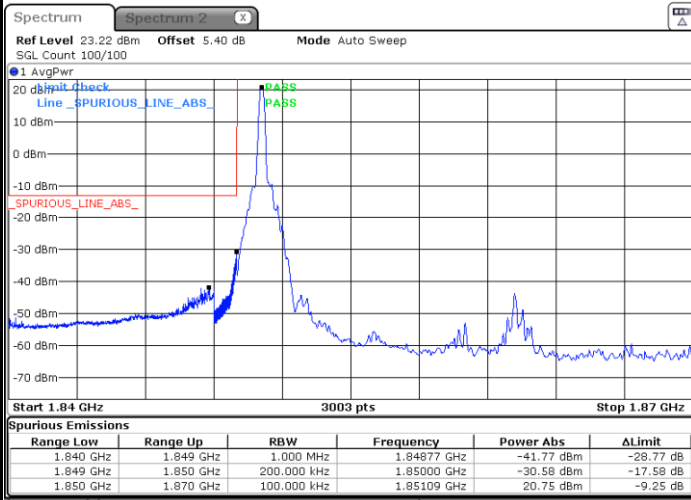




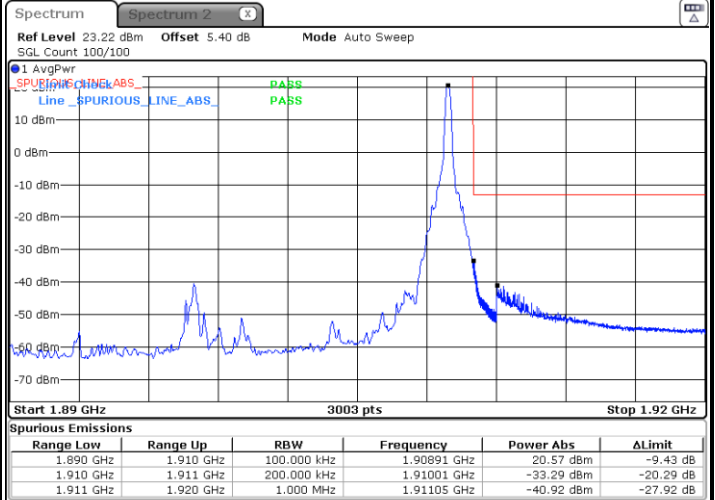
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



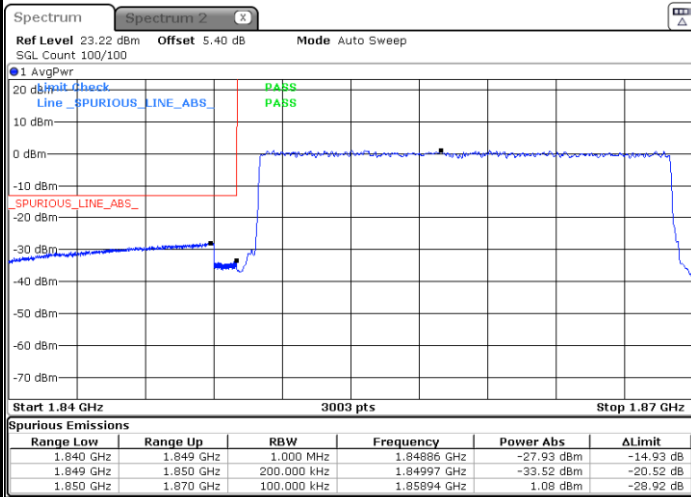
Date: 12 JAN 2022 21:11:30

Highest Band Edge / 1 RB



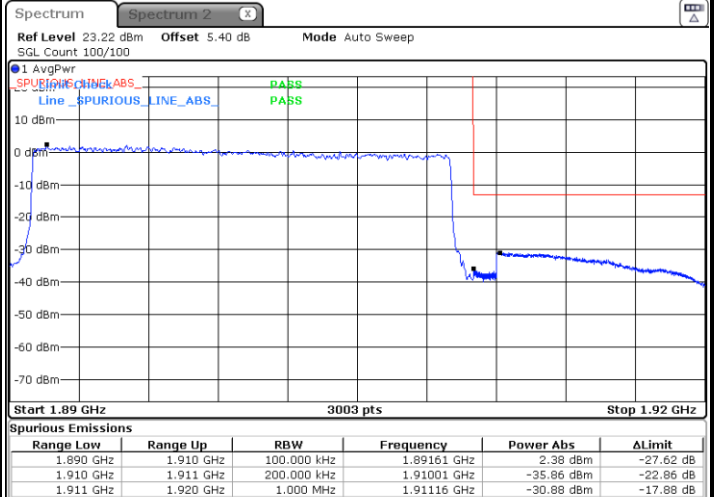
Date: 12 JAN 2022 21:28:20

Lowest Band Edge / Full RB



Date: 12 JAN 2022 21:19:04

Highest Band Edge / Full RB

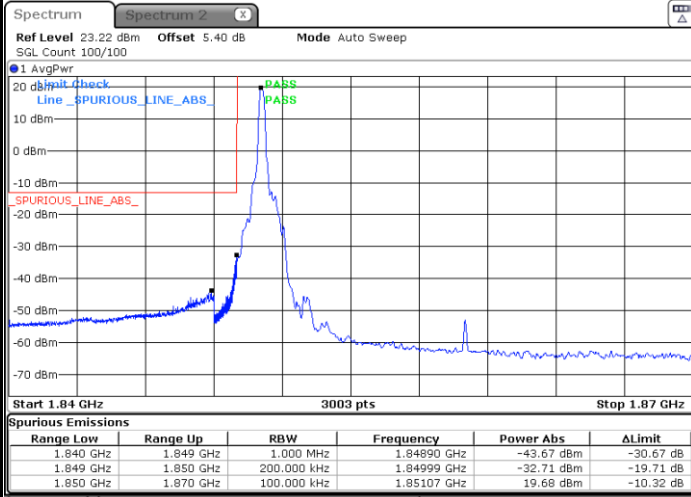


Date: 12 JAN 2022 21:35:54



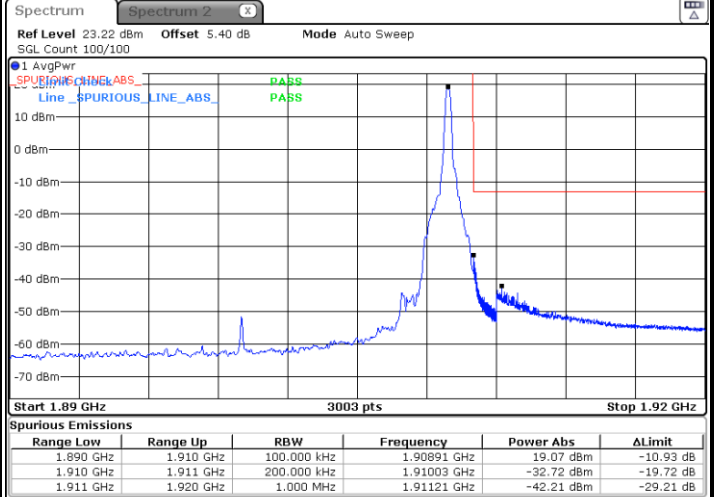
LTE Band 2/ 20MHz / 64QAM

Lowest Band Edge / 1 RB



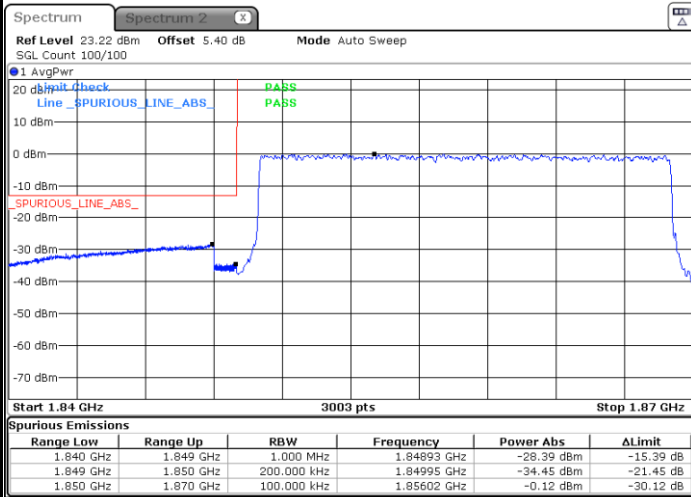
Date: 12 JAN 2022 21:13:01

Highest Band Edge / 1 RB



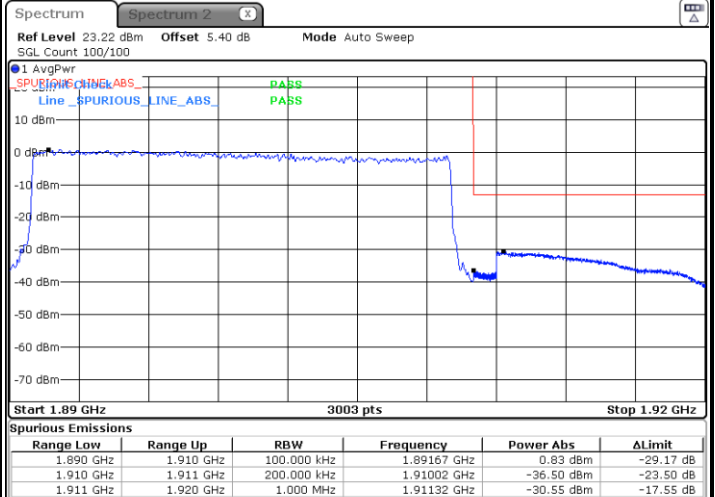
Date: 12 JAN 2022 21:29:51

Lowest Band Edge / Full RB



Date: 12 JAN 2022 21:17:33

Highest Band Edge / Full RB

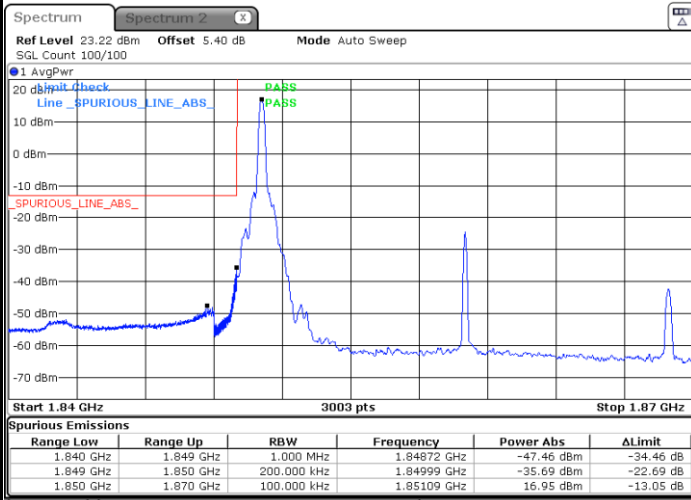


Date: 12 JAN 2022 21:34:24



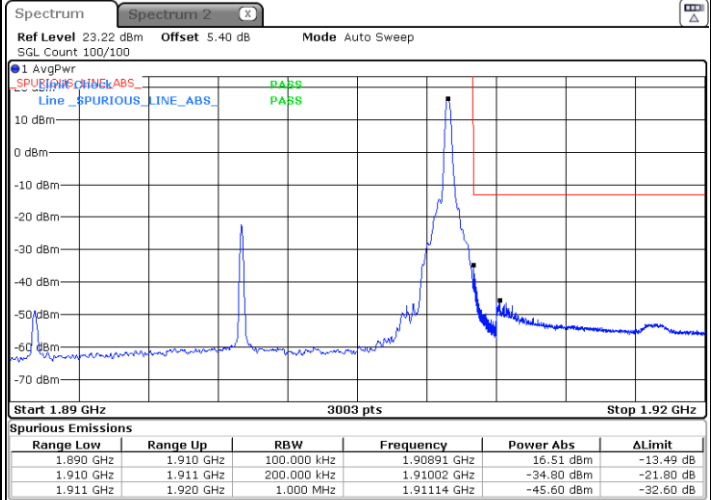
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



