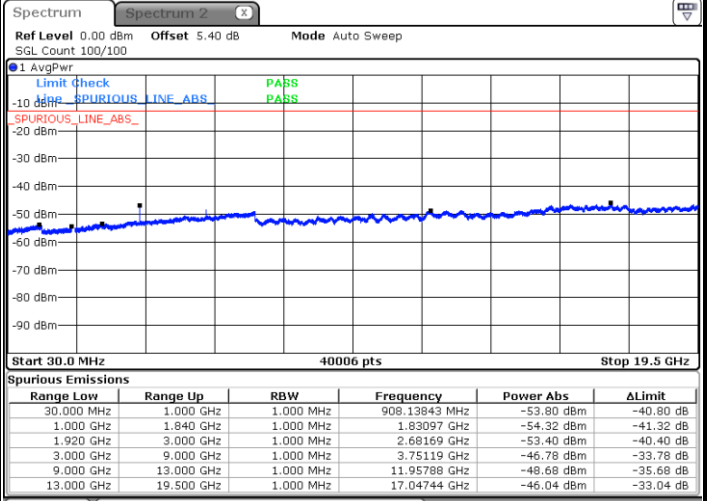
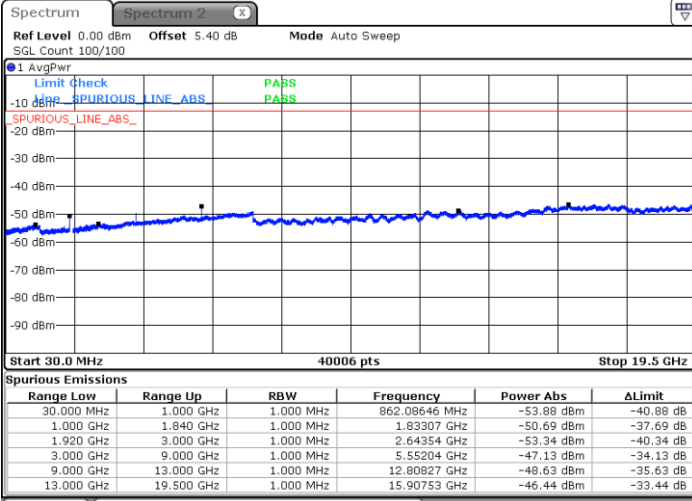




LTE Band 2 / 10MHz

Lowest Channel / QPSK

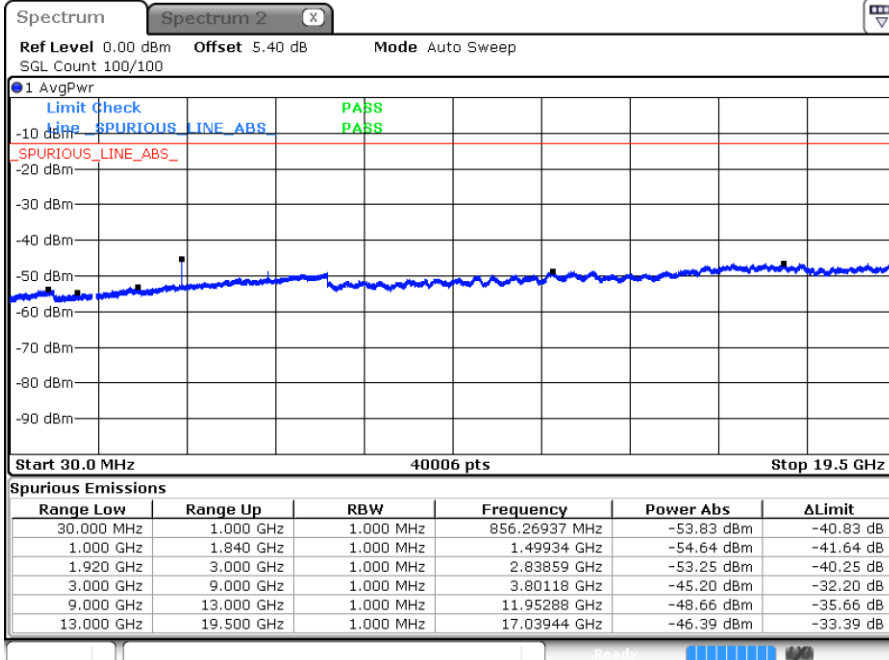
Middle Channel / QPSK



Date: 18 JAN 2022 01:06:19

Date: 18 JAN 2022 01:16:54

Highest Channel / QPSK



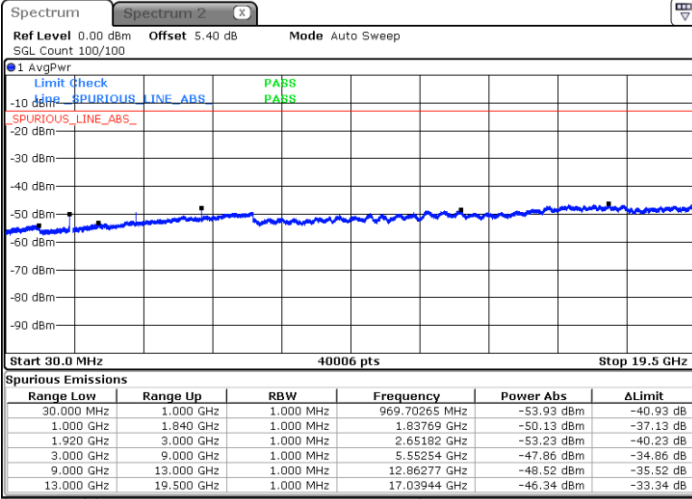
Date: 18 JAN 2022 01:18:24



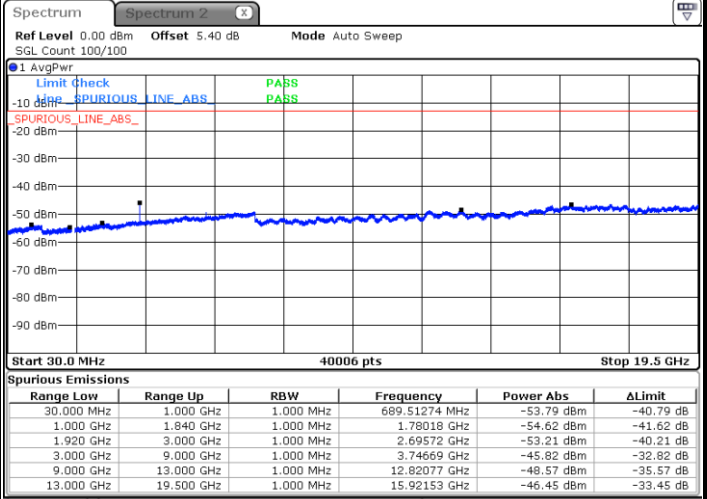
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

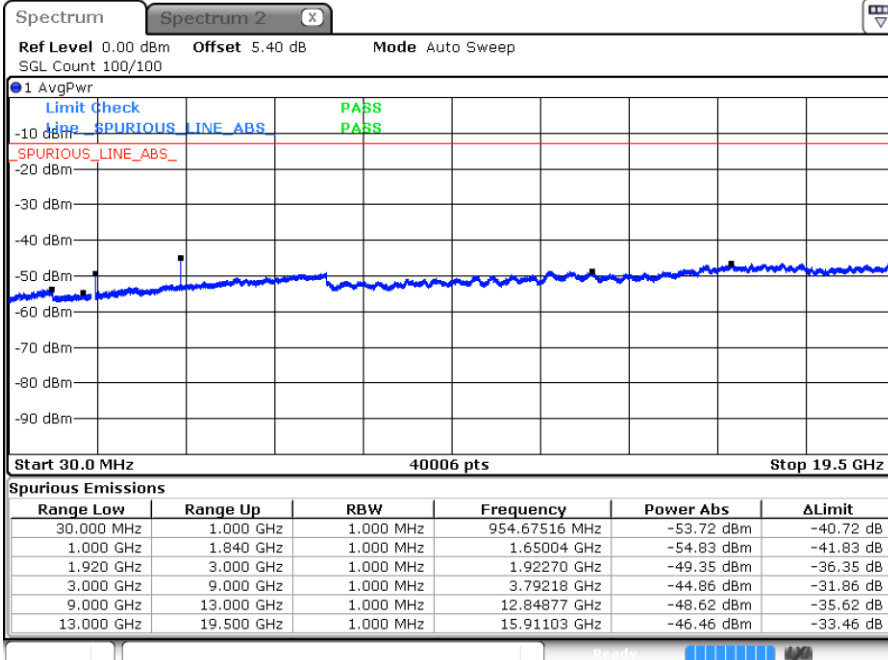


Date: 18 JAN 2022 01:29:03



Date: 18 JAN 2022 01:39:40

Highest Channel / QPSK



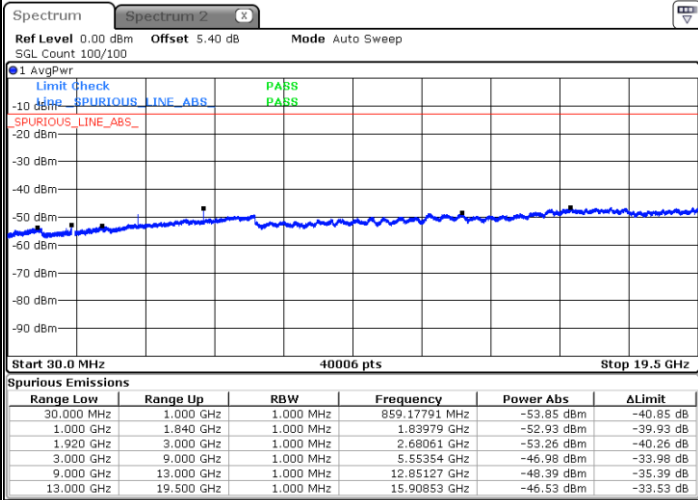
Date: 18 JAN 2022 01:41:11



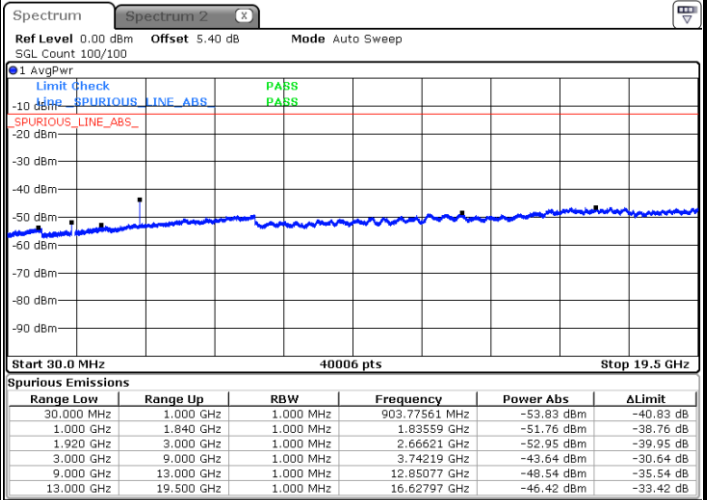
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

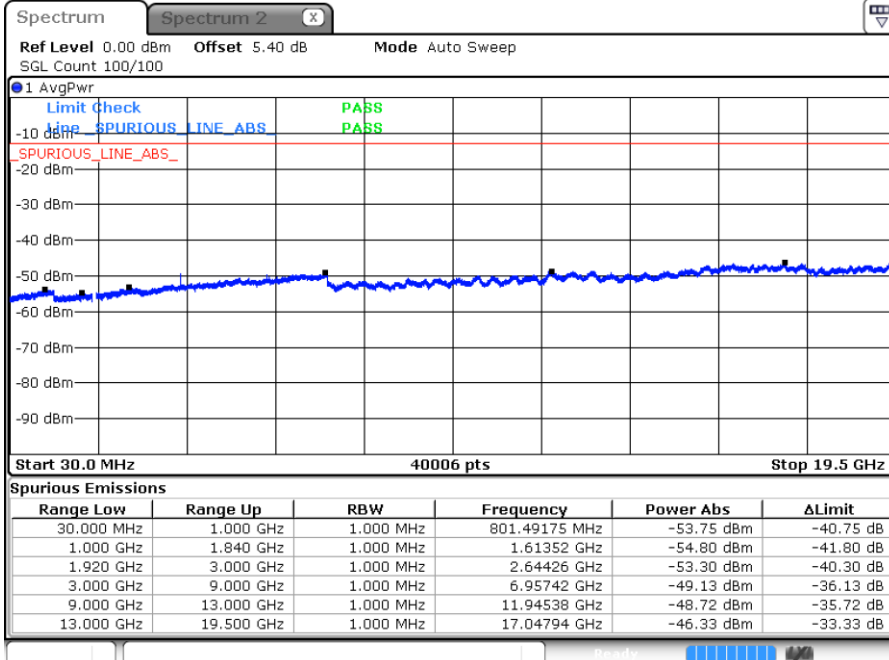


Date: 18 JAN 2022 01:51:50



Date: 18 JAN 2022 02:02:28

Highest Channel / QPSK



Date: 18 JAN 2022 02:03:59



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	0.0021	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0012	

Note:

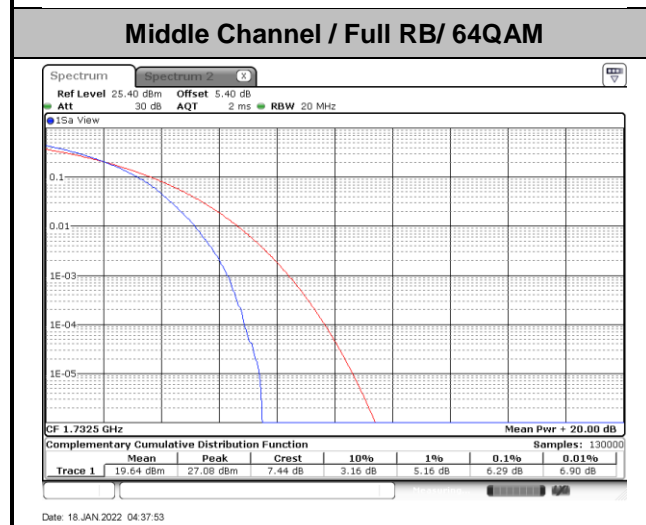
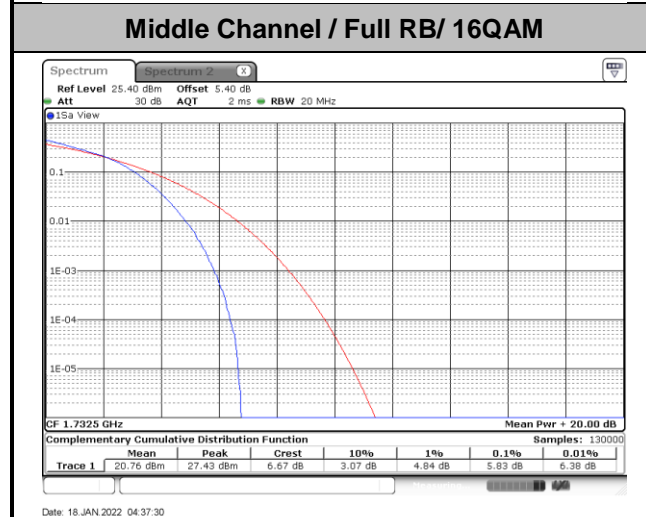
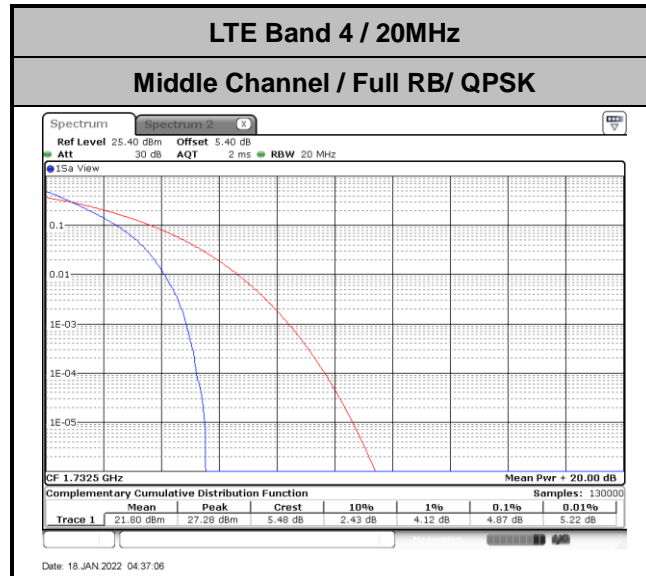
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 4

