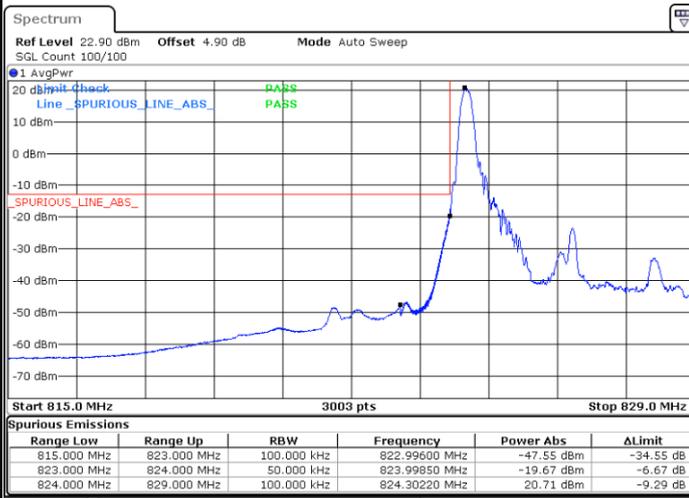




LTE Band 5 / 5MHz / 64QAM

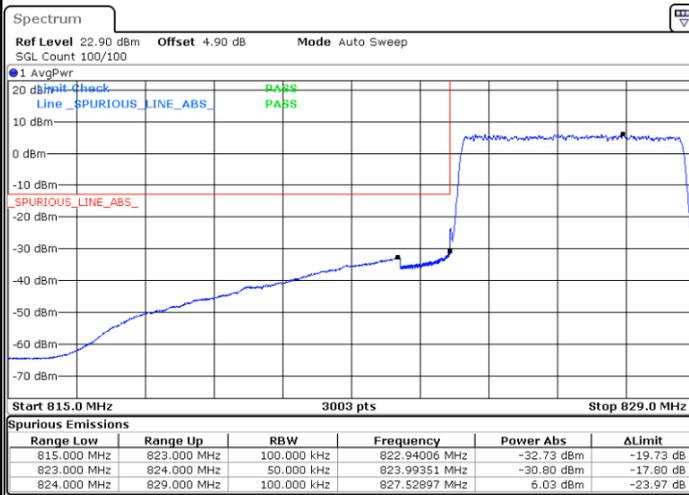
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



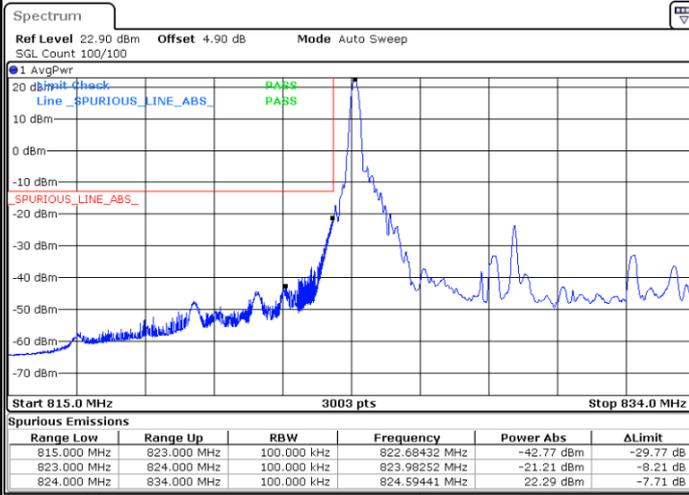
Highest Band Edge / Full RB





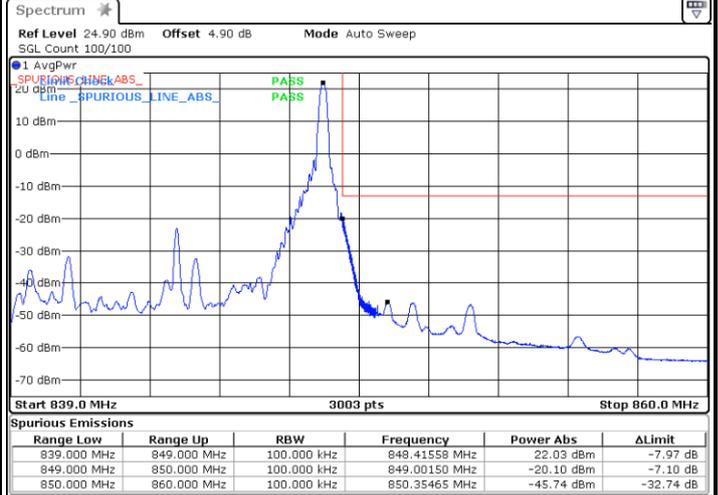
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



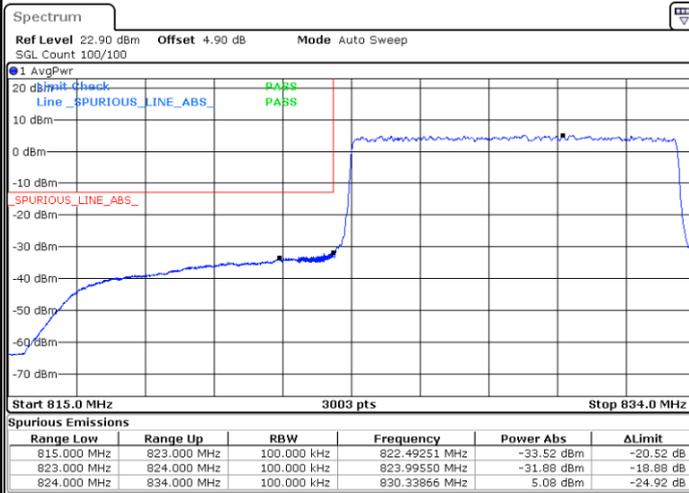
Date: 20.AUG.2021 09:29:46

Highest Band Edge / 1 RB



Date: 20.AUG.2021 09:46:40

Lowest Band Edge / Full RB



Date: 20.AUG.2021 09:30:36

Highest Band Edge / Full RB

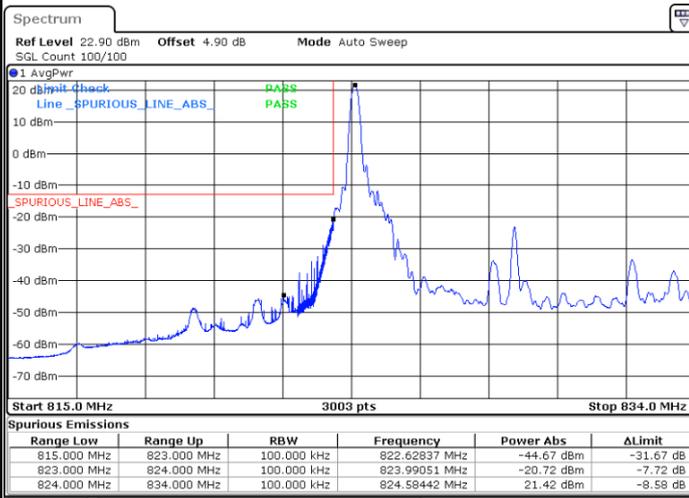


Date: 20.AUG.2021 09:47:46



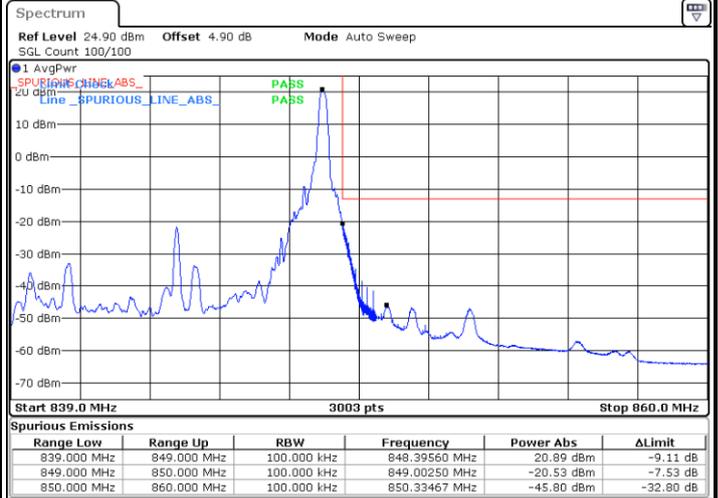
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



