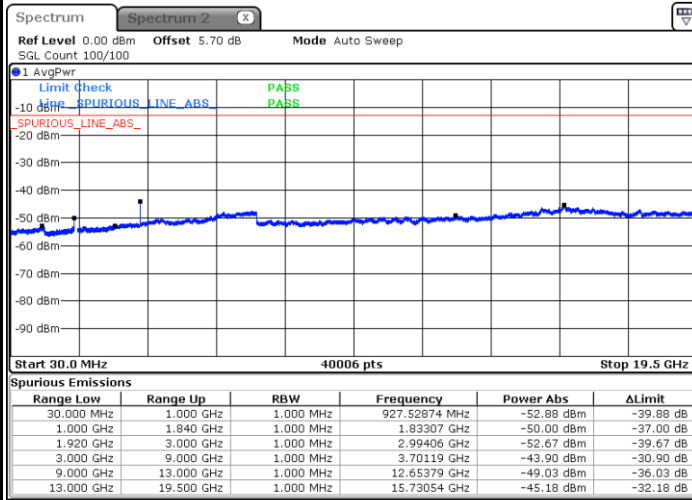




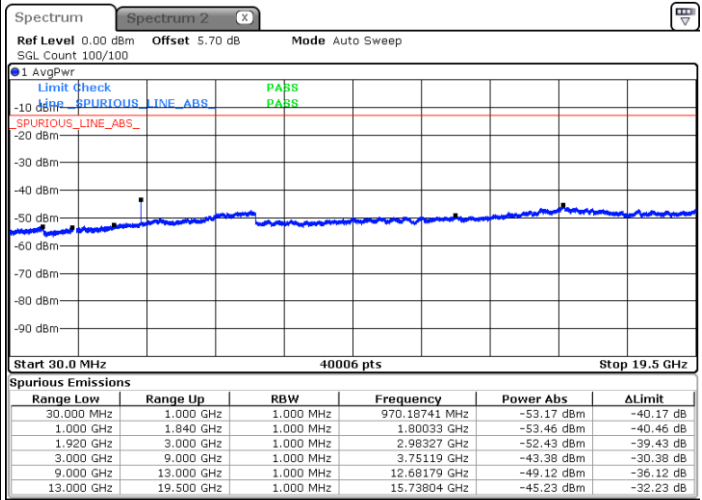
LTE Band 2 / 10MHz

Lowest Channel / QPSK



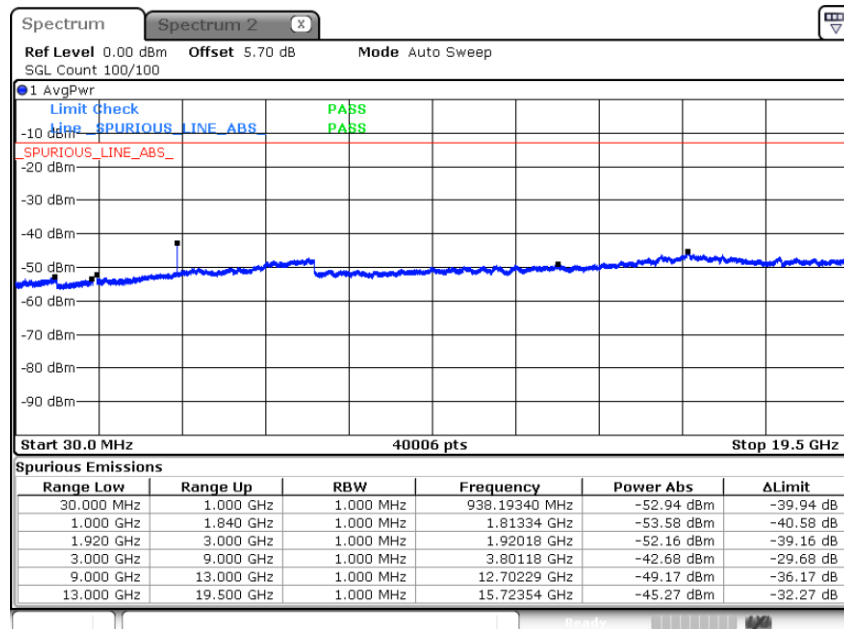
Date: 12.FEB.2021 13:17:17

Middle Channel / QPSK



Date: 12.FEB.2021 13:18:02

Highest Channel / QPSK

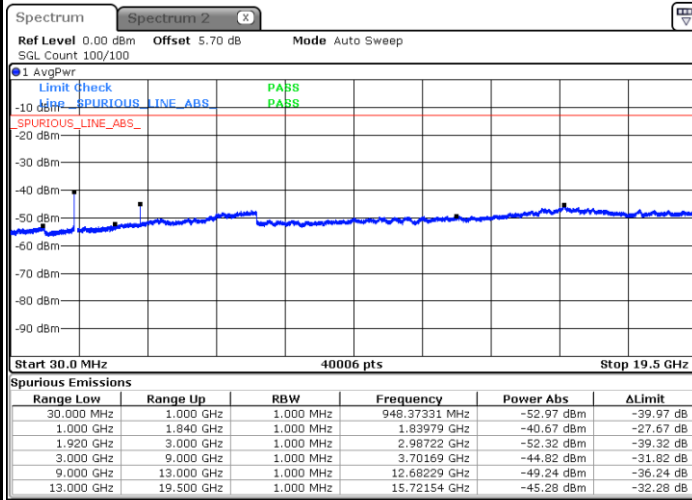


Date: 12.FEB.2021 13:18:56



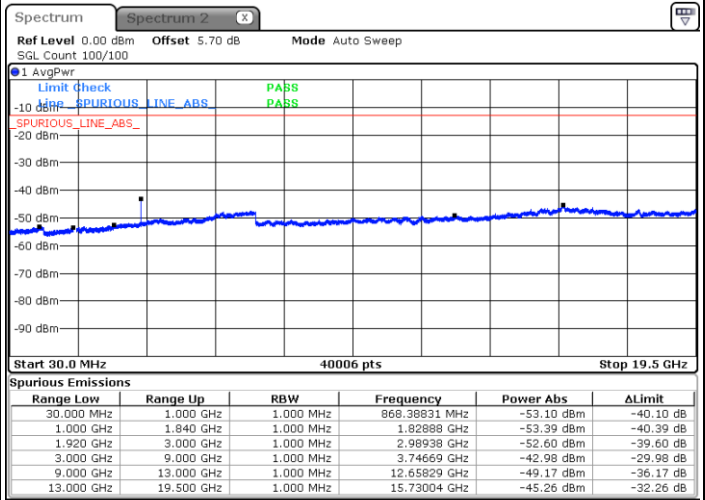
LTE Band 2 / 15MHz

Lowest Channel / QPSK



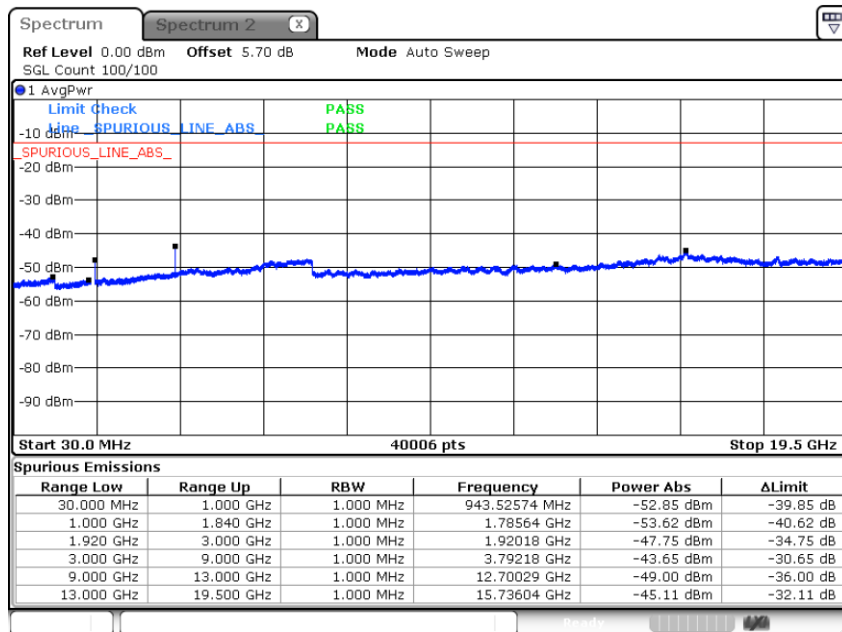
Date: 12.FEB.2021 13:36:52

Middle Channel / QPSK



Date: 12.FEB.2021 13:37:49

Highest Channel / QPSK

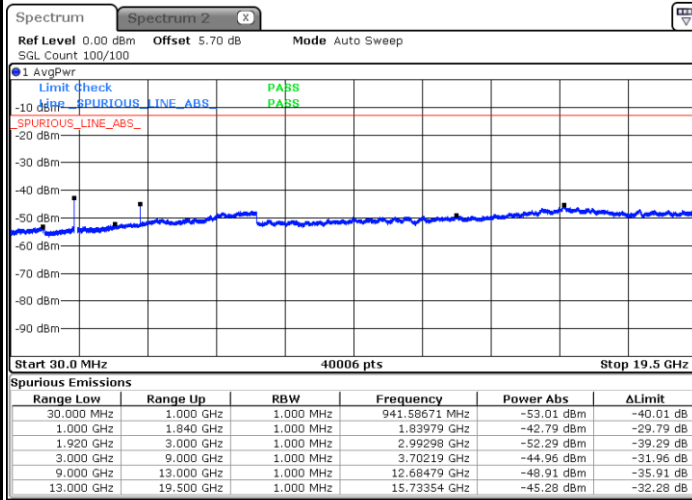


Date: 12.FEB.2021 13:38:38



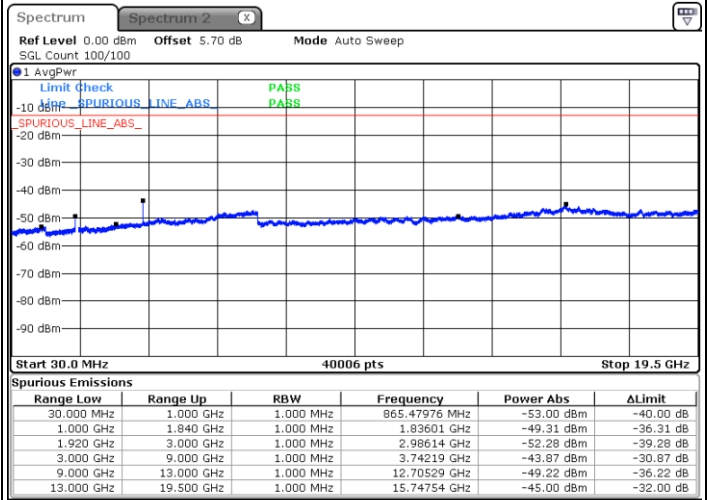
LTE Band 2 / 20MHz

Lowest Channel / QPSK



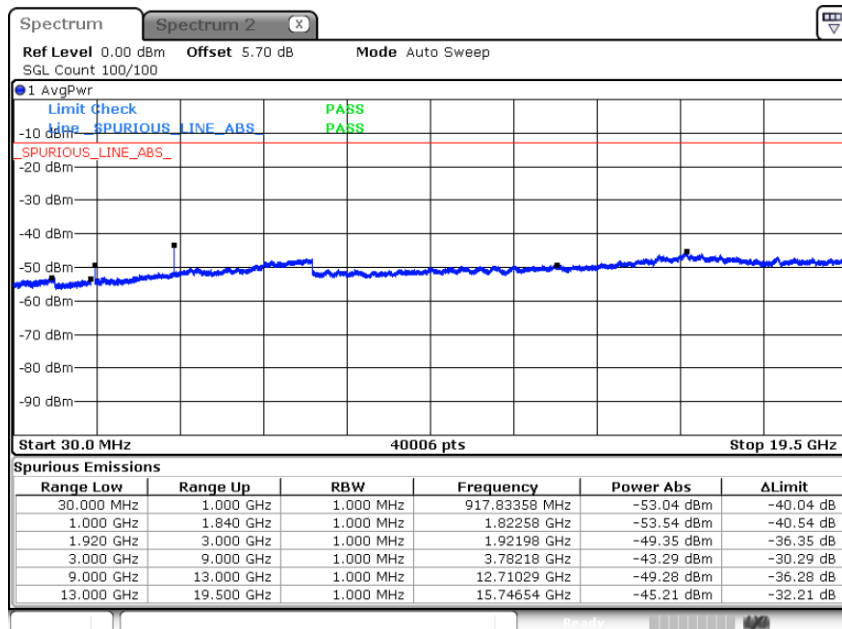
Date: 12.FEB.2021 13:39:57

Middle Channel / QPSK



Date: 12.FEB.2021 13:40:43

Highest Channel / QPSK



Date: 12.FEB.2021 13:41:36

**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	0.0014	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0003	

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.



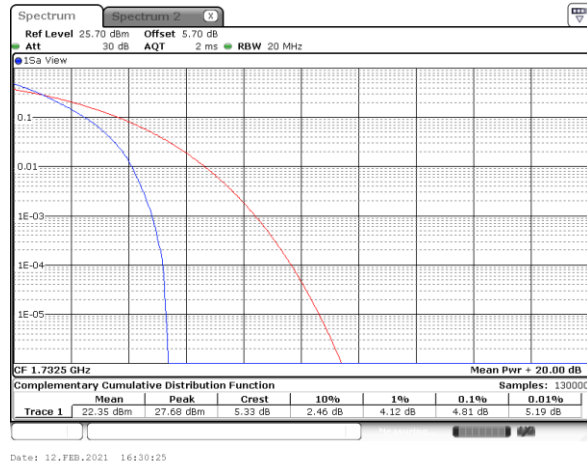
LTE Band 4

Peak-to-Average Ratio

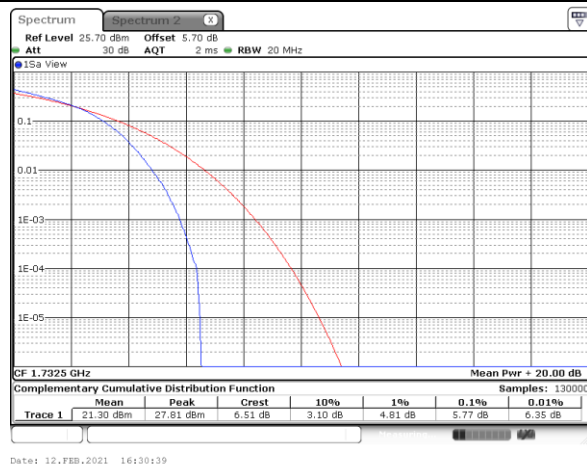
Mode	LTE Band 4 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.77	5.71	PASS

LTE Band 4 / 20MHz

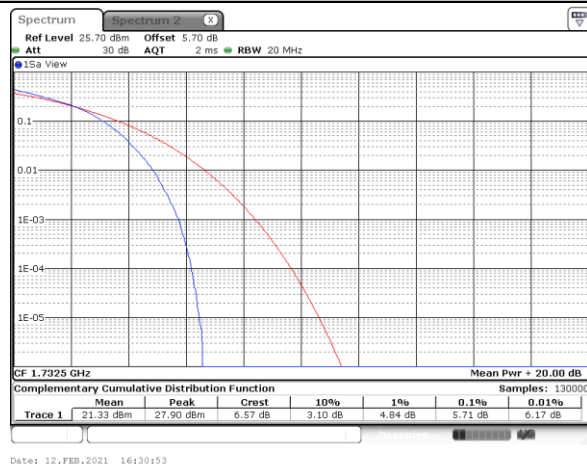
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM

