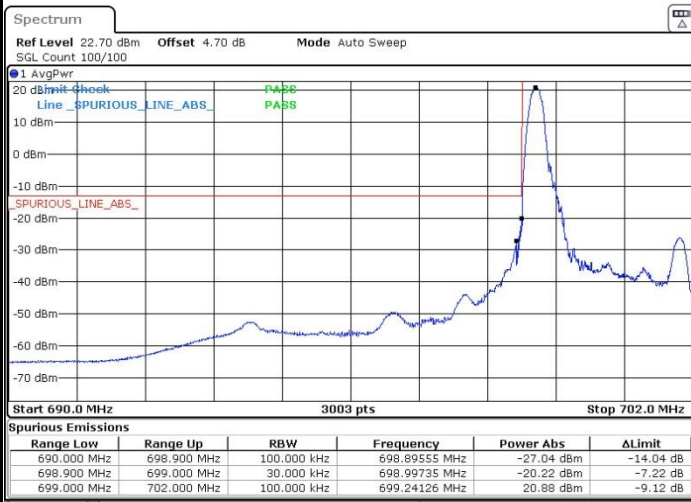




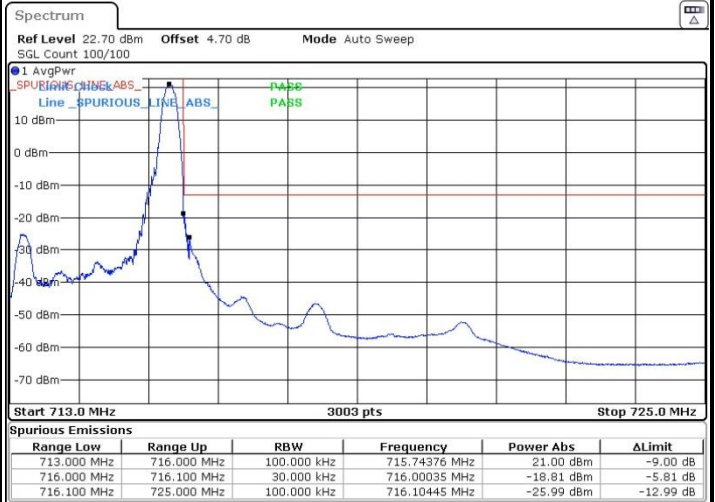
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 3 AUG.2021 18:43:02

Highest Band Edge / 1 RB



Date: 3 AUG.2021 18:47:54

Lowest Band Edge / Full RB



Date: 3 AUG.2021 18:44:00

Highest Band Edge / Full RB

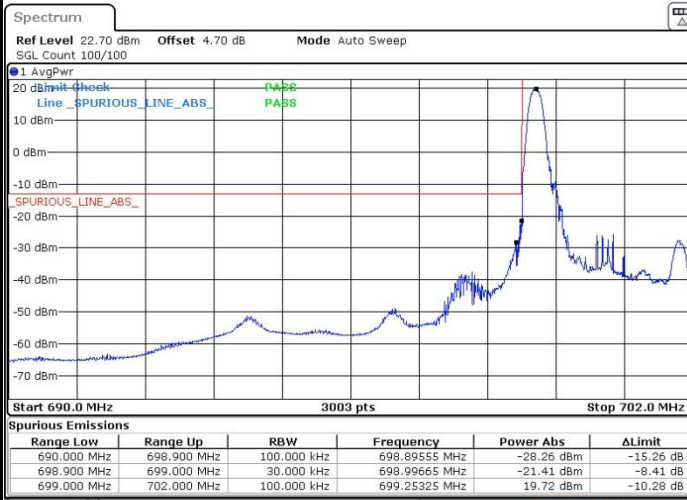


Date: 3 AUG.2021 18:46:56



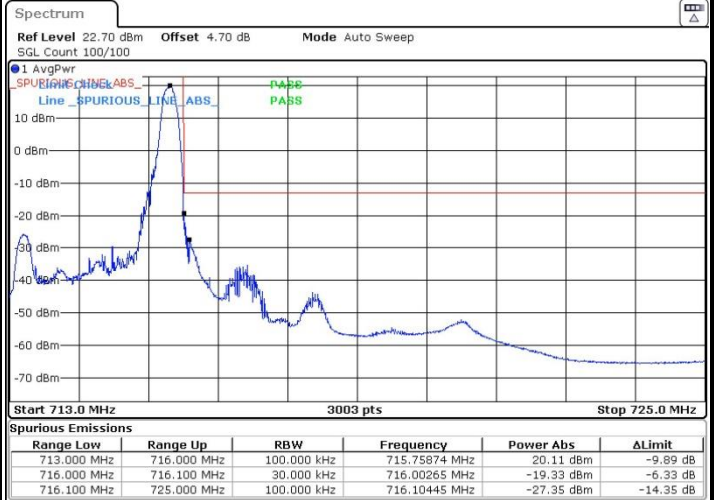
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