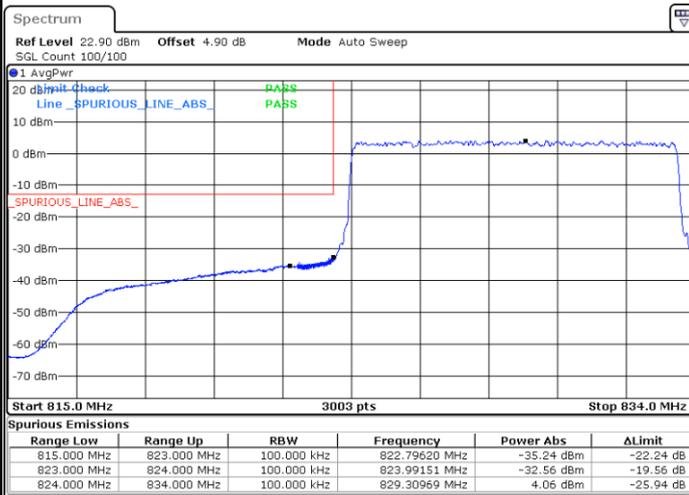
Date: 20.AUG.2021 09:32:25

Highest Band Edge / 1 RB



Date: 20.AUG.2021 09:51:55

Lowest Band Edge / Full RB



Date: 20.AUG.2021 09:31:33

Highest Band Edge / Full RB

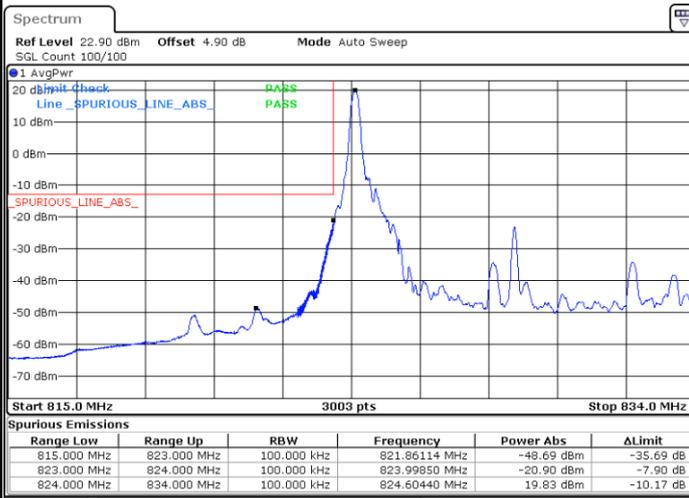


Date: 20.AUG.2021 09:49:24



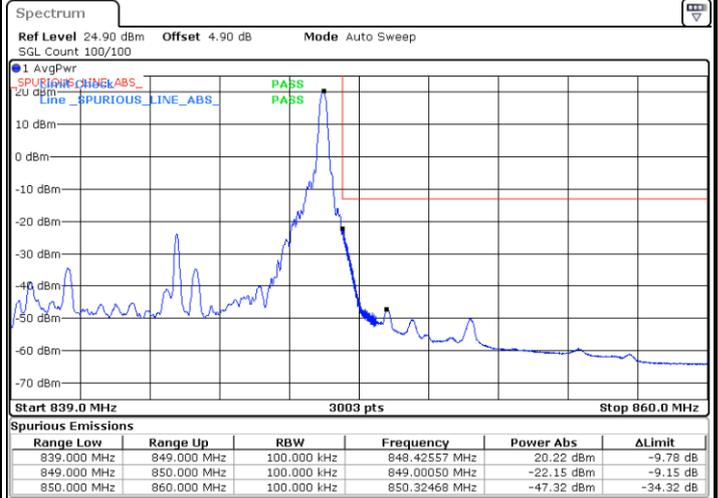
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