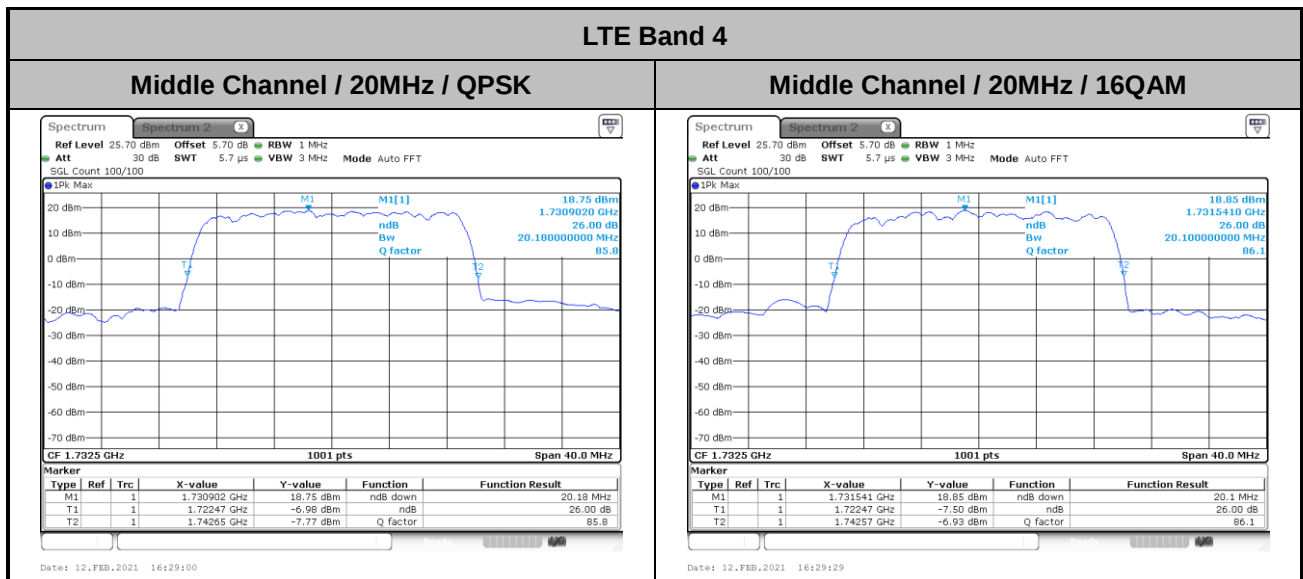


Middle Channel / Full RB/ 64QAM



**26dB Bandwidth**

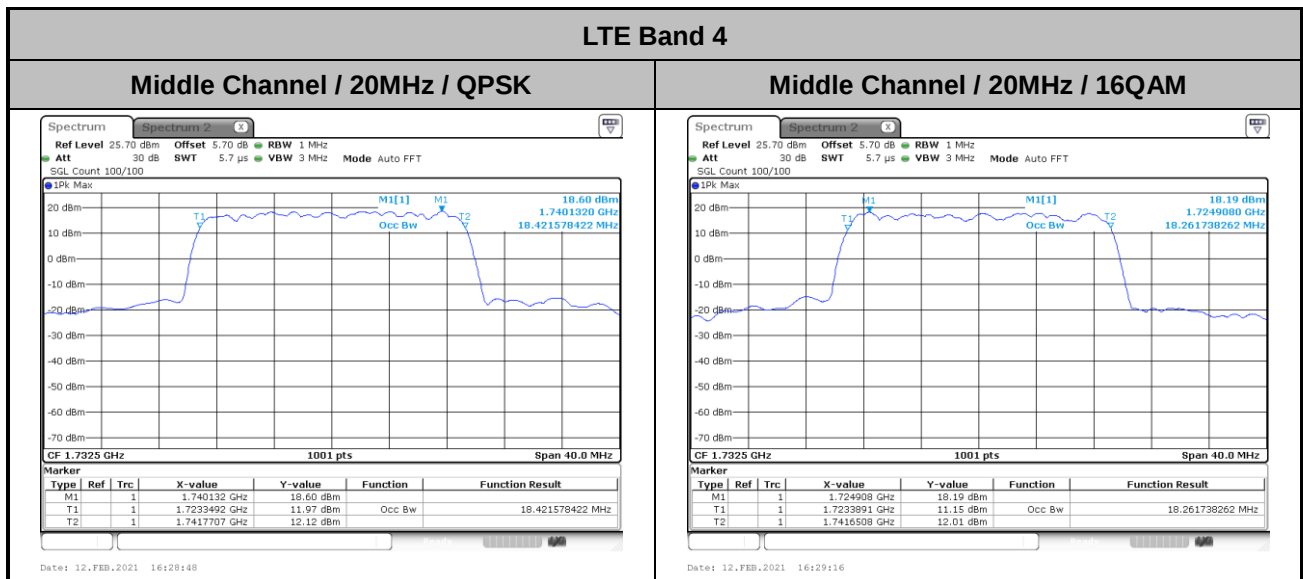
Mode	LTE Band 4 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.18	20.10





Occupied Bandwidth

Mode	LTE Band 4 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.42	18.26

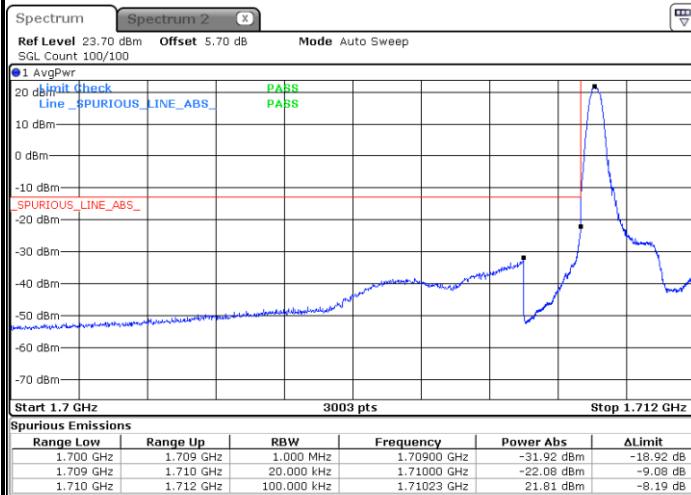




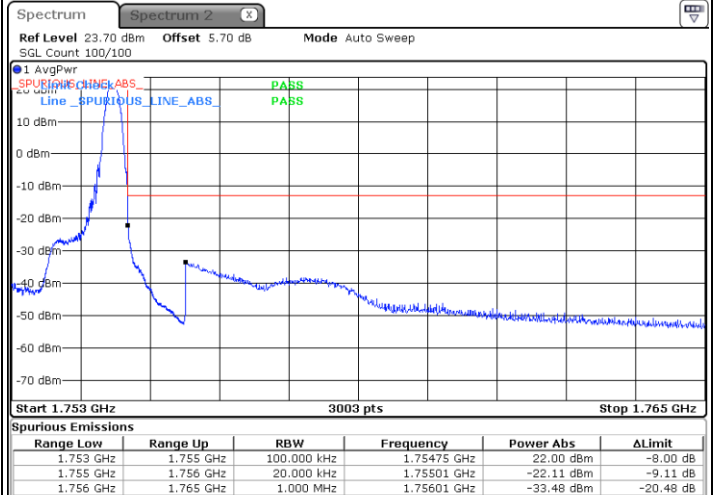
Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

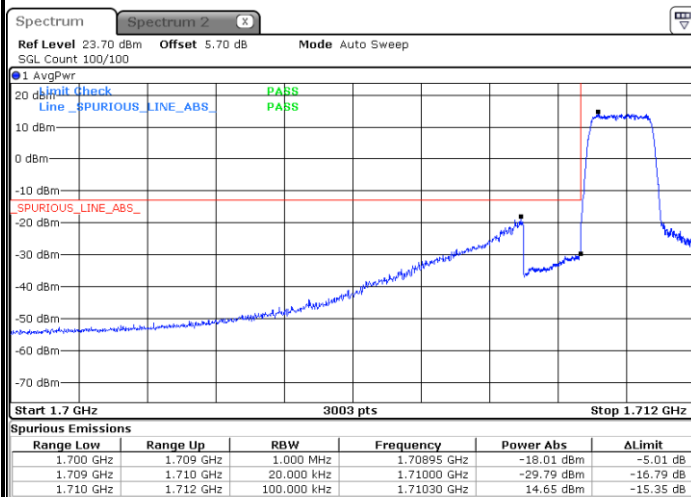
Lowest Band Edge / 1RB



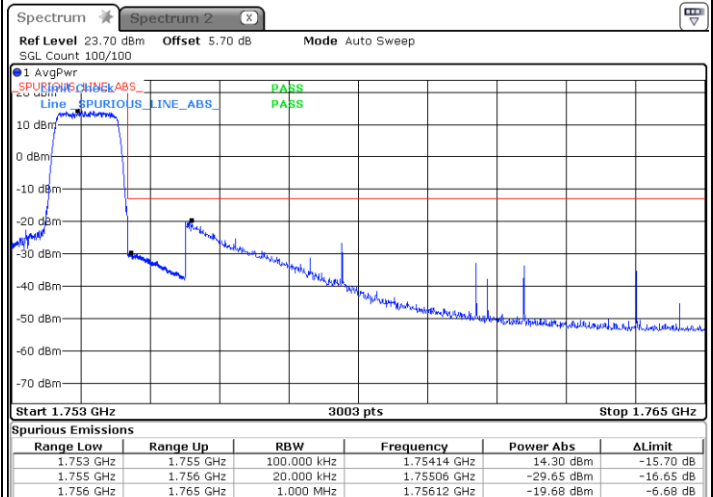
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



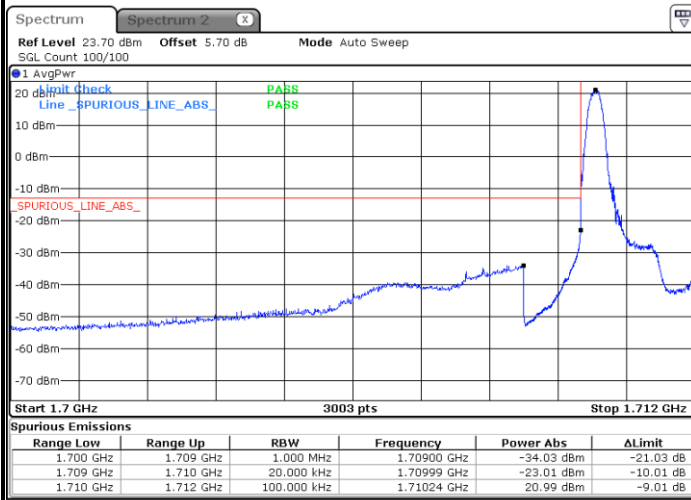
Highest Band Edge / Full RB



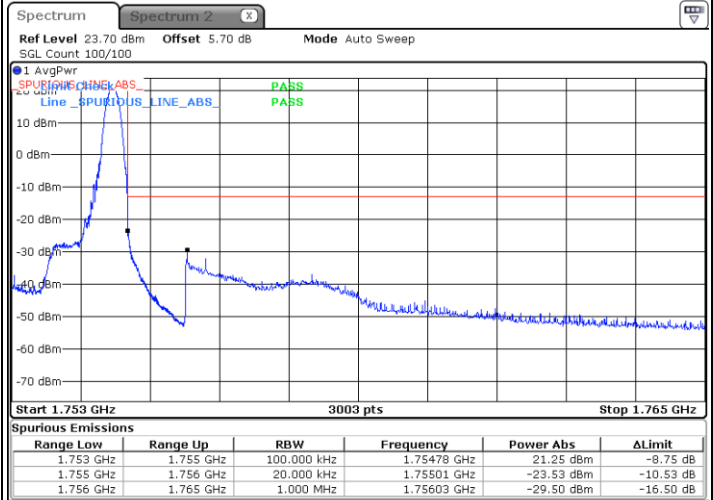


LTE Band 4 / 1.4MHz / 16QAM

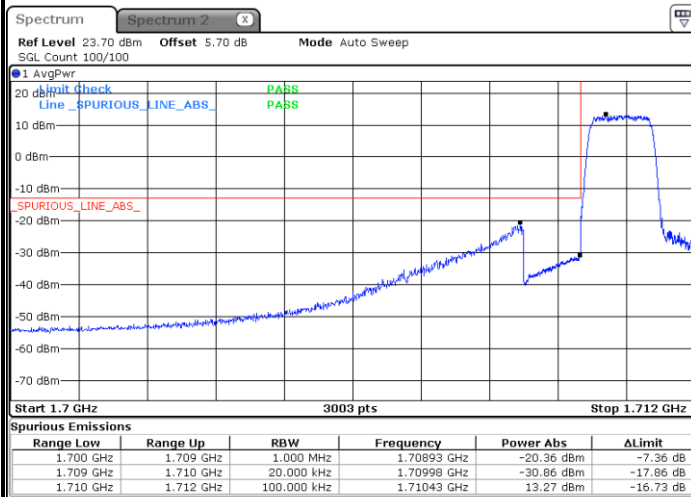
Lowest Band Edge / 1 RB



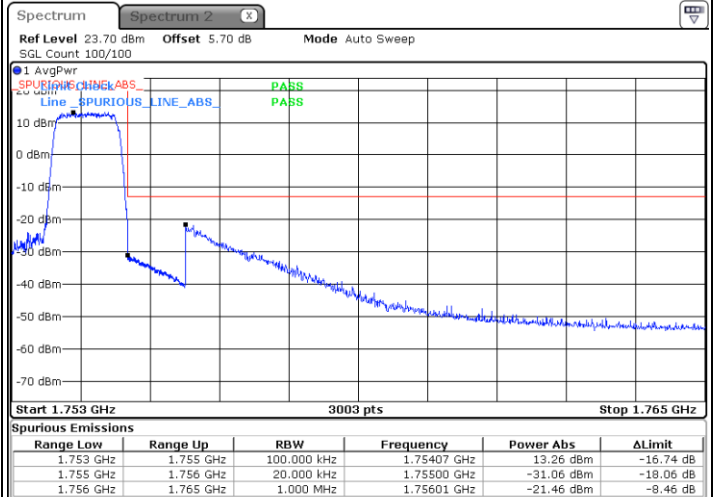
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



