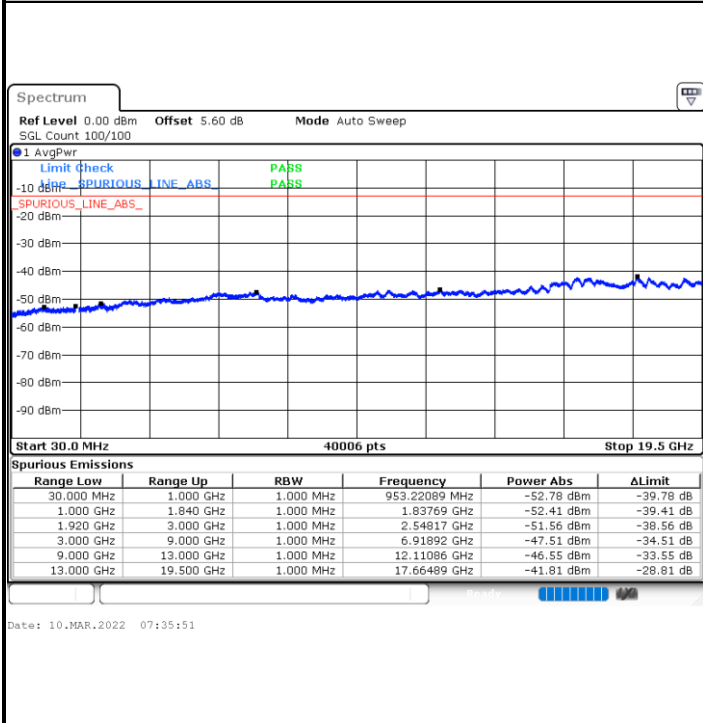


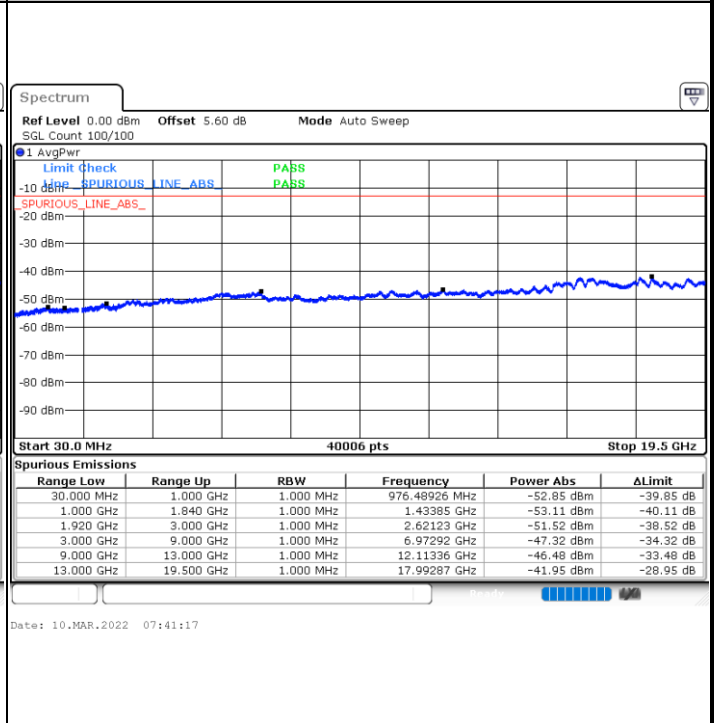


**LTE Band 2 / 10MHz**

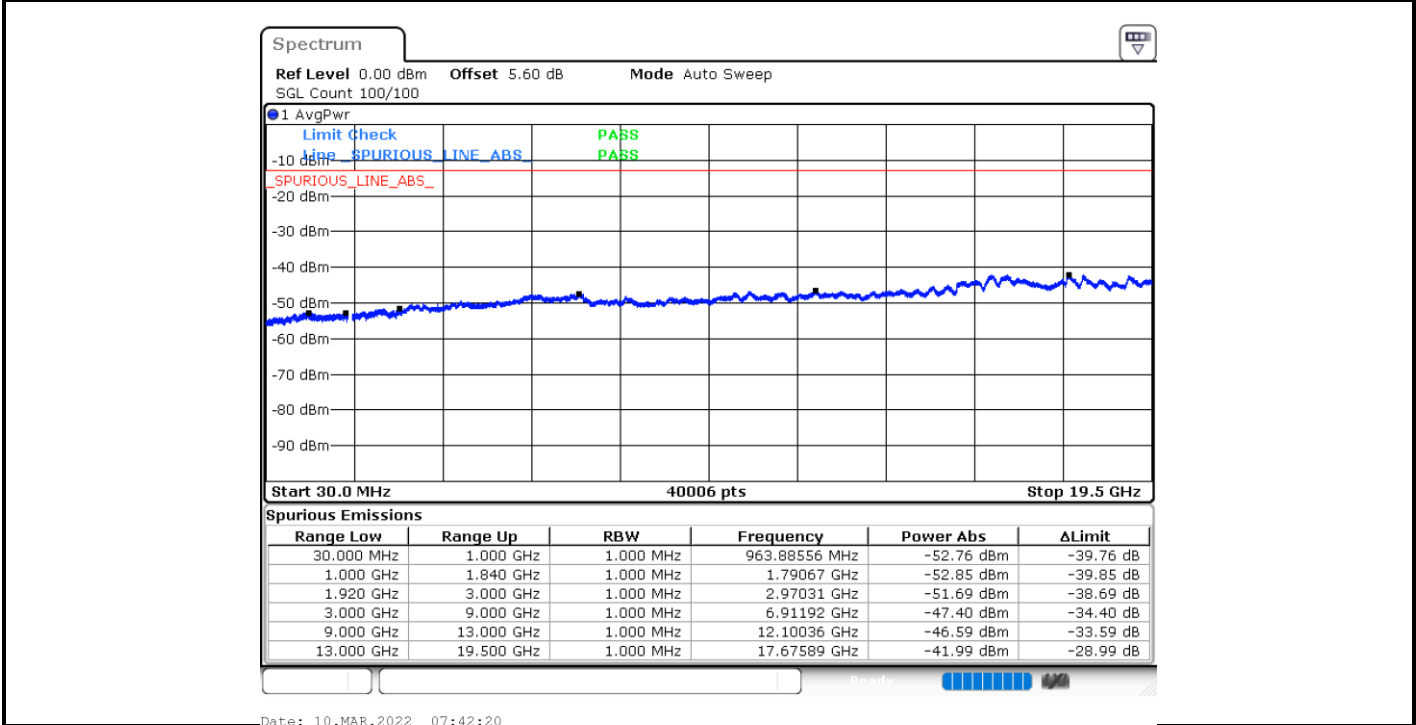
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



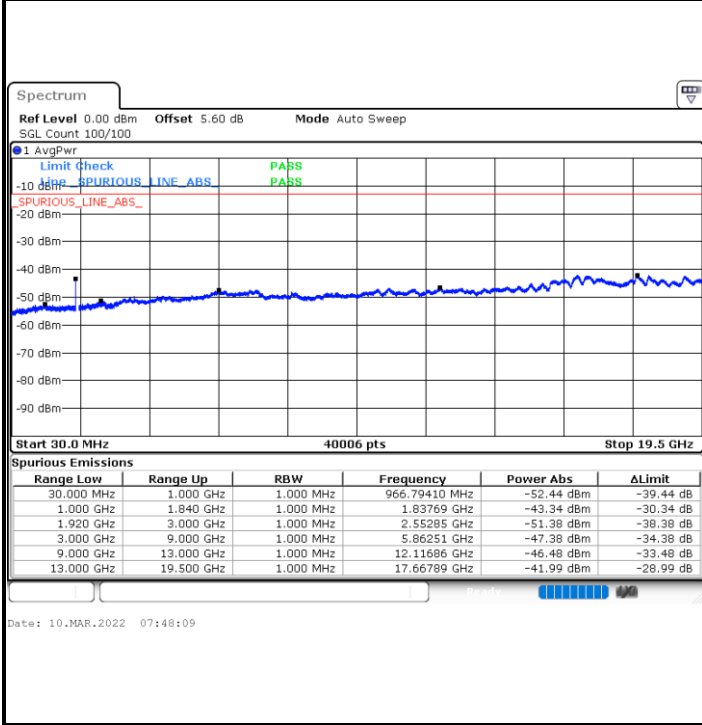
**Highest Channel / QPSK**



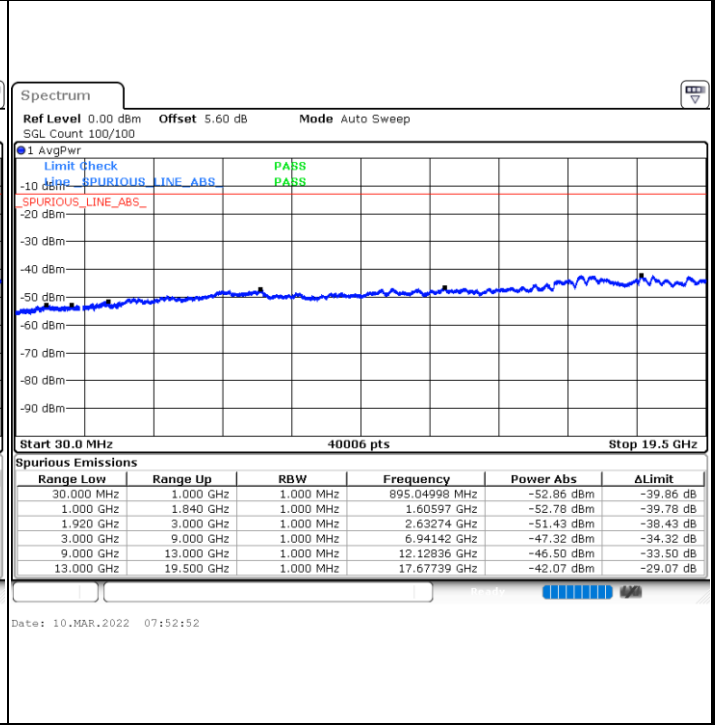


**LTE Band 2 / 15MHz**

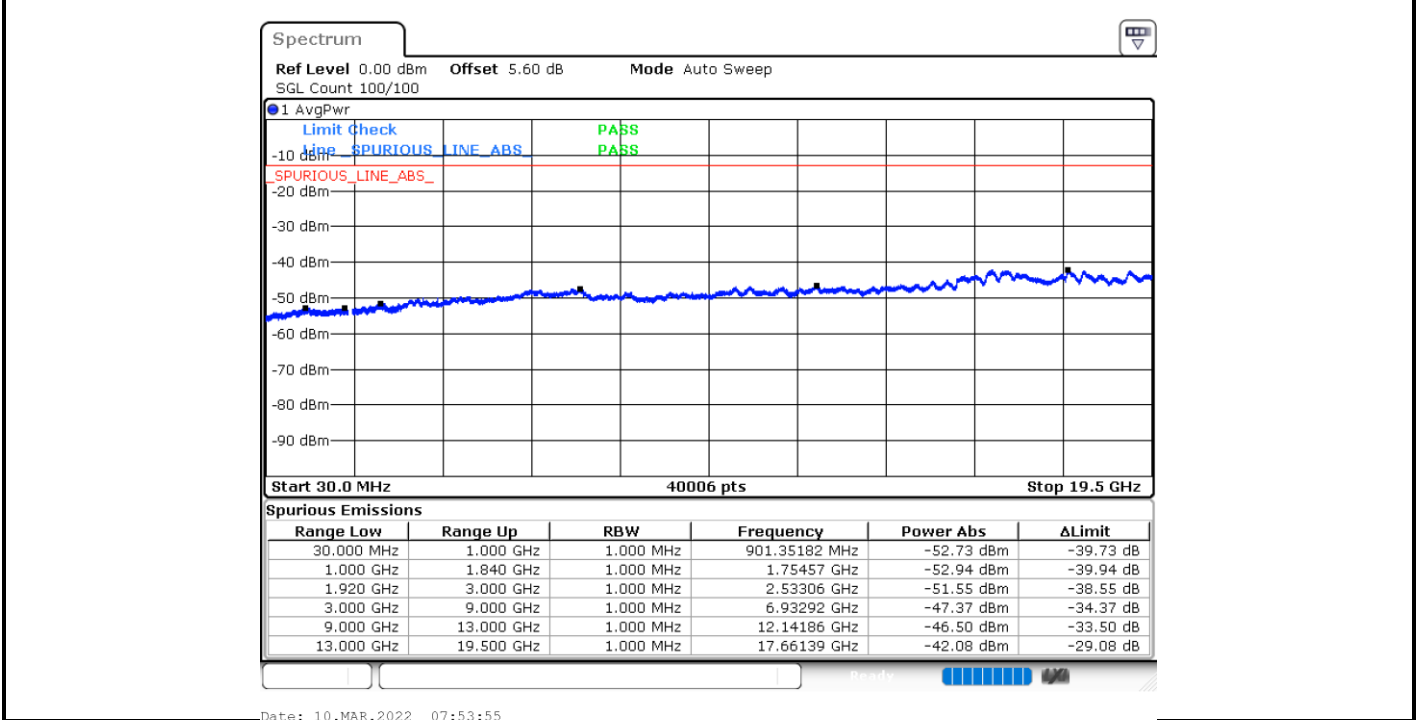
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

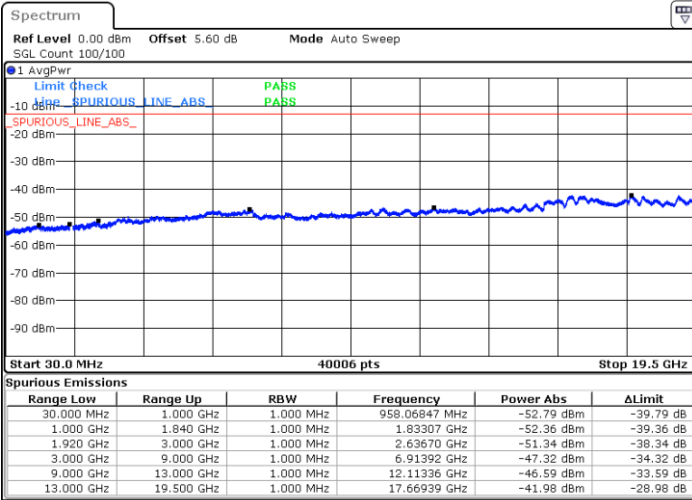




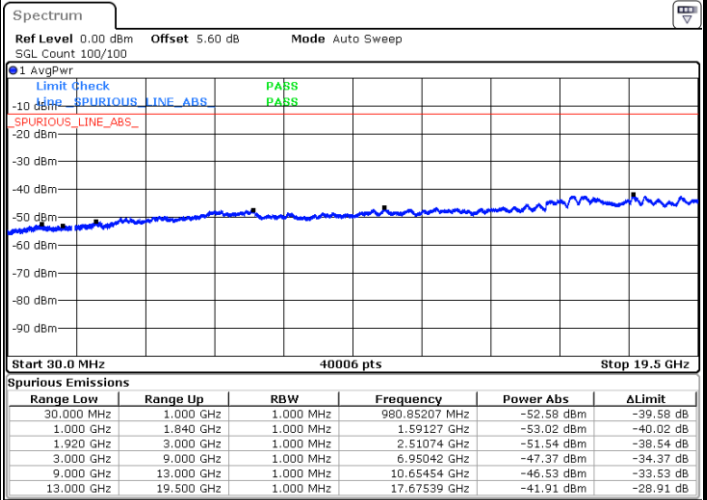
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