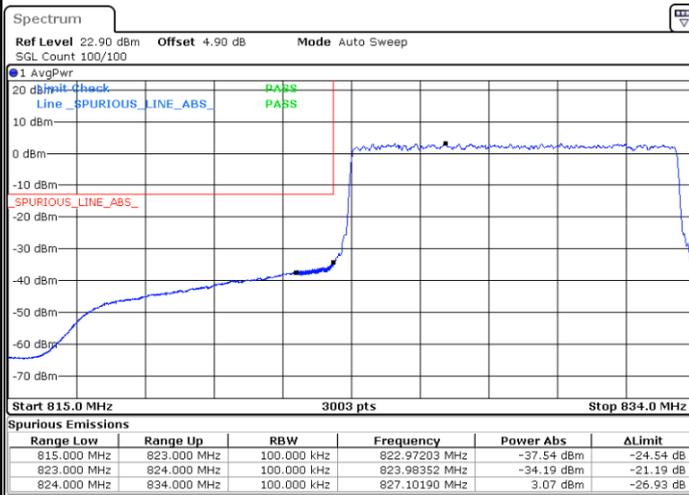
Date: 20.AUG.2021 09:33:15

Highest Band Edge / 1 RB



Date: 20.AUG.2021 09:52:47

Lowest Band Edge / Full RB



Date: 20.AUG.2021 09:34:08

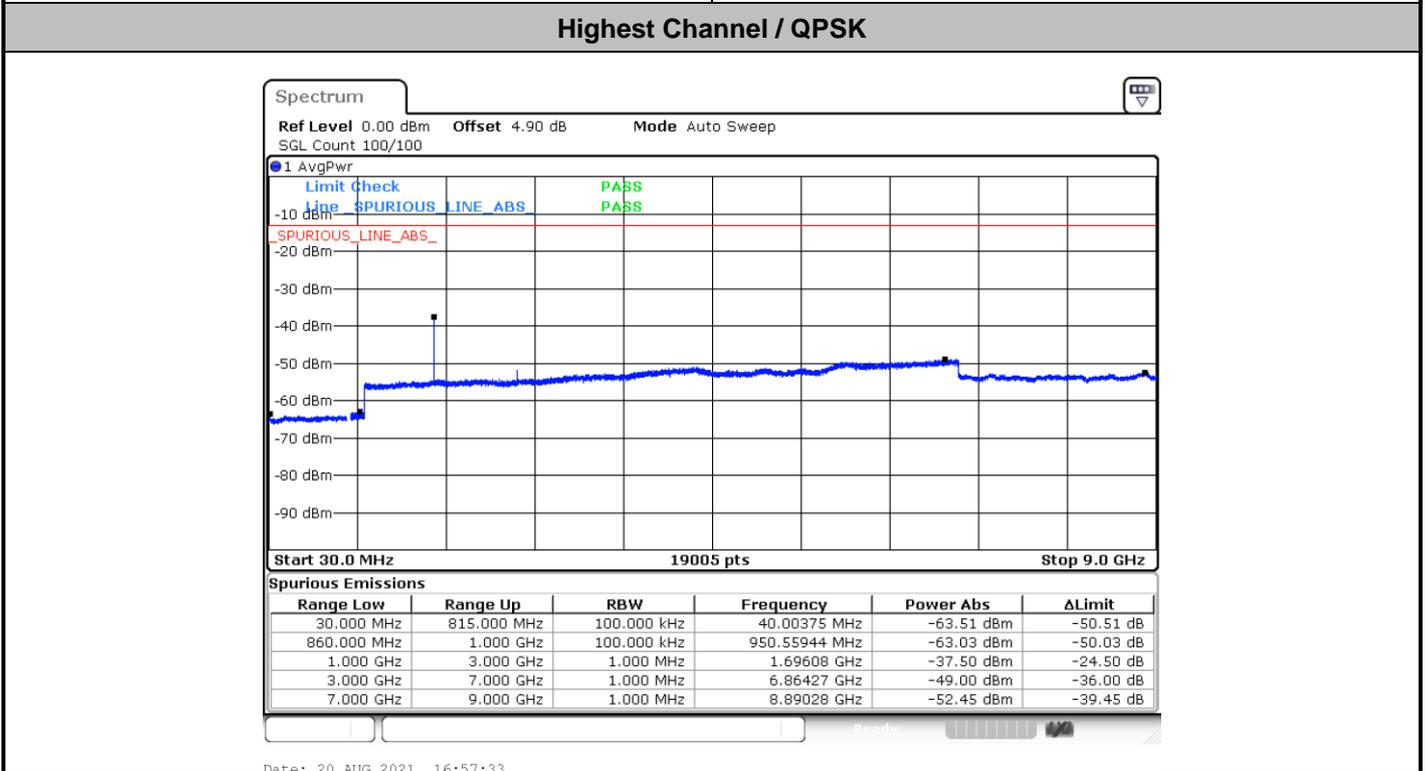
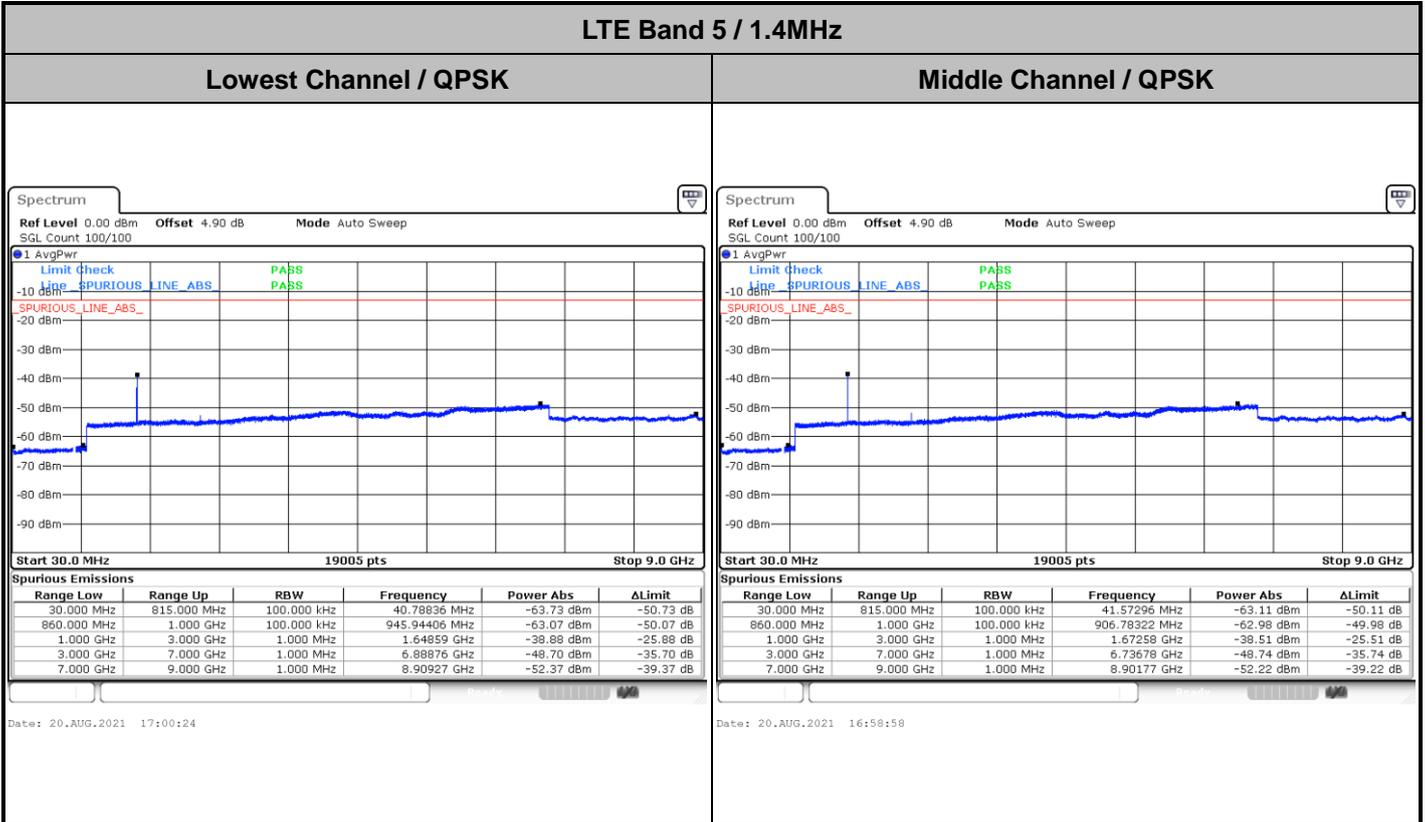
Highest Band Edge / Full RB



Date: 20.AUG.2021 09:54:03



# Conducted Spurious Emission

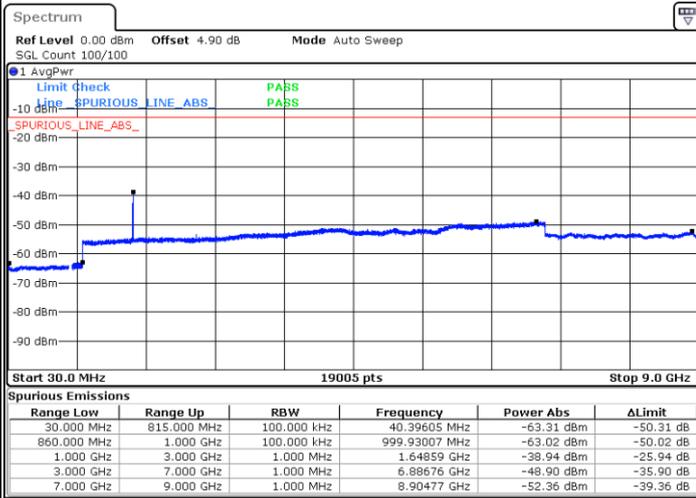




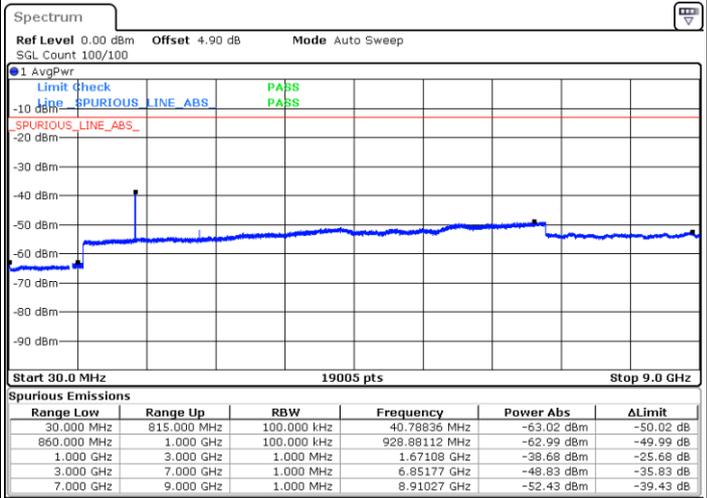
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