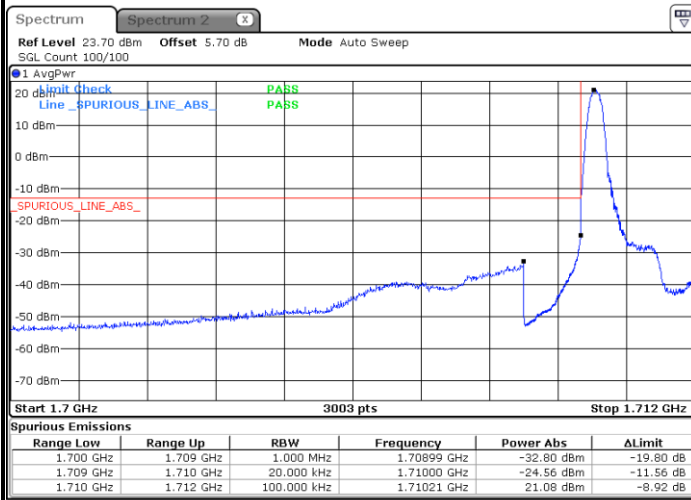
Highest Band Edge / Full RB





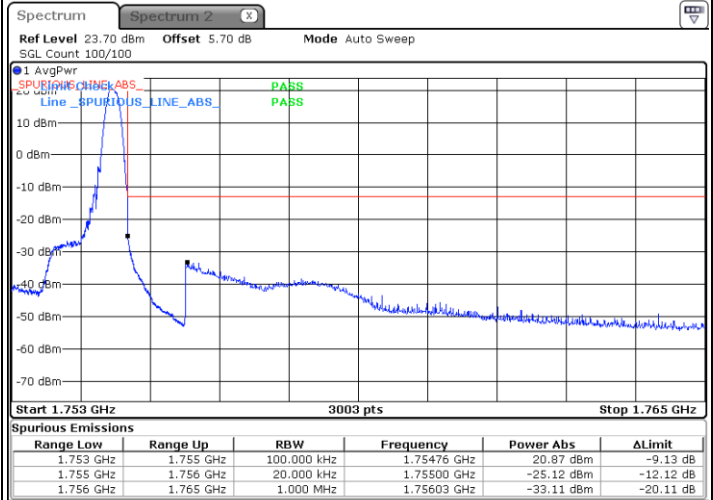
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



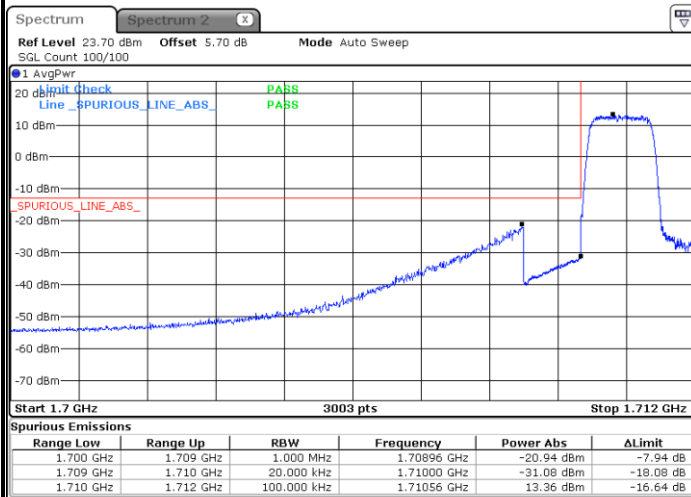
Date: 12.FEB.2021 15:13:46

Highest Band Edge / 1 RB



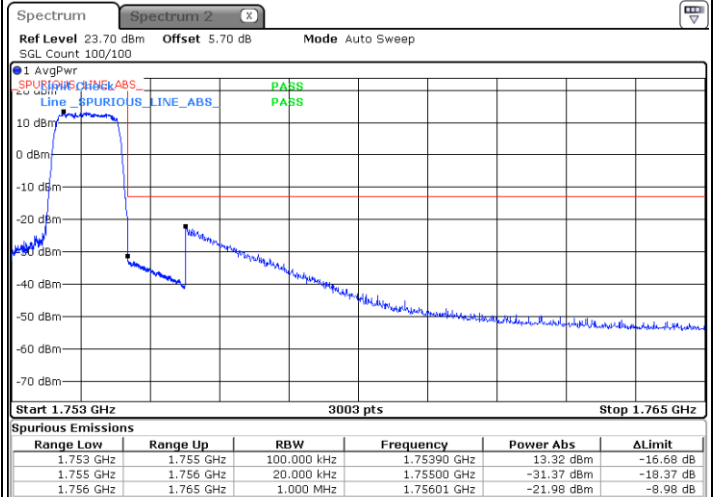
Date: 12.FEB.2021 15:16:01

Lowest Band Edge / Full RB



Date: 12.FEB.2021 15:14:53

Highest Band Edge / Full RB

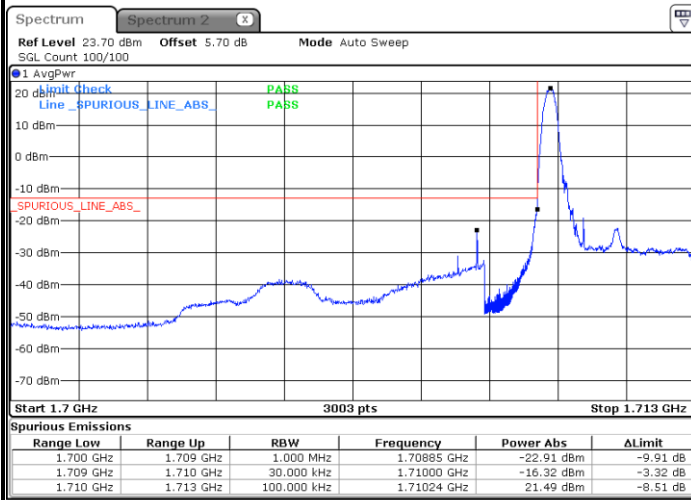


Date: 12.FEB.2021 15:17:08

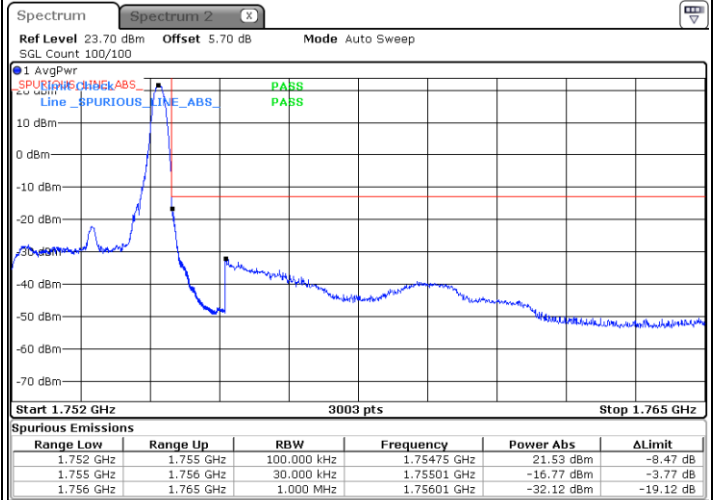


LTE Band 4 / 3MHz / QPSK

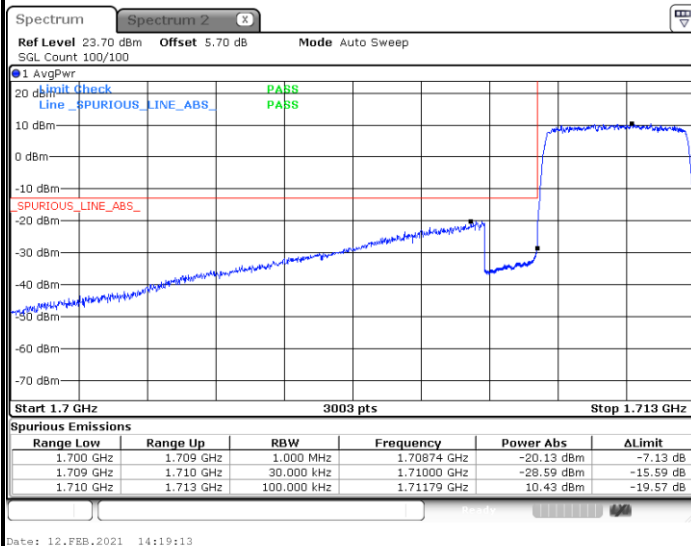
Lowest Band Edge / 1RB



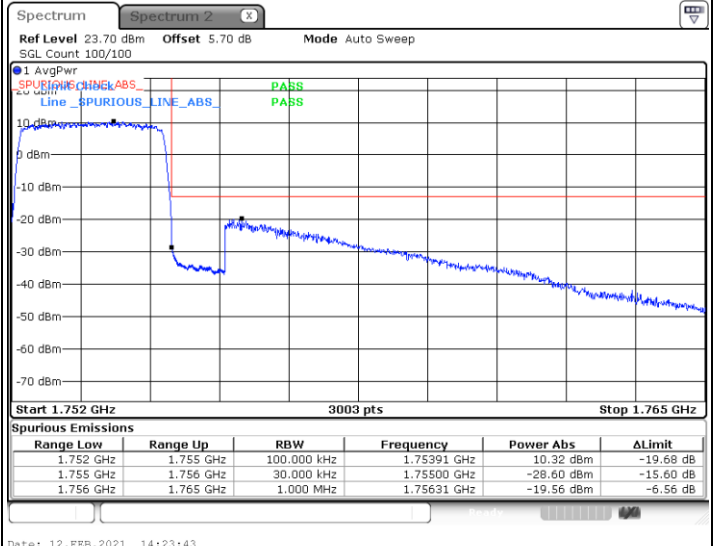
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



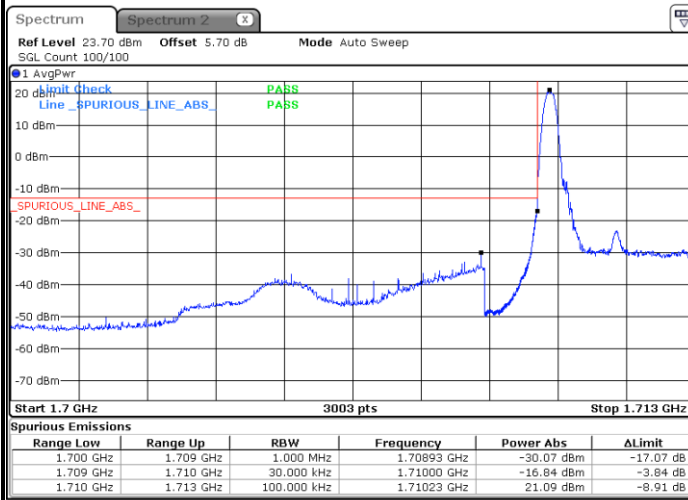
Highest Band Edge / Full RB



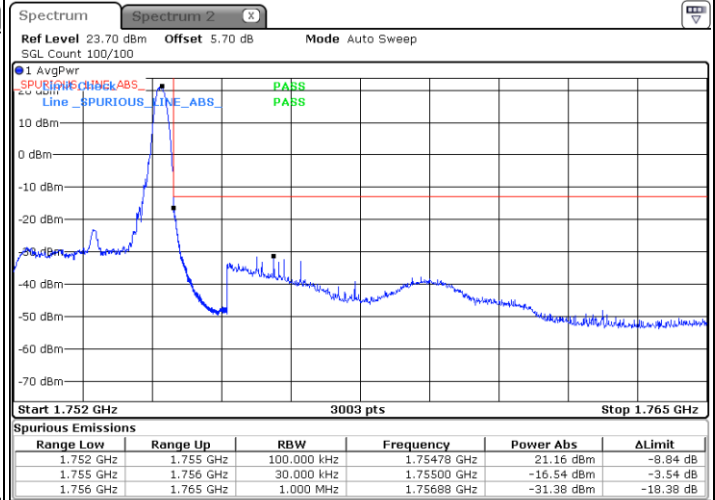


LTE Band 4 / 3MHz / 16QAM

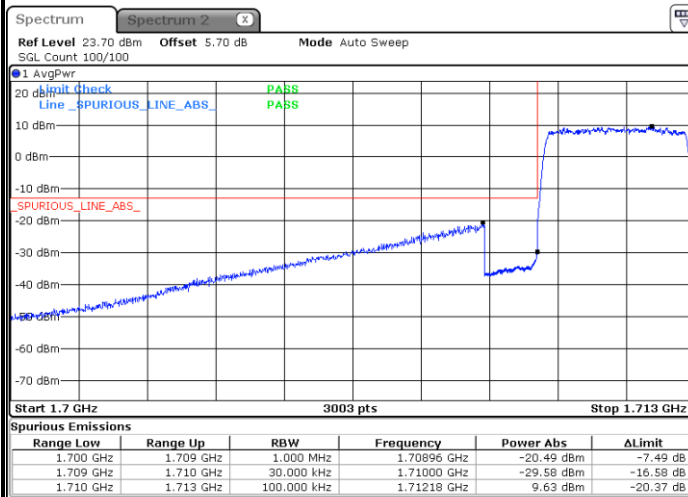
Lowest Band Edge / 1 RB



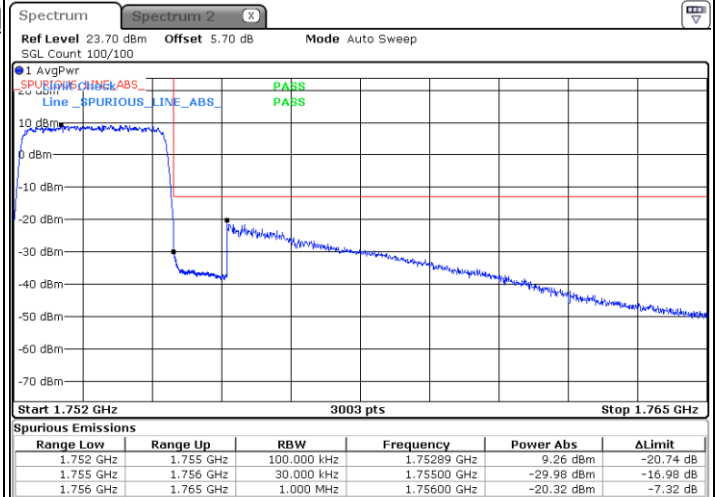
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