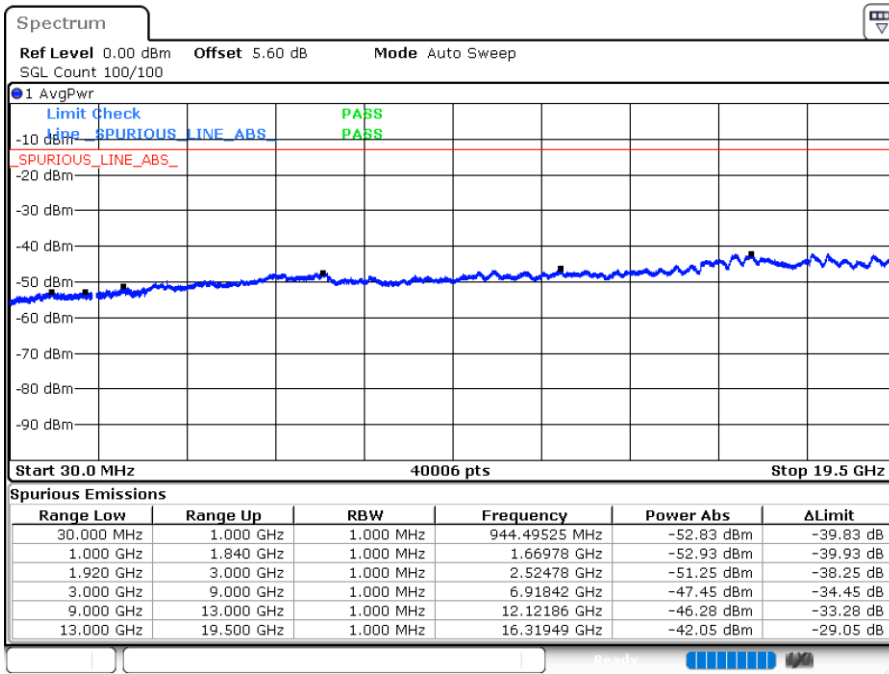


Date: 10.MAR.2022 07:59:28



Date: 10.MAR.2022 08:04:14

Highest Channel / QPSK



Date: 10.MAR.2022 08:05:17



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0030	
20	Battery End Point	0.0021	

Note:

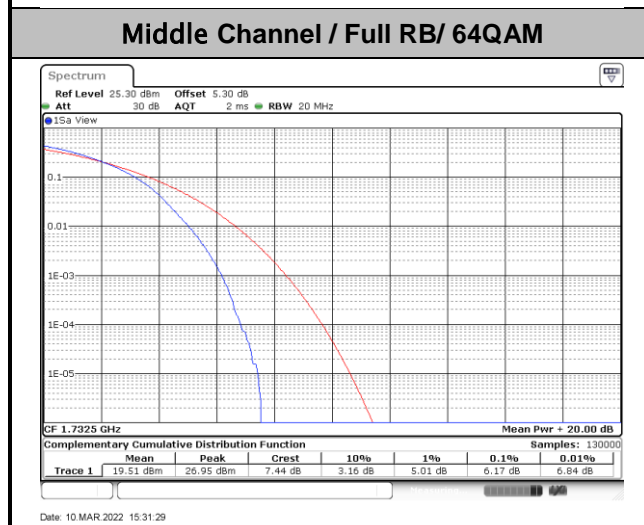
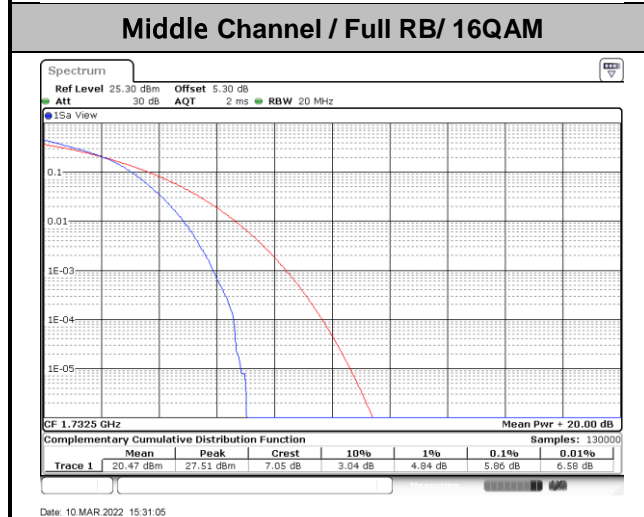
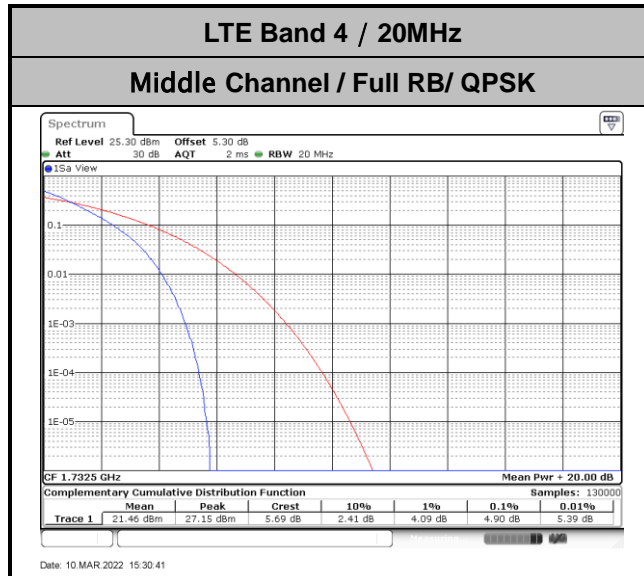
1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 4

### Peak-to-Average Ratio

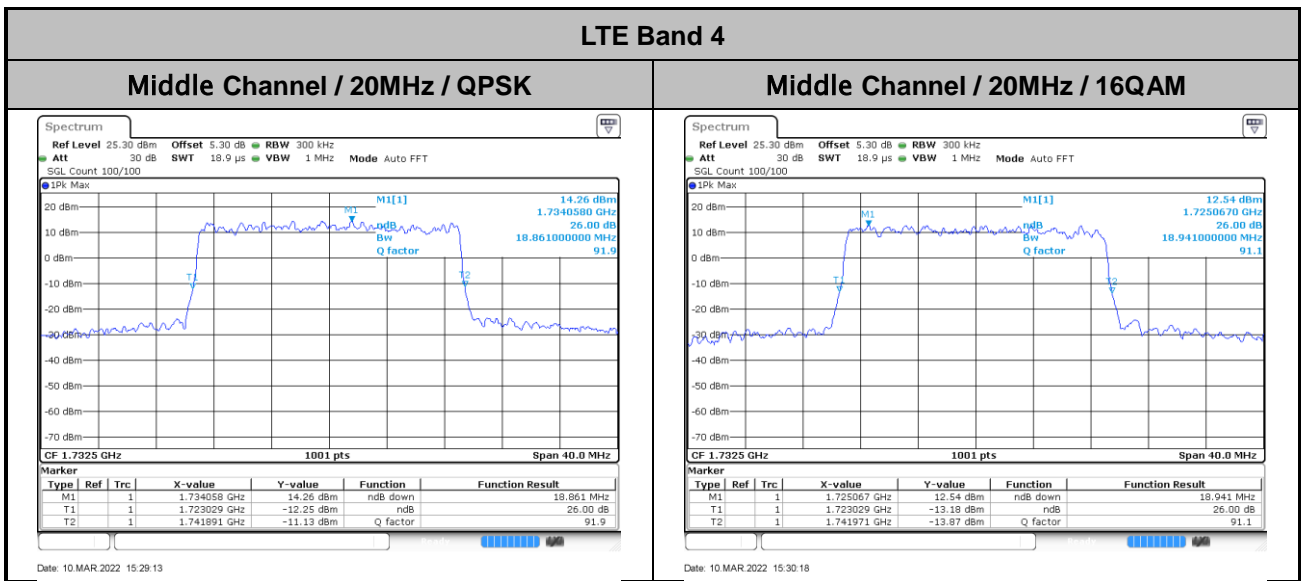
Mode	LTE Band 4 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.9	5.86	6.17	<b>PASS</b>





## 26dB Bandwidth

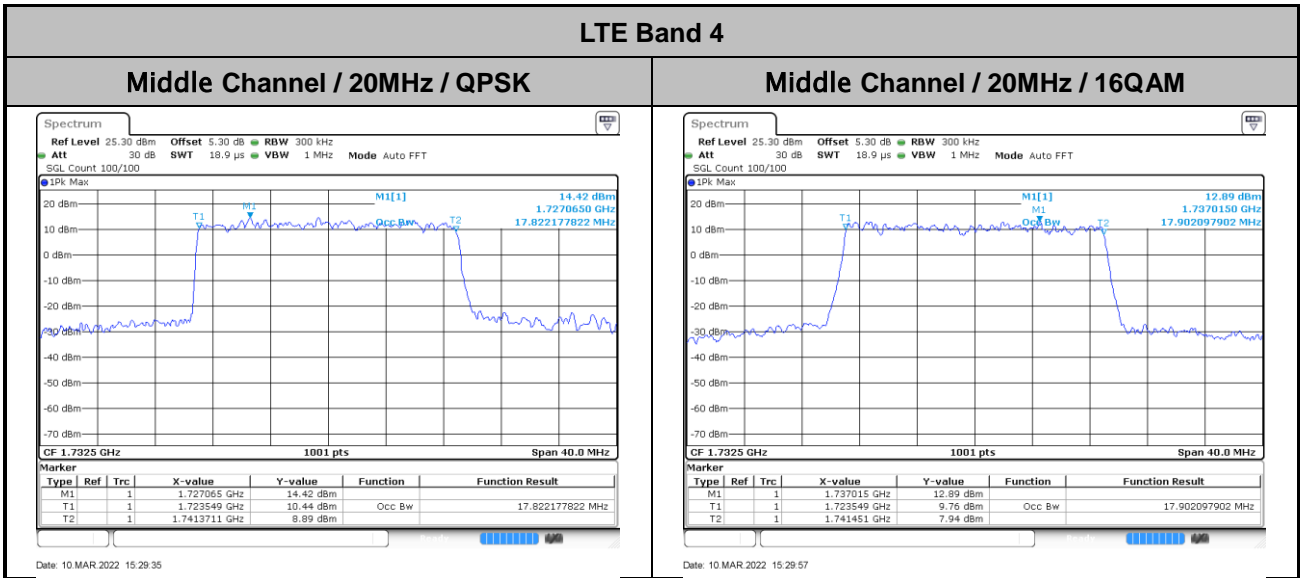
Mode	LTE Band 4 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.86	18.94





# Occupied Bandwidth

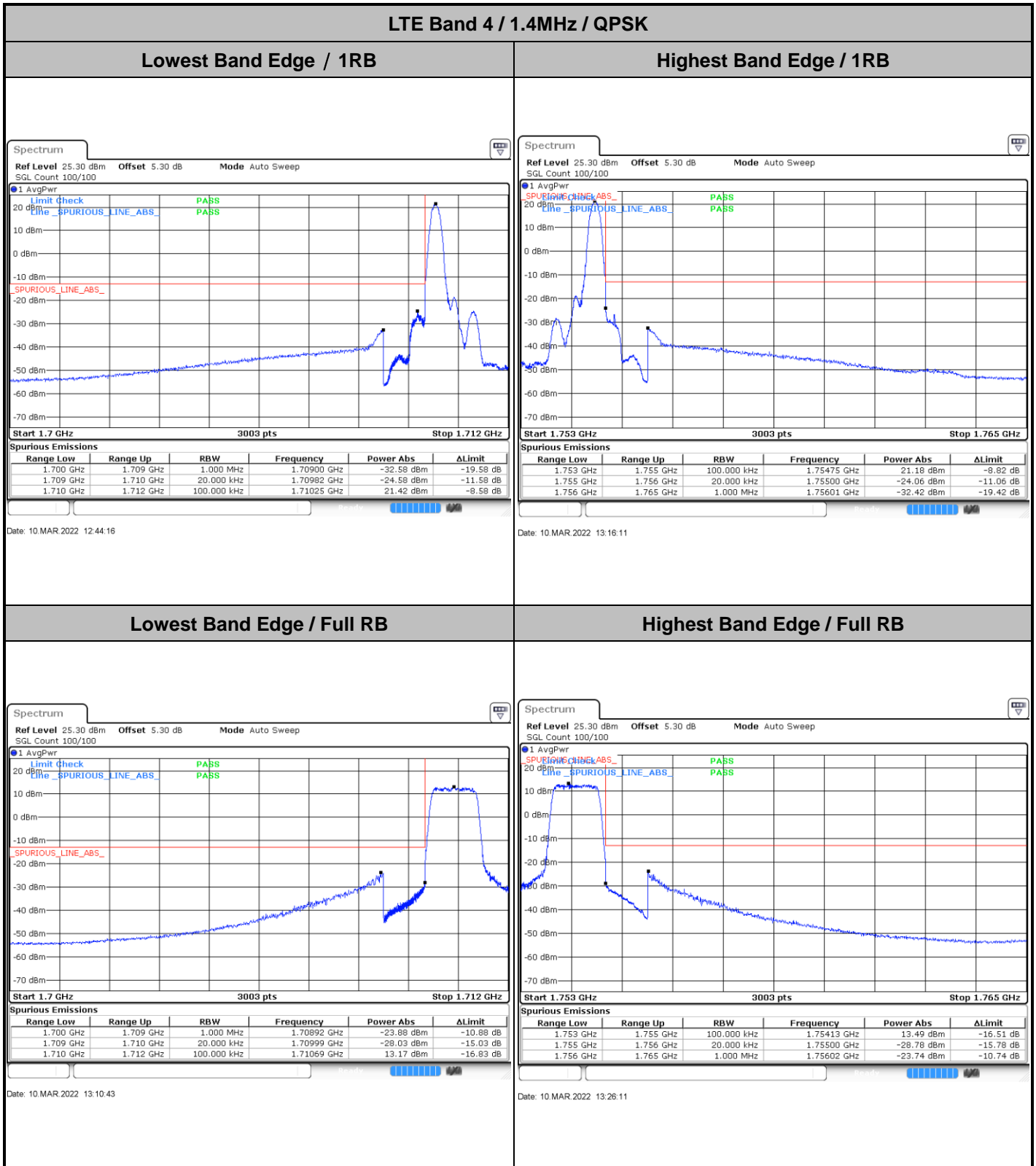
Mode	LTE Band 4 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.90







