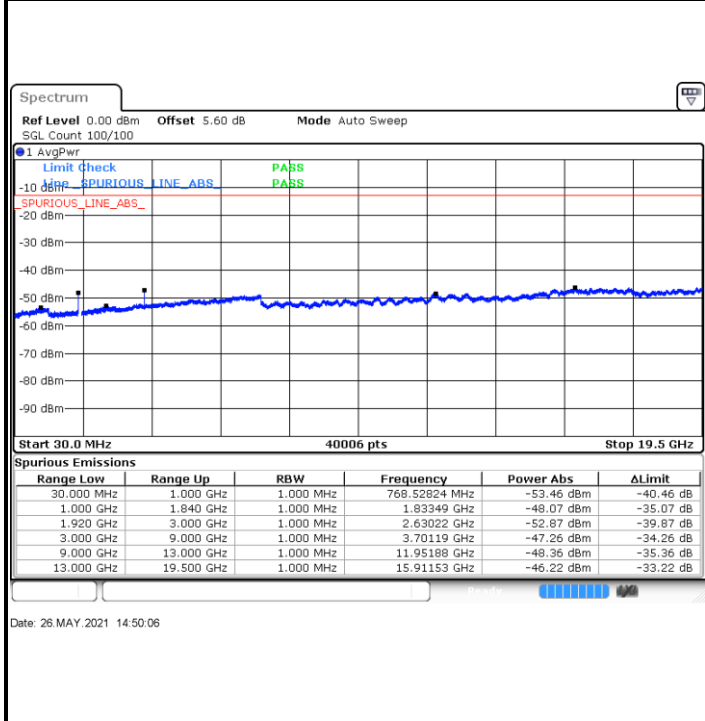


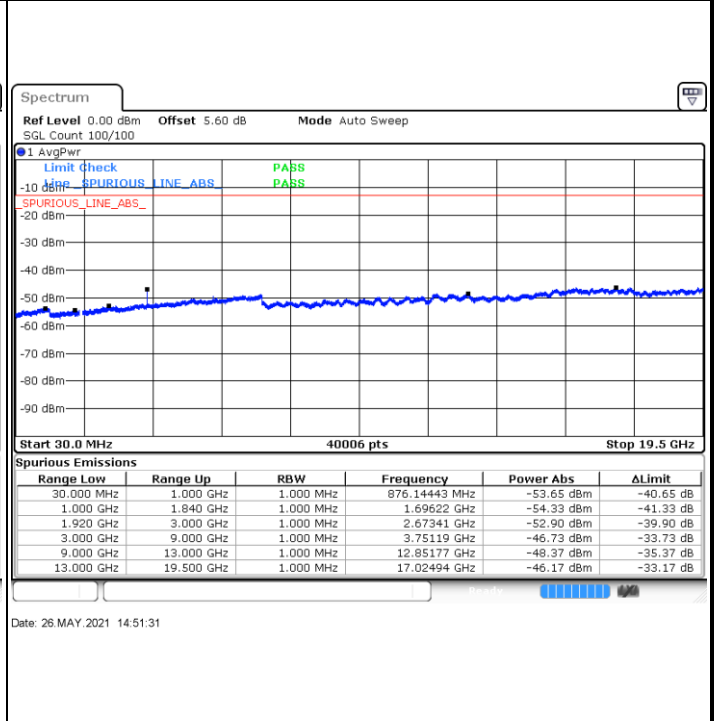


**LTE Band 2 / 10MHz**

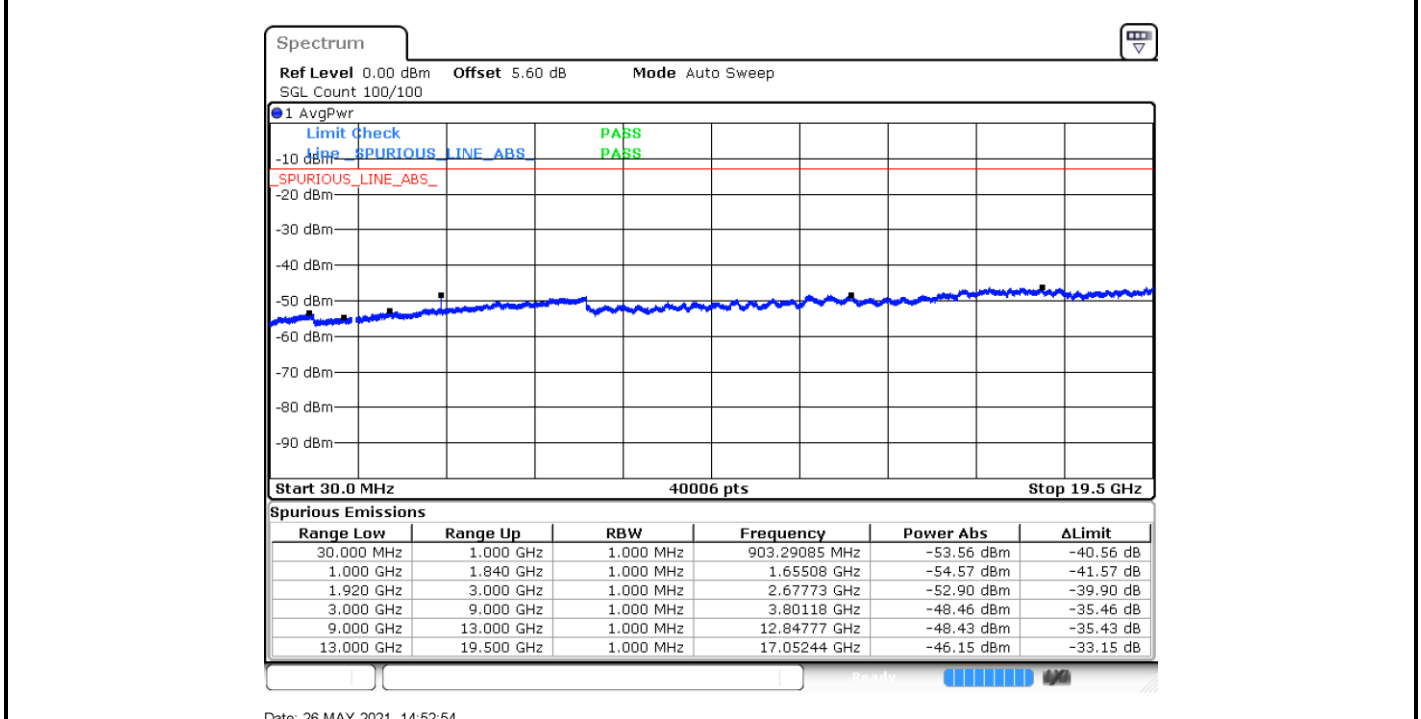
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



