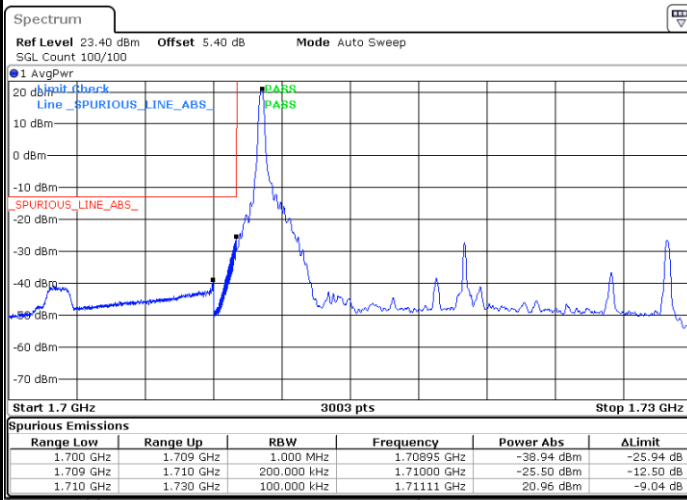


Date: 6 MAR 2021 12:11:10



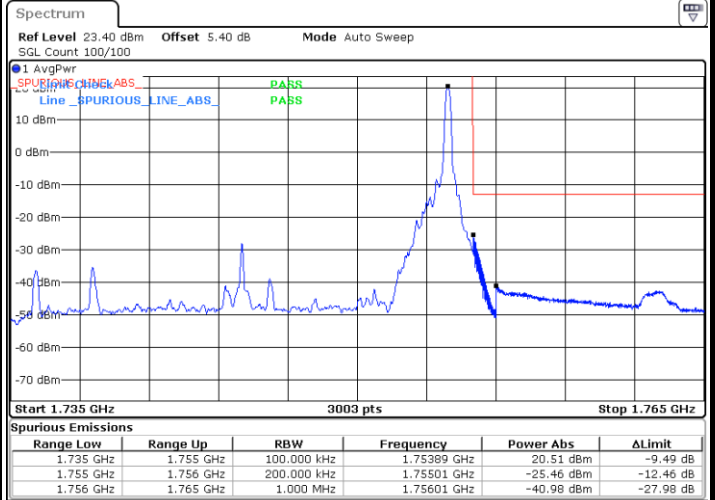
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