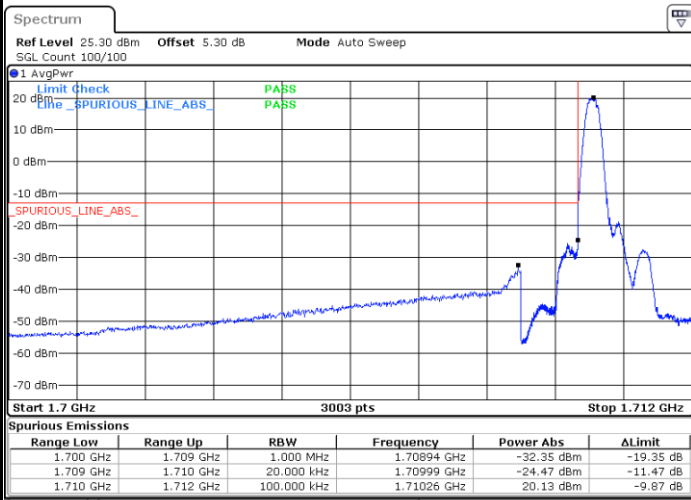
# Conducted Band Edge





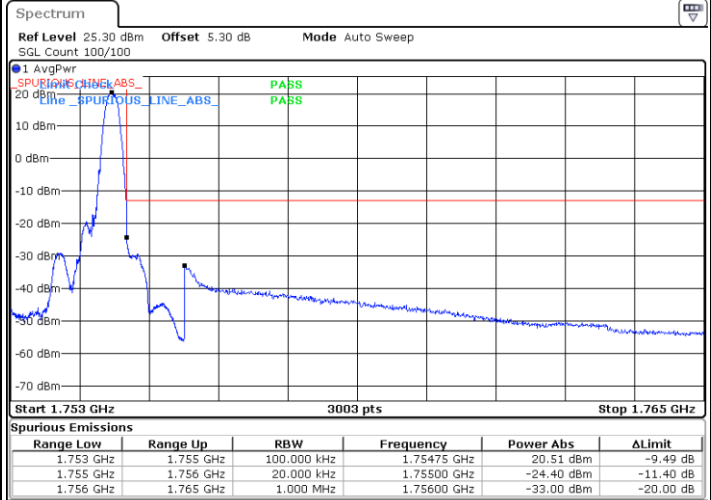
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



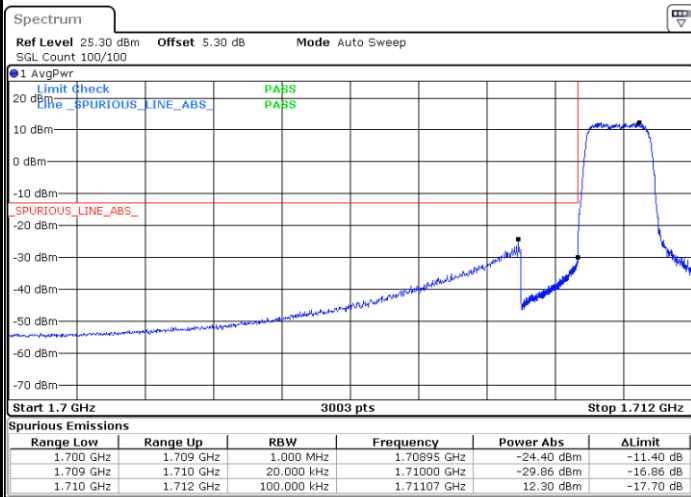
Date: 10. MAR 2022 13:07:57

Highest Band Edge / 1 RB



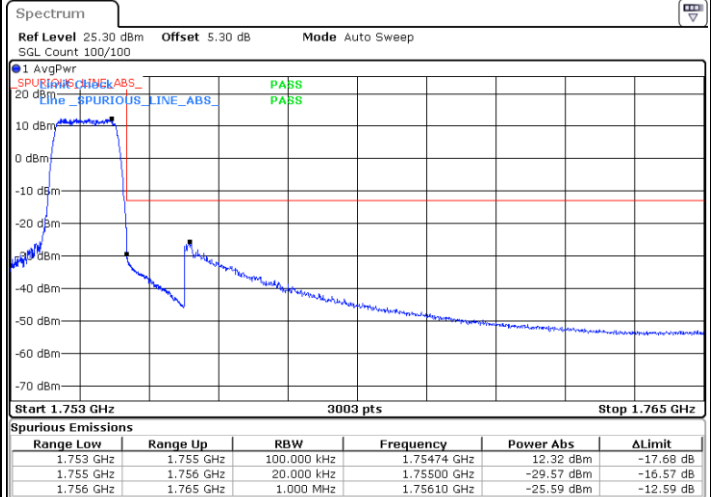
Date: 10. MAR 2022 13:17:29

Lowest Band Edge / Full RB



Date: 10. MAR 2022 13:09:22

Highest Band Edge / Full RB

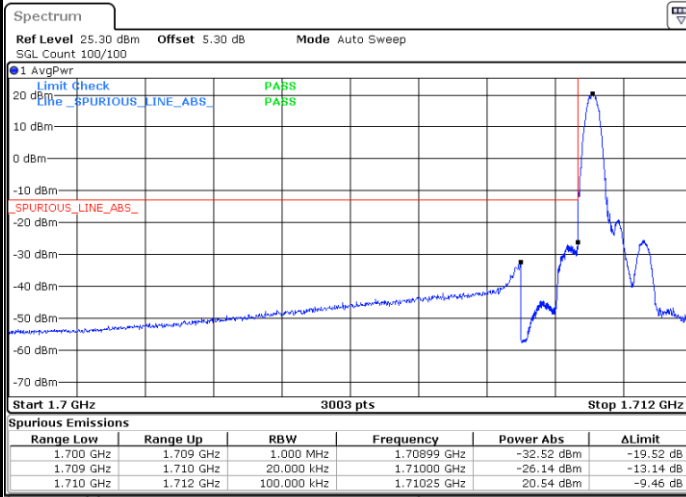


Date: 10. MAR 2022 13:27:50



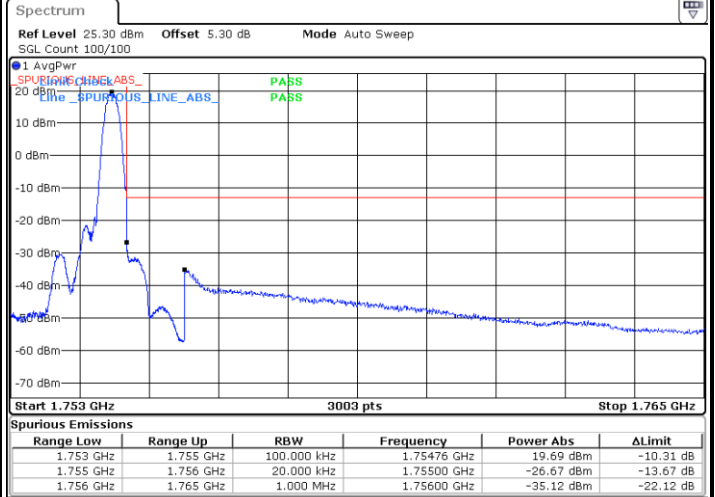
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



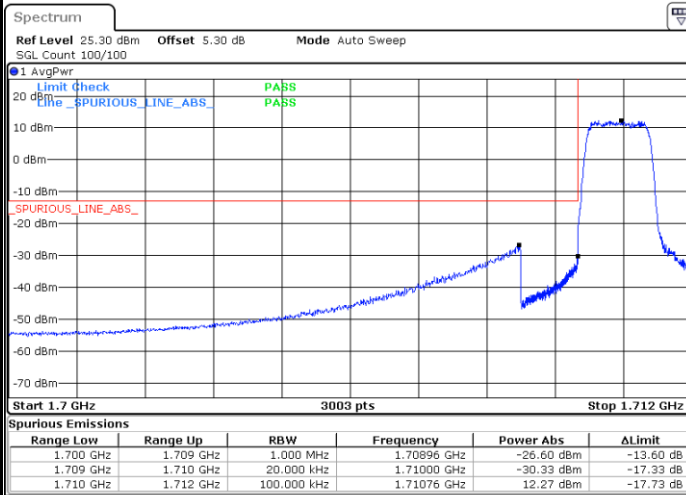
Date: 10.MAR.2022 12:46:16

Highest Band Edge / 1 RB



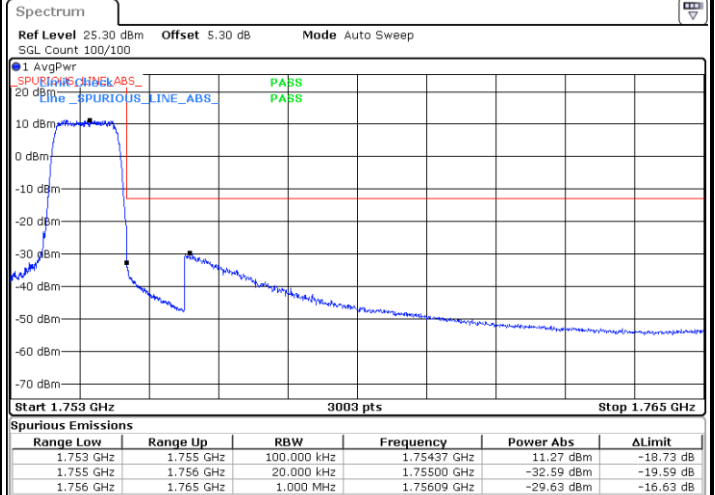
Date: 10.MAR.2022 13:03:43

Lowest Band Edge / Full RB



Date: 10.MAR.2022 12:47:56

Highest Band Edge / Full RB

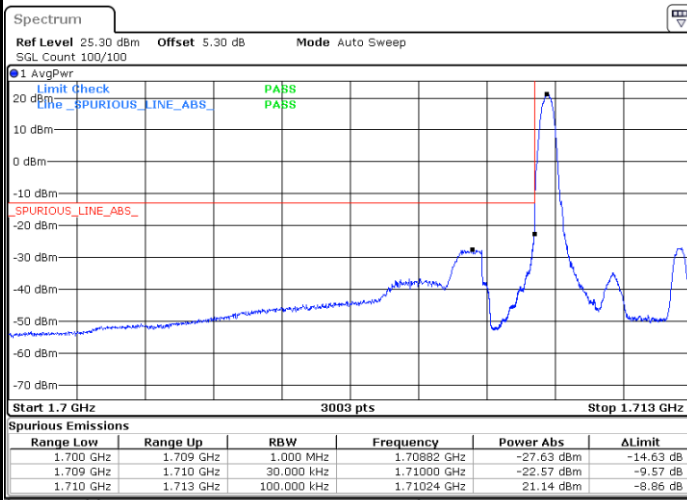


Date: 10.MAR.2022 13:02:02



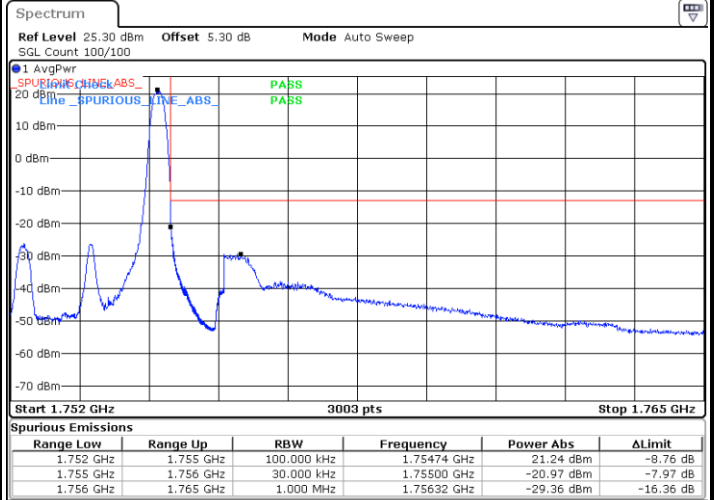
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



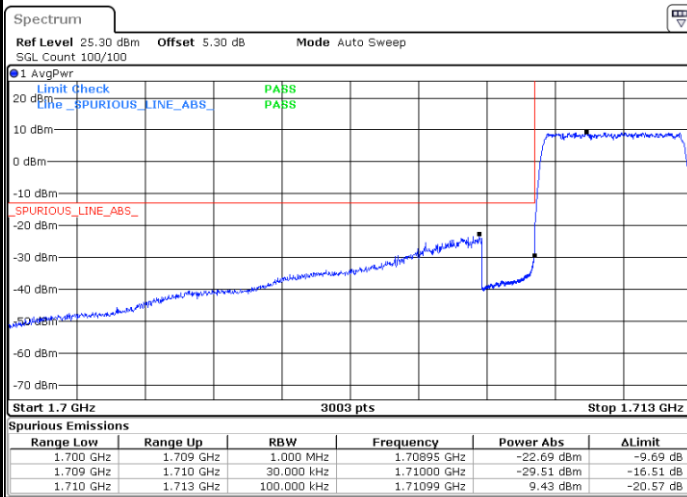
Date: 10.MAR.2022 13:31:37

Highest Band Edge / 1 RB



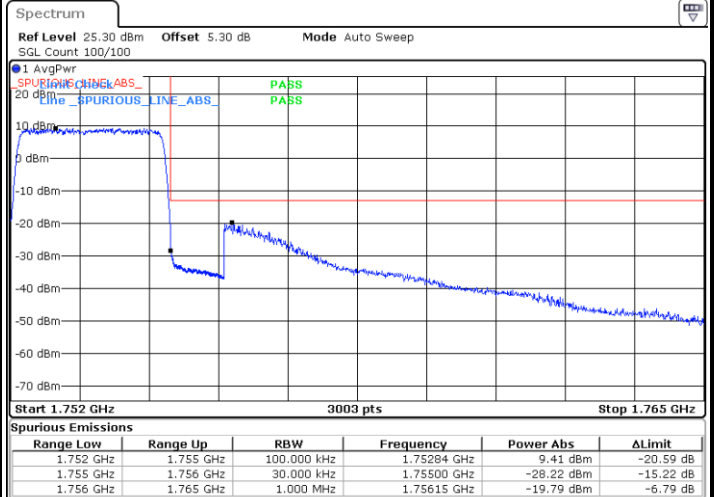
Date: 10.MAR.2022 13:44:19

Lowest Band Edge / Full RB



Date: 10.MAR.2022 13:39:58

Highest Band Edge / Full RB

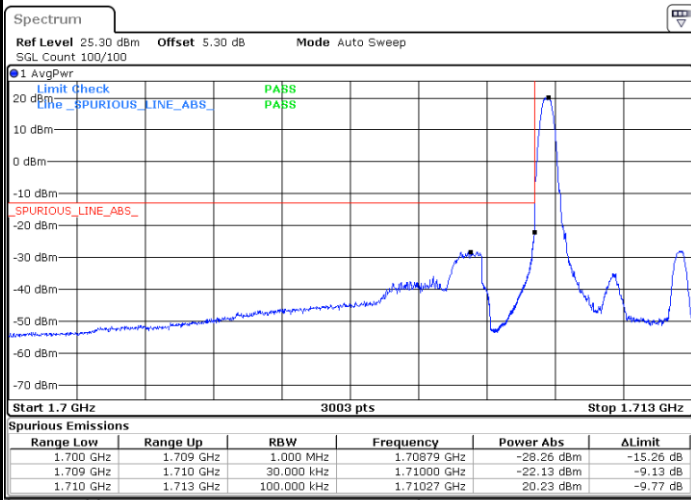


Date: 10.MAR.2022 13:52:39



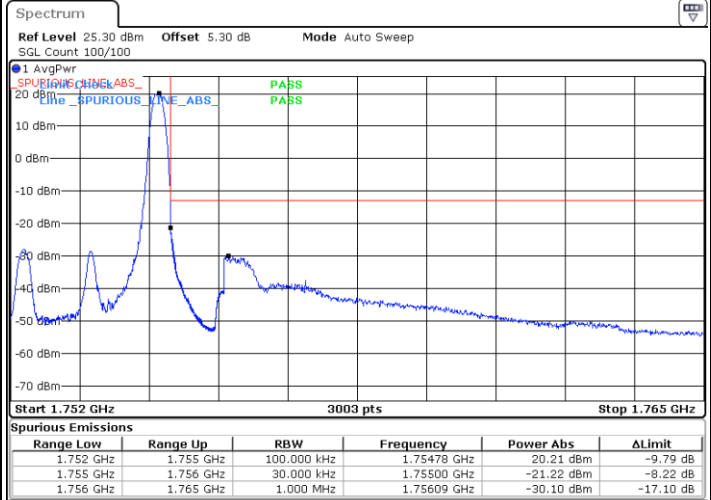
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



