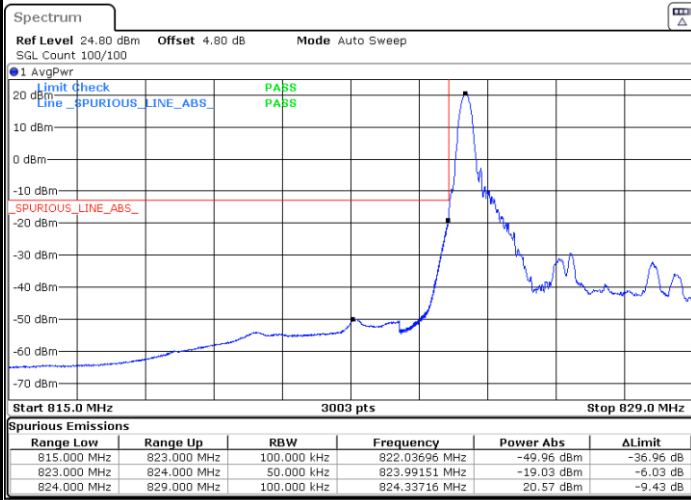




LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



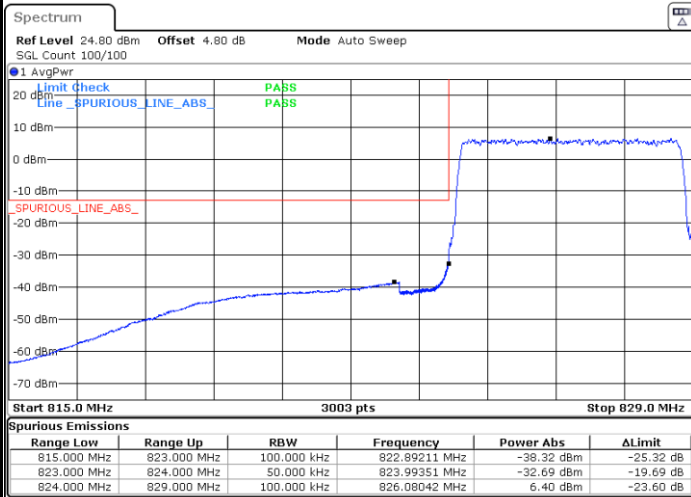
Date: 23.MAR.2022 13:44:54

Highest Band Edge / 1 RB



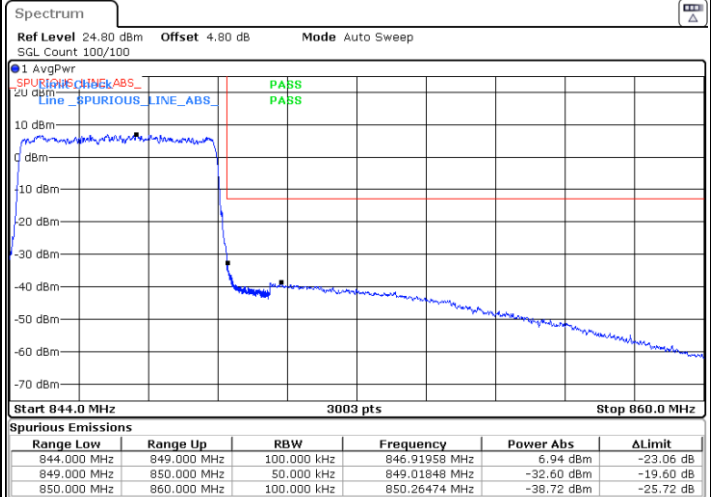
Date: 23.MAR.2022 14:03:30

Lowest Band Edge / Full RB



Date: 23.MAR.2022 13:52:27

Highest Band Edge / Full RB

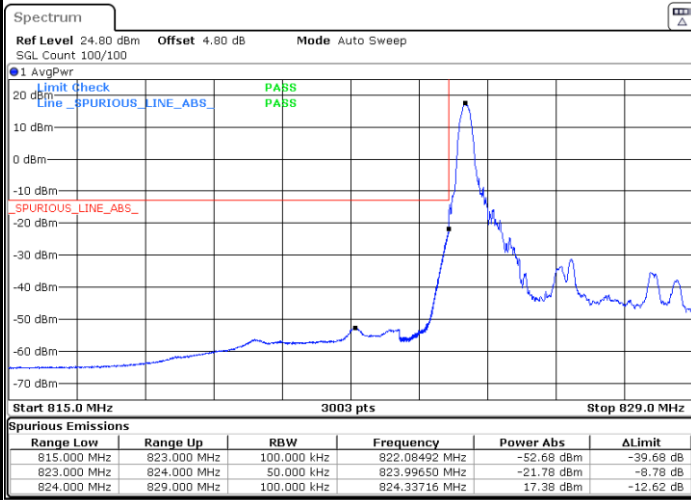


Date: 23.MAR.2022 14:11:01



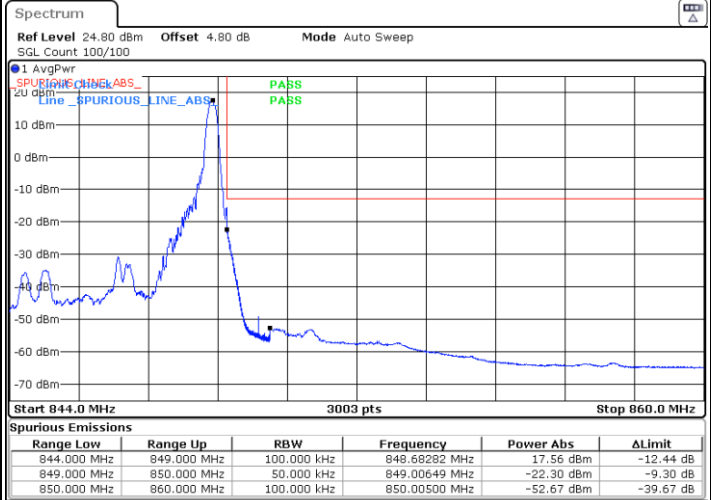
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



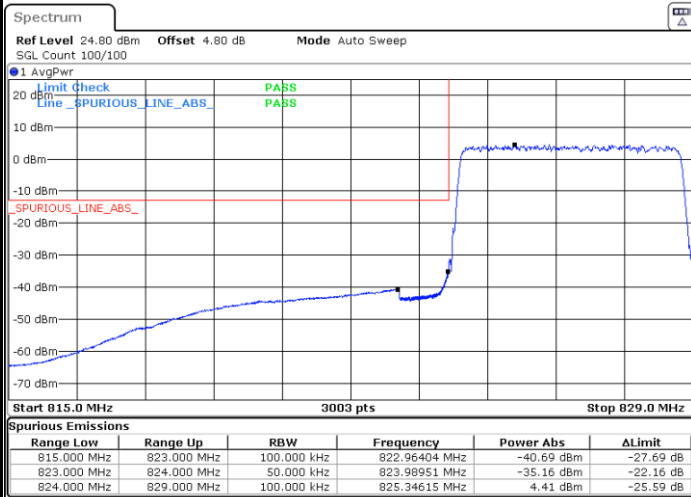
Date: 23.MAR.2022 13:46:47

Highest Band Edge / 1 RB



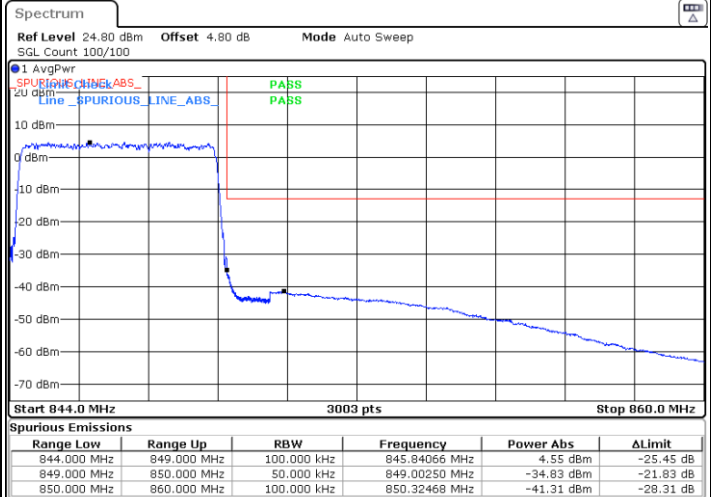
Date: 23.MAR.2022 14:05:23

Lowest Band Edge / Full RB



Date: 23.MAR.2022 13:54:20

Highest Band Edge / Full RB

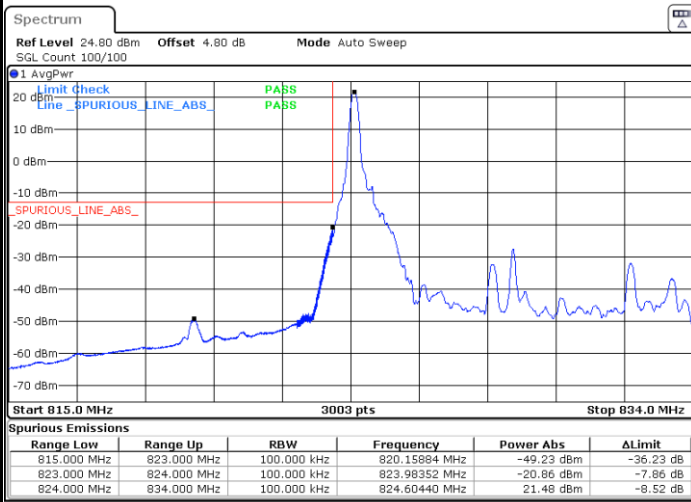


Date: 23.MAR.2022 14:12:54



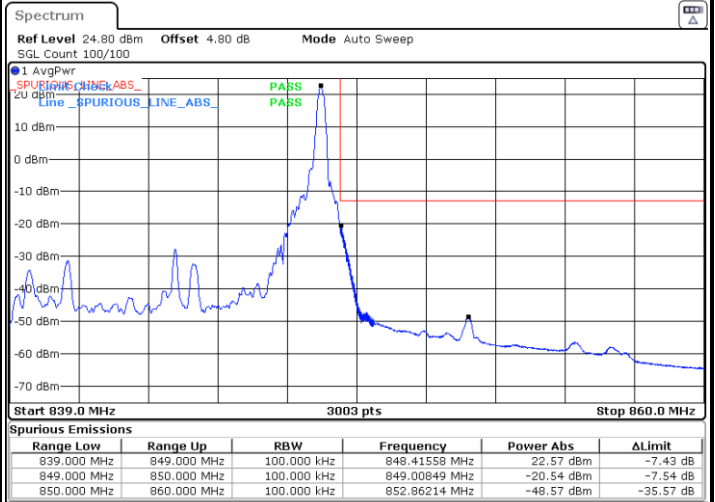
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



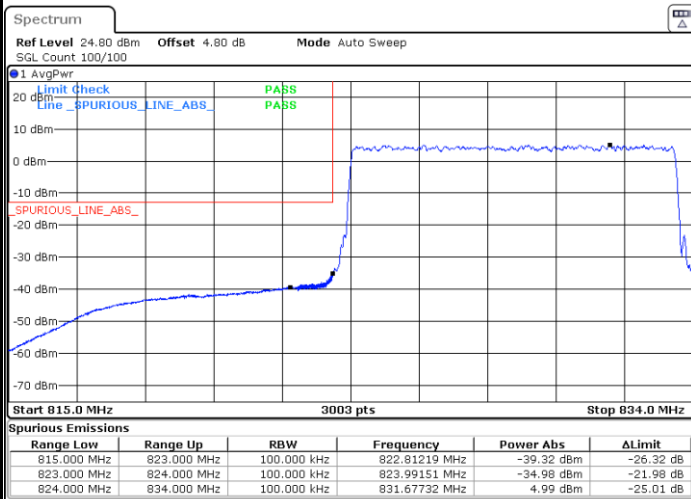
Date: 23.MAR.2022 11:21:13

Highest Band Edge / 1 RB



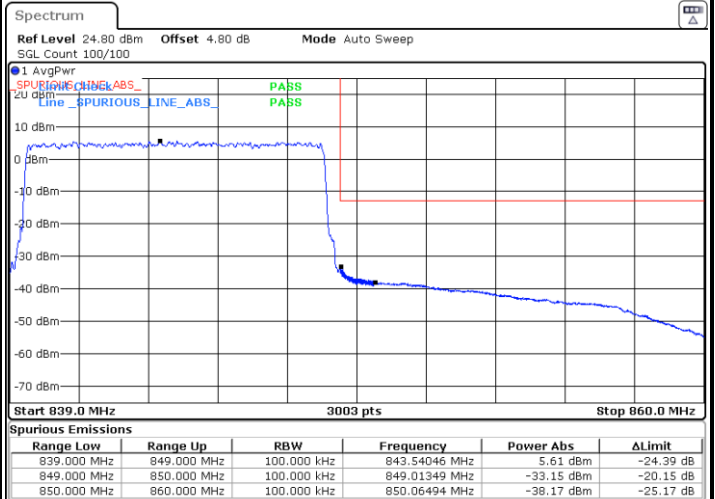
Date: 23.MAR.2022 11:39:58

Lowest Band Edge / Full RB



Date: 23.MAR.2022 11:28:50

Highest Band Edge / Full RB

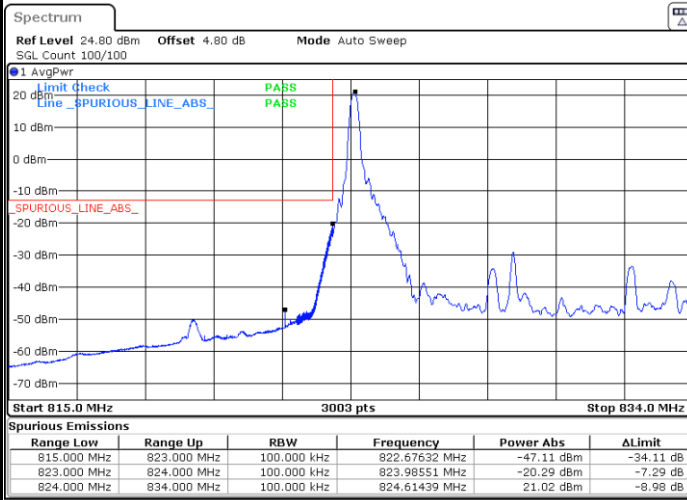


Date: 23.MAR.2022 11:47:33



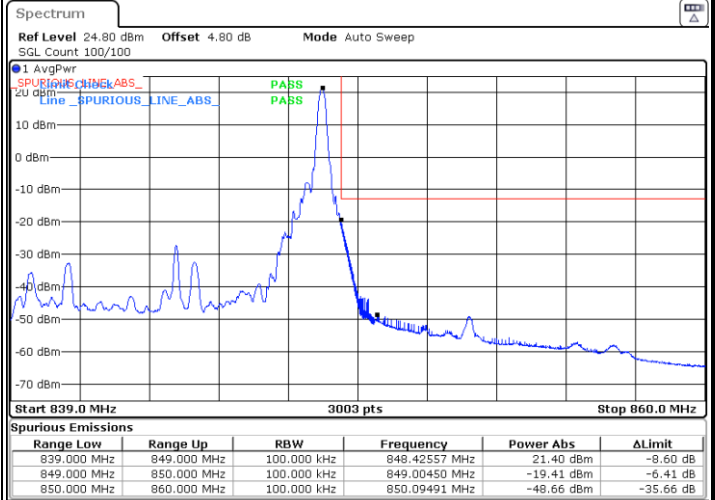
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