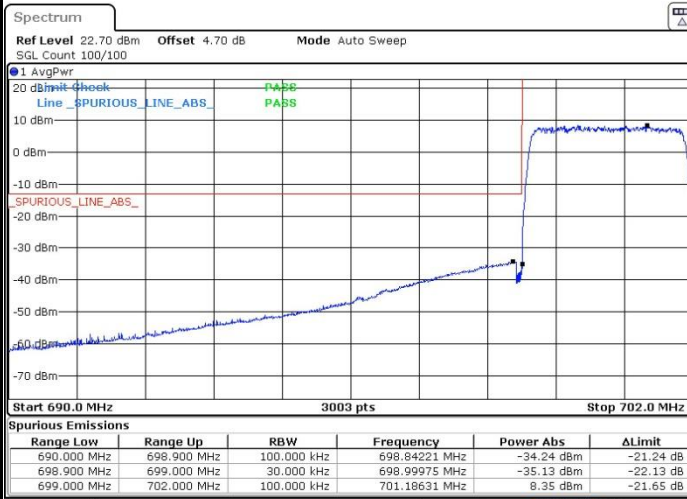
Date: 3 AUG.2021 18:42:03

Highest Band Edge / 1 RB



Date: 3 AUG.2021 18:48:52

Lowest Band Edge / Full RB



Date: 3 AUG.2021 18:44:59

Highest Band Edge / Full RB

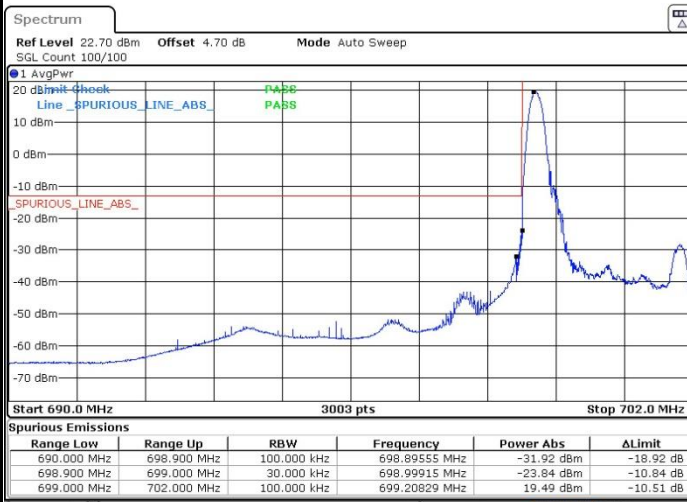


Date: 3 AUG.2021 18:45:57



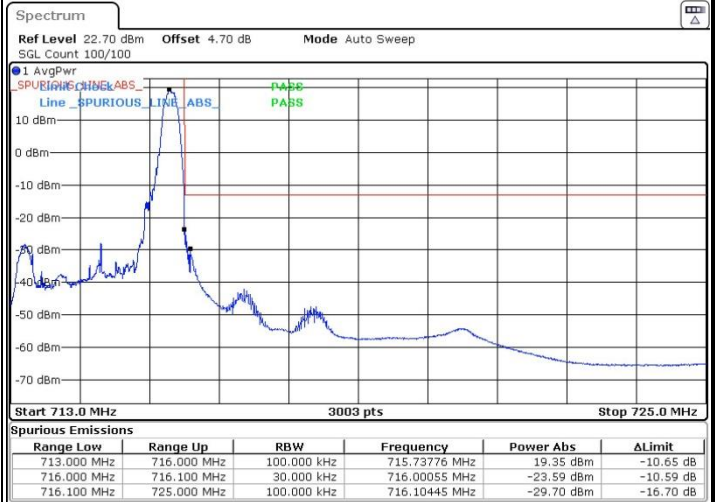
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