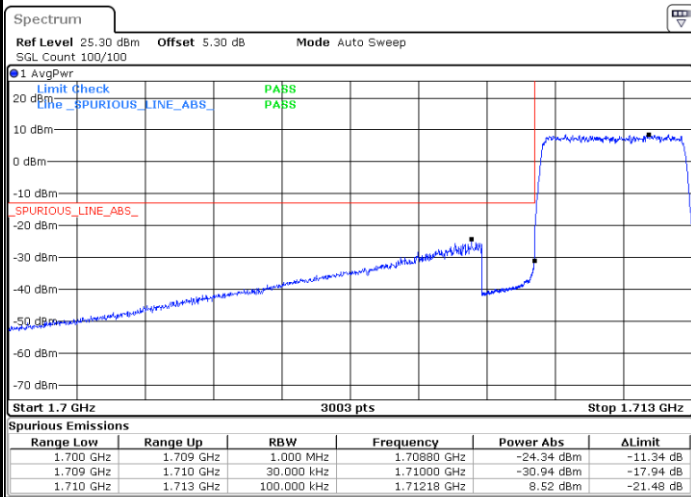
Date: 10. MAR 2022 13:33:18

Highest Band Edge / 1 RB



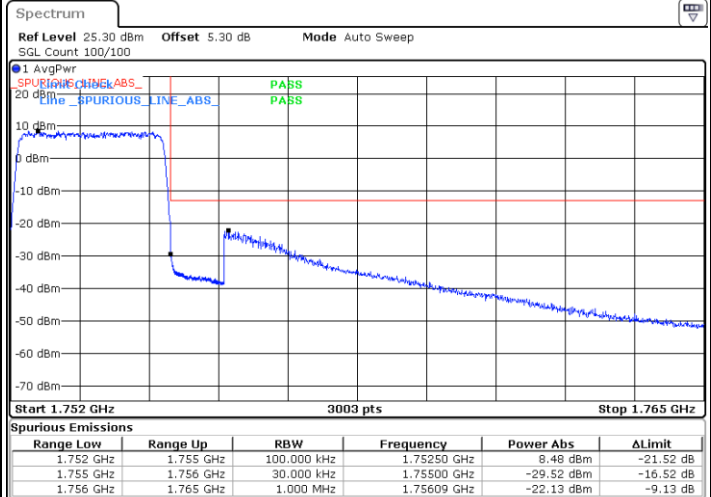
Date: 10. MAR 2022 13:45:59

Lowest Band Edge / Full RB



Date: 10. MAR 2022 13:38:18

Highest Band Edge / Full RB

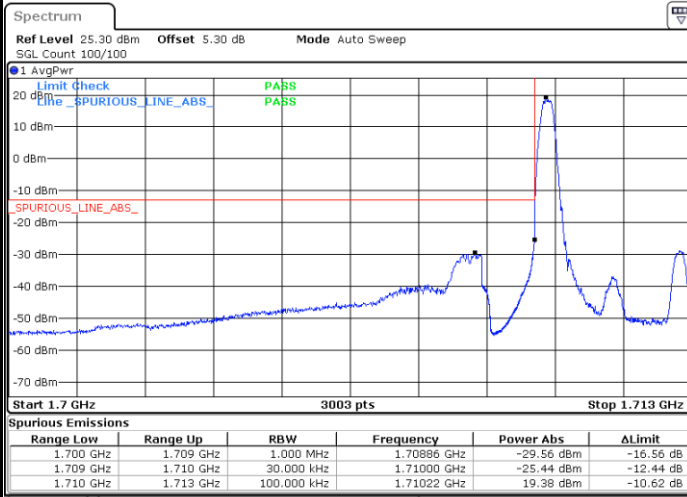


Date: 10. MAR 2022 13:50:59



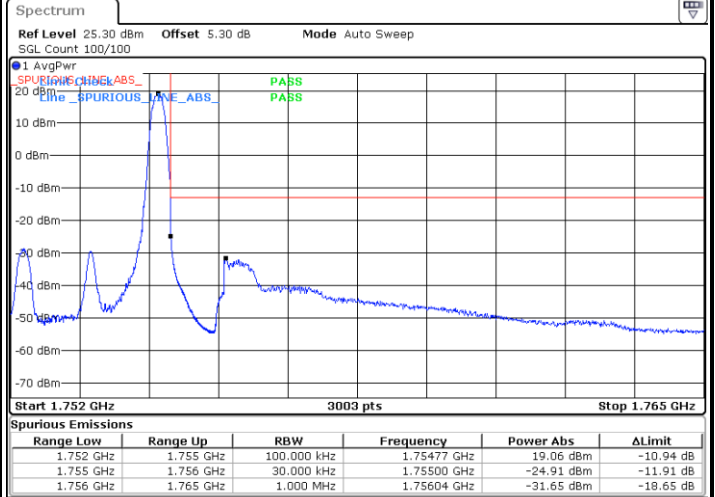
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



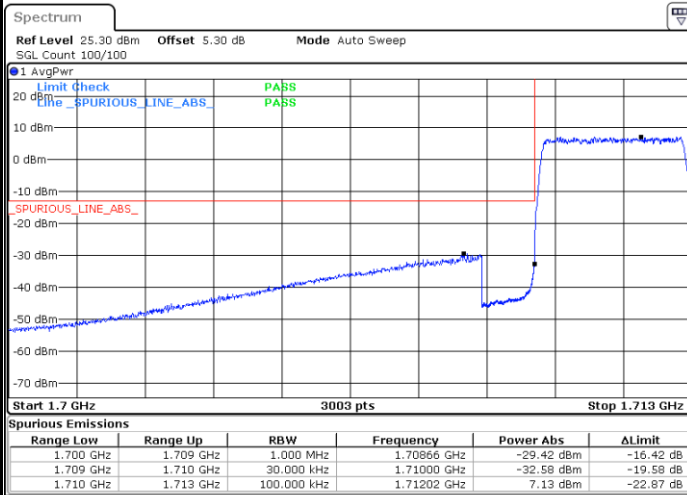
Date: 10. MAR 2022 13:34:58

Highest Band Edge / 1 RB



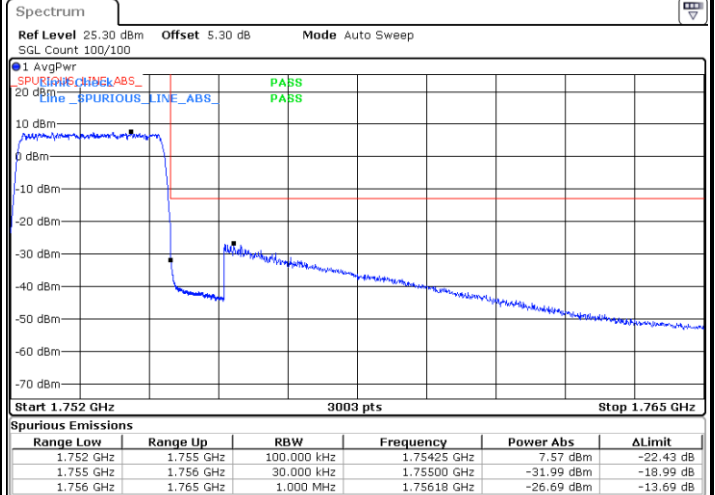
Date: 10. MAR 2022 13:47:39

Lowest Band Edge / Full RB



Date: 10. MAR 2022 13:36:38

Highest Band Edge / Full RB

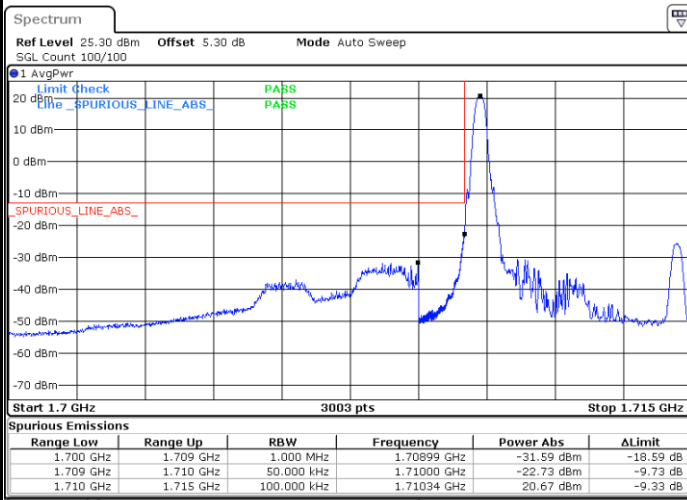


Date: 10. MAR 2022 13:49:19



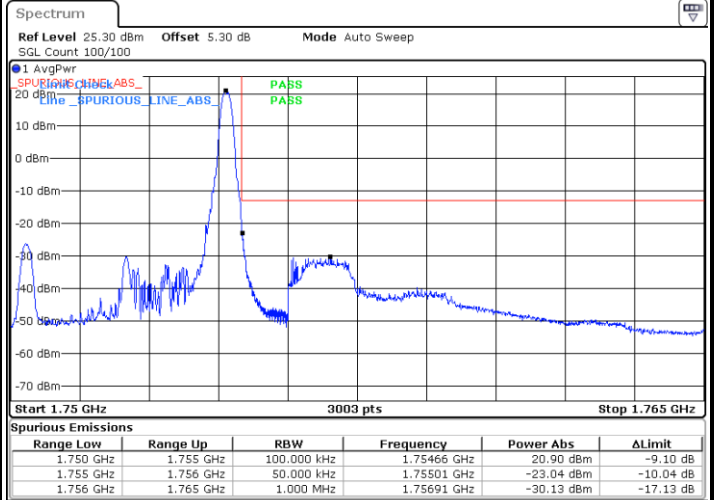
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



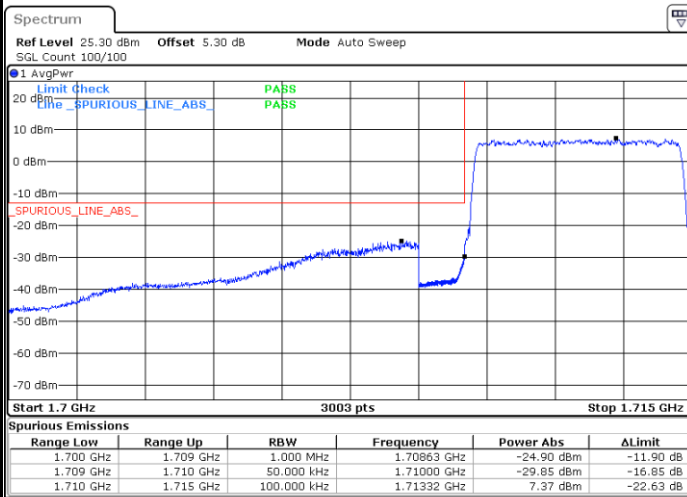
Date: 10.MAR.2022 13:55:41

Highest Band Edge / 1 RB



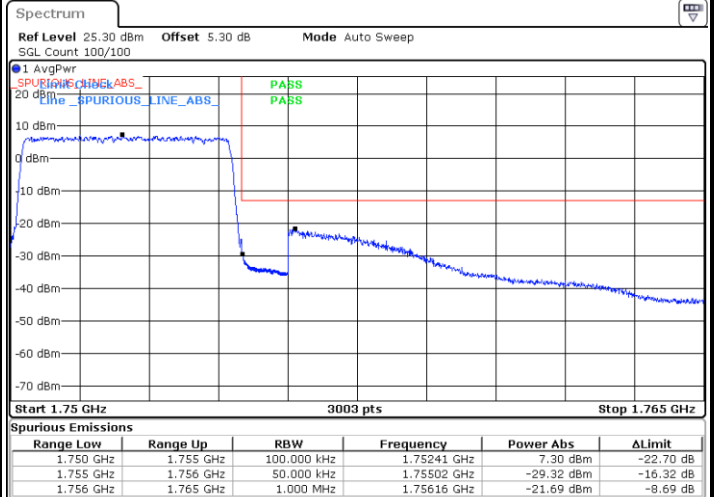
Date: 10.MAR.2022 14:08:21

Lowest Band Edge / Full RB



Date: 10.MAR.2022 14:04:01

Highest Band Edge / Full RB

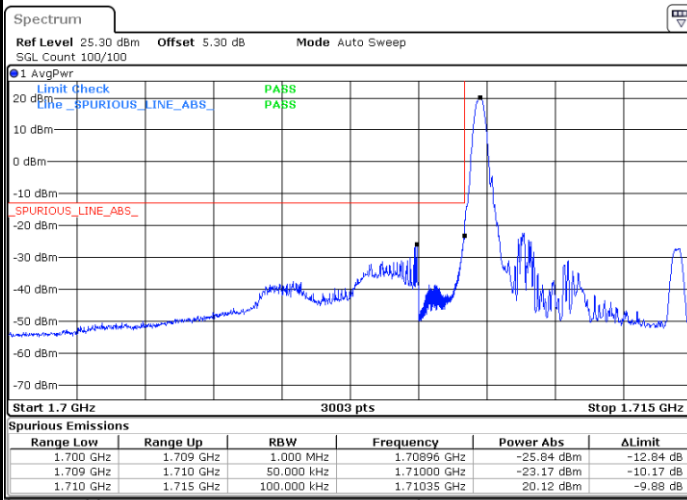


Date: 10.MAR.2022 14:16:43



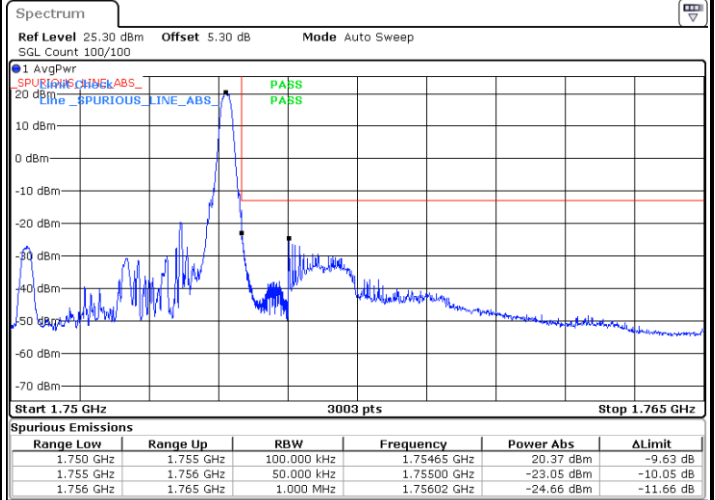
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