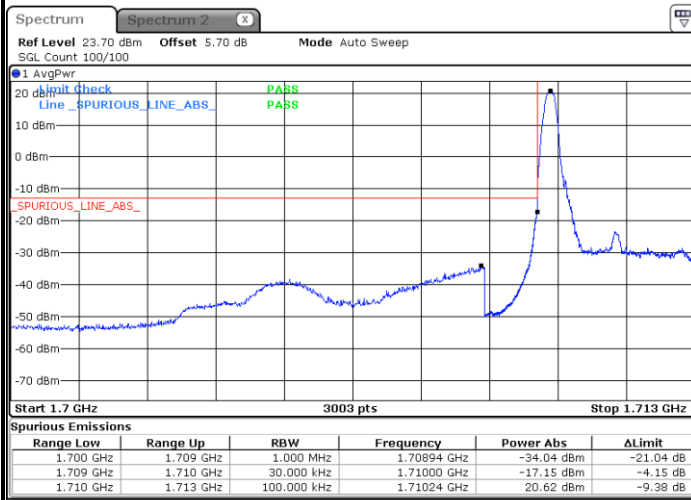
Highest Band Edge / Full RB



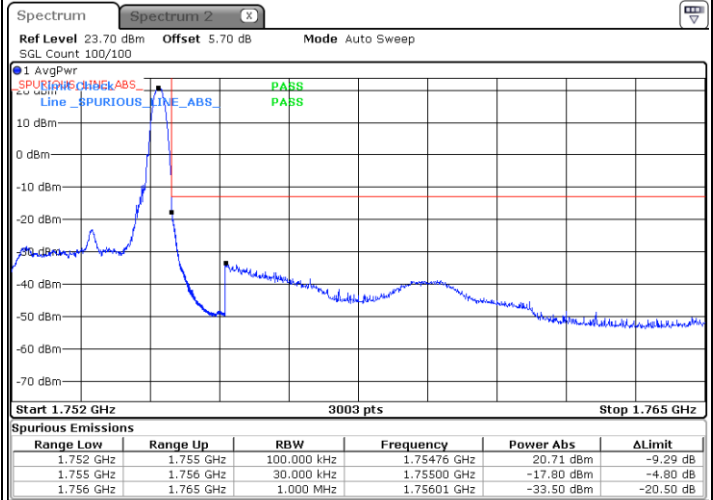


LTE Band 4 / 3MHz / 64QAM

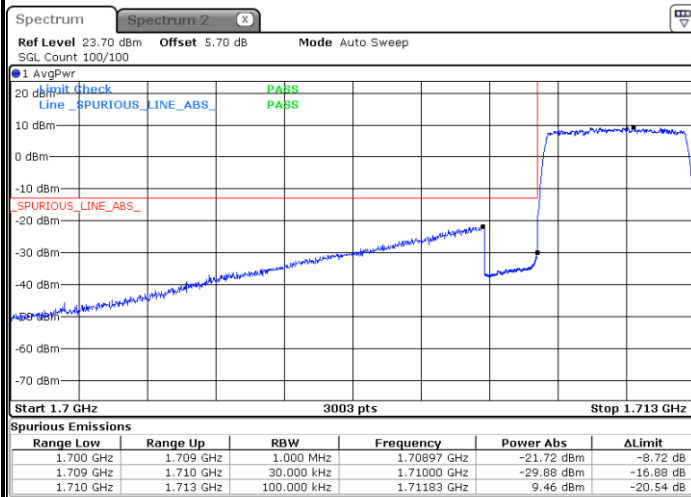
Lowest Band Edge / 1 RB



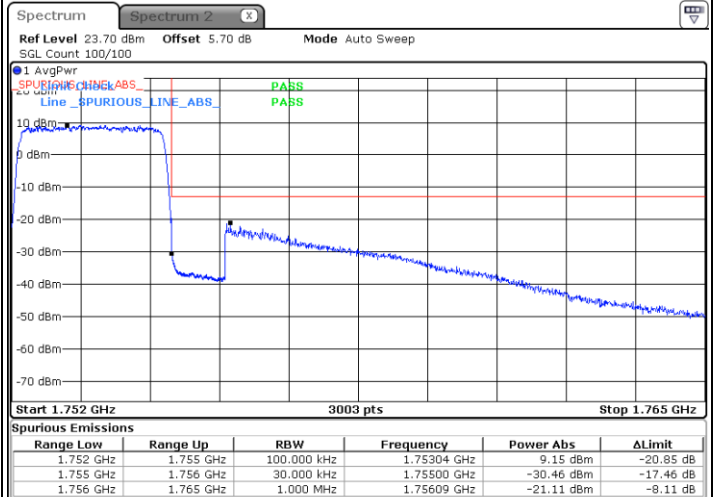
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



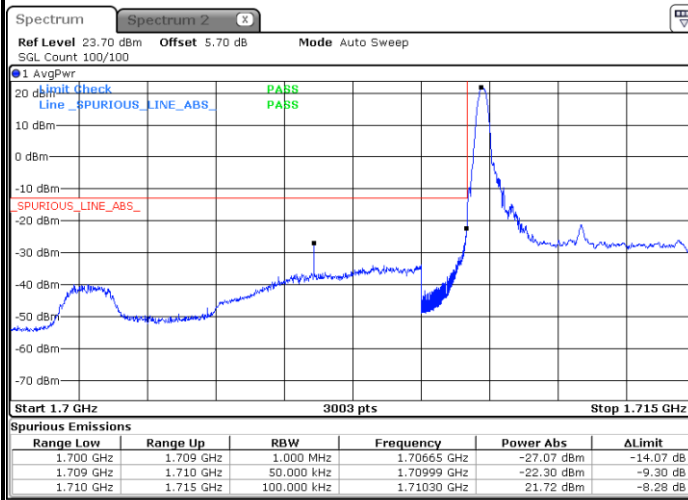
Highest Band Edge / Full RB



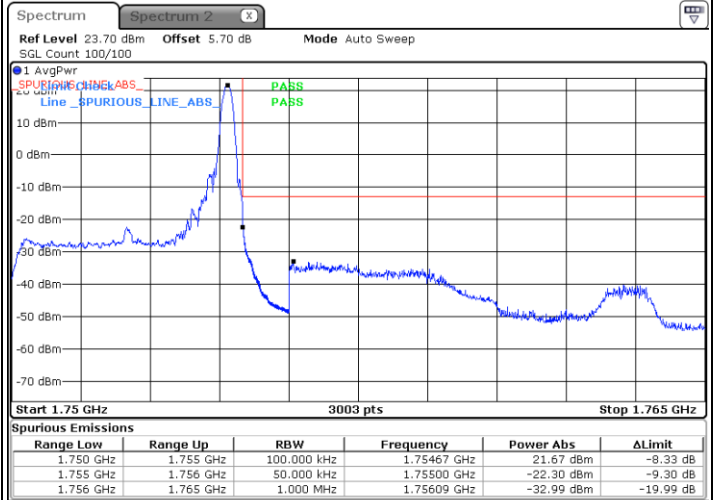


LTE Band 4 / 5MHz / QPSK

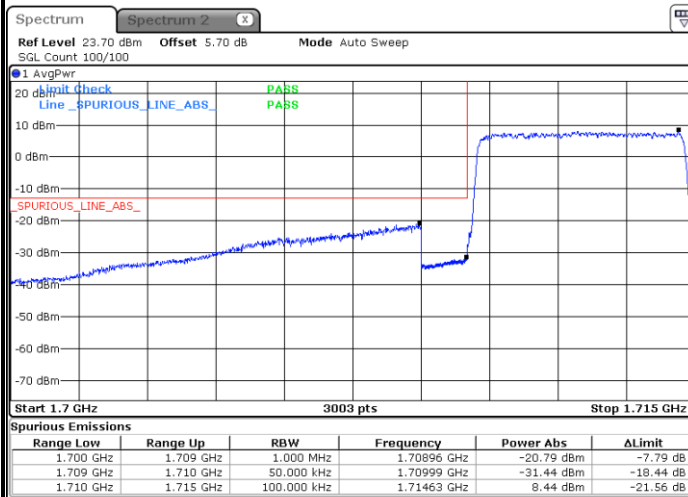
Lowest Band Edge / 1 RB



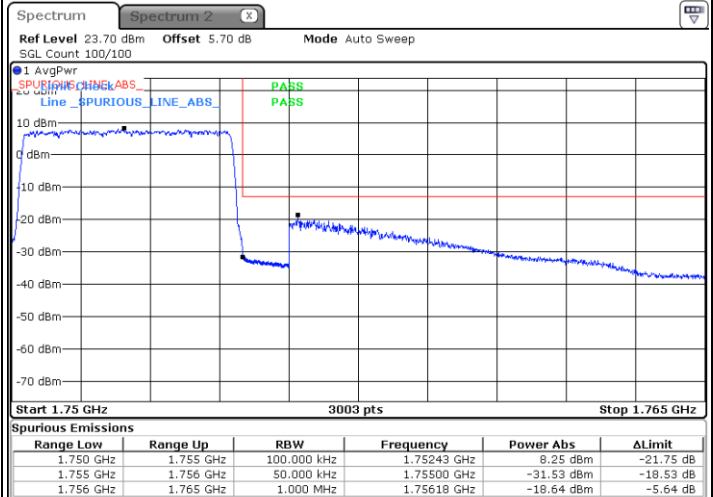
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



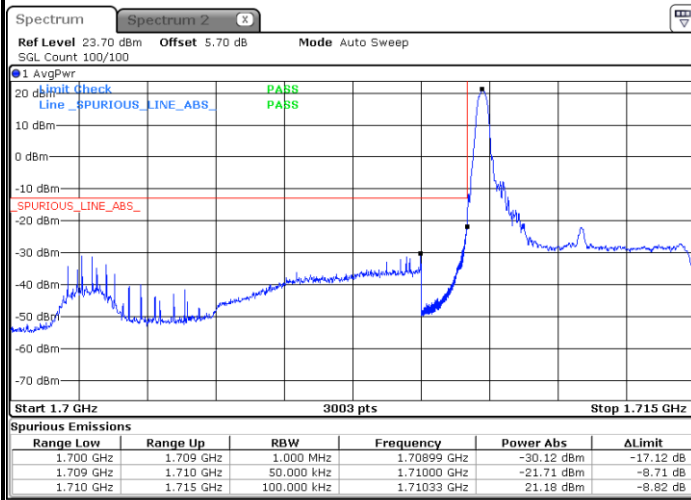
Highest Band Edge / Full RB



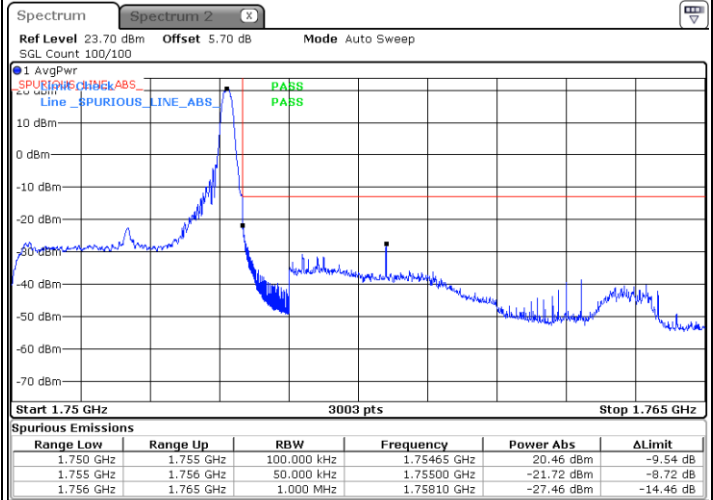


LTE Band 4 / 5MHz / 16QAM

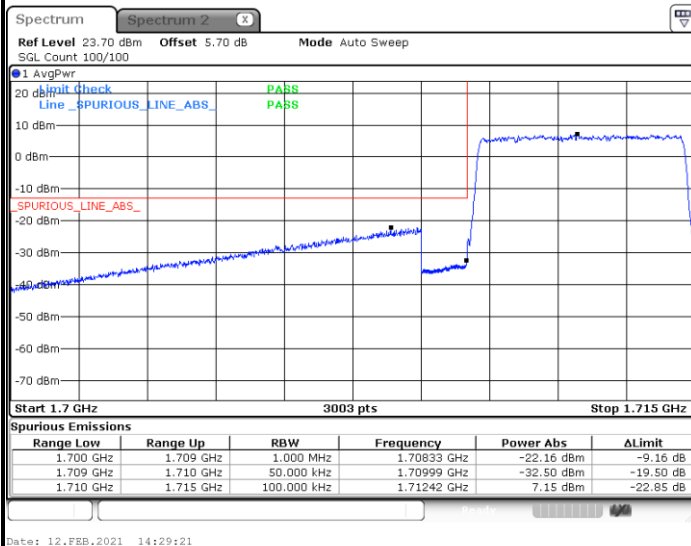
Lowest Band Edge / 1RB



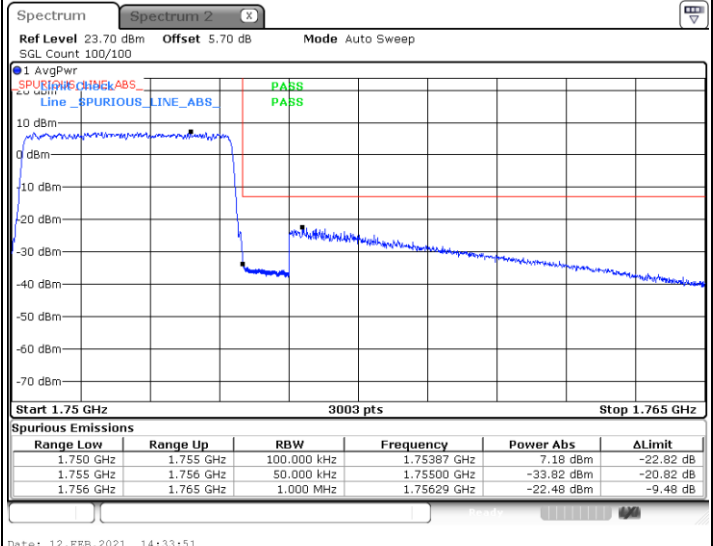
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



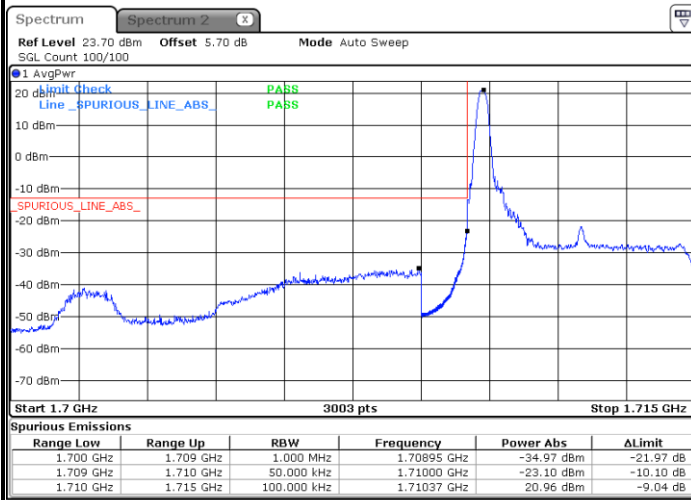
Highest Band Edge / Full RB





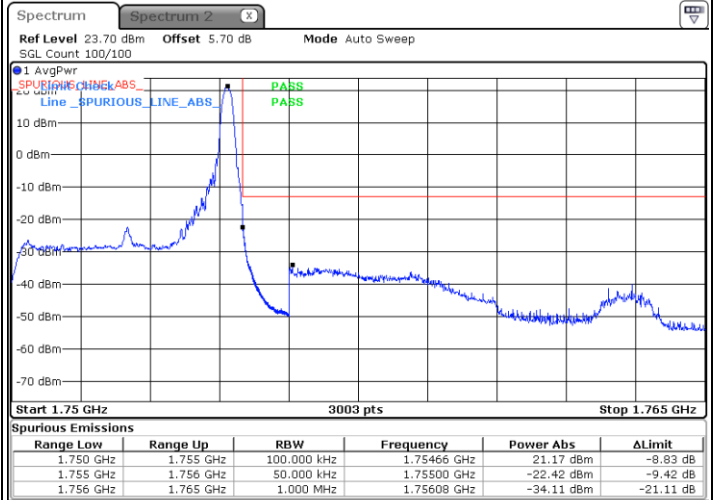
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