### Peak-to-Average Ratio

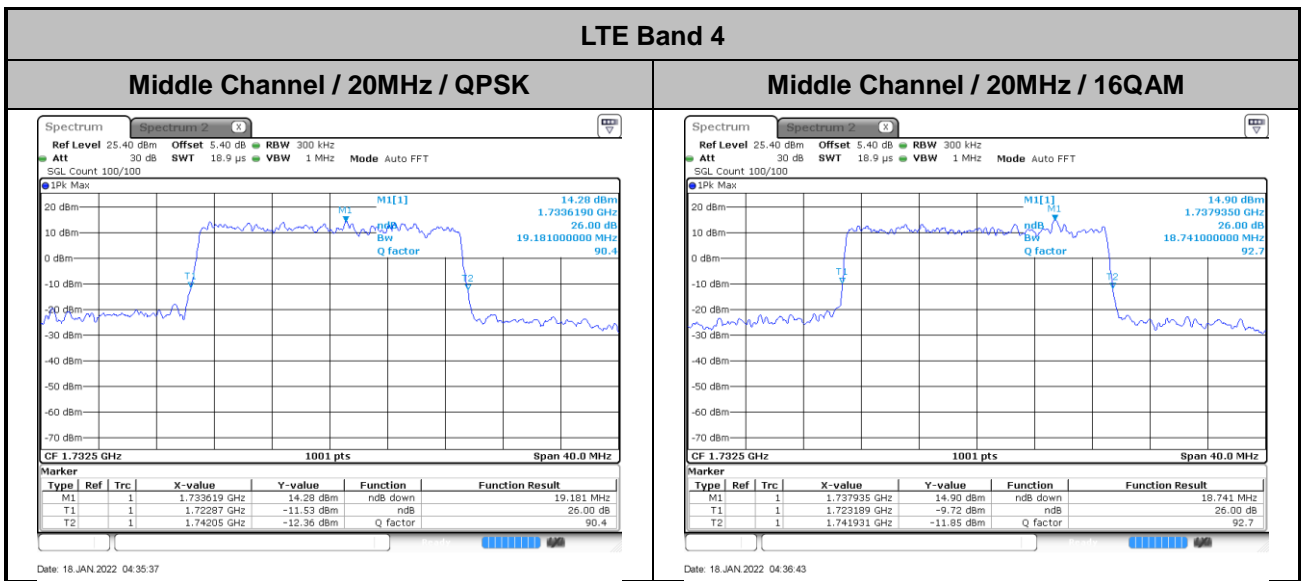
Mode	LTE Band 4 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.87	5.83	6.29	<b>PASS</b>





**26dB Bandwidth**

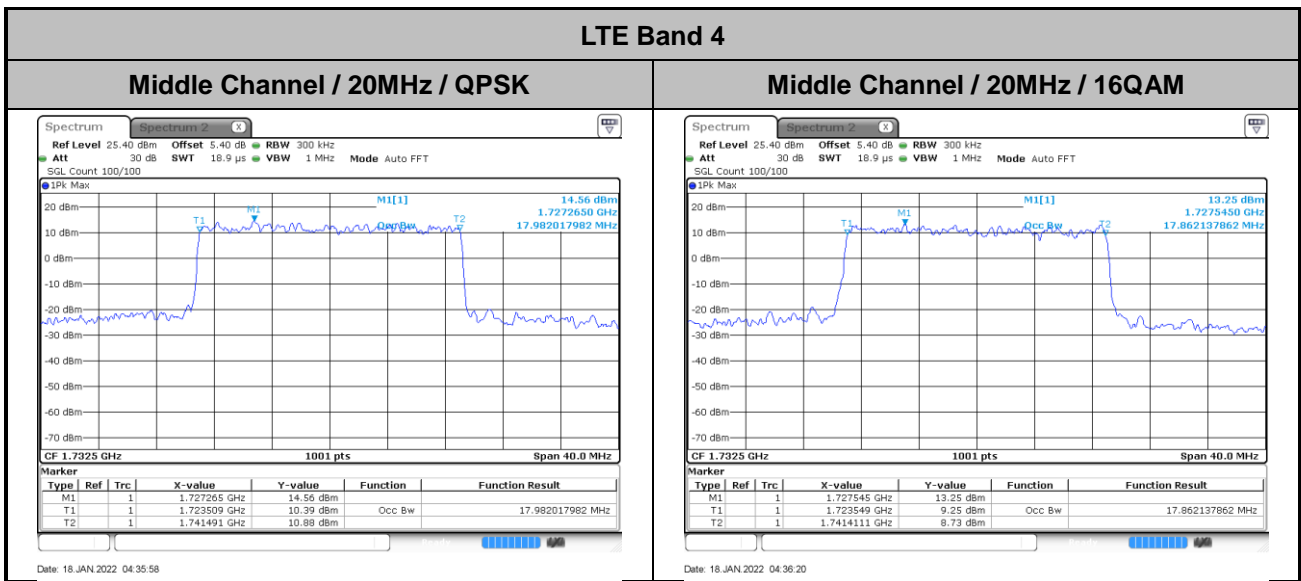
Mode	LTE Band 4 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.18	18.74





## Occupied Bandwidth

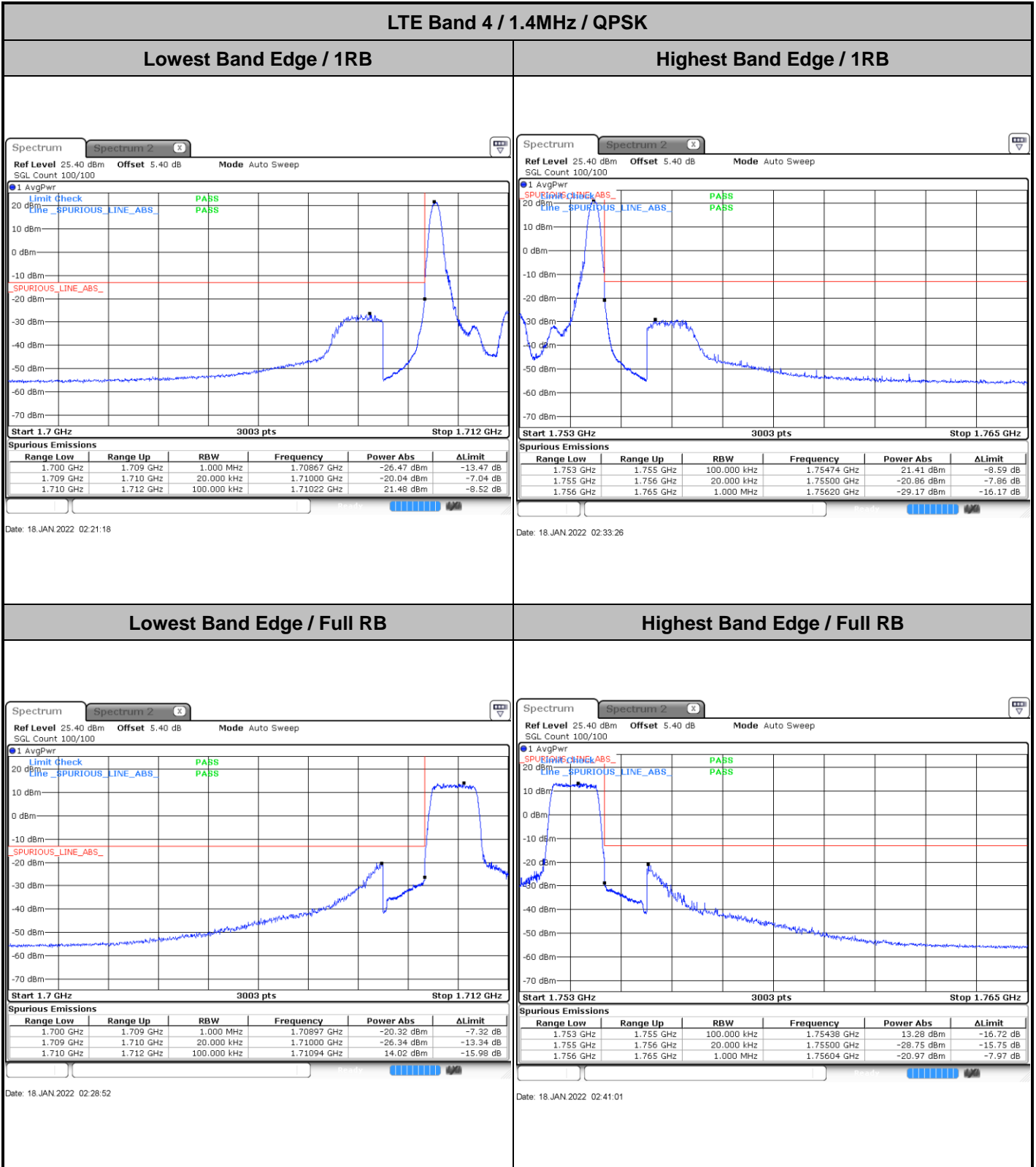
<b>Mode</b>	<b>LTE Band 4 : 99%OBW(MHz)</b>	
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	17.98	17.86







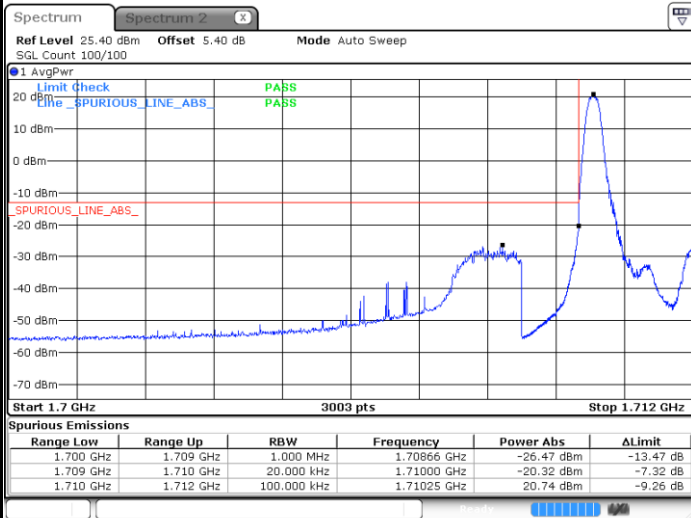
# Conducted Band Edge





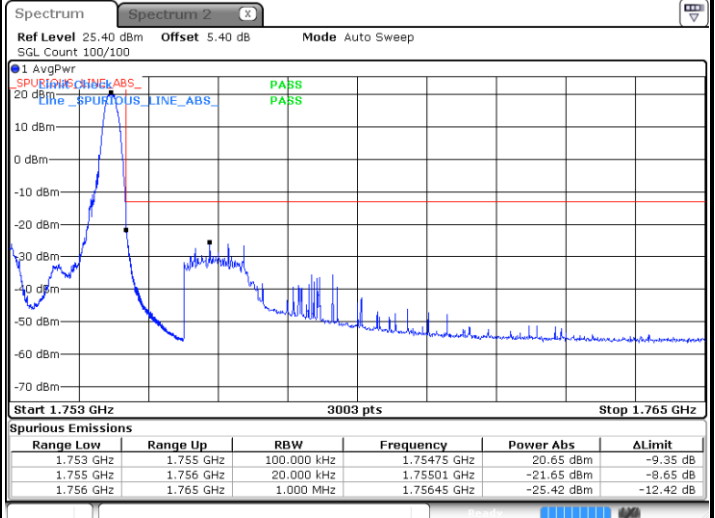
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