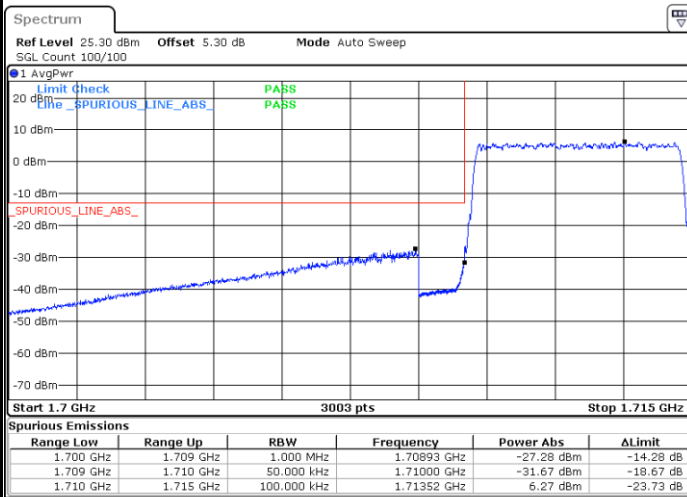
Date: 10. MAR 2022 13:57:21

Highest Band Edge / 1 RB



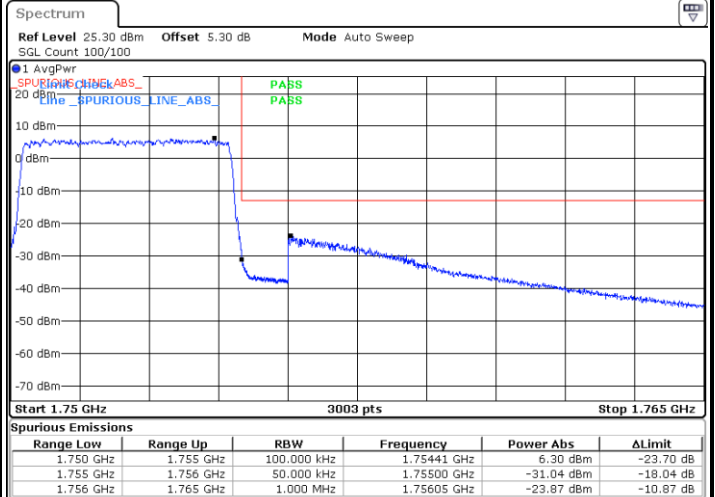
Date: 10. MAR 2022 14:10:02

Lowest Band Edge / Full RB



Date: 10. MAR 2022 14:02:21

Highest Band Edge / Full RB



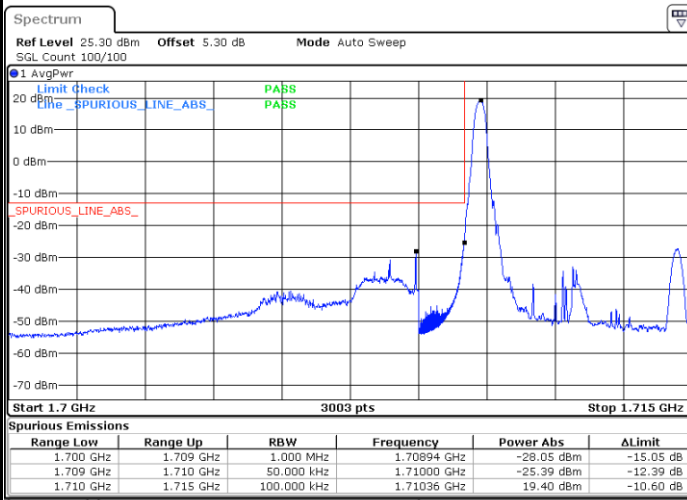
Date: 10. MAR 2022 14:15:02





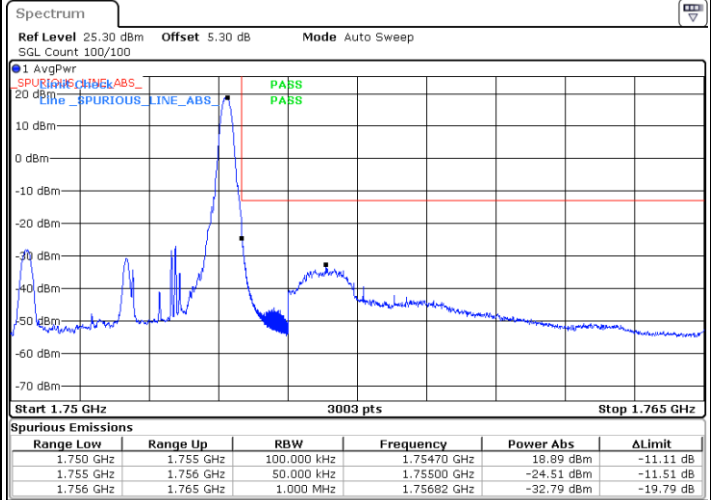
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



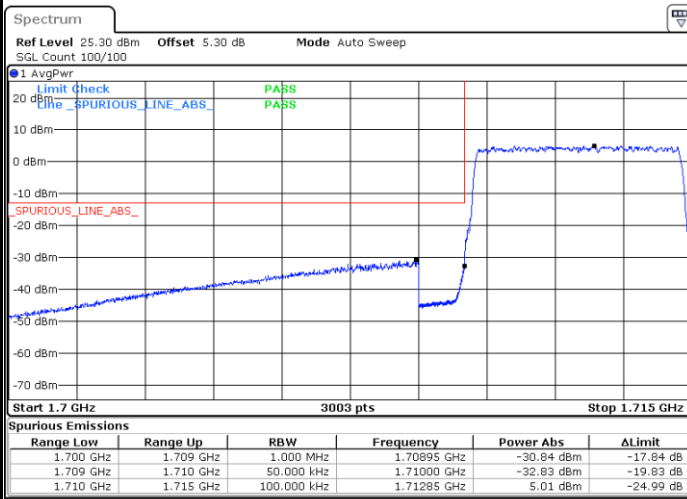
Date: 10. MAR 2022 13:59:01

Highest Band Edge / 1 RB



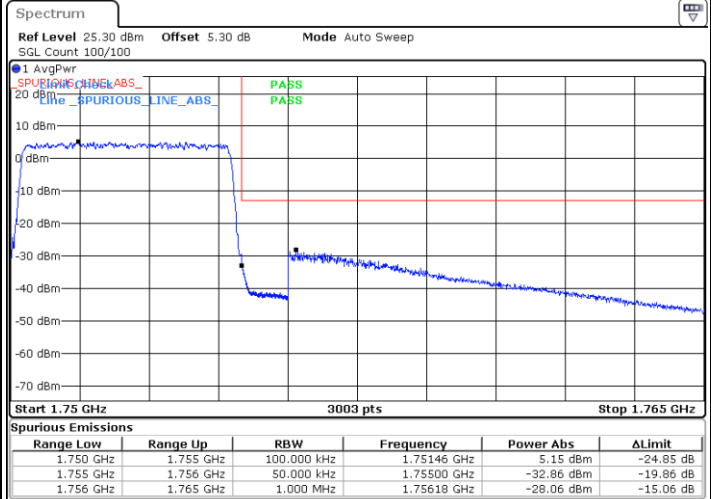
Date: 10. MAR 2022 14:11:42

Lowest Band Edge / Full RB



Date: 10. MAR 2022 14:00:41

Highest Band Edge / Full RB

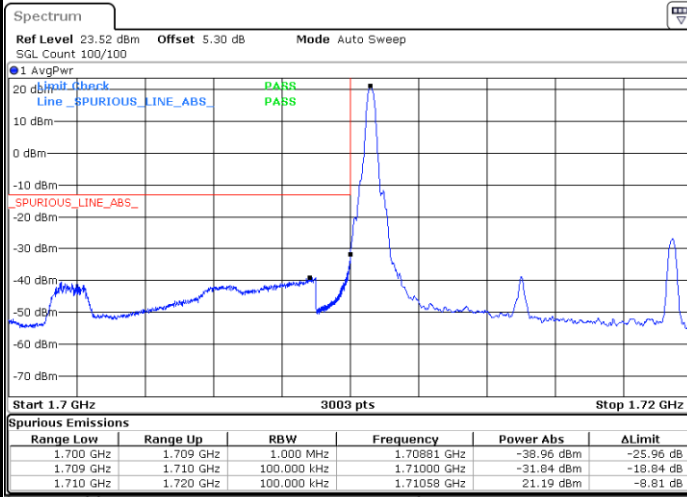


Date: 10. MAR 2022 14:13:22



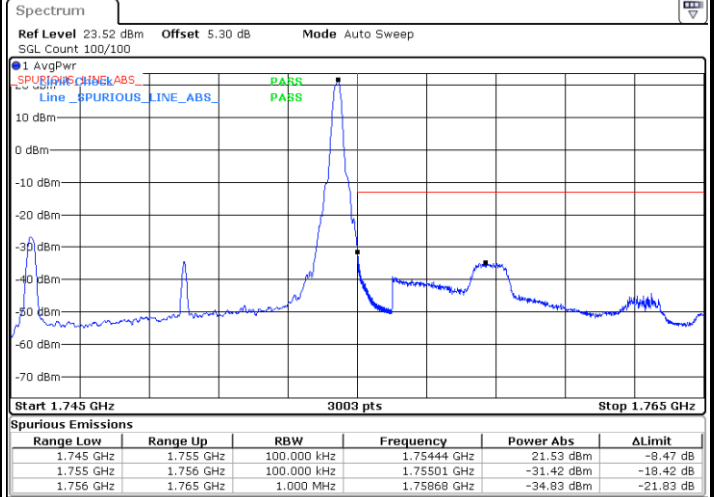
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



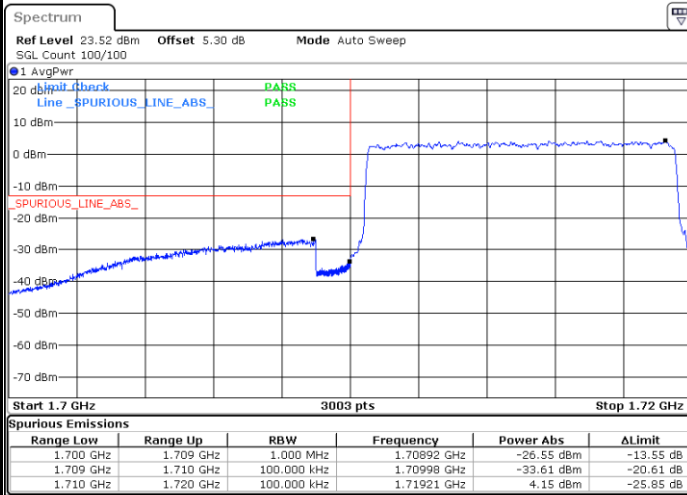
Date: 10.MAR.2022 14:19:44

Highest Band Edge / 1 RB



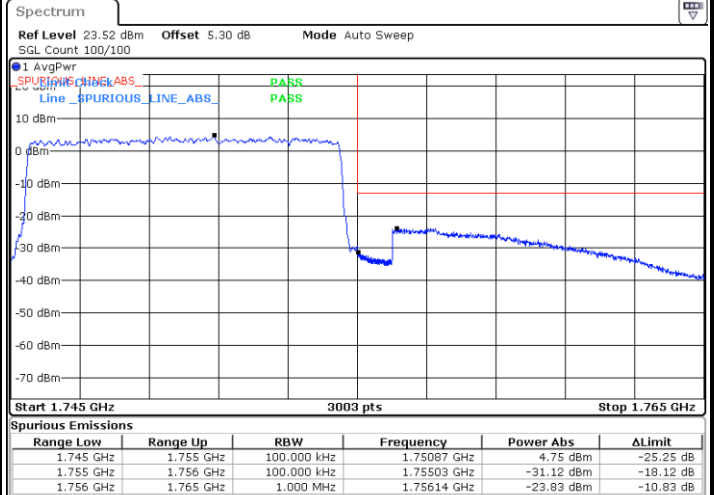
Date: 10.MAR.2022 14:32:26

Lowest Band Edge / Full RB



Date: 10.MAR.2022 14:28:05

Highest Band Edge / Full RB

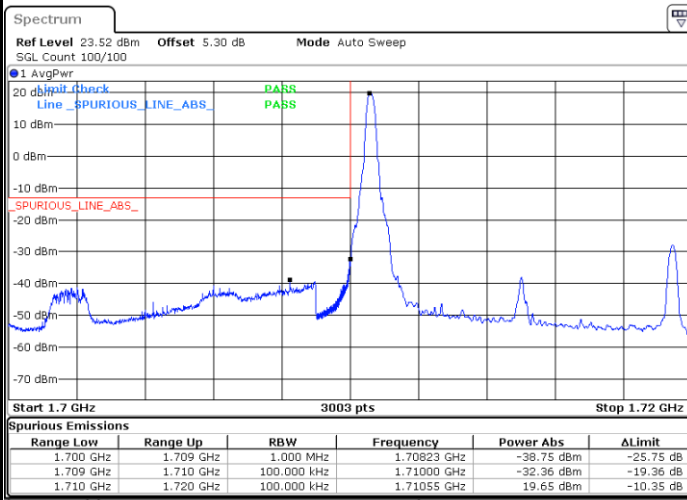


Date: 10.MAR.2022 14:40:46



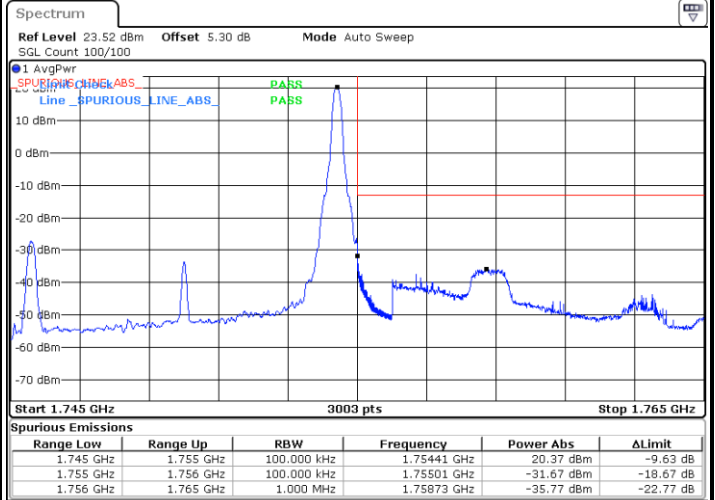
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