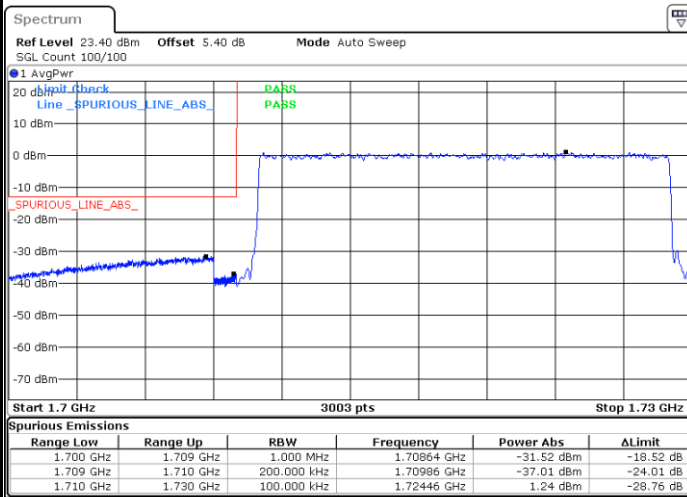
Date: 6 MAR 2021 12:18:42

Highest Band Edge / 1 RB



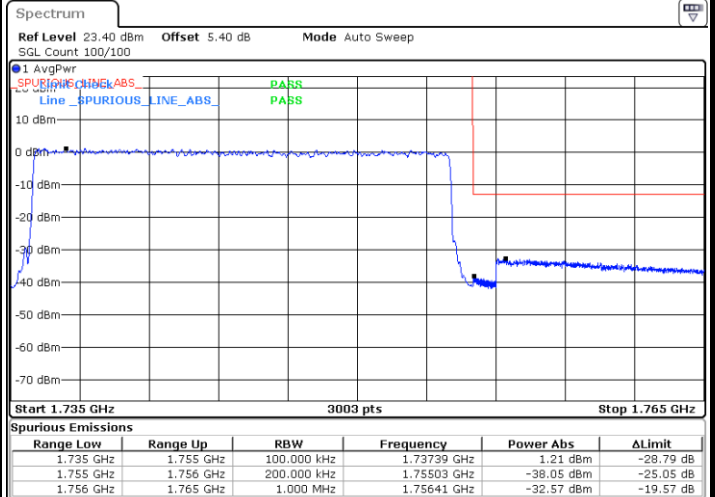
Date: 6 MAR 2021 12:22:51

Lowest Band Edge / Full RB



Date: 6 MAR 2021 12:20:53

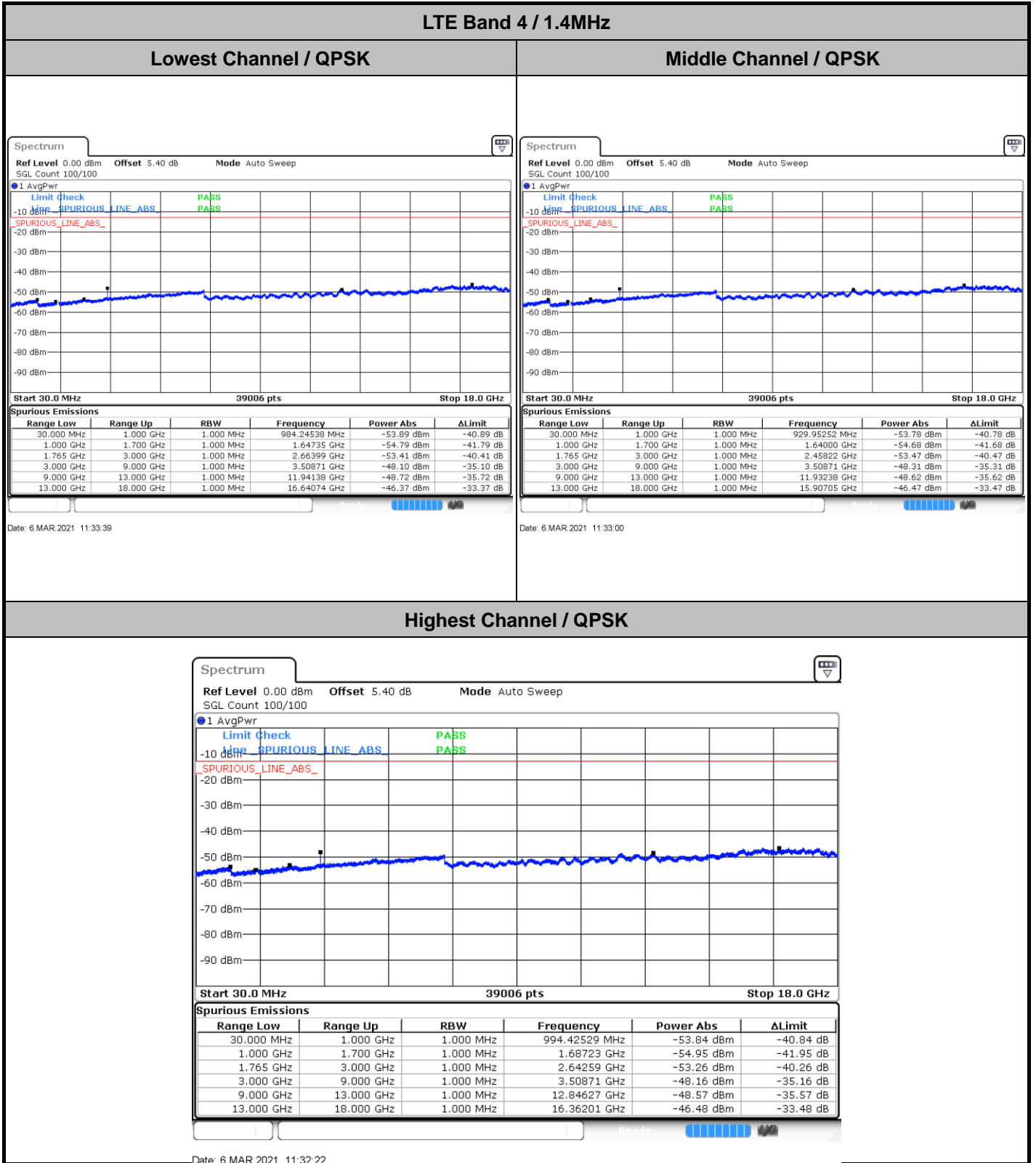
Highest Band Edge / Full RB



Date: 6 MAR 2021 12:21:19



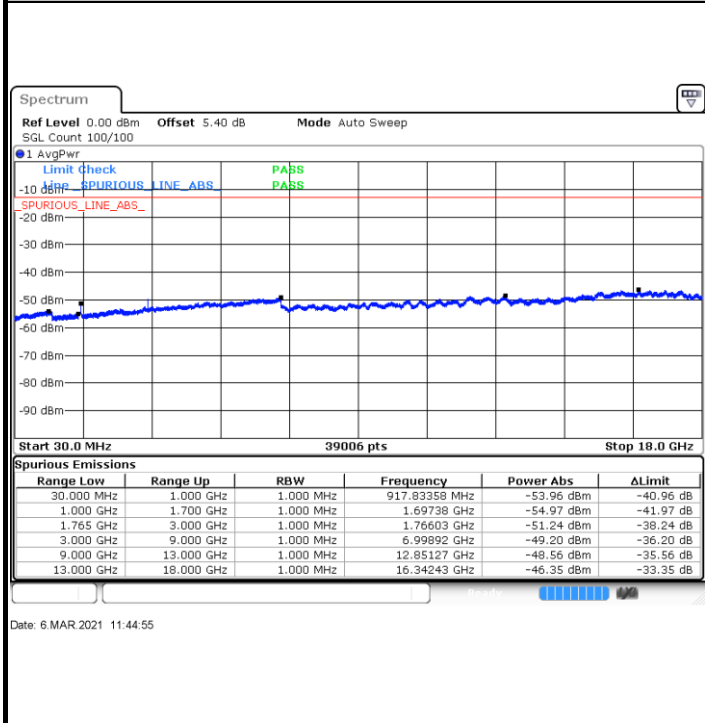
Conducted Spurious Emission



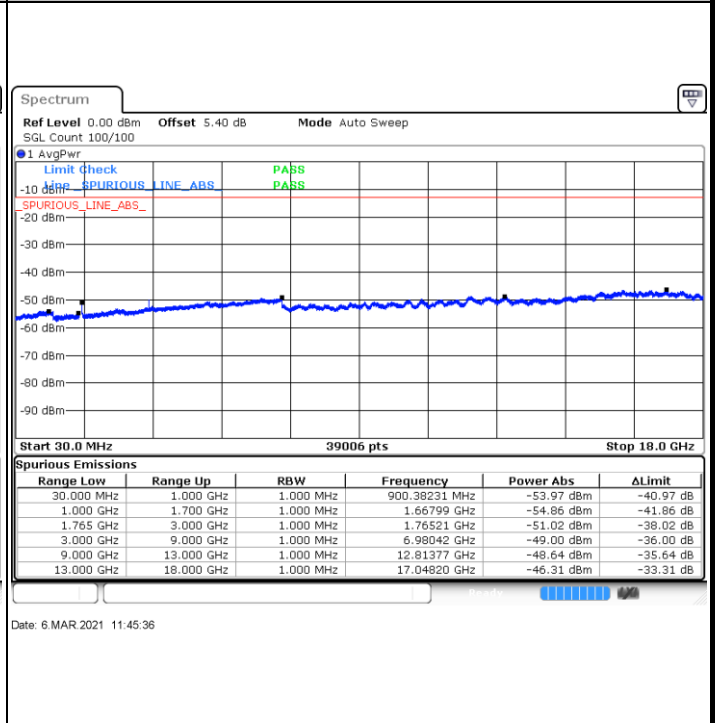