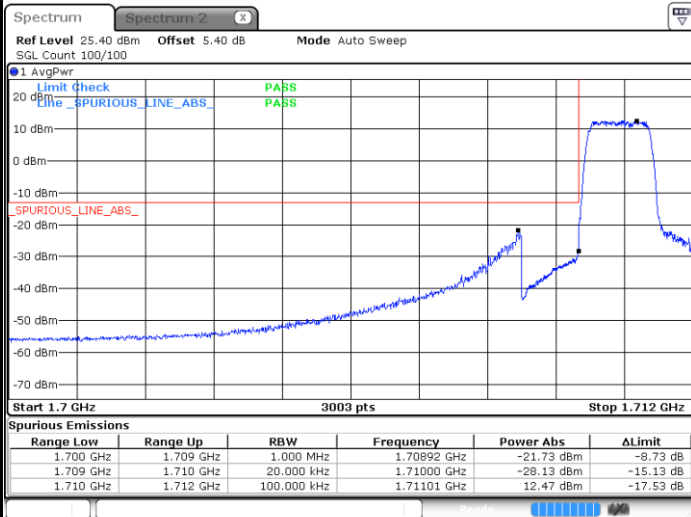
Date: 18 JAN 2022 02:22:49

Highest Band Edge / 1 RB



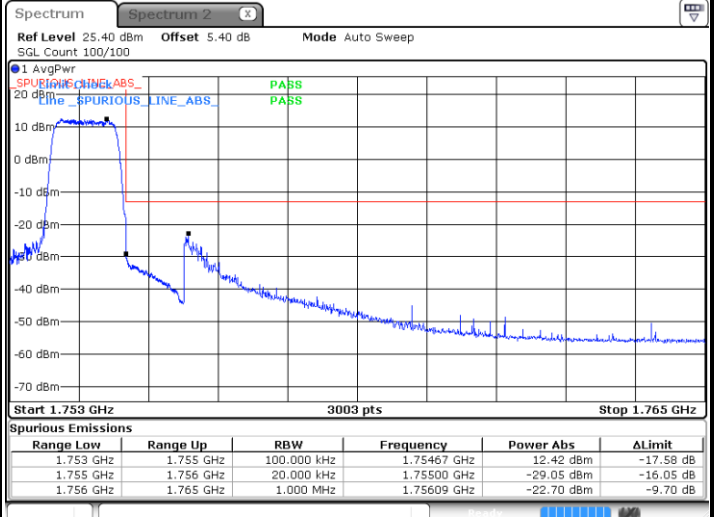
Date: 18 JAN 2022 02:34:57

Lowest Band Edge / Full RB



Date: 18 JAN 2022 02:27:21

Highest Band Edge / Full RB

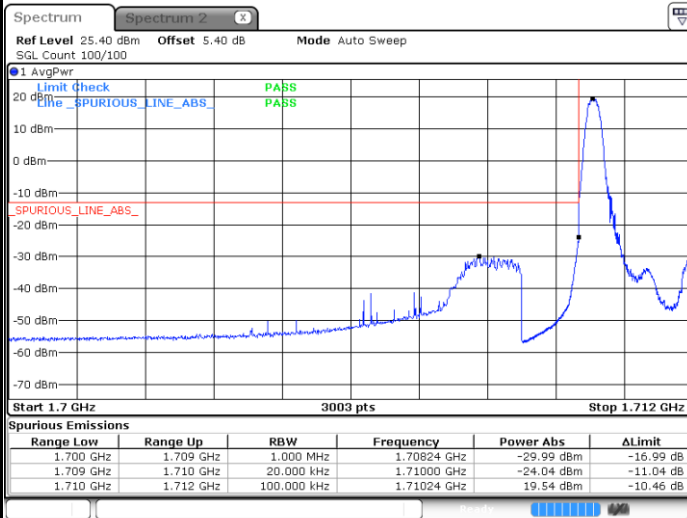


Date: 18 JAN 2022 02:39:30



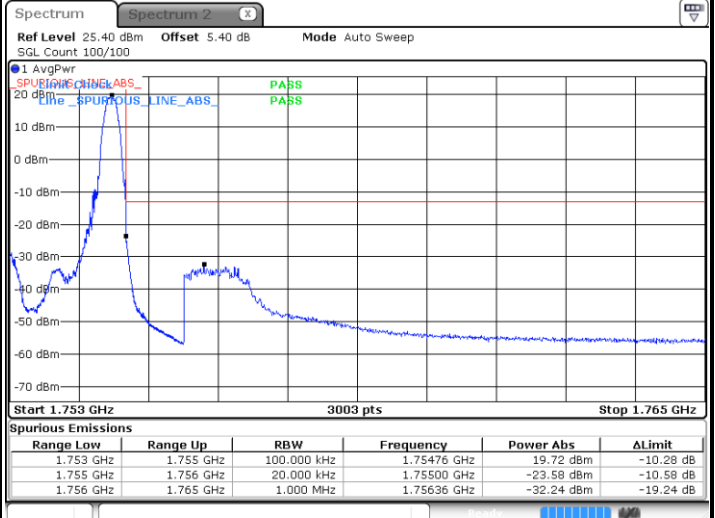
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



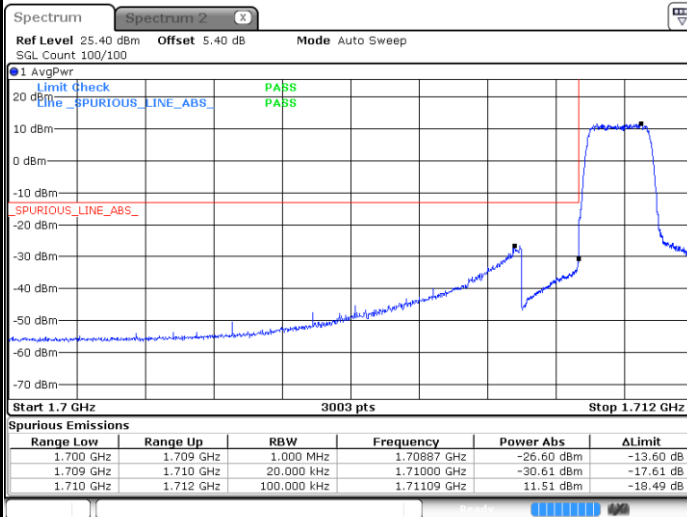
Date: 18 JAN 2022 02:24:20

Highest Band Edge / 1 RB



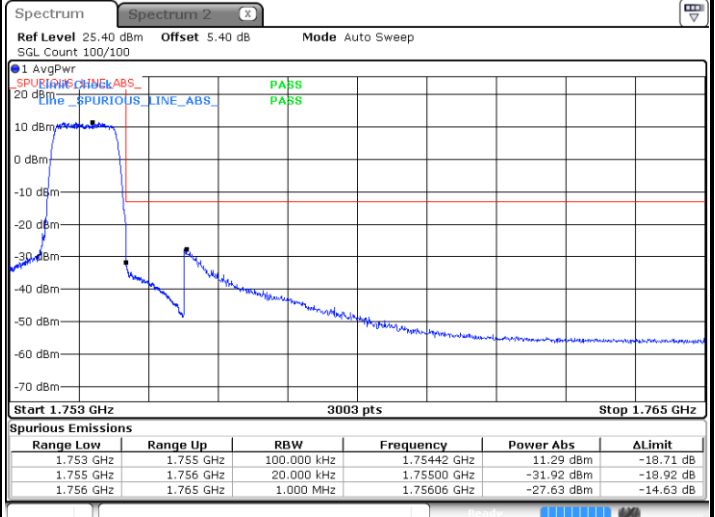
Date: 18 JAN 2022 02:36:28

Lowest Band Edge / Full RB



Date: 18 JAN 2022 02:25:50

Highest Band Edge / Full RB

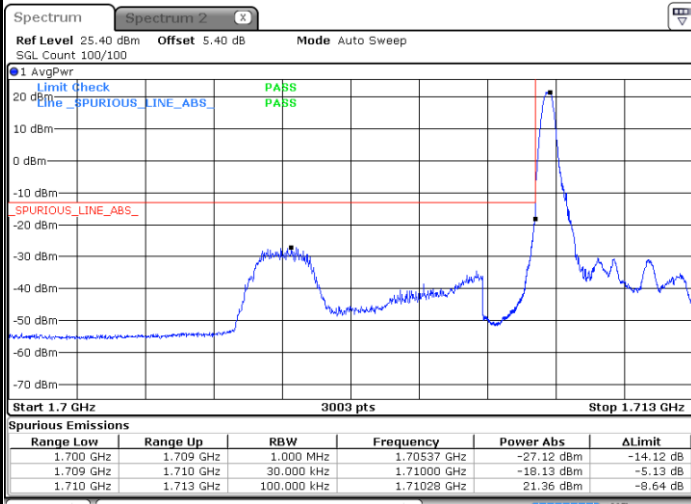


Date: 18 JAN 2022 02:38:00



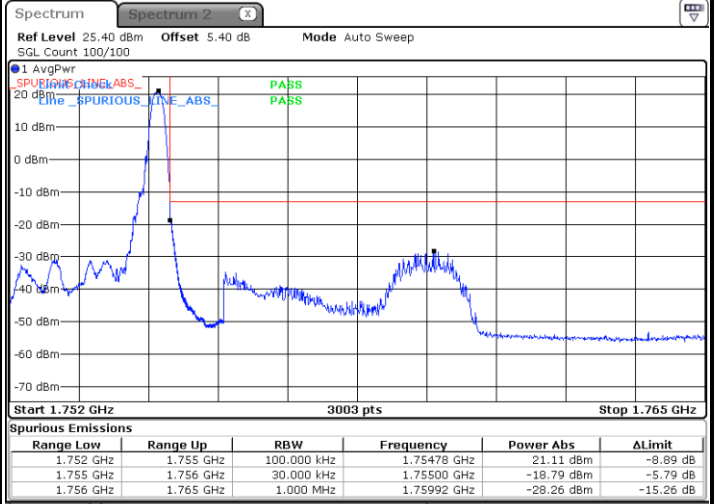
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



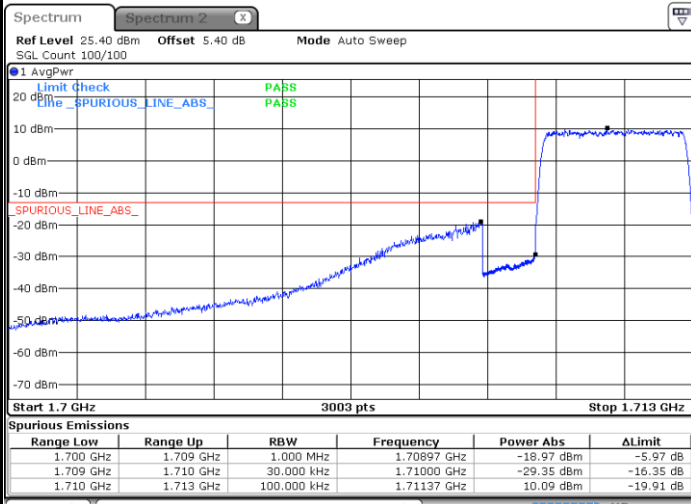
Date: 18 JAN 2022 02:44:05

Highest Band Edge / 1 RB



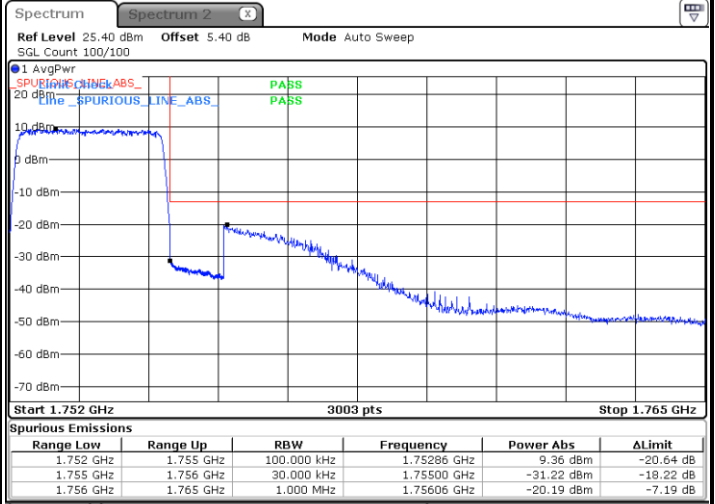
Date: 18 JAN 2022 02:56:15

Lowest Band Edge / Full RB



Date: 18 JAN 2022 02:51:39

Highest Band Edge / Full RB

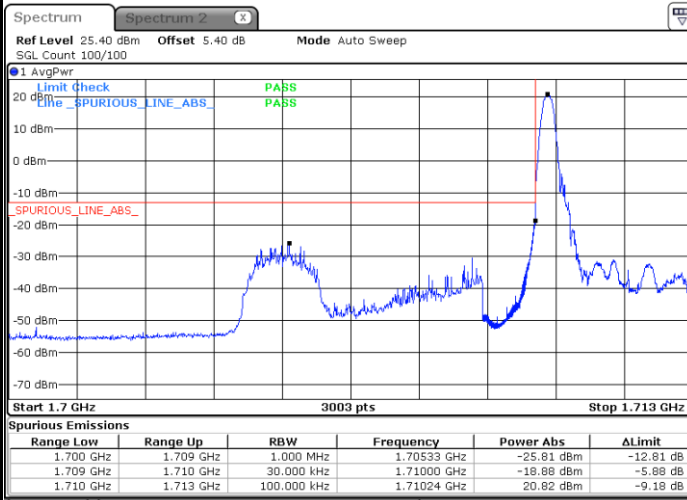


Date: 18 JAN 2022 03:03:50



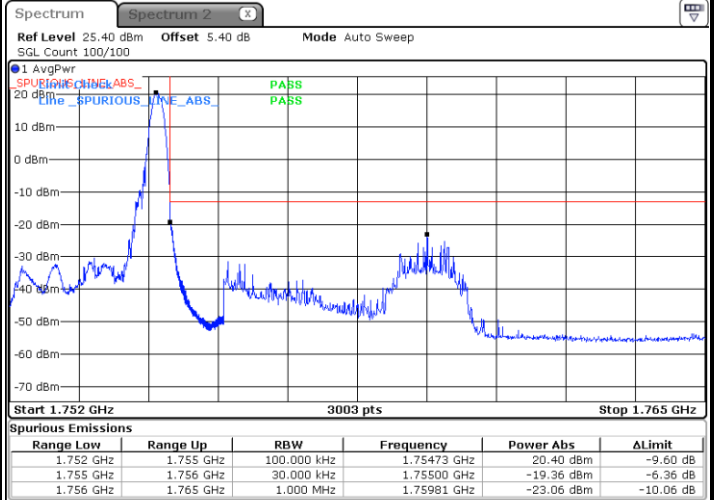
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