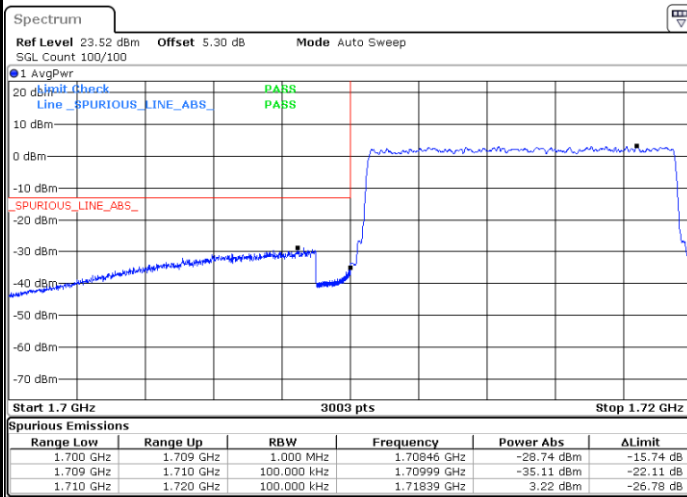
Date: 10.MAR.2022 14:21:24

Highest Band Edge / 1 RB



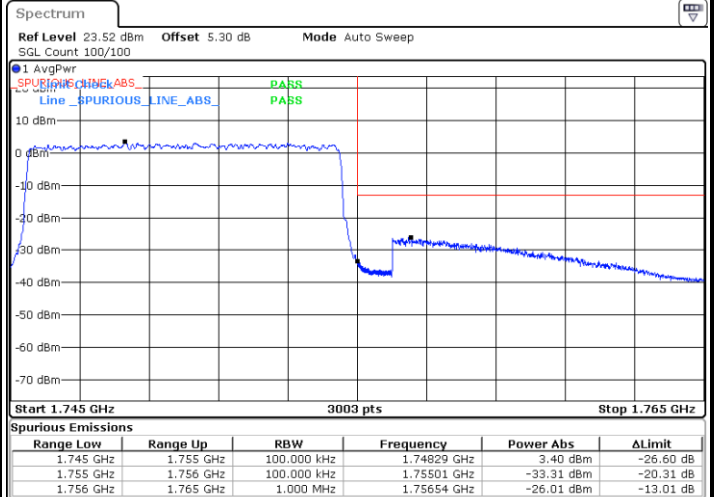
Date: 10.MAR.2022 14:34:06

Lowest Band Edge / Full RB



Date: 10.MAR.2022 14:26:25

Highest Band Edge / Full RB

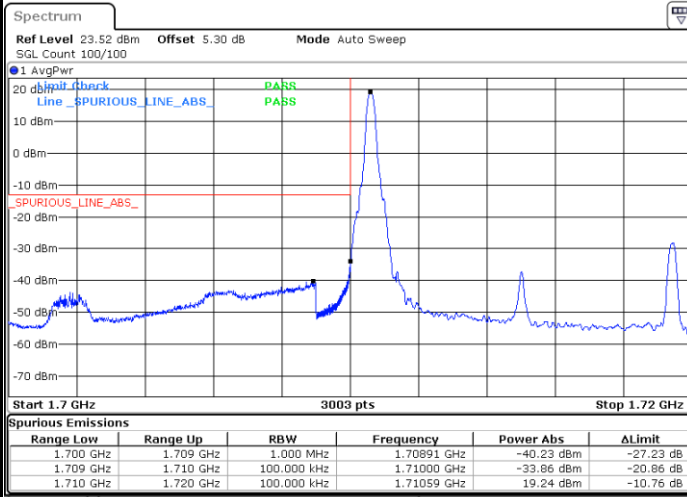


Date: 10.MAR.2022 14:39:06



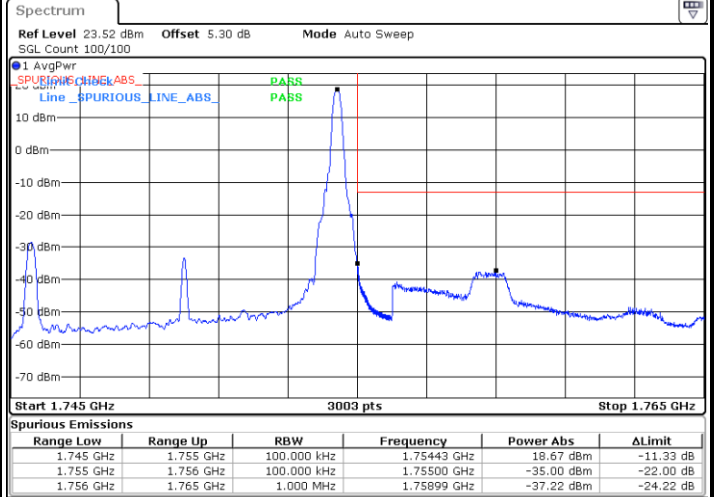
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



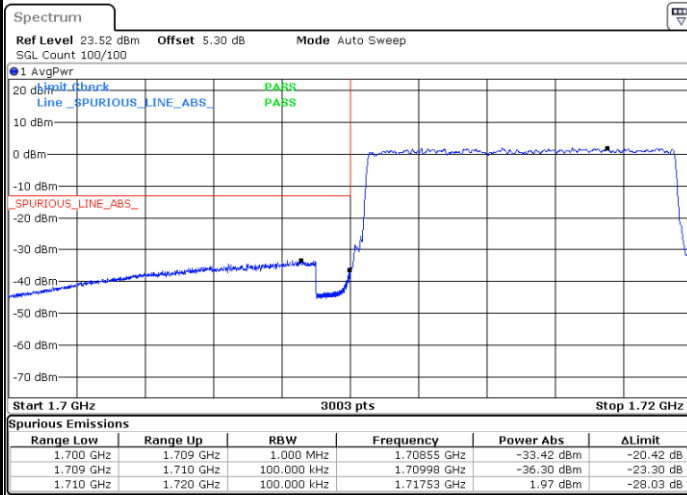
Date: 10.MAR.2022 14:23:05

Highest Band Edge / 1 RB



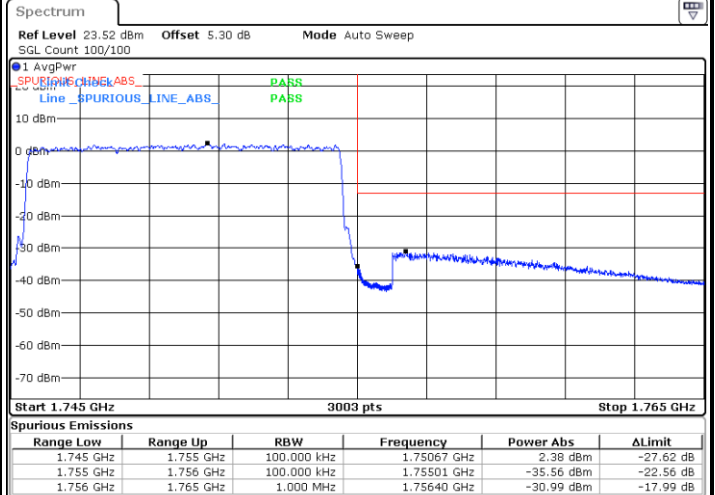
Date: 10.MAR.2022 14:35:46

Lowest Band Edge / Full RB



Date: 10.MAR.2022 14:24:45

Highest Band Edge / Full RB

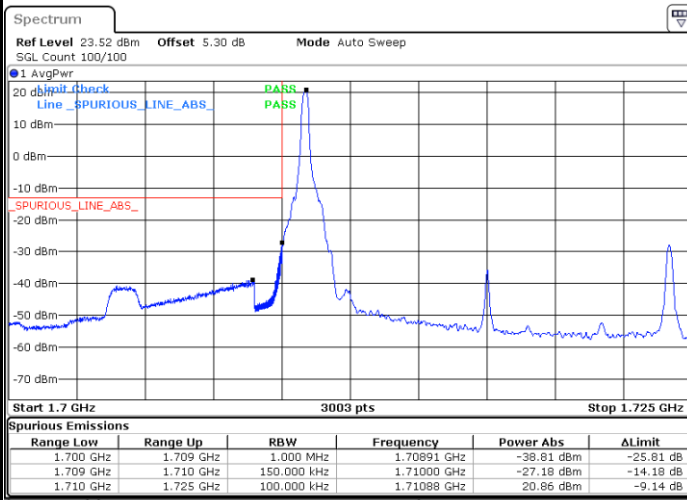


Date: 10.MAR.2022 14:37:26



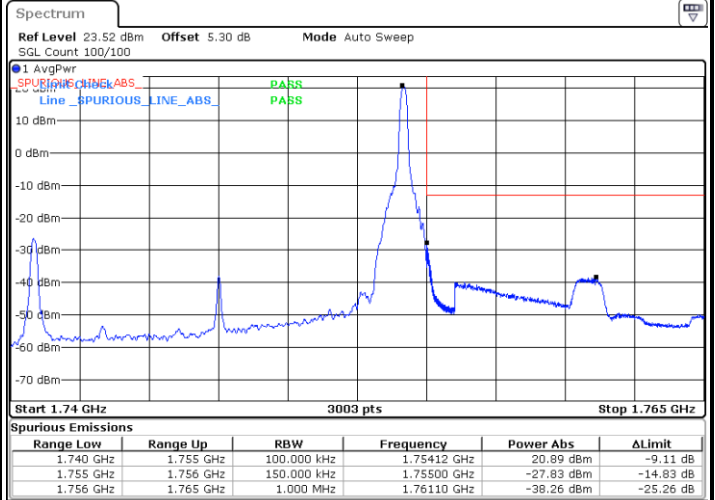
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



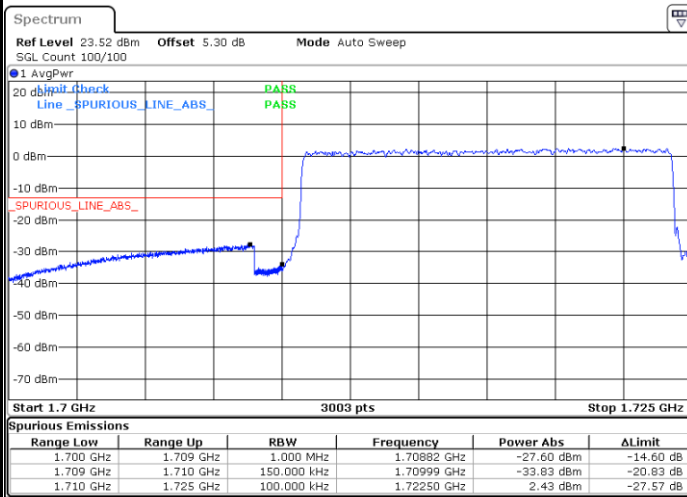
Date: 10.MAR.2022 14:43:47

Highest Band Edge / 1 RB



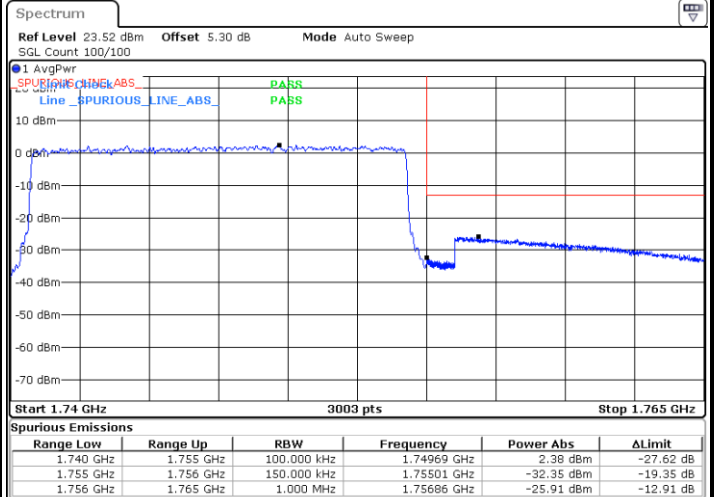
Date: 10.MAR.2022 14:56:29

Lowest Band Edge / Full RB



Date: 10.MAR.2022 14:52:09

Highest Band Edge / Full RB

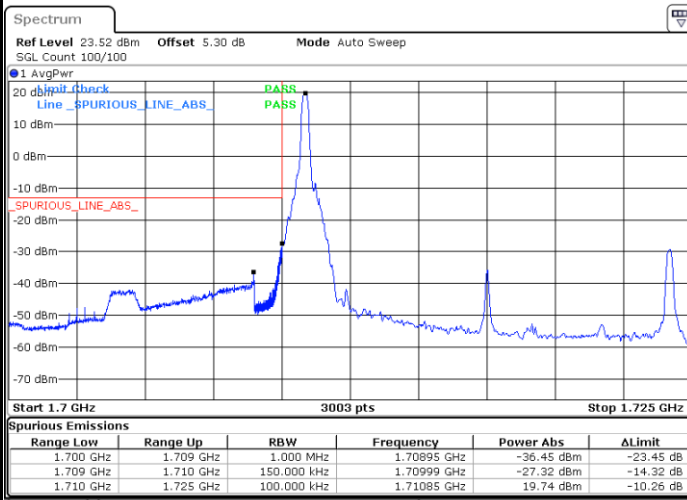


Date: 10.MAR.2022 15:04:49



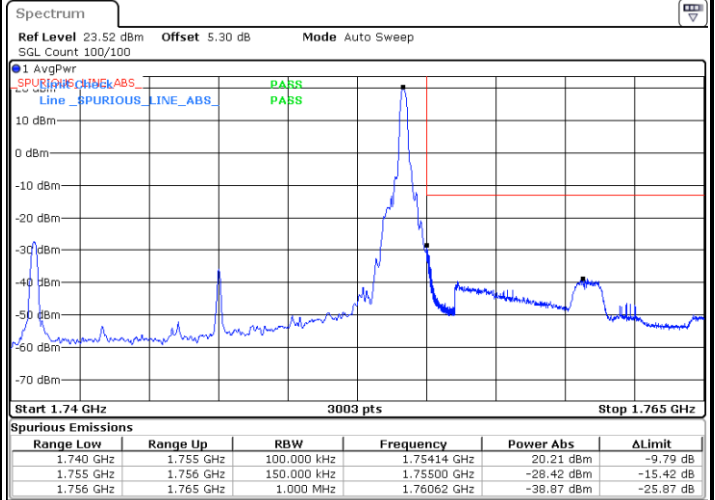
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