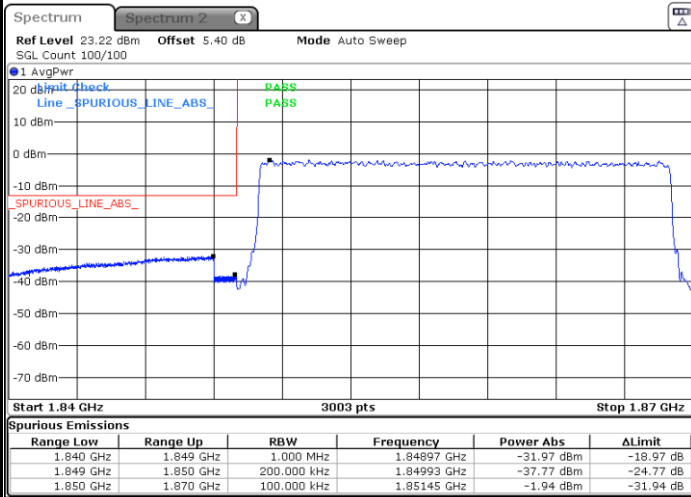
Date: 12 JAN 2022 21:14:31

Highest Band Edge / 1 RB



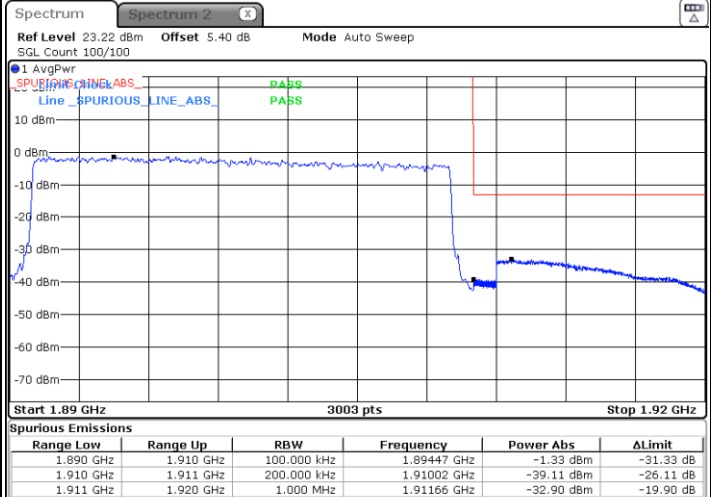
Date: 12 JAN 2022 21:31:22

Lowest Band Edge / Full RB



Date: 12 JAN 2022 21:16:02

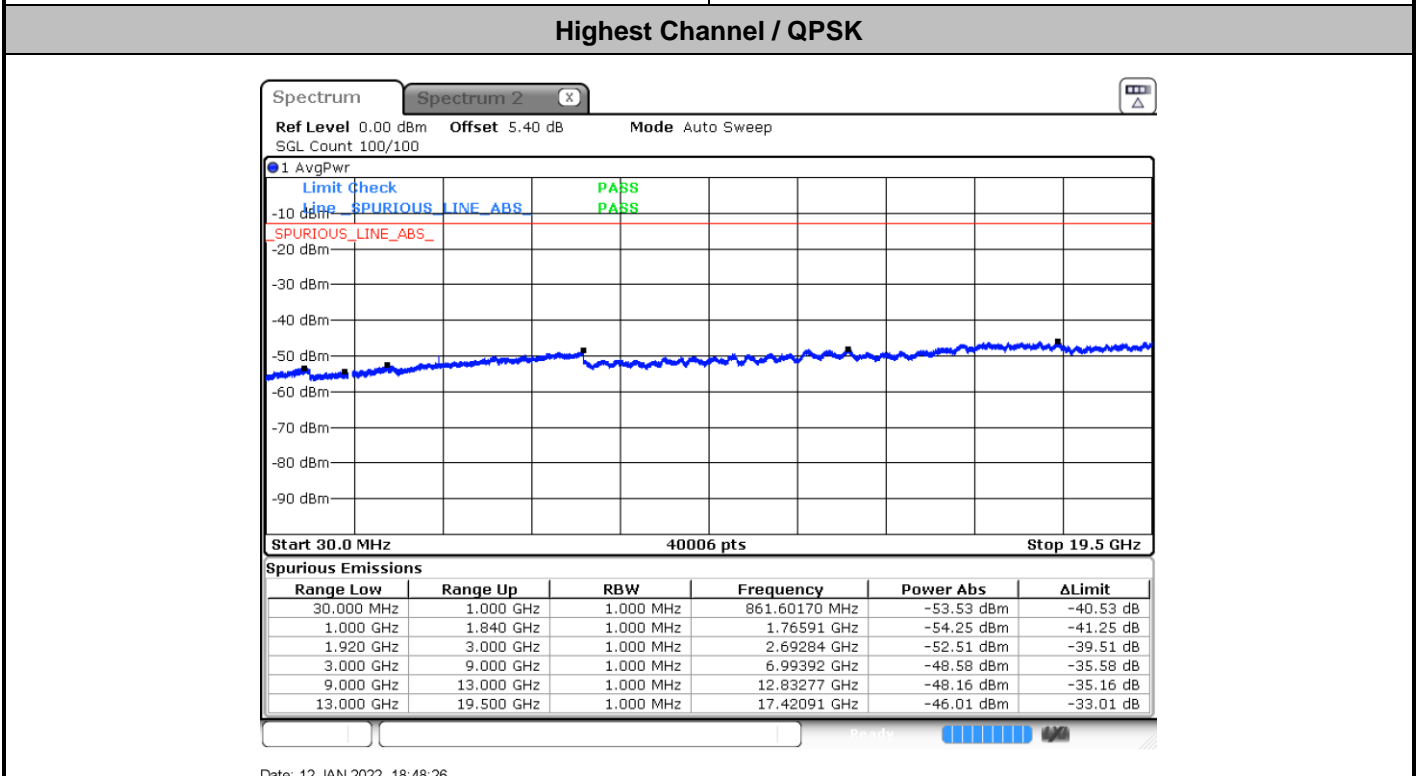
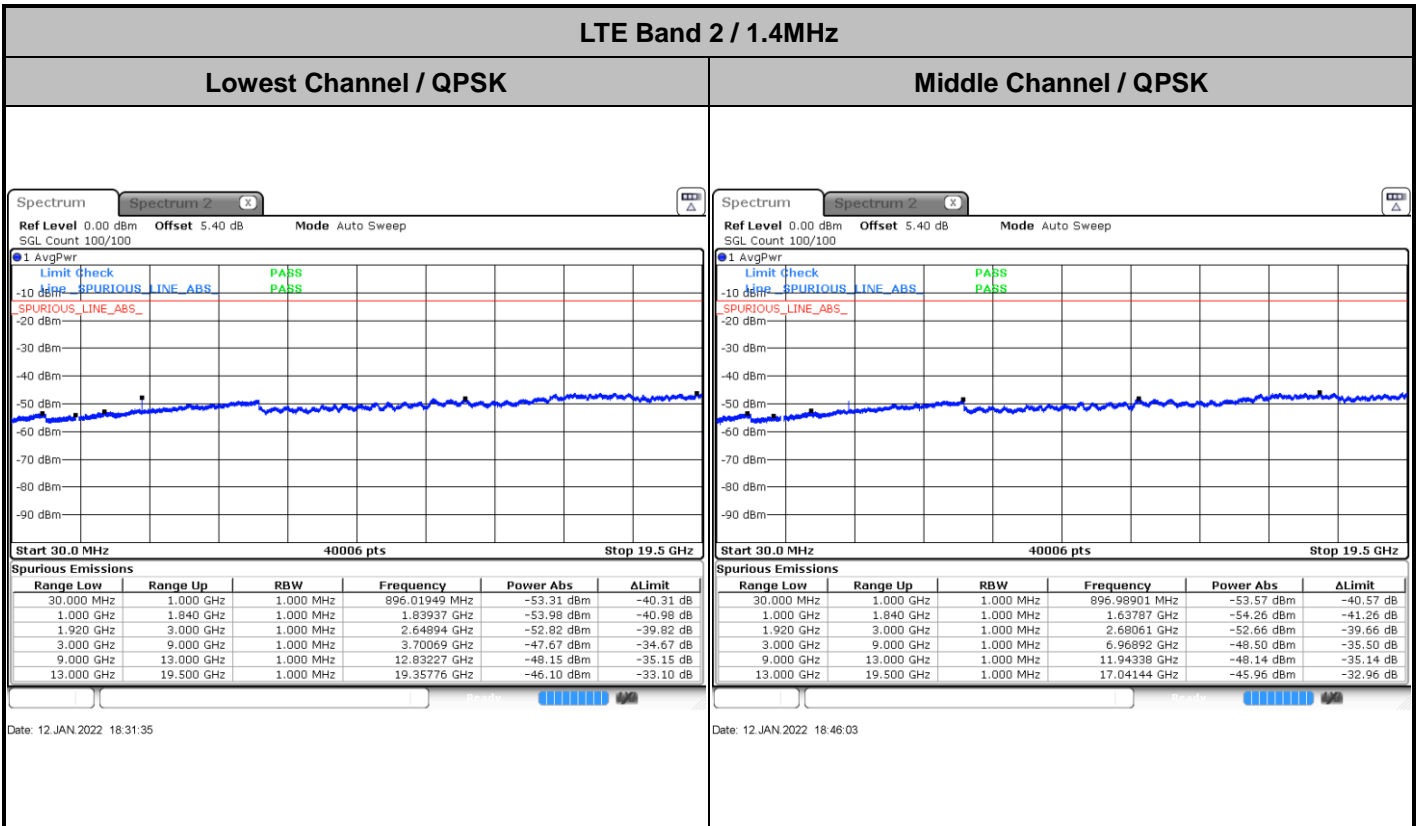
Highest Band Edge / Full RB



Date: 12 JAN 2022 21:32:53



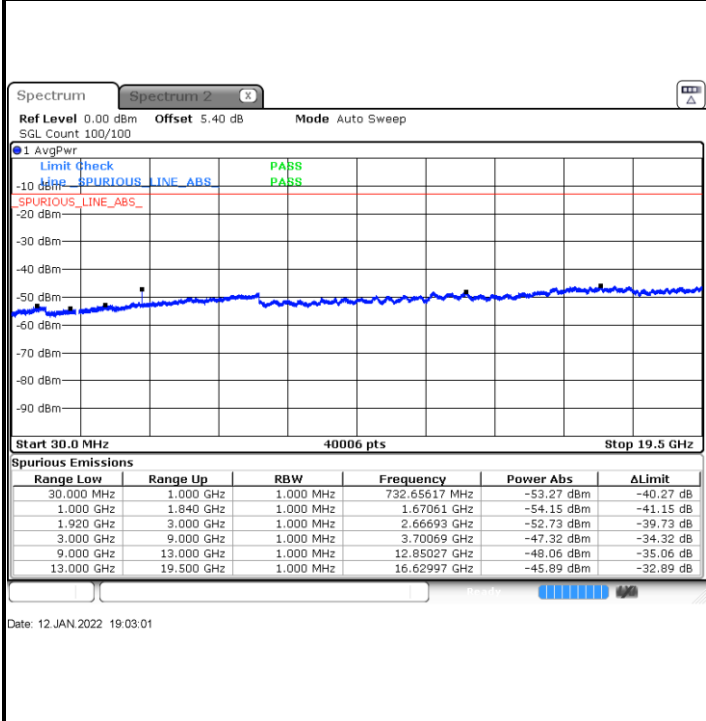
# Conducted Spurious Emission



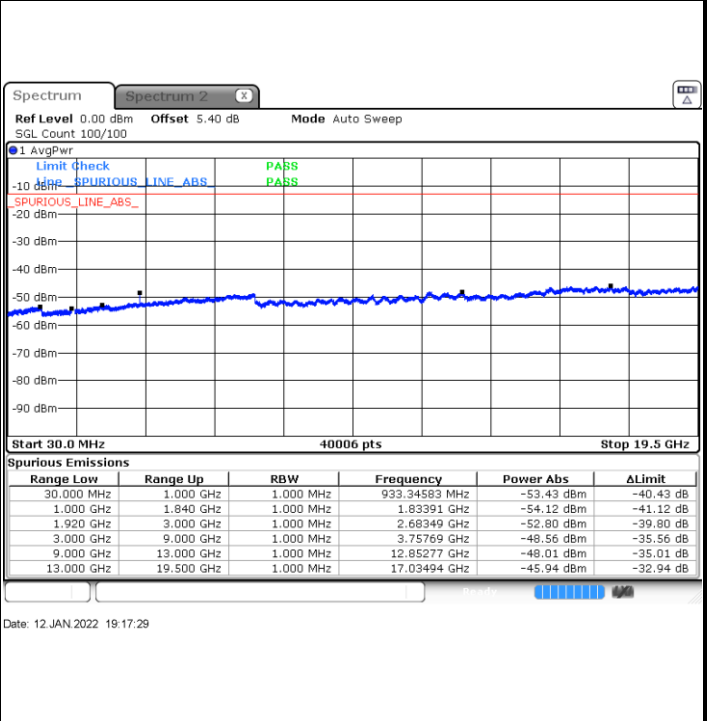


LTE Band 2/ 3MHz

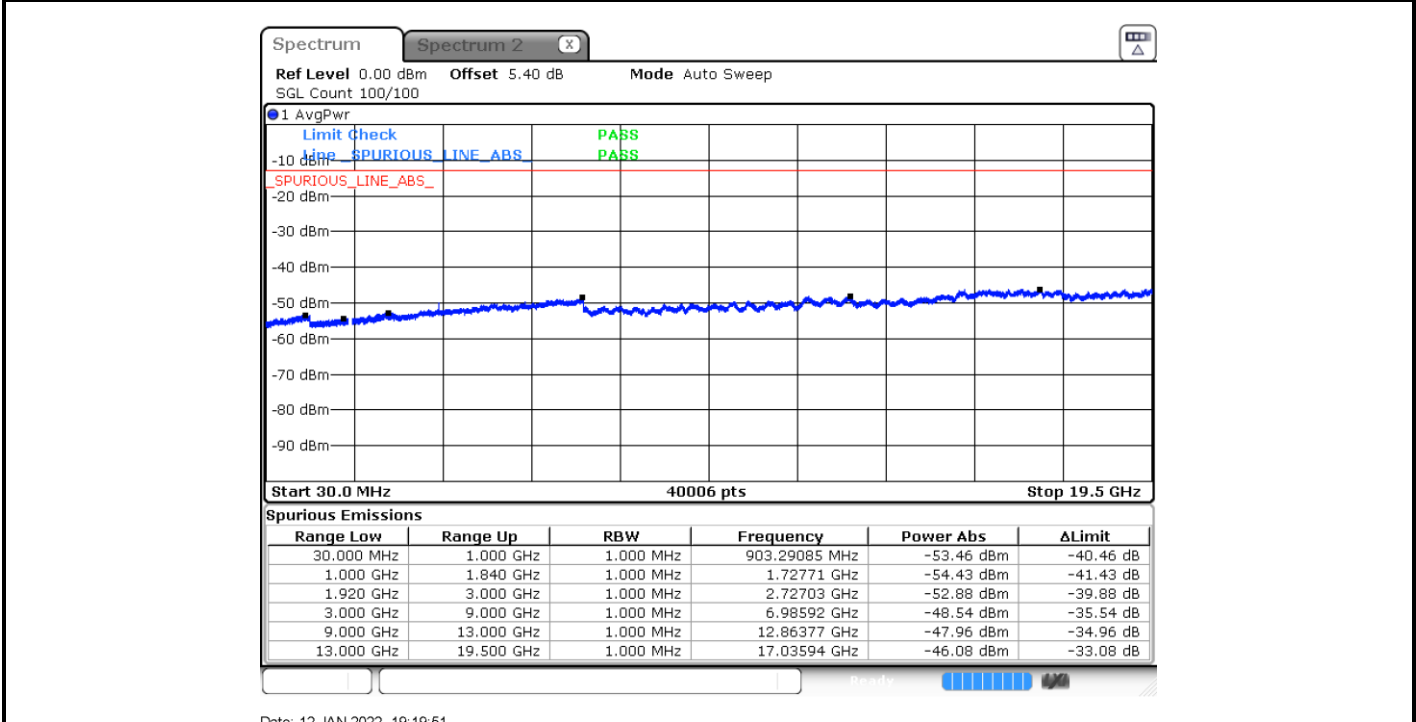
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

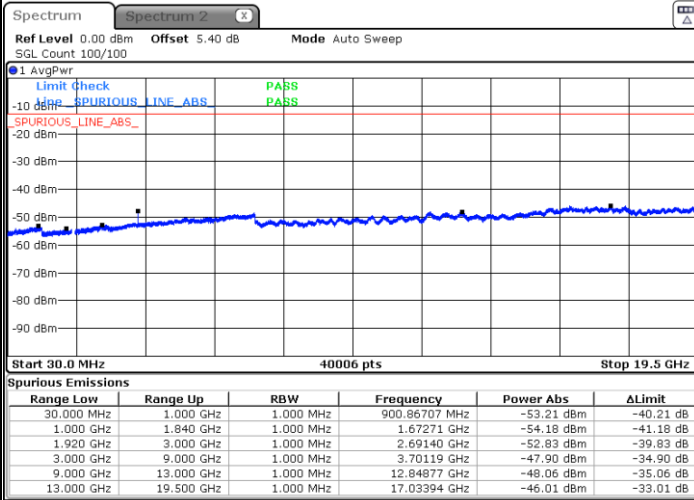




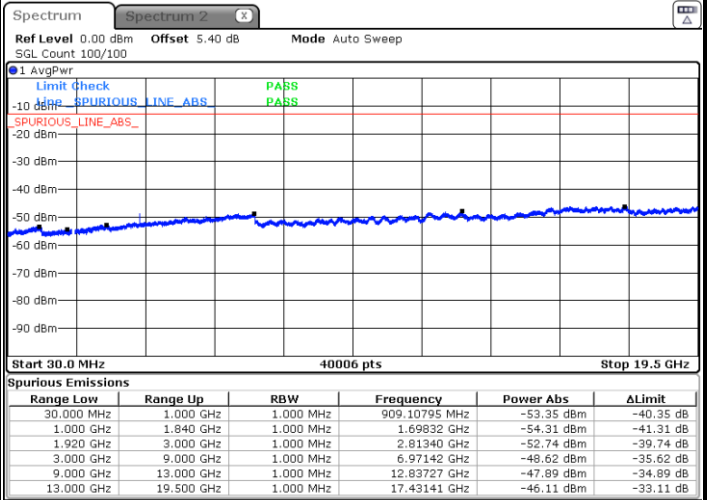
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

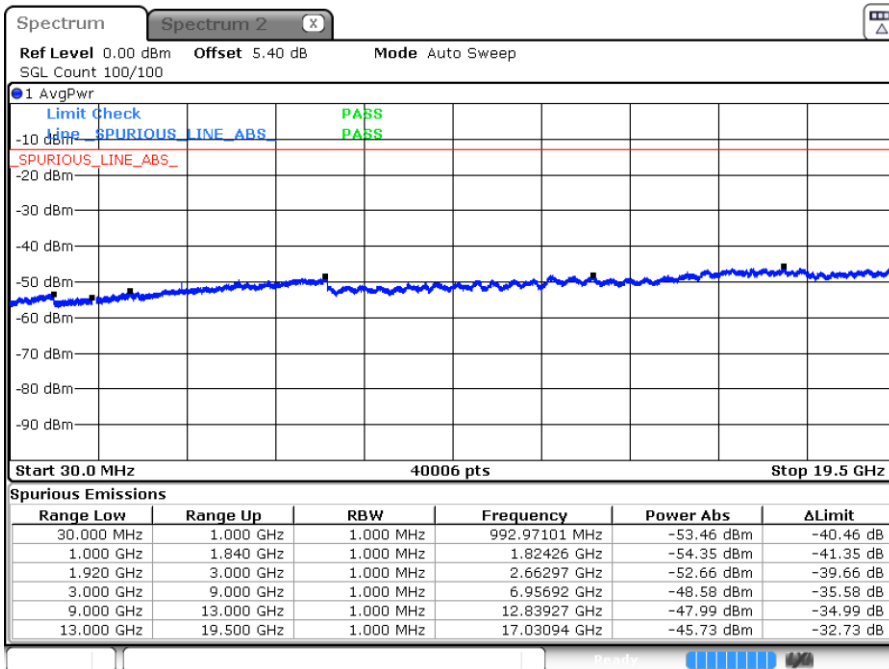


Date: 12 JAN 2022 19:34:20



Date: 12 JAN 2022 19:48:51

Highest Channel / QPSK



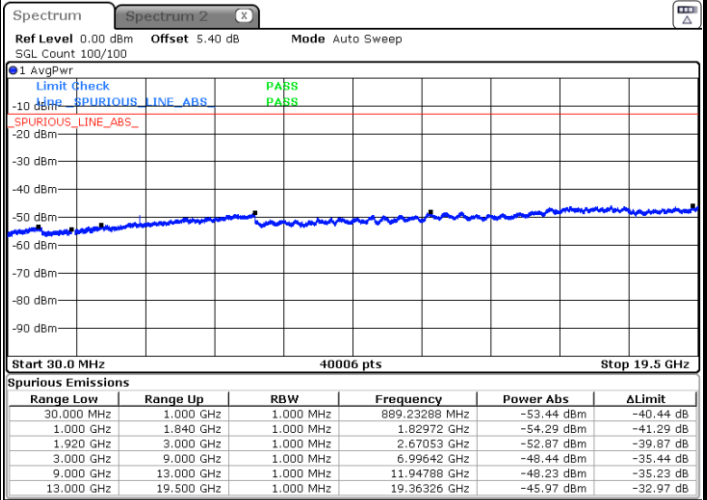
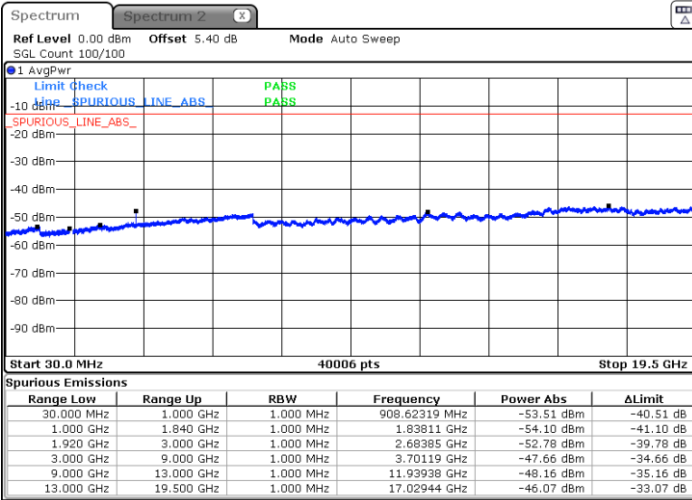
Date: 12 JAN 2022 19:51:12