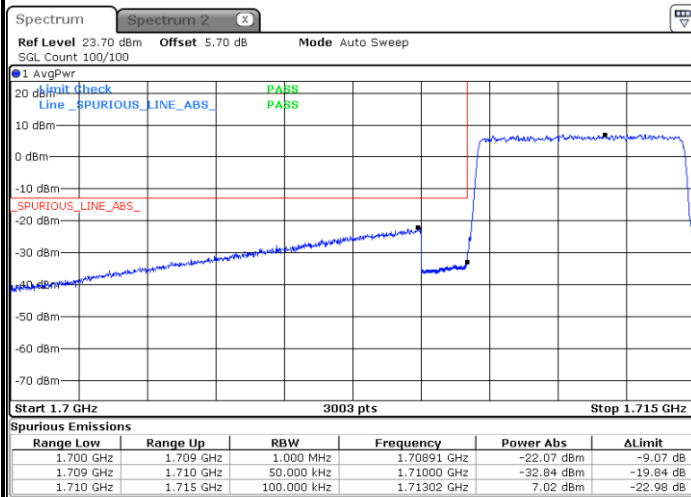
Date: 12.FEB.2021 15:22:46

Highest Band Edge / 1 RB



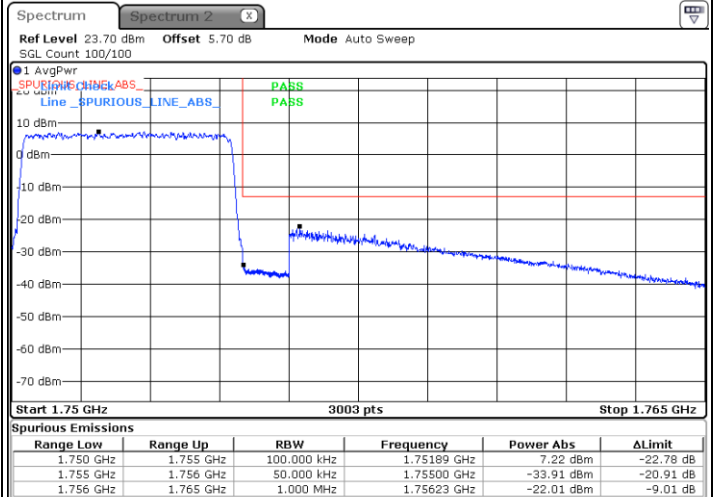
Date: 12.FEB.2021 15:25:01

Lowest Band Edge / Full RB



Date: 12.FEB.2021 15:23:54

Highest Band Edge / Full RB

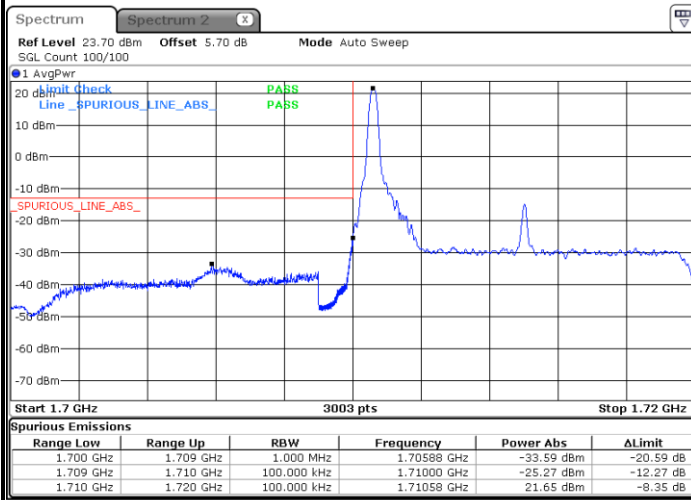


Date: 12.FEB.2021 15:26:09

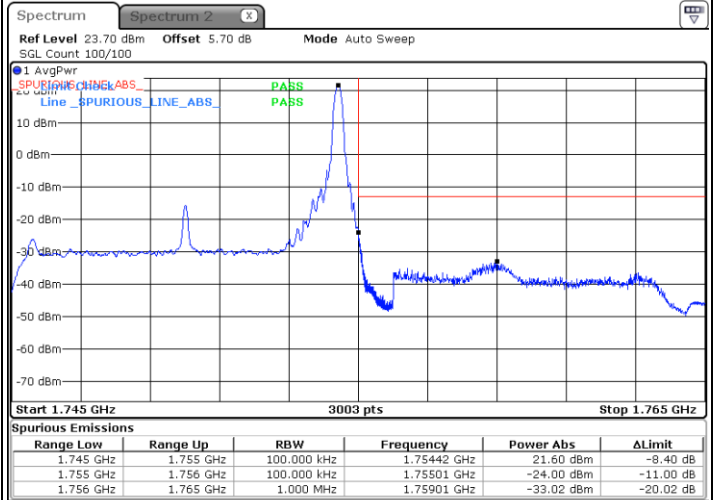


LTE Band 4 / 10MHz / QPSK

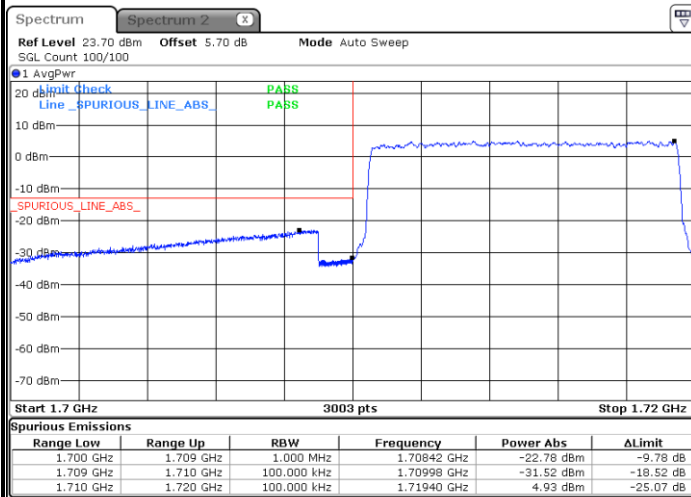
Lowest Band Edge / 1 RB



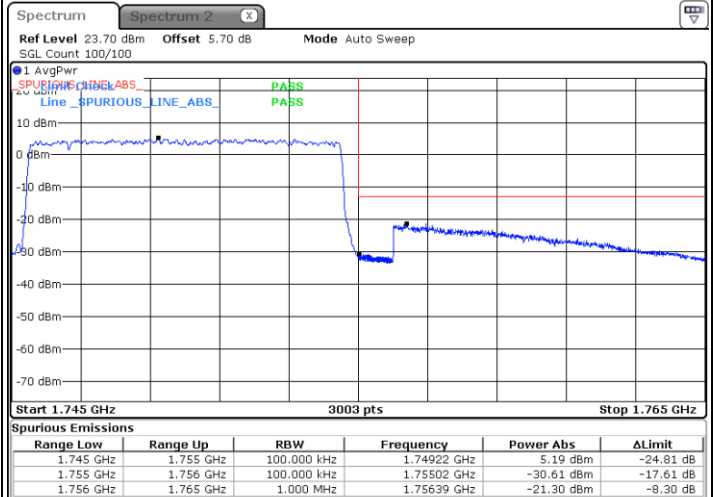
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



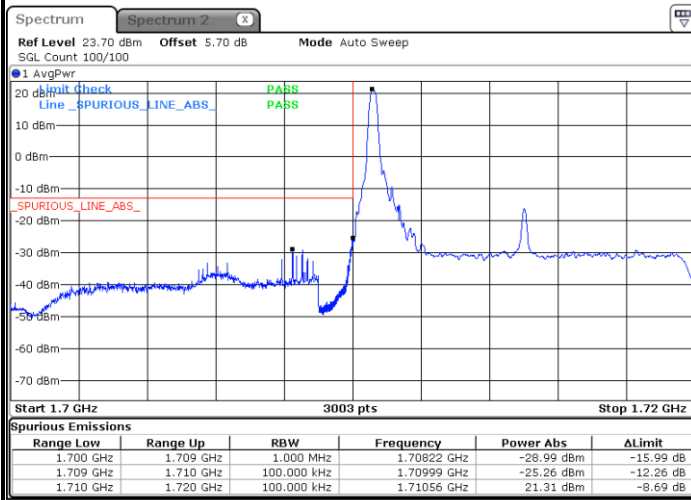
Highest Band Edge / Full RB



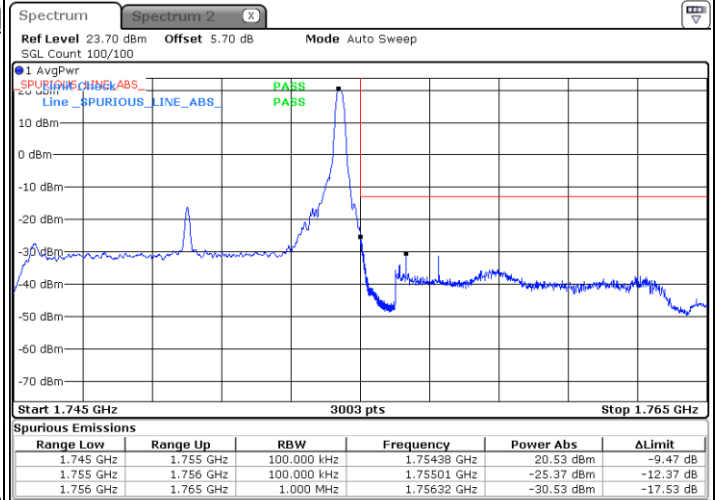


LTE Band 4 / 10MHz / 16QAM

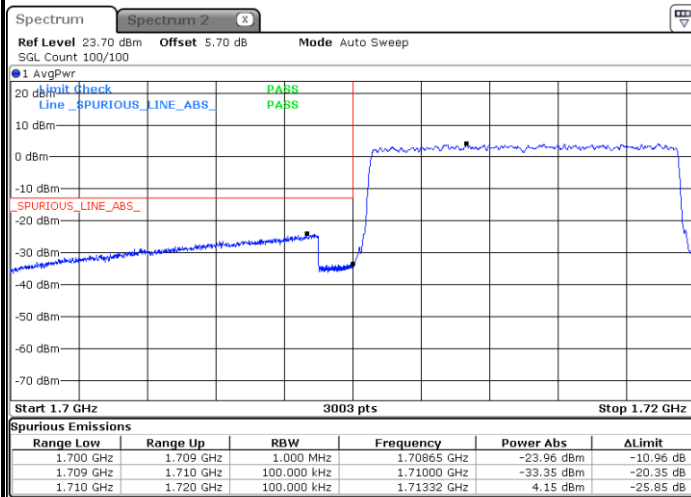
Lowest Band Edge / 1 RB



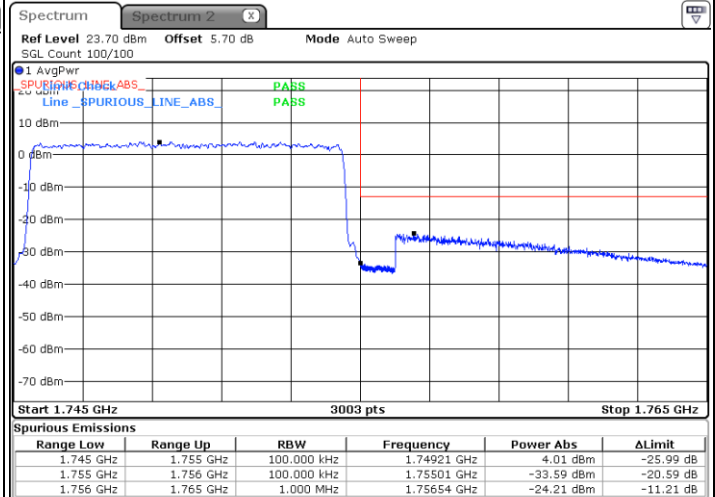
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



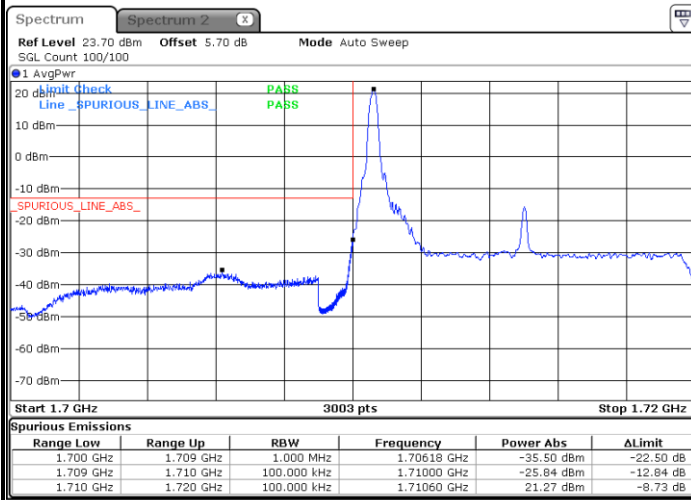
Highest Band Edge / Full RB



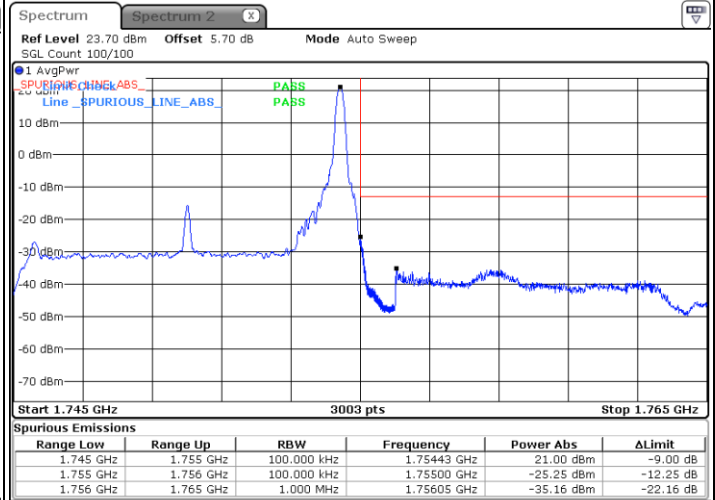


LTE Band 4 / 10MHz / 64QAM

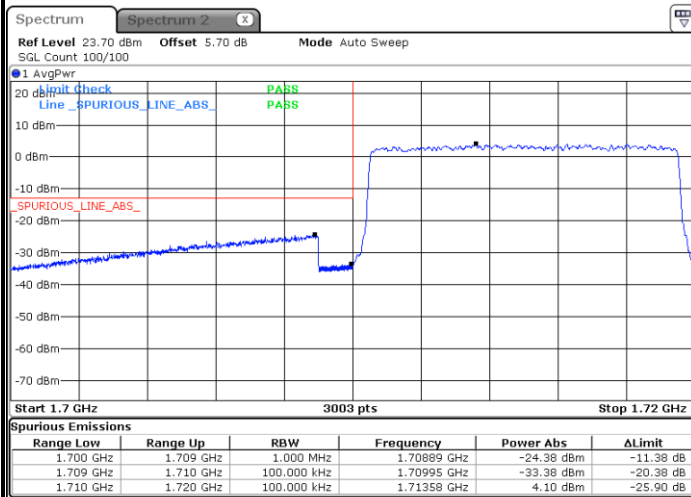
Lowest Band Edge / 1 RB



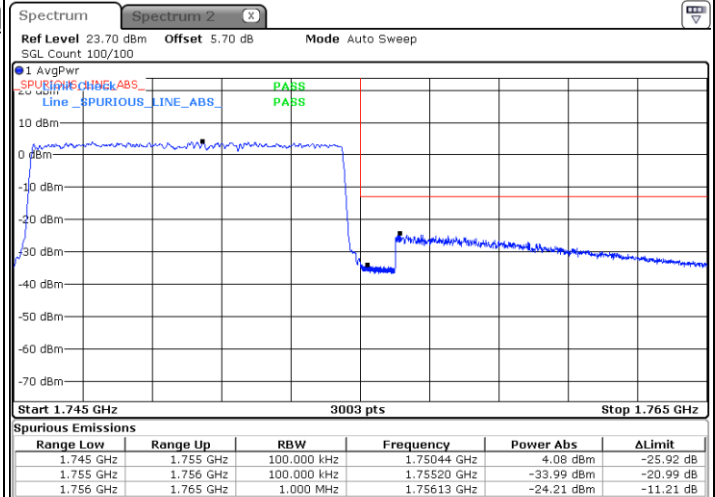
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