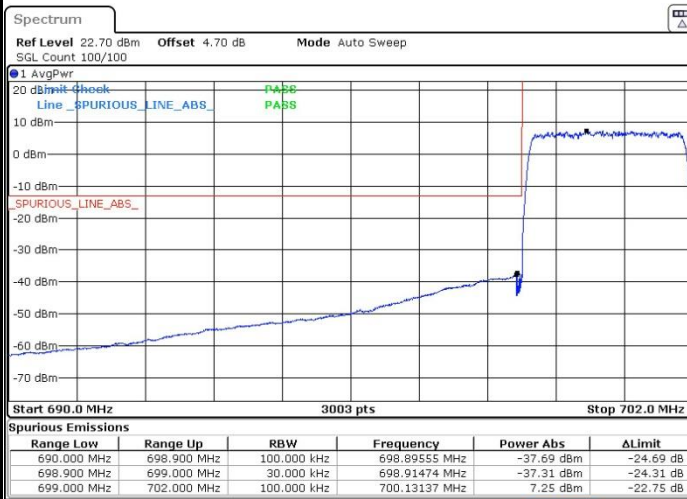
Date: 3 AUG.2021 19:22:09

Highest Band Edge / 1 RB



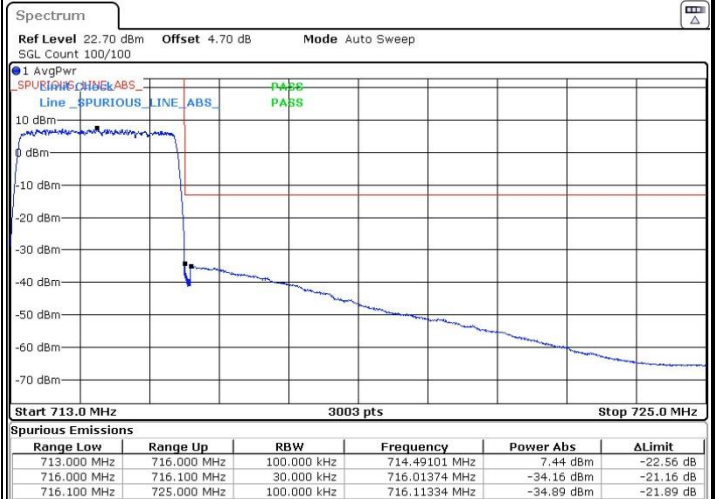
Date: 3 AUG.2021 19:25:04

Lowest Band Edge / Full RB



Date: 3 AUG.2021 19:23:07

Highest Band Edge / Full RB

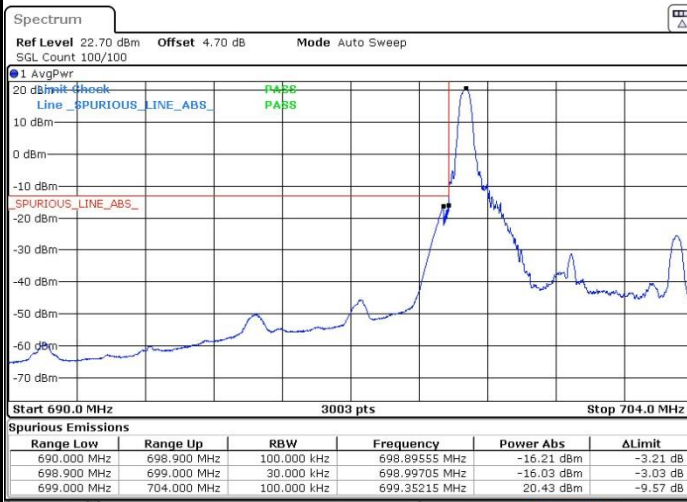


Date: 3 AUG.2021 19:24:05



LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



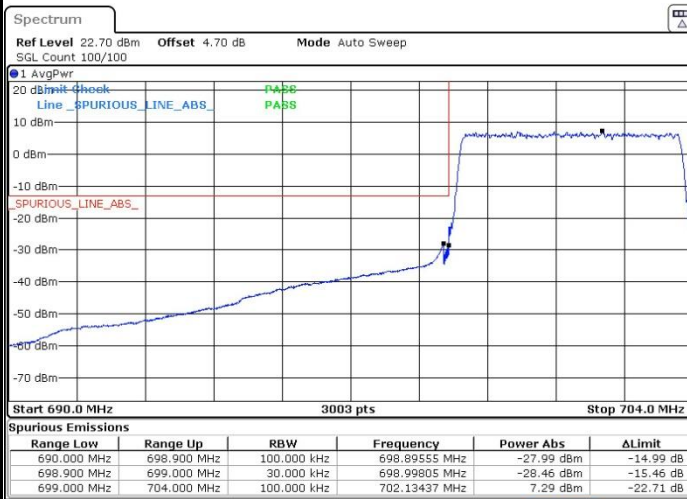
Date: 3 AUG.2021 19:00:15

Highest Band Edge / 1 RB



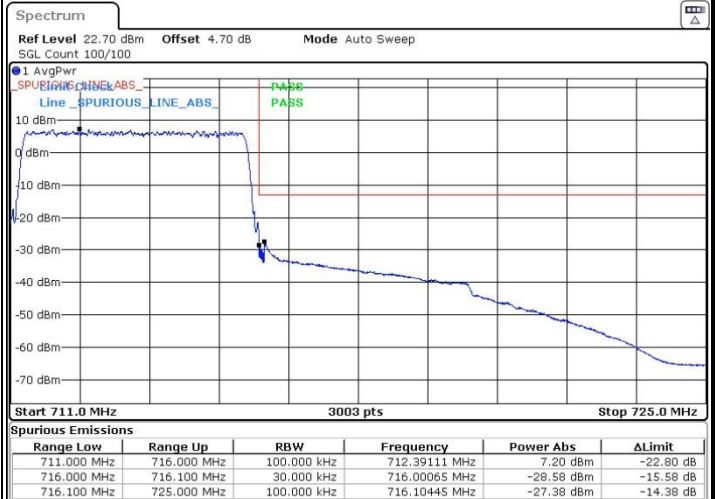
Date: 3 AUG.2021 19:05:07

Lowest Band Edge / Full RB



Date: 3 AUG.2021 19:01:13

Highest Band Edge / Full RB

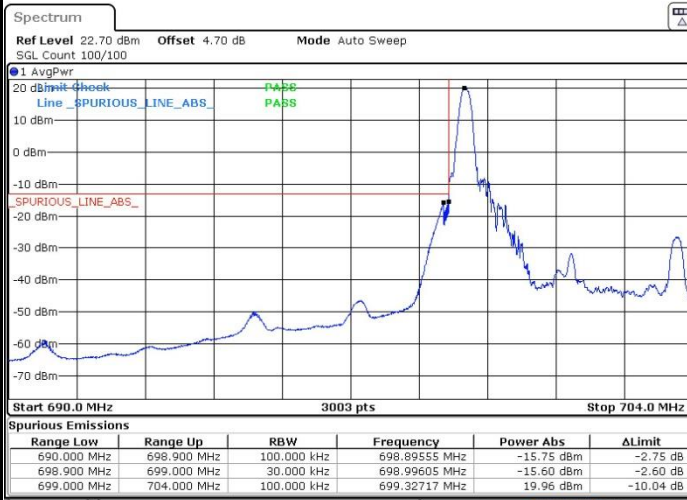


Date: 3 AUG.2021 19:04:09



LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



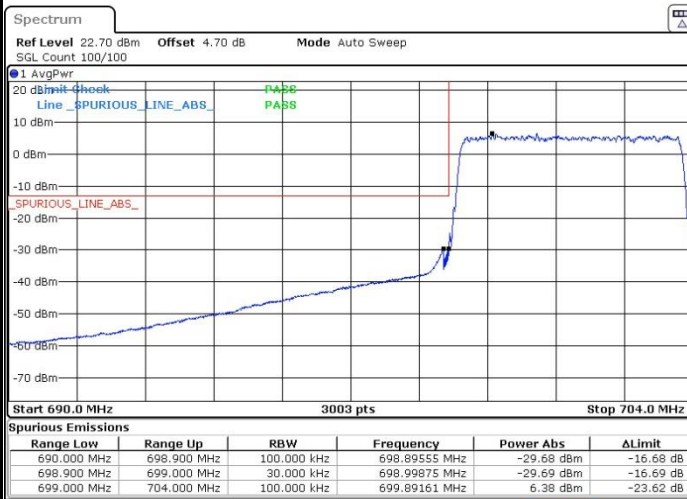
Date: 3 AUG.2021 18:59:17

Highest Band Edge / 1 RB



Date: 3 AUG.2021 19:06:06

Lowest Band Edge / Full RB



Date: 3 AUG.2021 19:02:12

Highest Band Edge / Full RB

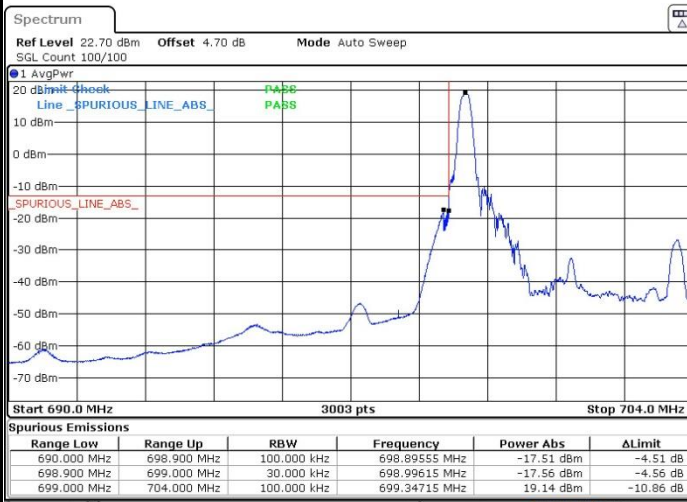


Date: 3 AUG.2021 19:03:10



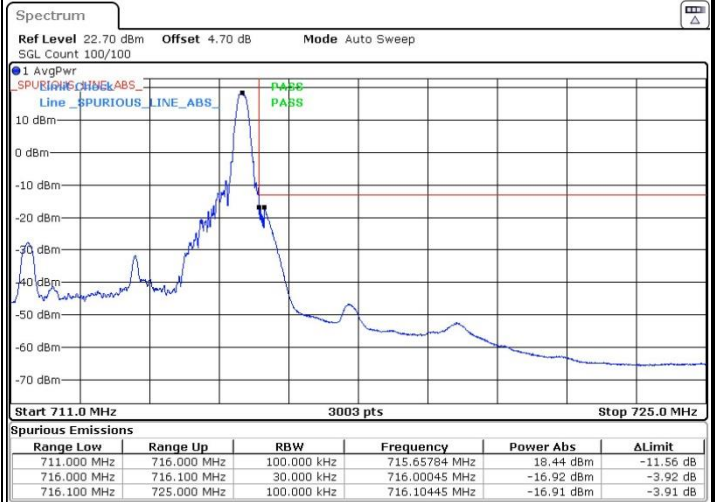
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Date: 3 AUG.2021 19:28:48