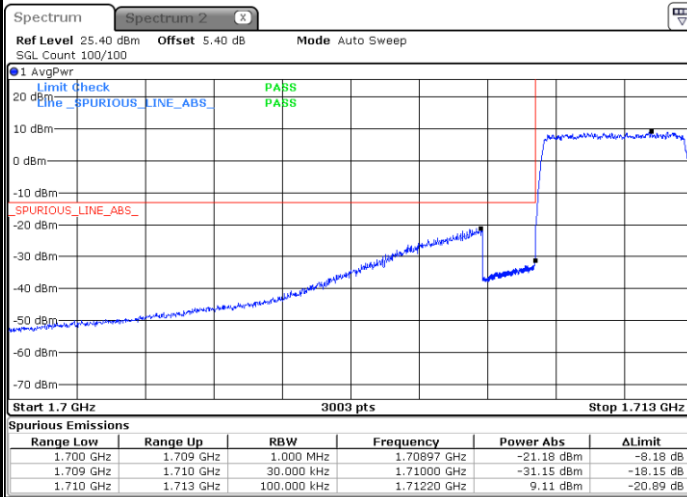
Date: 18 JAN 2022 02:45:35

Highest Band Edge / 1 RB



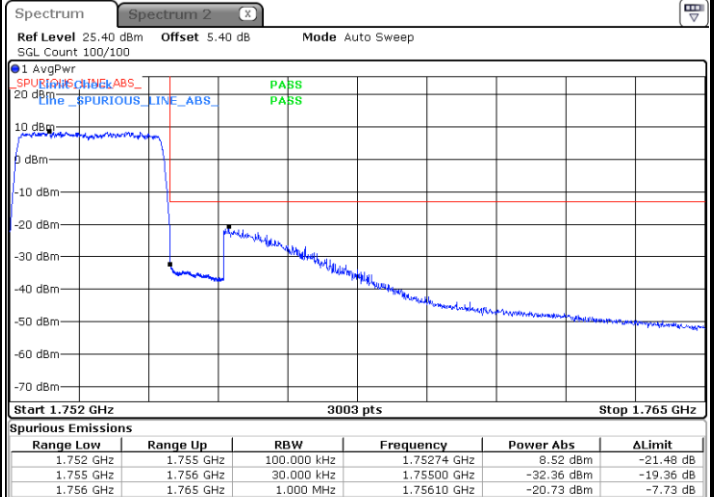
Date: 18 JAN 2022 02:57:46

Lowest Band Edge / Full RB



Date: 18 JAN 2022 02:50:08

Highest Band Edge / Full RB

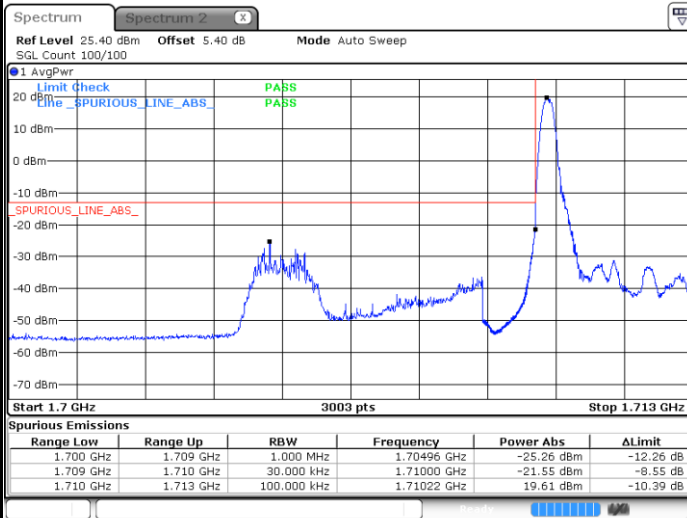


Date: 18 JAN 2022 03:02:19



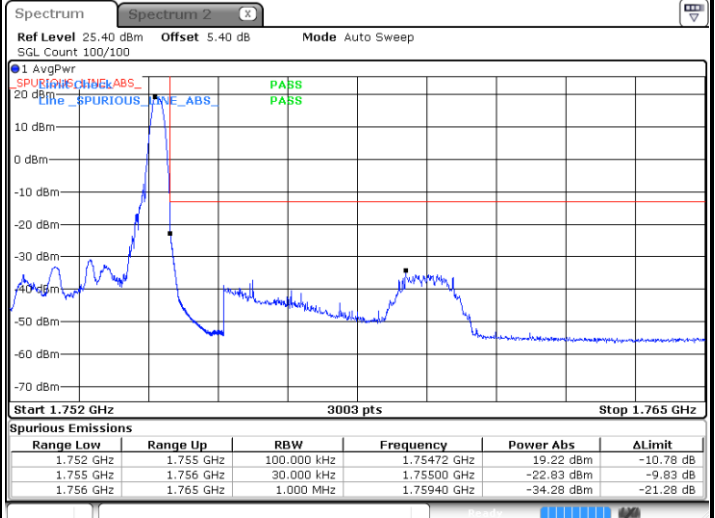
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



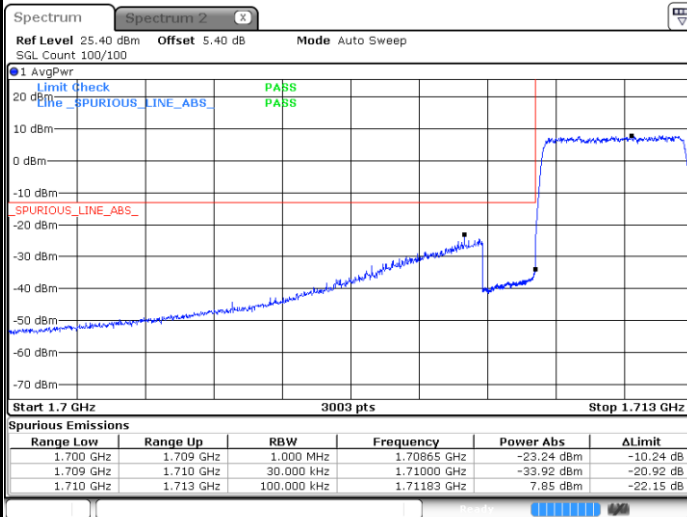
Date: 18 JAN 2022 02:47:06

Highest Band Edge / 1 RB



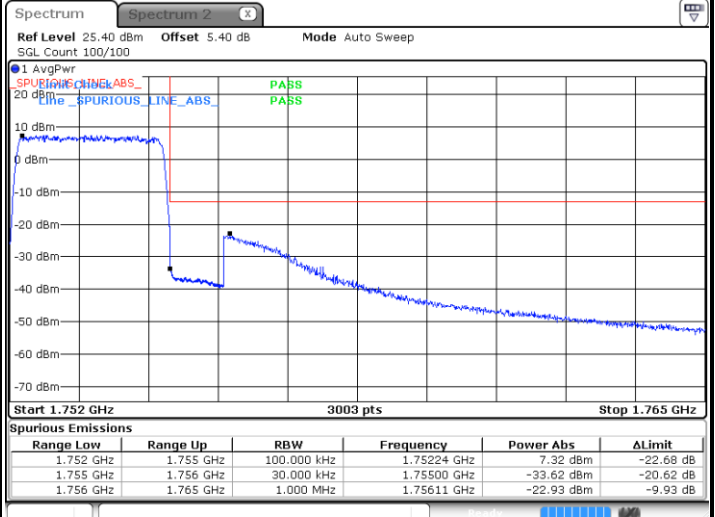
Date: 18 JAN 2022 02:59:17

Lowest Band Edge / Full RB



Date: 18 JAN 2022 02:48:37

Highest Band Edge / Full RB

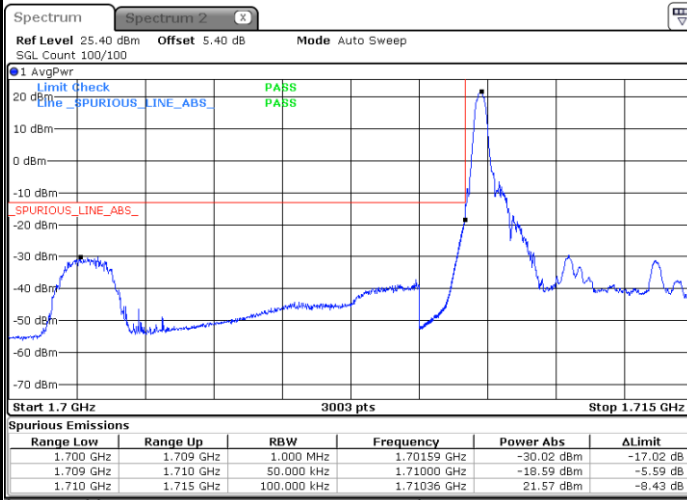


Date: 18 JAN 2022 03:00:48



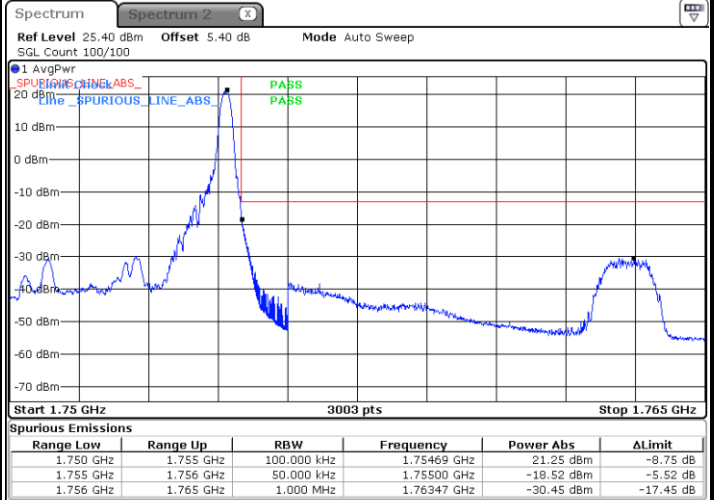
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



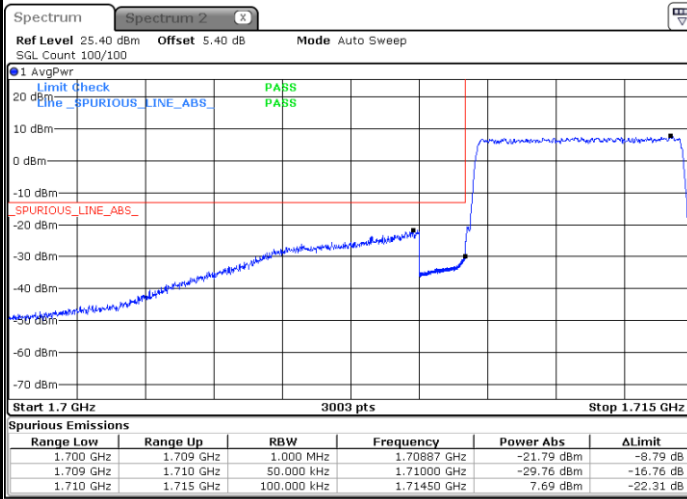
Date: 18 JAN 2022 03:06:53

Highest Band Edge / 1 RB



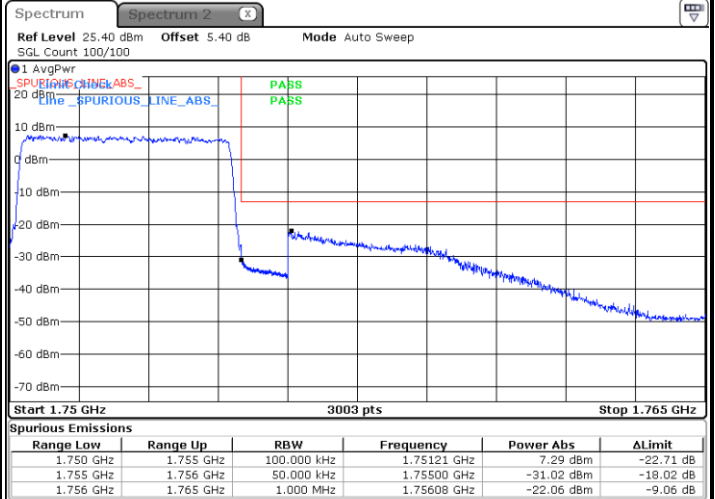
Date: 18 JAN 2022 03:19:02

Lowest Band Edge / Full RB



Date: 18 JAN 2022 03:14:28

Highest Band Edge / Full RB

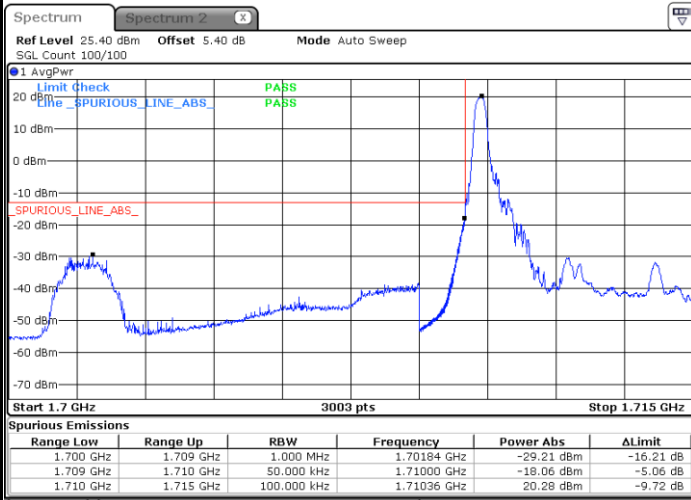


Date: 18 JAN 2022 03:26:39



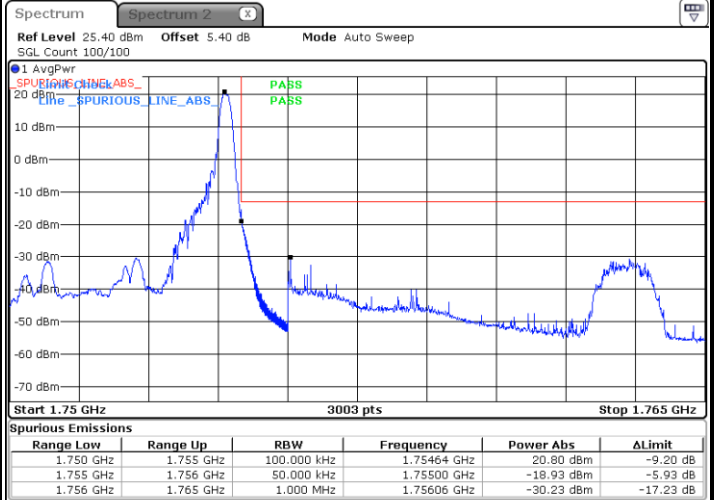
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



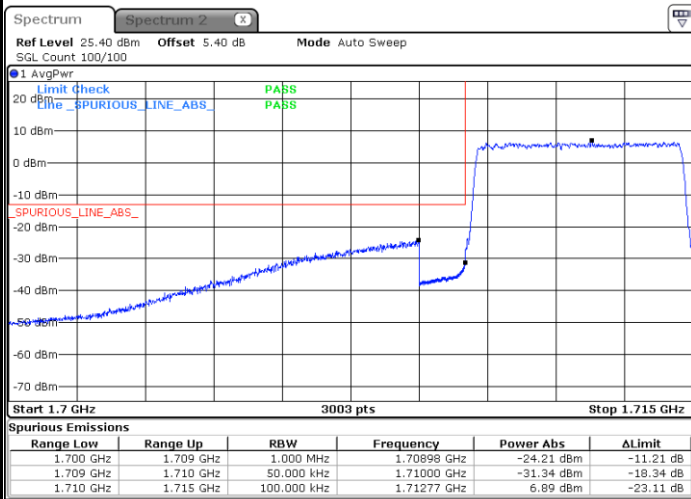
Date: 18 JAN 2022 03:08:24

Highest Band Edge / 1 RB



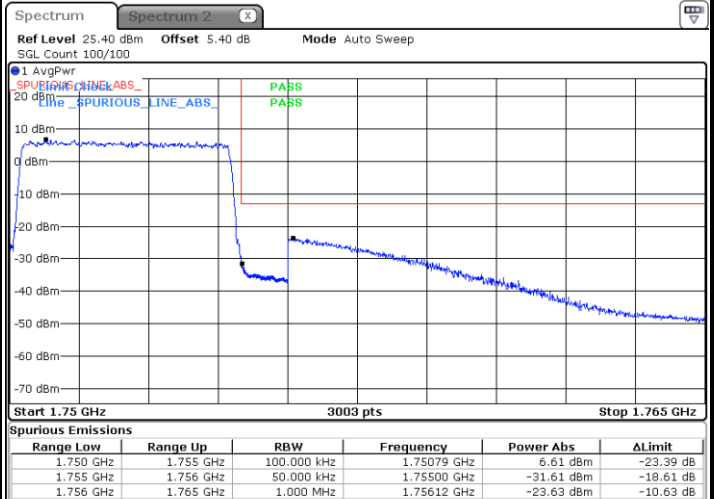
Date: 18 JAN 2022 03:20:33

Lowest Band Edge / Full RB



Date: 18 JAN 2022 03:12:57

Highest Band Edge / Full RB



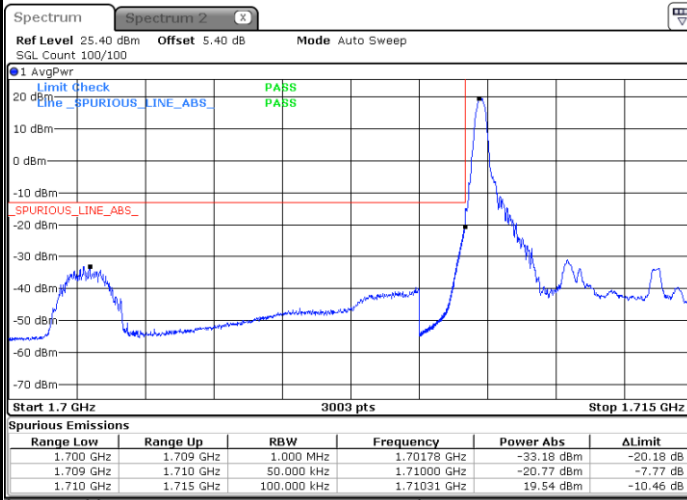
Date: 18 JAN 2022 03:25:07





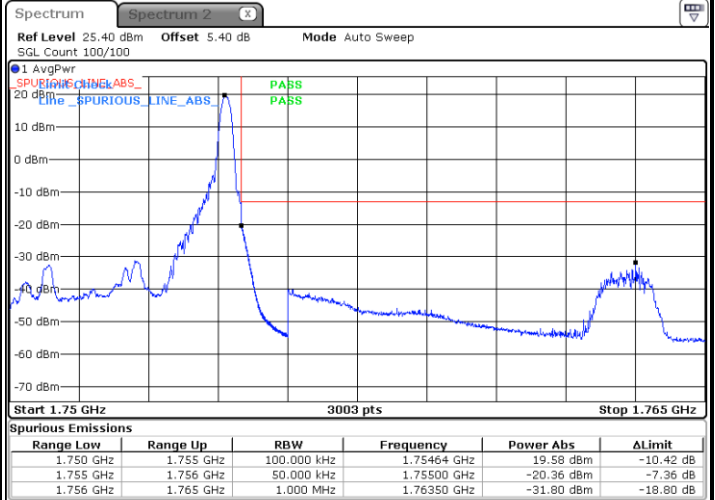
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