LTE Band 2 / 10MHz

Lowest Channel / QPSK

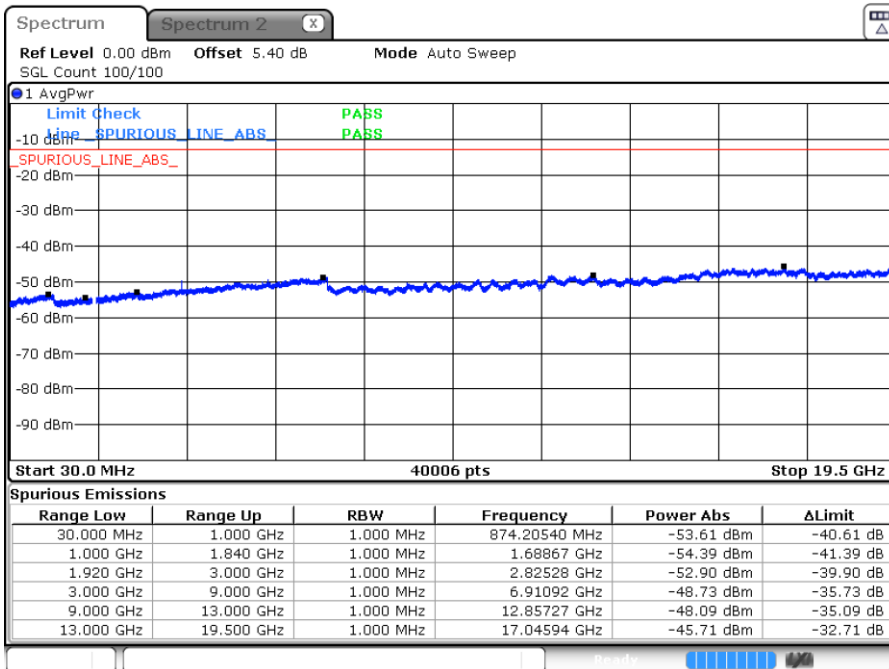
Middle Channel / QPSK



Date: 12 JAN 2022 20:05:46

Date: 12 JAN 2022 20:20:15

Highest Channel / QPSK



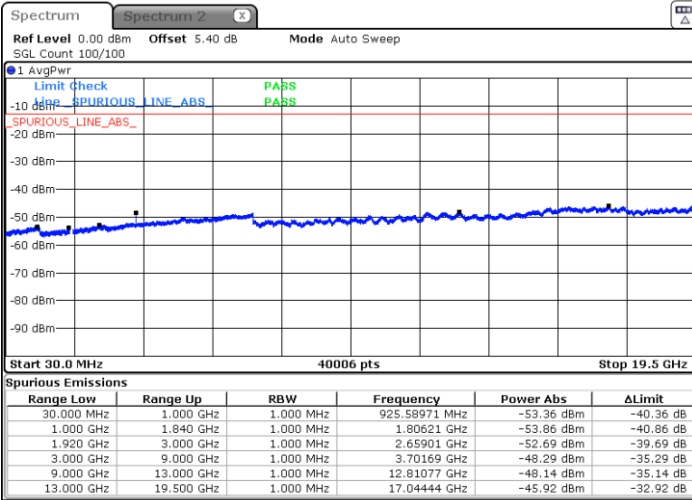
Date: 12 JAN 2022 20:22:37



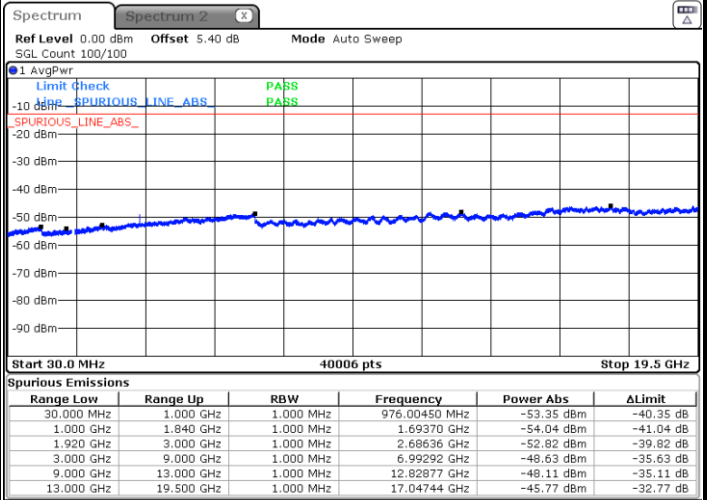
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

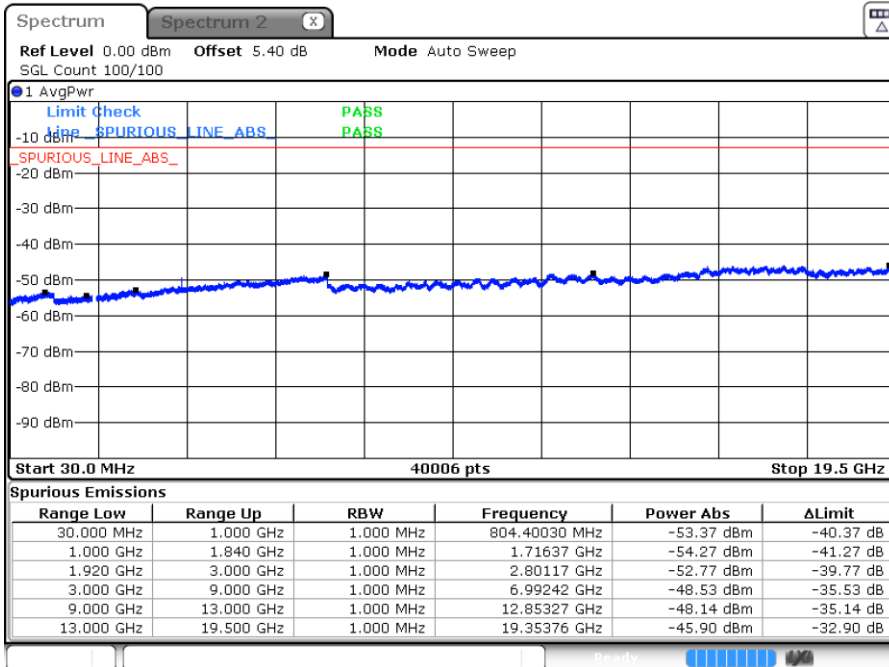


Date: 12 JAN 2022 20:37:08



Date: 12 JAN 2022 20:51:37

Highest Channel / QPSK



Date: 12 JAN 2022 20:53:59

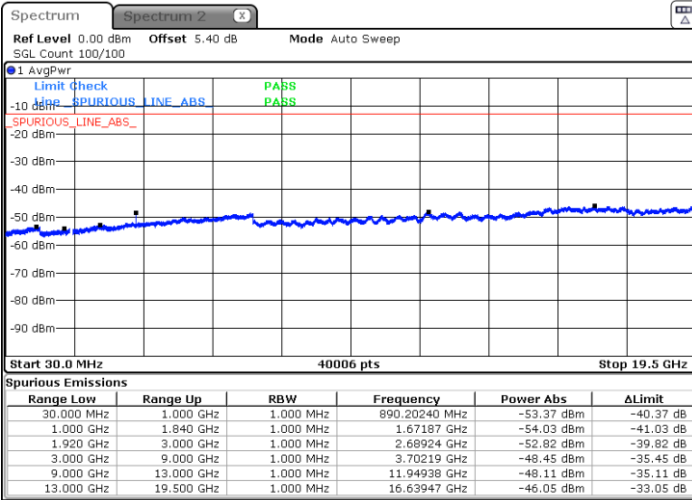




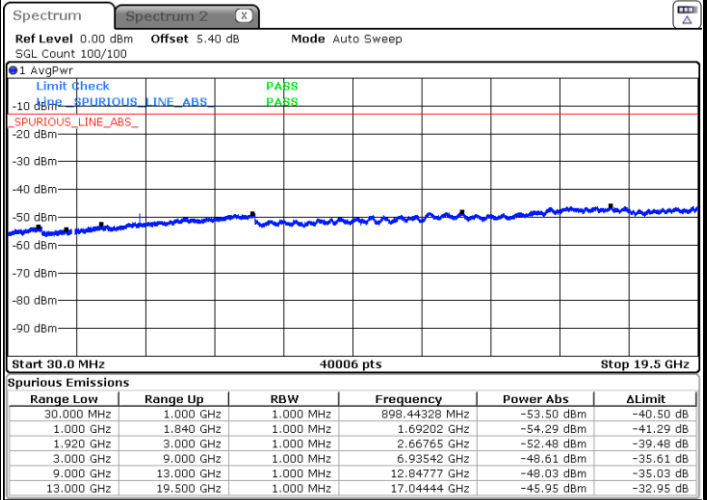
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

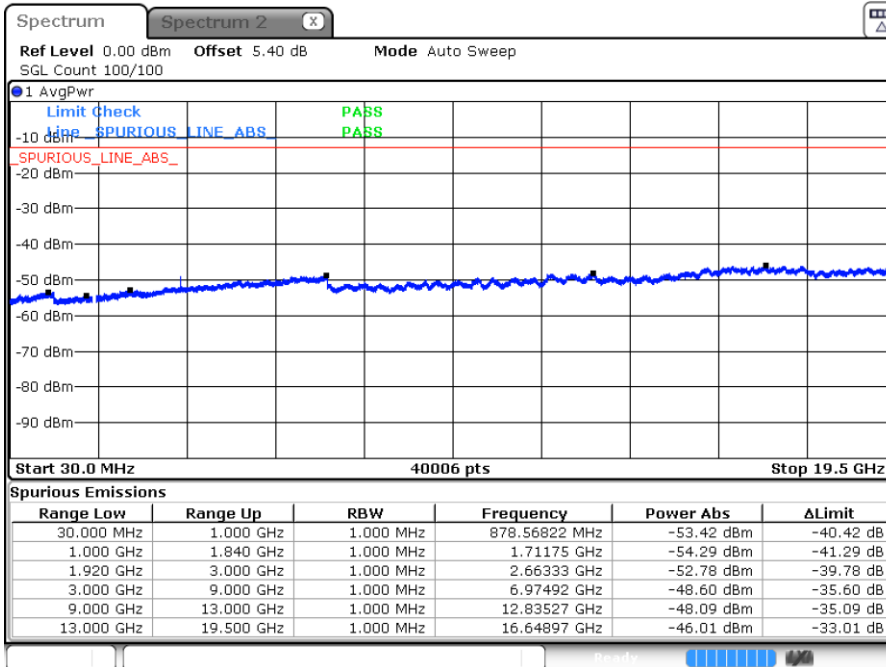


Date: 12 JAN 2022 21:08:27



Date: 12 JAN 2022 21:22:55

Highest Channel / QPSK



Date: 12 JAN 2022 21:25:17



### Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

**Note:**

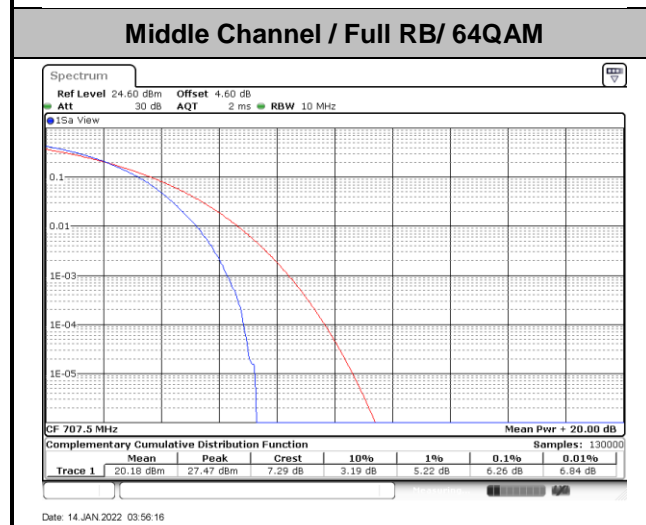
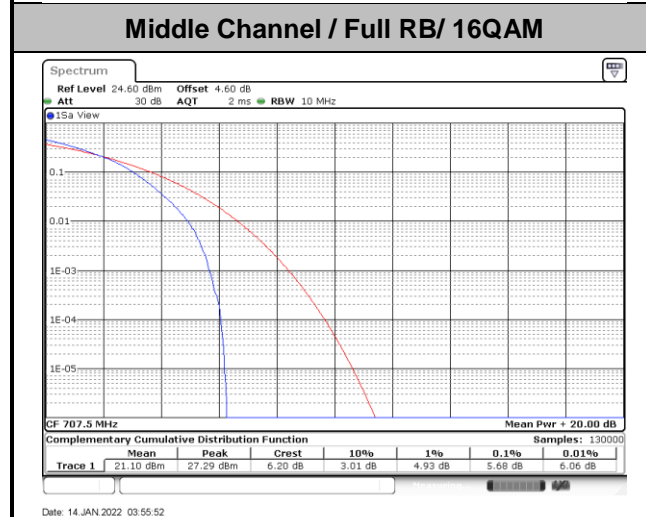
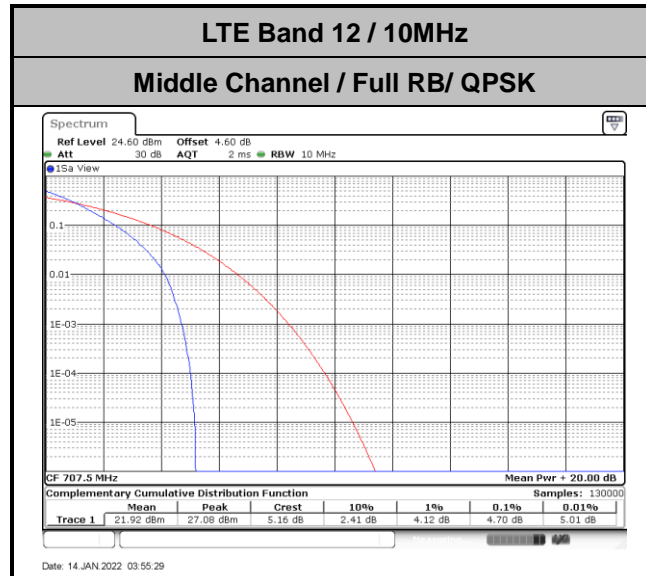
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