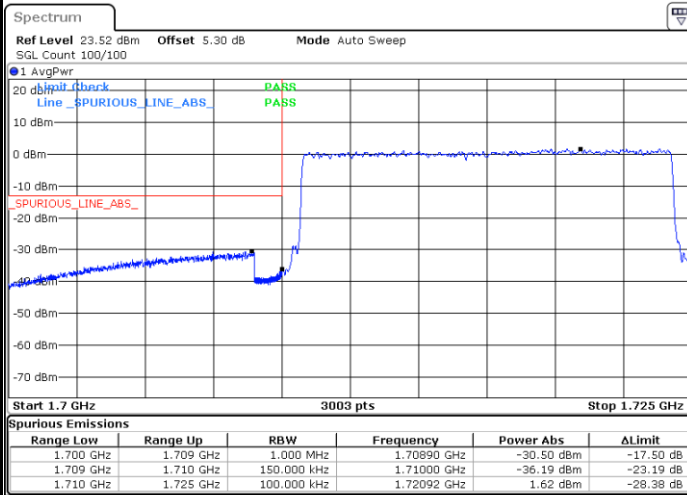
Date: 10.MAR.2022 14:45:28

Highest Band Edge / 1 RB



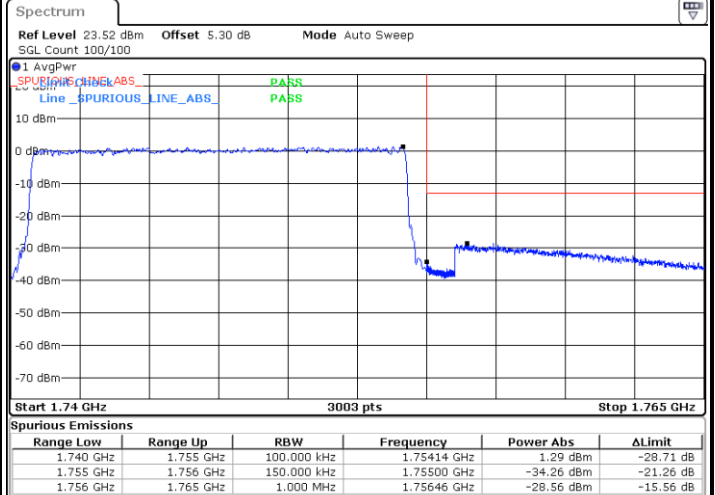
Date: 10.MAR.2022 14:58:09

Lowest Band Edge / Full RB



Date: 10.MAR.2022 14:50:29

Highest Band Edge / Full RB

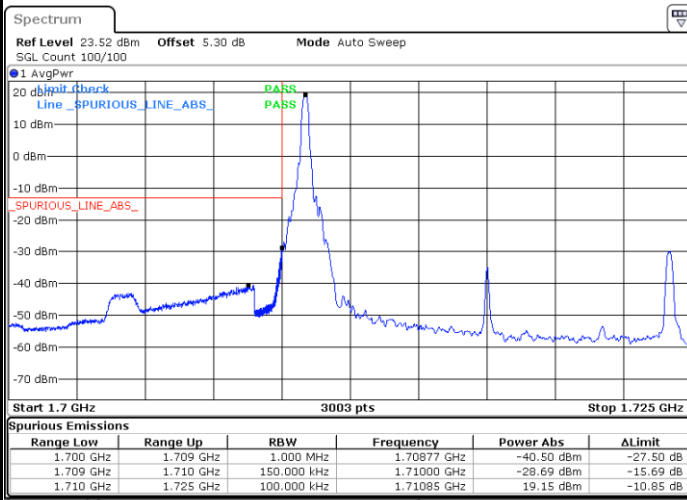


Date: 10.MAR.2022 15:03:09



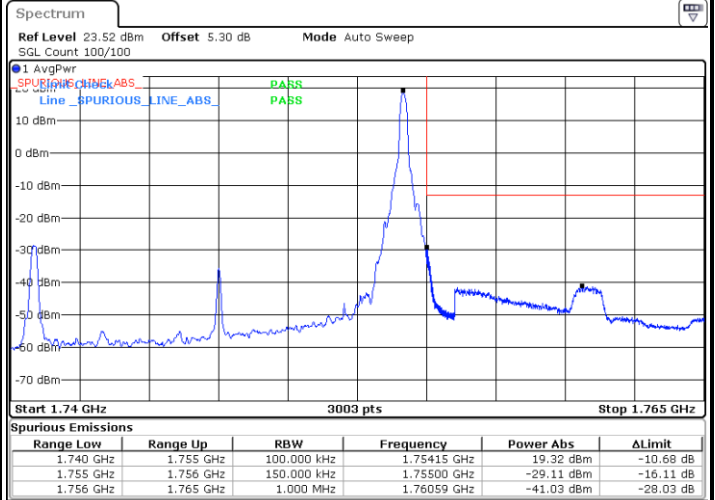
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



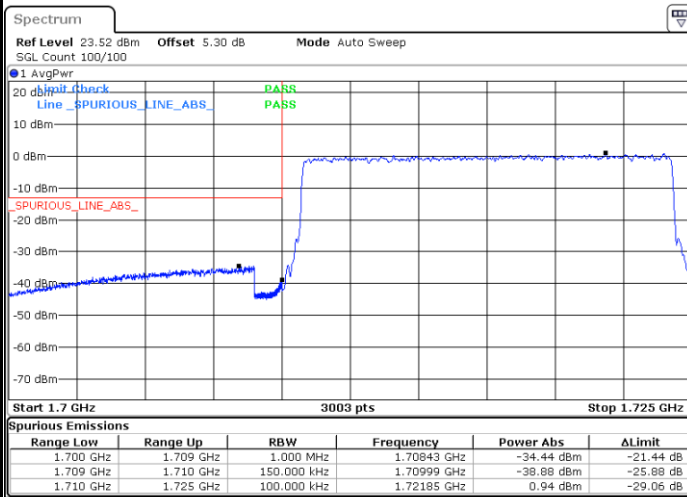
Date: 10. MAR 2022 14:47:08

Highest Band Edge / 1 RB



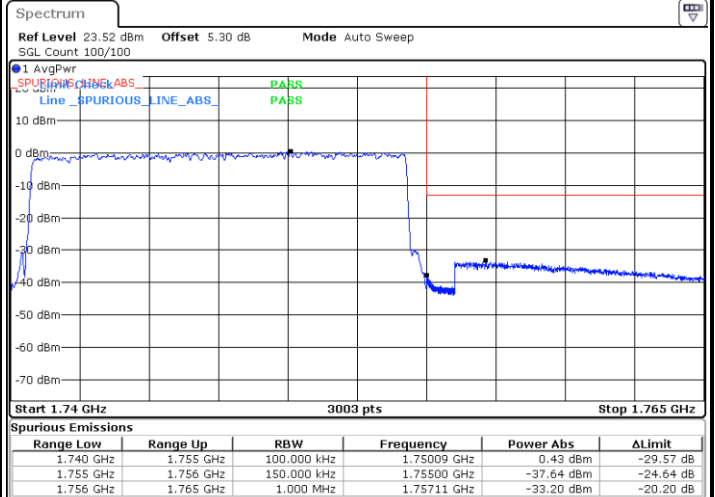
Date: 10. MAR 2022 14:59:49

Lowest Band Edge / Full RB



Date: 10. MAR 2022 14:48:49

Highest Band Edge / Full RB

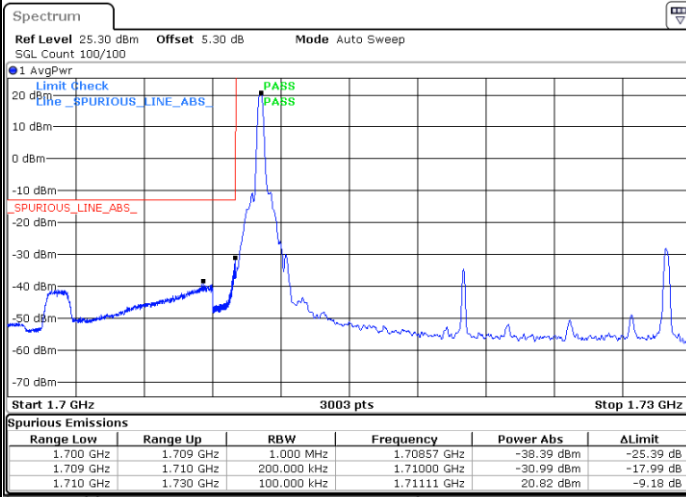


Date: 10. MAR 2022 15:01:29



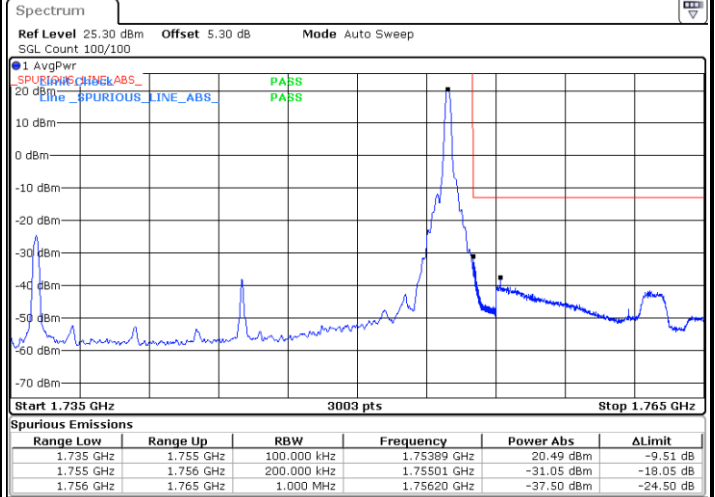
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



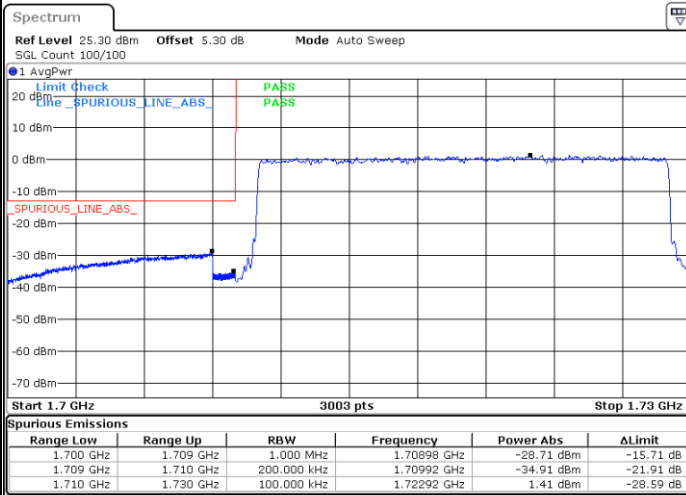
Date: 10. MAR 2022 15:07:50

Highest Band Edge / 1 RB



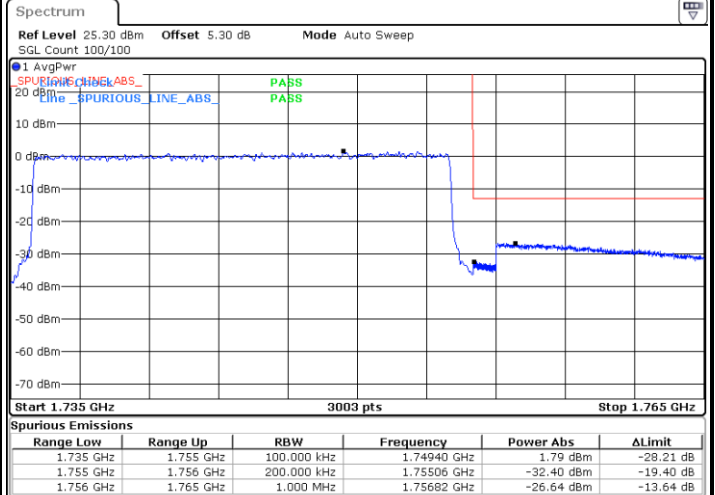
Date: 10. MAR 2022 15:20:31

Lowest Band Edge / Full RB



Date: 10. MAR 2022 15:16:11

Highest Band Edge / Full RB



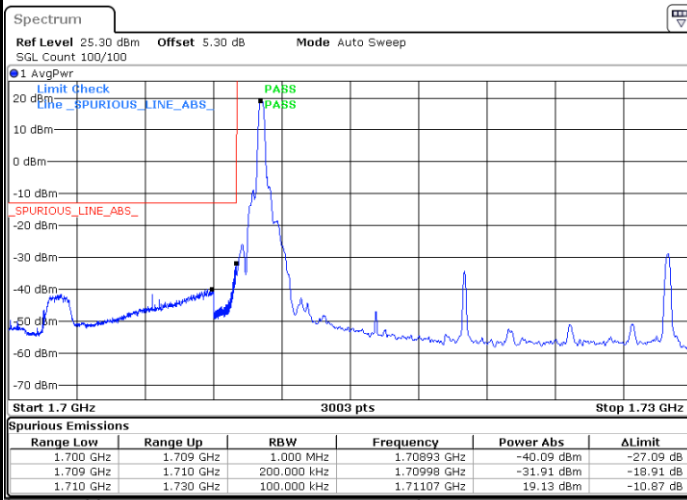
Date: 10. MAR 2022 15:28:52





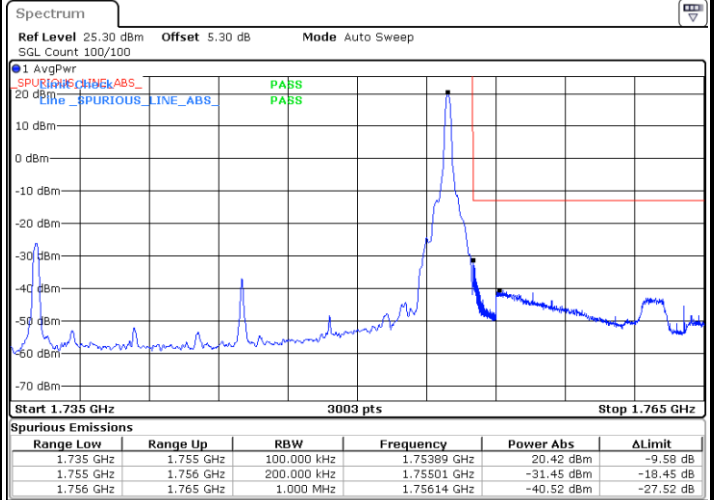
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



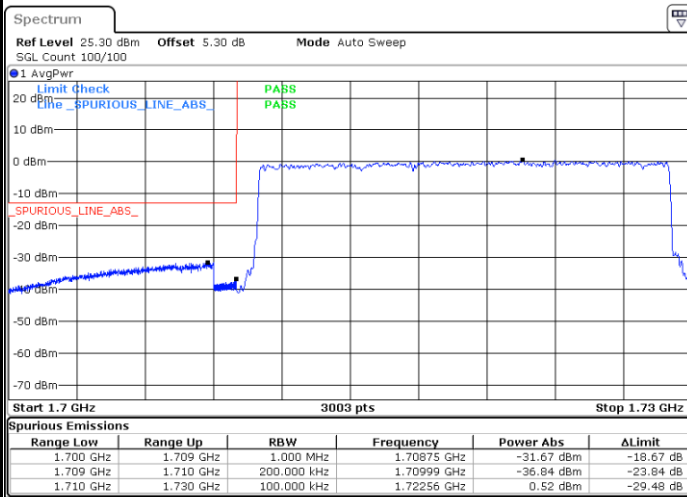
Date: 10.MAR.2022 15:09:30

Highest Band Edge / 1 RB



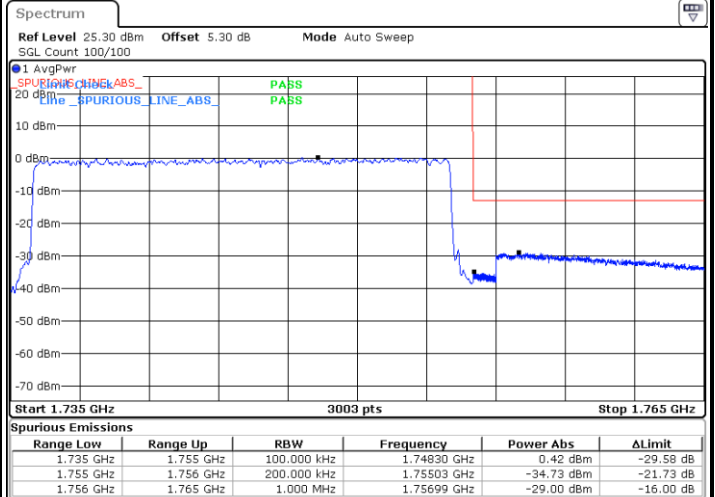
Date: 10.MAR.2022 15:22:11

Lowest Band Edge / Full RB



Date: 10.MAR.2022 15:14:31

Highest Band Edge / Full RB

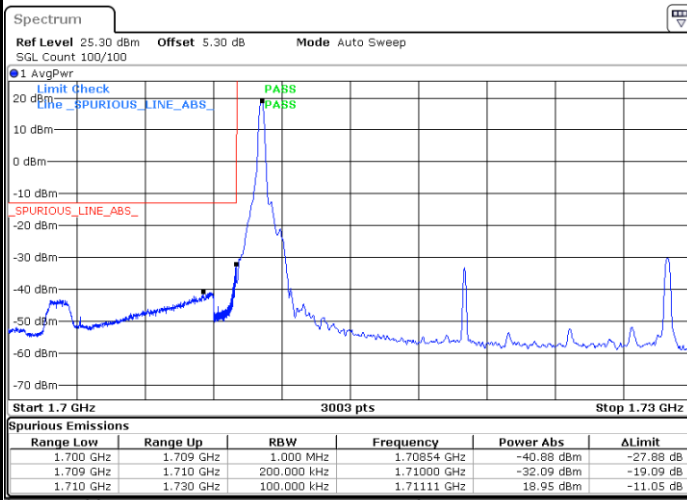


Date: 10.MAR.2022 15:27:12



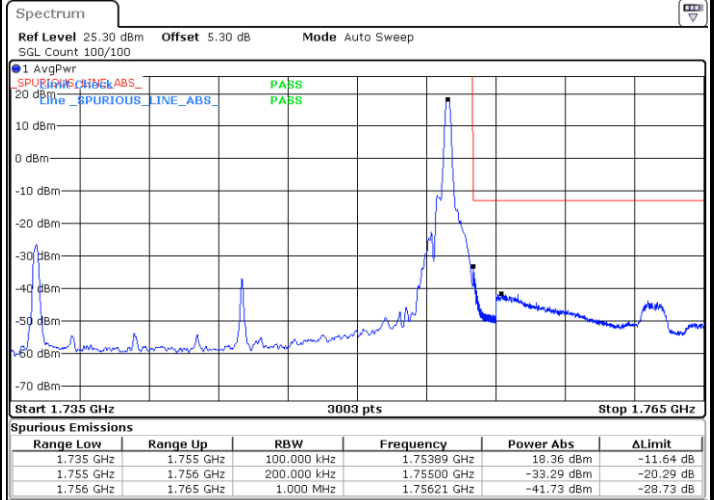
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