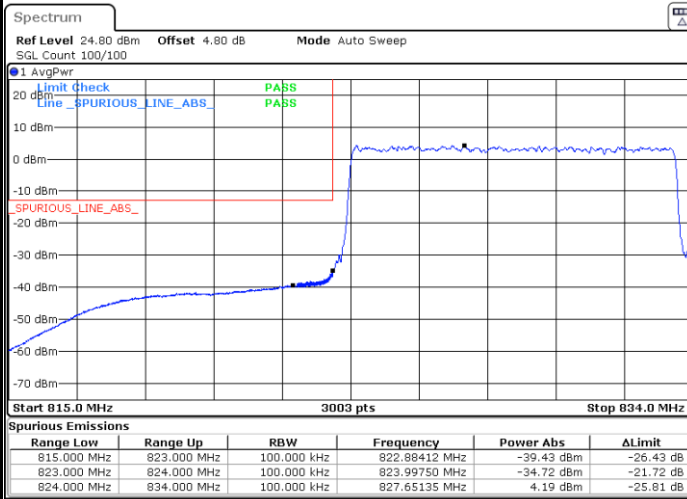
Date: 23.MAR.2022 11:23:07

Highest Band Edge / 1 RB



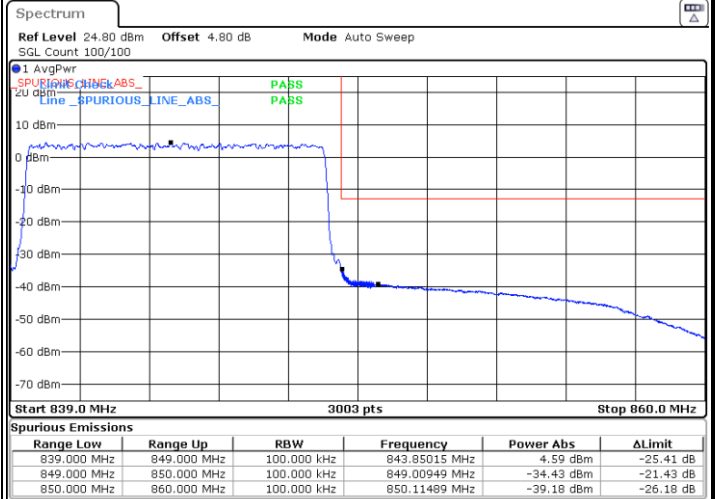
Date: 23.MAR.2022 11:41:52

Lowest Band Edge / Full RB



Date: 23.MAR.2022 11:30:44

Highest Band Edge / Full RB

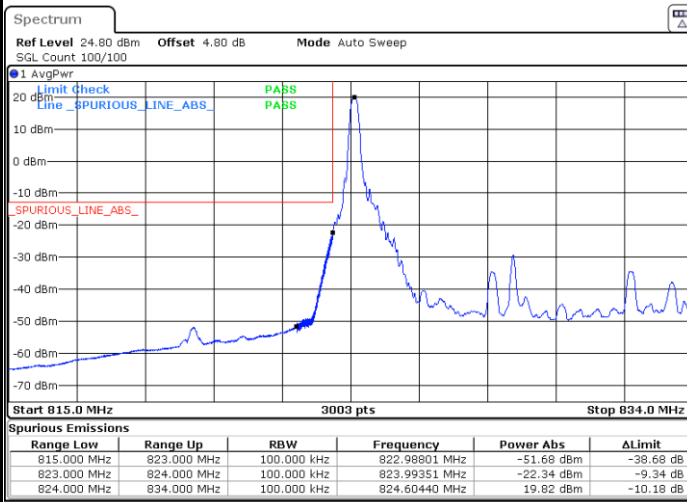


Date: 23.MAR.2022 11:49:26



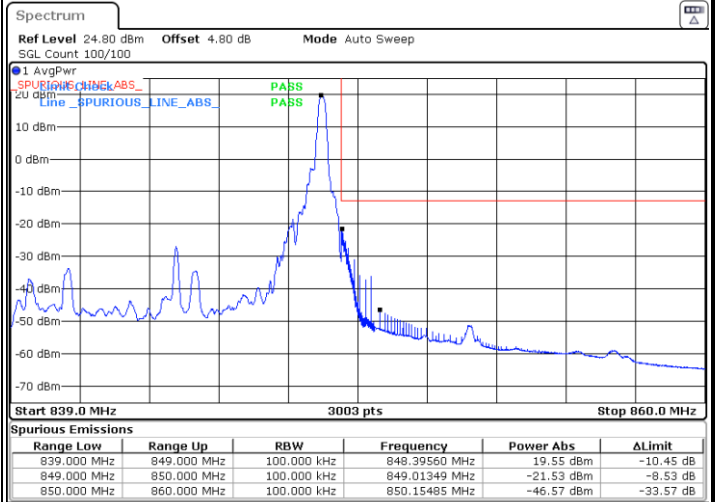
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



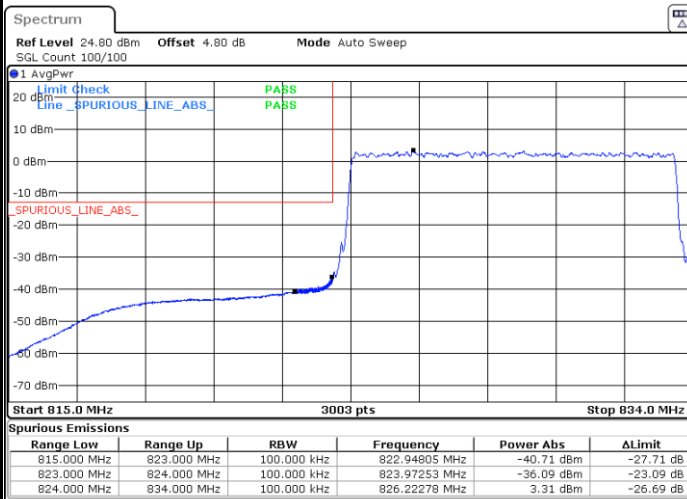
Date: 23.MAR.2022 11:25:02

Highest Band Edge / 1 RB



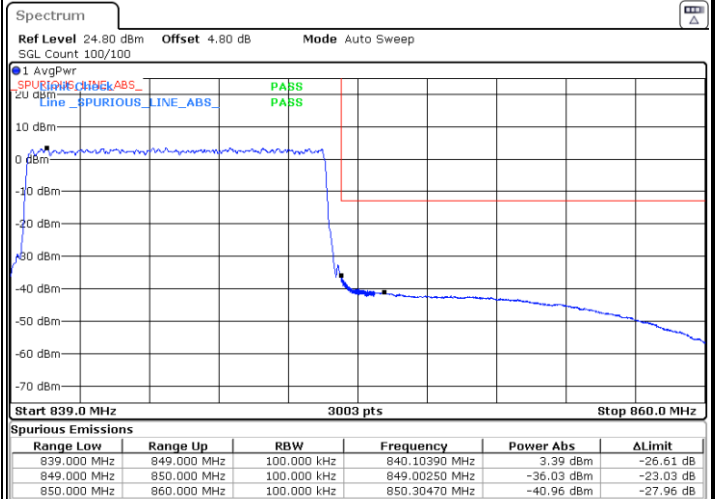
Date: 23.MAR.2022 11:43:45

Lowest Band Edge / Full RB



Date: 23.MAR.2022 11:32:37

Highest Band Edge / Full RB

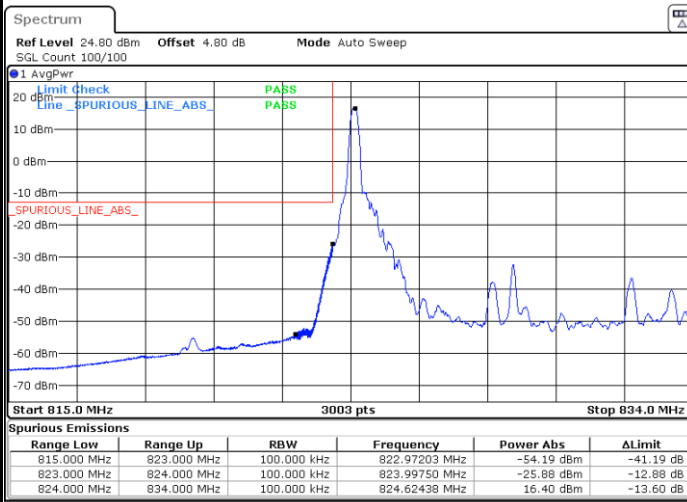


Date: 23.MAR.2022 11:51:20



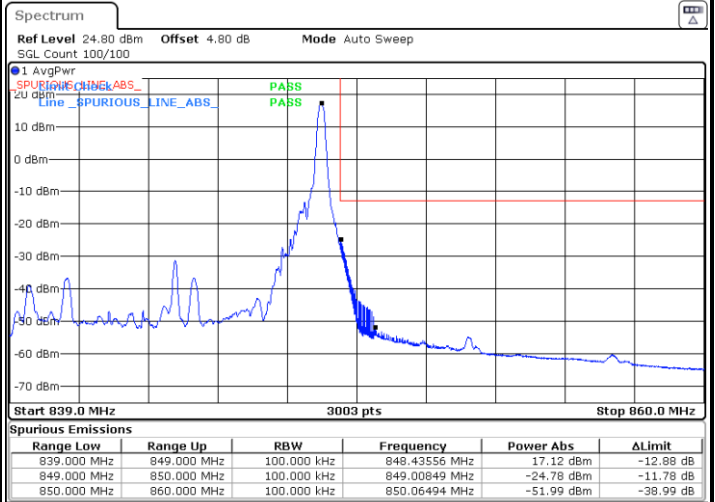
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