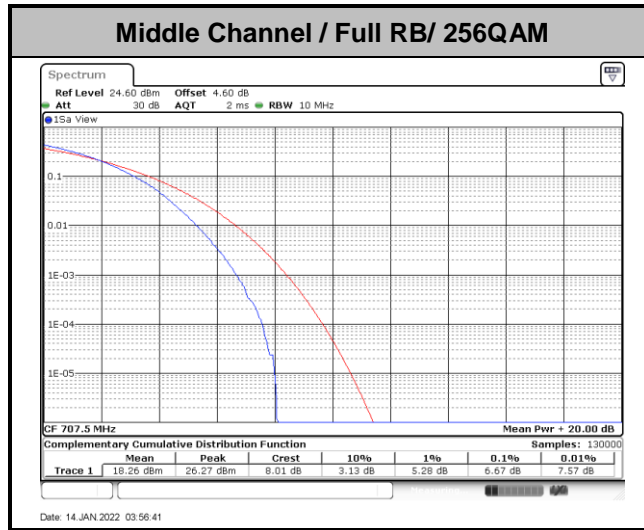


## LTE Band 12

### 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	4.70	5.68	6.26	PASS
Mod.	256QAM			Limit: 13dB
RB Size	Full RB			Result
Middle CH	6.67			PASS

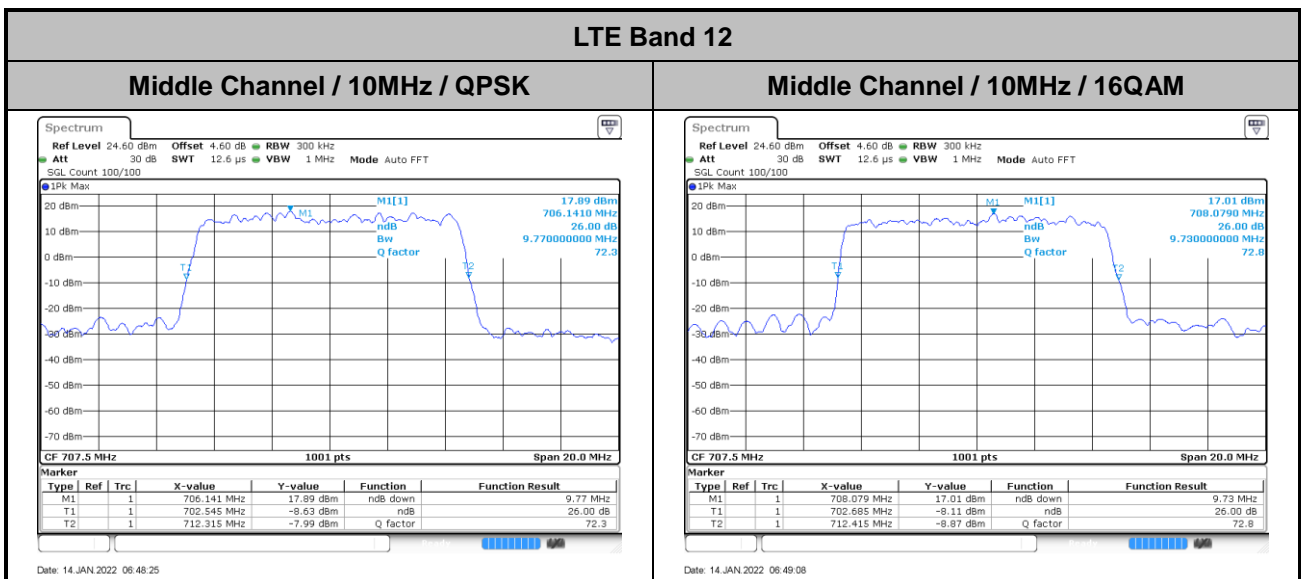






## 26dB Bandwidth

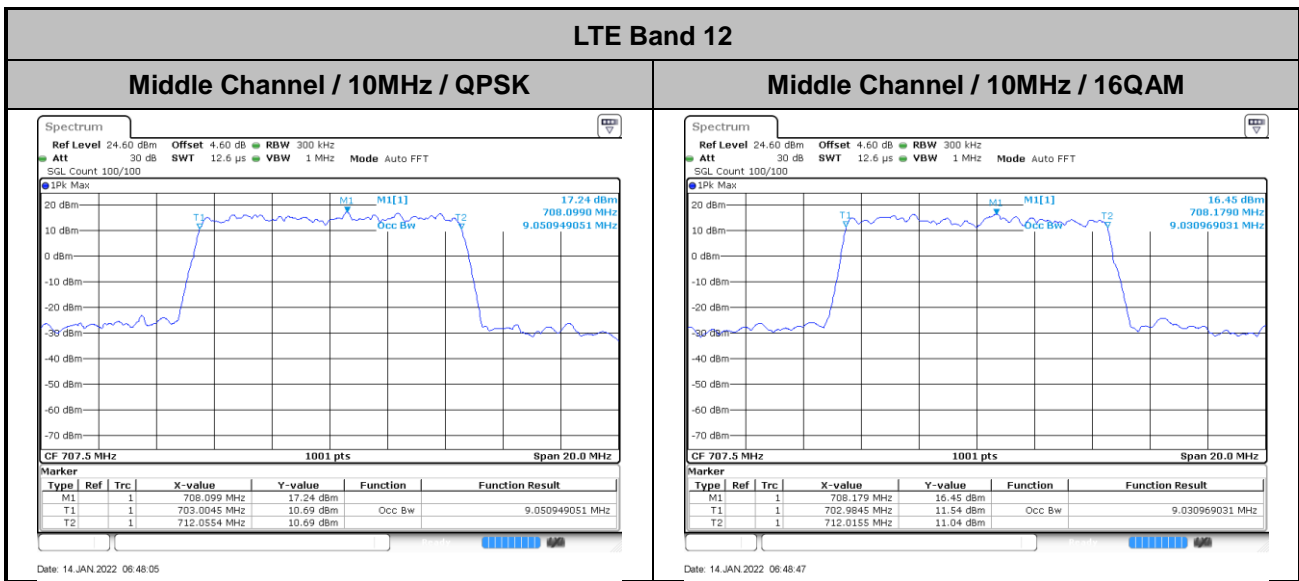
<b>Mode</b>	<b>LTE Band 12 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.77	9.73





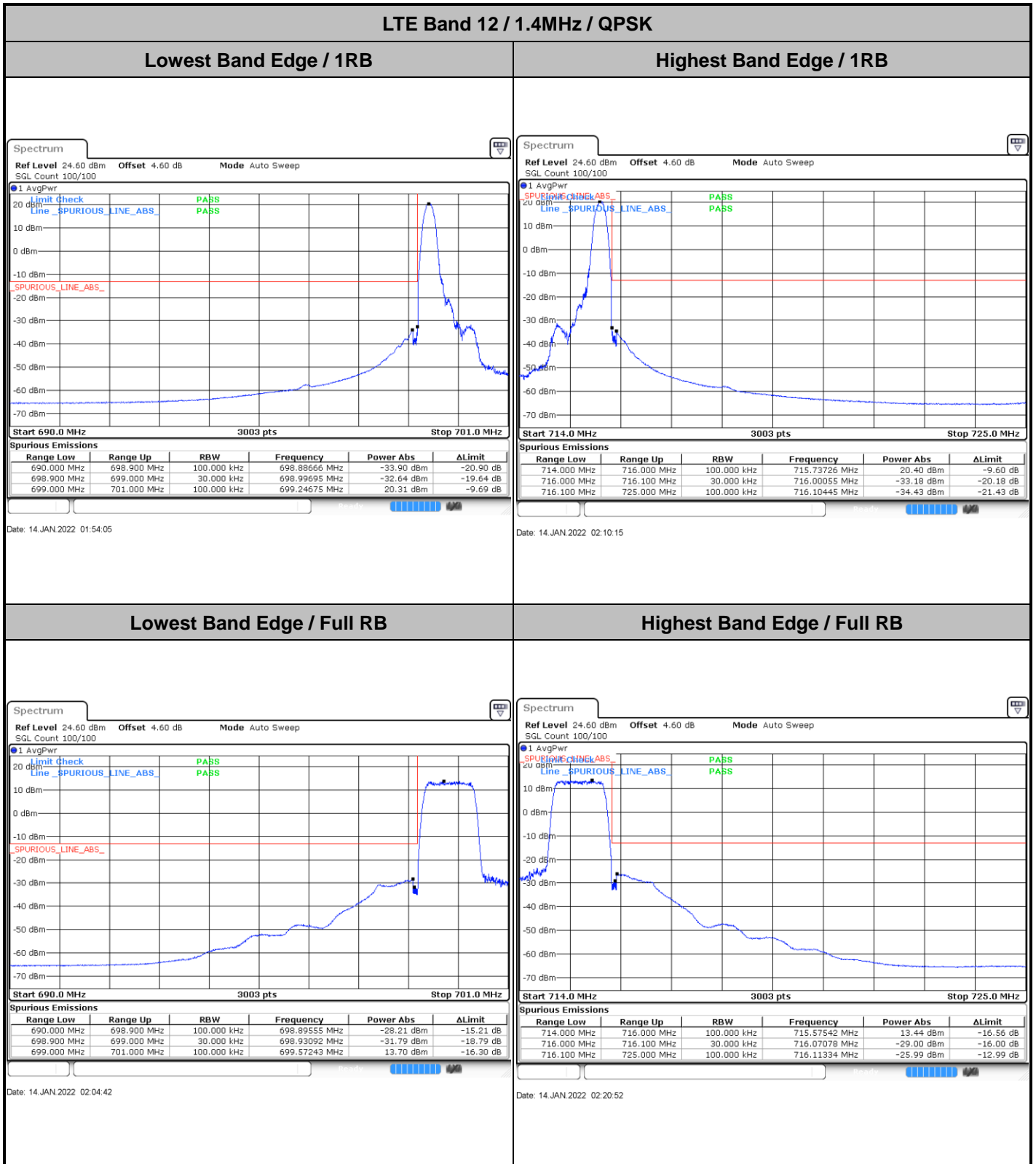
# Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.03





# Conducted Band Edge

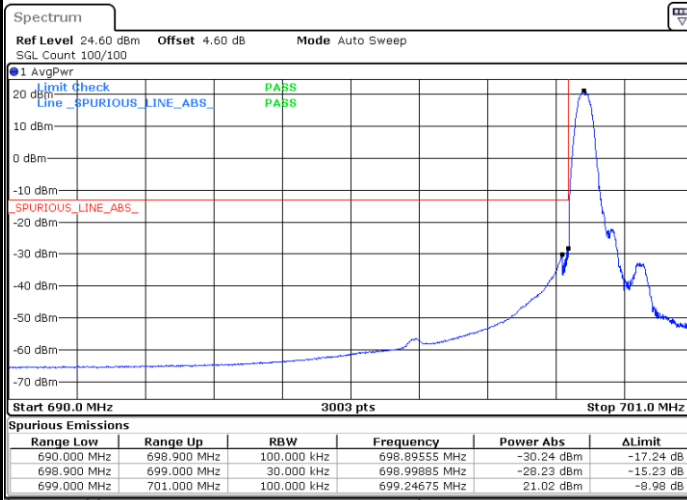






LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



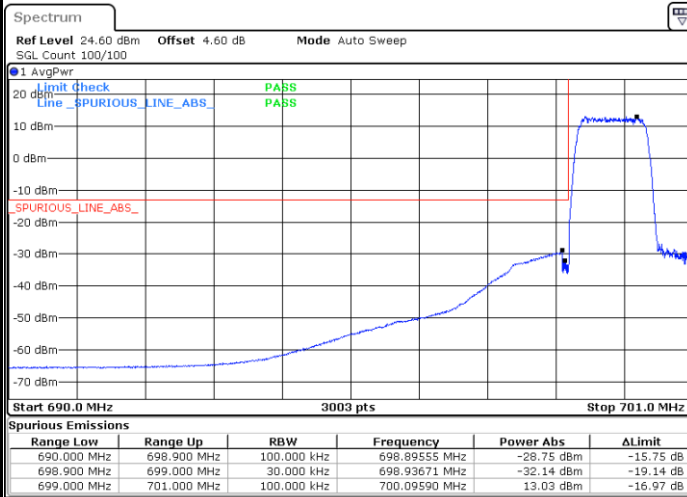
Date: 14. JAN 2022 01:55:35

Highest Band Edge / 1 RB



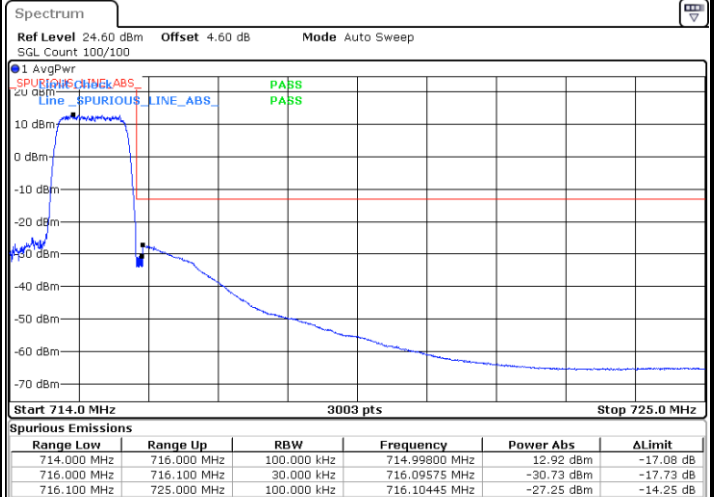
Date: 14. JAN 2022 02:11:47

Lowest Band Edge / Full RB



Date: 14. JAN 2022 02:03:11

Highest Band Edge / Full RB

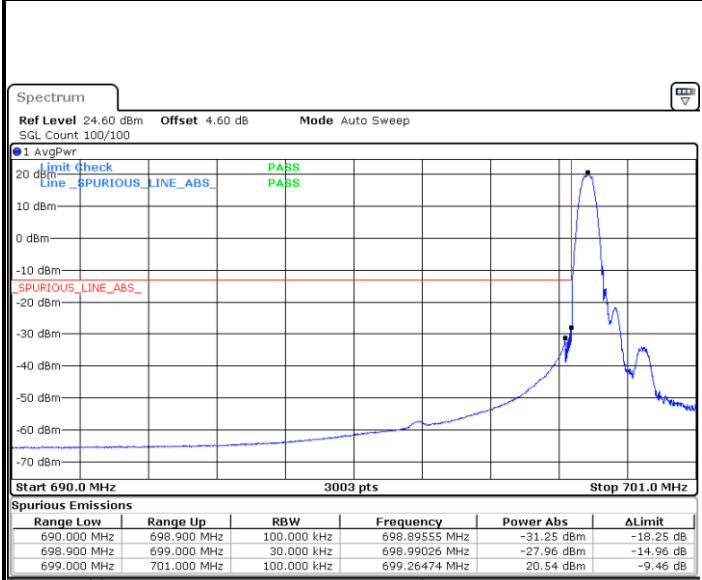


Date: 14. JAN 2022 02:19:22



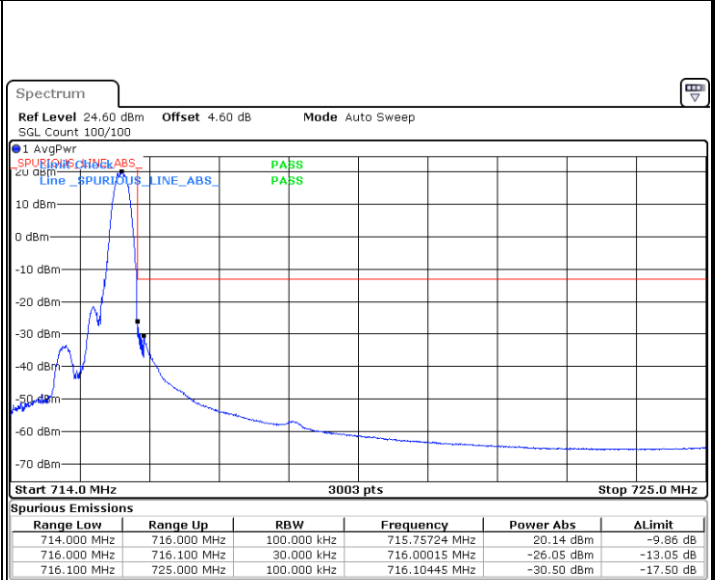
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