Highest Band Edge / 1 RB



Date: 3 AUG.2021 19:27:50

Lowest Band Edge / Full RB



Date: 3 AUG.2021 19:29:47

Highest Band Edge / Full RB

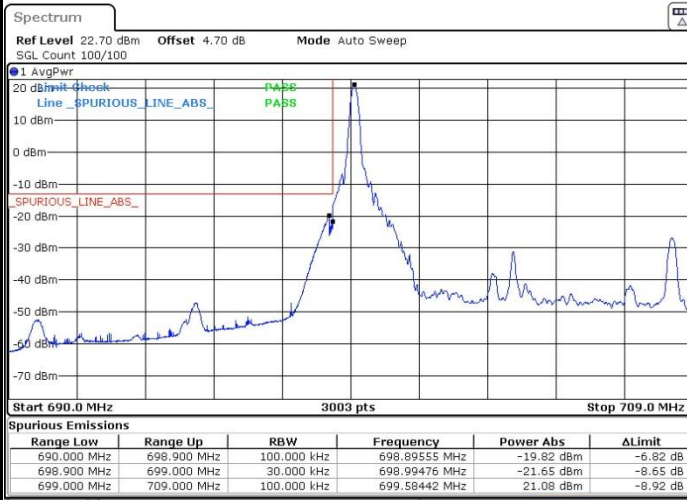


Date: 3 AUG.2021 19:26:51



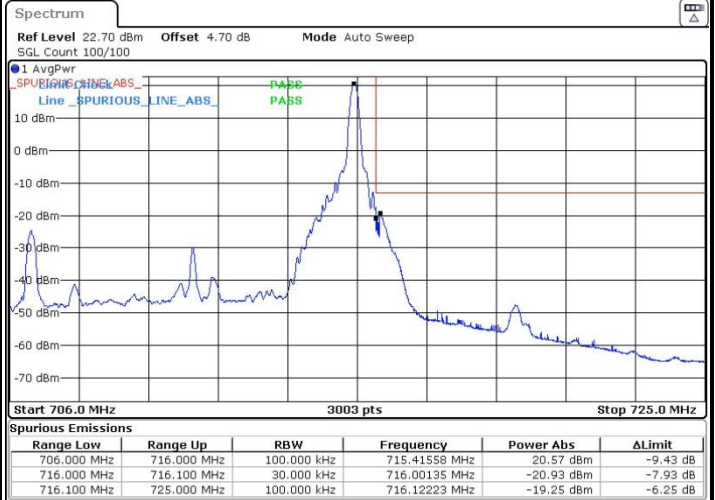
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



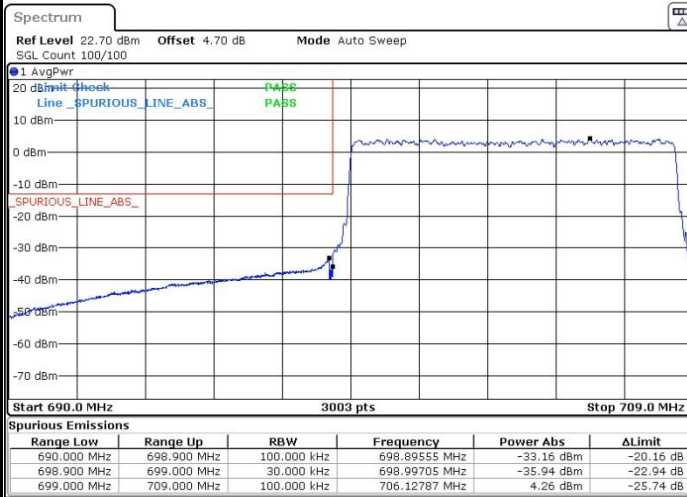
Date: 3 AUG.2021 19:10:05

Highest Band Edge / 1 RB



Date: 3 AUG.2021 19:14:57

Lowest Band Edge / Full RB



Date: 3 AUG.2021 19:11:04

Highest Band Edge / Full RB

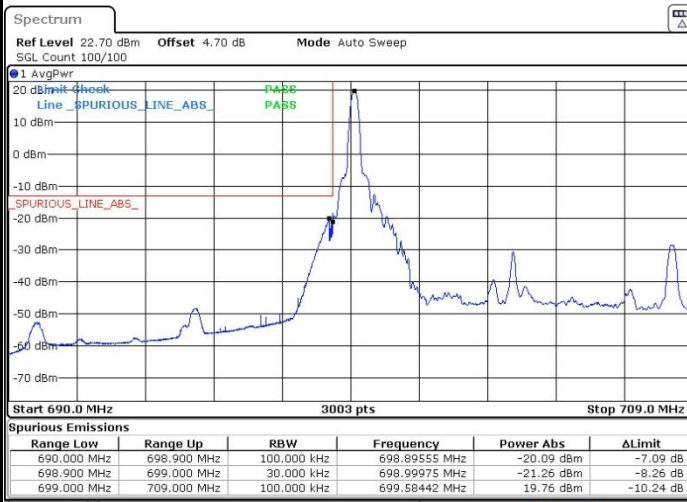


Date: 3 AUG.2021 19:13:59



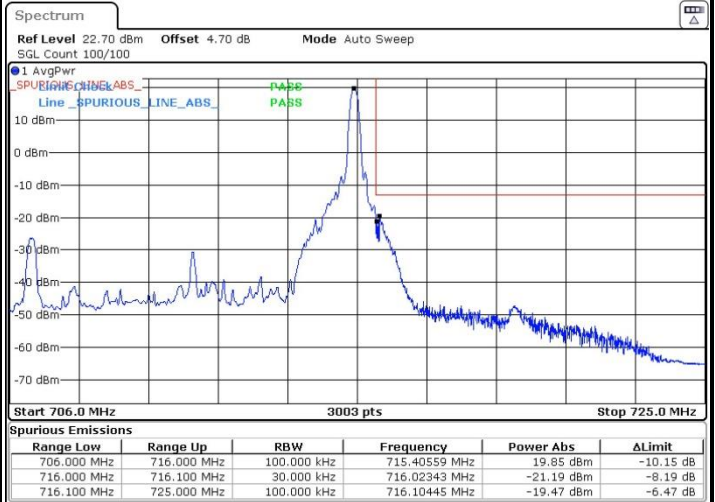
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