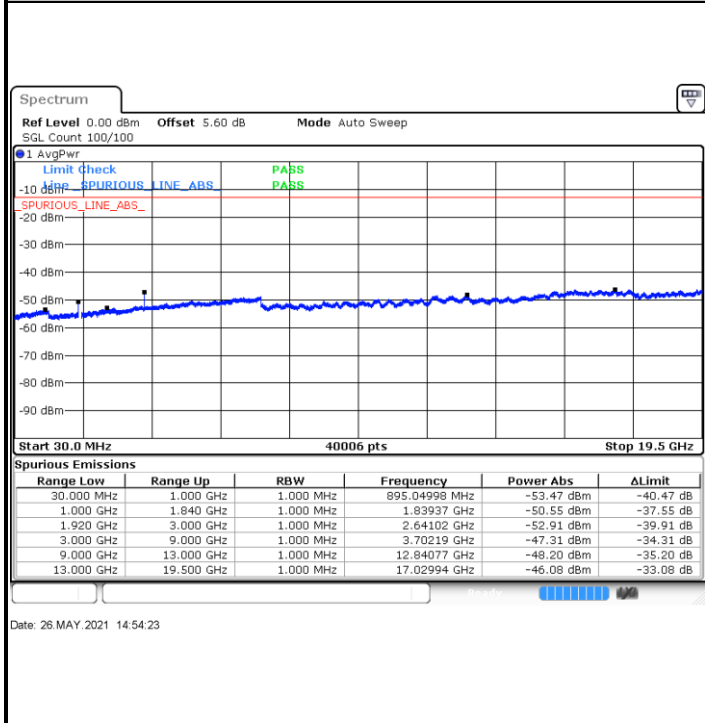
**Highest Channel / QPSK**



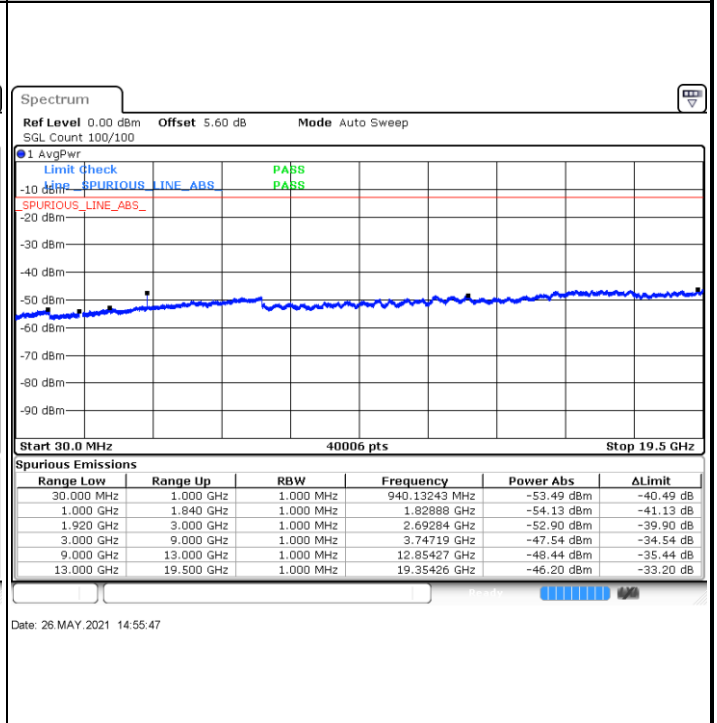


**LTE Band 2 / 15MHz**

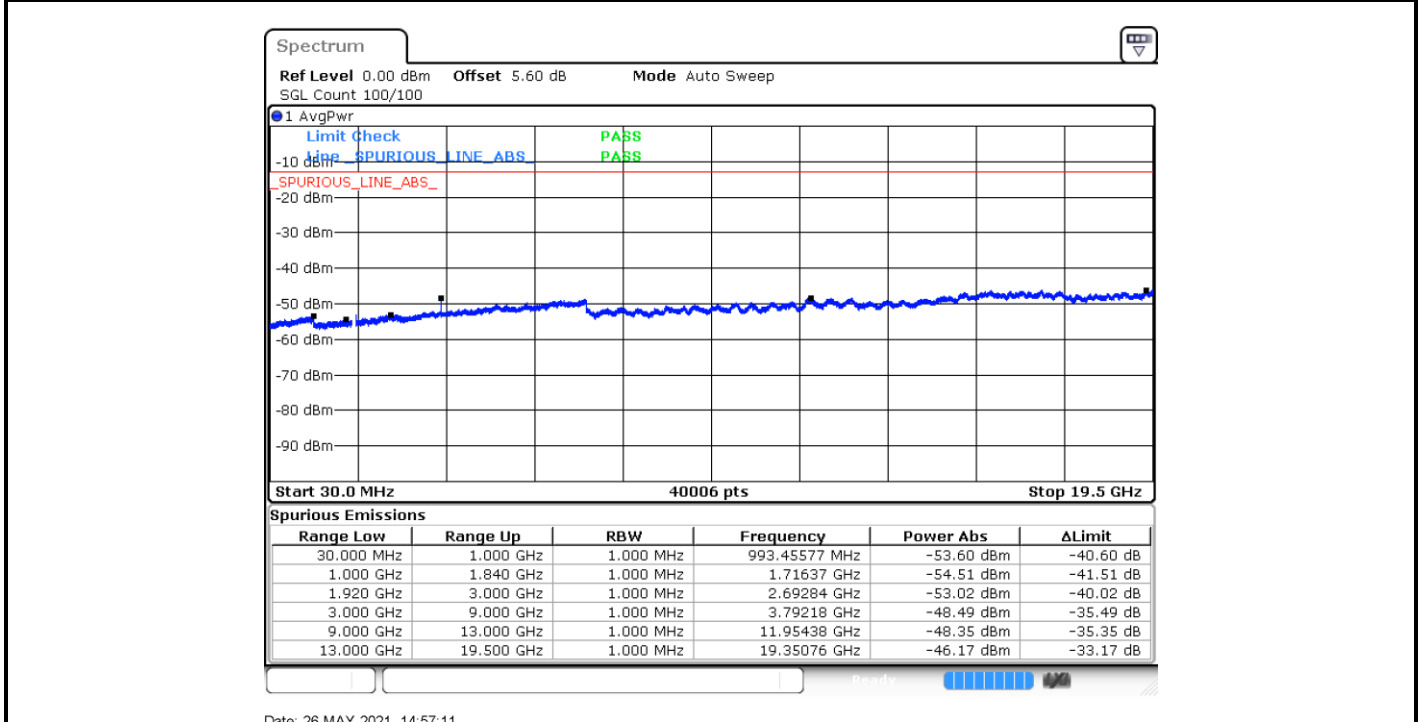
**Lowest Channel / QPSK**



**Middle Channel / QPSK**

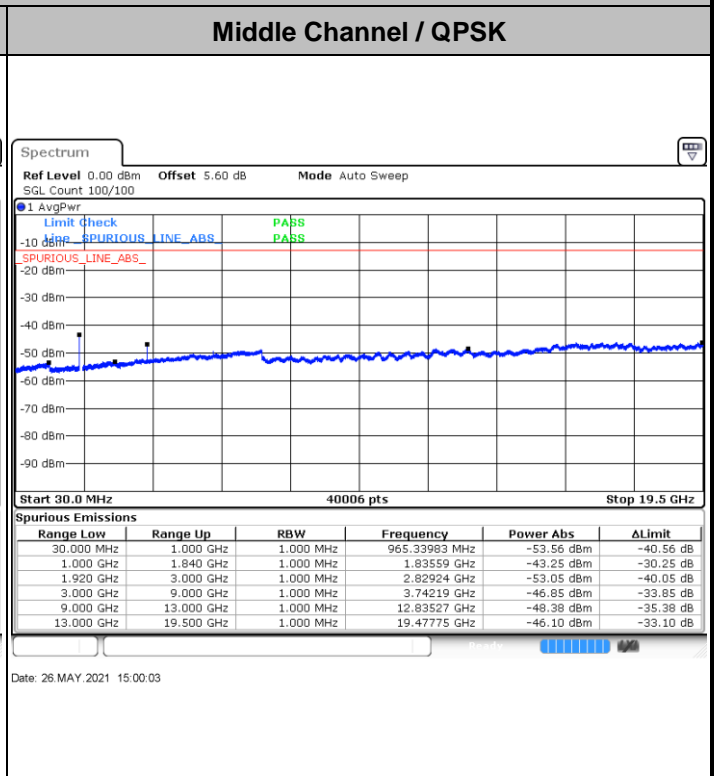
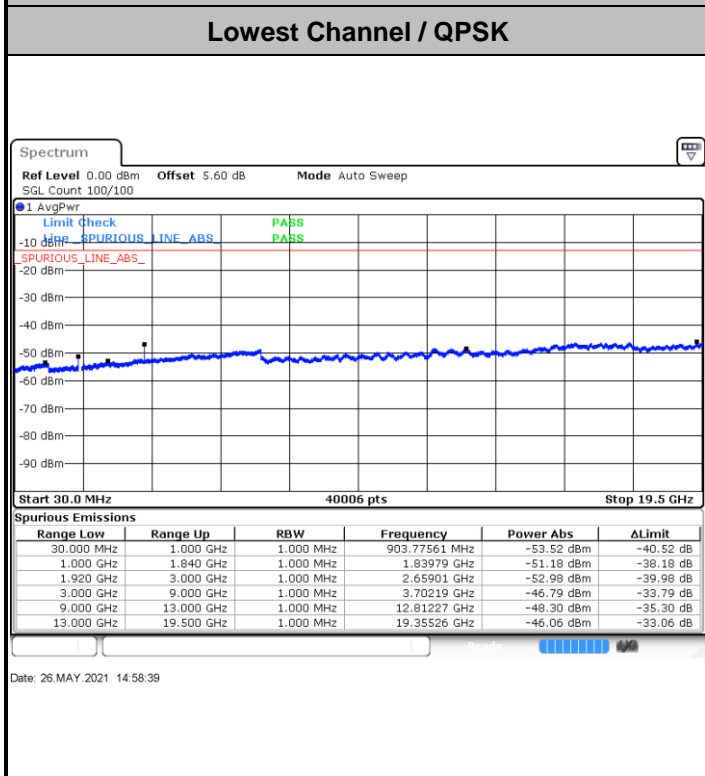