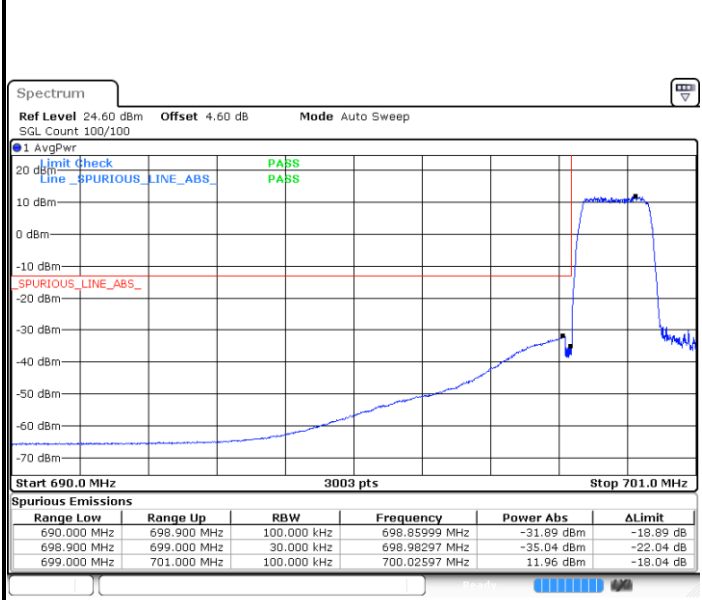
Date: 14. JAN 2022 01:57:05

Highest Band Edge / 1 RB



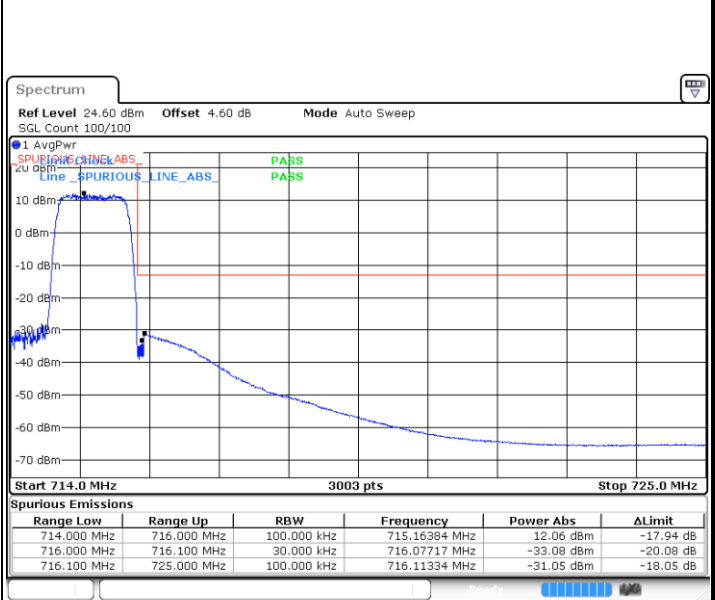
Date: 14. JAN 2022 02:13:17

Lowest Band Edge / Full RB



Date: 14. JAN 2022 02:01:39

Highest Band Edge / Full RB

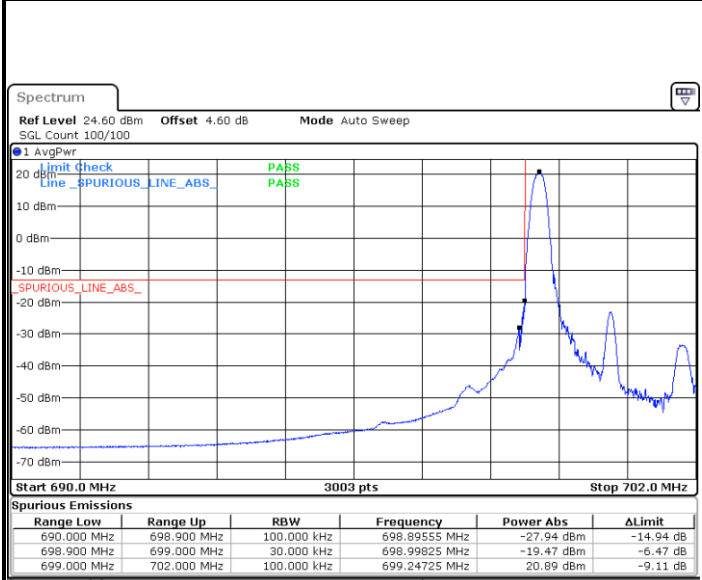


Date: 14. JAN 2022 02:17:52



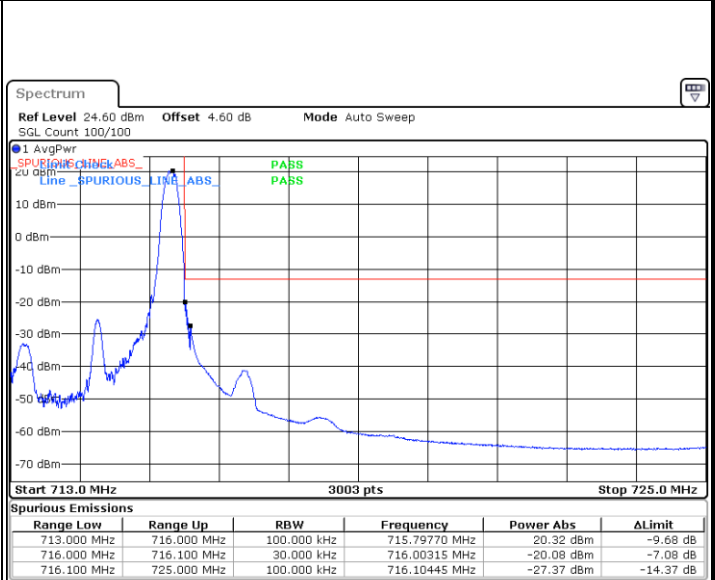
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



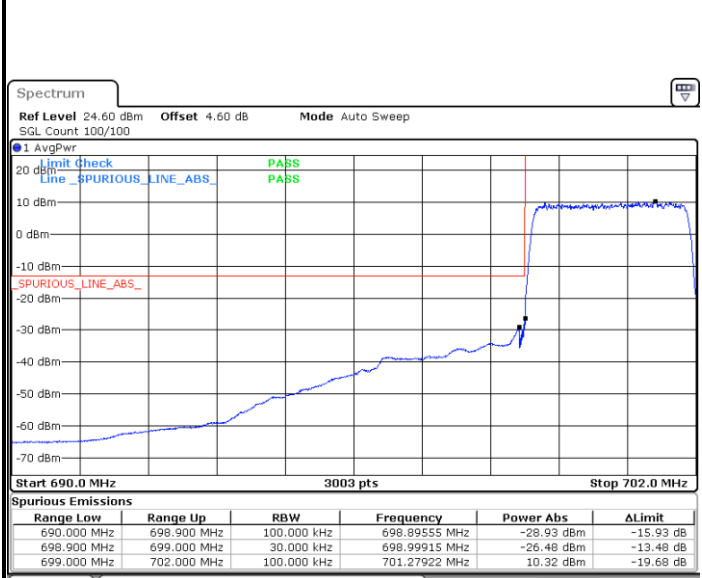
Date: 14. JAN 2022 02:24:24

Highest Band Edge / 1 RB



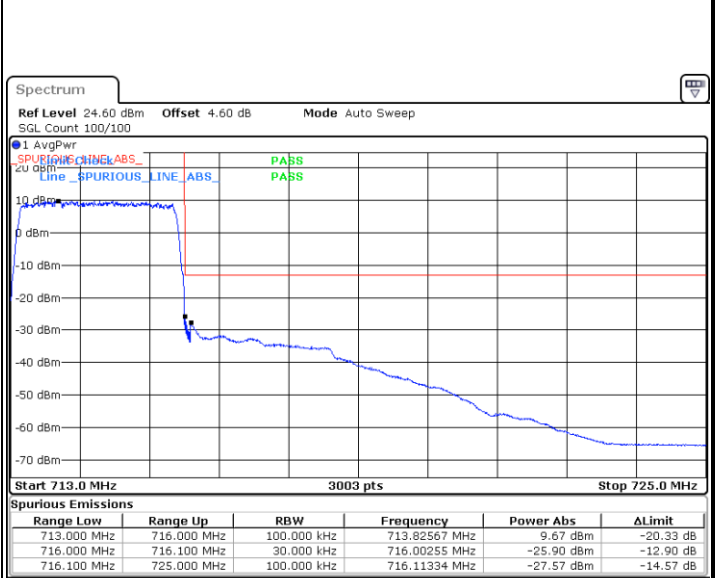
Date: 14. JAN 2022 02:40:29

Lowest Band Edge / Full RB



Date: 14. JAN 2022 02:34:56

Highest Band Edge / Full RB

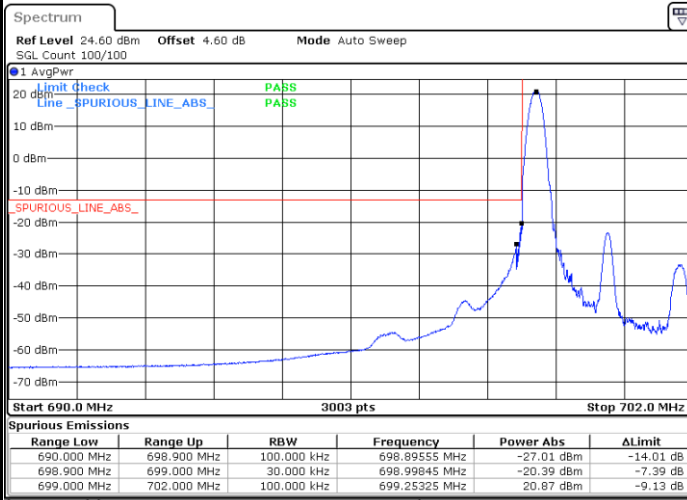


Date: 14. JAN 2022 02:51:50



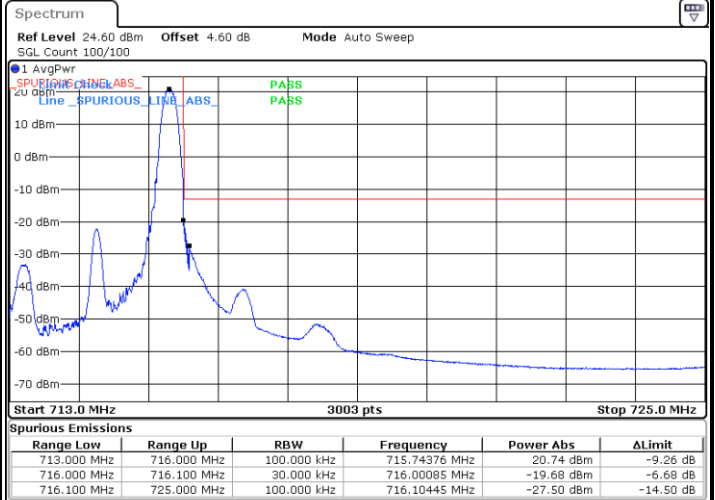
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