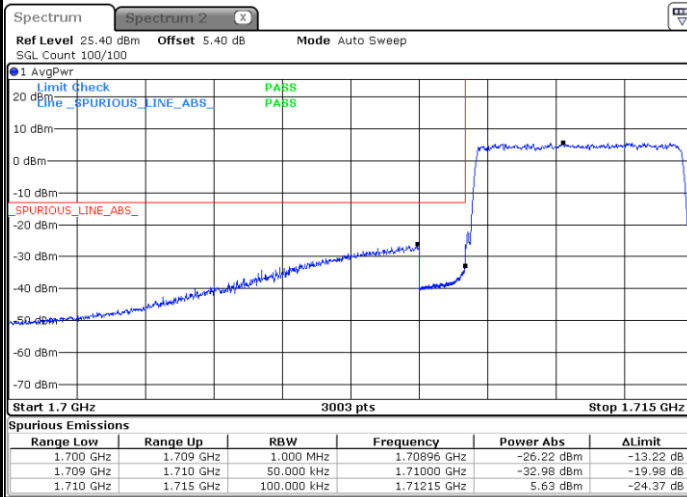
Date: 18 JAN 2022 03:09:55

Highest Band Edge / 1 RB



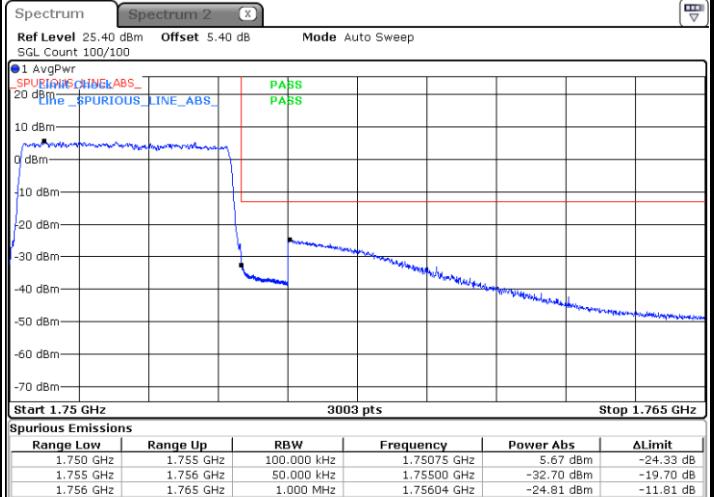
Date: 18 JAN 2022 03:22:04

Lowest Band Edge / Full RB



Date: 18 JAN 2022 03:11:26

Highest Band Edge / Full RB

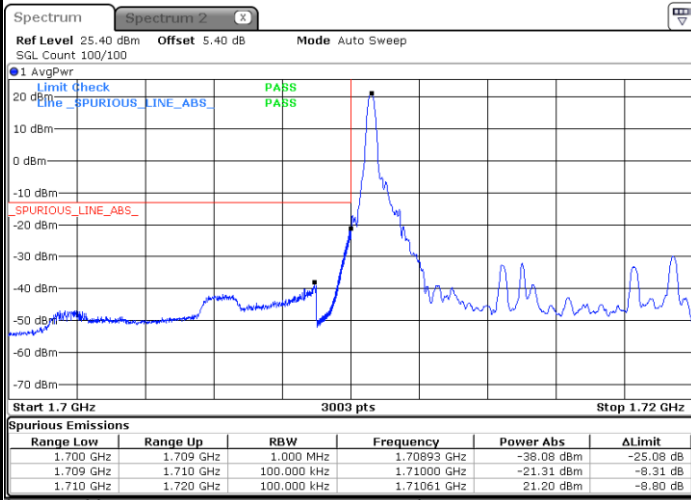


Date: 18 JAN 2022 03:23:35



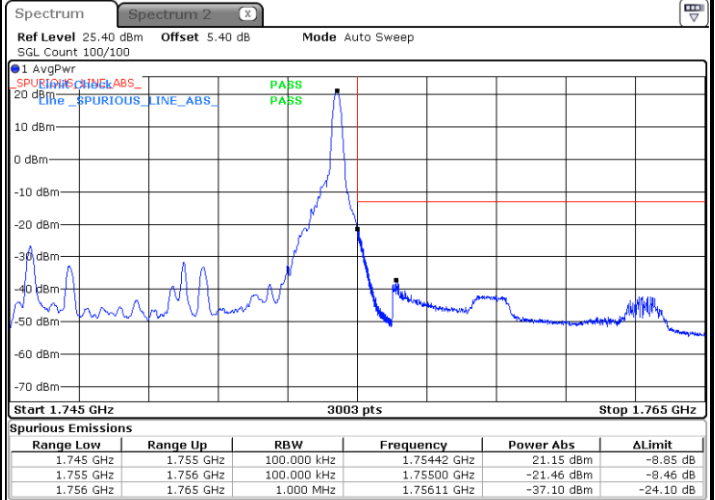
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



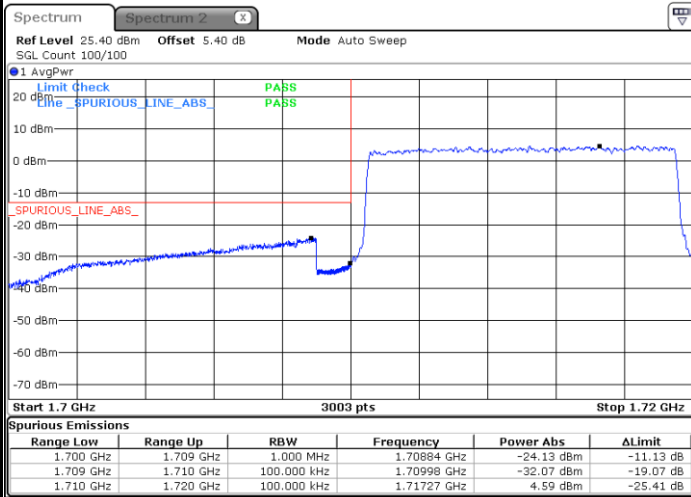
Date: 18.JAN.2022 03:29:45

Highest Band Edge / 1 RB



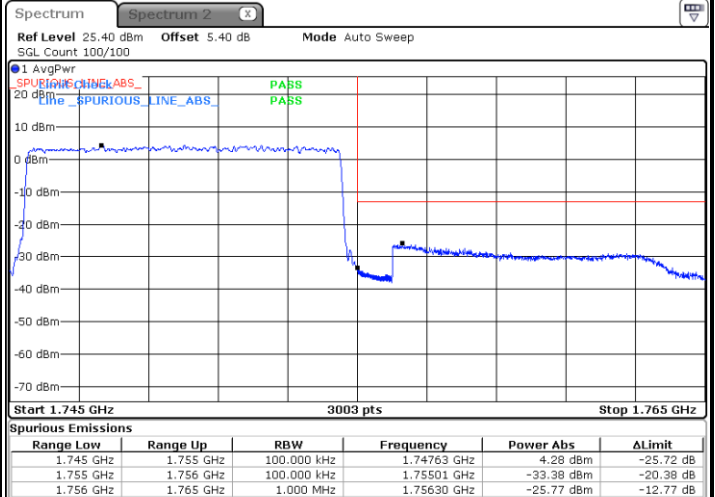
Date: 18.JAN.2022 03:41:55

Lowest Band Edge / Full RB



Date: 18.JAN.2022 03:37:21

Highest Band Edge / Full RB

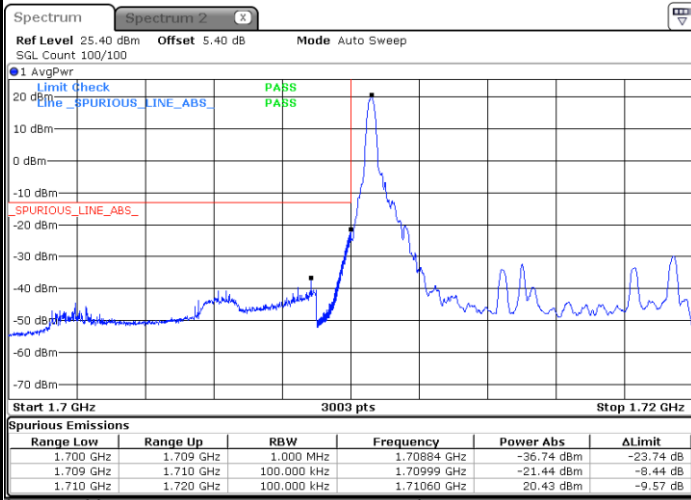


Date: 18.JAN.2022 03:49:32



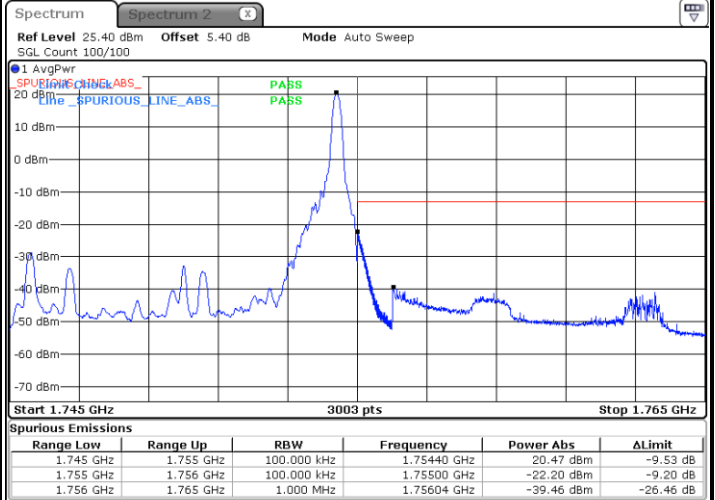
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



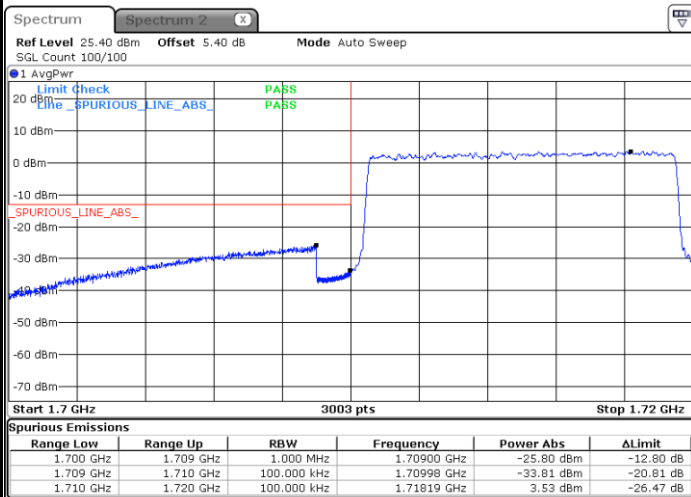
Date: 18 JAN 2022 03:31:16

Highest Band Edge / 1 RB



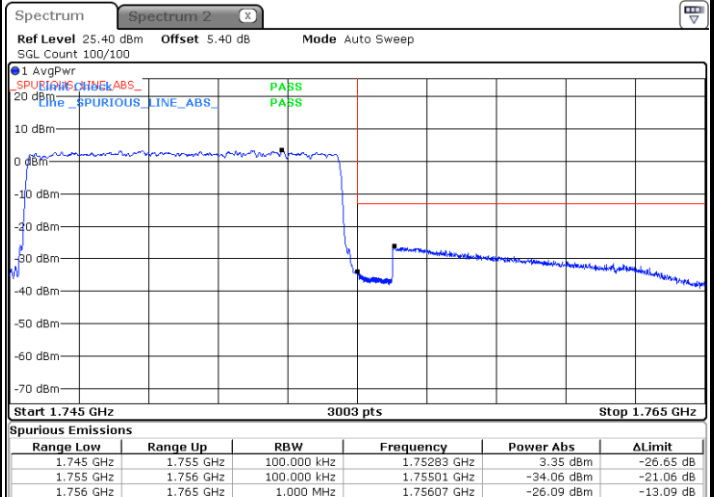
Date: 18 JAN 2022 03:43:26

Lowest Band Edge / Full RB



Date: 18 JAN 2022 03:35:50

Highest Band Edge / Full RB

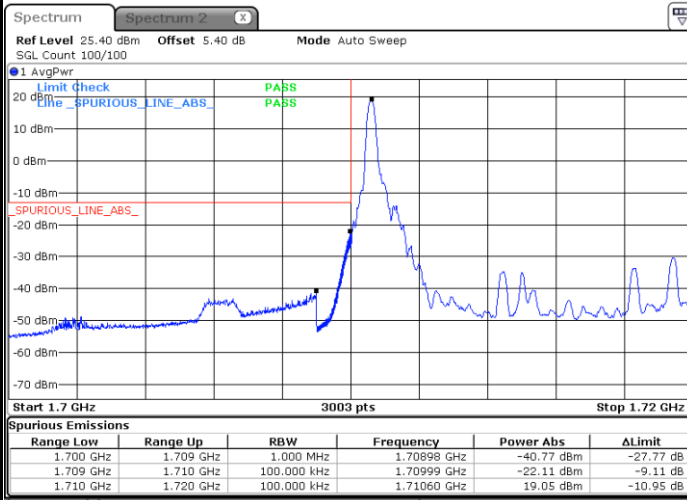


Date: 18 JAN 2022 03:48:00



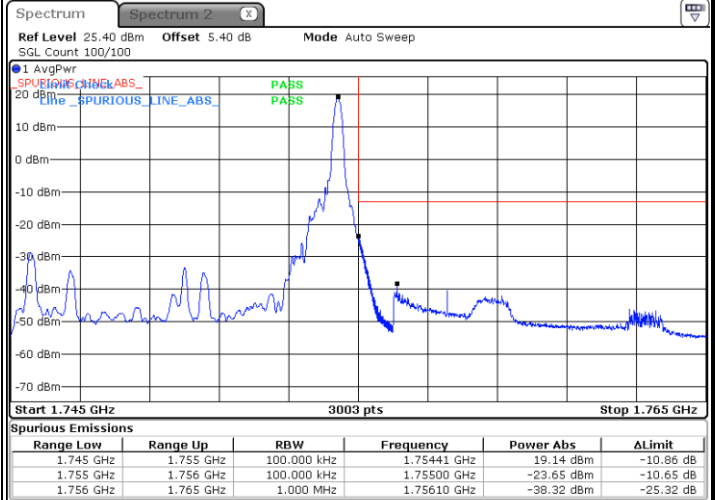
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