**Highest Channel / QPSK**

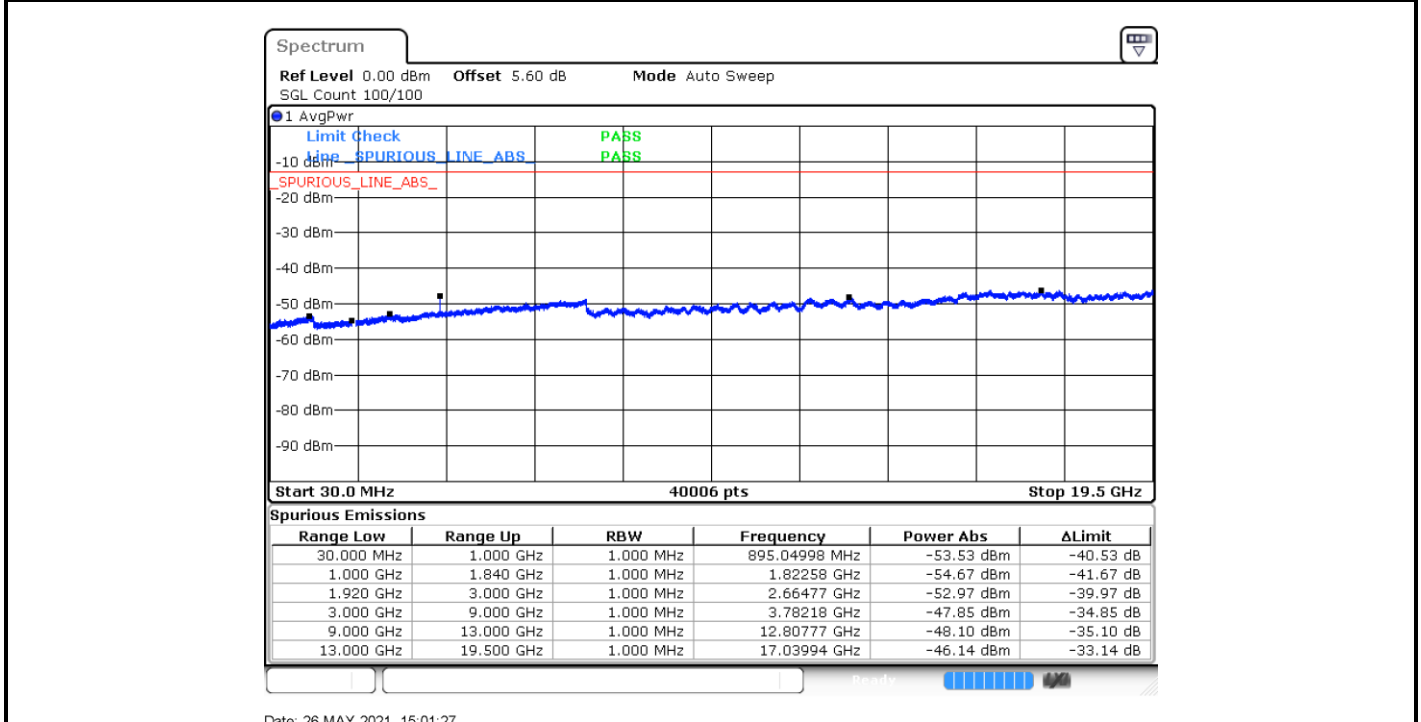




**LTE Band 2 / 20MHz**



**Highest Channel / QPSK**





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	0.0004	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0012	

Note:

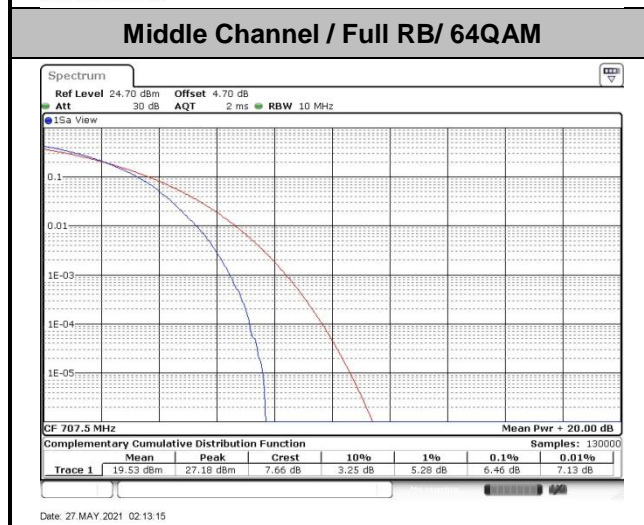
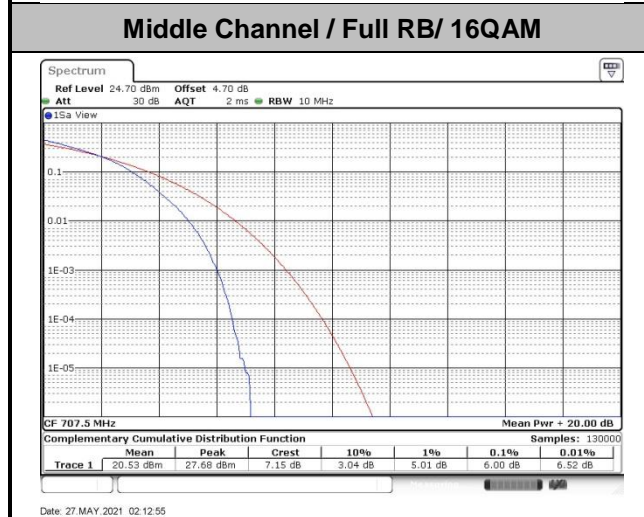
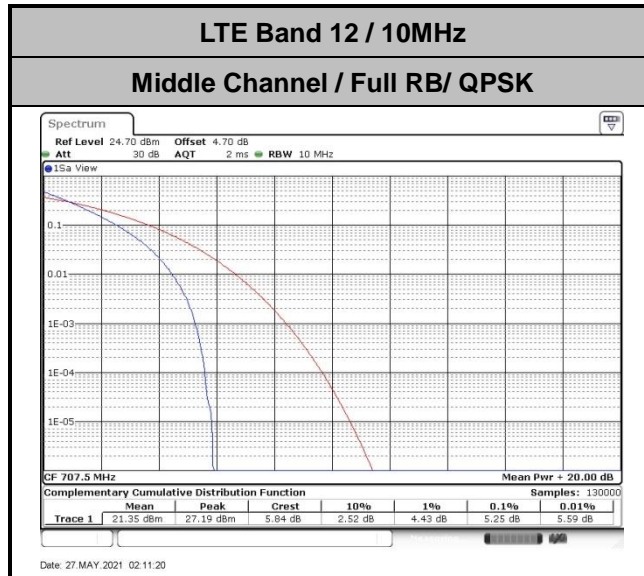
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 12

### Peak-to-Average Ratio

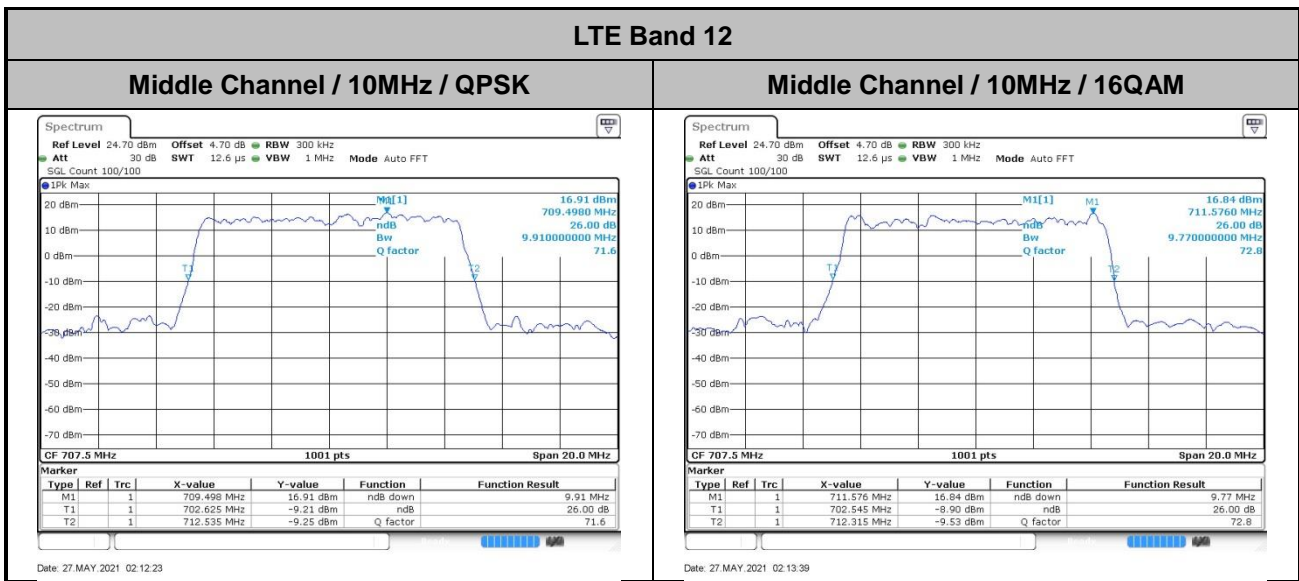
Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.25	6.00	6.46	<b>PASS</b>