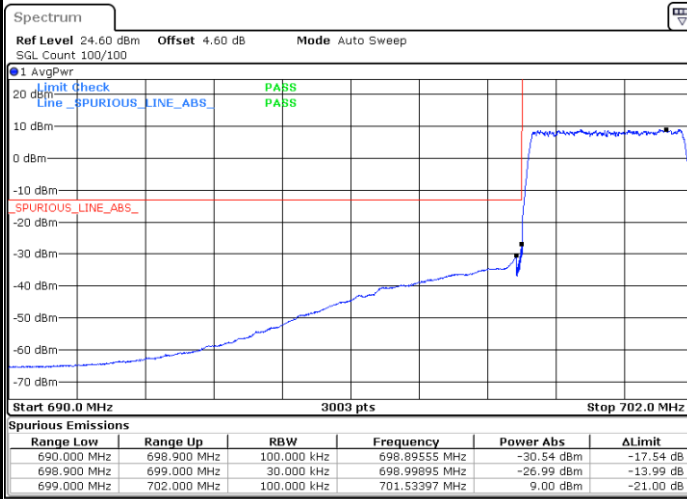
Date: 14. JAN 2022 02:25:54

Highest Band Edge / 1 RB



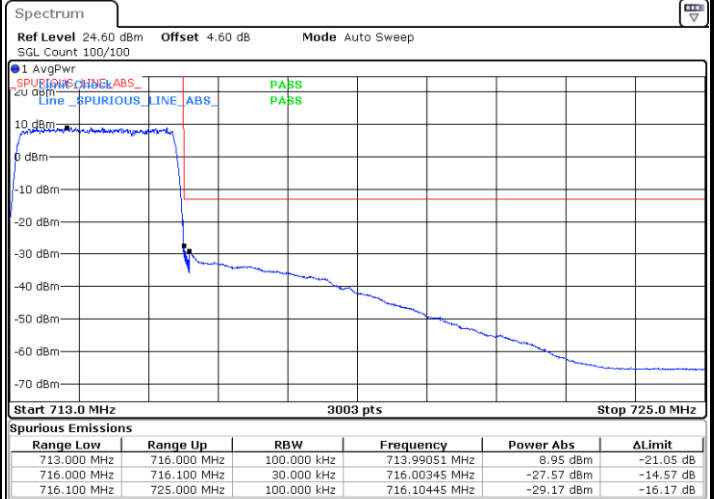
Date: 14. JAN 2022 02:42:00

Lowest Band Edge / Full RB



Date: 14. JAN 2022 02:33:26

Highest Band Edge / Full RB

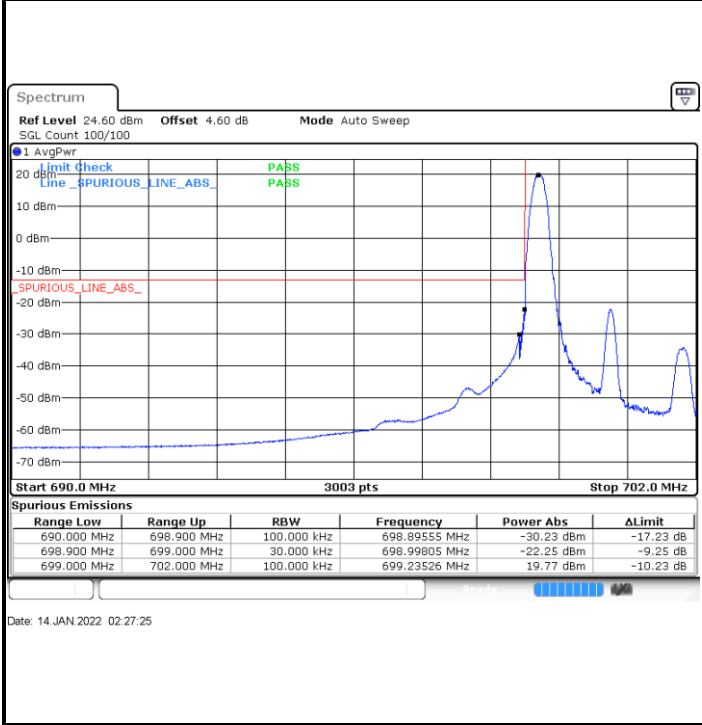


Date: 14. JAN 2022 02:50:19

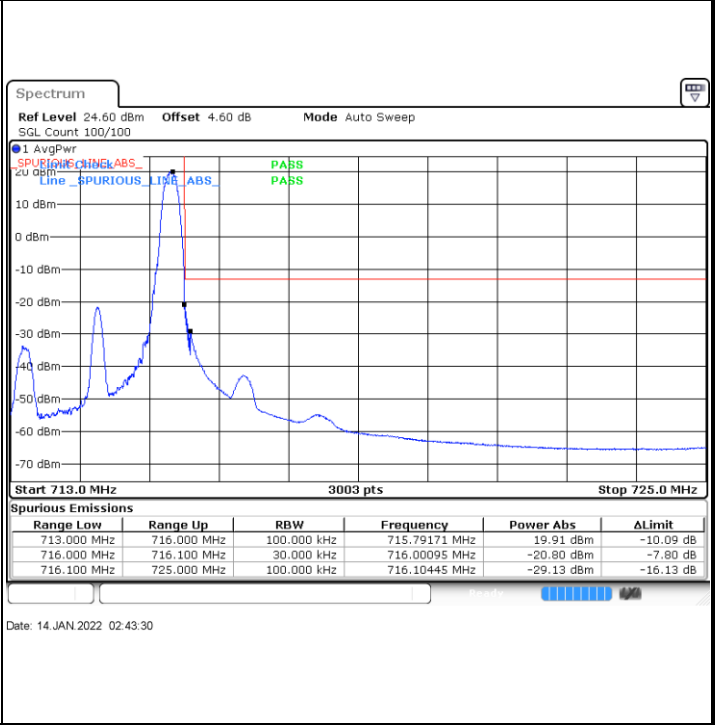


LTE Band 12 / 3MHz / 64QAM

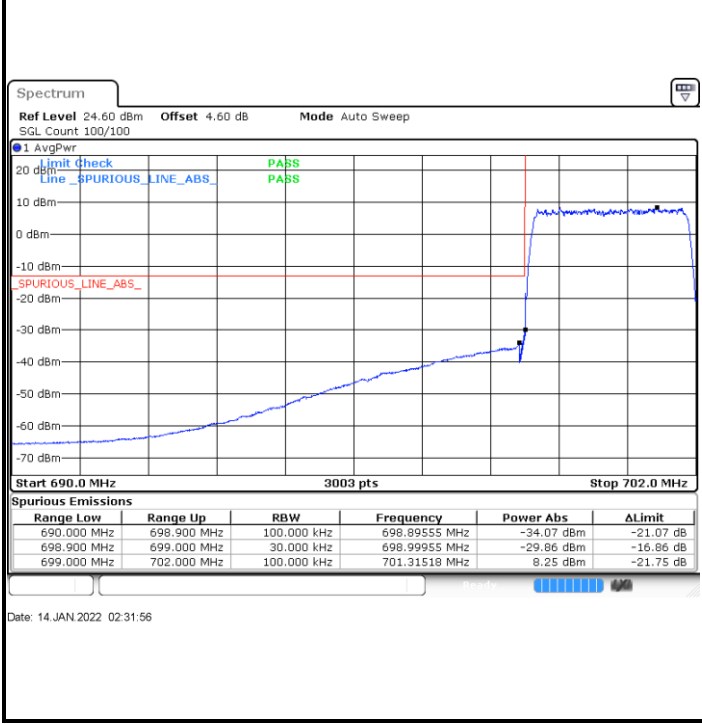
Lowest Band Edge / 1 RB



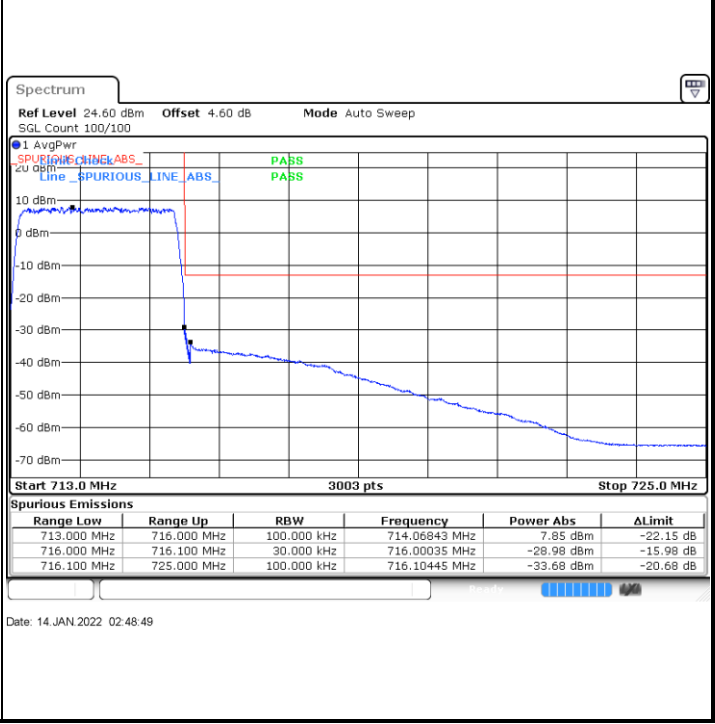
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



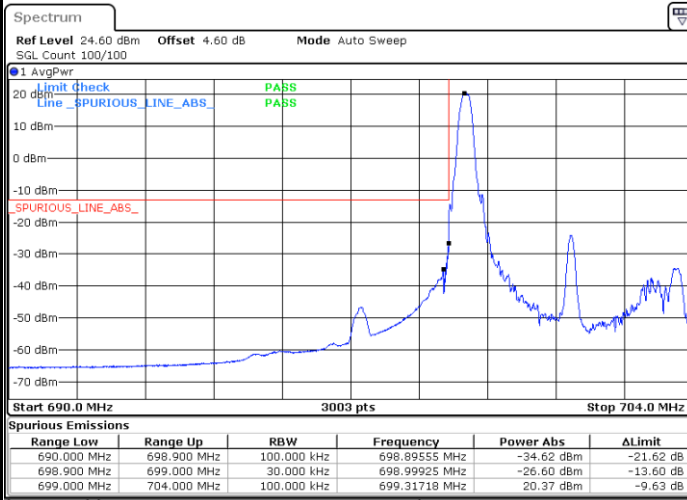
Highest Band Edge / Full RB





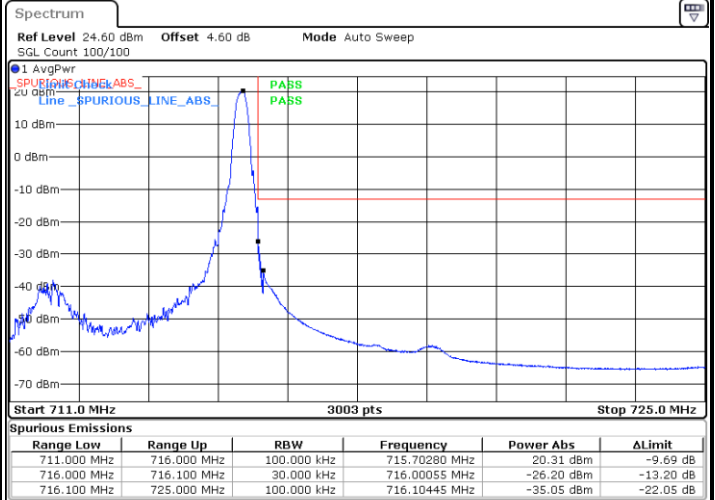
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



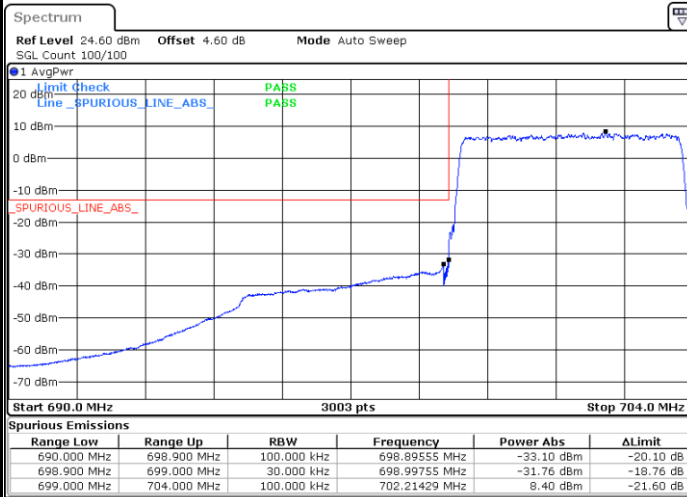
Date: 14. JAN 2022 02:55:21

Highest Band Edge / 1 RB



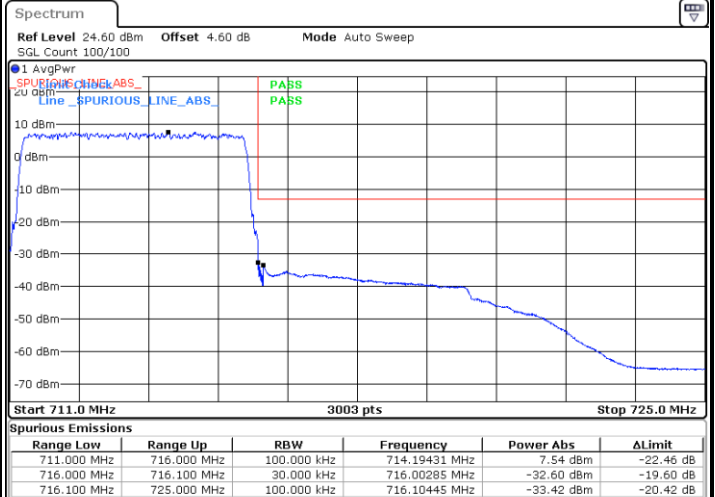
Date: 14. JAN 2022 03:12:38

Lowest Band Edge / Full RB



Date: 14. JAN 2022 03:07:04

Highest Band Edge / Full RB

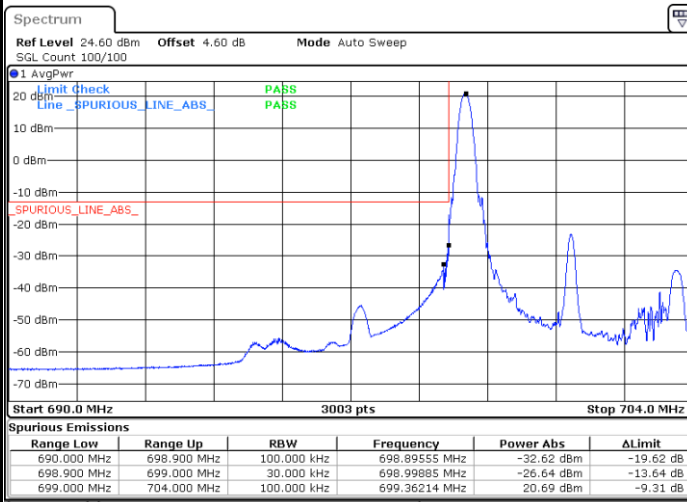


Date: 14. JAN 2022 03:23:11



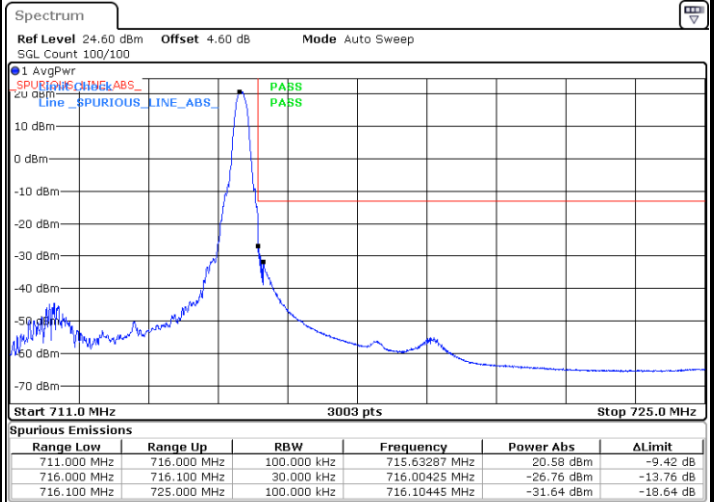
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



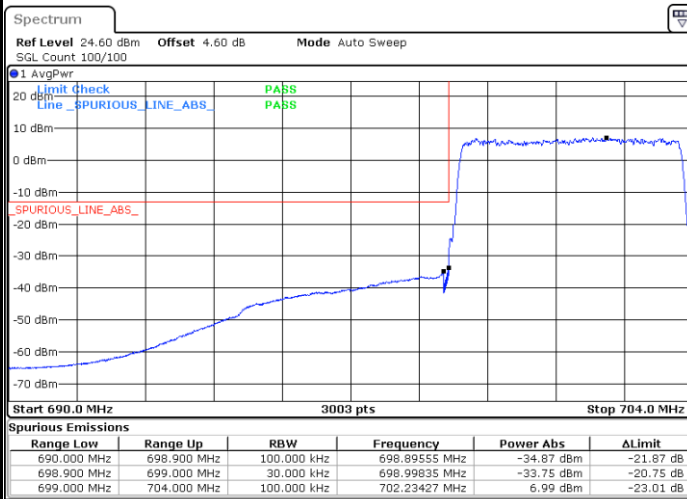
Date: 14. JAN 2022 02:56:51

Highest Band Edge / 1 RB



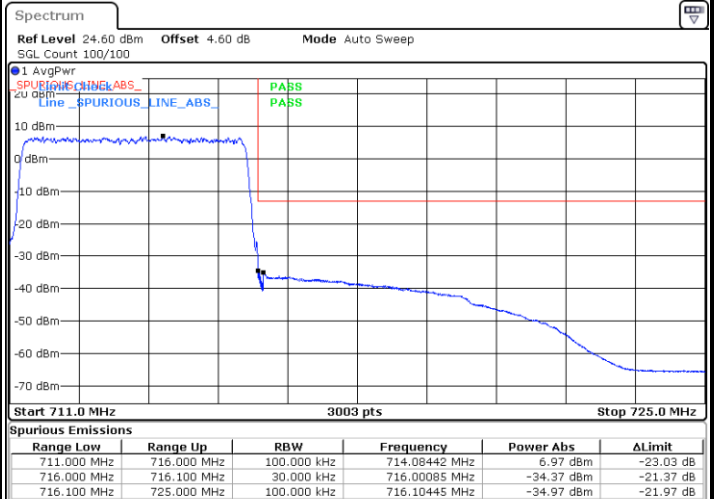
Date: 14. JAN 2022 03:14:08

Lowest Band Edge / Full RB



Date: 14. JAN 2022 03:05:33

Highest Band Edge / Full RB

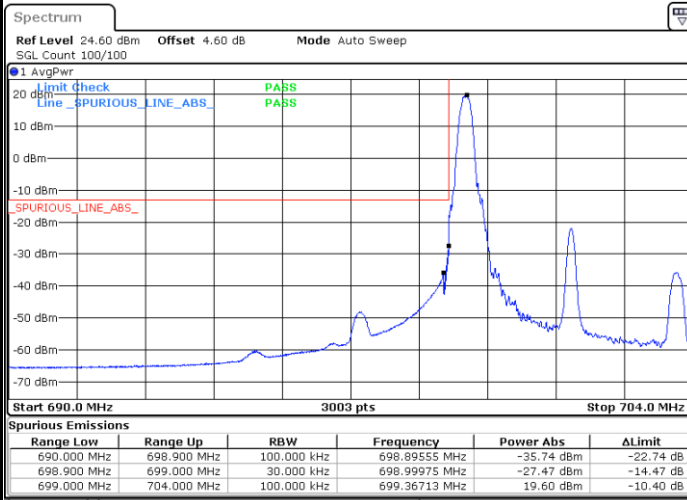


Date: 14. JAN 2022 03:21:41



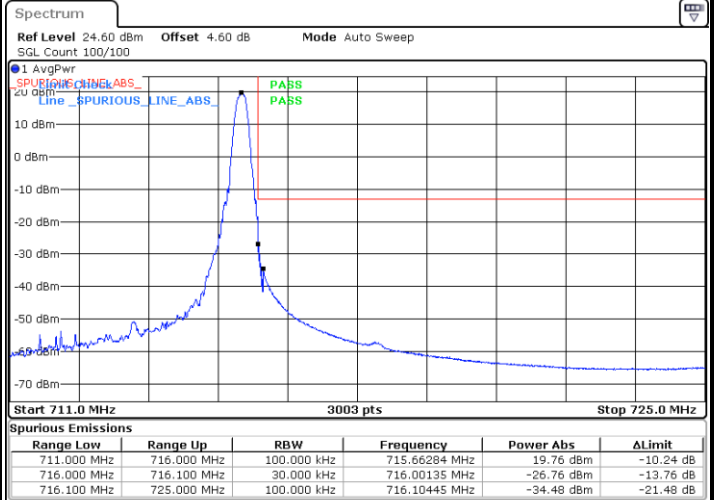
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