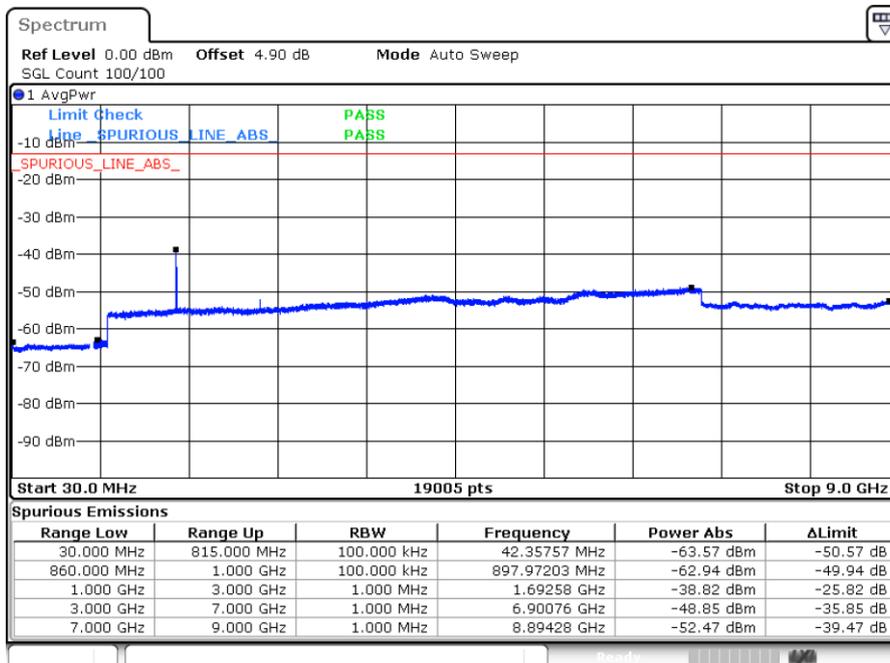


Date: 20.AUG.2021 17:29:24



Date: 20.AUG.2021 17:05:03

Highest Channel / QPSK



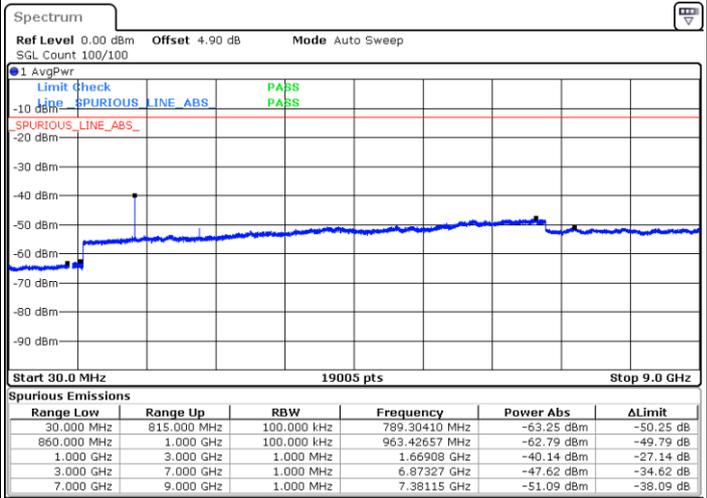
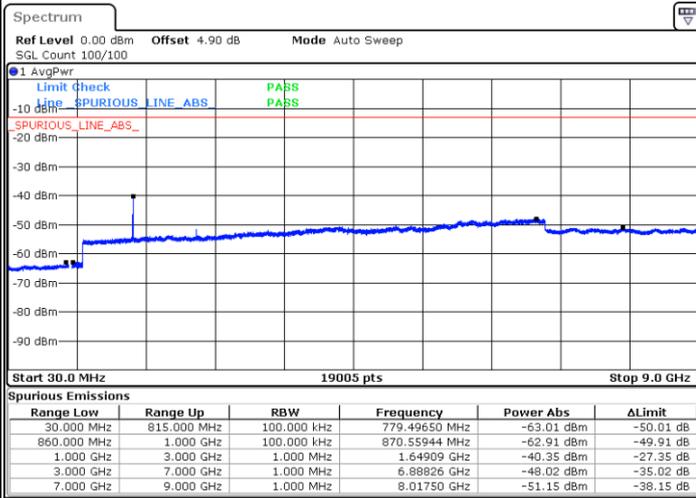
Date: 20.AUG.2021 17:06:28