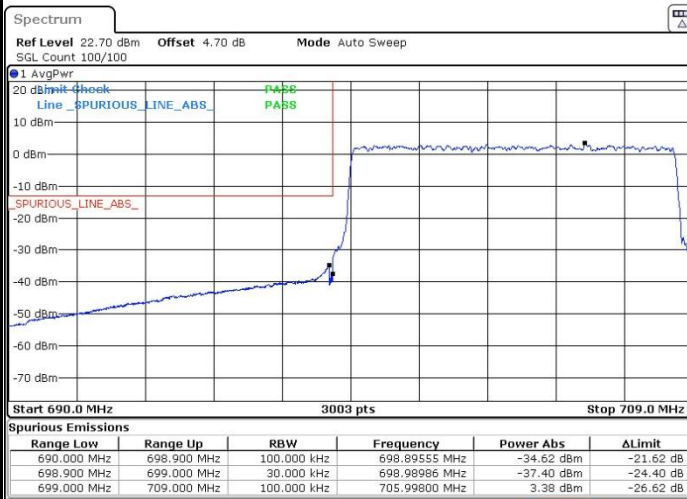
Date: 3 AUG.2021 22:16:20

Highest Band Edge / 1 RB



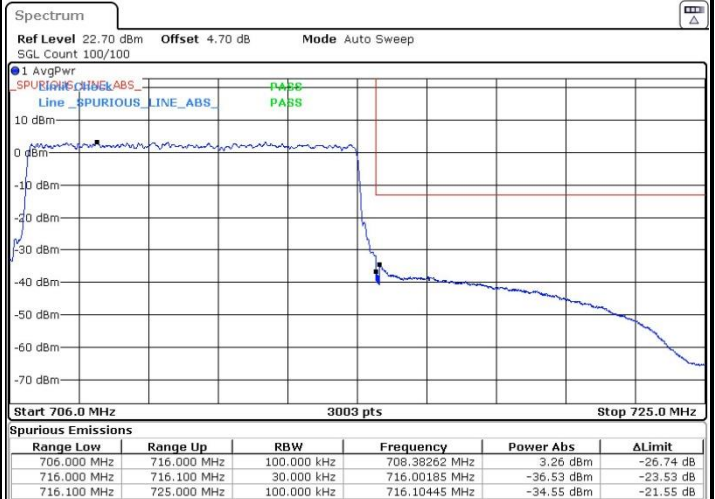
Date: 3 AUG.2021 19:15:56

Lowest Band Edge / Full RB



Date: 3 AUG.2021 19:12:02

Highest Band Edge / Full RB

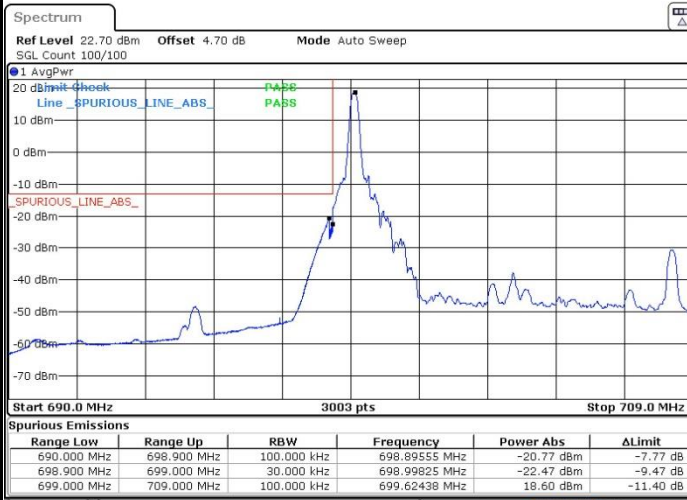


Date: 3 AUG.2021 19:13:00



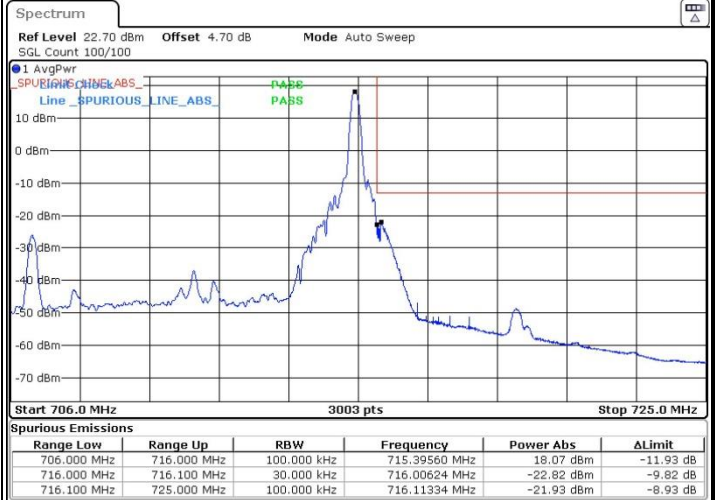
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