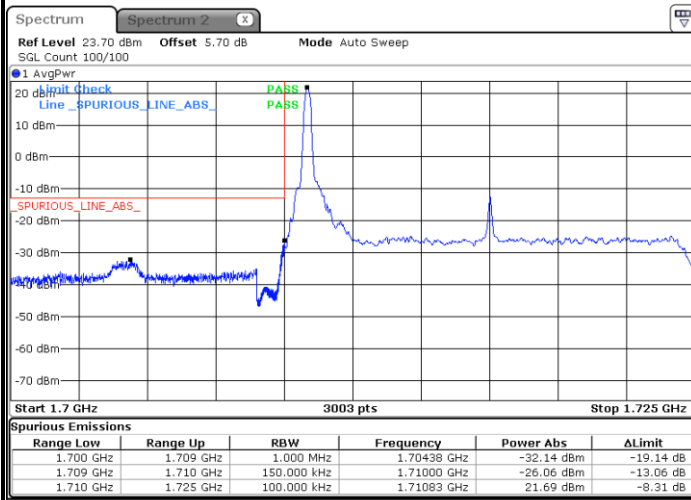
Highest Band Edge / Full RB



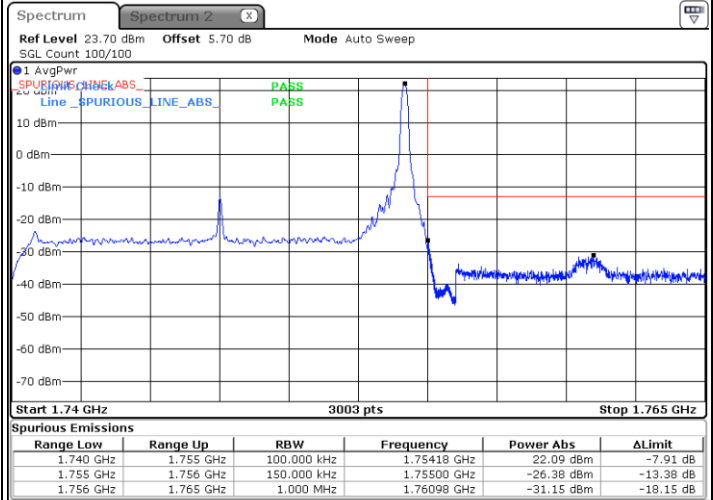


LTE Band 4 / 15MHz / QPSK

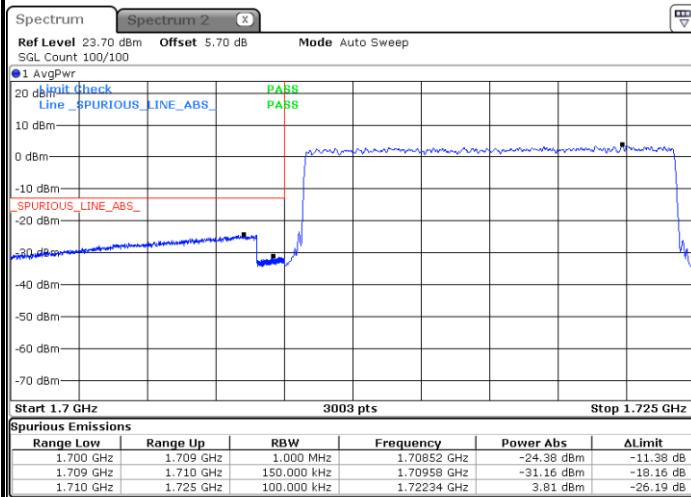
Lowest Band Edge / 1 RB



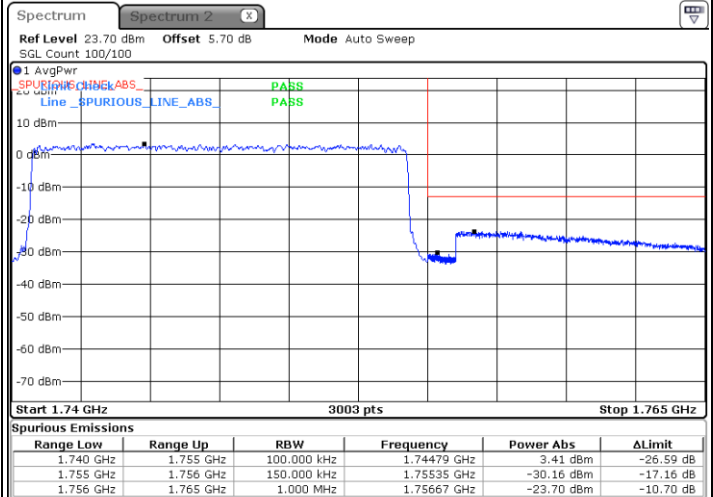
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



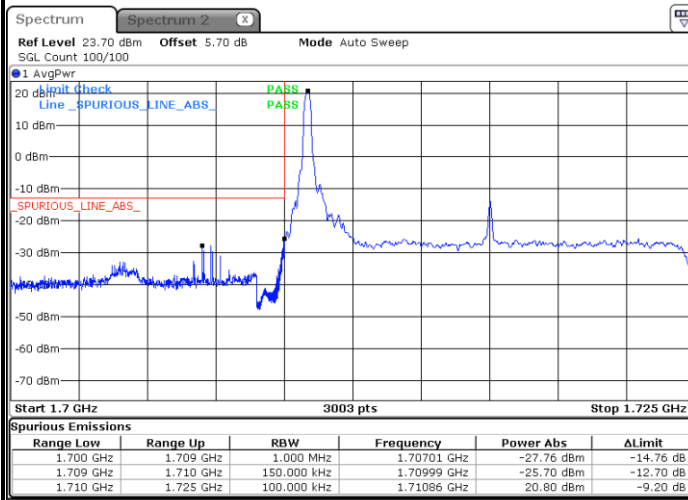
Highest Band Edge / Full RB



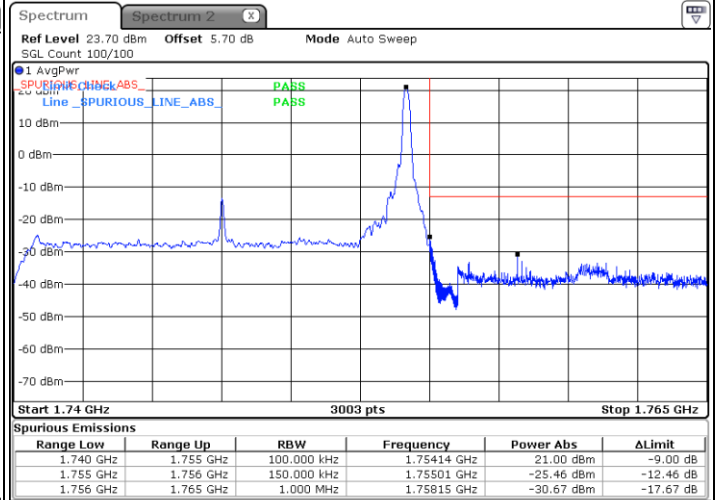


LTE Band 4 / 15MHz / 16QAM

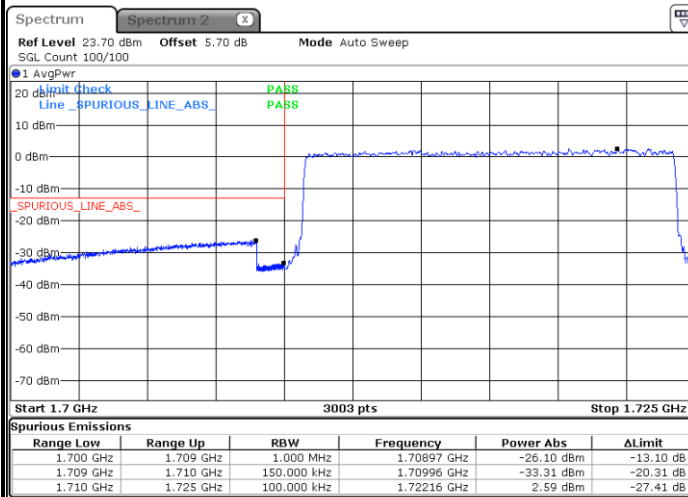
Lowest Band Edge / 1 RB



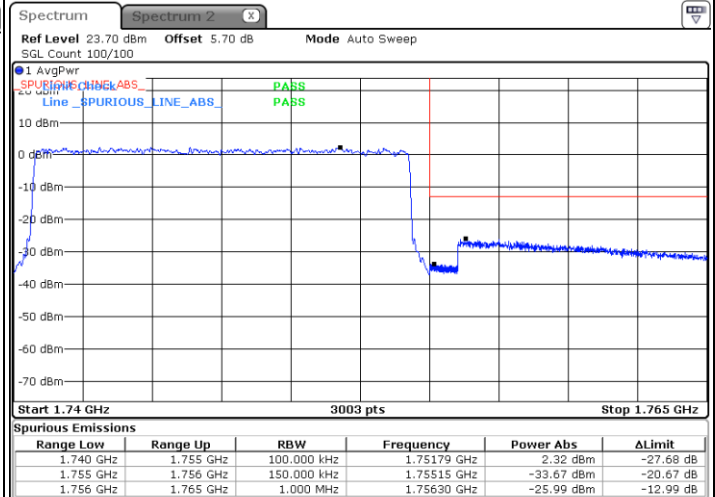
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



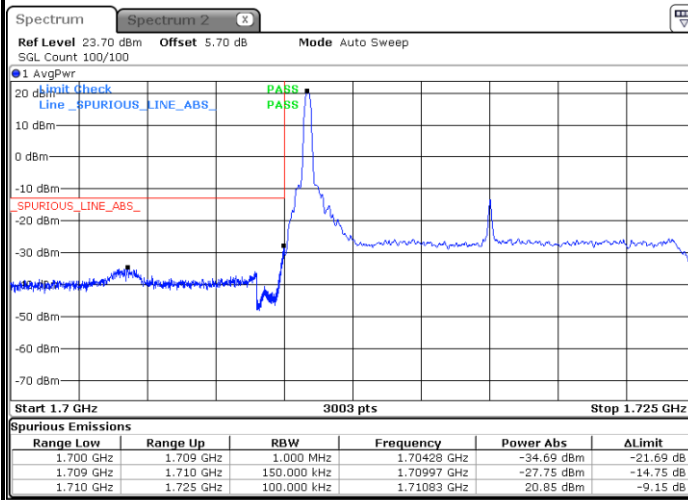
Highest Band Edge / Full RB





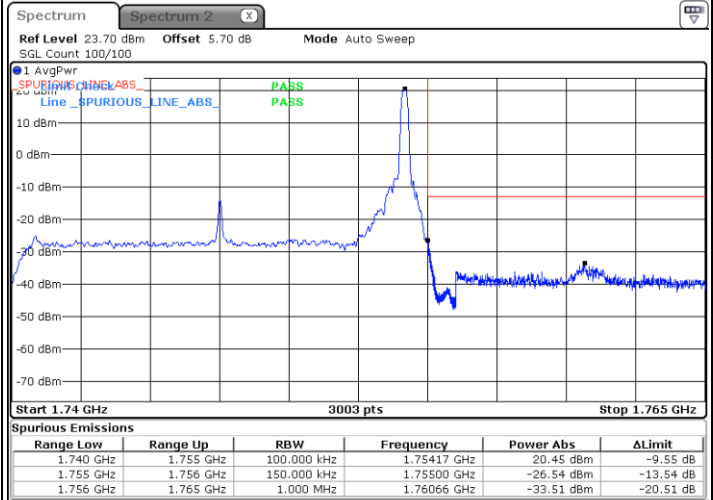
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