LTE Band 5 / 5MHz

Lowest Channel / QPSK

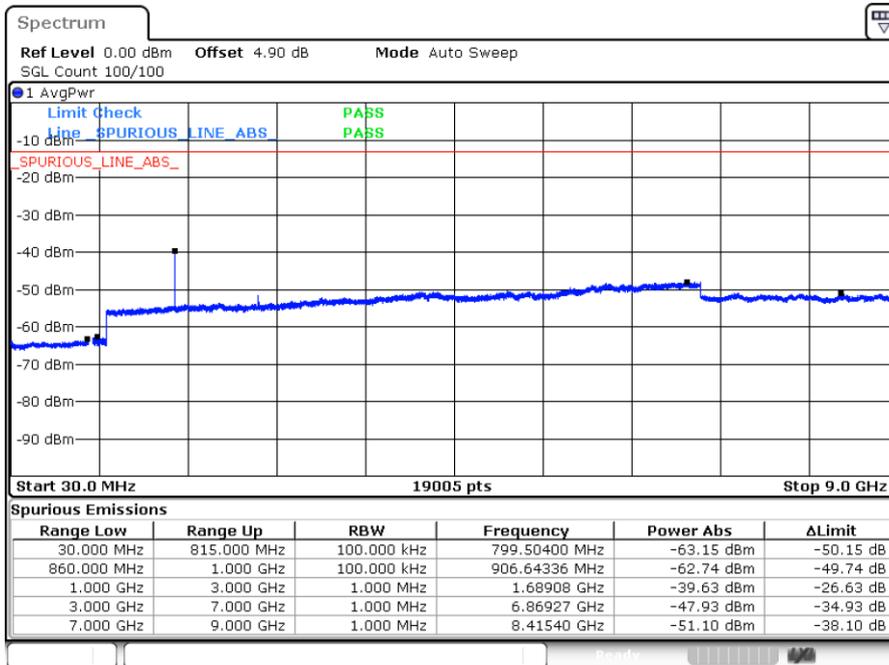
Middle Channel / QPSK



Date: 20.AUG.2021 09:02:12

Date: 20.AUG.2021 09:12:33

Highest Channel / QPSK

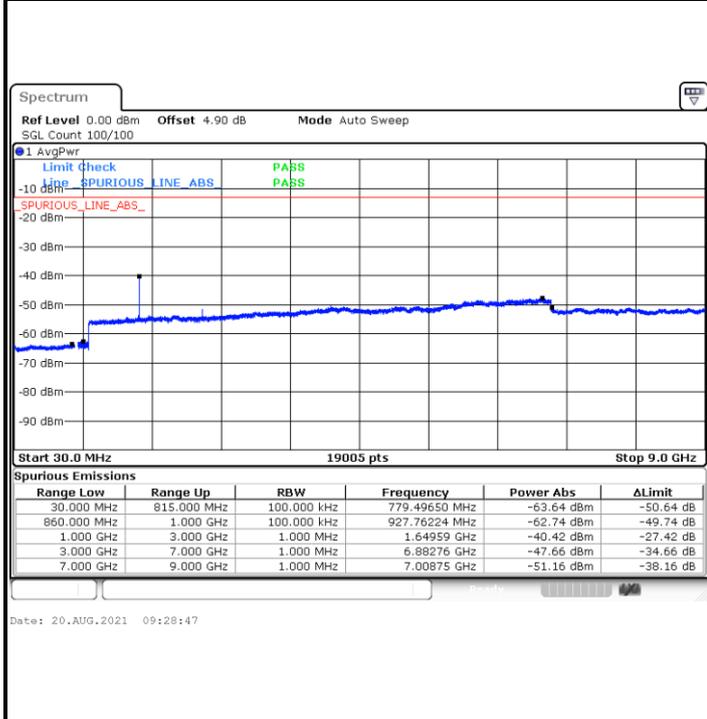


Date: 20.AUG.2021 09:25:55

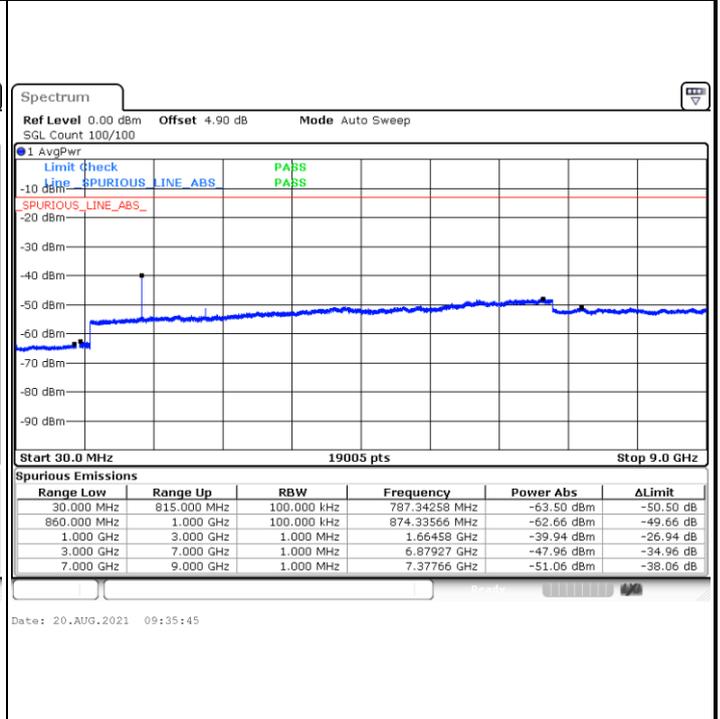


**LTE Band 5 / 10MHz**

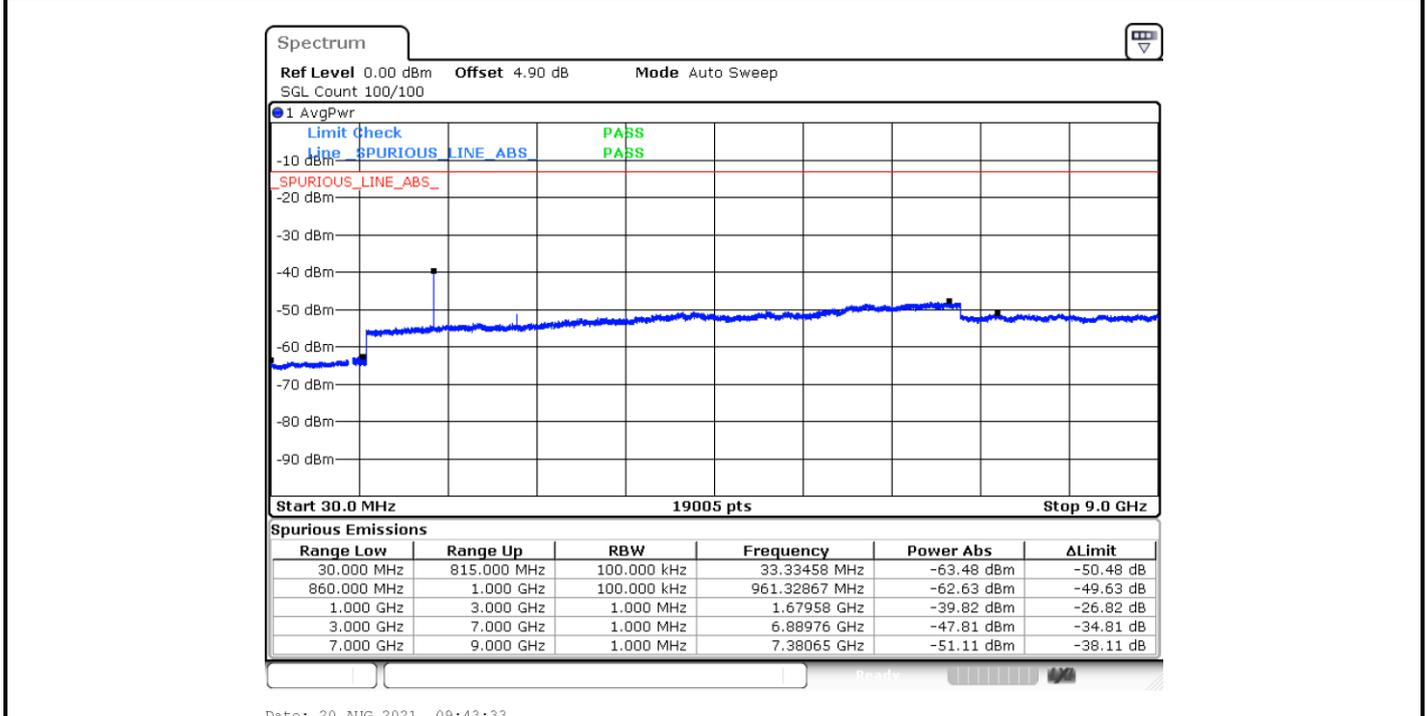
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**





Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0063	PASS
40	Normal Voltage	0.0042	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0049	
-30	Normal Voltage	0.0063	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

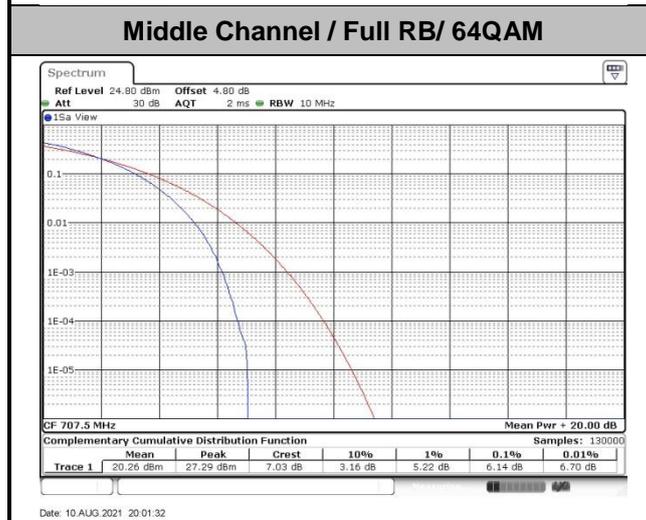
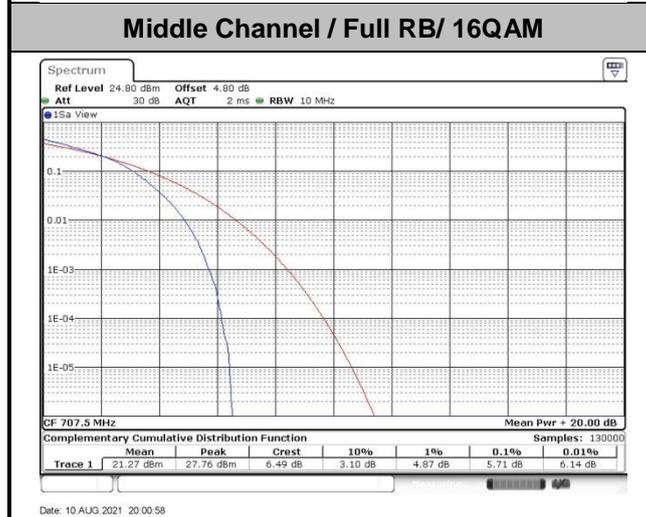
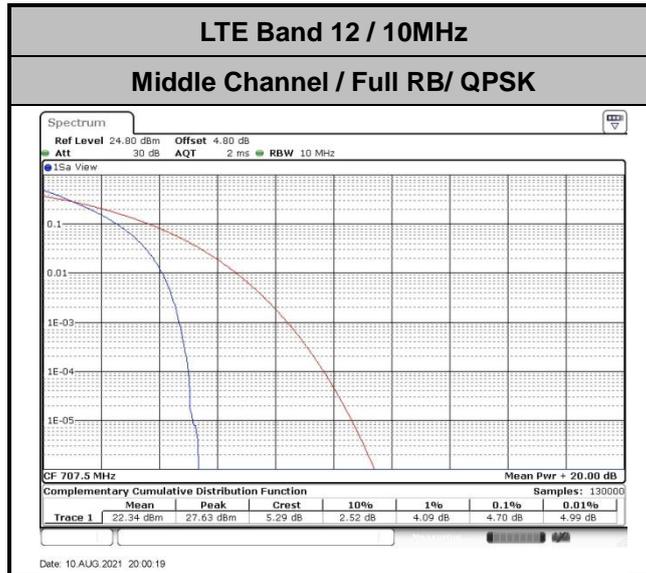
Note: Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.