LTE Band 4 / 3MHz

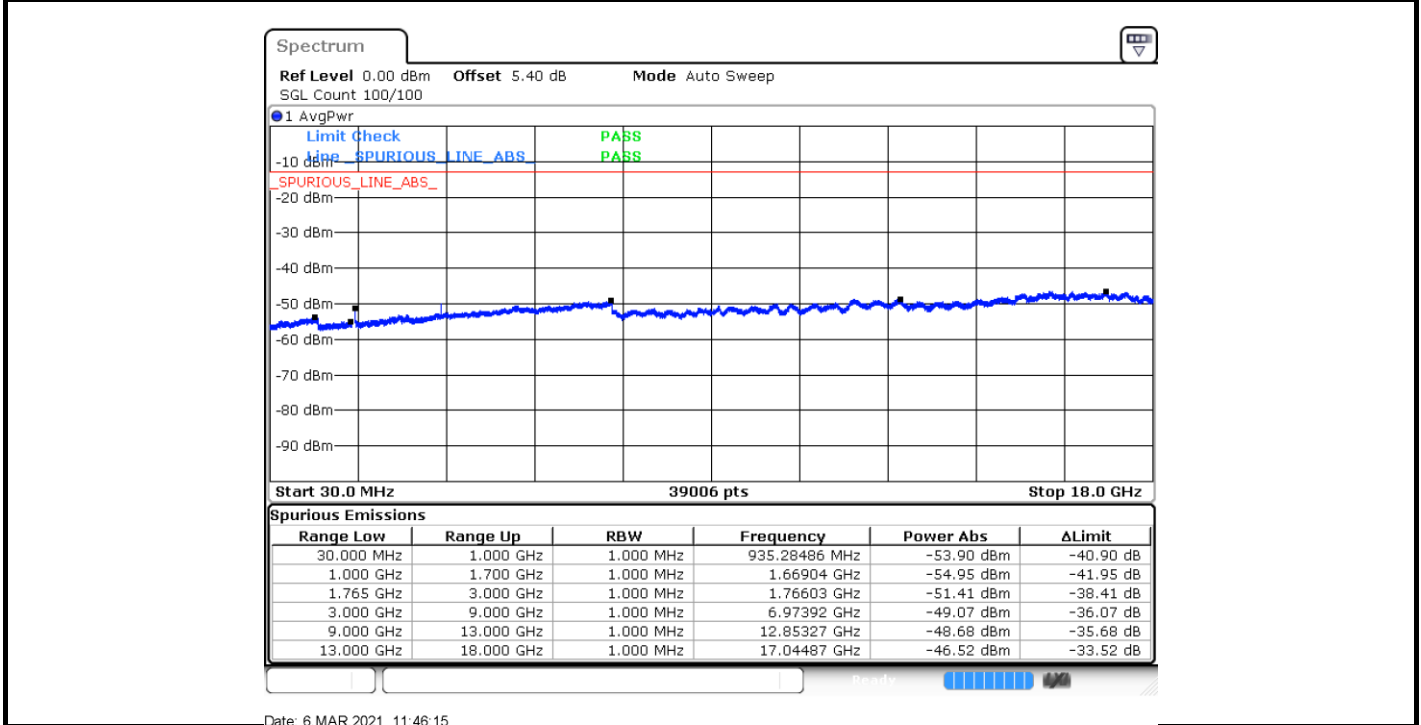
Lowest Channel / QPSK



Middle Channel / QPSK



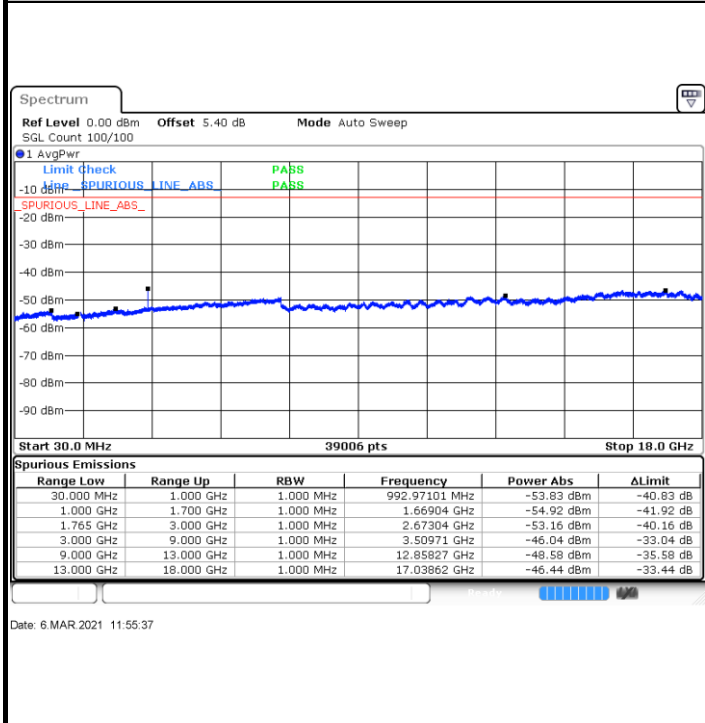
Highest Channel / QPSK



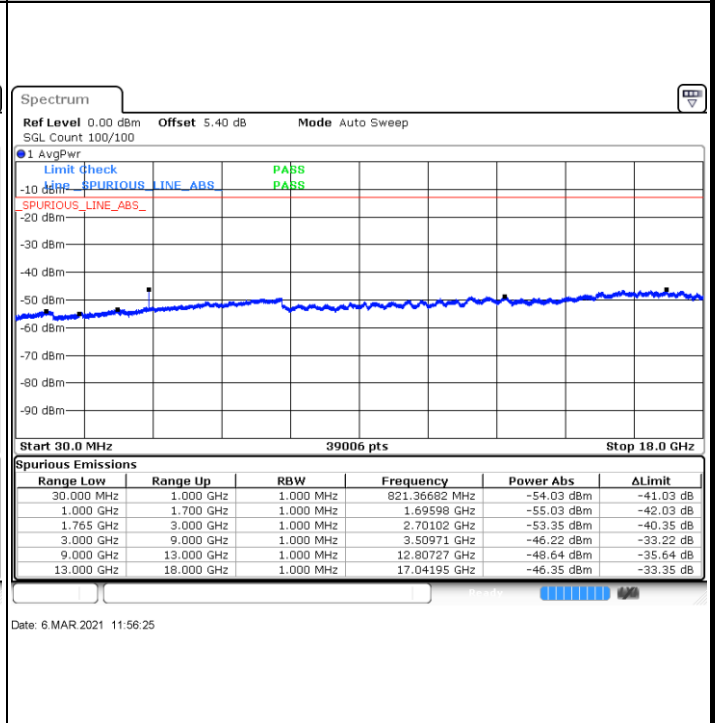


LTE Band 4 / 5MHz

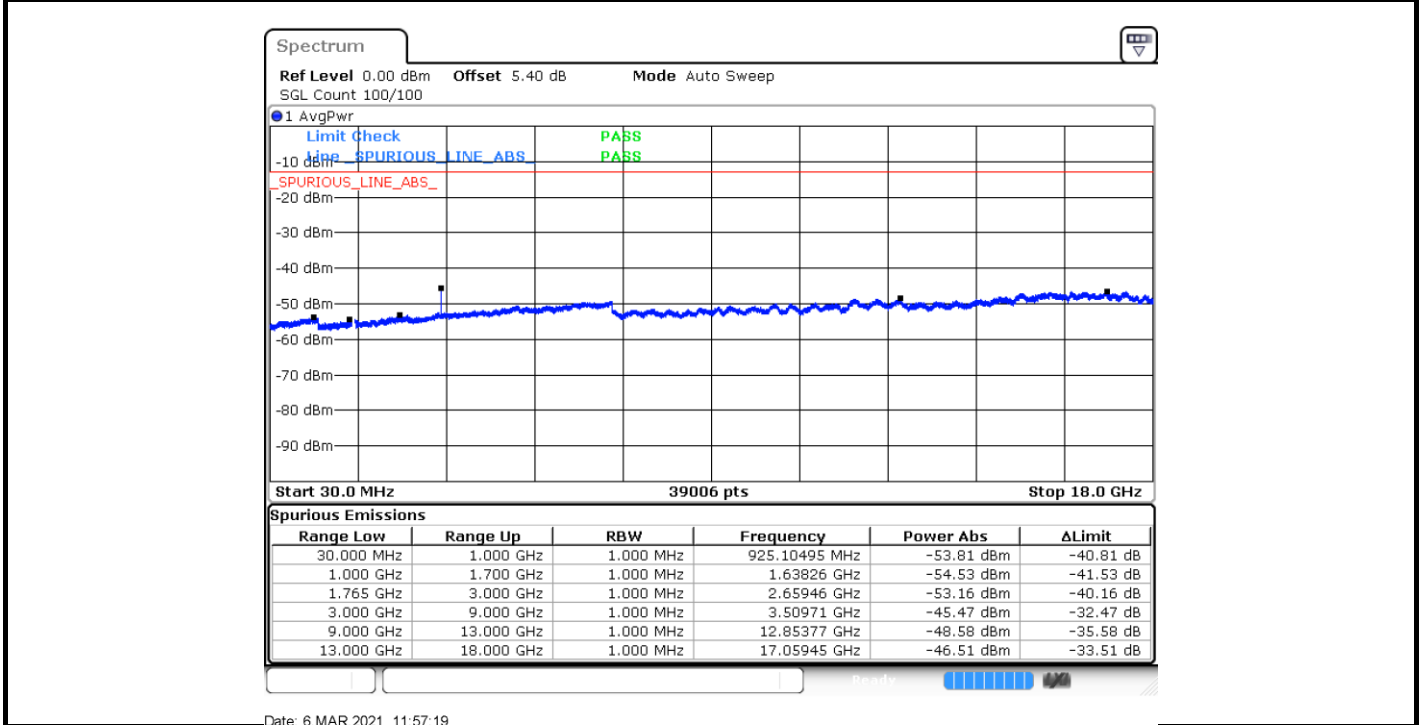
Lowest Channel / QPSK



Middle Channel / QPSK



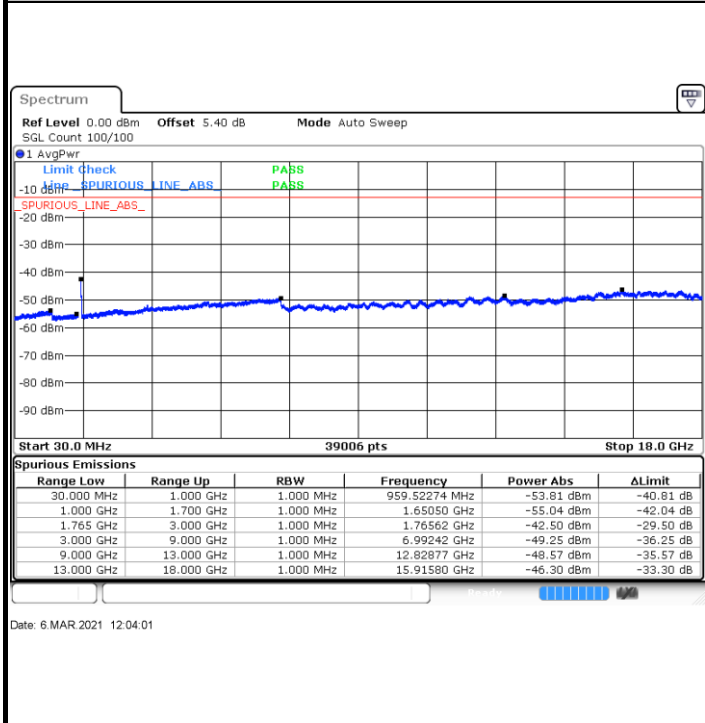
Highest Channel / QPSK



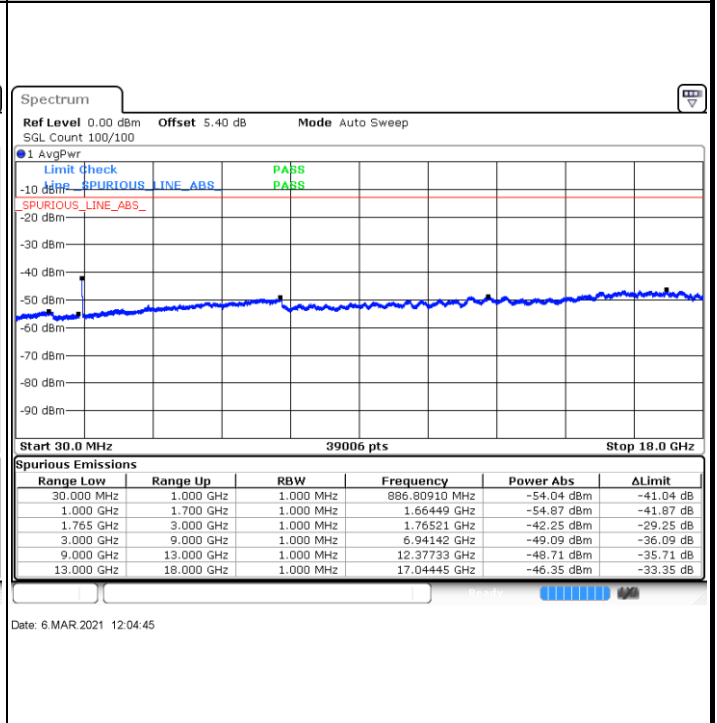