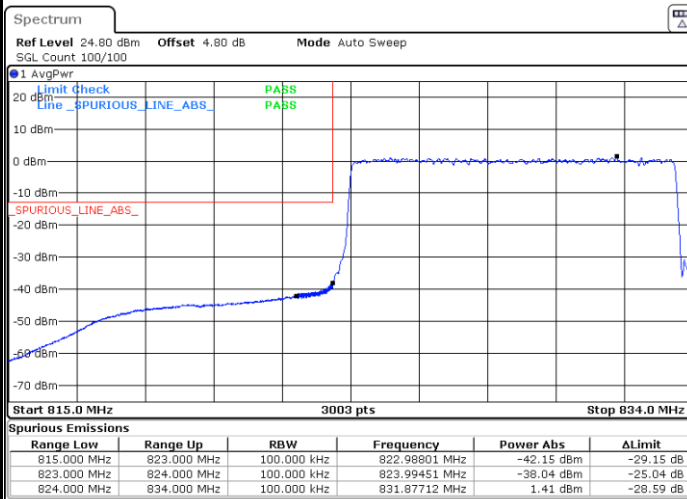
Date: 23.MAR.2022 11:26:56

Highest Band Edge / 1 RB



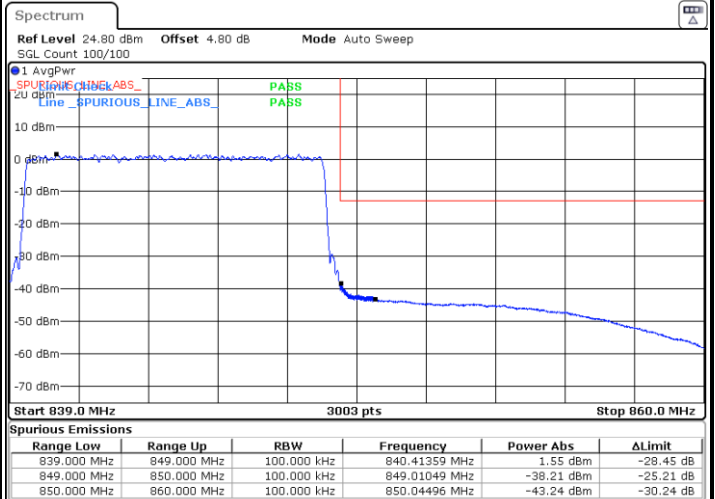
Date: 23.MAR.2022 11:45:39

Lowest Band Edge / Full RB



Date: 23.MAR.2022 11:34:31

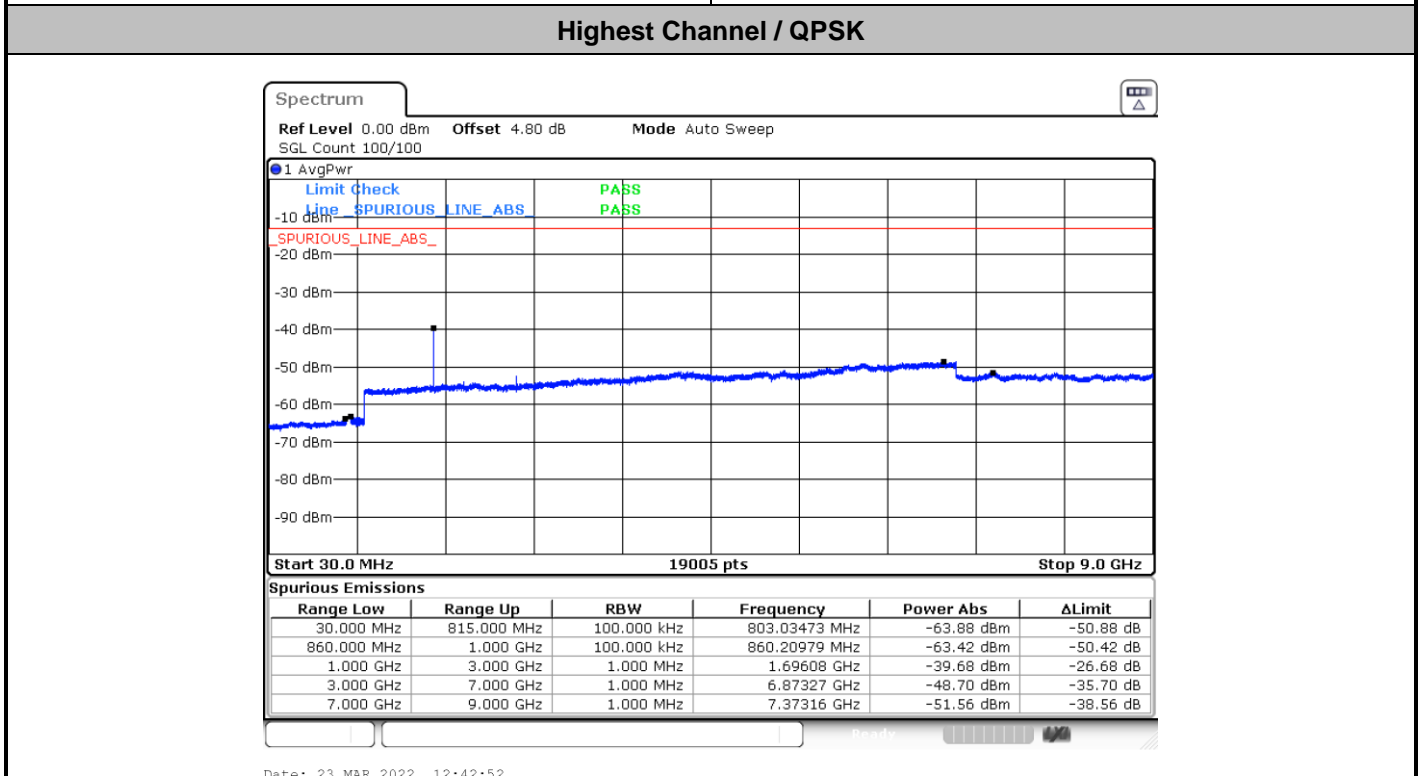
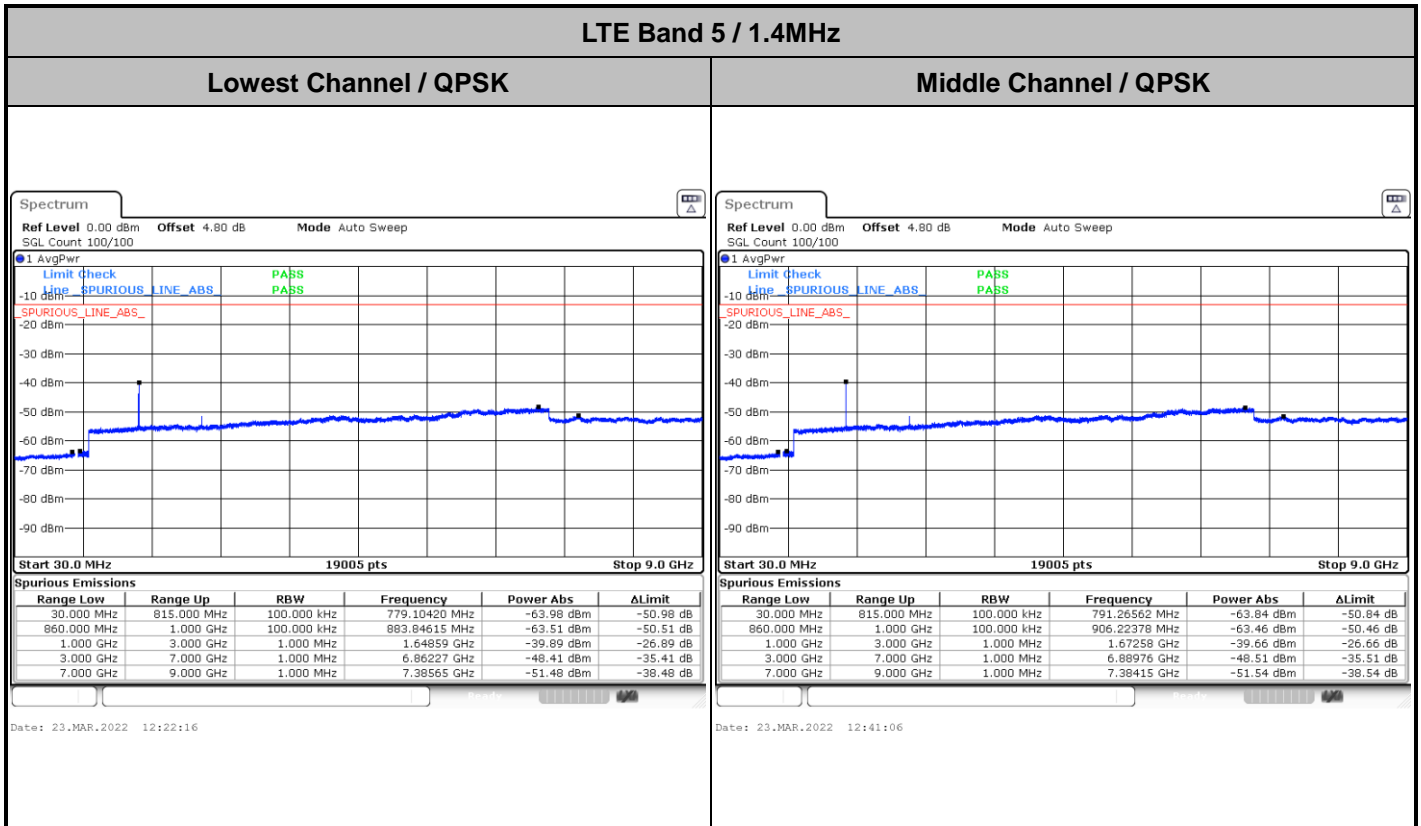
Highest Band Edge / Full RB



Date: 23.MAR.2022 11:53:13



Conducted Spurious Emission

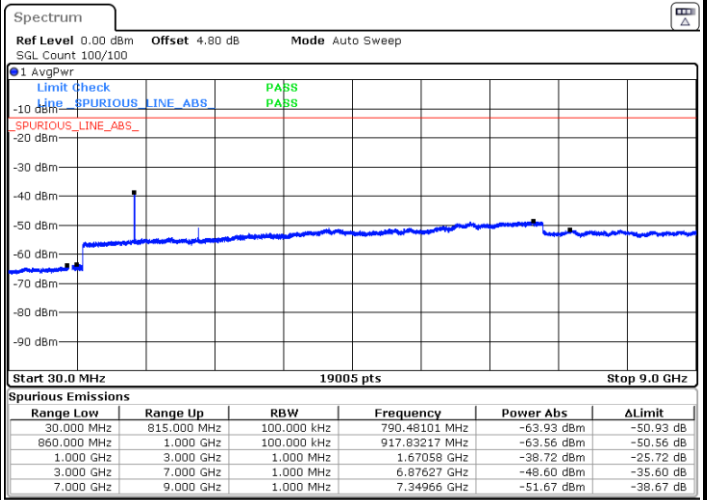
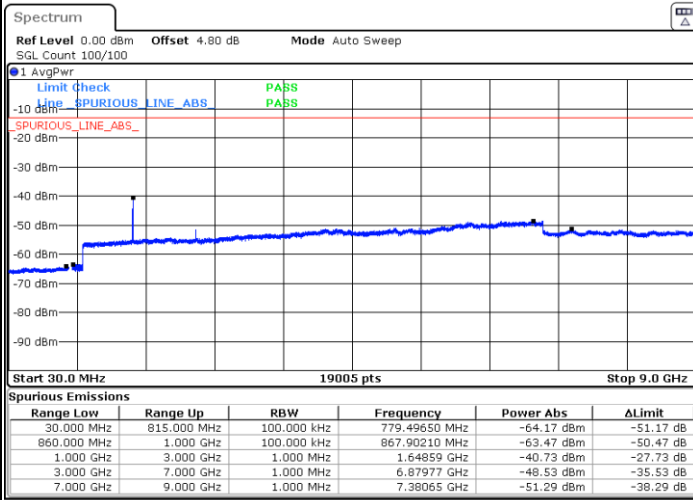




LTE Band 5 / 3MHz

Lowest Channel / QPSK

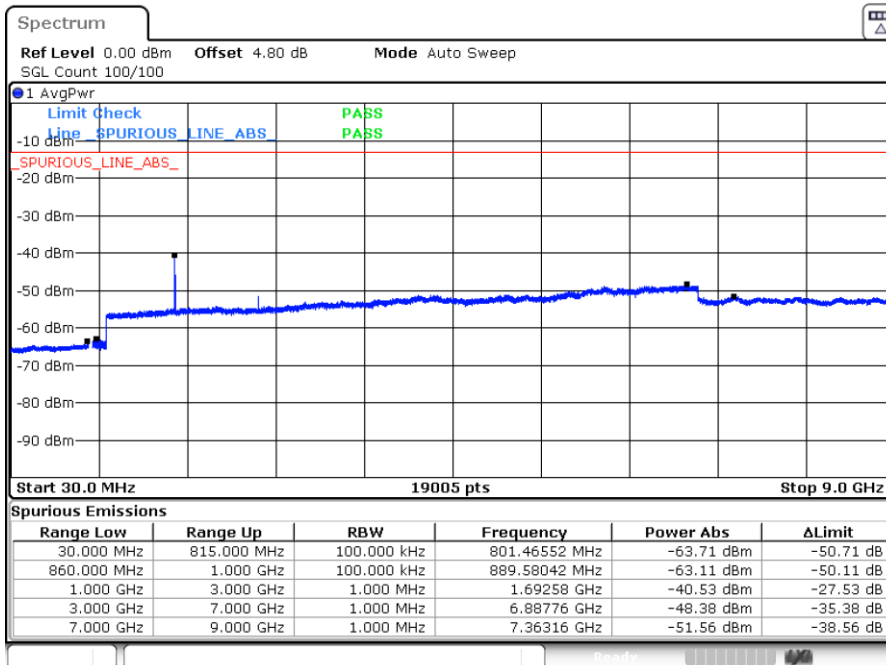
Middle Channel / QPSK



Date: 23.MAR.2022 13:00:52

Date: 23.MAR.2022 13:19:38

Highest Channel / QPSK



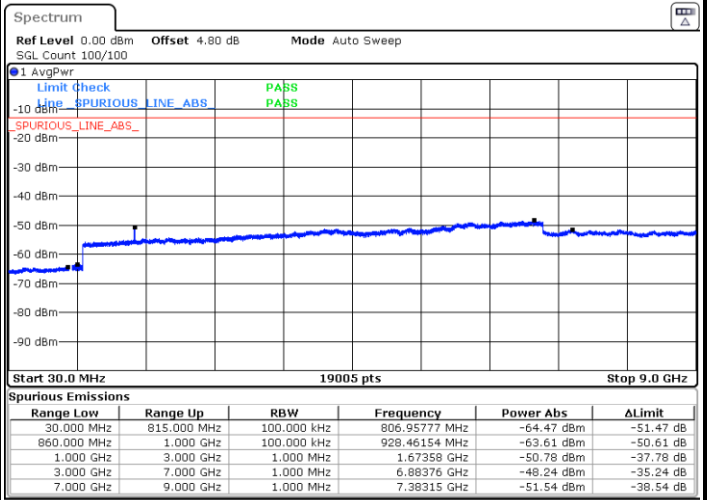
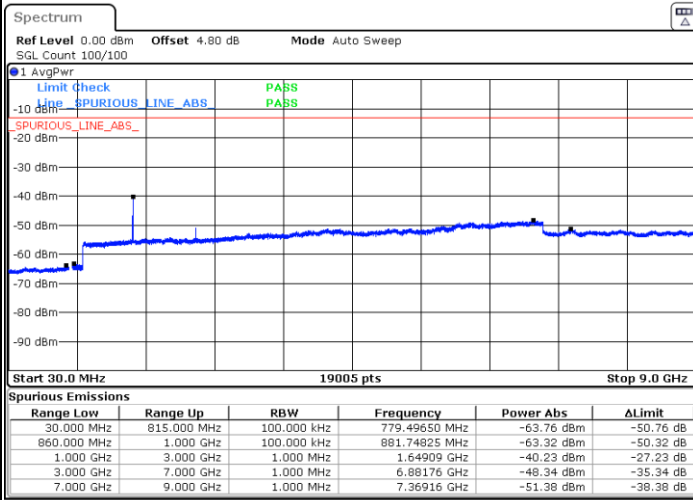
Date: 23.MAR.2022 13:21:23



LTE Band 5 / 5MHz

Lowest Channel / QPSK

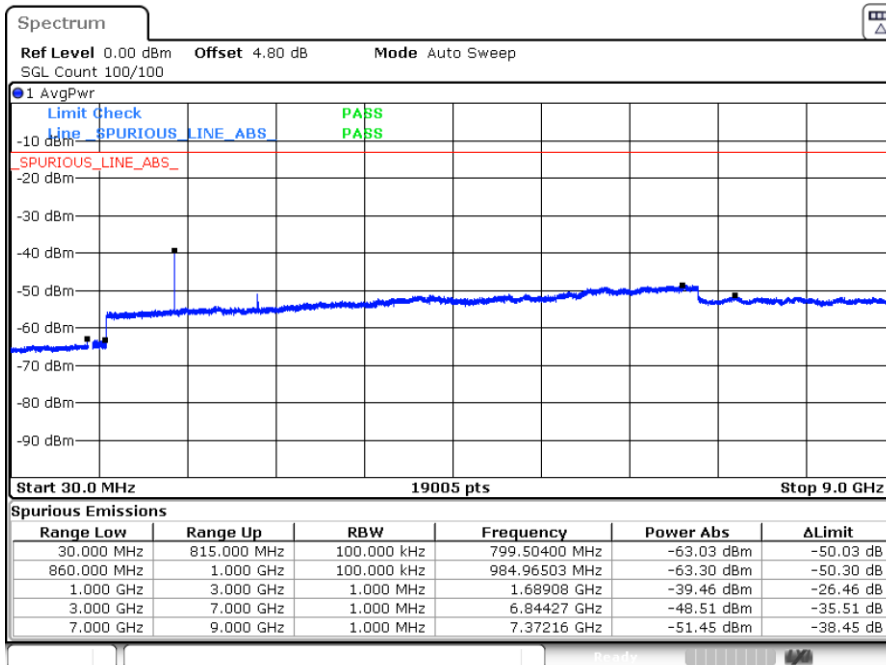
Middle Channel / QPSK



Date: 23.MAR.2022 13:39:23

Date: 23.MAR.2022 13:56:04

Highest Channel / QPSK



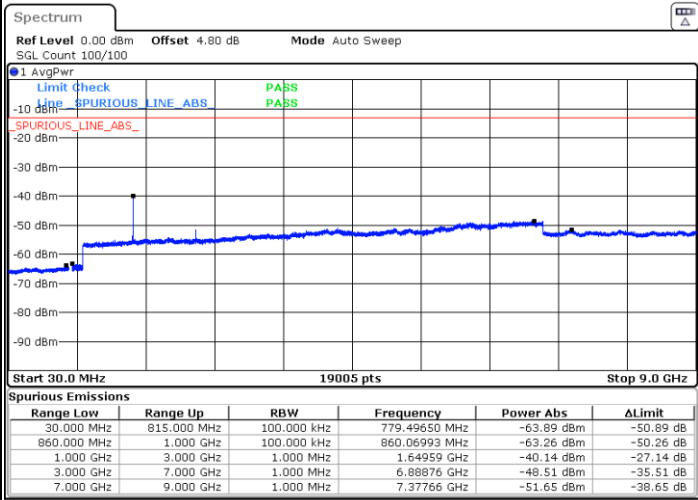
Date: 23.MAR.2022 13:57:50



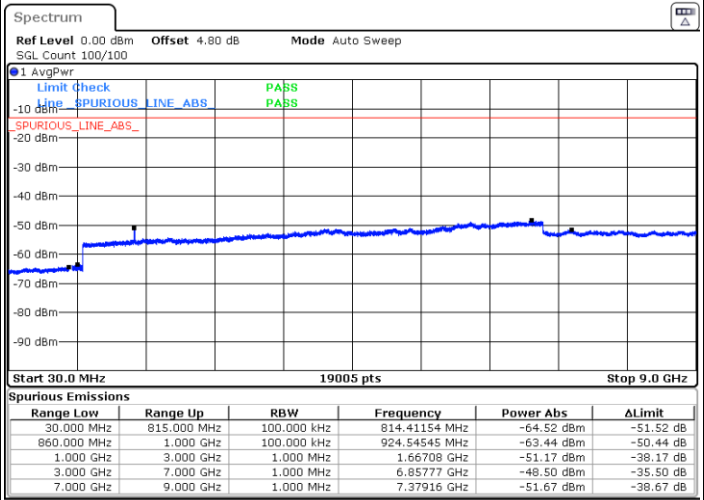
LTE Band 5 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