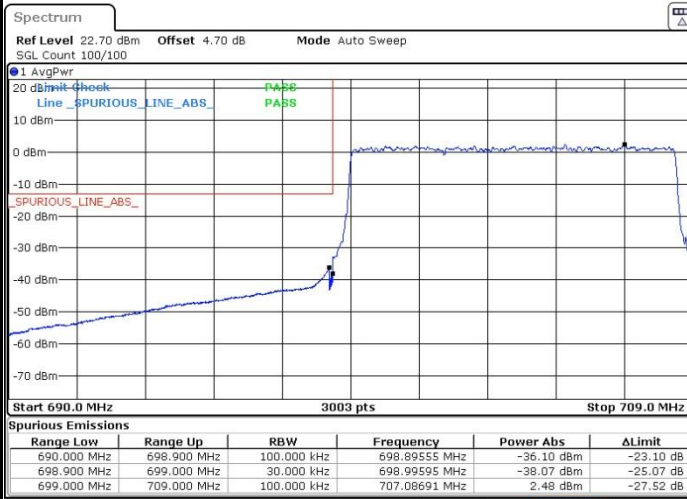
Date: 3 AUG.2021 19:32:53

Highest Band Edge / 1 RB



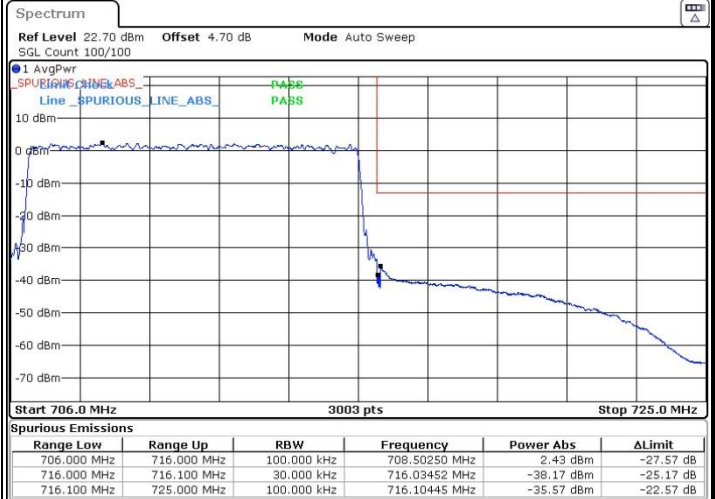
Date: 3 AUG.2021 19:31:55

Lowest Band Edge / Full RB



Date: 3 AUG.2021 19:33:51

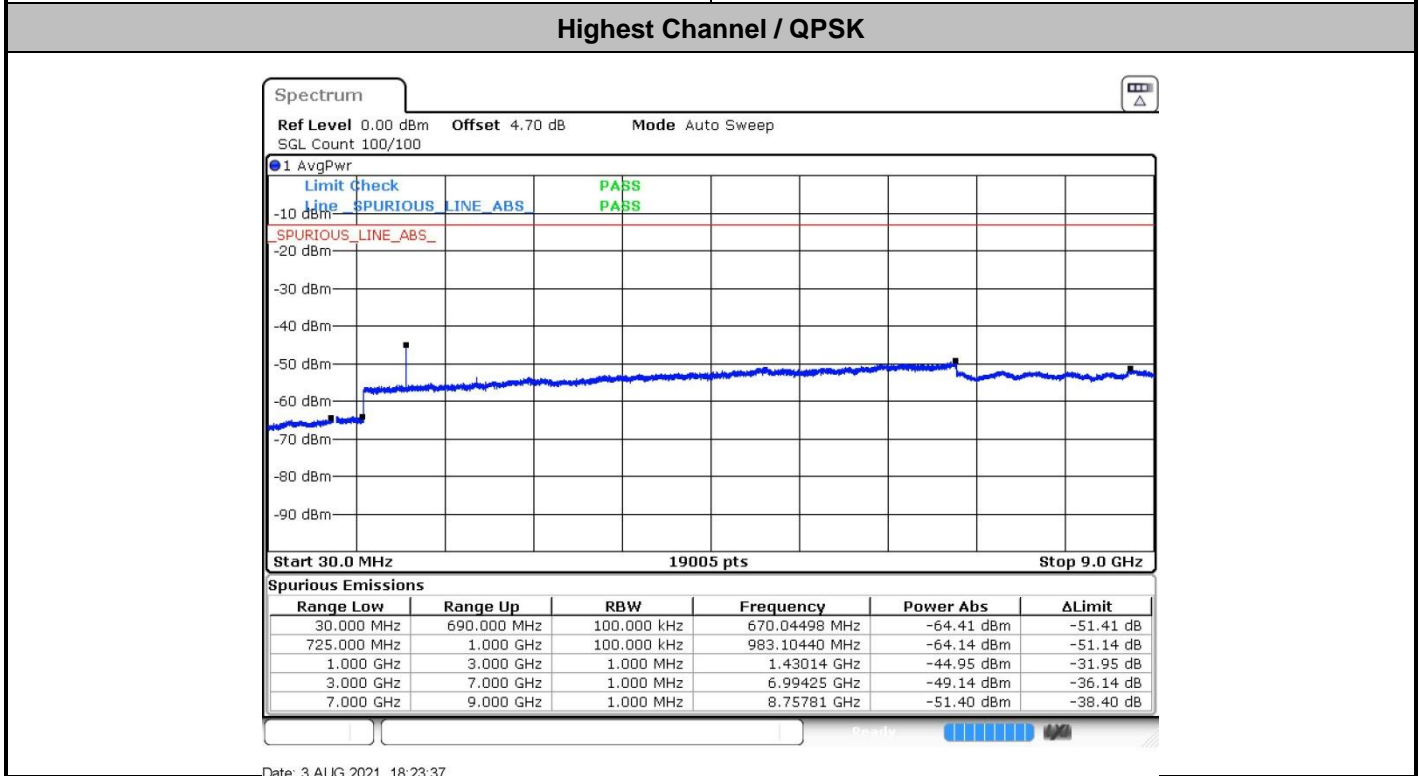
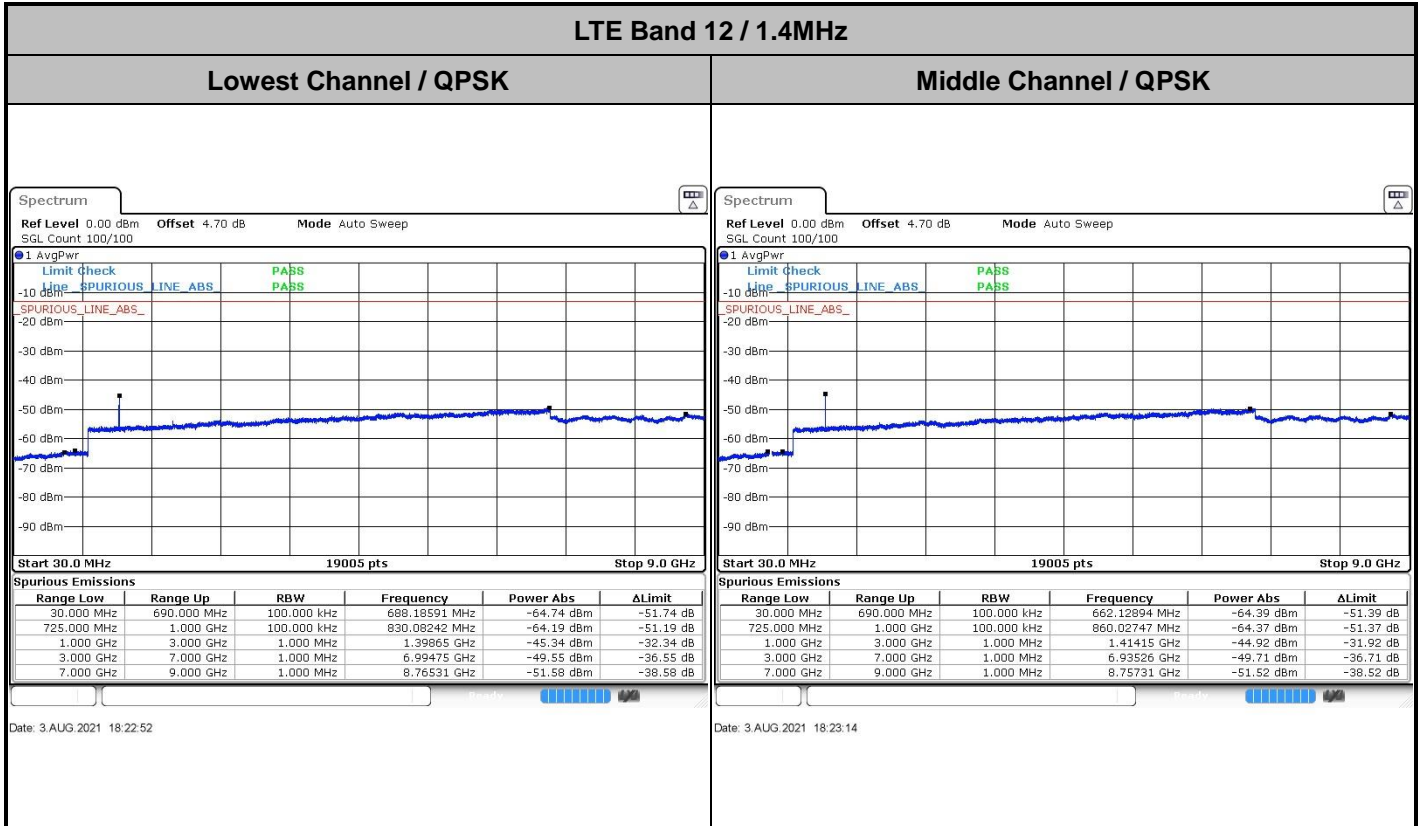
Highest Band Edge / Full RB