## 26dB Bandwidth

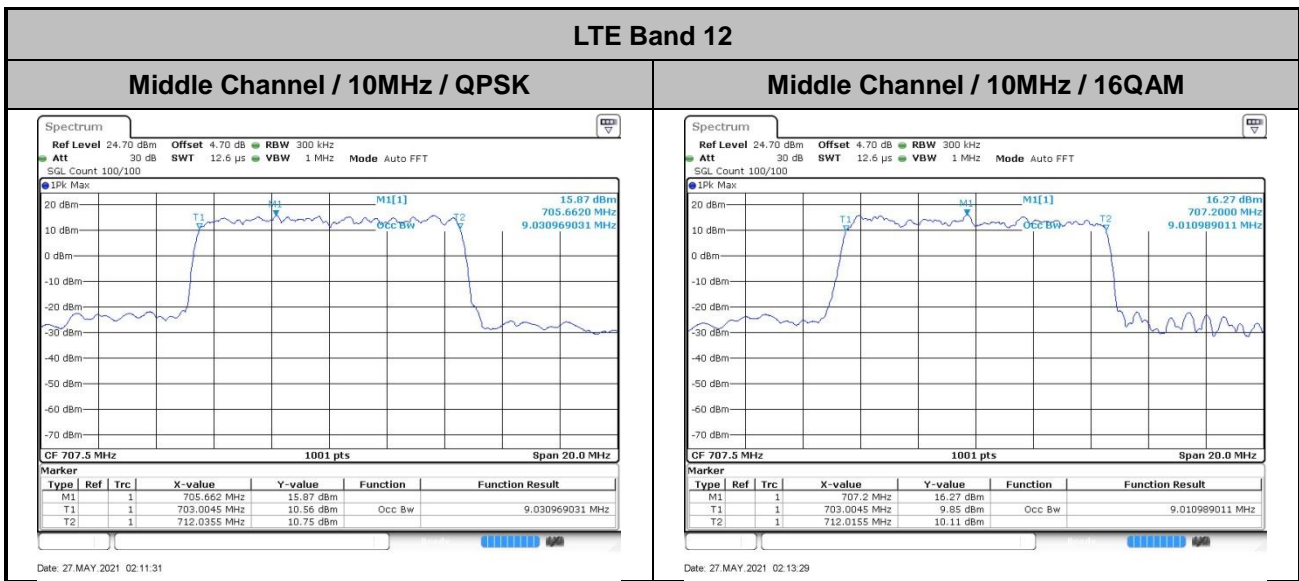
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.91	9.77





## Occupied Bandwidth

<b>Mode</b>	<b>LTE Band 12 : 99%OBW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.03	9.01