LTE Band 4 / 10MHz

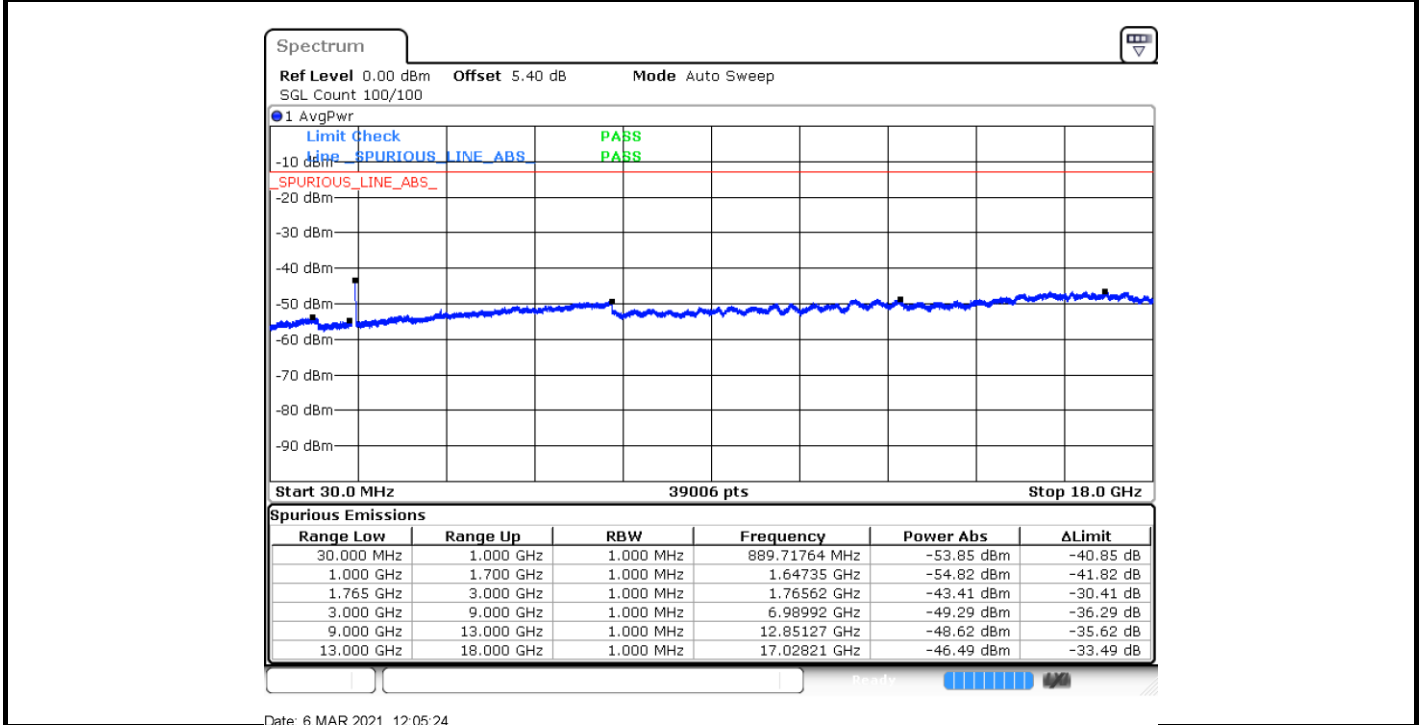
Lowest Channel / QPSK



Middle Channel / QPSK



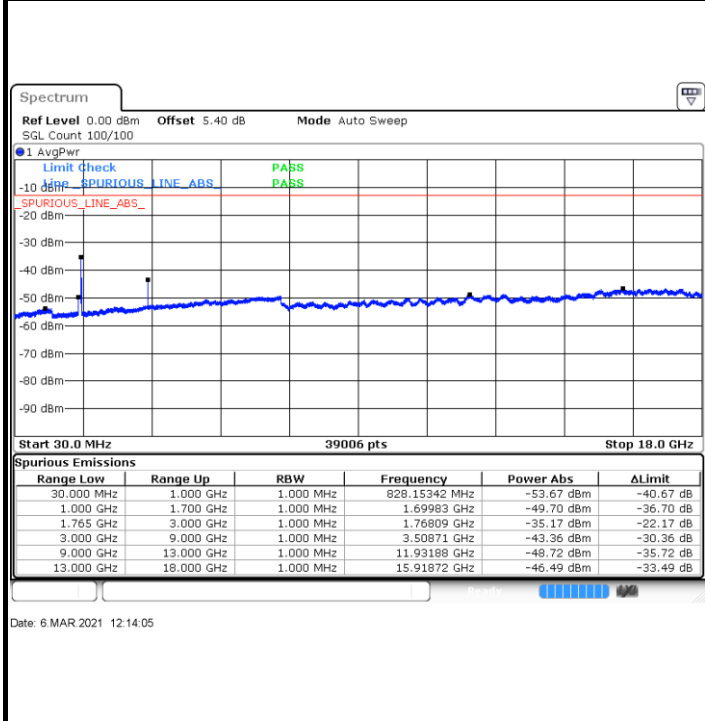
Highest Channel / QPSK



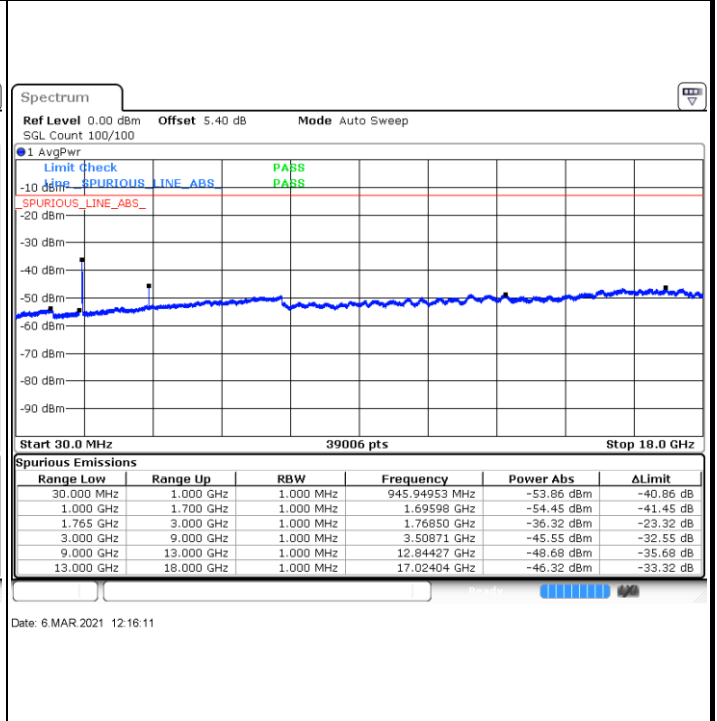


LTE Band 4 / 15MHz

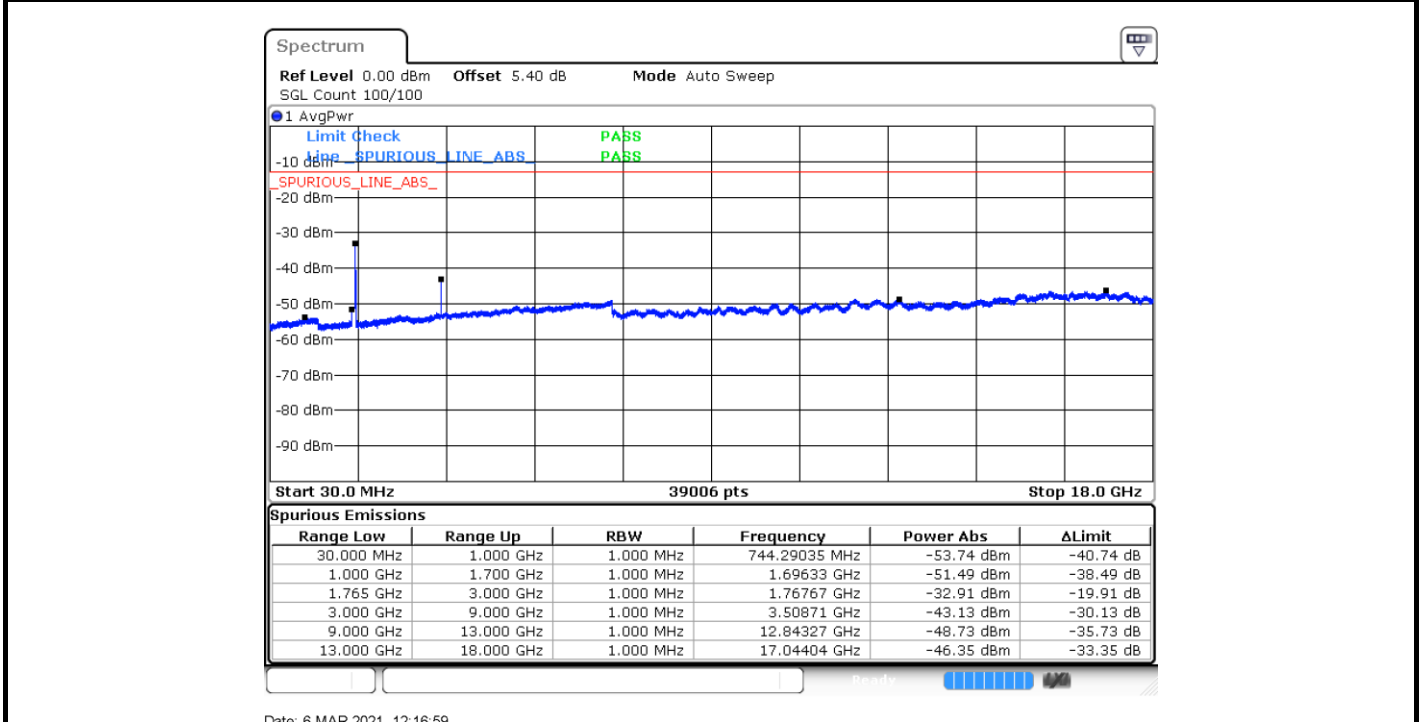
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

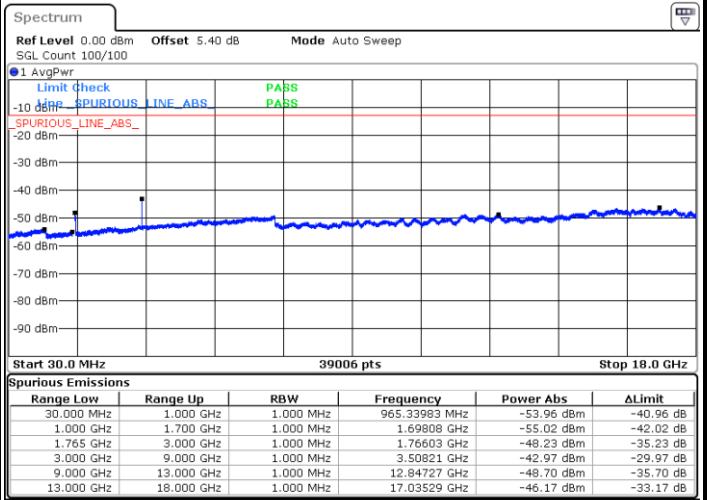
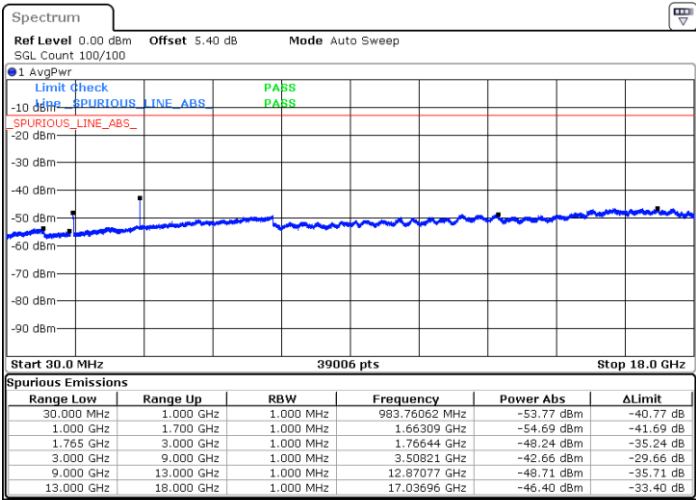