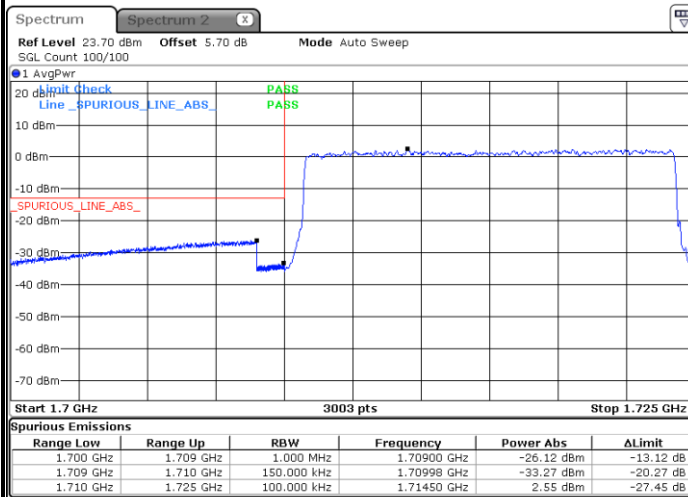
Date: 12.FEB.2021 15:31:47

Highest Band Edge / 1 RB



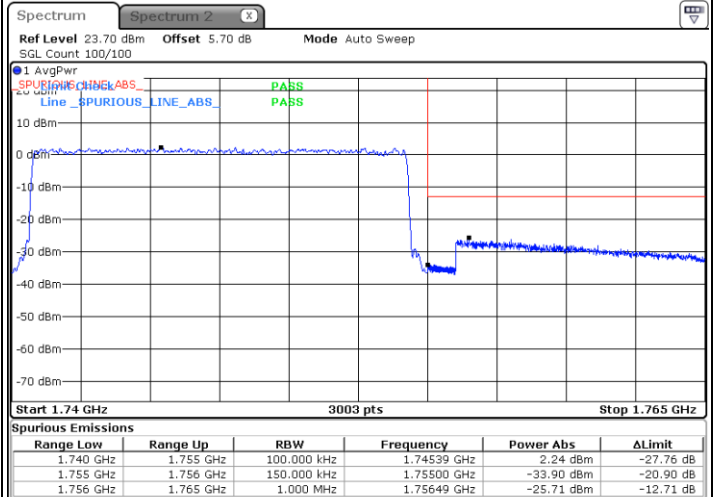
Date: 12.FEB.2021 15:34:01

Lowest Band Edge / Full RB



Date: 12.FEB.2021 15:32:54

Highest Band Edge / Full RB

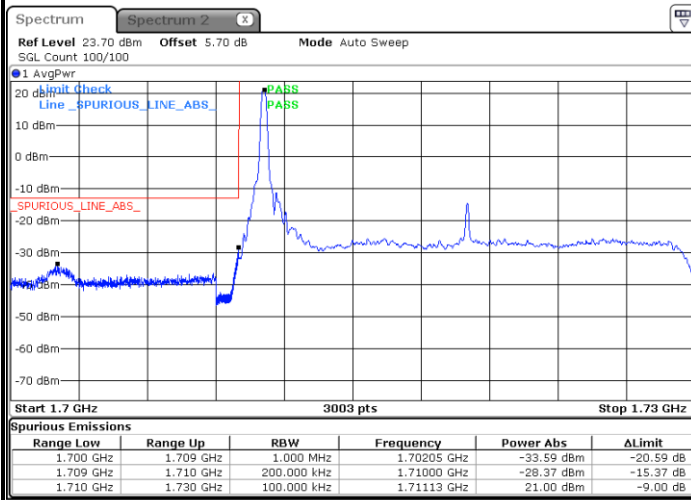


Date: 12.FEB.2021 15:35:09

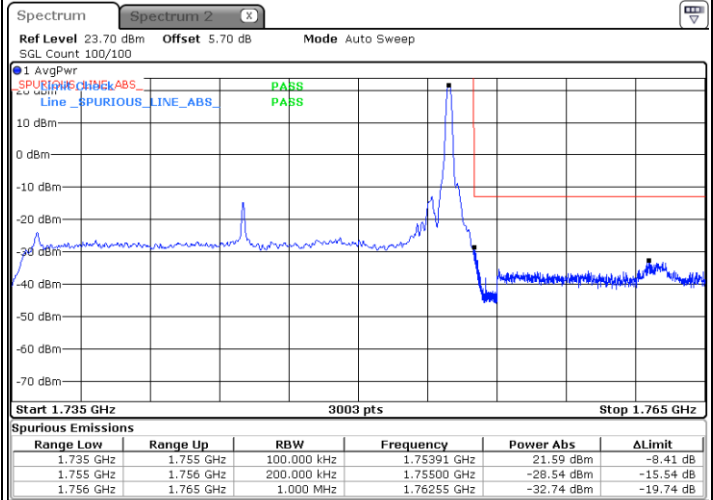


LTE Band 4 / 20MHz / QPSK

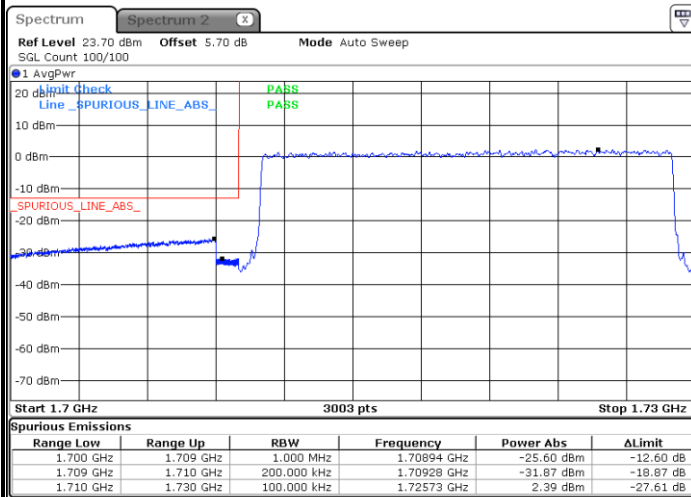
Lowest Band Edge / 1 RB



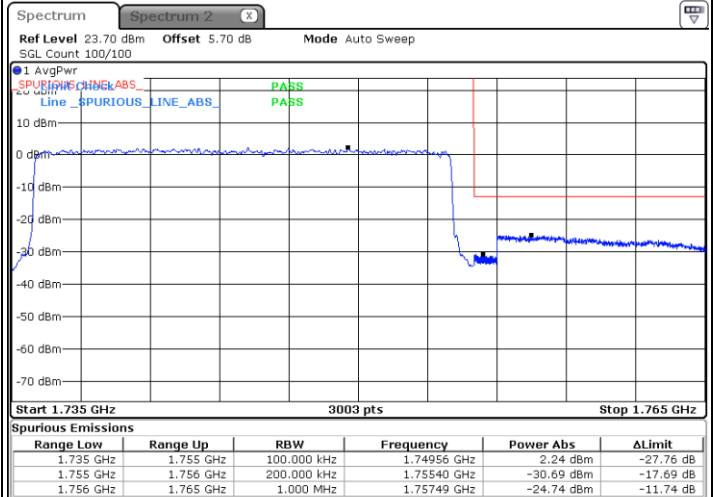
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



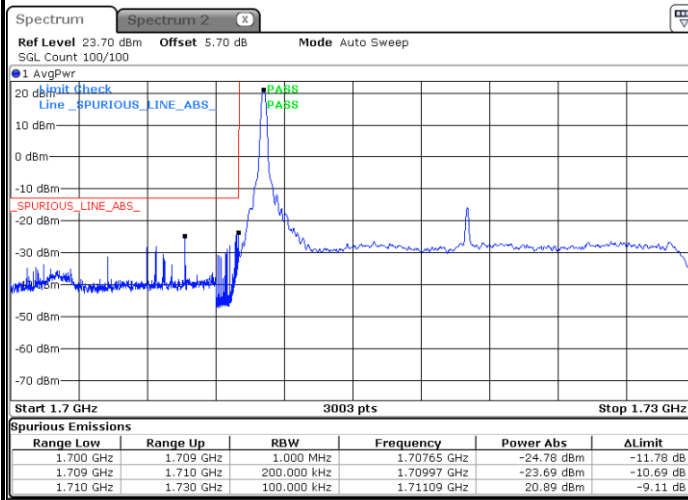
Highest Band Edge / Full RB



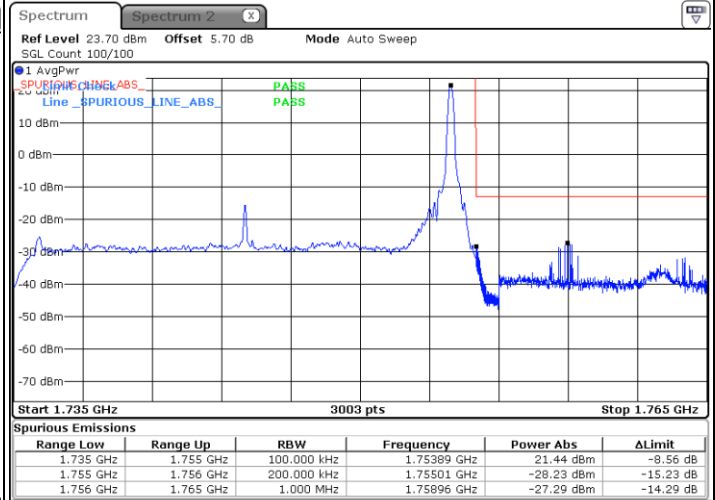


LTE Band 4 / 20MHz / 16QAM

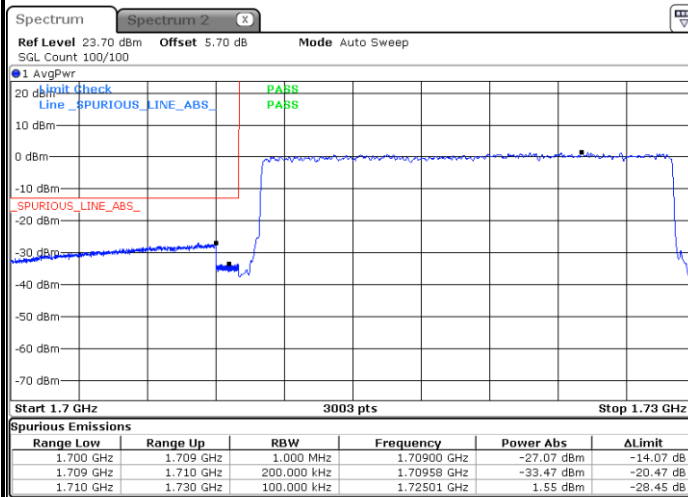
Lowest Band Edge / 1 RB



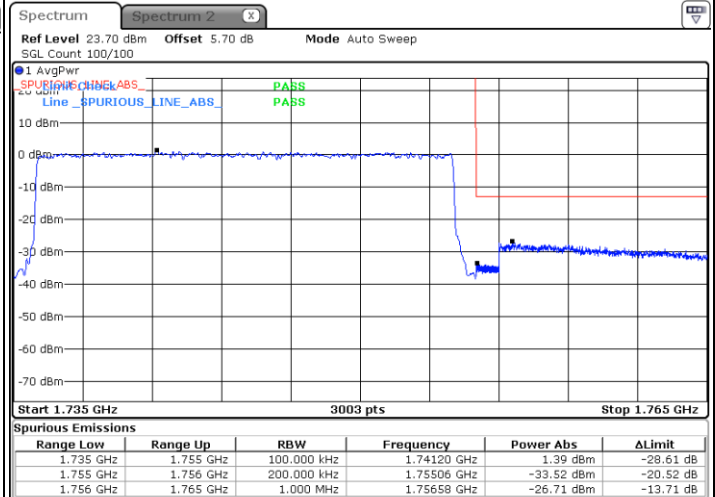
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



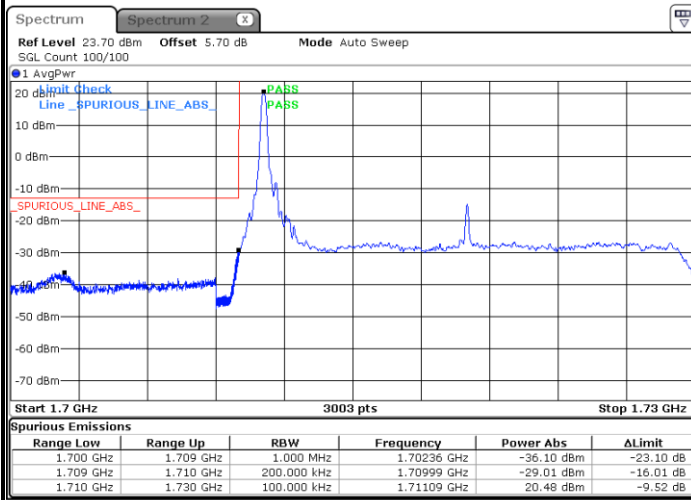
Highest Band Edge / Full RB



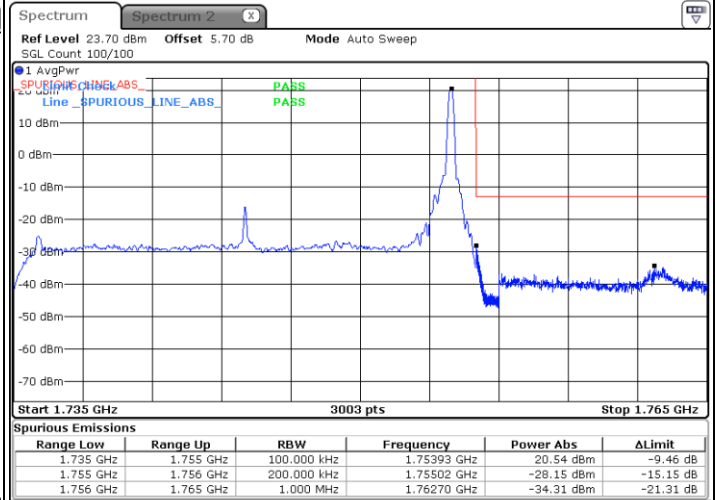


LTE Band 4 / 20MHz / 64QAM

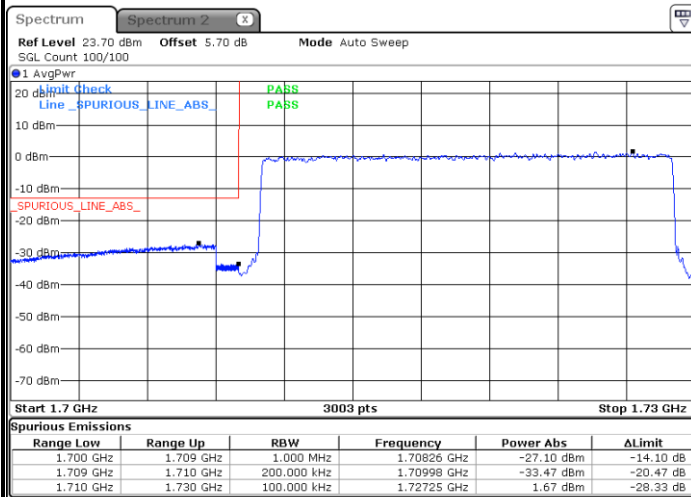
Lowest Band Edge / 1 RB



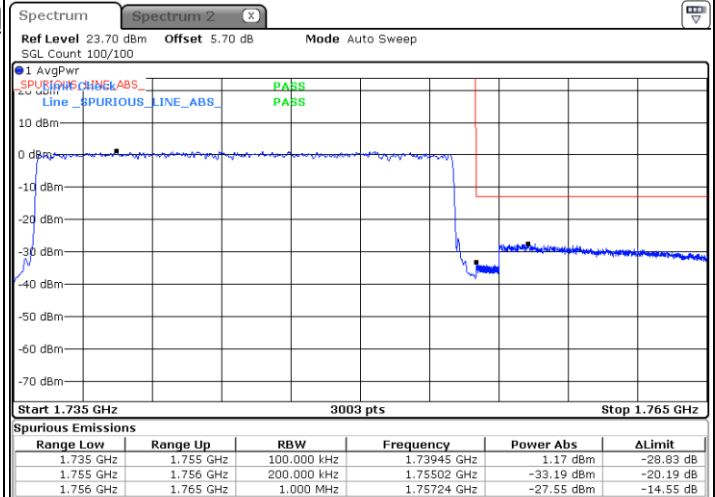
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