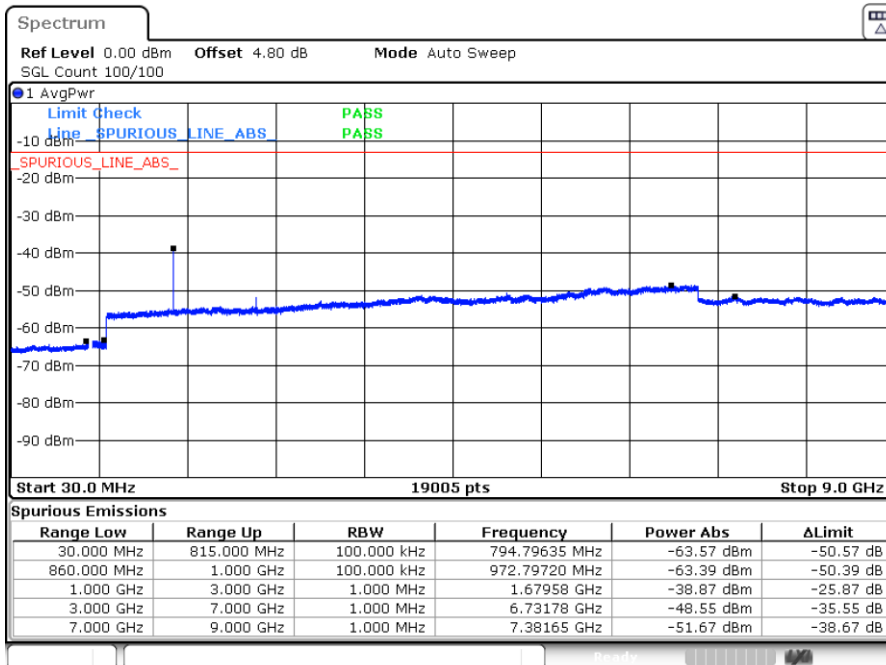


Date: 23.MAR.2022 11:19:29



Date: 23.MAR.2022 11:36:16

Highest Channel / QPSK



Date: 23.MAR.2022 11:38:03



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm.
		Deviation (ppm)	Result
50	Normal Voltage	0.0038	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0029	

Note:

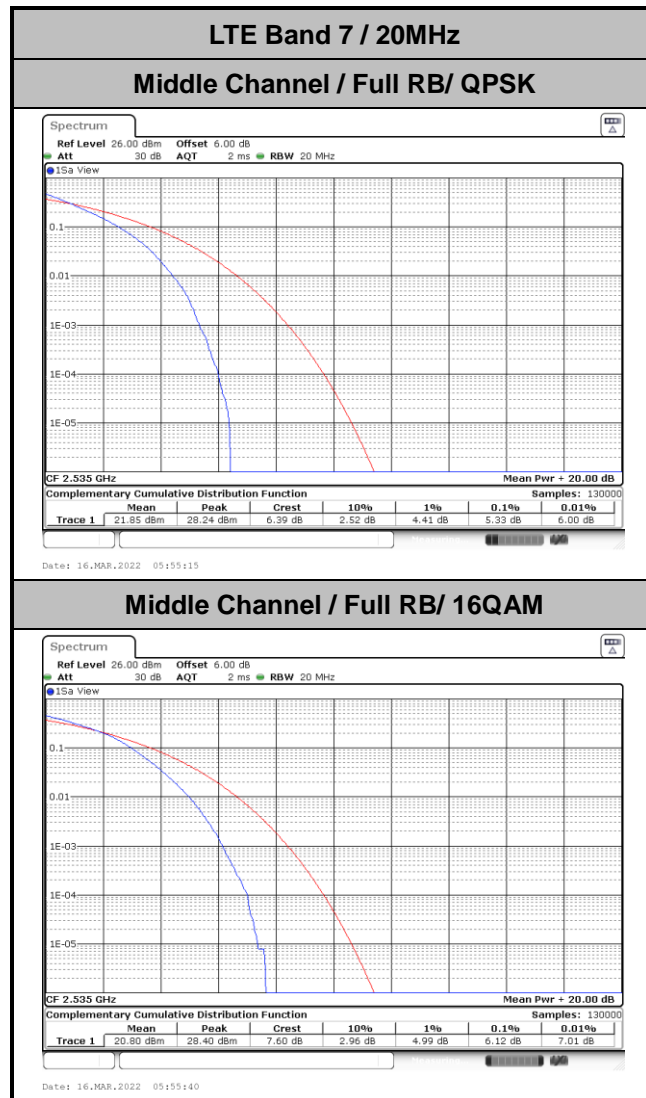
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.

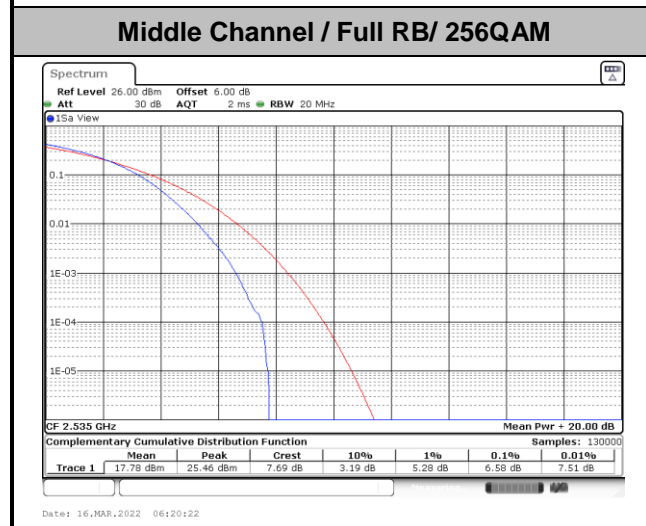
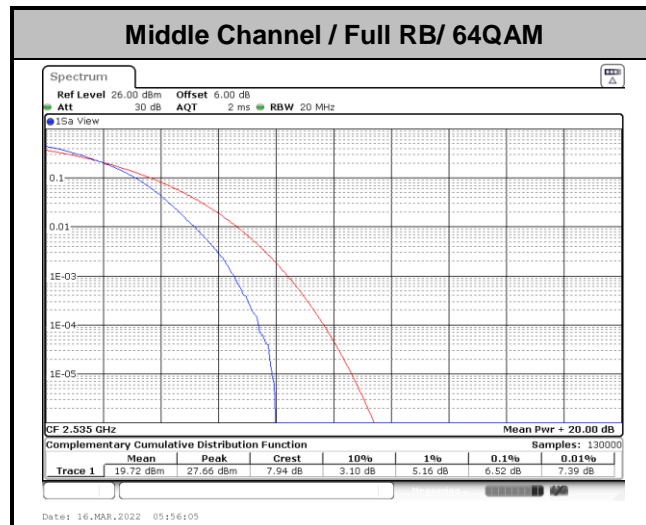


LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.33	6.12	6.52	PASS
Mode	LTE Band 7 / 20MHz			
Mod.	256QAM			Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	6.58			PASS

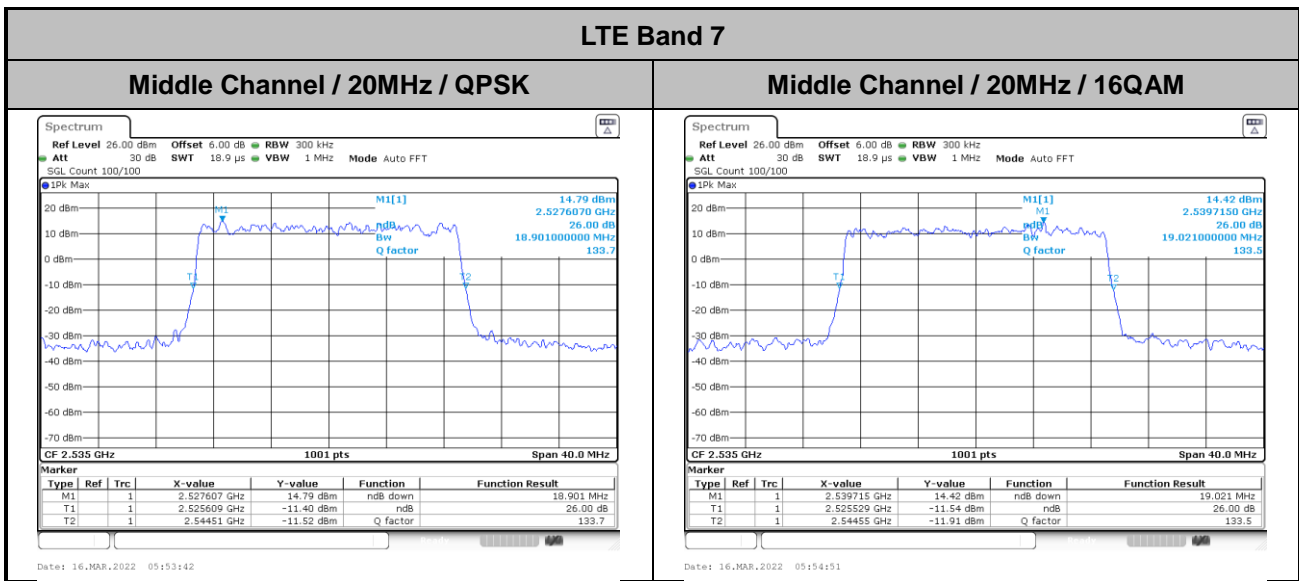






26dB Bandwidth

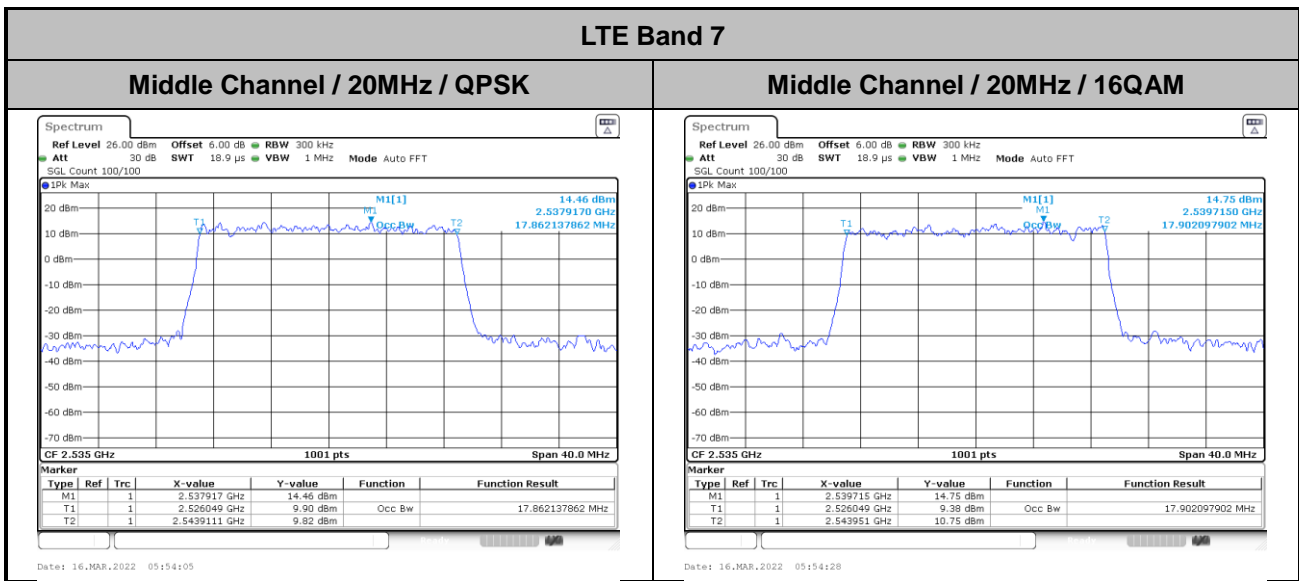
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.90	19.02





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.90

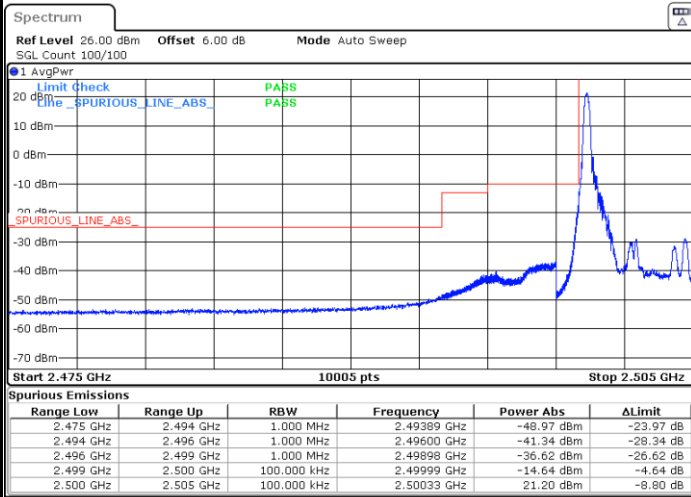




Conducted Band Edge

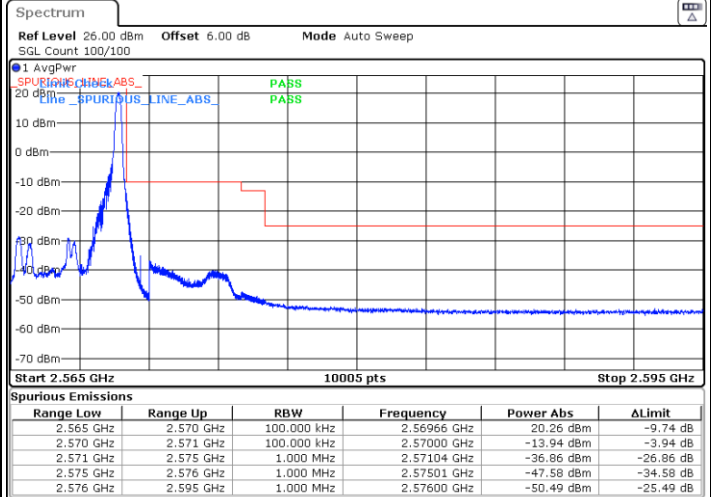
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