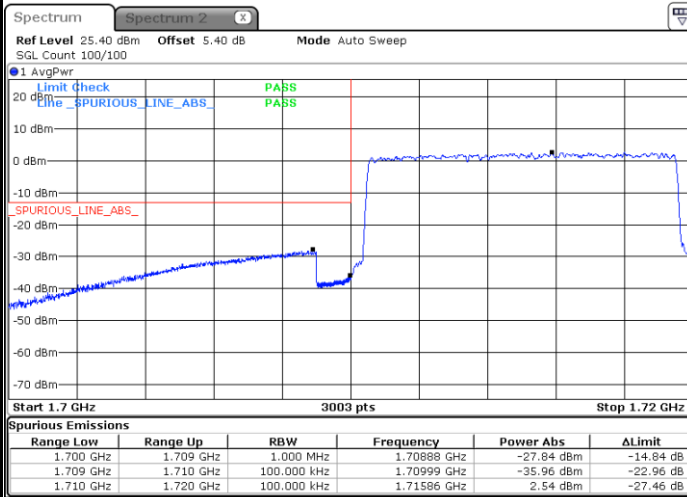
Date: 18 JAN 2022 03:32:47

Highest Band Edge / 1 RB



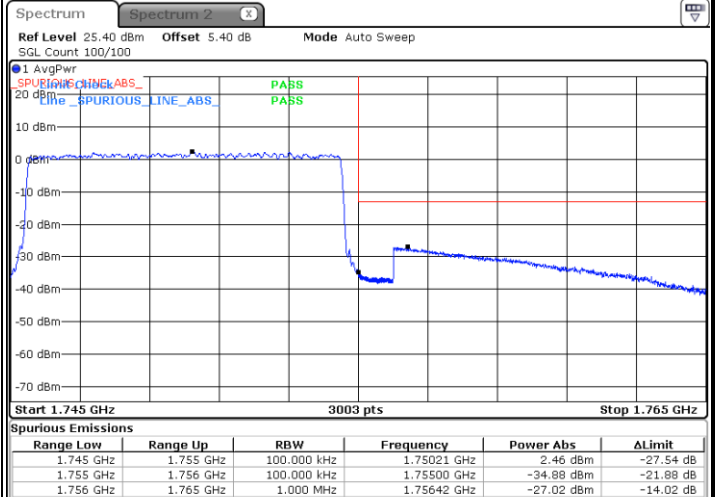
Date: 18 JAN 2022 03:44:57

Lowest Band Edge / Full RB



Date: 18 JAN 2022 03:34:19

Highest Band Edge / Full RB

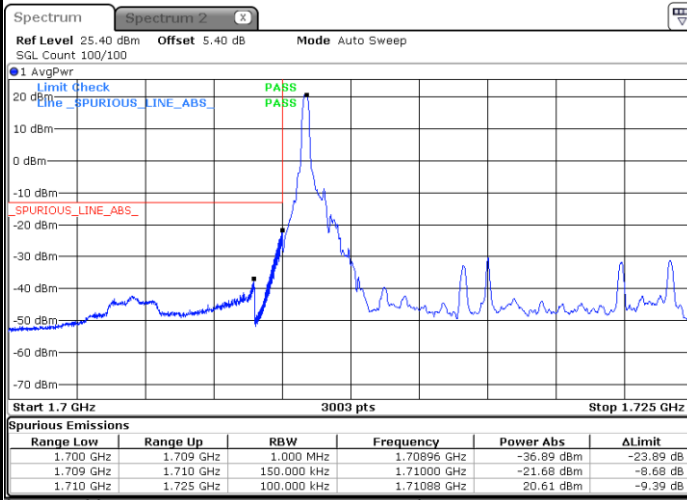


Date: 18 JAN 2022 03:46:28



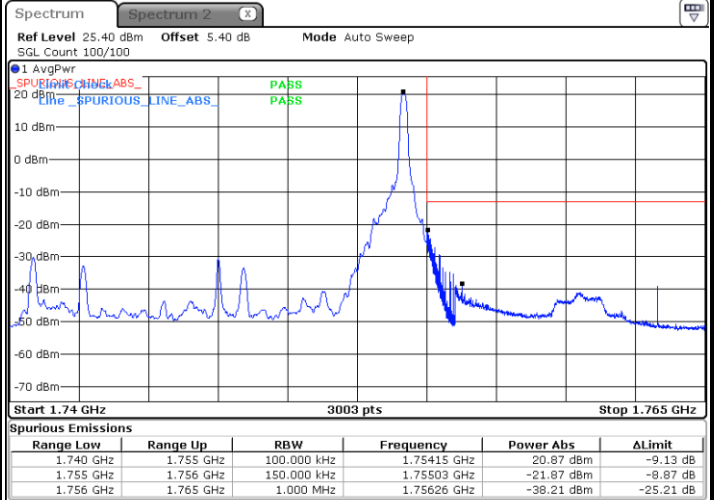
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



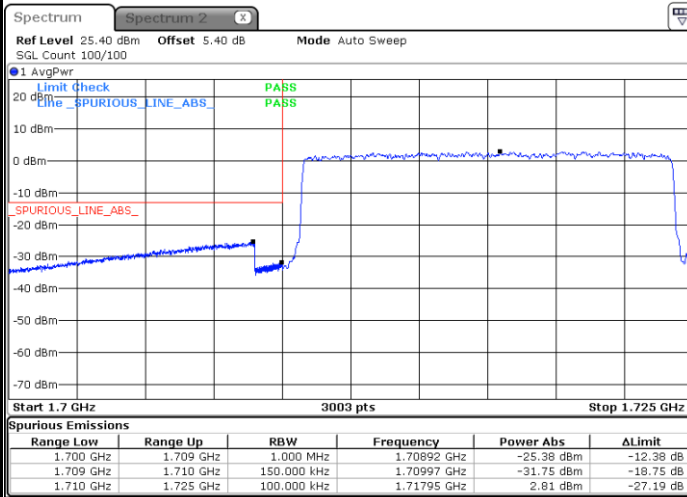
Date: 18 JAN 2022 03:52:36

Highest Band Edge / 1 RB



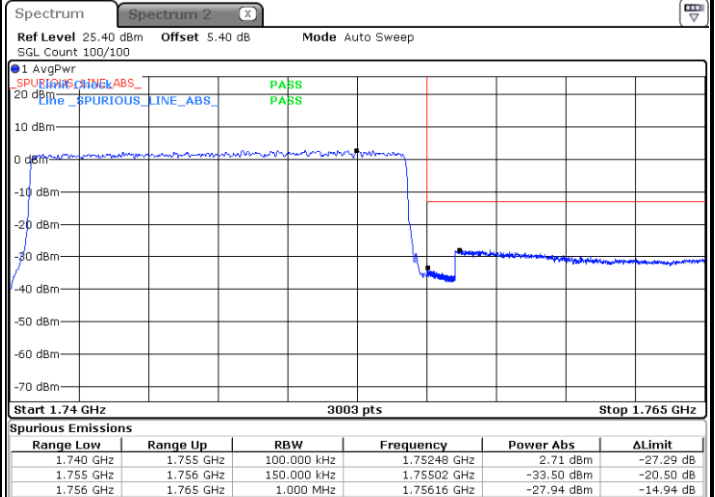
Date: 18 JAN 2022 04:04:46

Lowest Band Edge / Full RB



Date: 18 JAN 2022 04:00:12

Highest Band Edge / Full RB

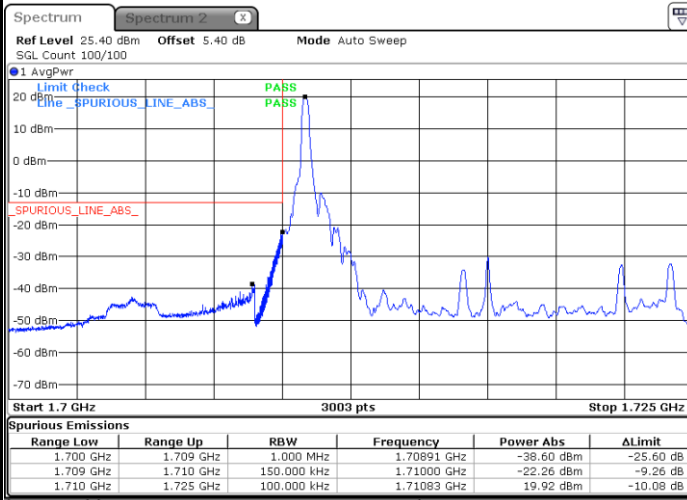


Date: 18 JAN 2022 04:12:22



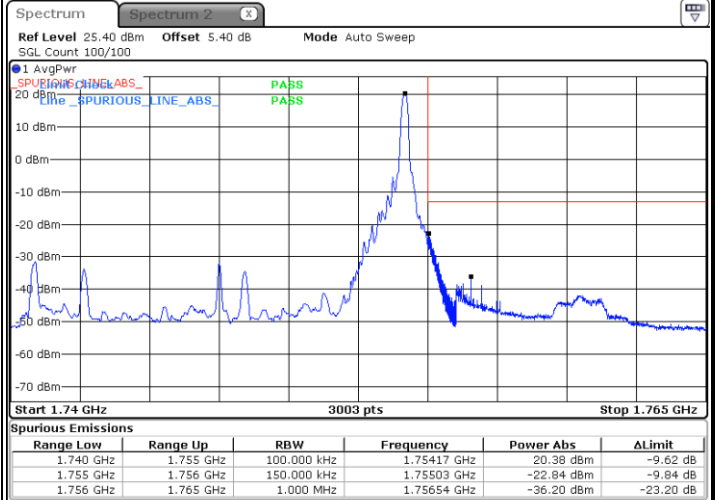
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



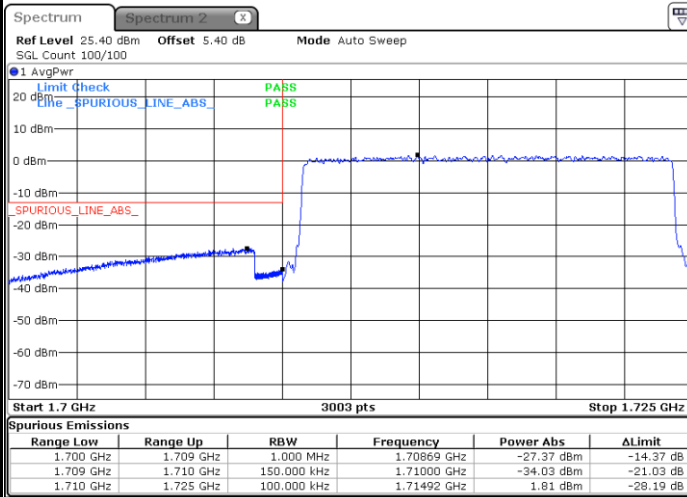
Date: 18 JAN 2022 03:54:07

Highest Band Edge / 1 RB



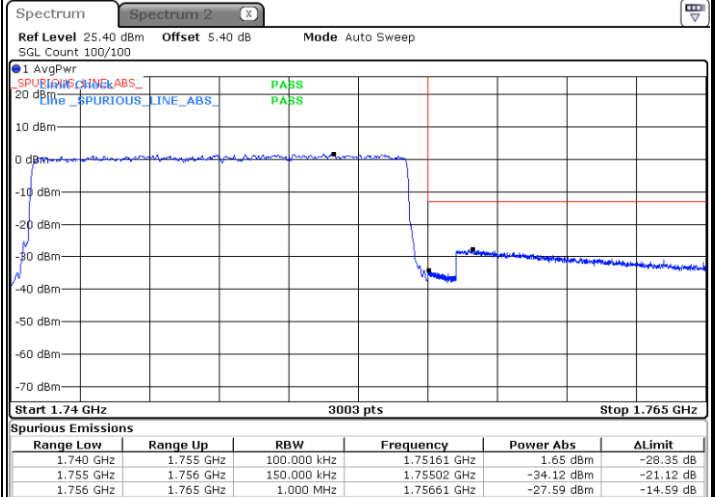
Date: 18 JAN 2022 04:06:17

Lowest Band Edge / Full RB



Date: 18 JAN 2022 03:58:41

Highest Band Edge / Full RB

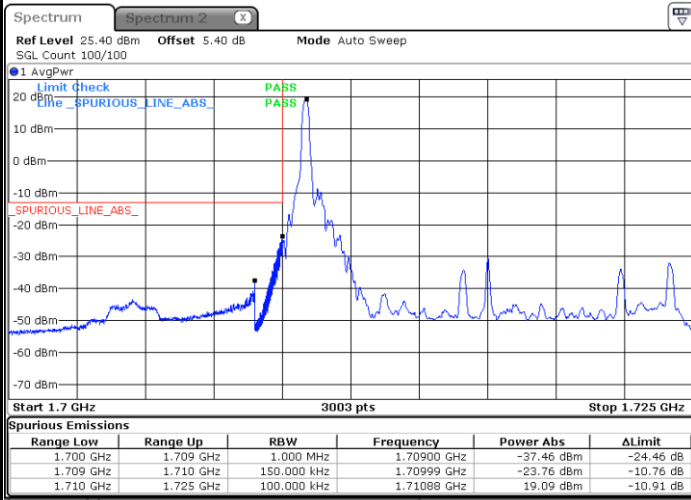


Date: 18 JAN 2022 04:10:51



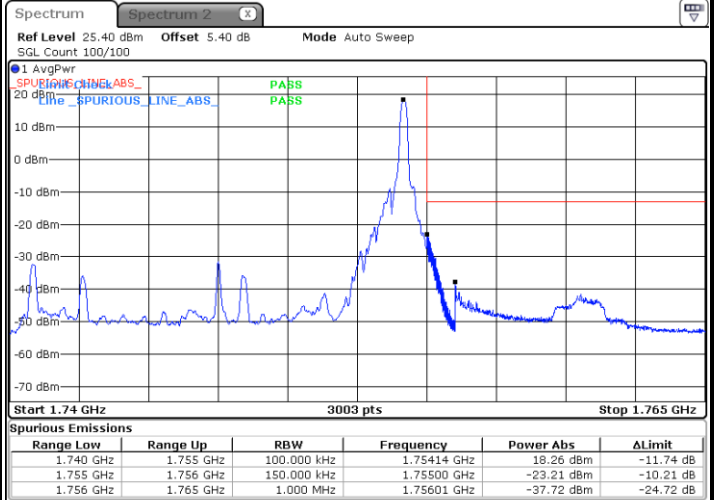
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