## LTE Band 12

### Peak-to-Average Ratio

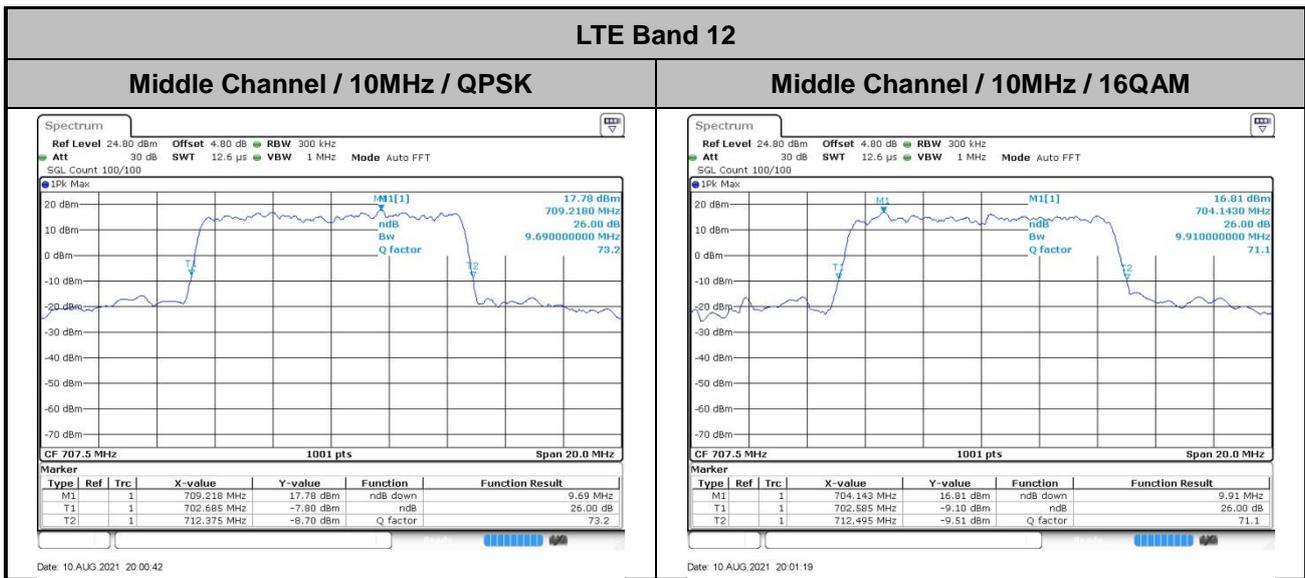
Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.70	5.71	6.14	<b>PASS</b>





## 26dB Bandwidth

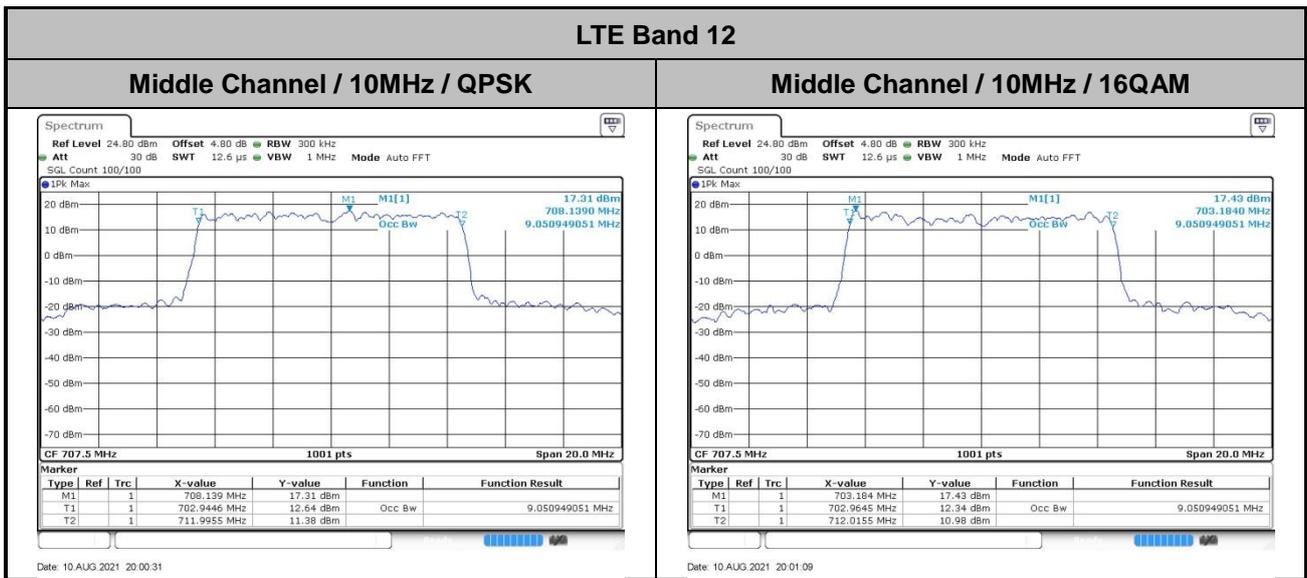
<b>Mode</b>	<b>LTE Band 12 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.69	9.91