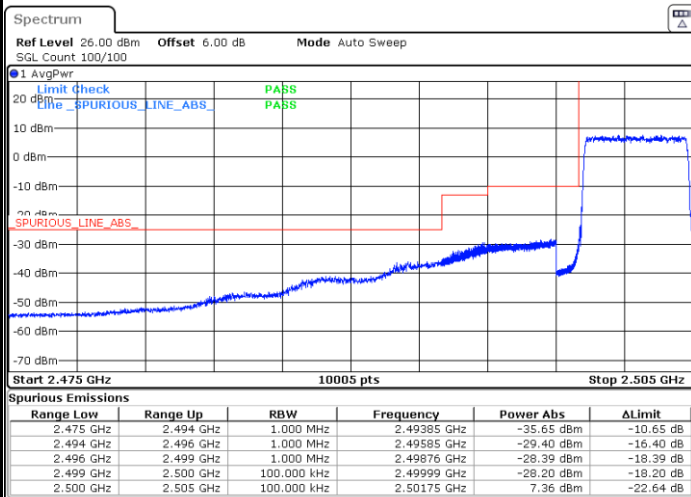
Date: 16.MAR.2022 04:33:08

Highest Band Edge / 1 RB



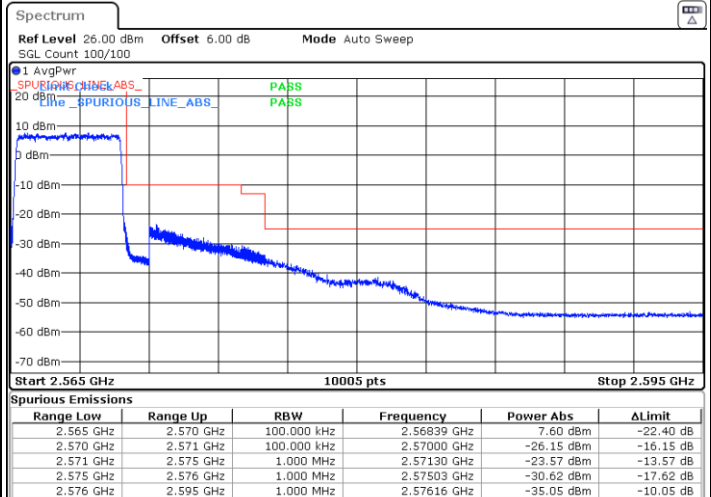
Date: 16.MAR.2022 04:43:22

Lowest Band Edge / Full RB



Date: 16.MAR.2022 04:41:40

Highest Band Edge / Full RB

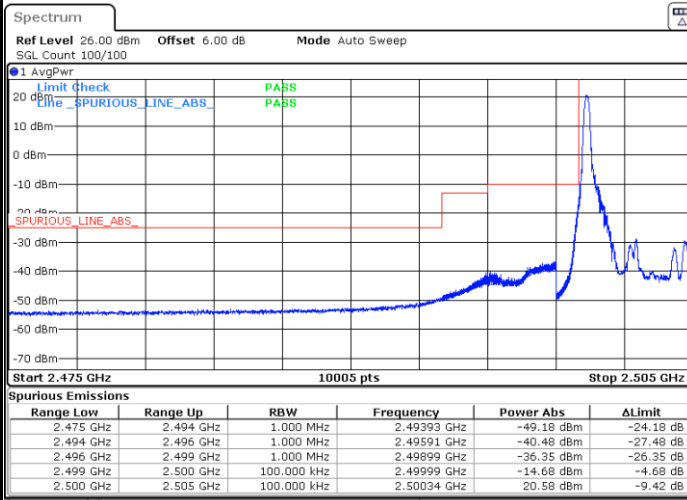


Date: 16.MAR.2022 04:51:53



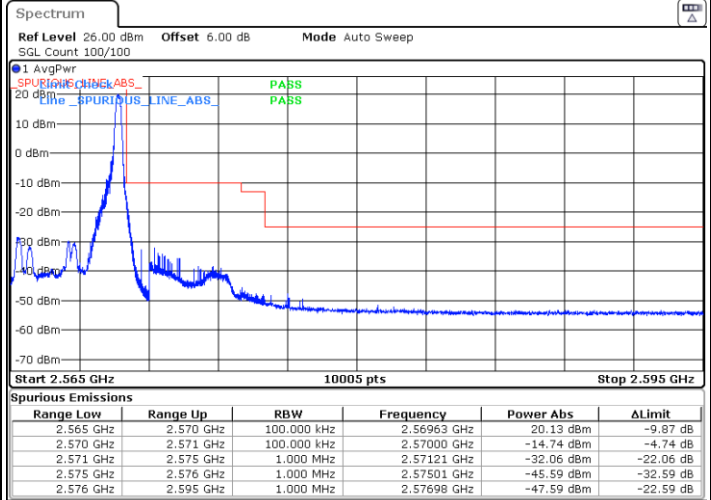
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



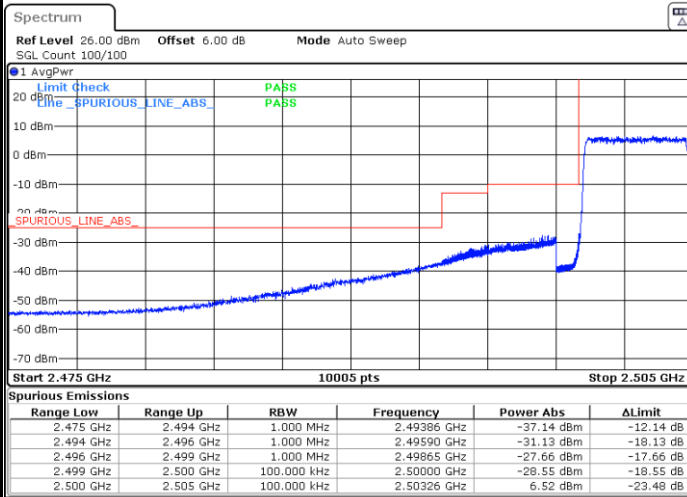
Date: 16.MAR.2022 04:34:50

Highest Band Edge / 1 RB



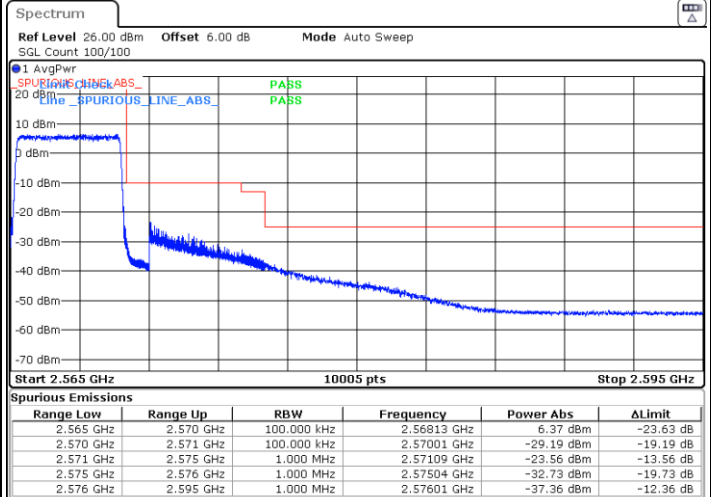
Date: 16.MAR.2022 04:45:04

Lowest Band Edge / Full RB



Date: 16.MAR.2022 04:39:57

Highest Band Edge / Full RB

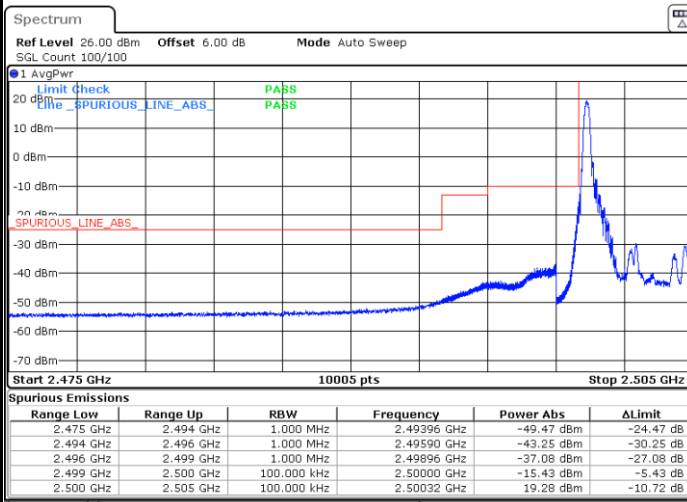


Date: 16.MAR.2022 04:50:11



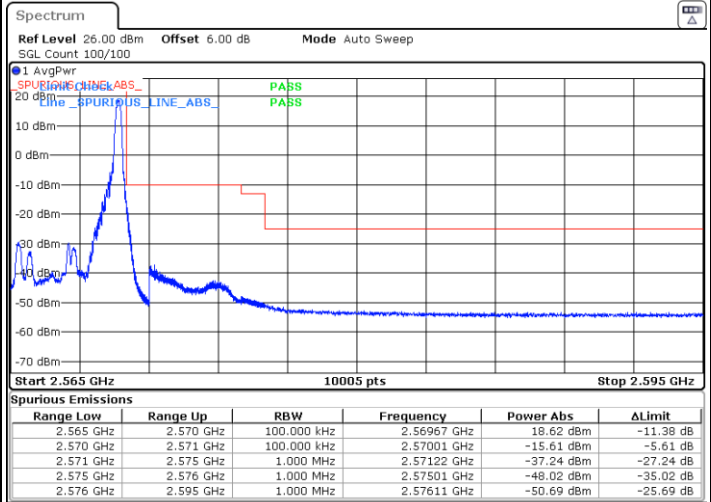
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



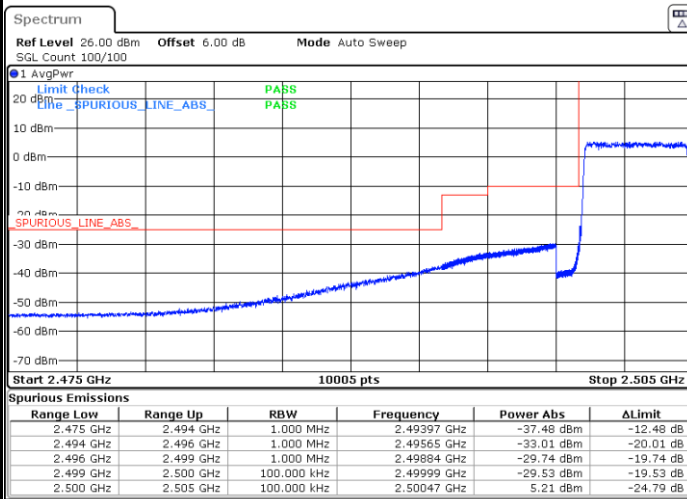
Date: 16.MAR.2022 04:36:33

Highest Band Edge / 1 RB



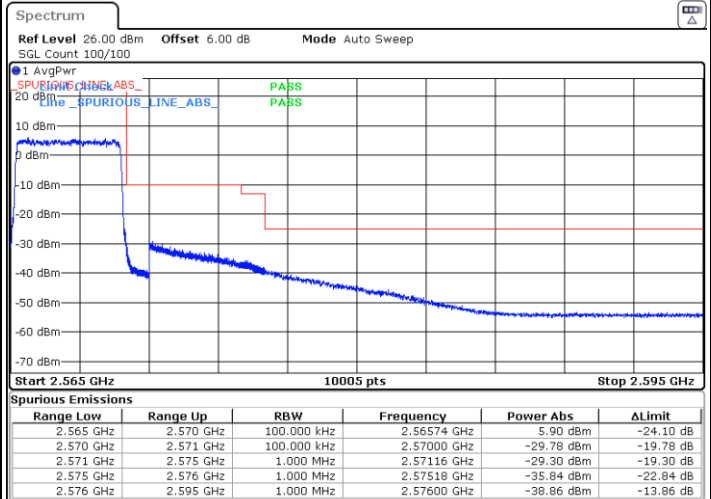
Date: 16.MAR.2022 04:46:46

Lowest Band Edge / Full RB



Date: 16.MAR.2022 04:38:15

Highest Band Edge / Full RB

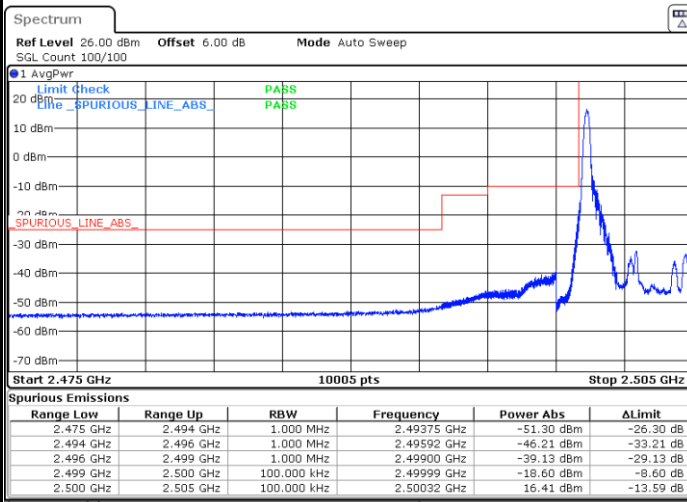


Date: 16.MAR.2022 04:48:29



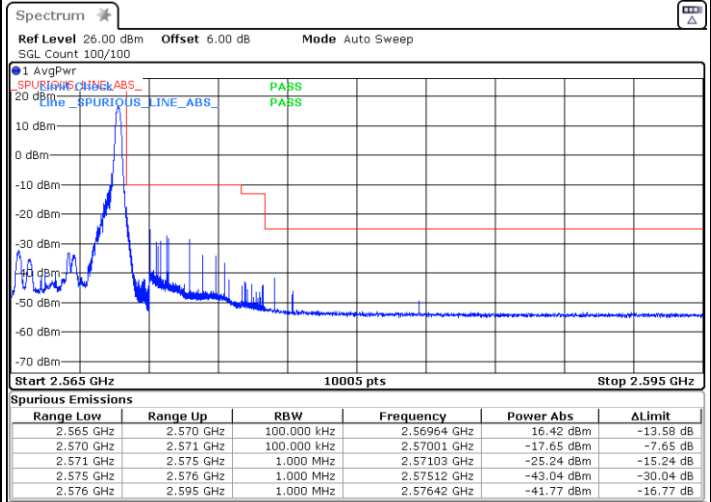
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB