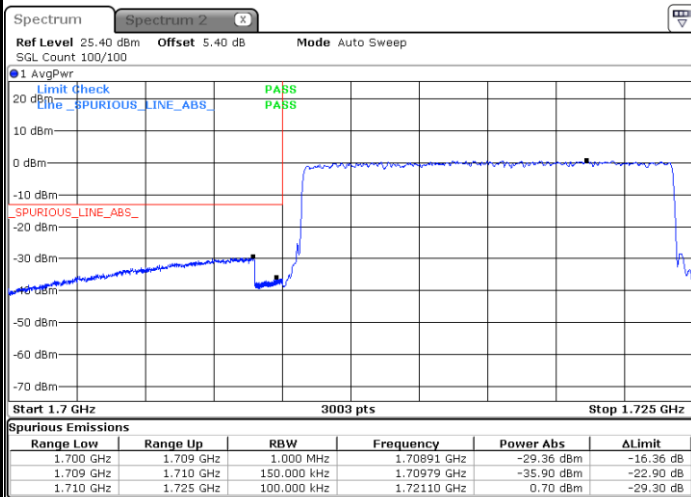
Date: 18 JAN 2022 03:55:38

Highest Band Edge / 1 RB



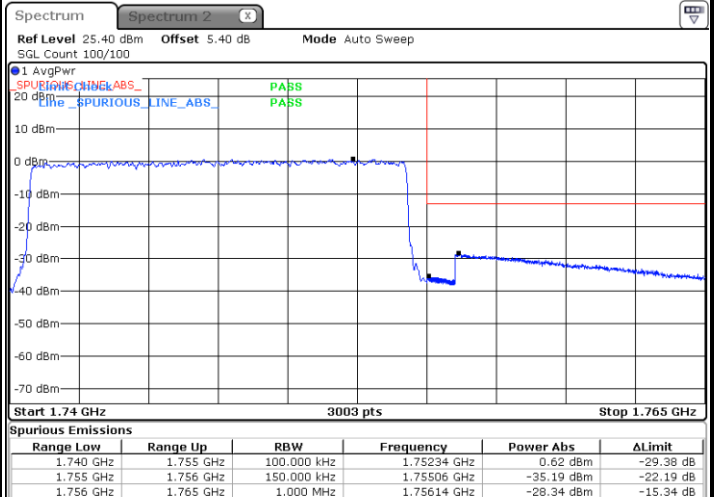
Date: 18 JAN 2022 04:07:48

Lowest Band Edge / Full RB



Date: 18 JAN 2022 03:57:10

Highest Band Edge / Full RB

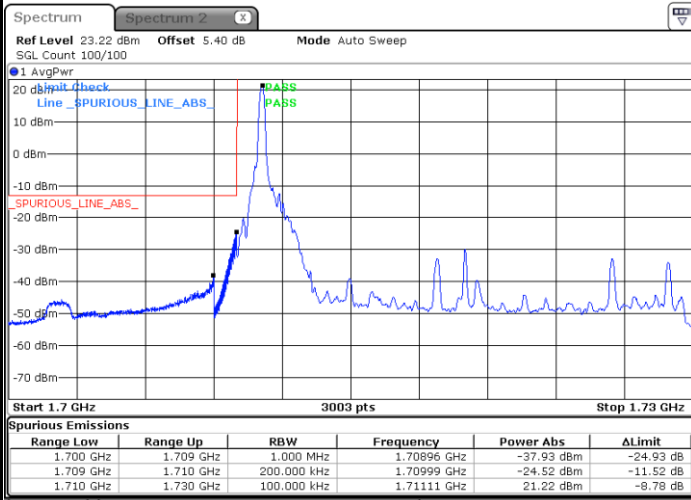


Date: 18 JAN 2022 04:09:20



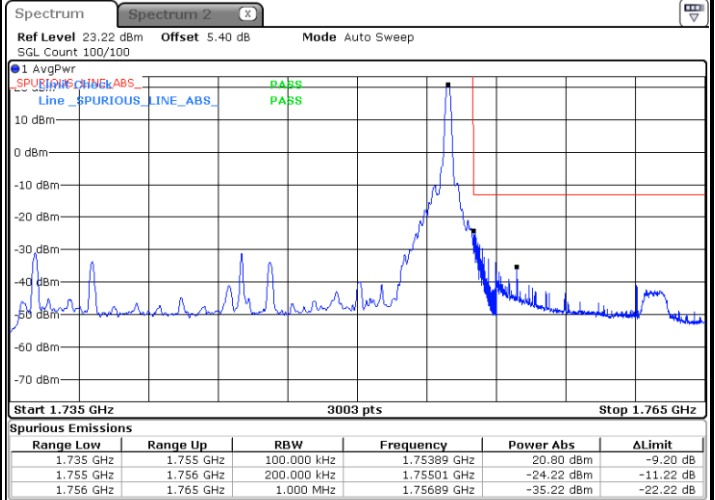
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



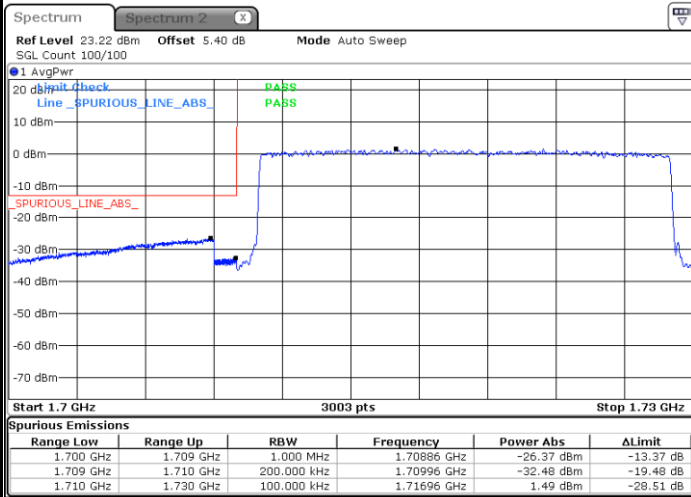
Date: 18 JAN 2022 04:15:28

Highest Band Edge / 1 RB



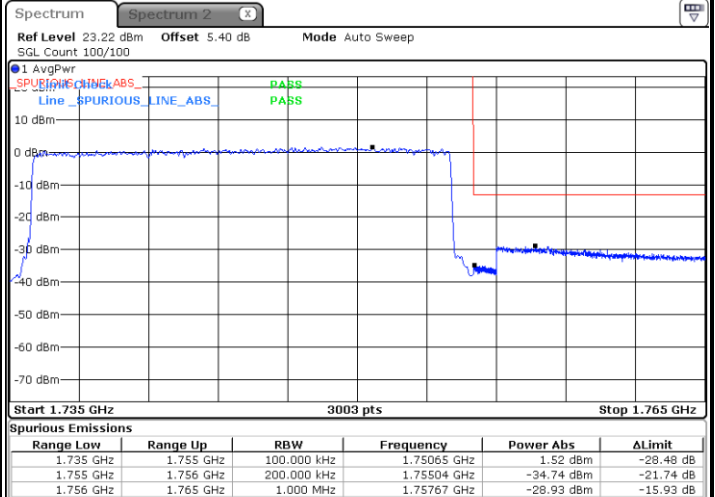
Date: 18 JAN 2022 04:27:37

Lowest Band Edge / Full RB



Date: 18 JAN 2022 04:23:04

Highest Band Edge / Full RB



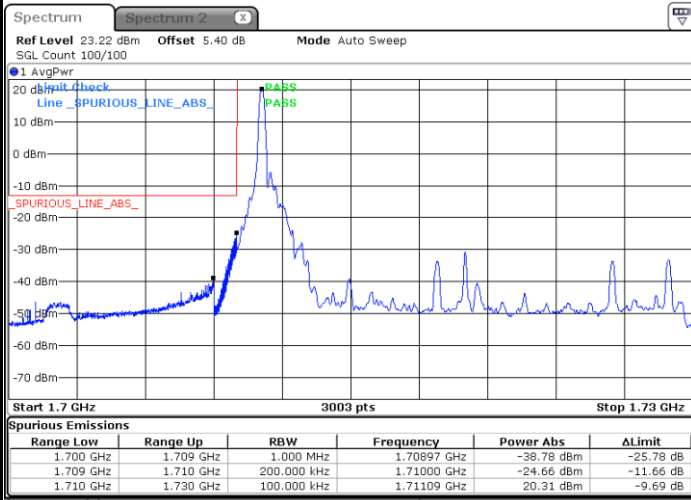
Date: 18 JAN 2022 04:35:14





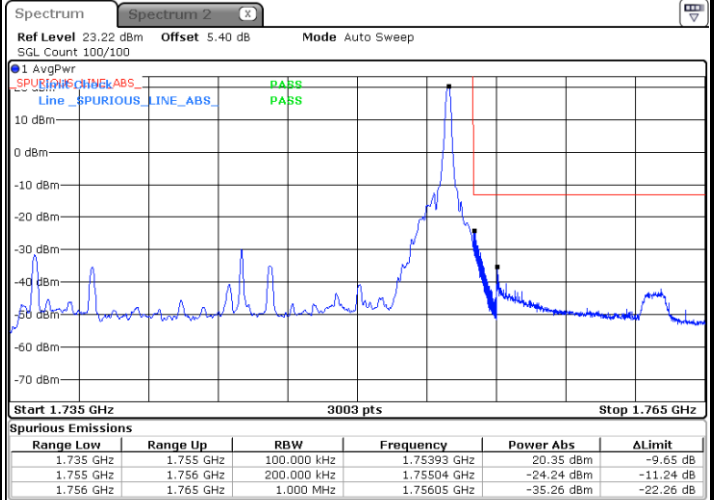
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



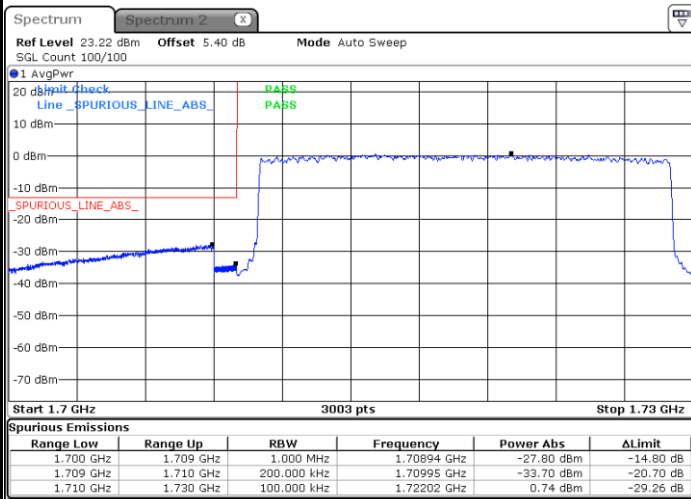
Date: 18 JAN 2022 04:16:59

Highest Band Edge / 1 RB



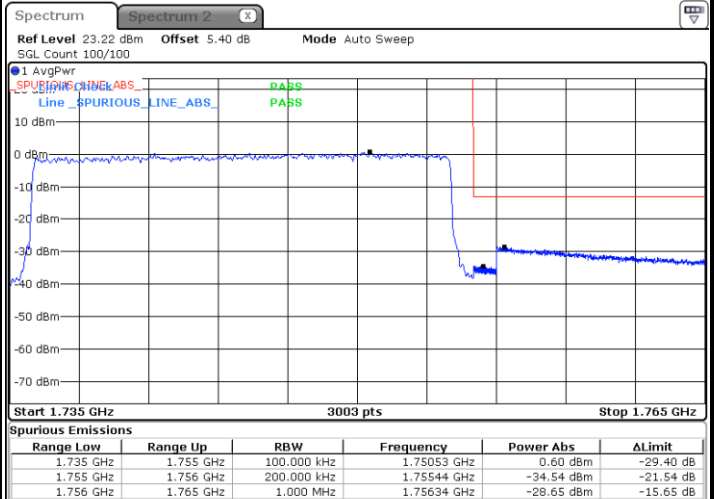
Date: 18 JAN 2022 04:29:09

Lowest Band Edge / Full RB



Date: 18 JAN 2022 04:21:32

Highest Band Edge / Full RB

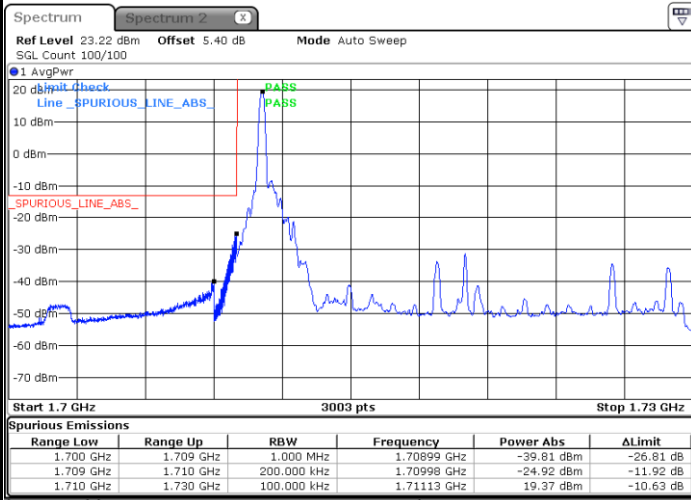


Date: 18 JAN 2022 04:33:43



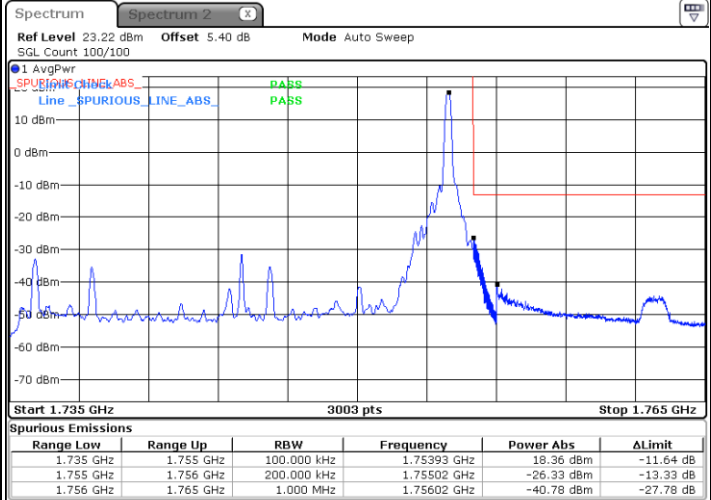
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