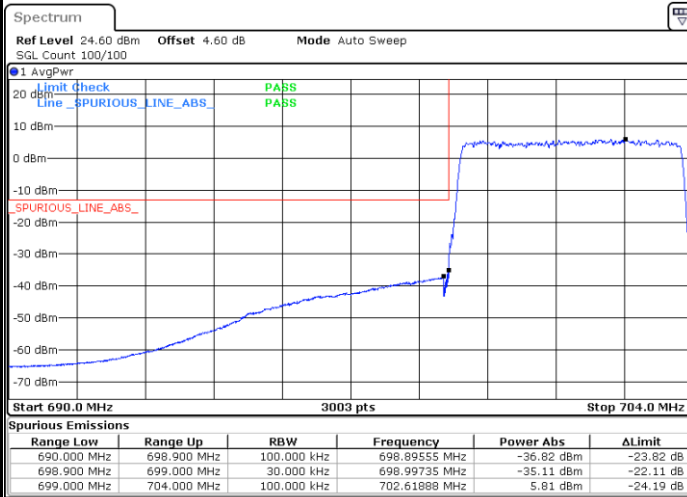
Date: 14. JAN 2022 02:58:21

Highest Band Edge / 1 RB



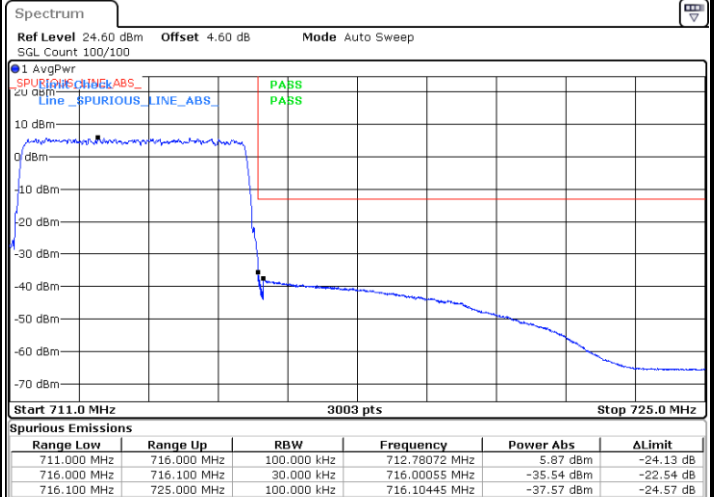
Date: 14. JAN 2022 03:15:40

Lowest Band Edge / Full RB



Date: 14. JAN 2022 03:04:03

Highest Band Edge / Full RB



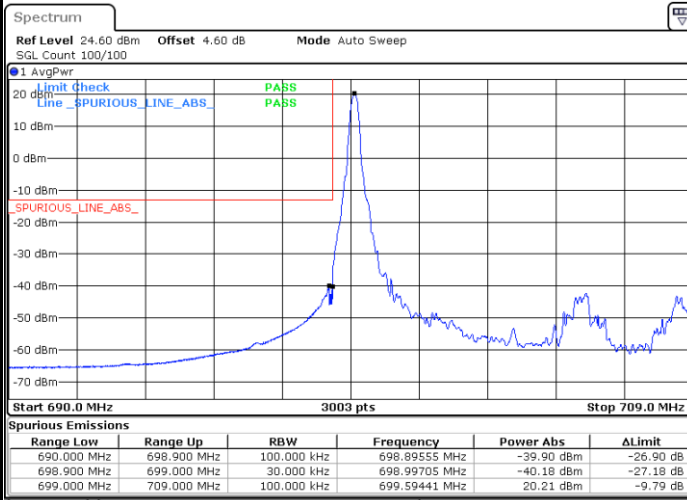
Date: 14. JAN 2022 03:20:11





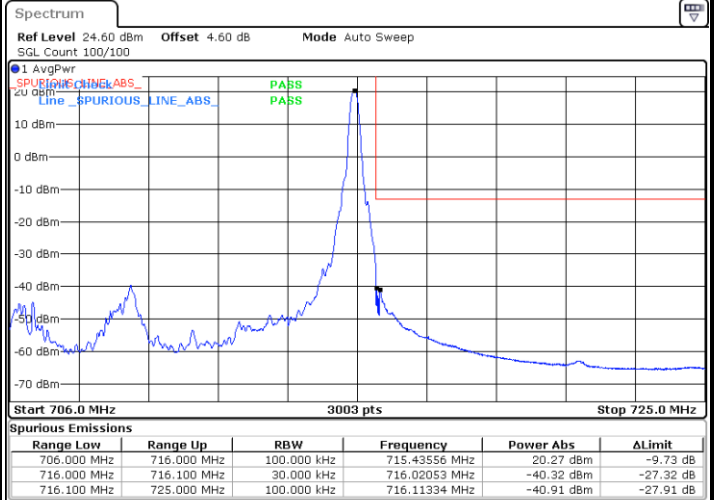
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



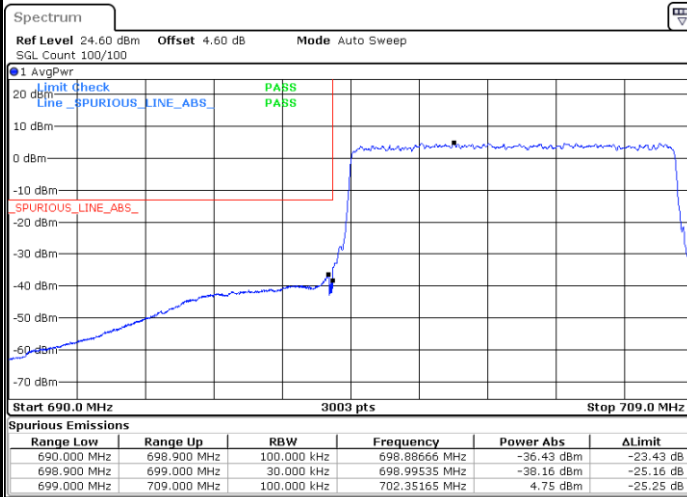
Date: 14. JAN 2022 03:26:43

Highest Band Edge / 1 RB



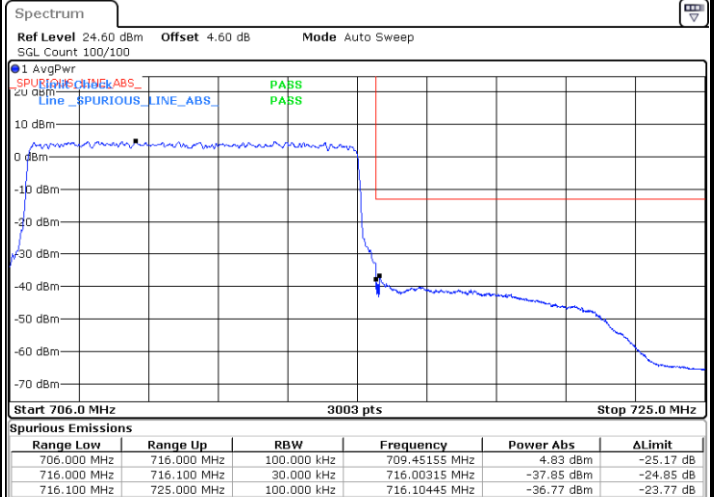
Date: 14. JAN 2022 03:42:50

Lowest Band Edge / Full RB



Date: 14. JAN 2022 03:37:17

Highest Band Edge / Full RB

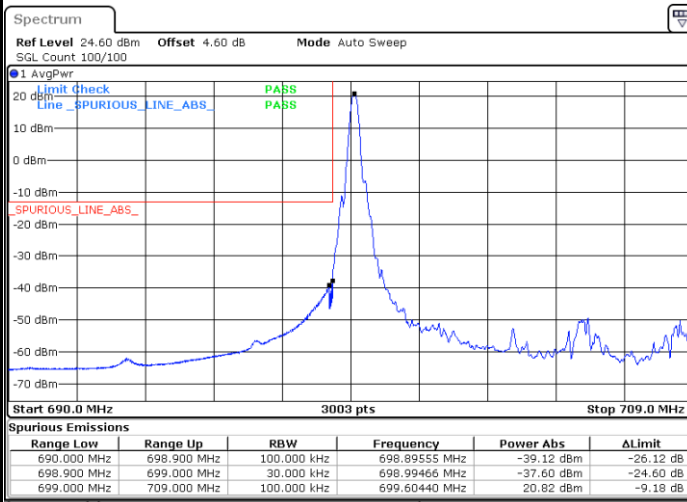


Date: 14. JAN 2022 03:55:06



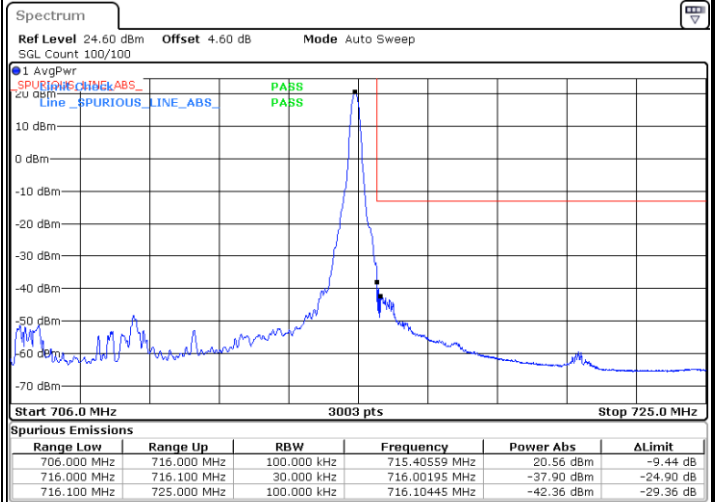
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



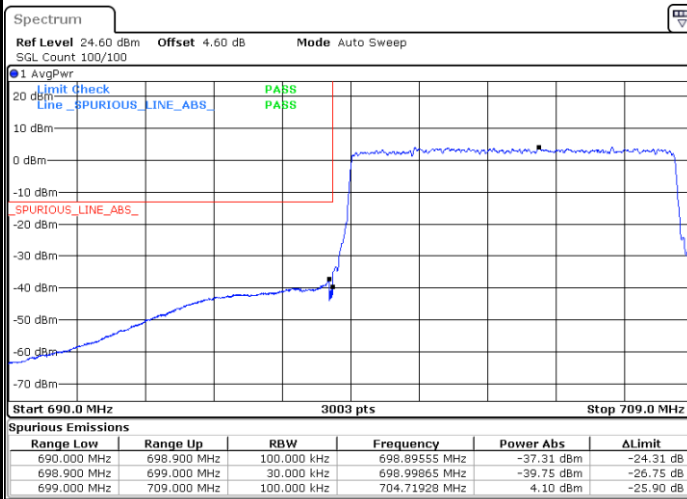
Date: 14. JAN 2022 03:28:14

Highest Band Edge / 1 RB



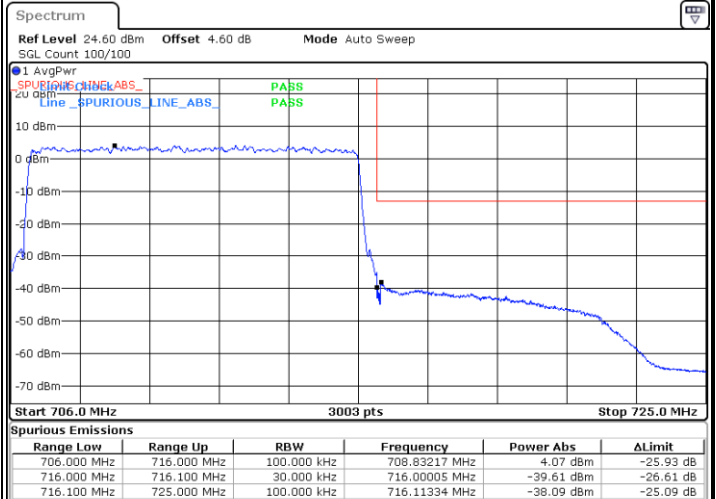
Date: 14. JAN 2022 03:44:21

Lowest Band Edge / Full RB



Date: 14. JAN 2022 03:35:47

Highest Band Edge / Full RB

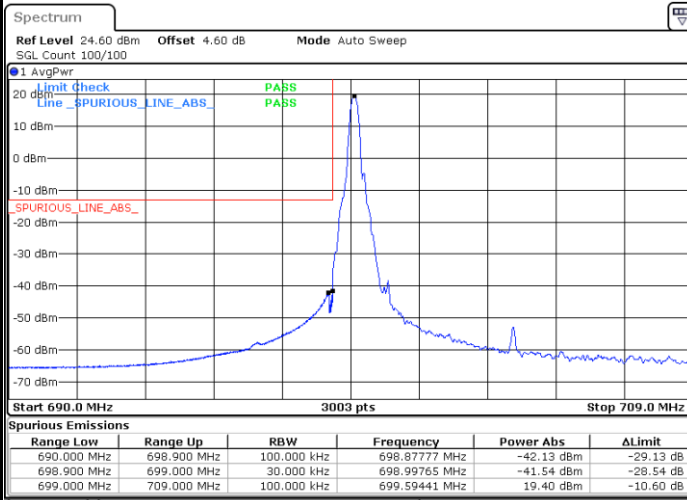


Date: 14. JAN 2022 03:53:36



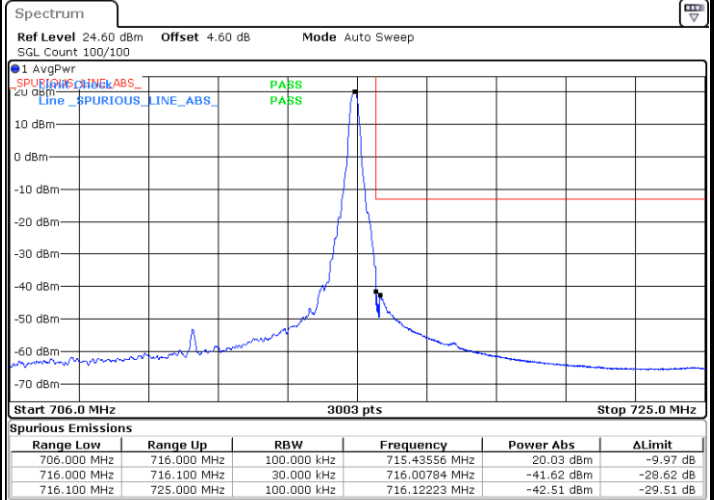
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