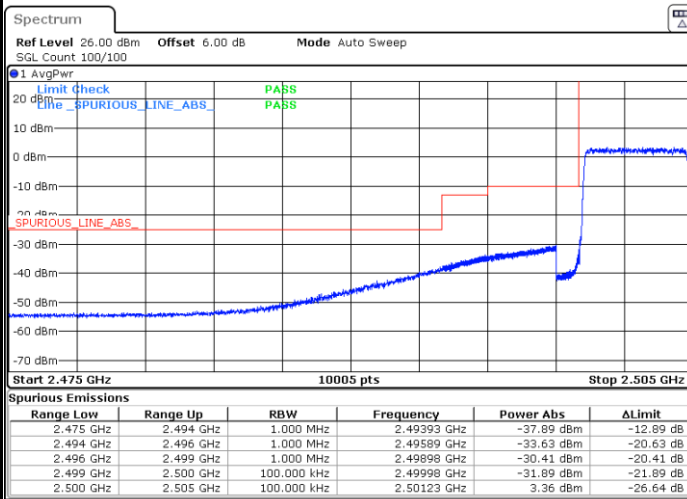
Date: 16.MAR.2022 05:57:49

Highest Band Edge / 1 RB



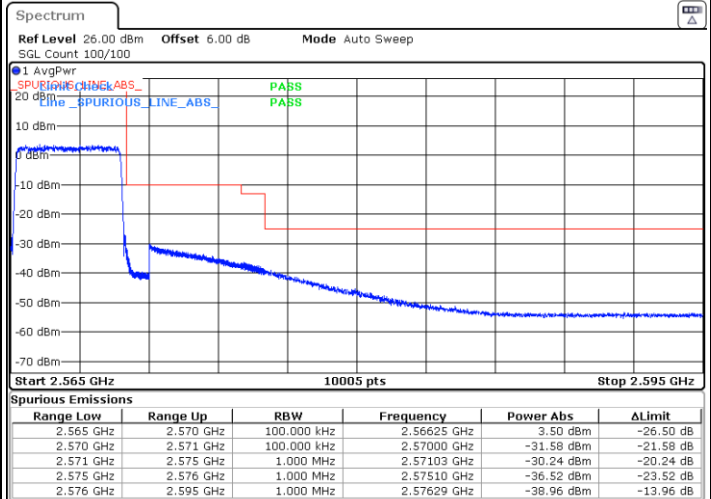
Date: 16.MAR.2022 06:05:42

Lowest Band Edge / Full RB



Date: 16.MAR.2022 05:59:32

Highest Band Edge / Full RB

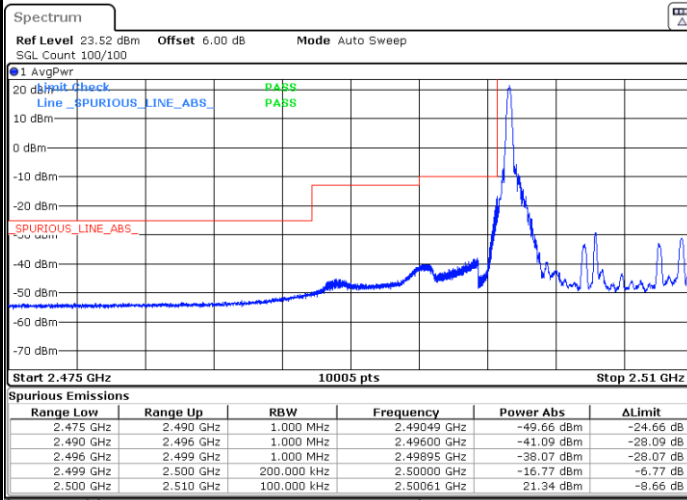


Date: 16.MAR.2022 06:03:59

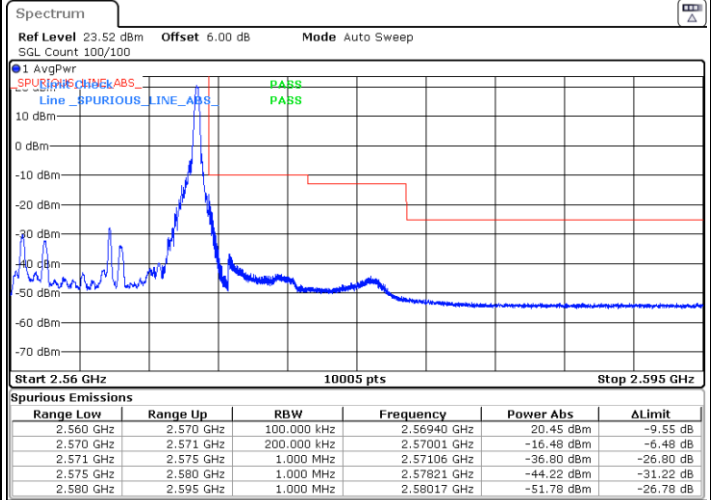


LTE Band 7 / 10MHz / QPSK

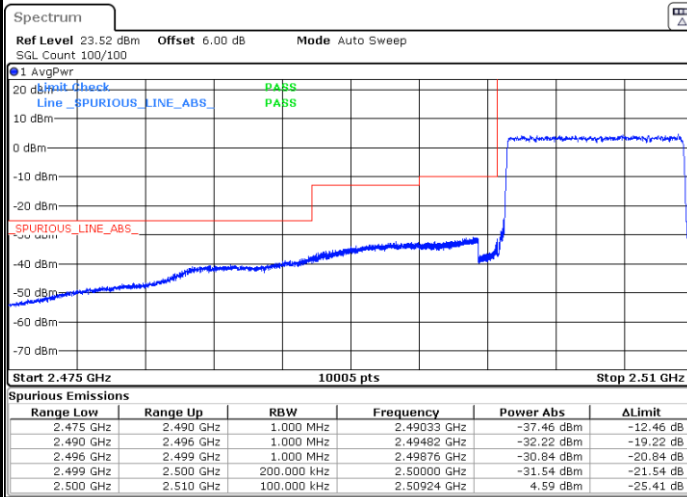
Lowest Band Edge / 1 RB



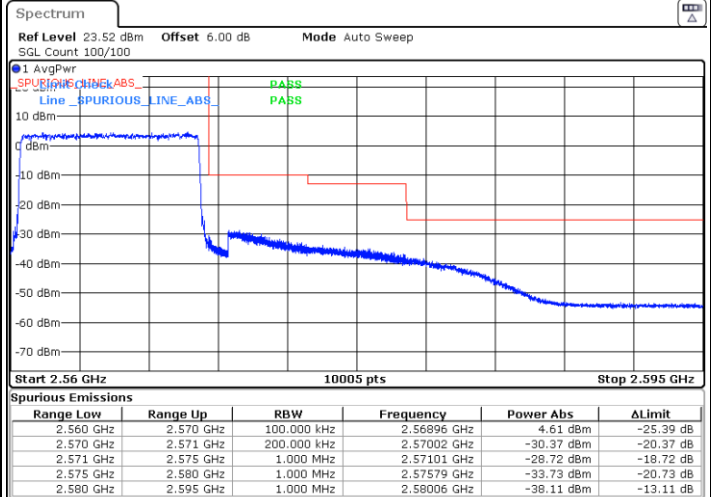
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



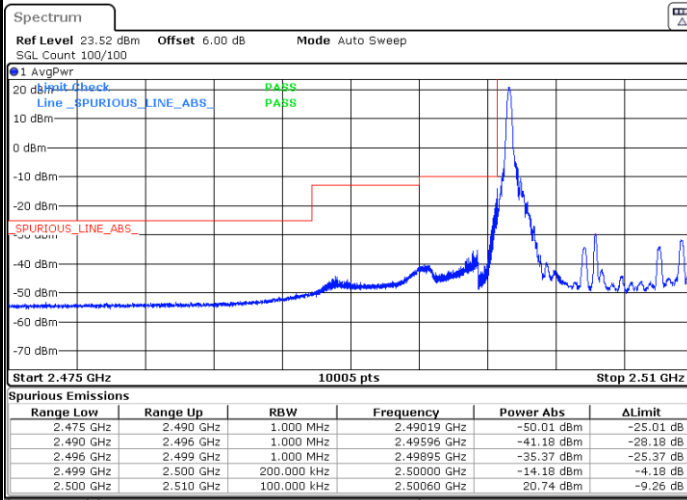
Highest Band Edge / Full RB





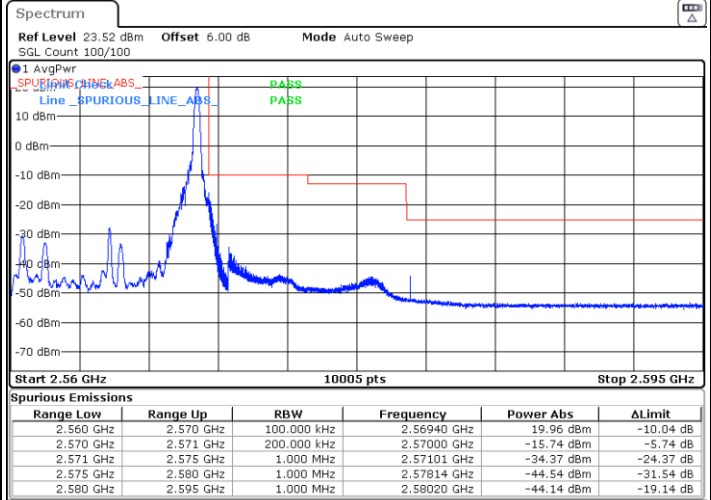
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



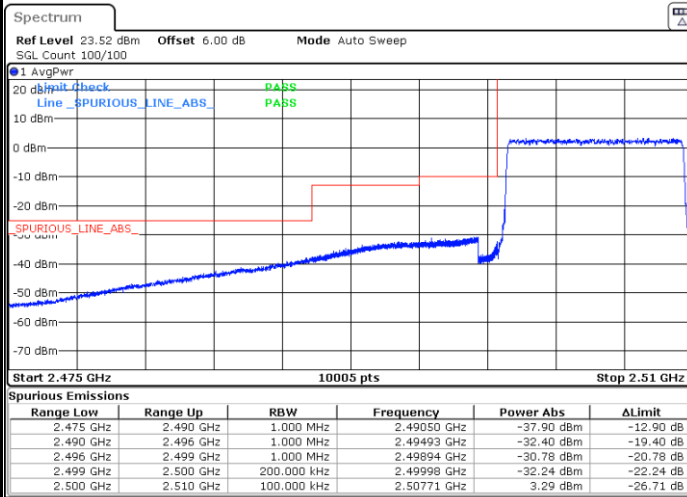
Date: 16.MAR.2022 04:55:19

Highest Band Edge / 1 RB



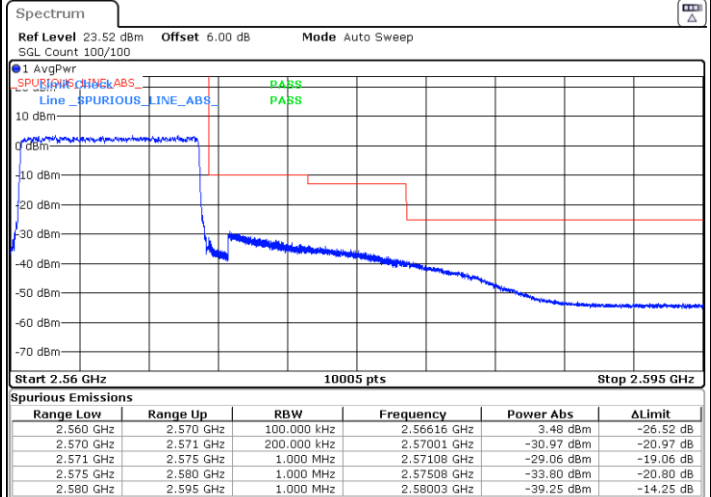
Date: 16.MAR.2022 05:05:32

Lowest Band Edge / Full RB



Date: 16.MAR.2022 05:00:25

Highest Band Edge / Full RB

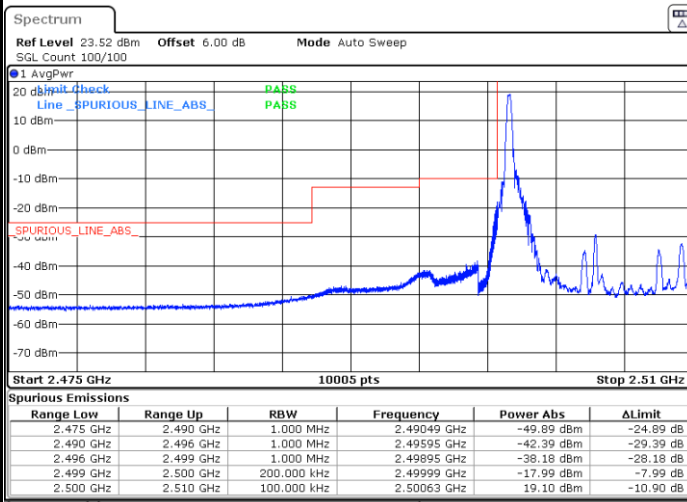


Date: 16.MAR.2022 05:10:39



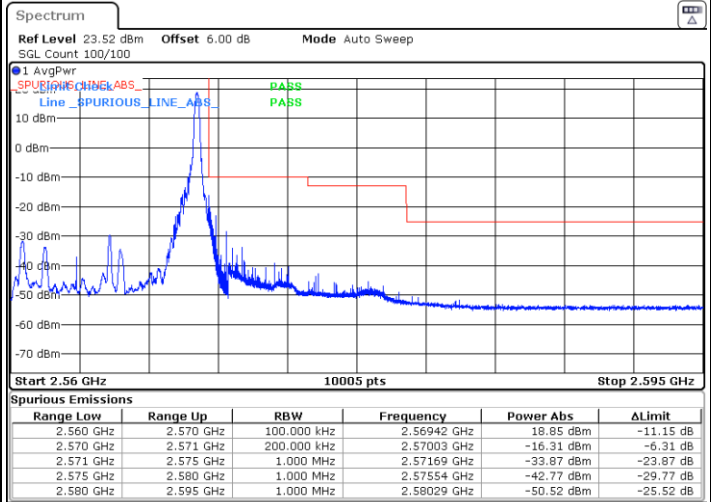
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



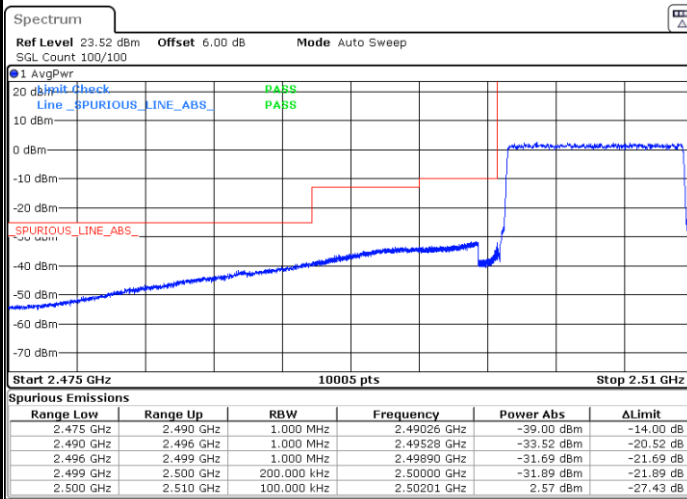
Date: 16.MAR.2022 04:57:01

Highest Band Edge / 1 RB



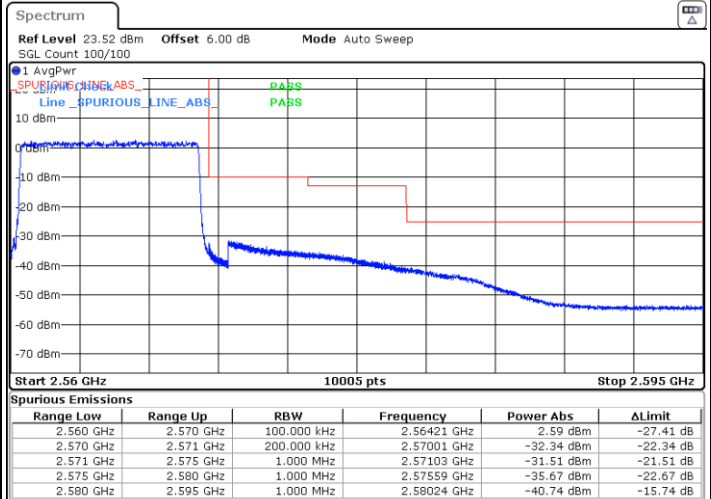
Date: 16.MAR.2022 05:07:14

Lowest Band Edge / Full RB



Date: 16.MAR.2022 04:58:43

Highest Band Edge / Full RB

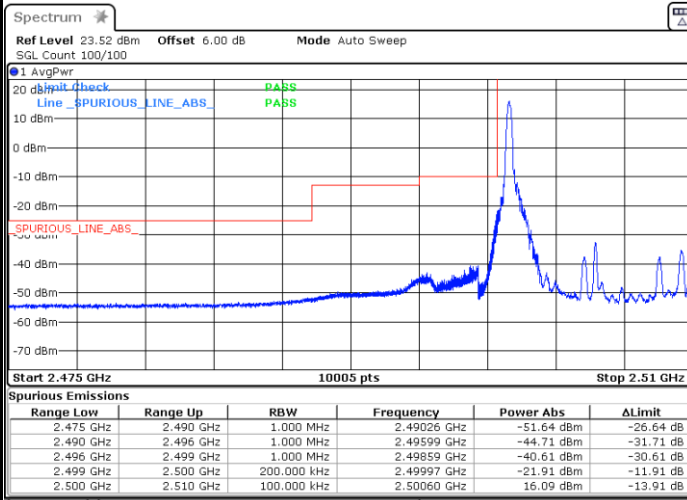


Date: 16.MAR.2022 05:08:57



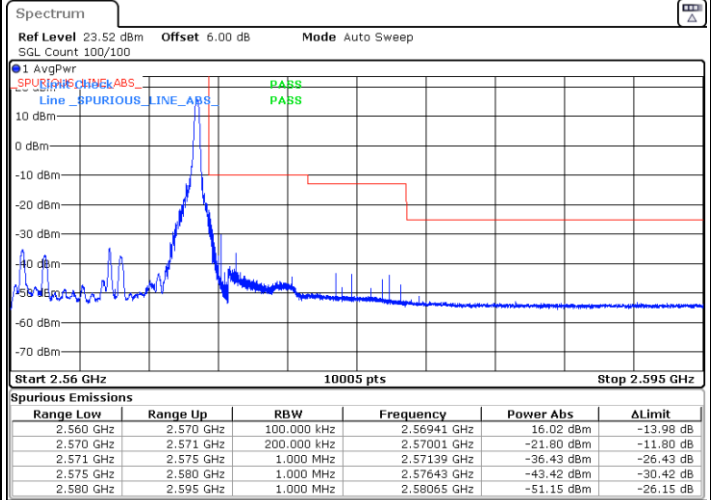
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