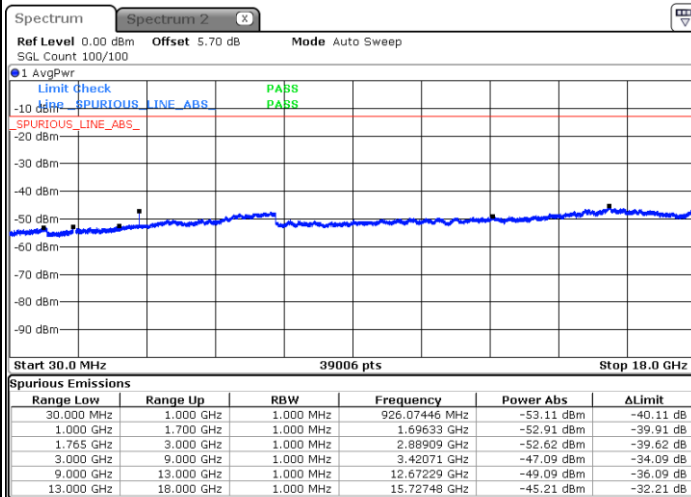




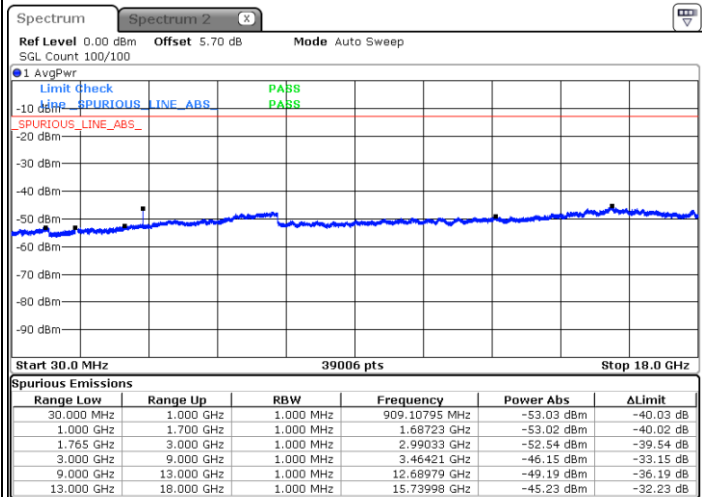
Conducted Spurious Emission

LTE Band 4 / 1.4MHz

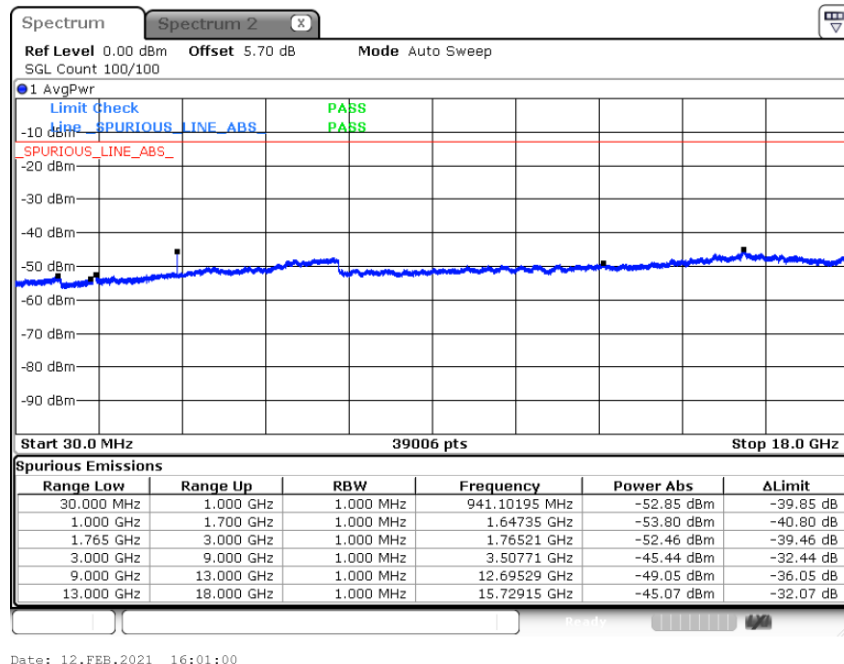
Lowest Channel / QPSK



Middle Channel / QPSK



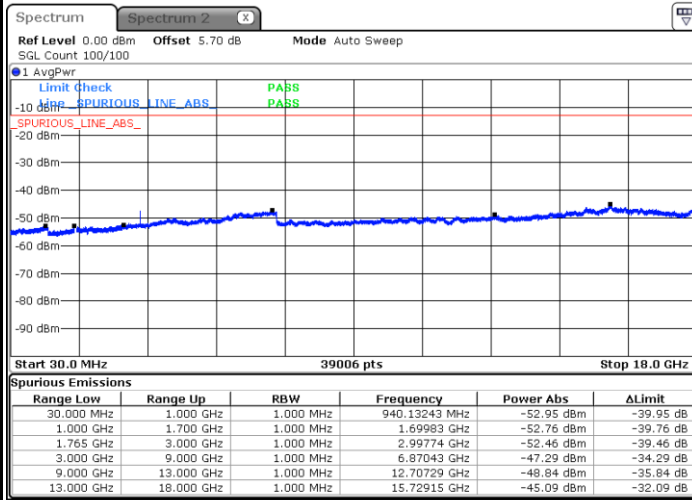
Highest Channel / QPSK





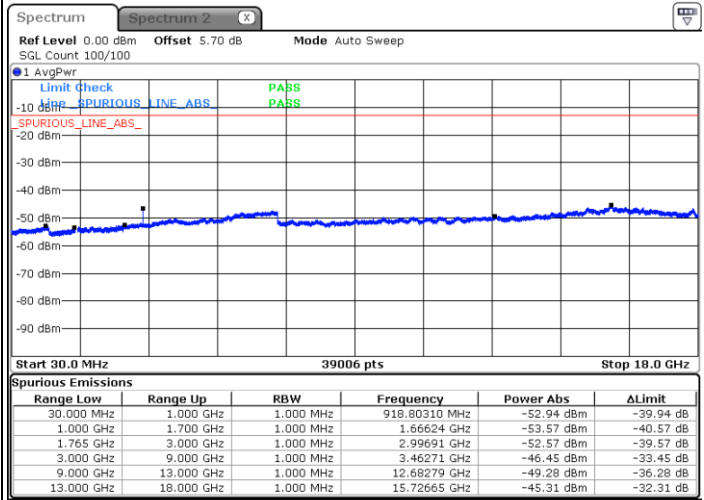
LTE Band 4 / 3MHz

Lowest Channel / QPSK



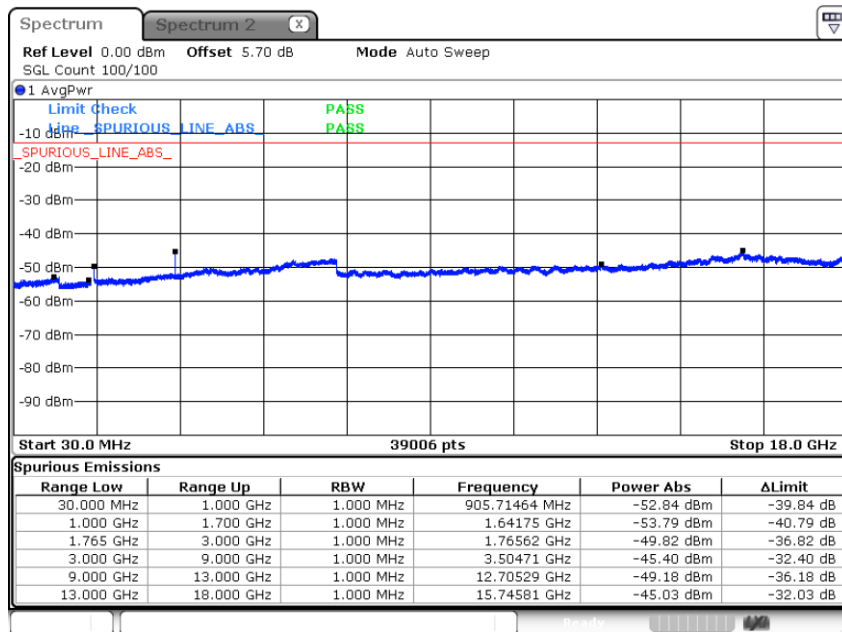
Date: 12.FEB.2021 16:03:36

Middle Channel / QPSK



Date: 12.FEB.2021 16:04:38

Highest Channel / QPSK

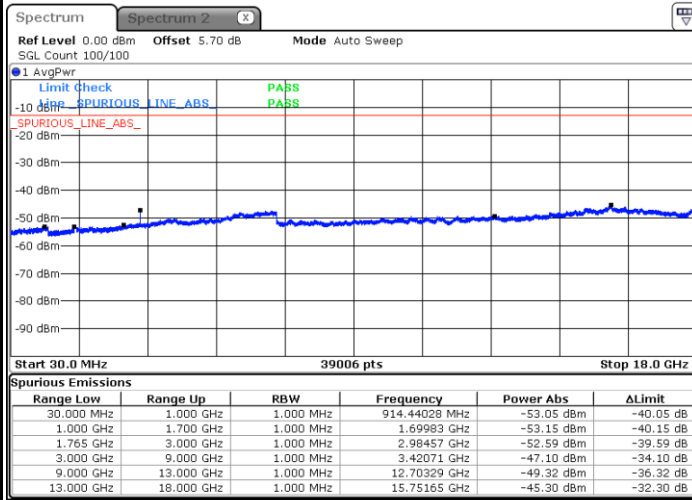


Date: 12.FEB.2021 16:05:43



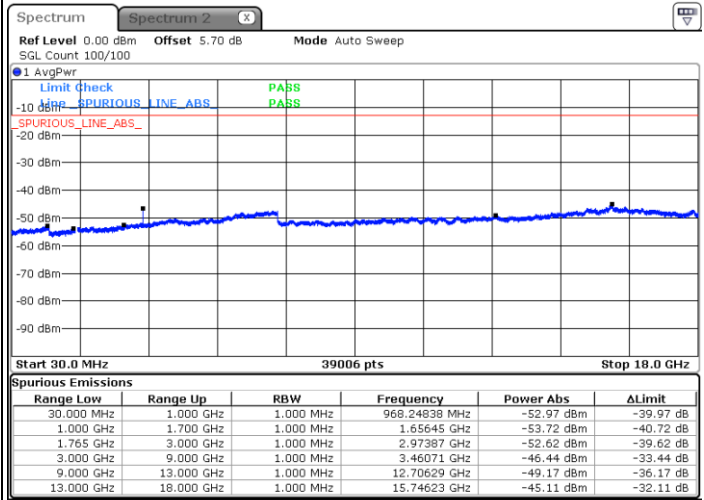
LTE Band 4 / 5MHz

Lowest Channel / QPSK



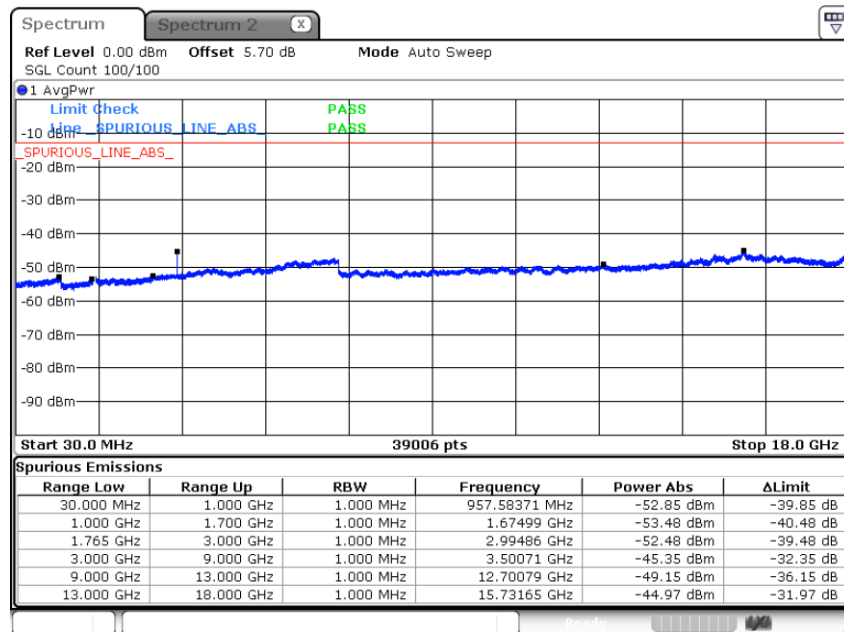
Date: 12.FEB.2021 16:06:59

Middle Channel / QPSK



Date: 12.FEB.2021 16:07:58

Highest Channel / QPSK

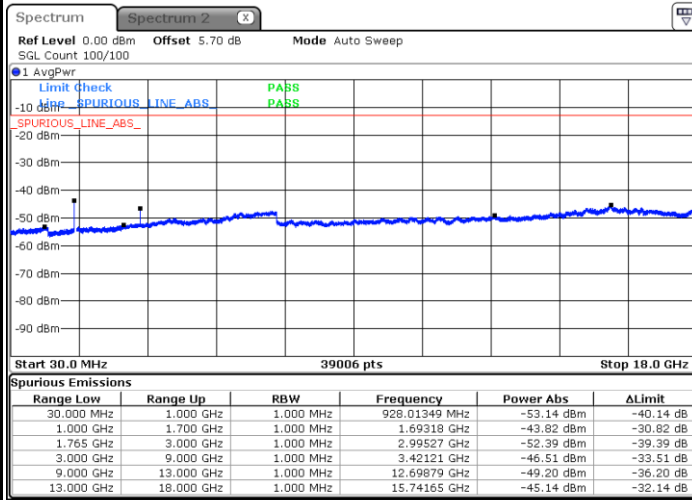


Date: 12.FEB.2021 16:08:45



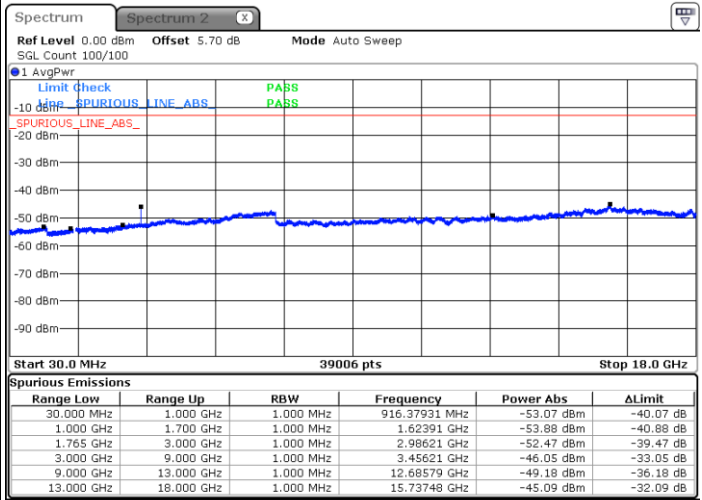
LTE Band 4 / 10MHz

Lowest Channel / QPSK



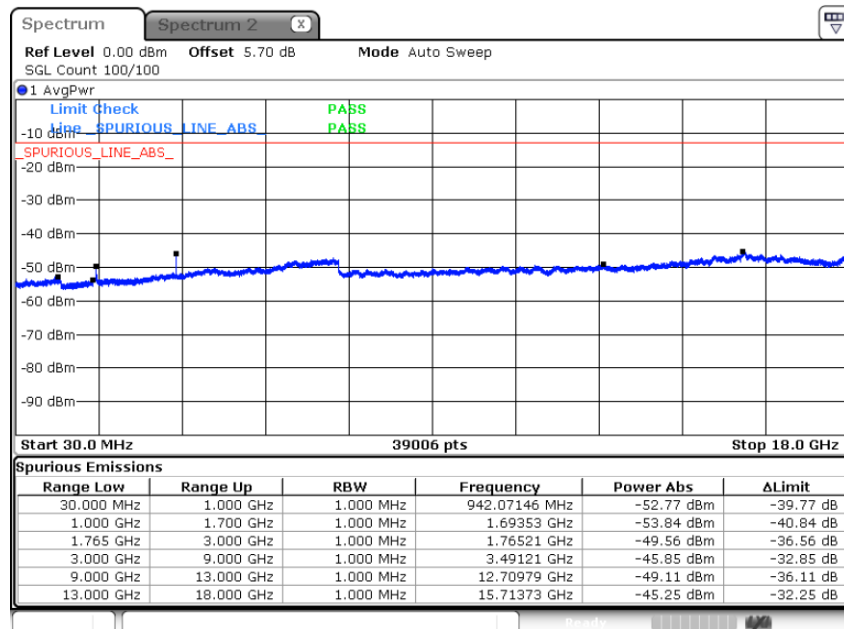
Date: 12.FEB.2021 16:10:13

Middle Channel / QPSK



Date: 12.FEB.2021 16:11:11

Highest Channel / QPSK



Date: 12.FEB.2021 16:12:07