LTE Band 4 / 20MHz

Lowest Channel / QPSK

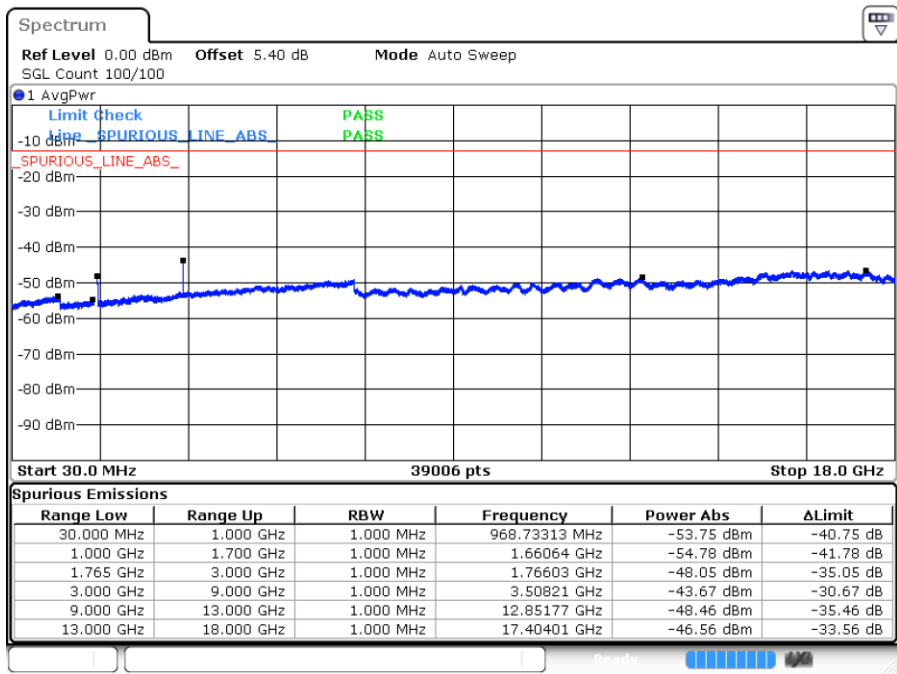
Middle Channel / QPSK



Date: 6 MAR 2021 12:23:39

Date: 6 MAR 2021 12:24:26

Highest Channel / QPSK



Date: 6 MAR 2021 12:25:52



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

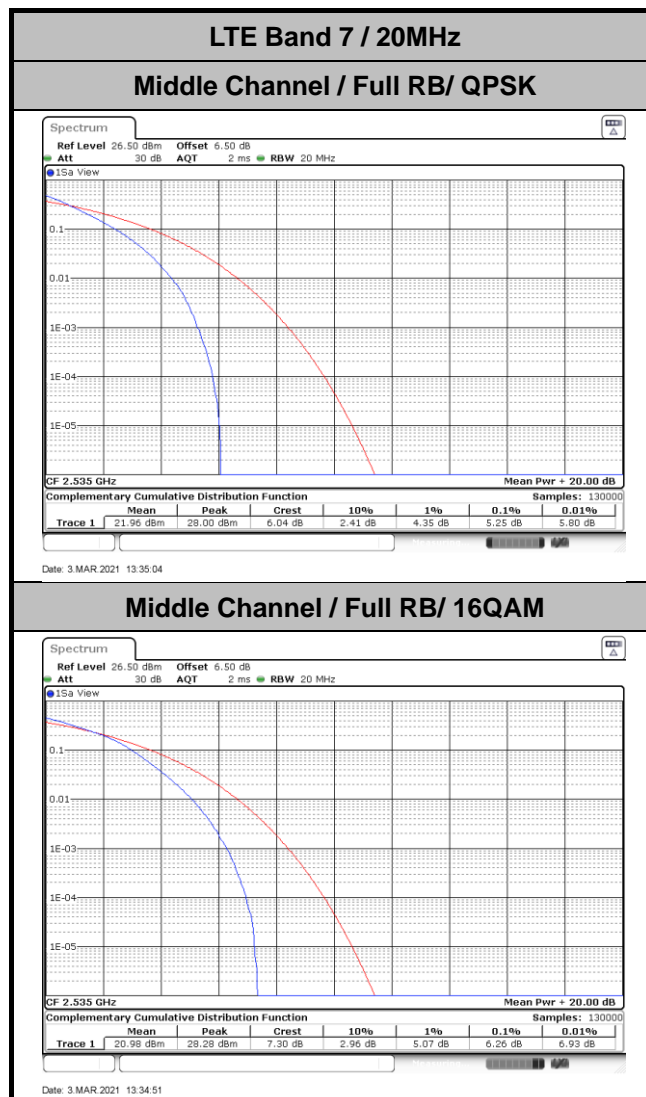
1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.43 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

Peak-to-Average Ratio

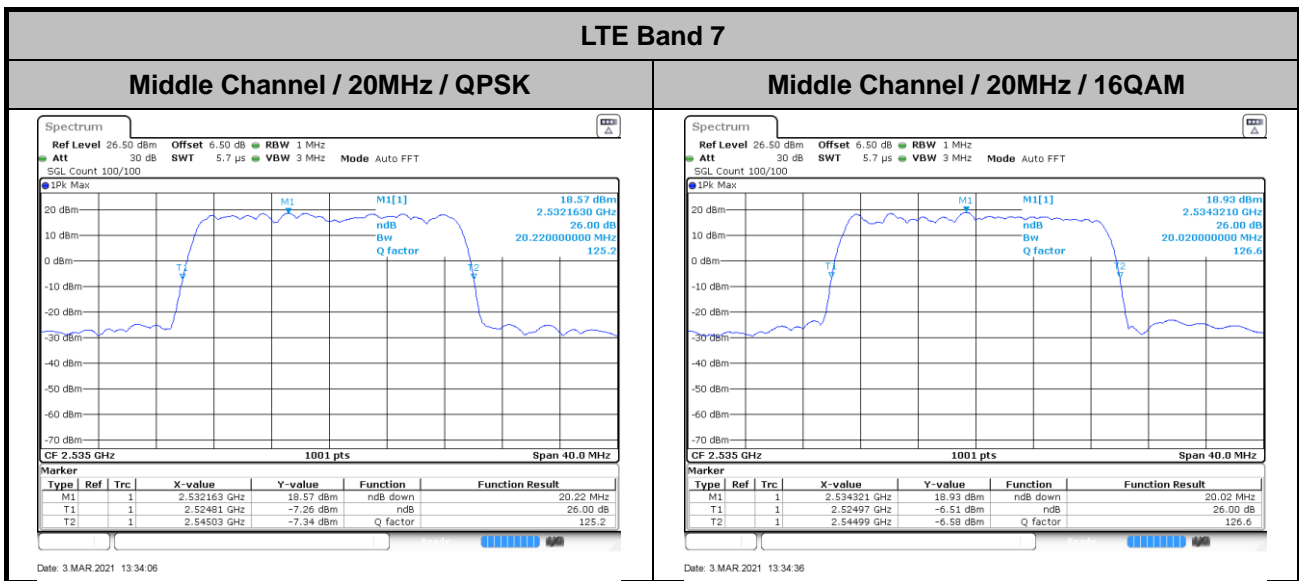
Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	-	Limit: 13dB
RB Size	Full RB	Full RB	-	Result
Middle CH	5.25	6.26	-	PASS





26dB Bandwidth

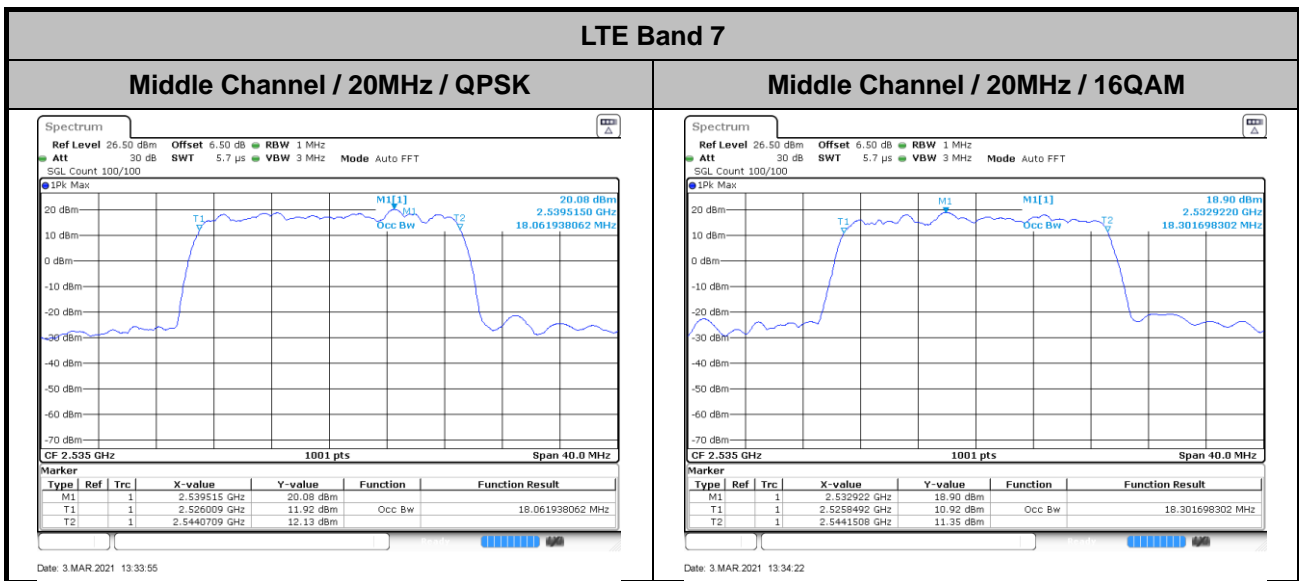
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.22	20.02





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.06	18.30

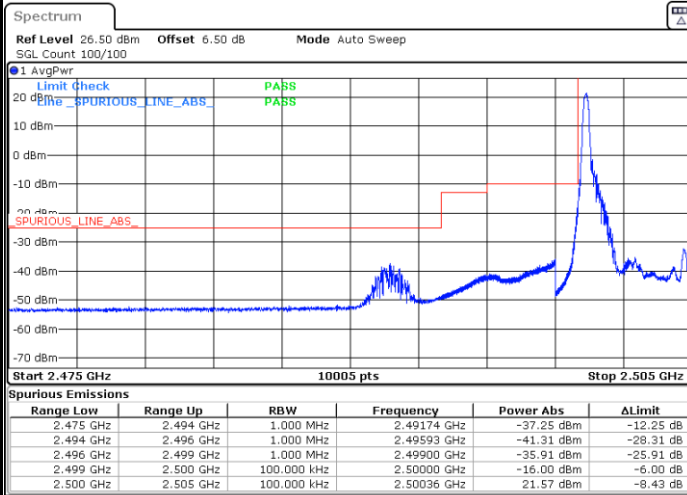




Conducted Band Edge

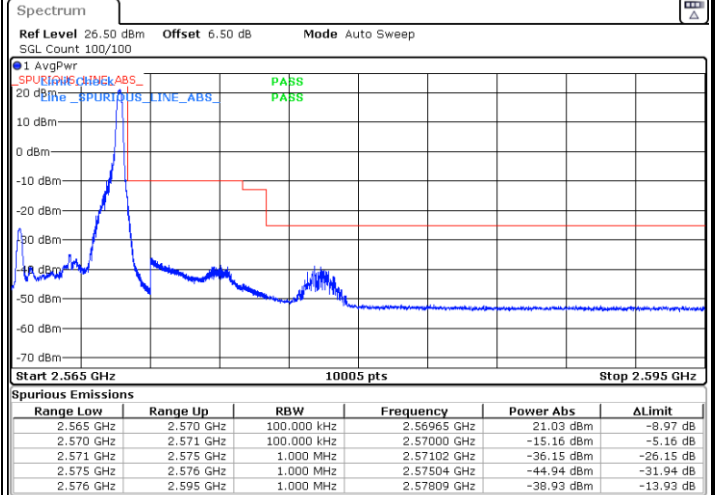
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