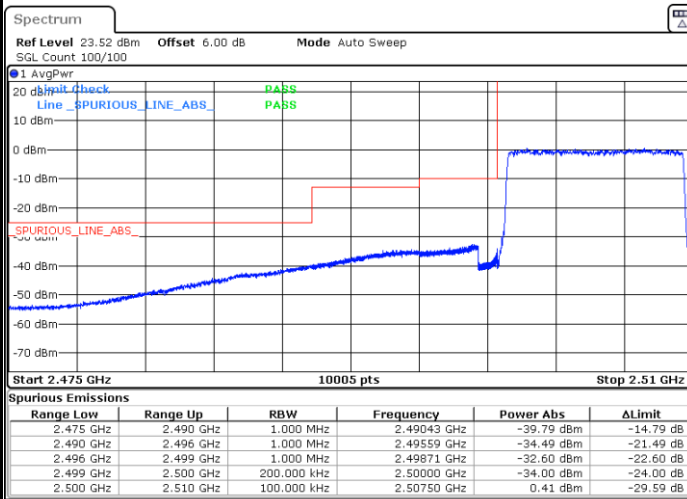
Date: 16.MAR.2022 06:07:26

Highest Band Edge / 1 RB



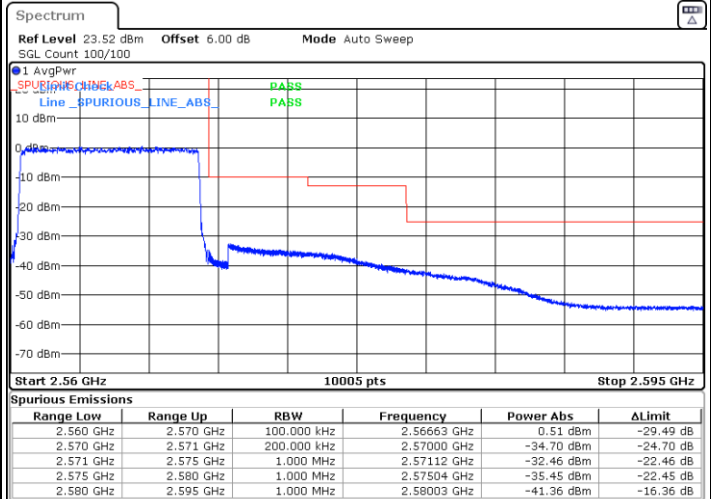
Date: 16.MAR.2022 06:12:00

Lowest Band Edge / Full RB



Date: 16.MAR.2022 06:09:08

Highest Band Edge / Full RB

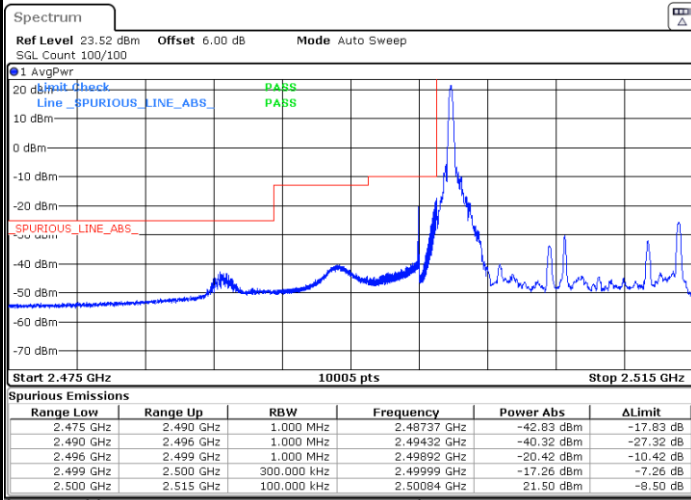


Date: 16.MAR.2022 06:11:12



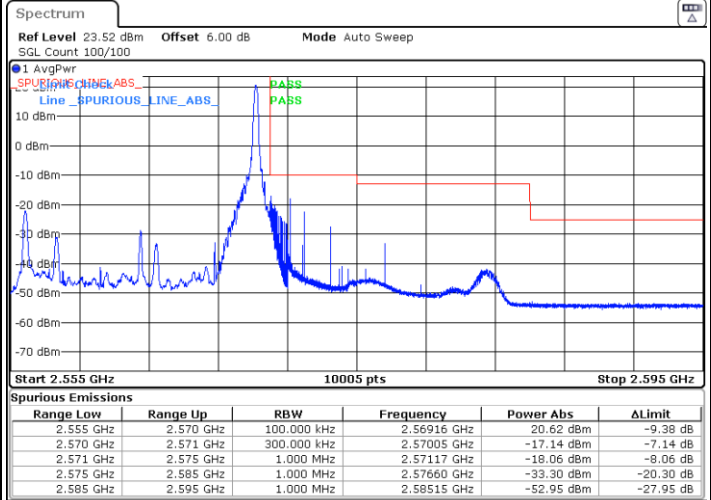
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



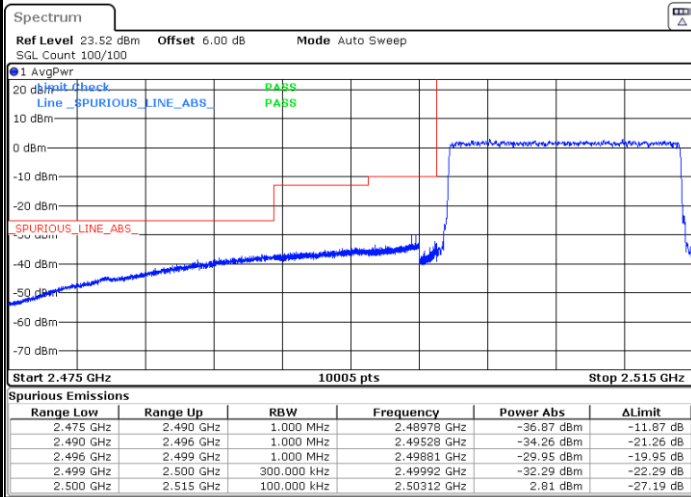
Date: 16.MAR.2022 05:14:05

Highest Band Edge / 1 RB



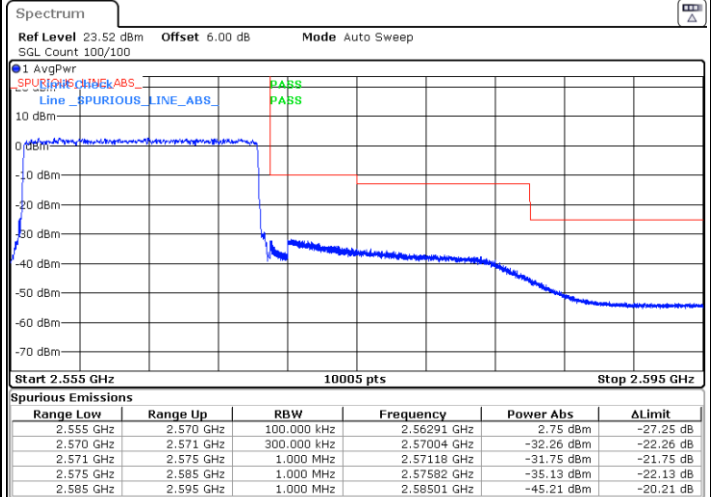
Date: 16.MAR.2022 05:24:19

Lowest Band Edge / Full RB



Date: 16.MAR.2022 05:22:37

Highest Band Edge / Full RB

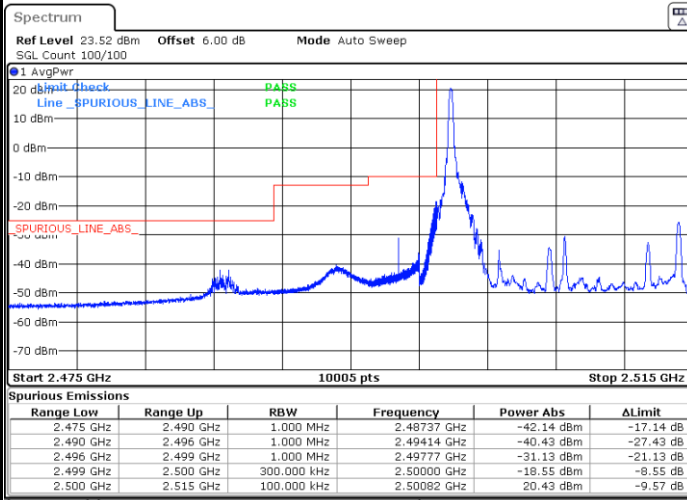


Date: 16.MAR.2022 05:32:49



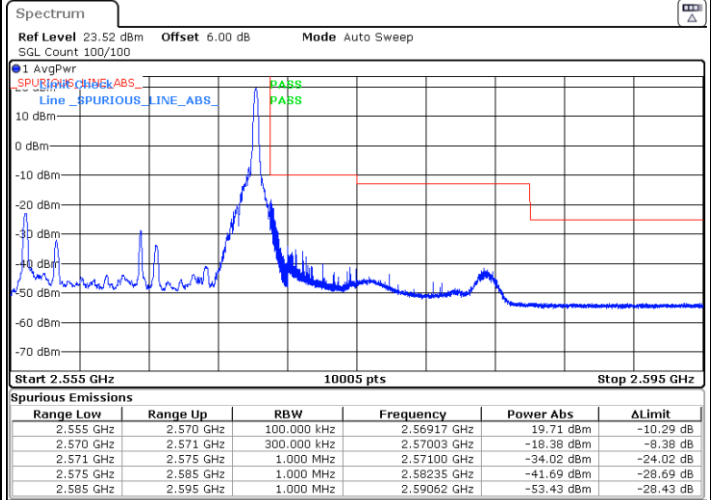
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



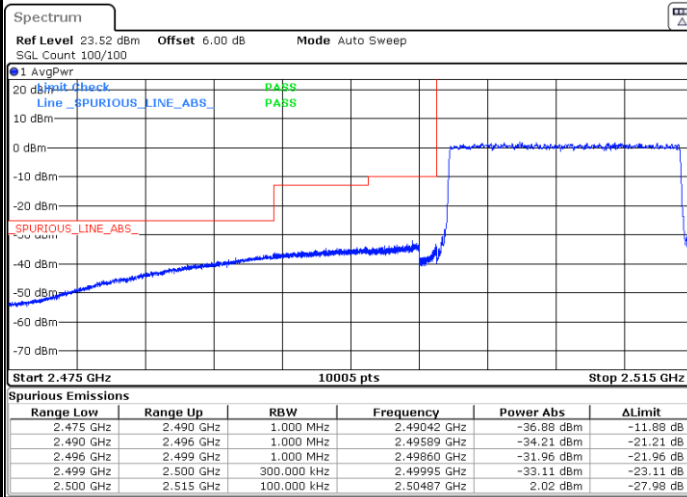
Date: 16.MAR.2022 05:15:47

Highest Band Edge / 1 RB



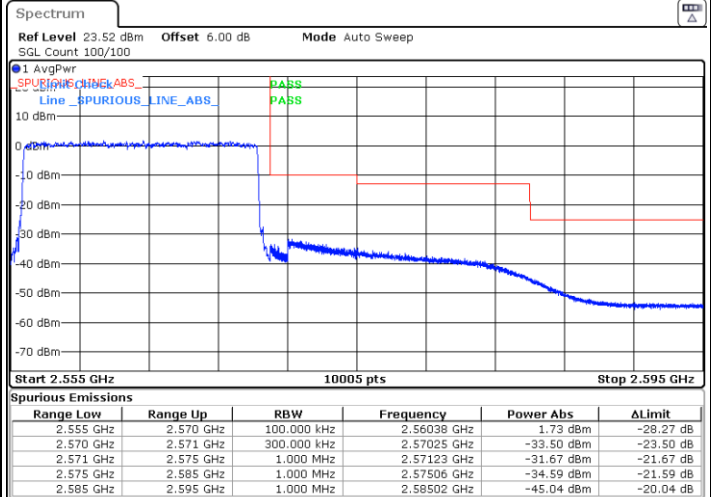
Date: 16.MAR.2022 05:26:01

Lowest Band Edge / Full RB



Date: 16.MAR.2022 05:20:54

Highest Band Edge / Full RB

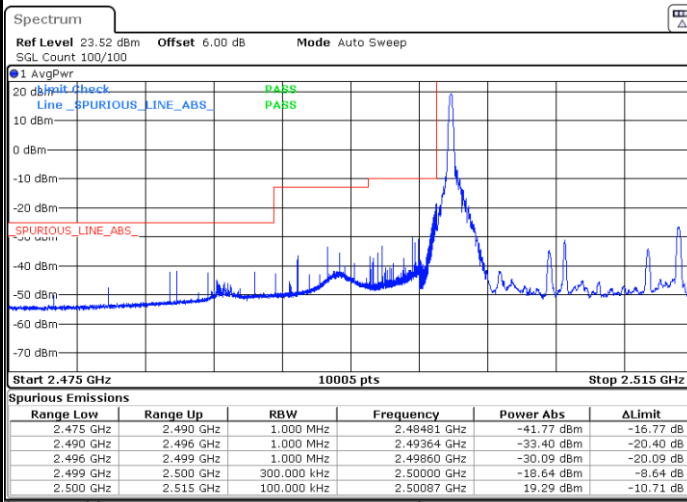


Date: 16.MAR.2022 05:31:07

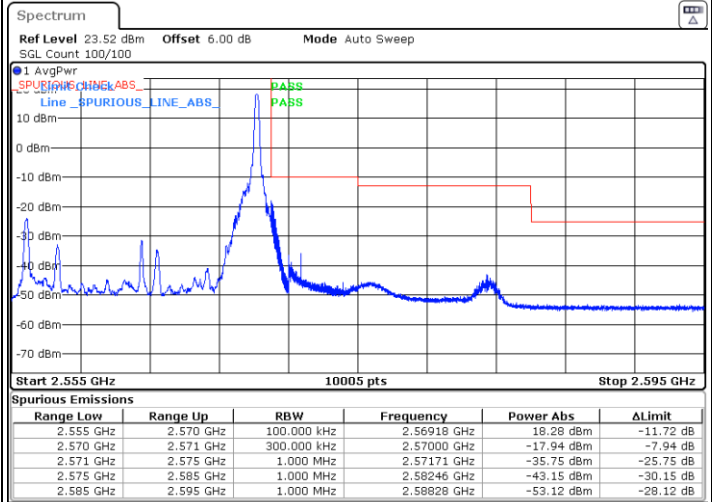


LTE Band 7 / 15MHz / 64QAM

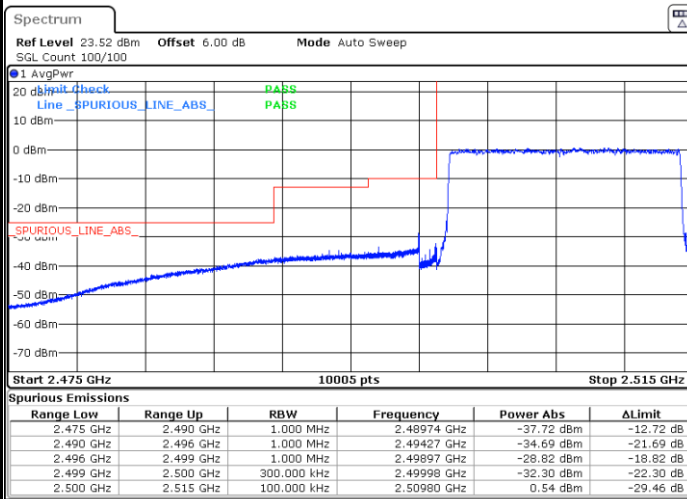
Lowest Band Edge / 1 RB



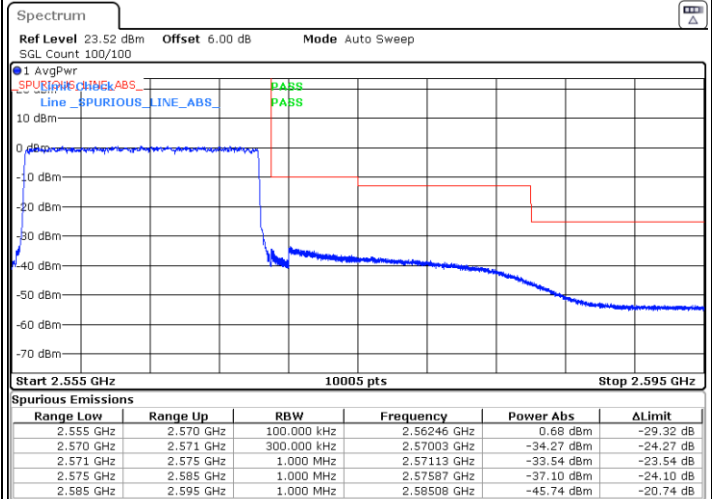
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