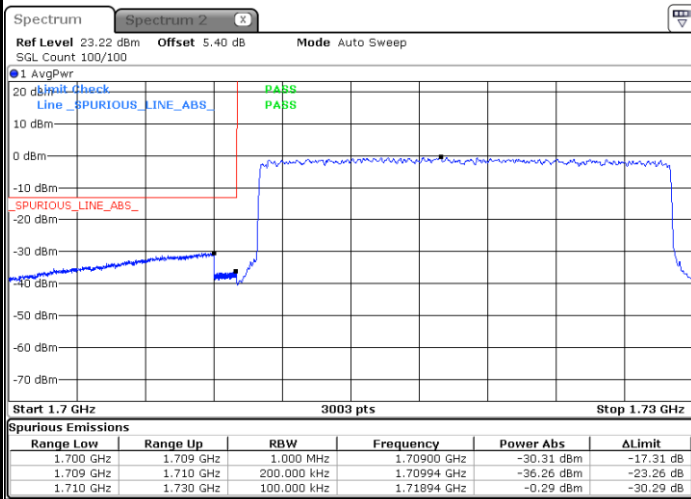
Date: 18 JAN 2022 04:18:30

Highest Band Edge / 1 RB



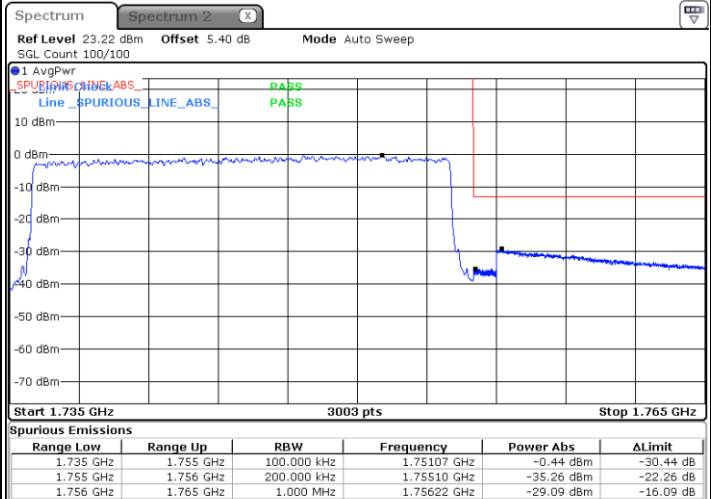
Date: 18 JAN 2022 04:30:40

Lowest Band Edge / Full RB



Date: 18 JAN 2022 04:20:01

Highest Band Edge / Full RB



Date: 18 JAN 2022 04:32:11



# Conducted Spurious Emission

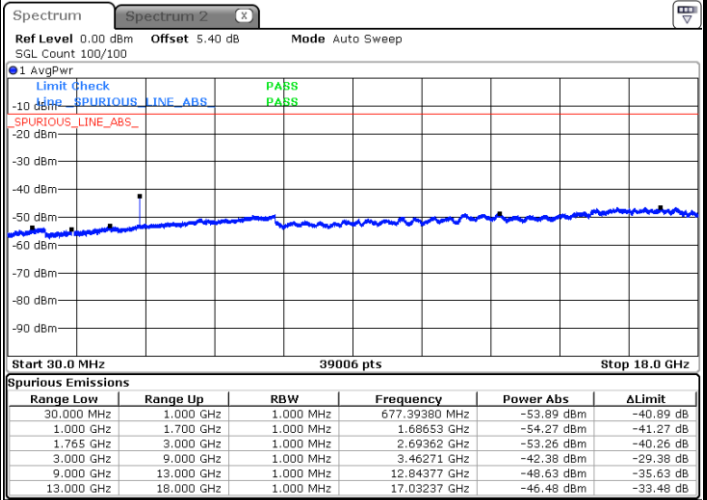
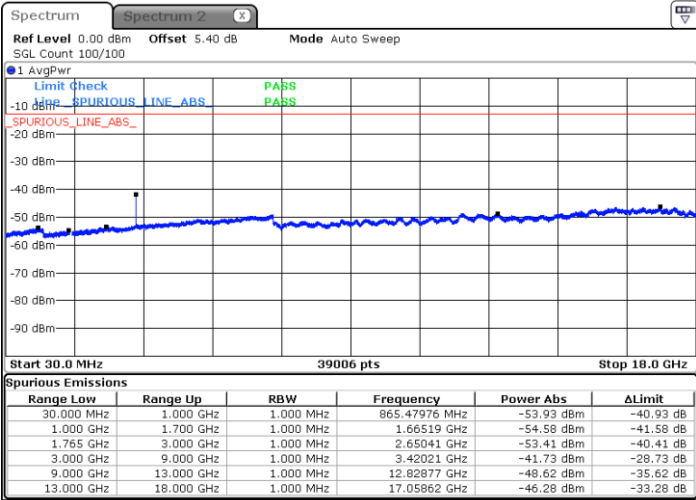




LTE Band 4 / 3MHz

Lowest Channel / QPSK

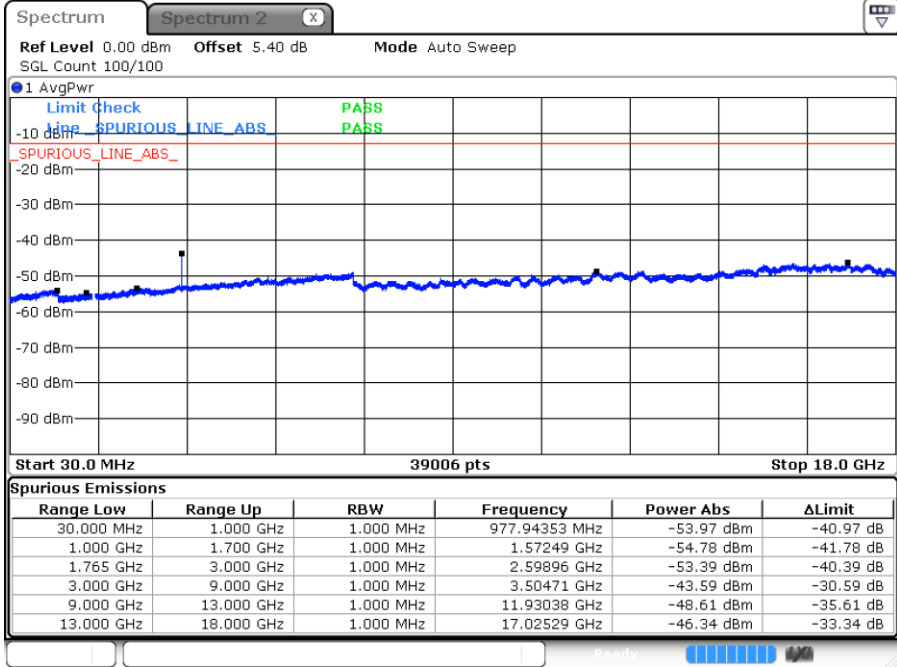
Middle Channel / QPSK



Date: 18 JAN 2022 02:42:33

Date: 18 JAN 2022 02:53:10

Highest Channel / QPSK



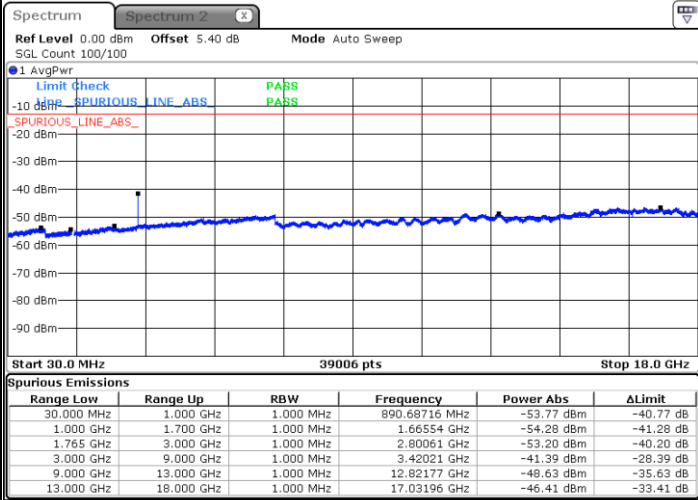
Date: 18 JAN 2022 02:54:42



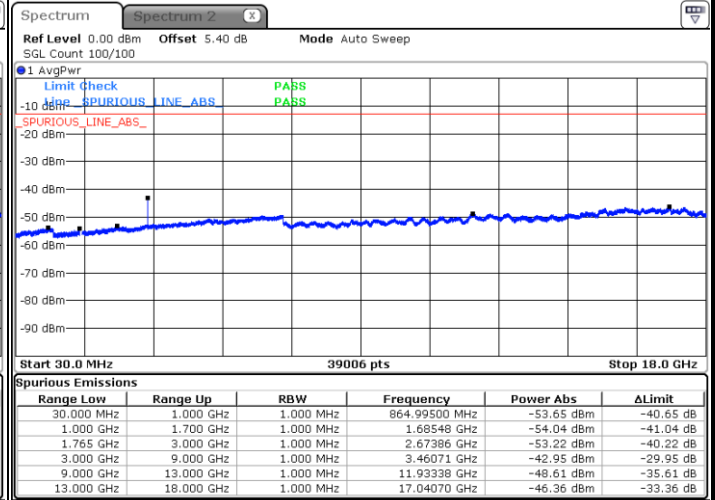
LTE Band 4 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

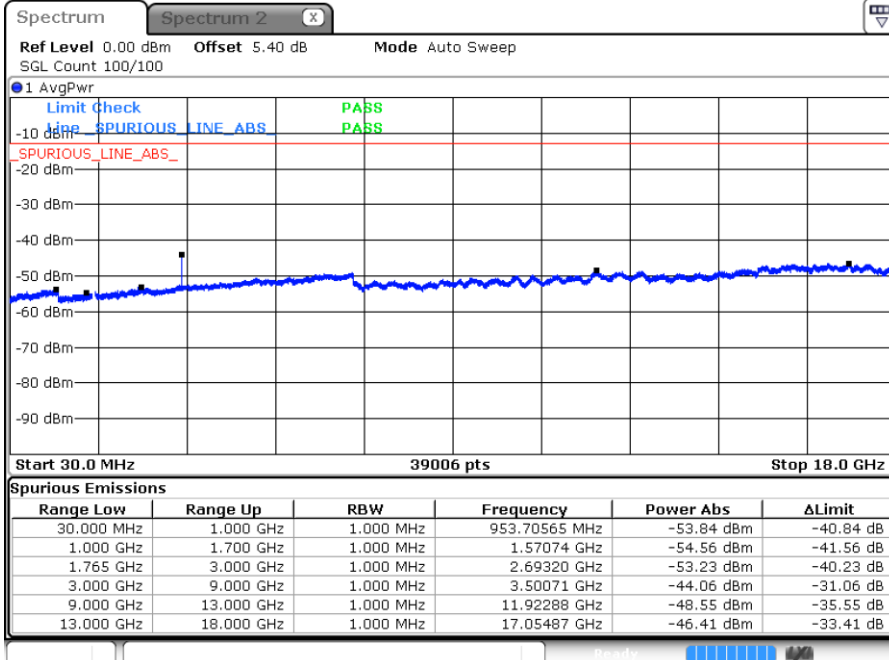


Date: 18 JAN 2022 03:05:22



Date: 18 JAN 2022 03:15:59

Highest Channel / QPSK

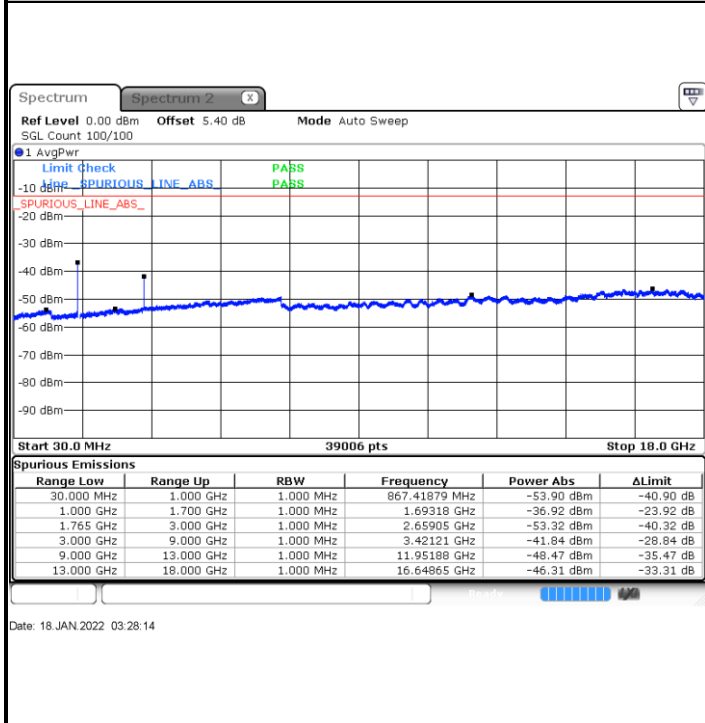


Date: 18 JAN 2022 03:17:30

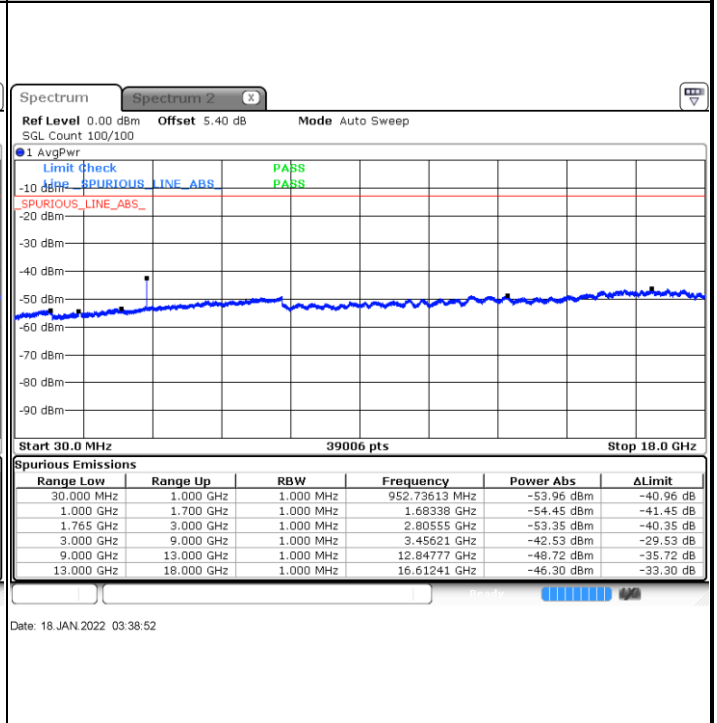


**LTE Band 4 / 10MHz**

**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