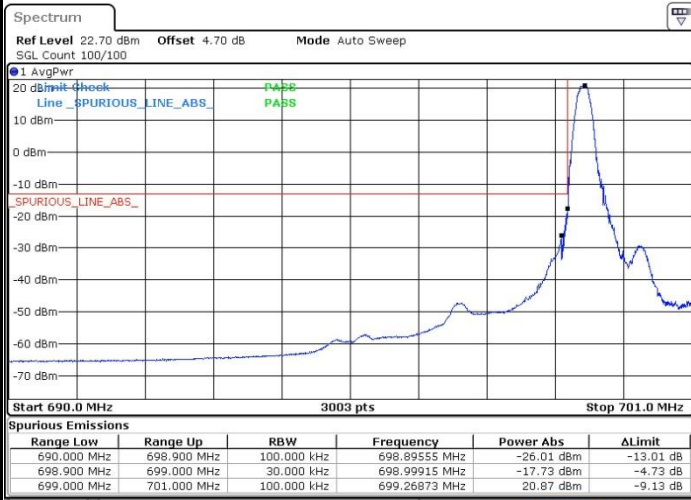


**Conducted Band Edge**



LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



Date: 27.MAY.2021 00:27:36

Highest Band Edge / 1RB



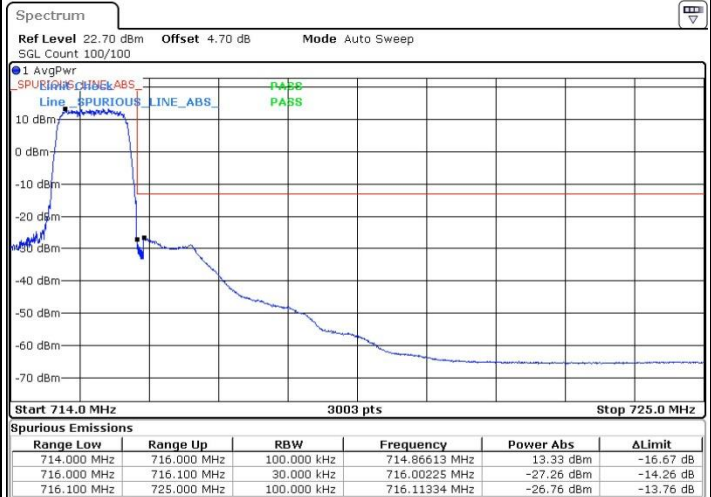
Date: 27.MAY.2021 00:33:16

Lowest Band Edge / Full RB



Date: 27.MAY.2021 00:28:44

Highest Band Edge / Full RB

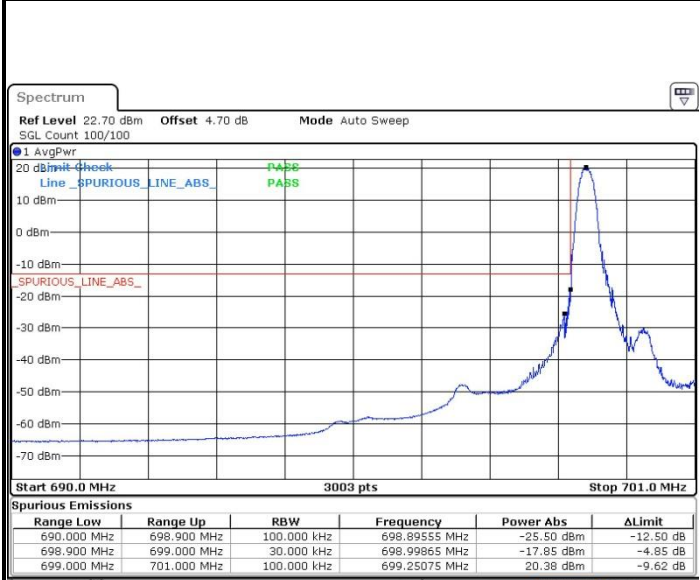


Date: 27.MAY.2021 00:32:08



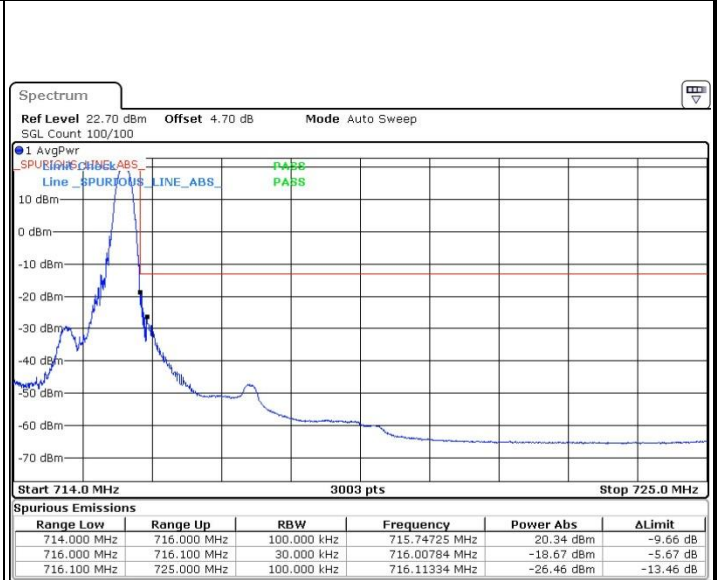
**LTE Band 12 / 1.4MHz / 16QAM**

**Lowest Band Edge / 1 RB**



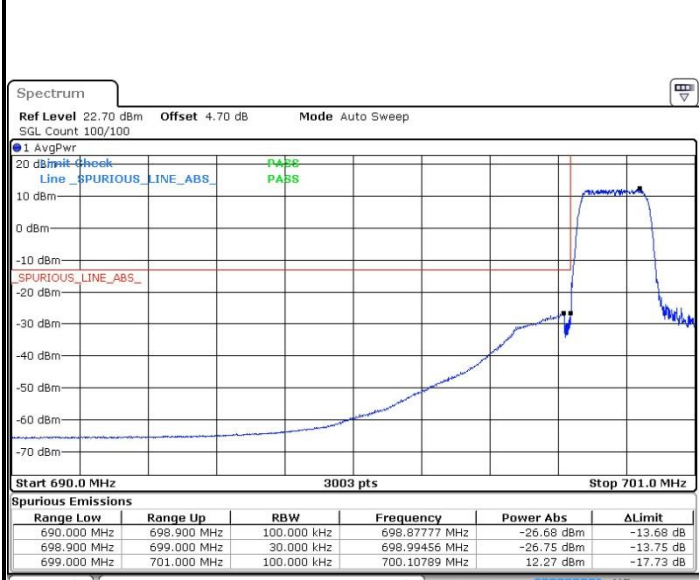
Date: 27.MAY.2021 00:28:28

**Highest Band Edge / 1 RB**



Date: 27.MAY.2021 00:34:24

**Lowest Band Edge / Full RB**



Date: 27.MAY.2021 00:29:52

**Highest Band Edge / Full RB**



Date: 27.MAY.2021 00:31:00



LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



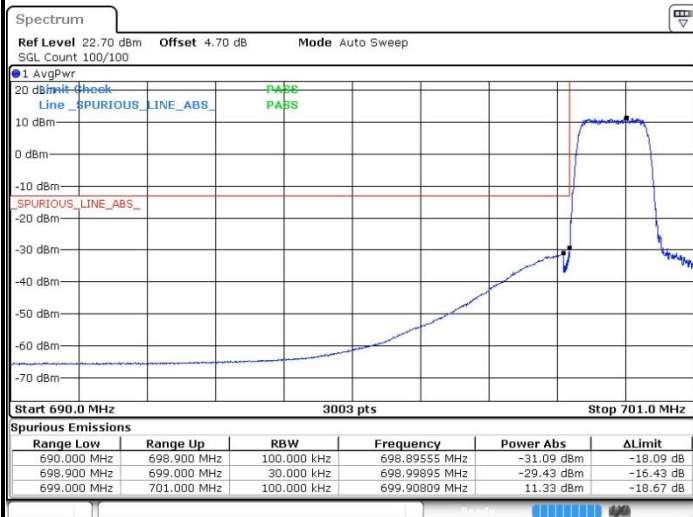
Date: 27.MAY.2021 01:17:34

Highest Band Edge / 1 RB



Date: 27.MAY.2021 01:15:18

Lowest Band Edge / Full RB



Date: 27.MAY.2021 01:18:42

Highest Band Edge / Full RB

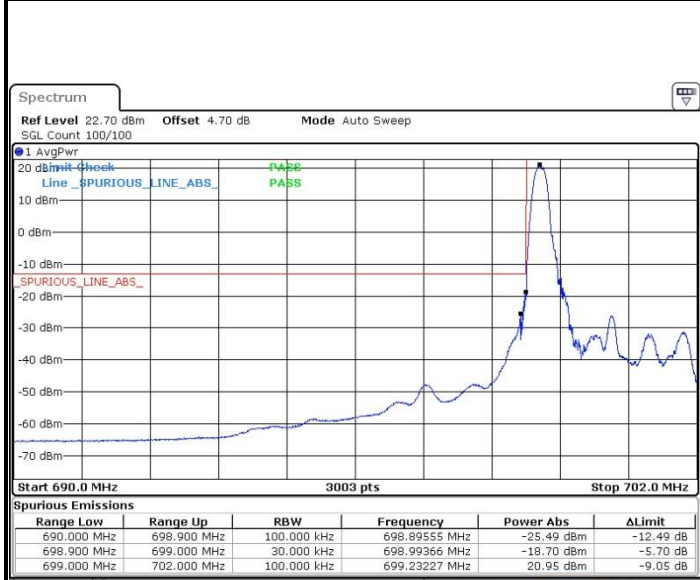


Date: 27.MAY.2021 01:16:26



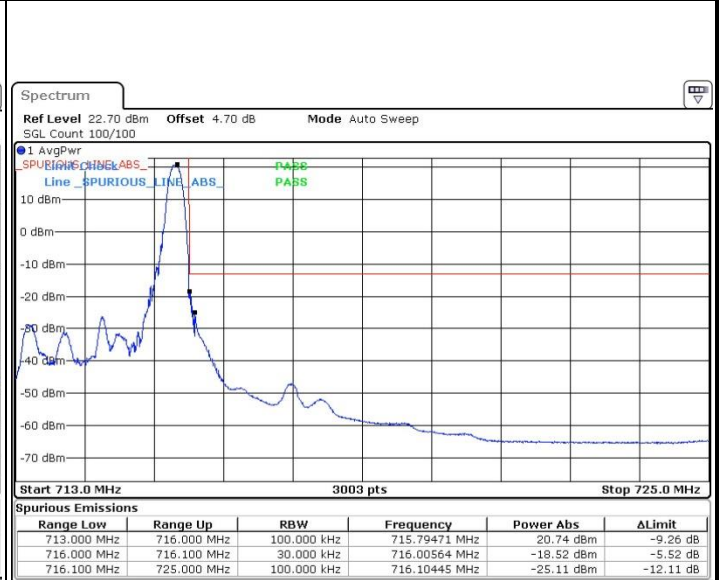
**LTE Band 12 / 3MHz / QPSK**

**Lowest Band Edge / 1RB**



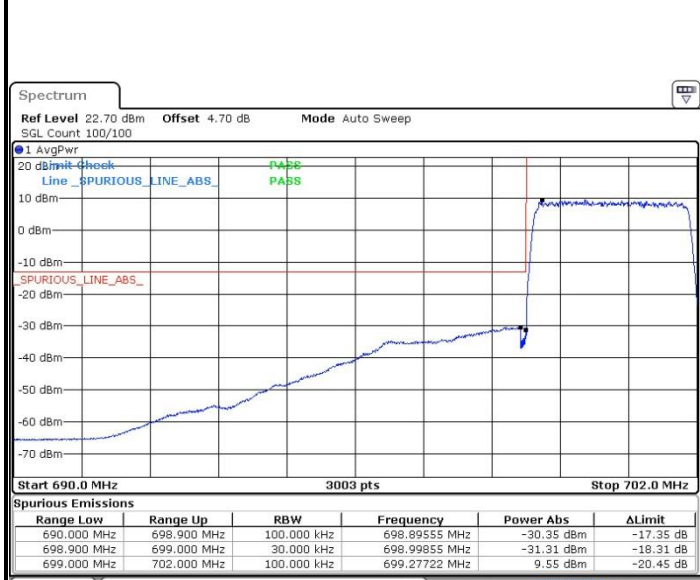