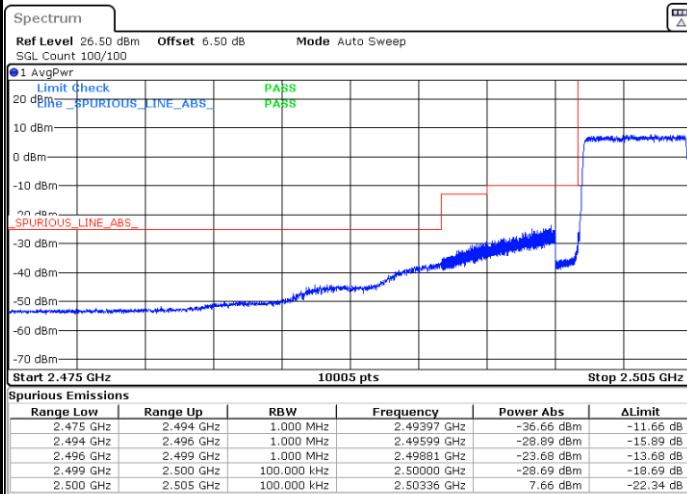
Date: 3 MAR 2021 11:22:19

Highest Band Edge / 1 RB



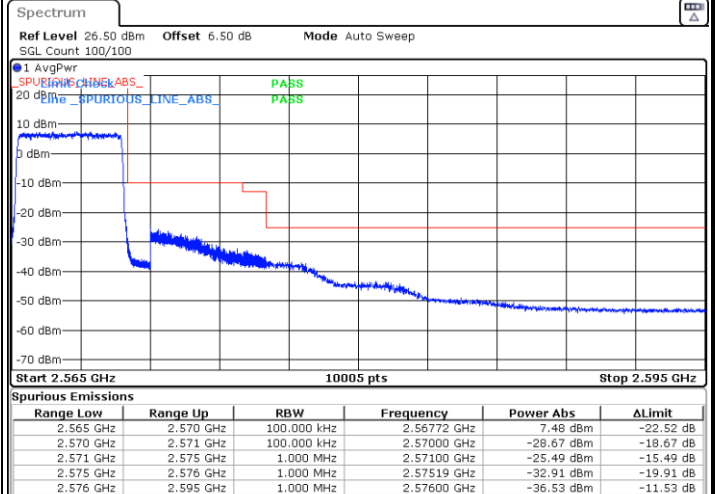
Date: 3 MAR 2021 11:30:17

Lowest Band Edge / Full RB



Date: 3 MAR 2021 11:25:45

Highest Band Edge / Full RB

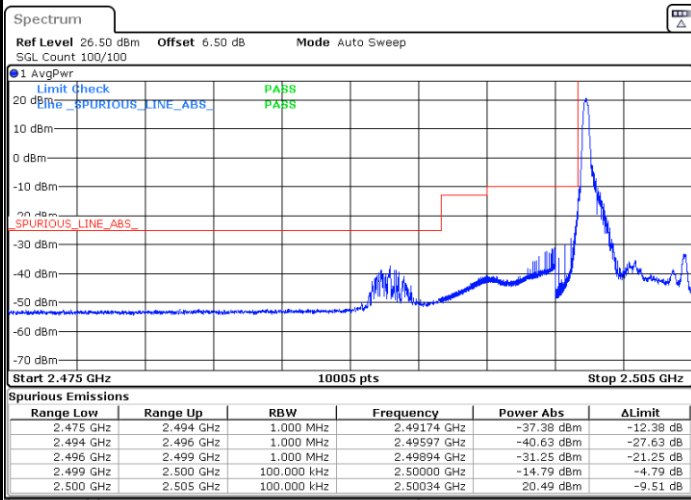


Date: 3 MAR 2021 11:26:53



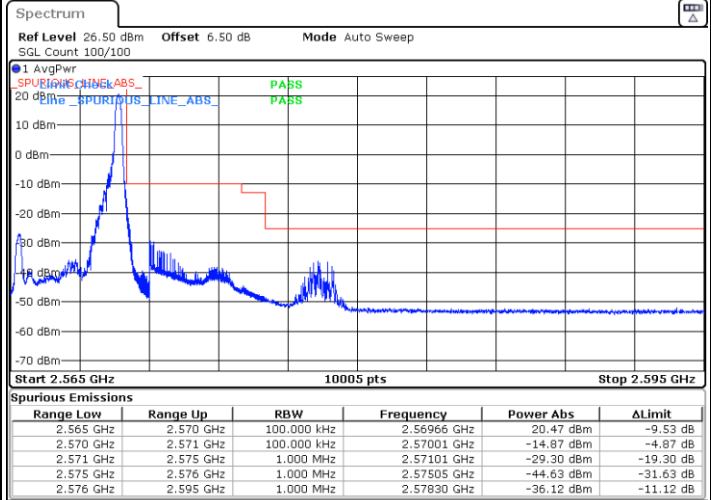
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



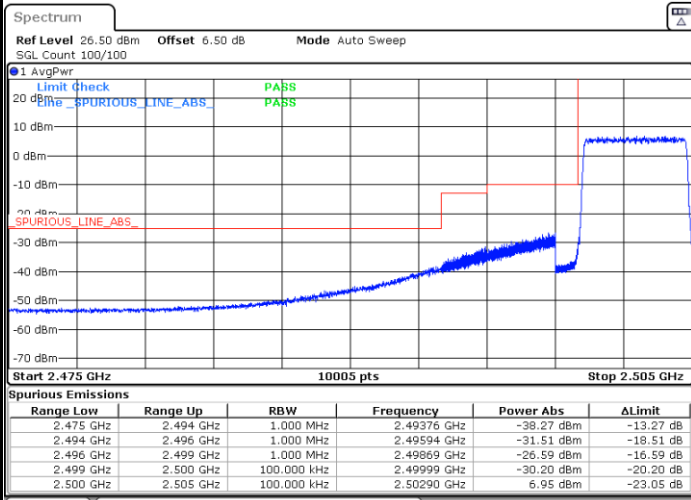
Date: 3.MAR.2021 11:23:28

Highest Band Edge / 1 RB



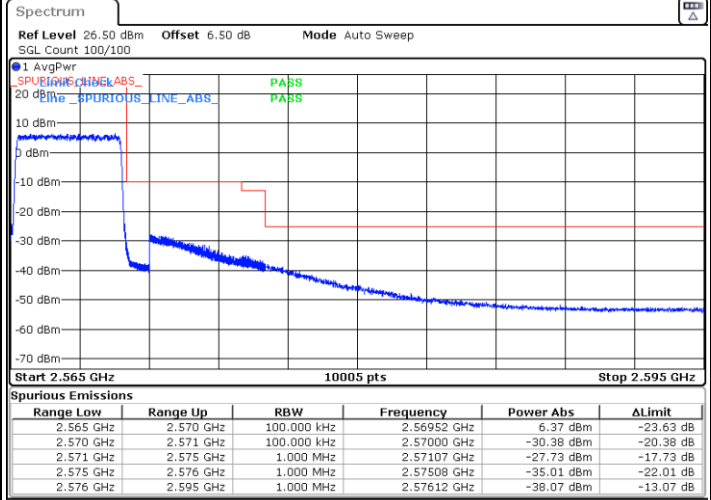
Date: 3.MAR.2021 11:29:09

Lowest Band Edge / Full RB



Date: 3.MAR.2021 11:24:36

Highest Band Edge / Full RB

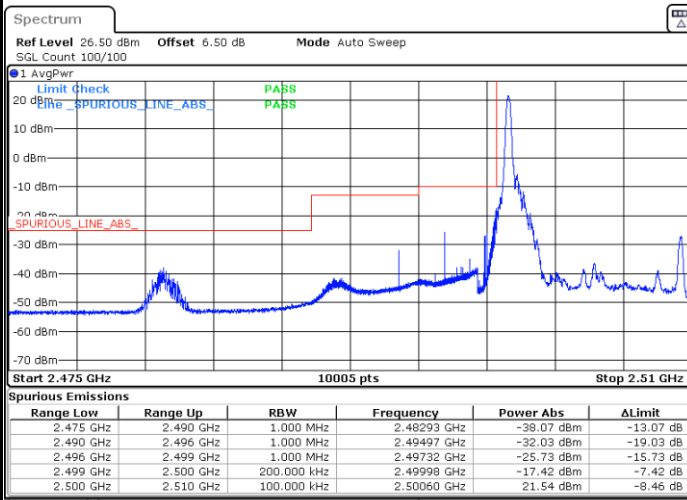


Date: 3.MAR.2021 11:28:01



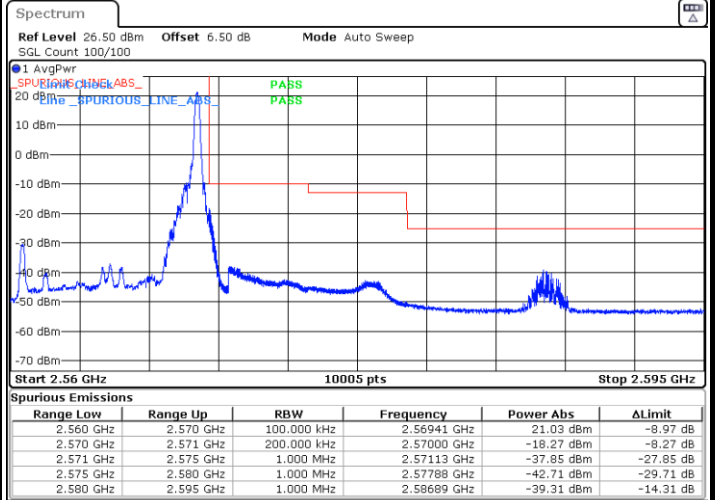
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