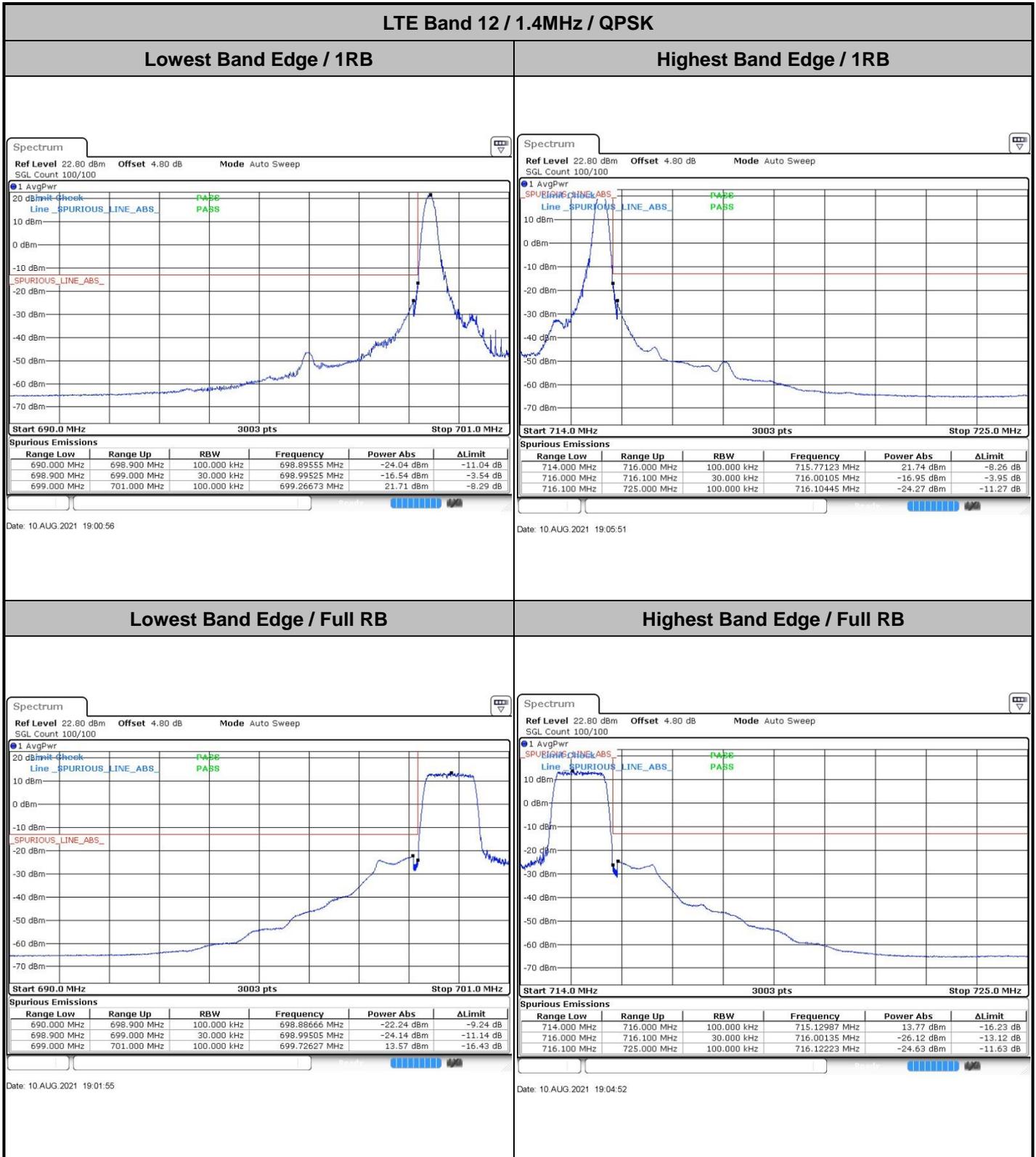
# Occupied Bandwidth

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





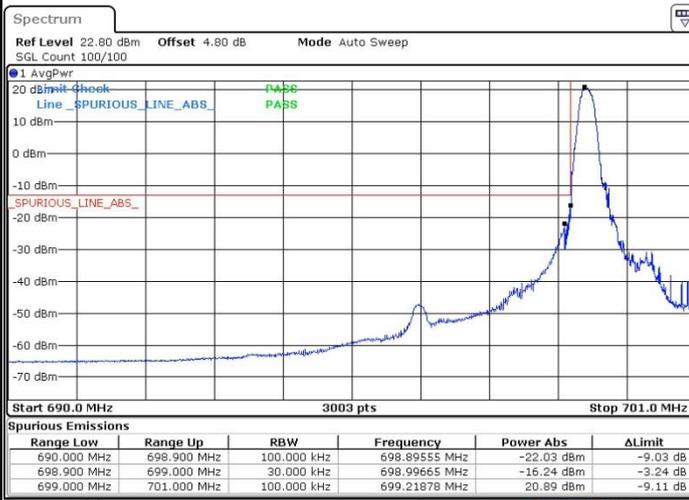
# Conducted Band Edge





LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 10 AUG 2021 18:59:55

Highest Band Edge / 1 RB



Date: 10 AUG 2021 19:06:50

Lowest Band Edge / Full RB



Date: 10 AUG 2021 19:02:54

Highest Band Edge / Full RB



Date: 10 AUG 2021 19:03:53



LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 10 AUG 2021 19:44:01

Highest Band Edge / 1 RB



Date: 10 AUG 2021 19:42:03

Lowest Band Edge / Full RB



Date: 10 AUG 2021 19:44:59

Highest Band Edge / Full RB

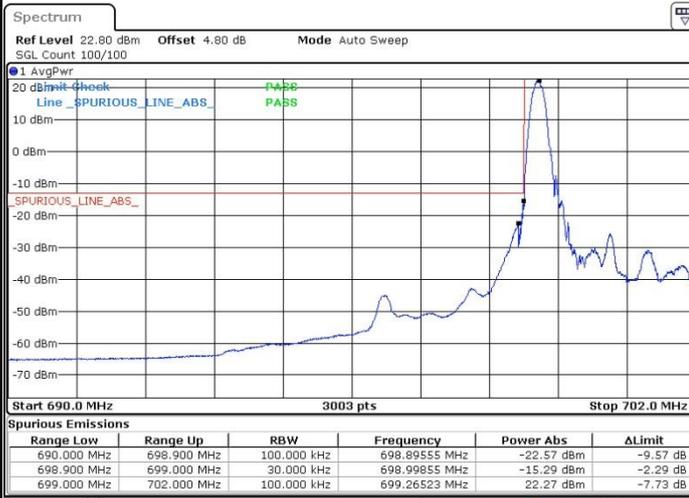


Date: 10 AUG 2021 19:43:02



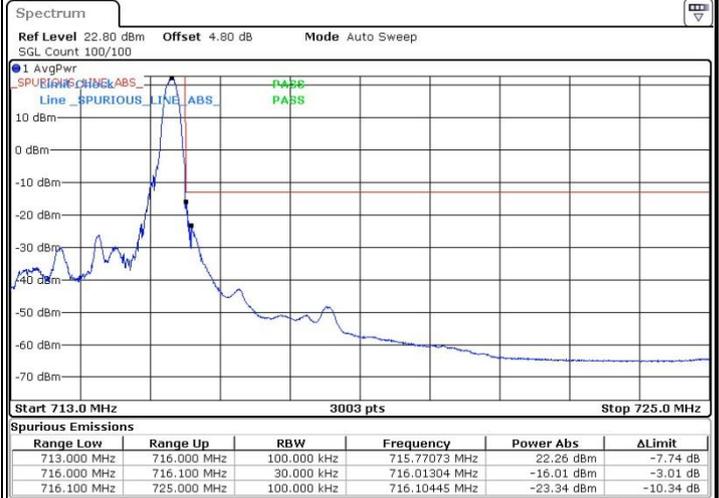
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 10 AUG 2021 19:10:06