Date: 27.MAY.2021 00:40:29

**Highest Band Edge / 1 RB**



Date: 27.MAY.2021 00:46:09

**Lowest Band Edge / Full RB**



Date: 27.MAY.2021 00:41:38

**Highest Band Edge / Full RB**



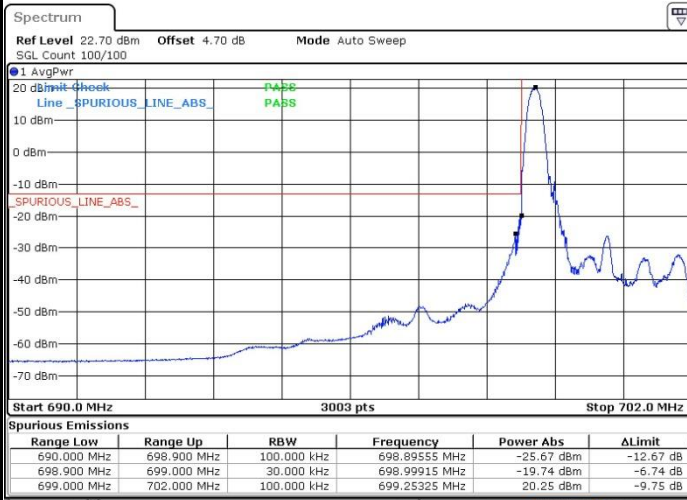
Date: 27.MAY.2021 00:45:01





LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 27.MAY.2021 00:39:22

Highest Band Edge / 1 RB



Date: 27.MAY.2021 00:47:17

Lowest Band Edge / Full RB



Date: 27.MAY.2021 00:42:46

Highest Band Edge / Full RB

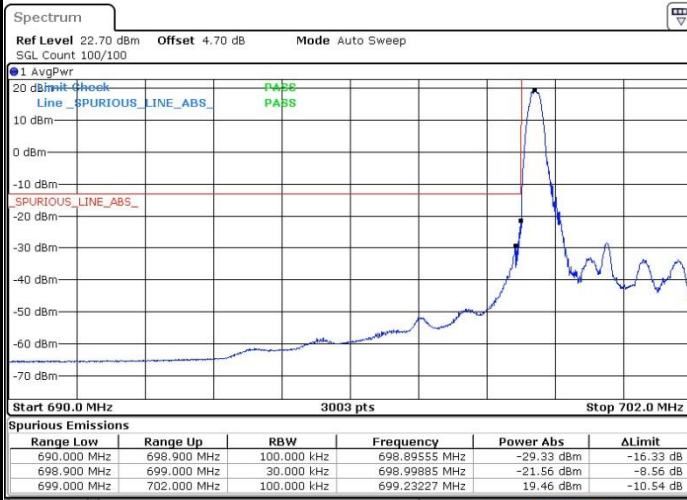


Date: 27.MAY.2021 00:43:54



LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 27.MAY.2021 01:56:51

Highest Band Edge / 1 RB



Date: 27.MAY.2021 02:00:15

Lowest Band Edge / Full RB



Date: 27.MAY.2021 01:57:59

Highest Band Edge / Full RB

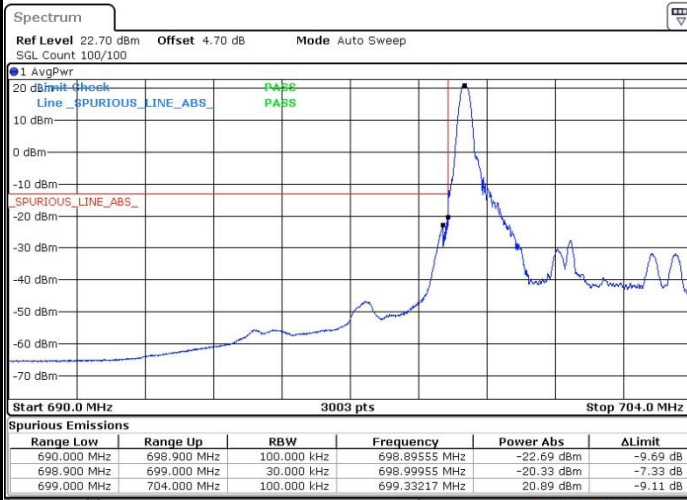


Date: 27.MAY.2021 01:58:07



LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 27.MAY.2021 00:55:36

Highest Band Edge / 1 RB



Date: 27.MAY.2021 01:01:16

Lowest Band Edge / Full RB



Date: 27.MAY.2021 00:56:44

Highest Band Edge / Full RB



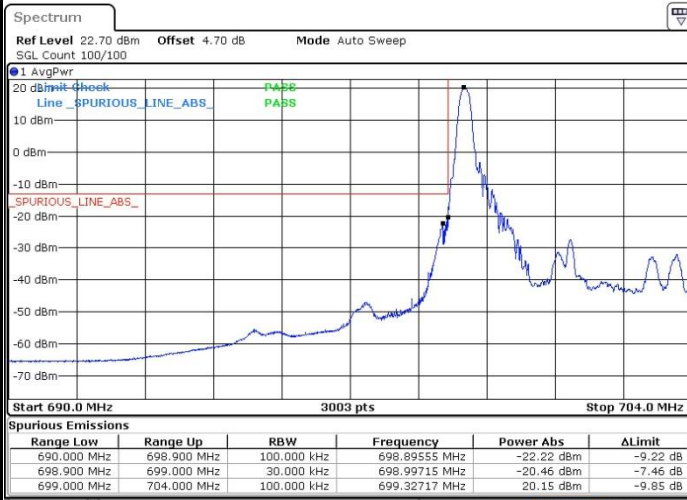
Date: 27.MAY.2021 01:00:08





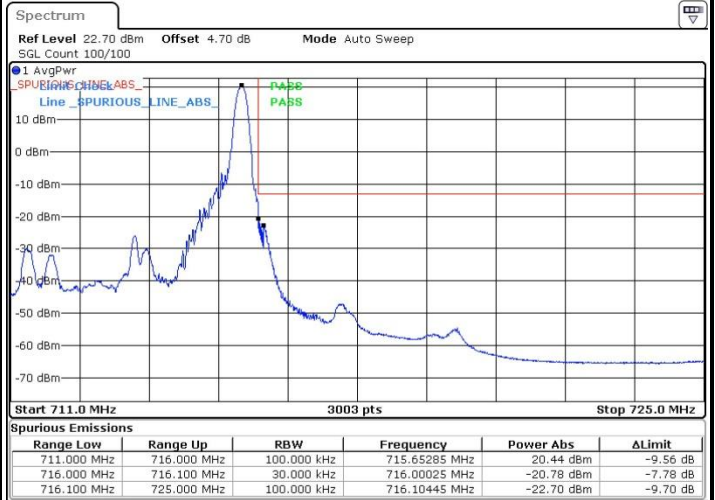
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 27.MAY.2021 00:54:28