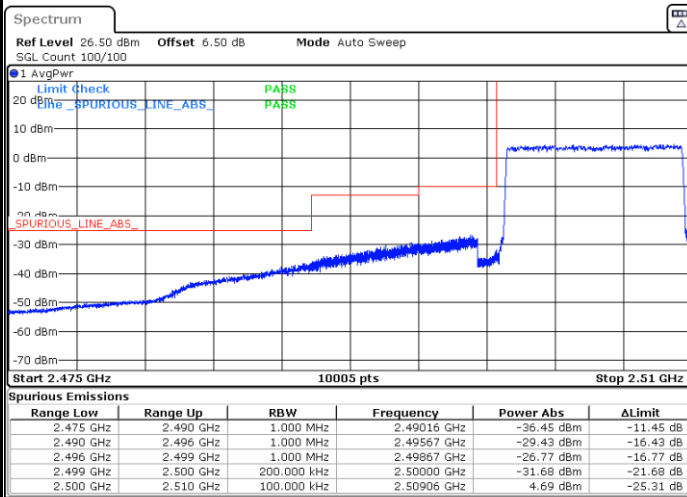
Date: 3.MAR.2021 11:31:25

Highest Band Edge / 1 RB



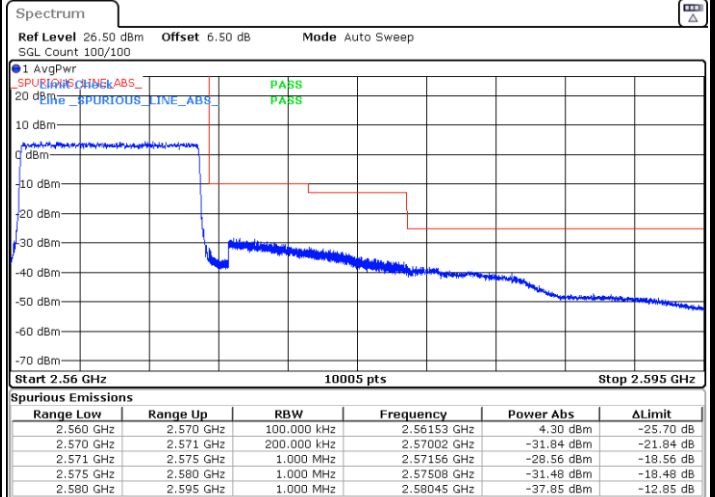
Date: 3.MAR.2021 11:39:22

Lowest Band Edge / Full RB



Date: 3.MAR.2021 11:34:50

Highest Band Edge / Full RB



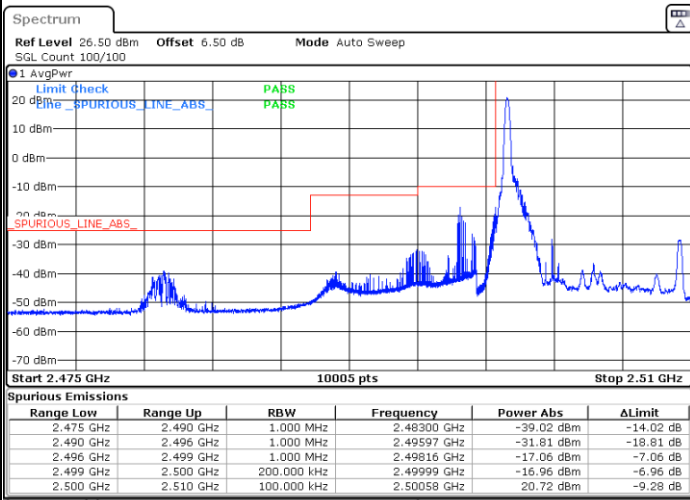
Date: 3.MAR.2021 11:35:58



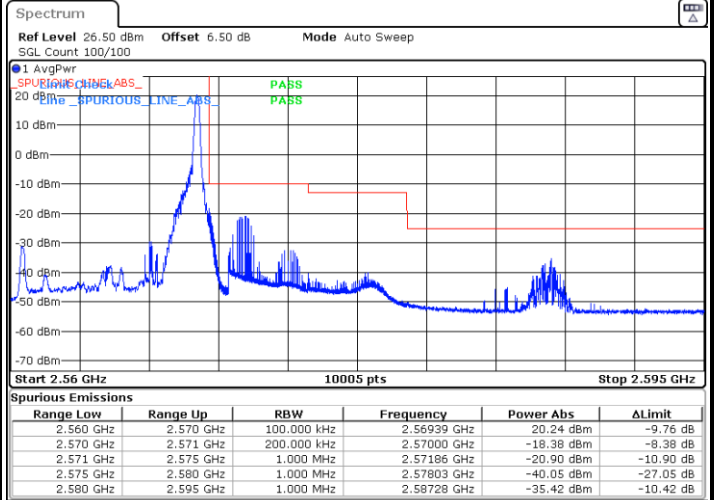
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



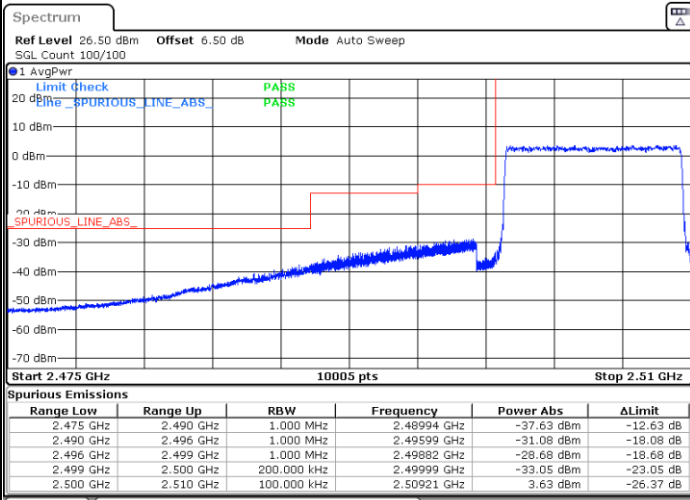
Date: 3.MAR.2021 11:32:33



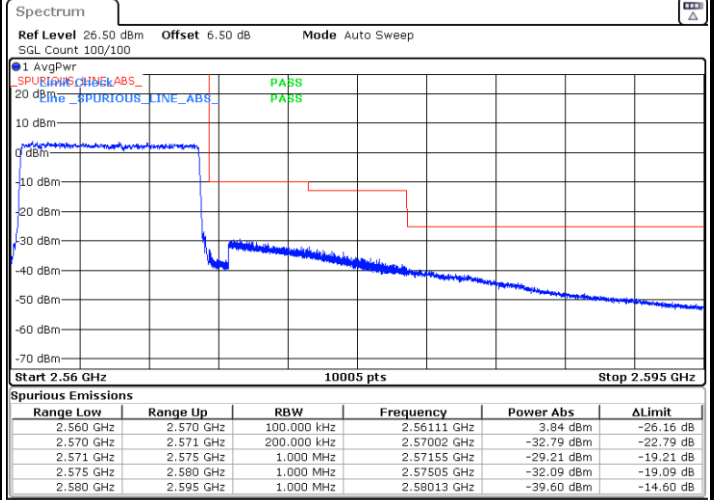
Date: 3.MAR.2021 11:38:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.MAR.2021 11:33:42

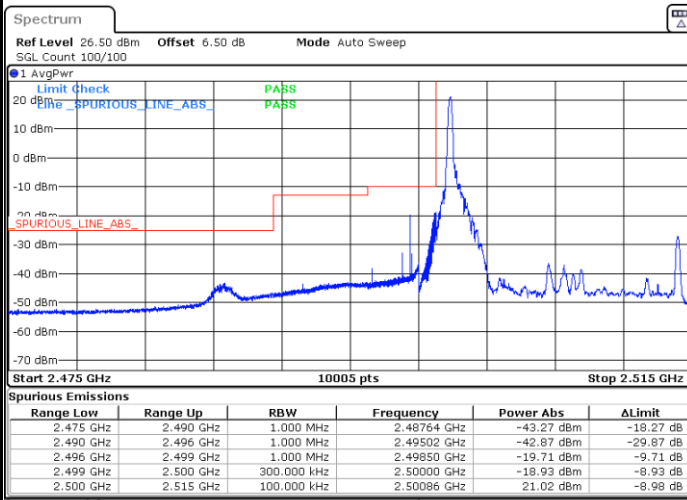


Date: 3.MAR.2021 11:37:06



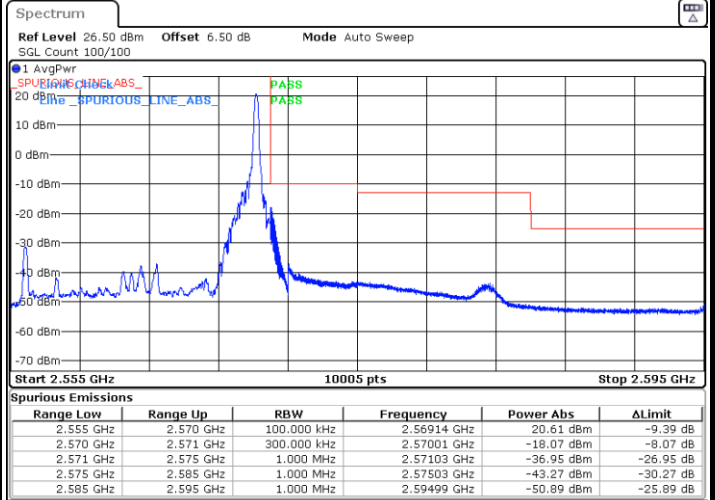
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