Highest Band Edge / 1 RB



Date: 10 AUG 2021 19:15:01

Lowest Band Edge / Full RB



Date: 10 AUG 2021 19:11:05

Highest Band Edge / Full RB

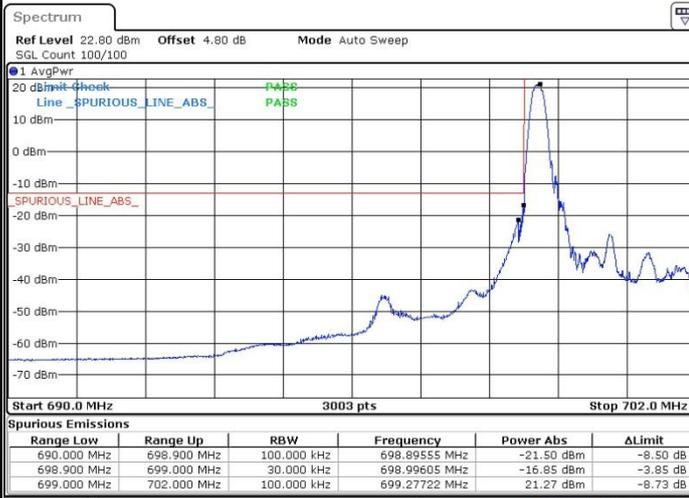


Date: 10 AUG 2021 19:14:02



LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 10 AUG 2021 19:09:04

Highest Band Edge / 1 RB



Date: 10 AUG 2021 19:16:00

Lowest Band Edge / Full RB



Date: 10 AUG 2021 19:12:03

Highest Band Edge / Full RB



Date: 10 AUG 2021 19:13:03



LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 10 AUG 2021 19:46:13

Highest Band Edge / 1 RB



Date: 10 AUG 2021 19:49:10

Lowest Band Edge / Full RB



Date: 10 AUG 2021 19:47:12

Highest Band Edge / Full RB

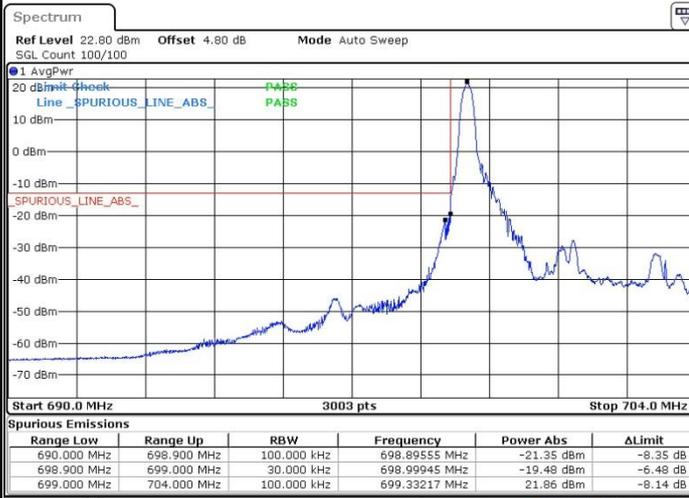


Date: 10 AUG 2021 19:48:11



LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 10 AUG 2021 19:21:52

Highest Band Edge / 1 RB



Date: 10 AUG 2021 19:26:47

Lowest Band Edge / Full RB



Date: 10 AUG 2021 19:22:51

Highest Band Edge / Full RB

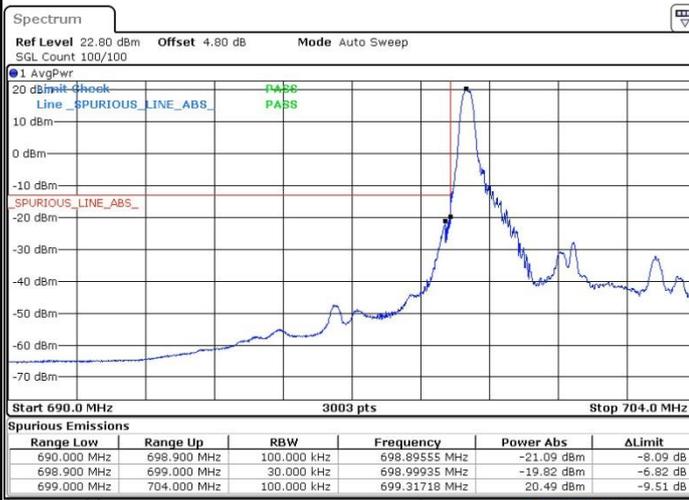


Date: 10 AUG 2021 19:25:48



LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 10 AUG 2021 19:20:51

Highest Band Edge / 1 RB



Date: 10 AUG 2021 19:27:46

Lowest Band Edge / Full RB



Date: 10 AUG 2021 19:23:50

Highest Band Edge / Full RB

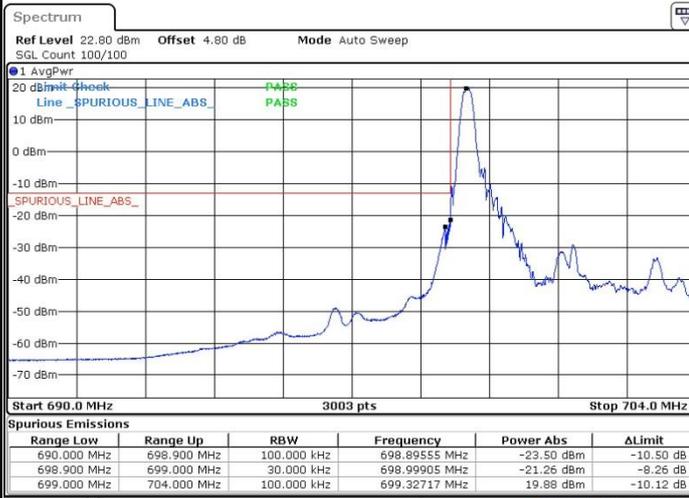


Date: 10 AUG 2021 19:24:49



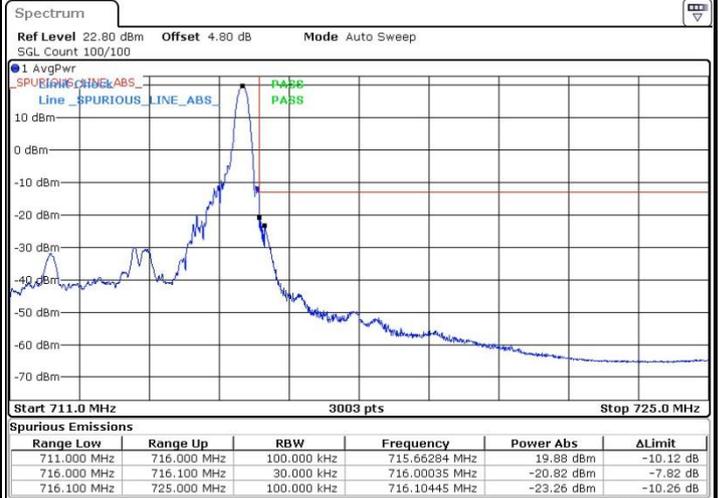
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Date: 10 AUG 2021 19:52:18

Highest Band Edge / 1 RB



Date: 10 AUG 2021 19:51:19

Lowest Band Edge / Full RB



Date: 10 AUG 2021 19:53:17

Highest Band Edge / Full RB

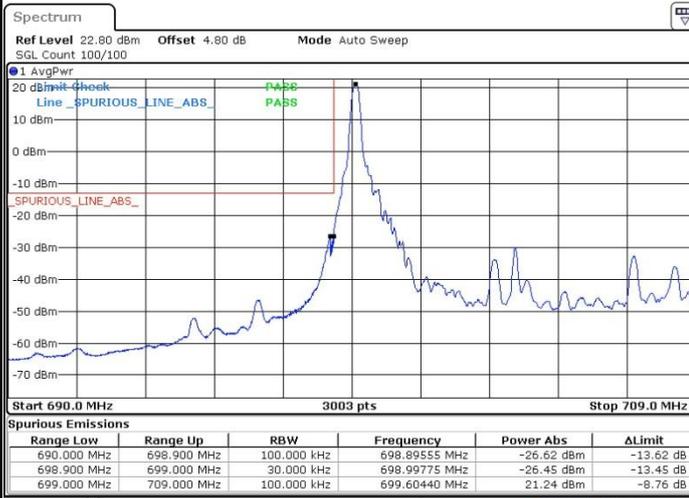


Date: 10 AUG 2021 19:50:20



LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



Date: 10 AUG 2021 19:35:09

Highest Band Edge / 1 RB



Date: 10 AUG 2021 19:40:05

Lowest Band Edge / Full RB



Date: 10 AUG 2021 19:36:08

Highest Band Edge / Full RB



Date: 10 AUG 2021 19:39:06