Highest Band Edge / 1 RB



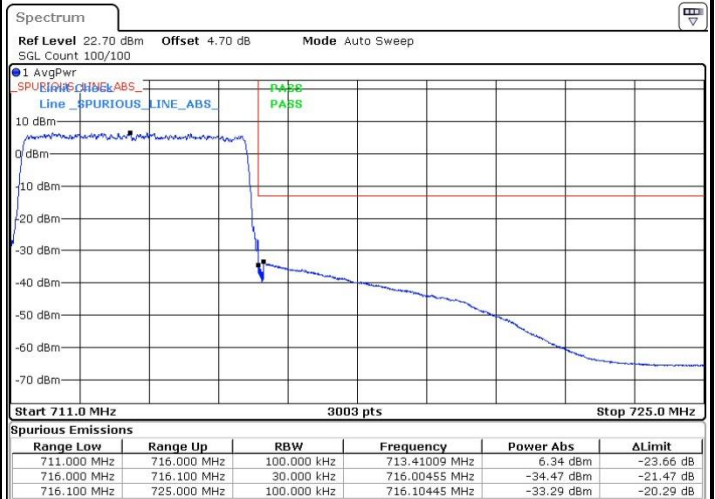
Date: 27.MAY.2021 01:02:23

Lowest Band Edge / Full RB



Date: 27.MAY.2021 00:57:52

Highest Band Edge / Full RB

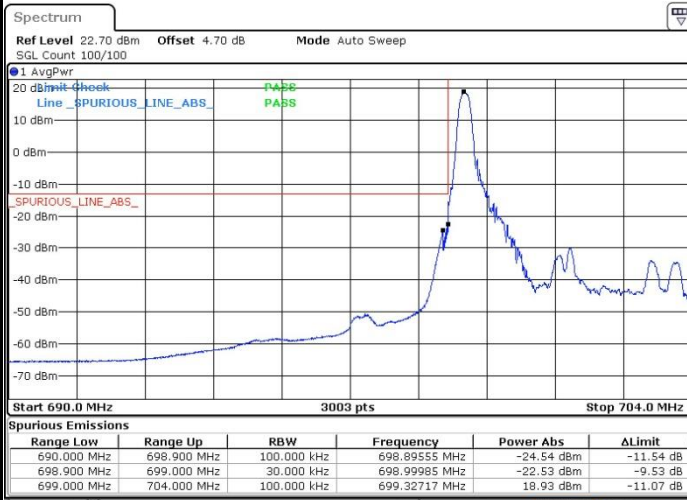


Date: 27.MAY.2021 00:58:00



LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Date: 27.MAY.2021 02:03:58

Highest Band Edge / 1 RB



Date: 27.MAY.2021 02:02:50

Lowest Band Edge / Full RB



Date: 27.MAY.2021 02:05:06

Highest Band Edge / Full RB

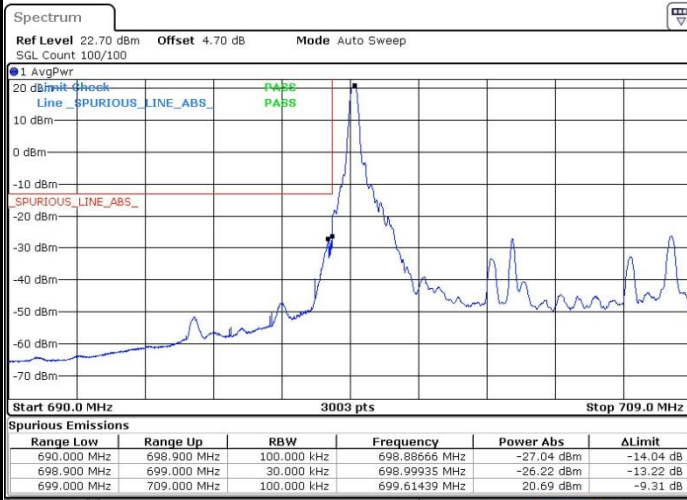


Date: 27.MAY.2021 02:01:42



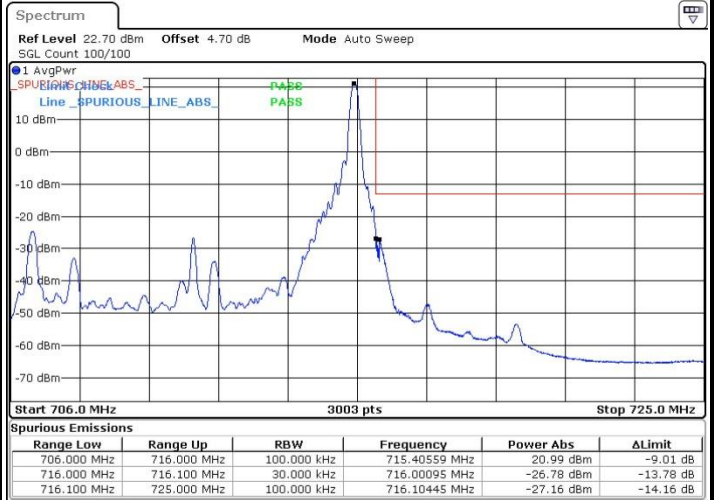
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



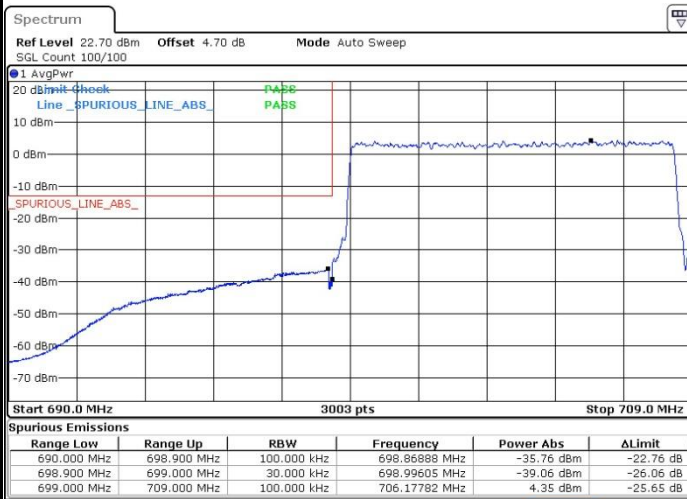
Date: 27.MAY.2021 01:07:22

Highest Band Edge / 1 RB



Date: 27.MAY.2021 01:13:02

Lowest Band Edge / Full RB



Date: 27.MAY.2021 01:08:30

Highest Band Edge / Full RB

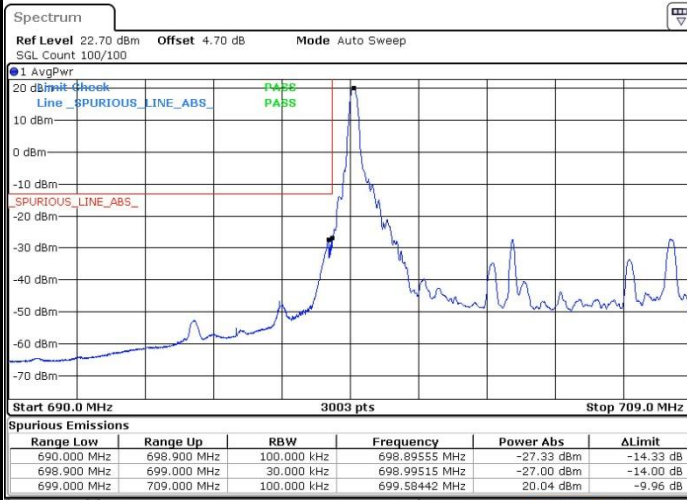


Date: 27.MAY.2021 01:11:54



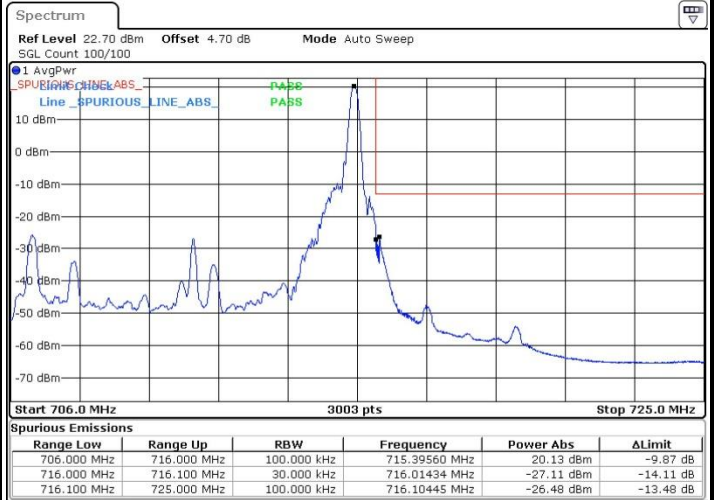
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