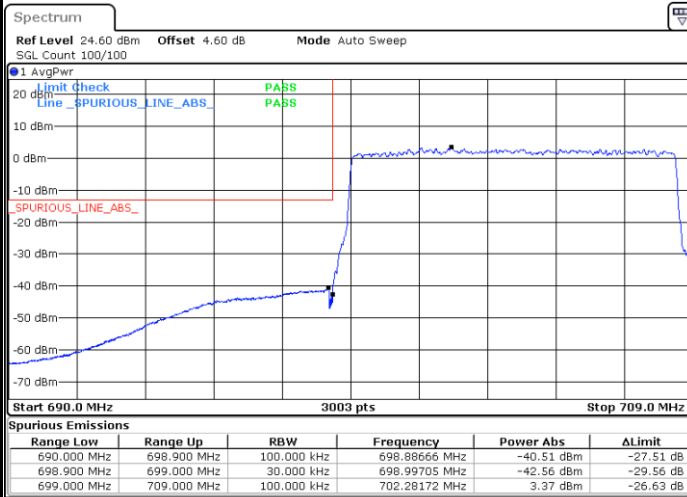
Date: 14. JAN 2022 03:29:44

Highest Band Edge / 1 RB



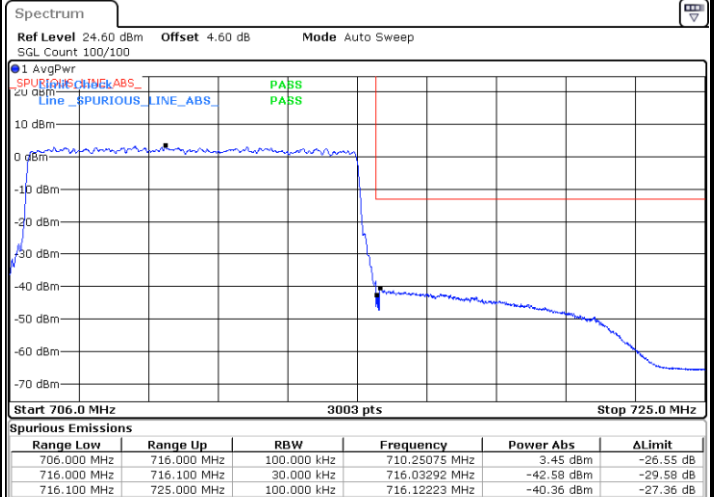
Date: 14. JAN 2022 03:45:51

Lowest Band Edge / Full RB



Date: 14. JAN 2022 03:34:17

Highest Band Edge / Full RB

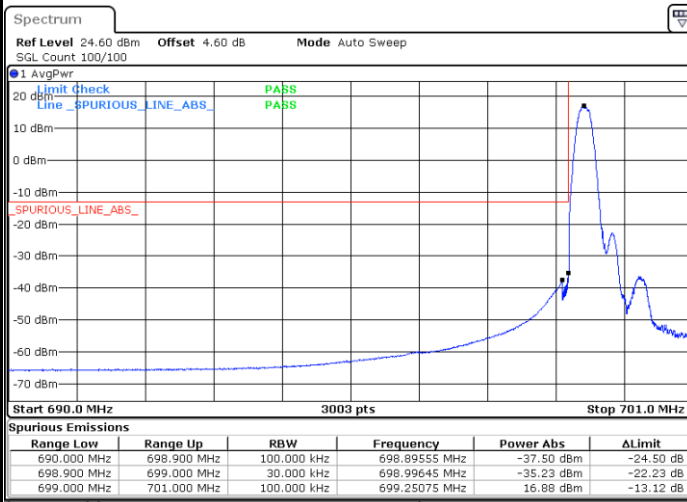


Date: 14. JAN 2022 03:52:06



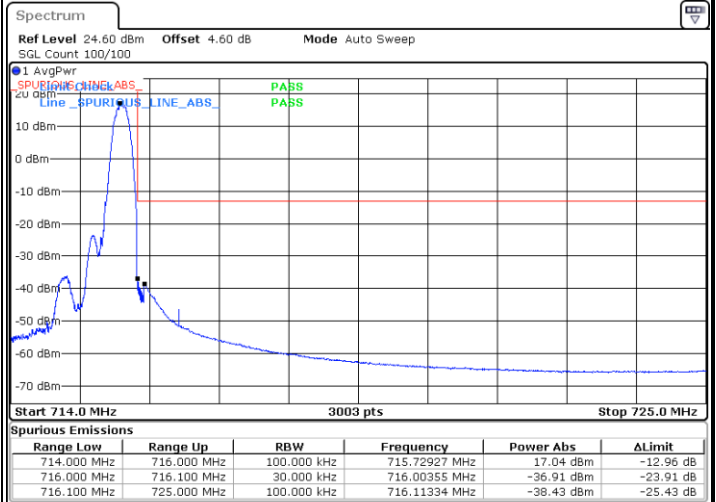
LTE Band 12 / 1.4MHz /256QAM

Lowest Band Edge / 1RB



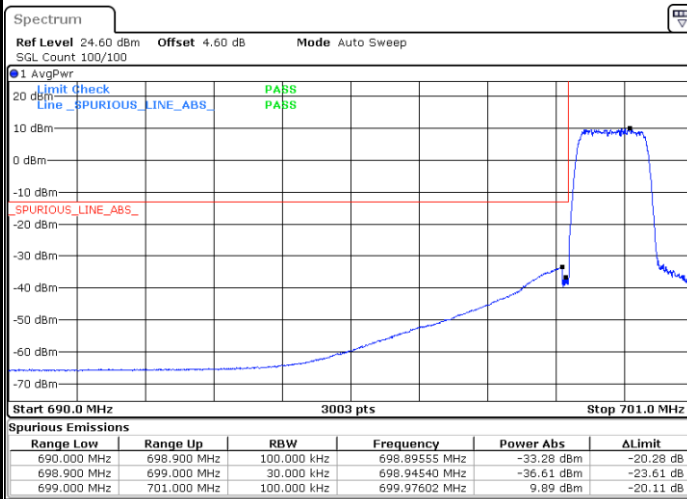
Date: 14. JAN 2022 01:58:36

Highest Band Edge / 1 RB



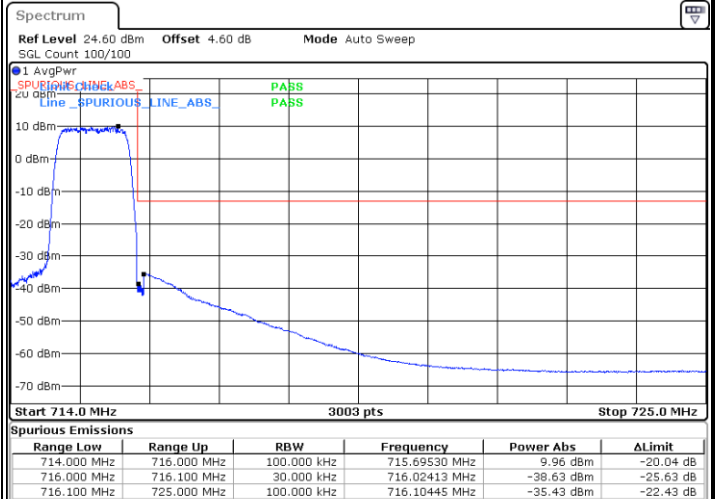
Date: 14. JAN 2022 02:14:47

Lowest Band Edge / Full RB



Date: 14. JAN 2022 02:00:06

Highest Band Edge / Full RB

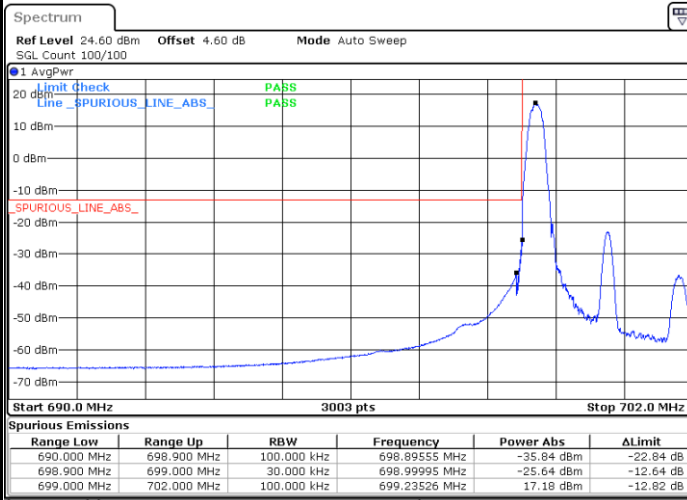


Date: 14. JAN 2022 02:16:18



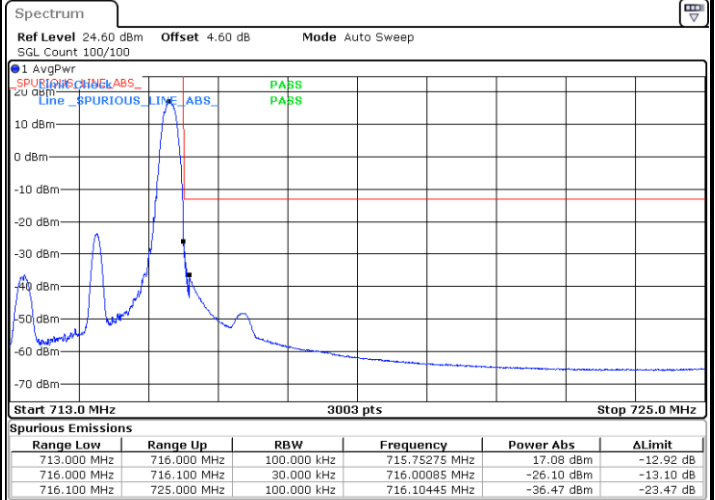
LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



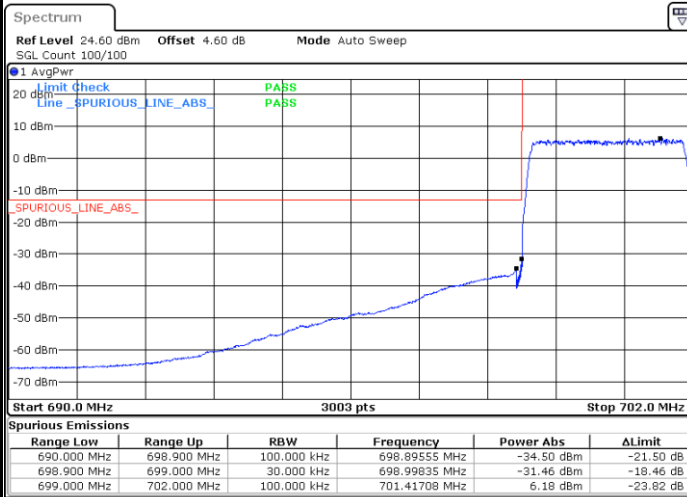
Date: 14. JAN 2022 02:28:55

Highest Band Edge / 1 RB



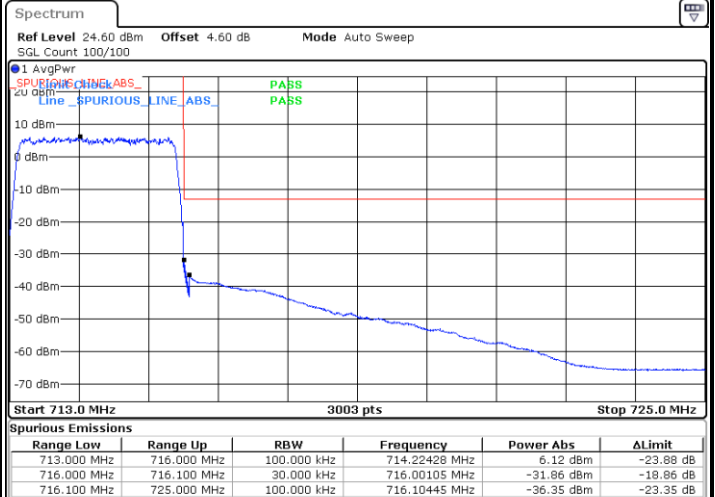
Date: 14. JAN 2022 02:45:01

Lowest Band Edge / Full RB



Date: 14. JAN 2022 02:30:26

Highest Band Edge / Full RB

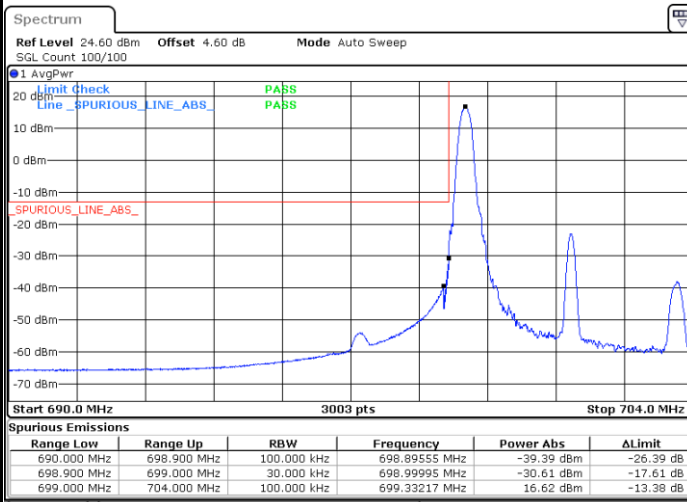


Date: 14. JAN 2022 02:46:31



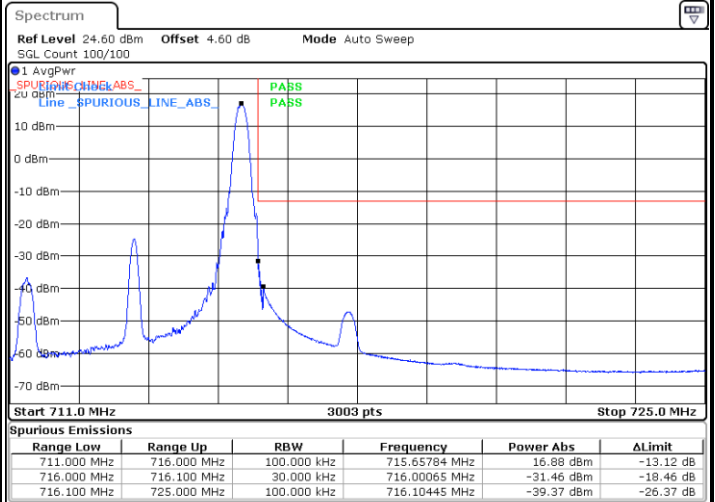
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



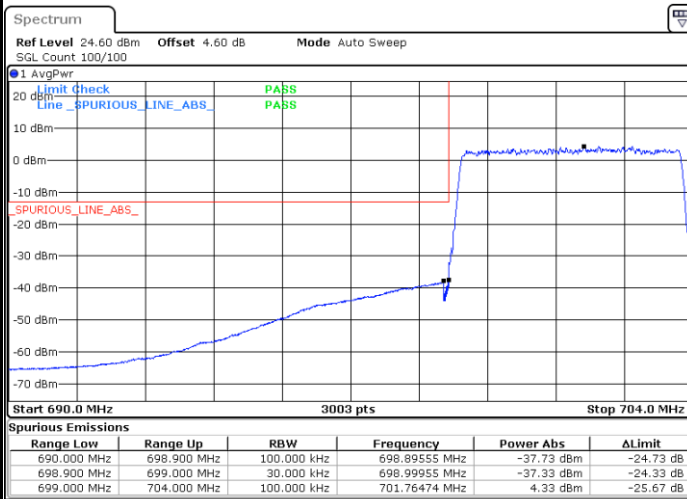
Date: 14. JAN 2022 02:59:52

Highest Band Edge / 1 RB



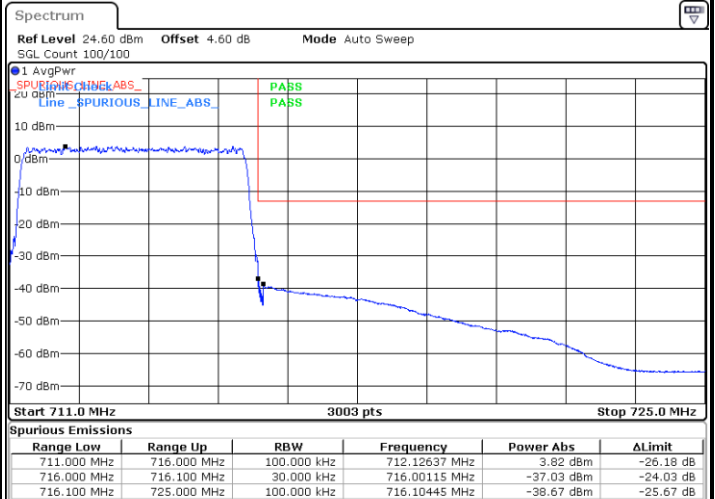
Date: 14. JAN 2022 03:17:10

Lowest Band Edge / Full RB



Date: 14. JAN 2022 03:01:22

Highest Band Edge / Full RB



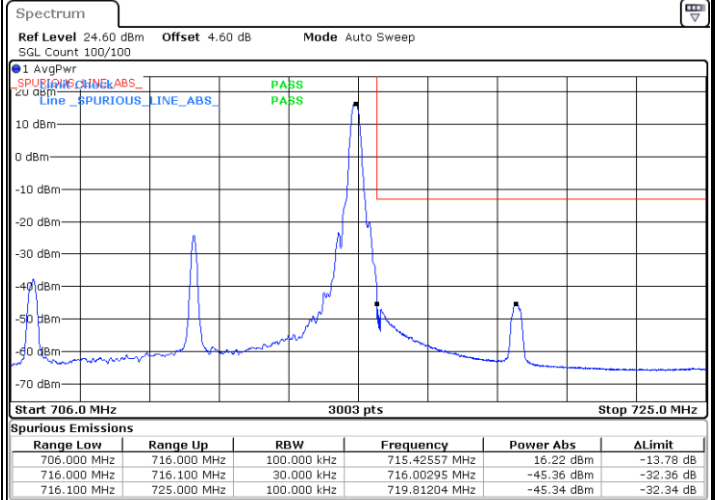
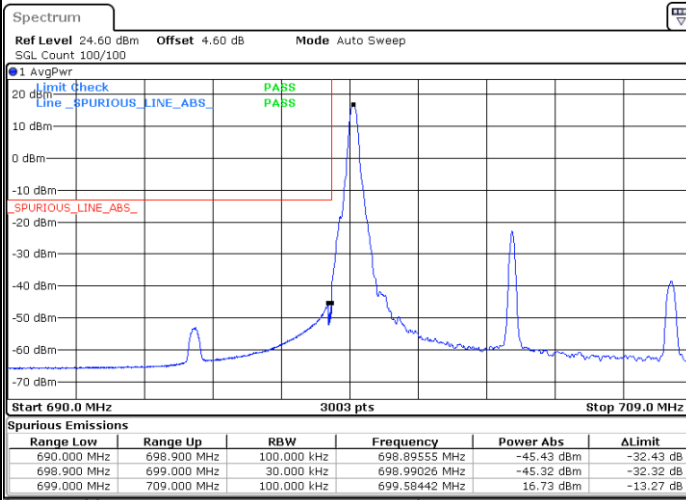
Date: 14. JAN 2022 03:18:41



LTE Band 12 / 10MHz /256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

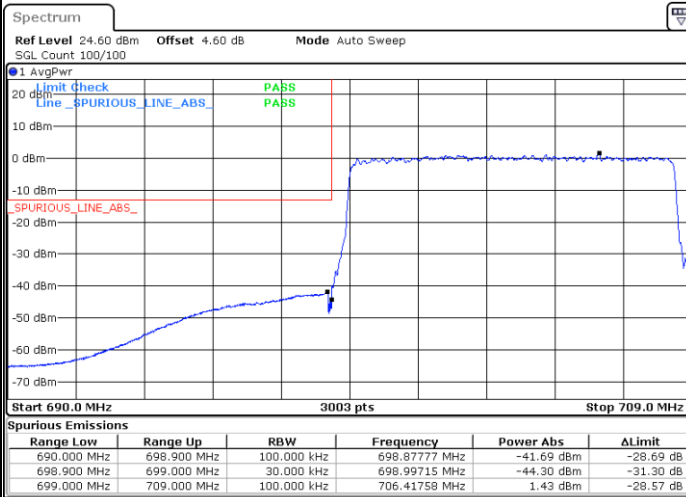


Date: 14. JAN 2022 03:31:14

Date: 14. JAN 2022 03:47:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14. JAN 2022 03:32:45

Date: 14. JAN 2022 03:48:51



# Conducted Spurious Emission