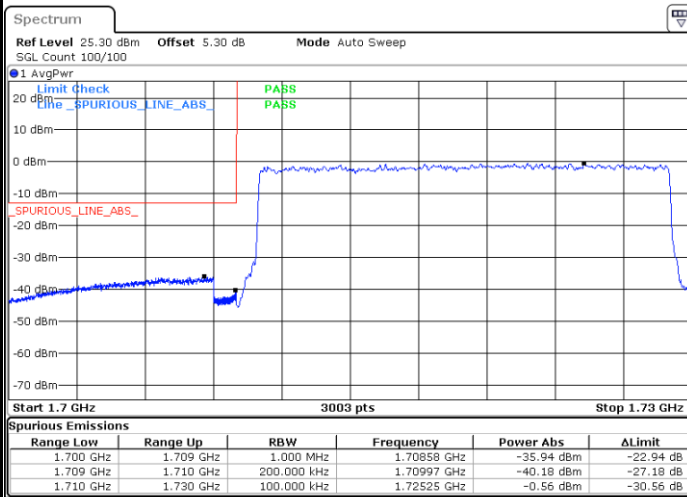
Date: 10.MAR.2022 15:11:10

Highest Band Edge / 1 RB



Date: 10.MAR.2022 15:23:51

Lowest Band Edge / Full RB



Date: 10.MAR.2022 15:12:51

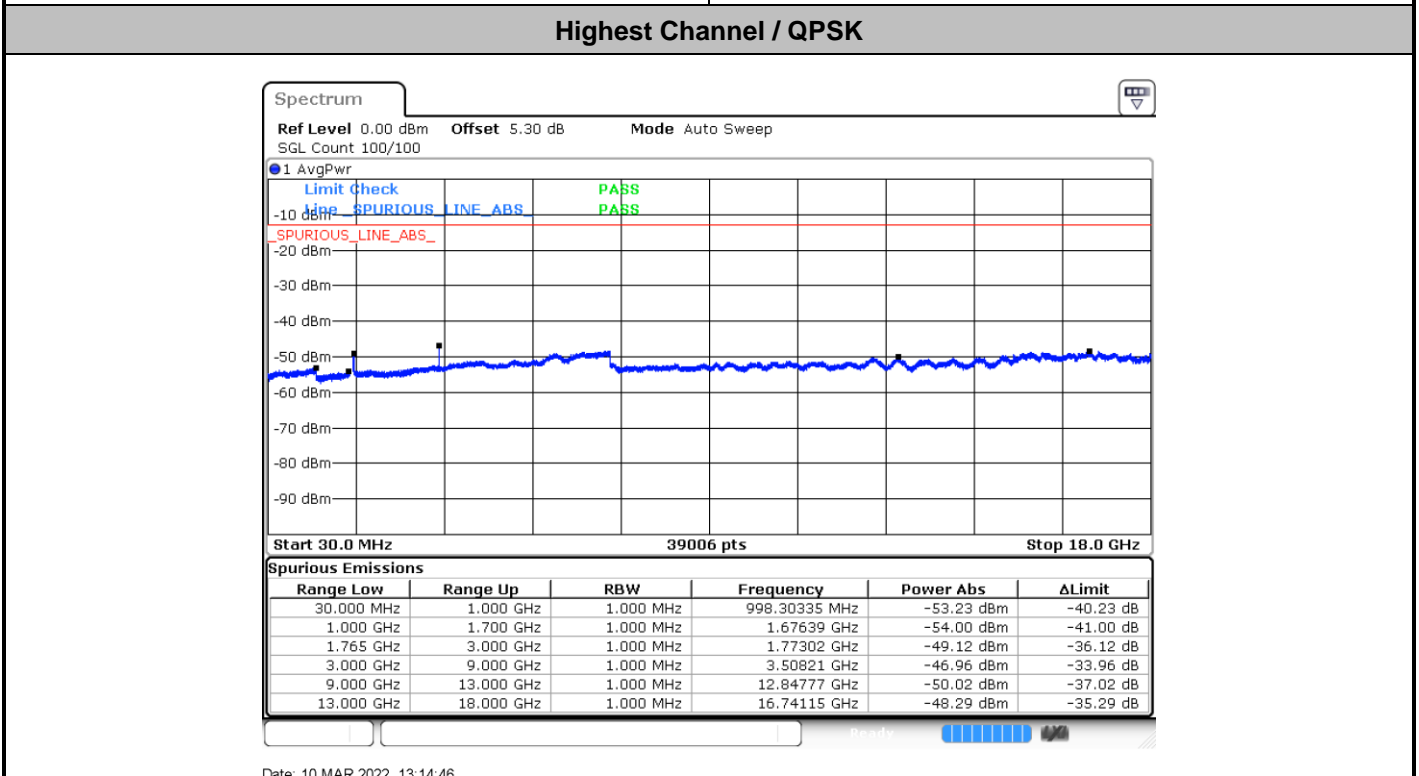
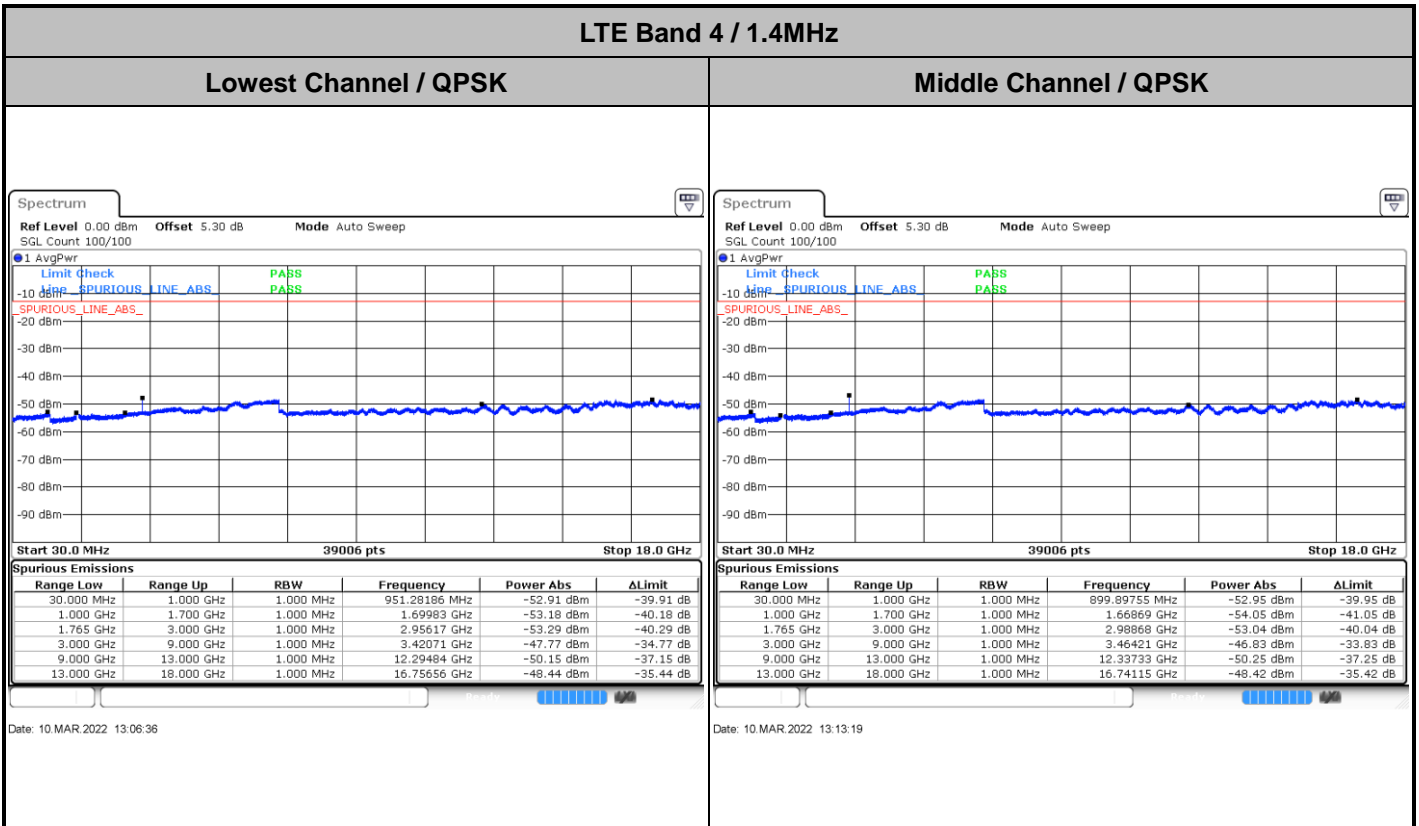
Highest Band Edge / Full RB



Date: 10.MAR.2022 15:25:32



# Conducted Spurious Emission

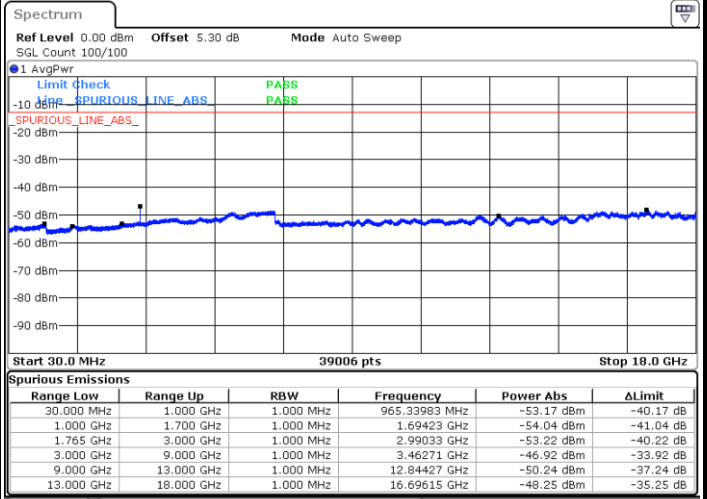
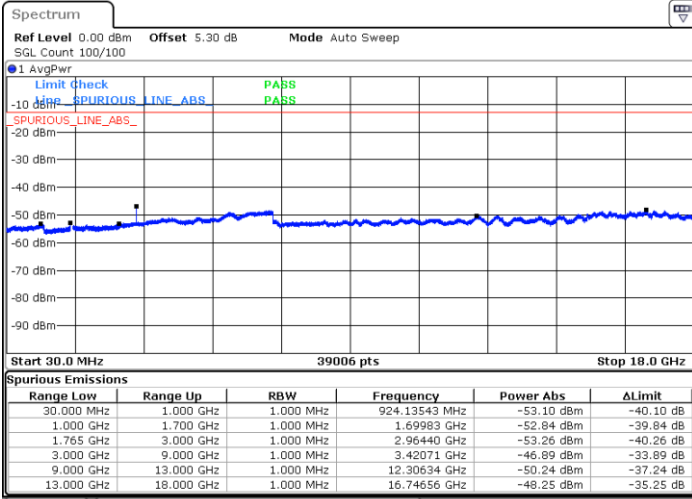




LTE Band 4 / 3MHz

Lowest Channel / QPSK

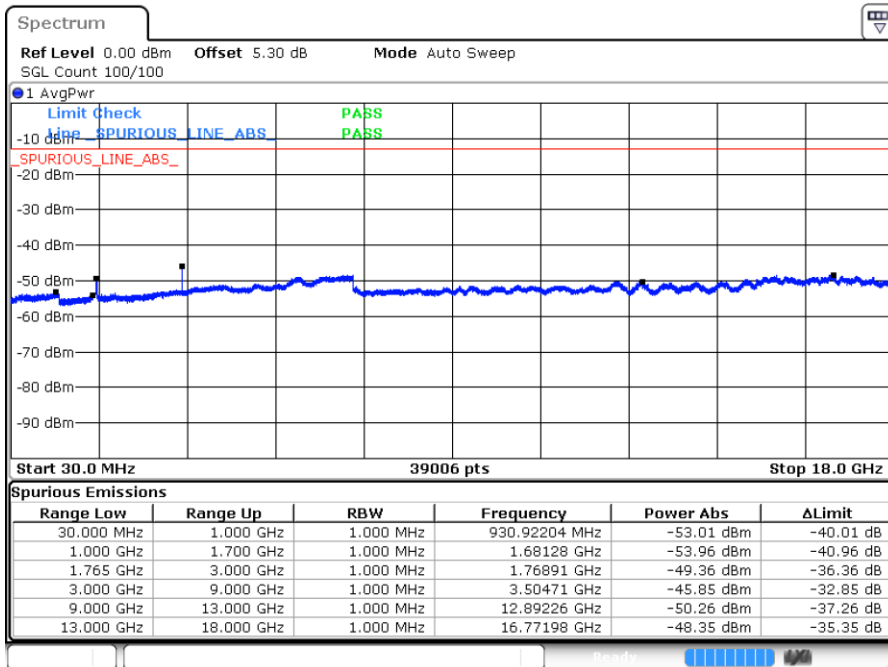
Middle Channel / QPSK



Date: 10.MAR.2022 13:29:57

Date: 10.MAR.2022 13:41:18

Highest Channel / QPSK



Date: 10.MAR.2022 13:42:38