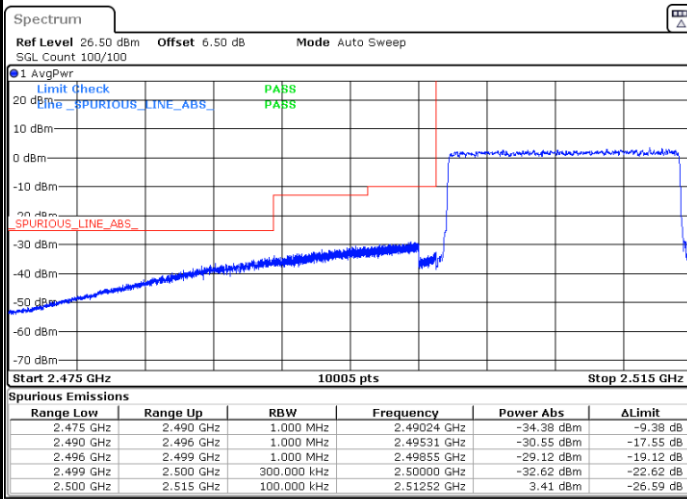
Date: 3.MAR.2021 11:40:30

Highest Band Edge / 1 RB



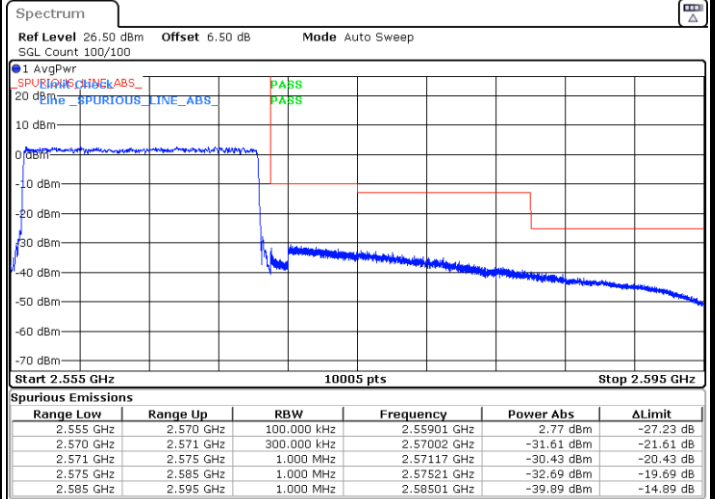
Date: 3.MAR.2021 11:48:28

Lowest Band Edge / Full RB



Date: 3.MAR.2021 11:43:55

Highest Band Edge / Full RB

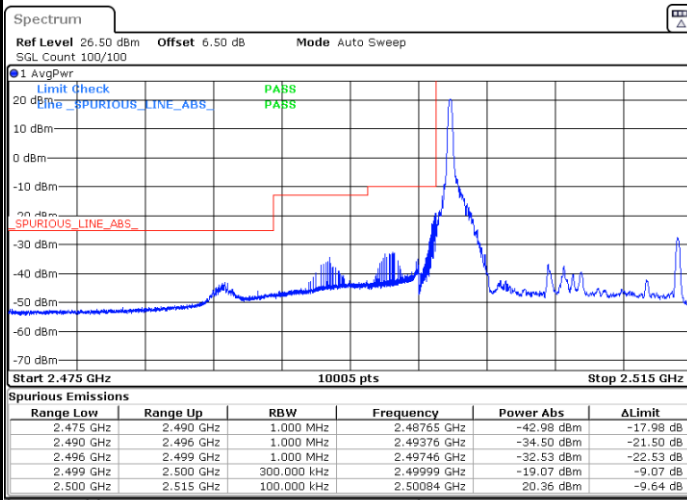


Date: 3.MAR.2021 11:45:04



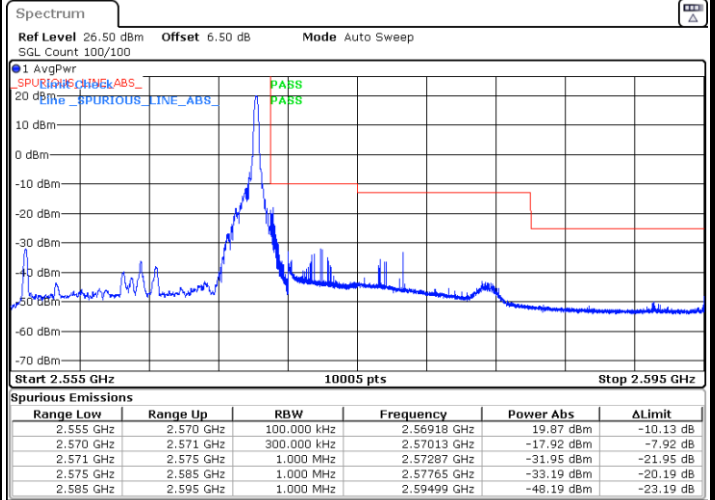
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



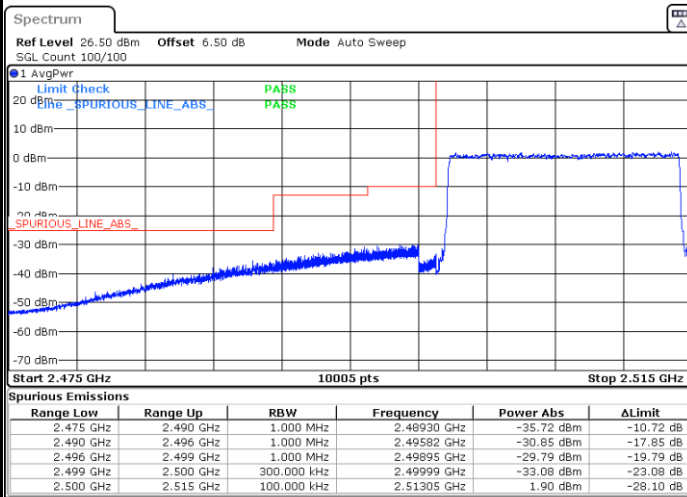
Date: 3.MAR.2021 11:41:39

Highest Band Edge / 1 RB



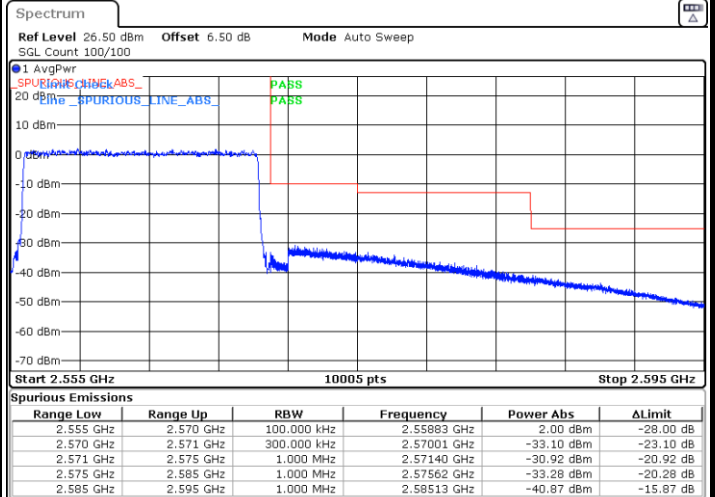
Date: 3.MAR.2021 11:47:20

Lowest Band Edge / Full RB



Date: 3.MAR.2021 11:42:47

Highest Band Edge / Full RB

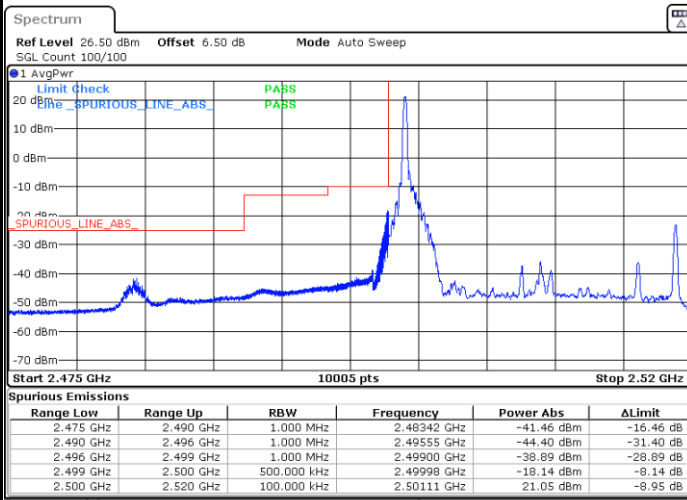


Date: 3.MAR.2021 11:46:12



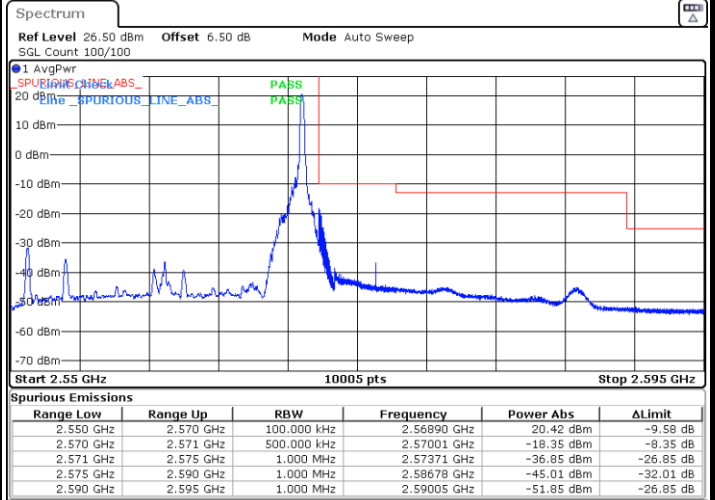
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



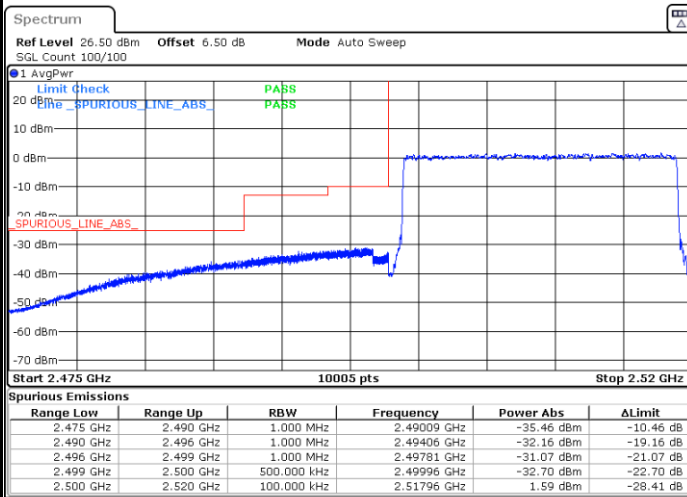
Date: 3.MAR.2021 11:49:36

Highest Band Edge / 1 RB



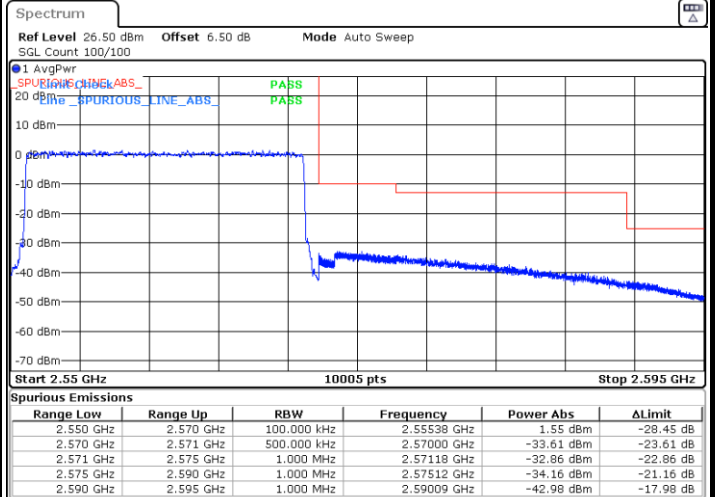
Date: 3.MAR.2021 11:57:34

Lowest Band Edge / Full RB



Date: 3.MAR.2021 11:53:01

Highest Band Edge / Full RB



Date: 3.MAR.2021 11:54:10