Date: 3 AUG.2021 19:30:56



Conducted Spurious Emission

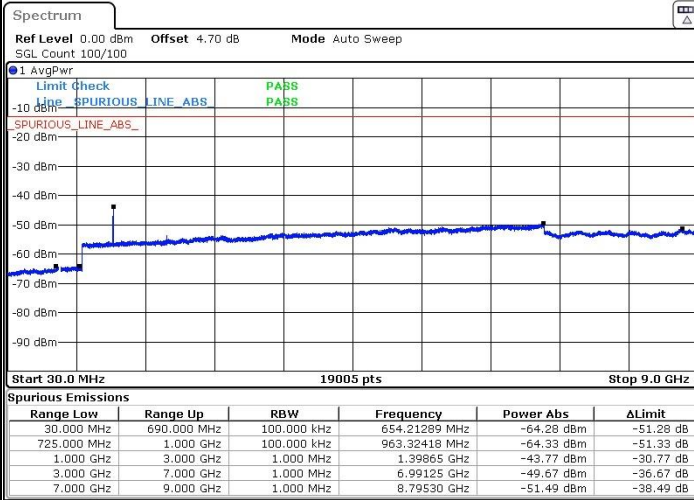




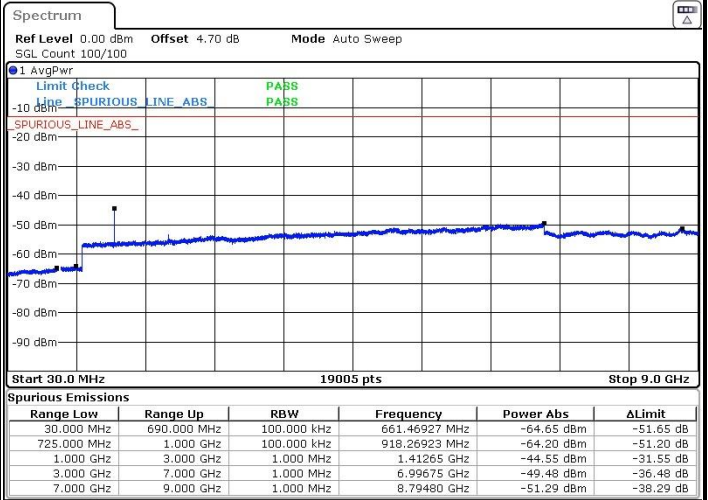
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