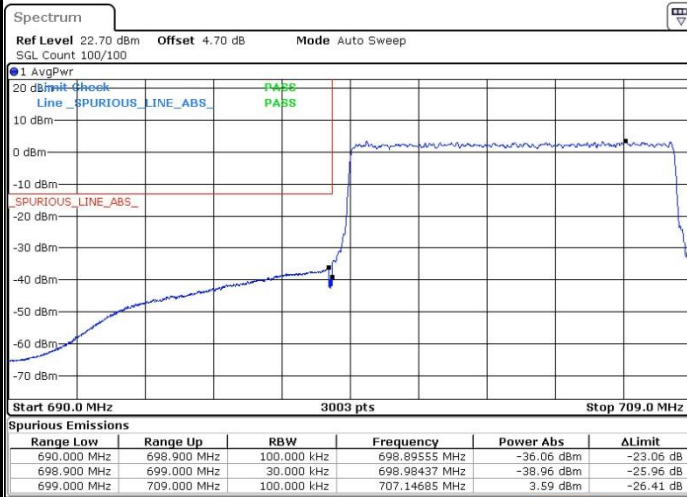
Date: 27.MAY.2021 01:06:14

Highest Band Edge / 1 RB



Date: 27.MAY.2021 01:14:10

Lowest Band Edge / Full RB



Date: 27.MAY.2021 01:09:38

Highest Band Edge / Full RB



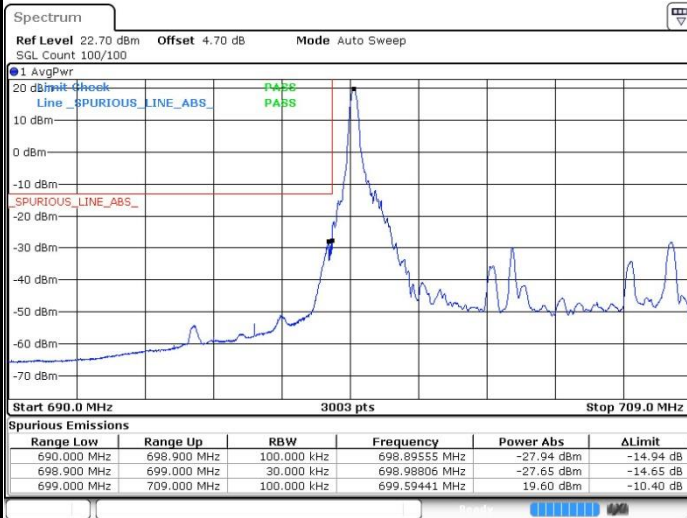
Date: 27.MAY.2021 01:10:46





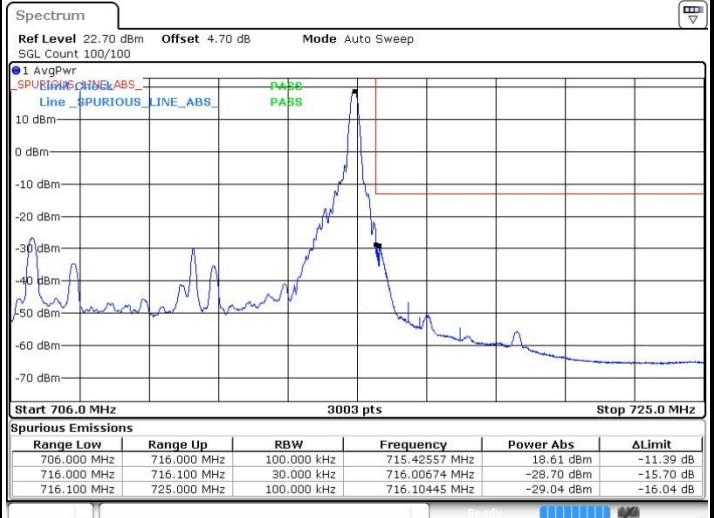
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



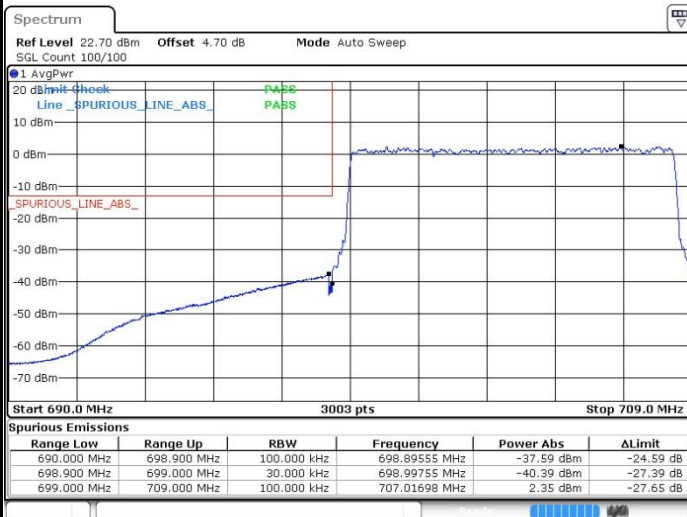
Date: 27.MAY.2021 02:08:44

Highest Band Edge / 1 RB



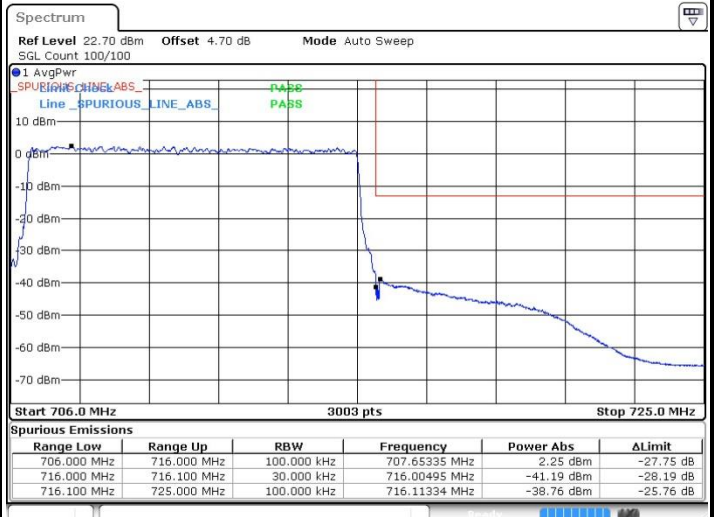
Date: 27.MAY.2021 02:07:36

Lowest Band Edge / Full RB



Date: 27.MAY.2021 02:09:52

Highest Band Edge / Full RB



Date: 27.MAY.2021 02:06:28

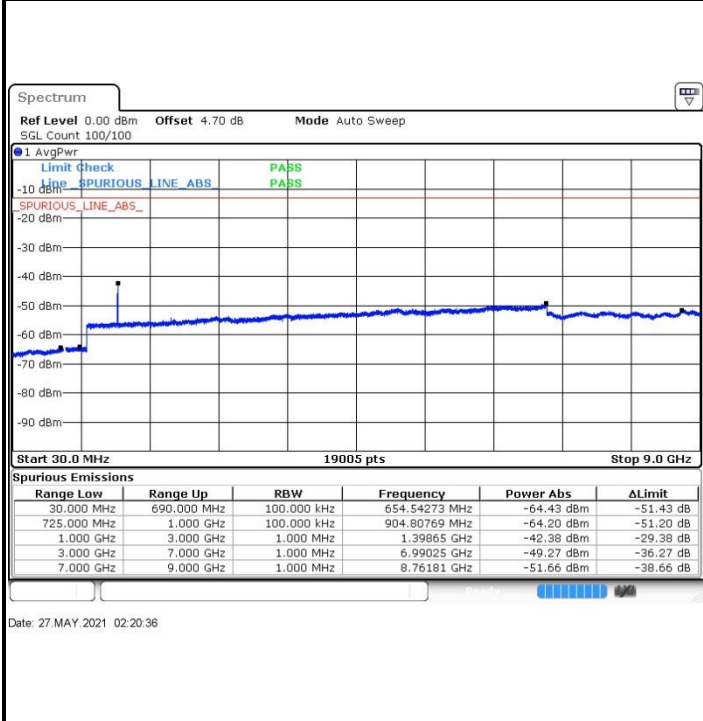


**Conducted Spurious Emission**

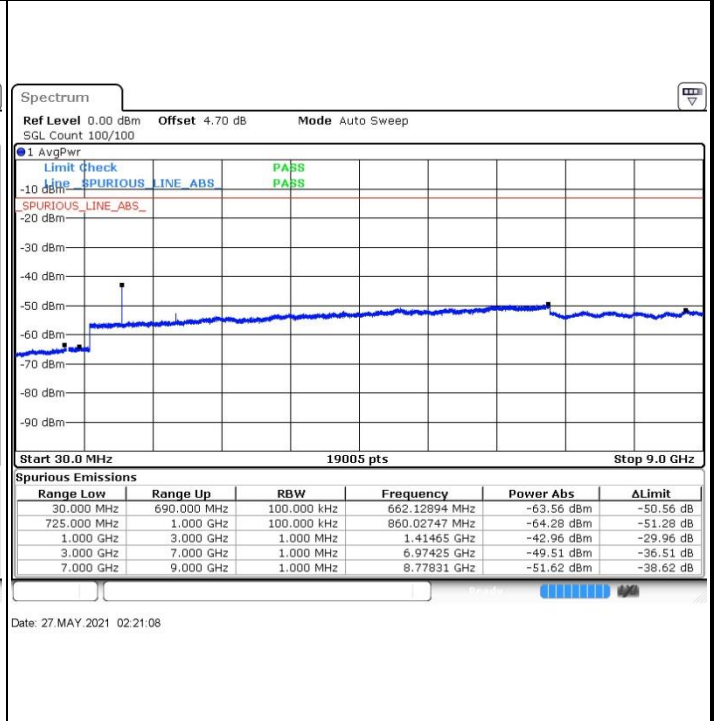


**LTE Band 12 / 1.4MHz**

**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