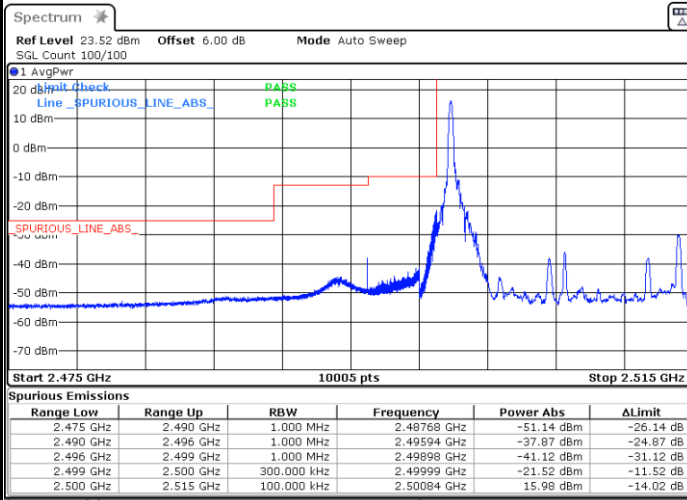
Highest Band Edge / Full RB





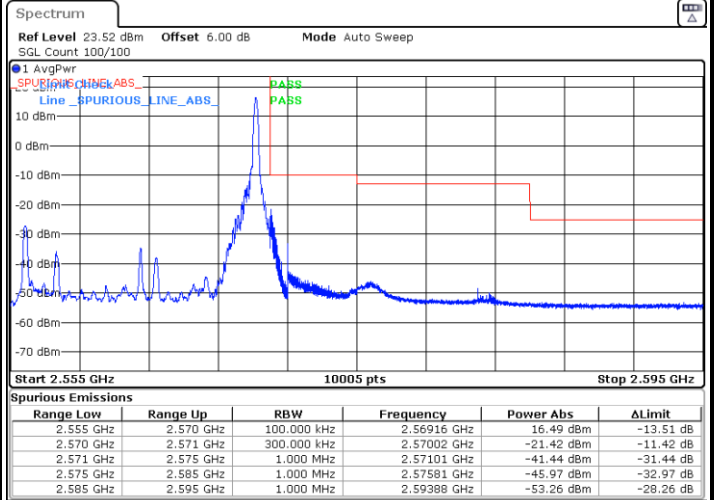
LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



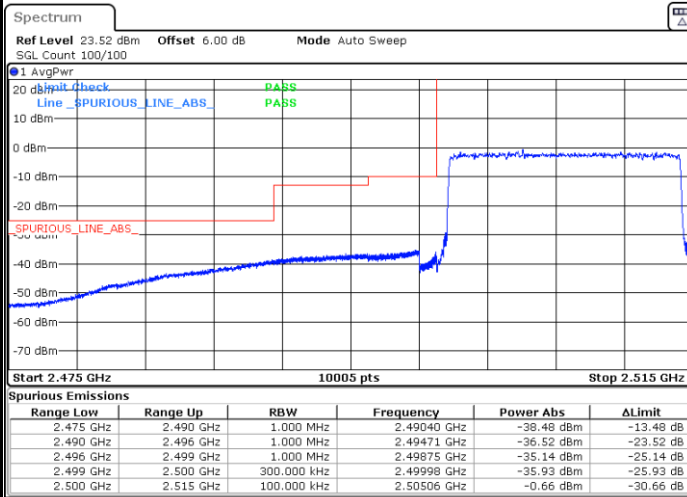
Date: 16.MAR.2022 06:13:19

Highest Band Edge / 1 RB



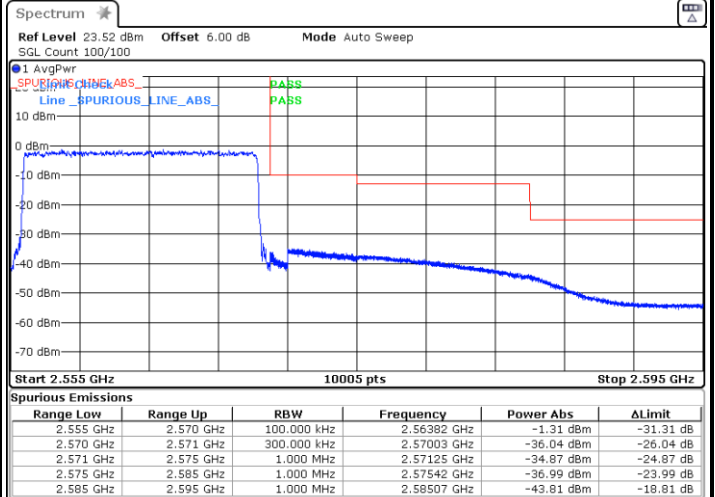
Date: 16.MAR.2022 06:16:08

Lowest Band Edge / Full RB



Date: 16.MAR.2022 06:14:00

Highest Band Edge / Full RB

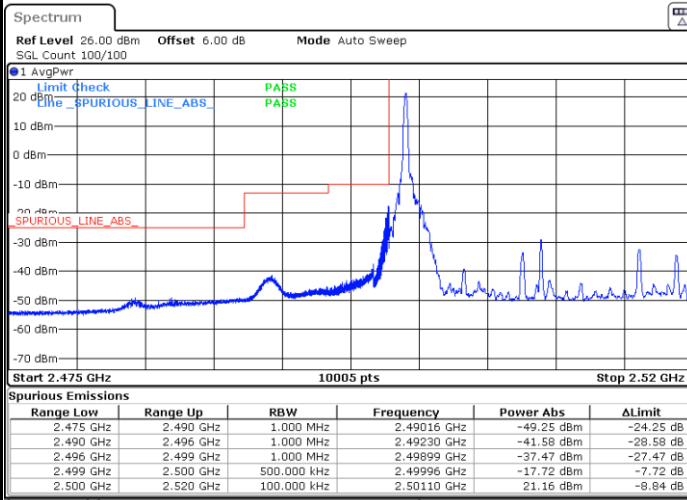


Date: 16.MAR.2022 06:15:21



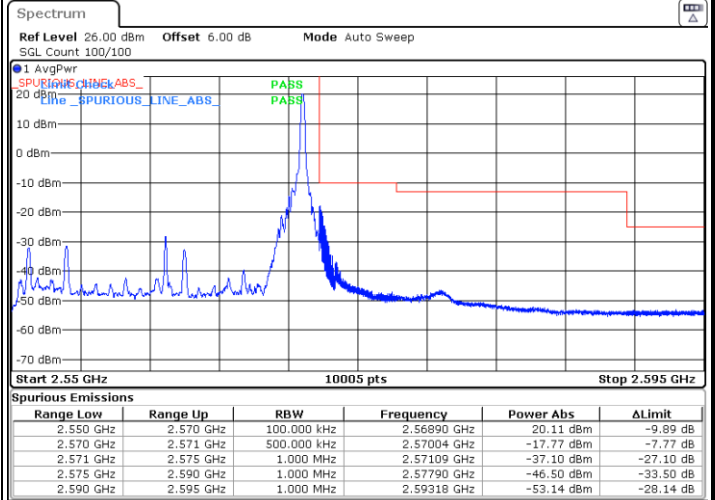
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



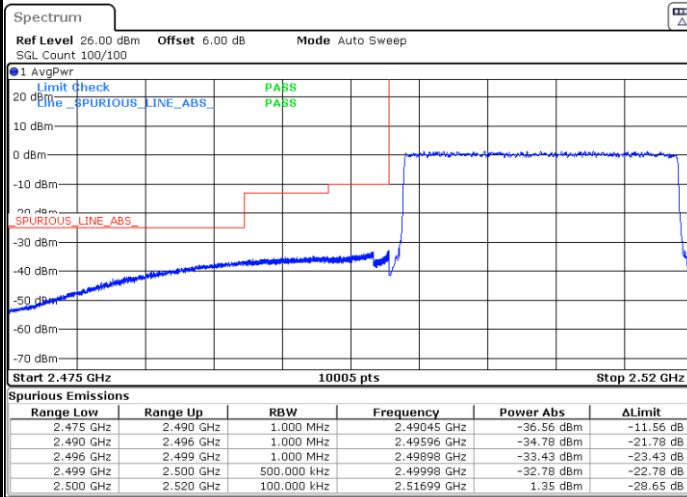
Date: 16.MAR.2022 05:34:33

Highest Band Edge / 1 RB



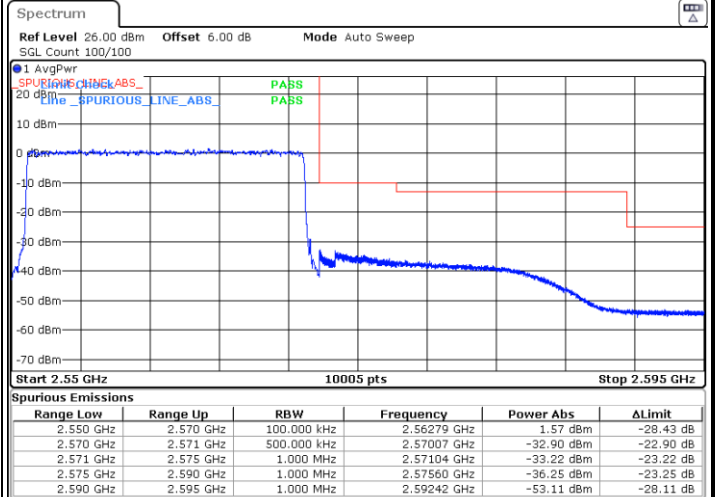
Date: 16.MAR.2022 05:44:48

Lowest Band Edge / Full RB



Date: 16.MAR.2022 05:43:05

Highest Band Edge / Full RB

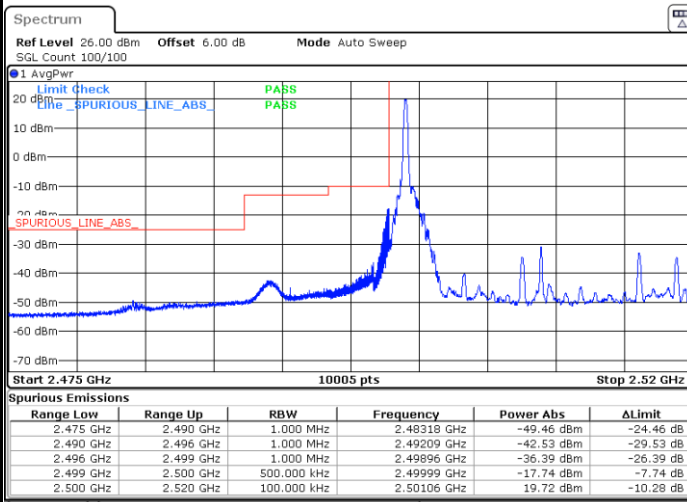


Date: 16.MAR.2022 05:53:18



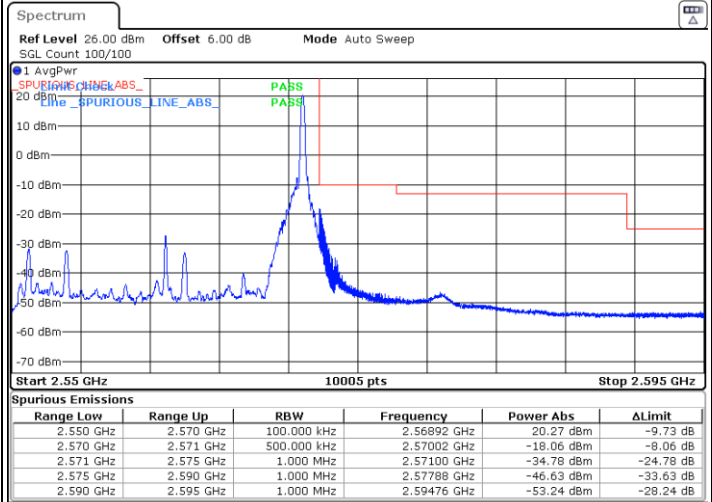
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



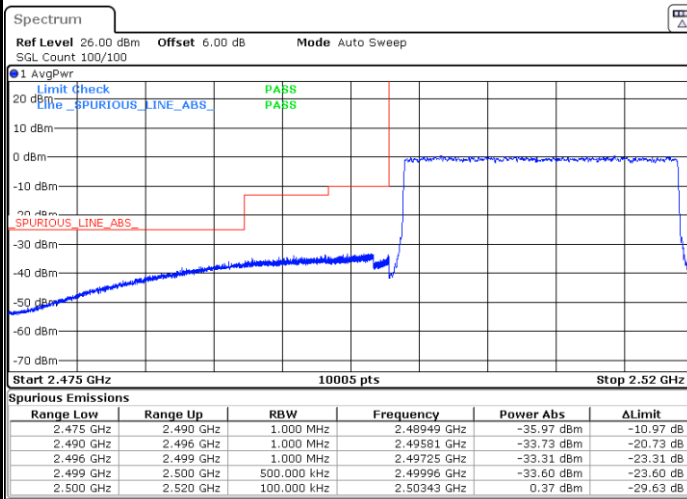
Date: 16.MAR.2022 05:36:16

Highest Band Edge / 1 RB



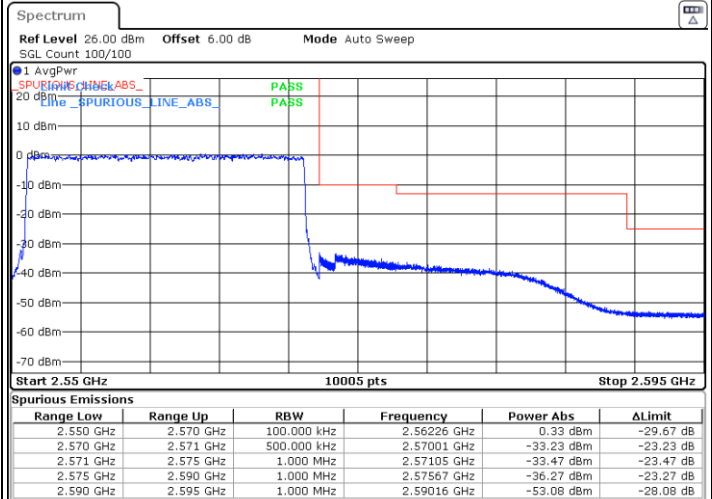
Date: 16.MAR.2022 05:46:30

Lowest Band Edge / Full RB



Date: 16.MAR.2022 05:41:23

Highest Band Edge / Full RB



Date: 16.MAR.2022 05:51:36