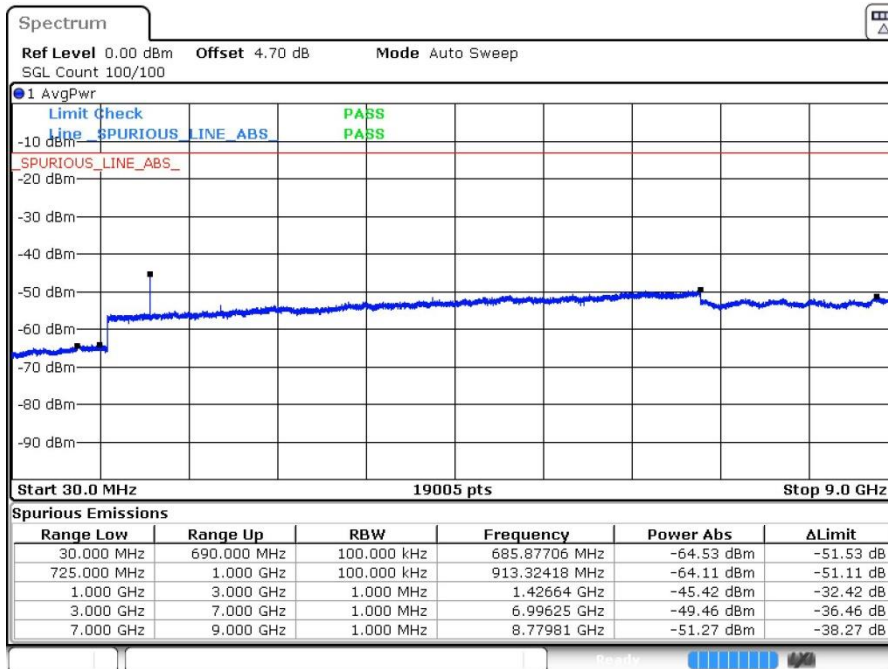


Date: 3 AUG 2021 18:40:19



Date: 3 AUG 2021 18:40:41

Highest Channel / QPSK

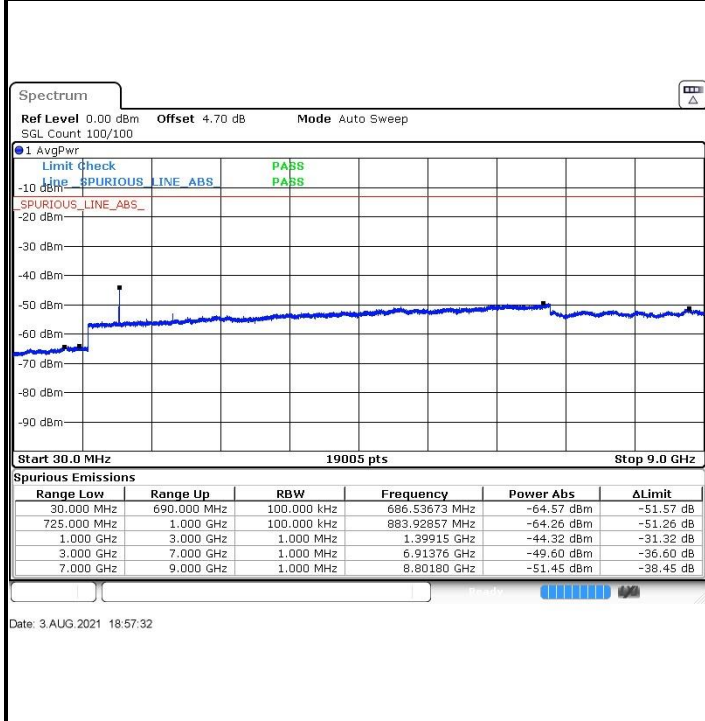


Date: 3 AUG 2021 18:41:04

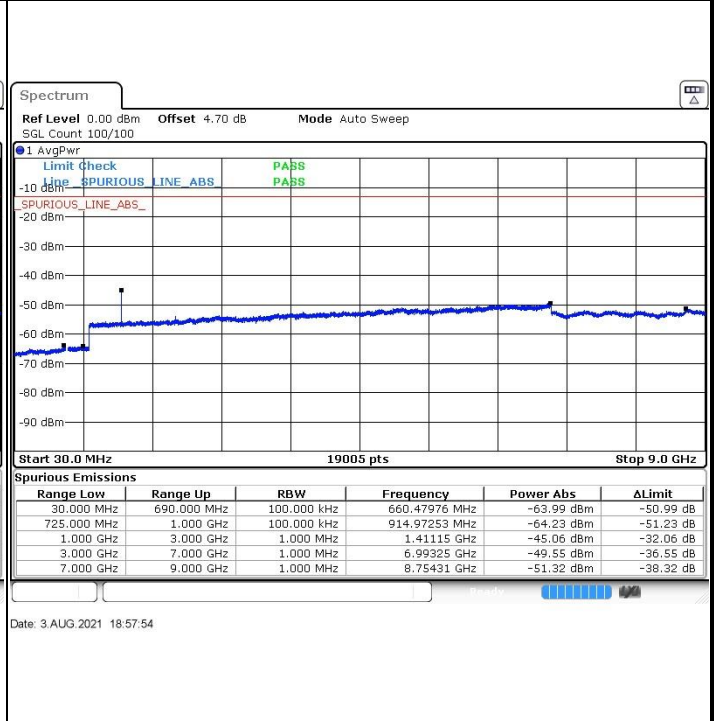


LTE Band 12 / 5MHz

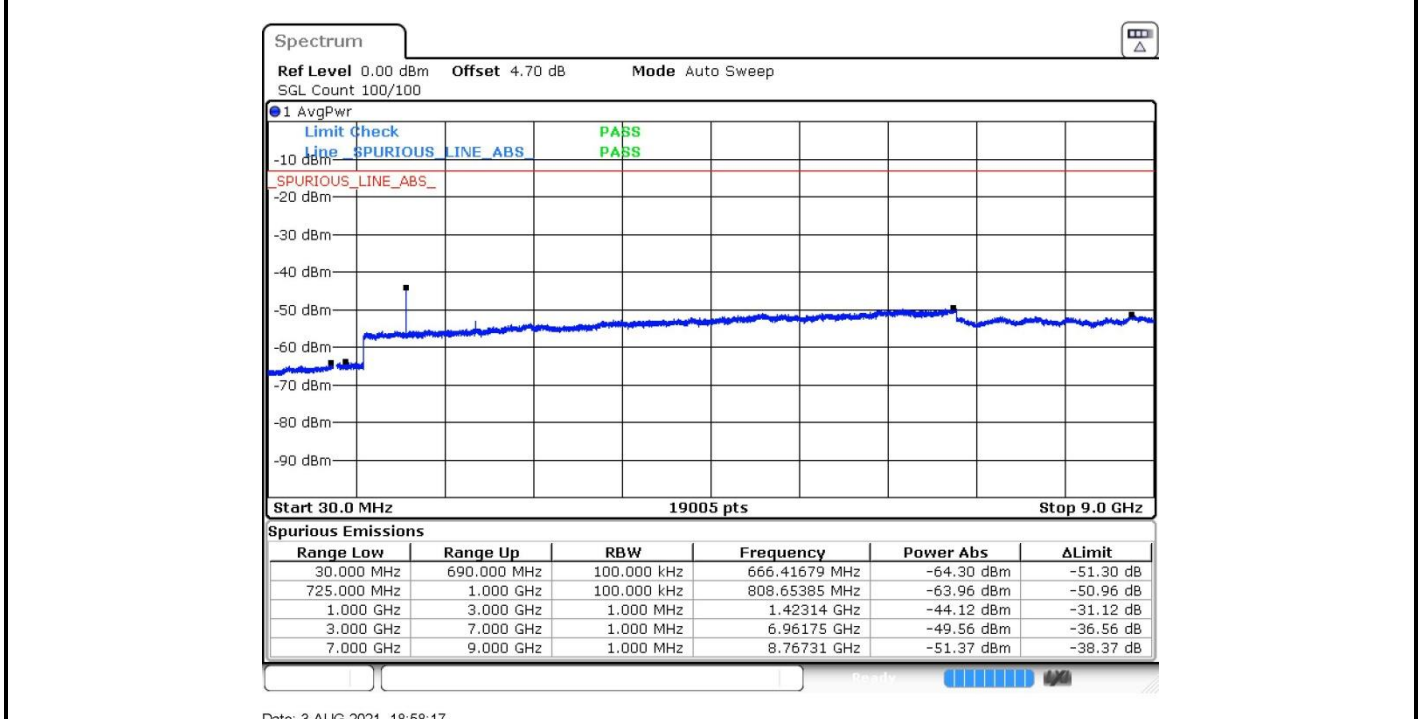
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

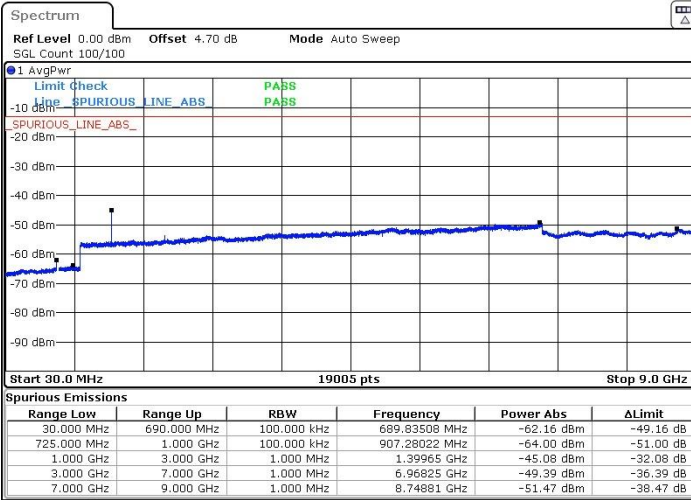




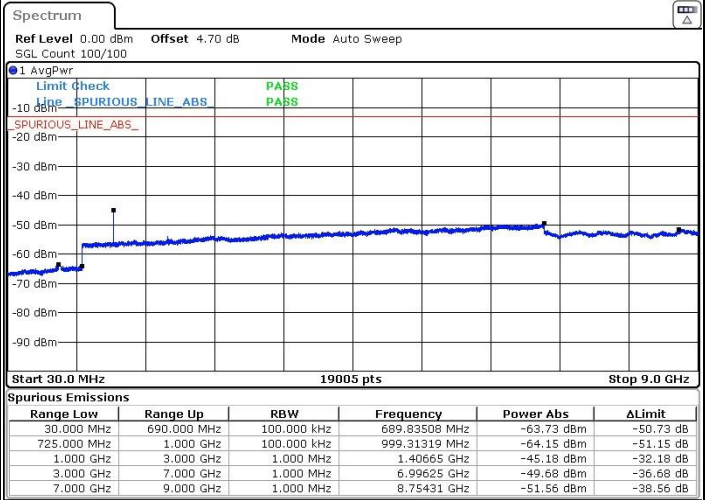
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

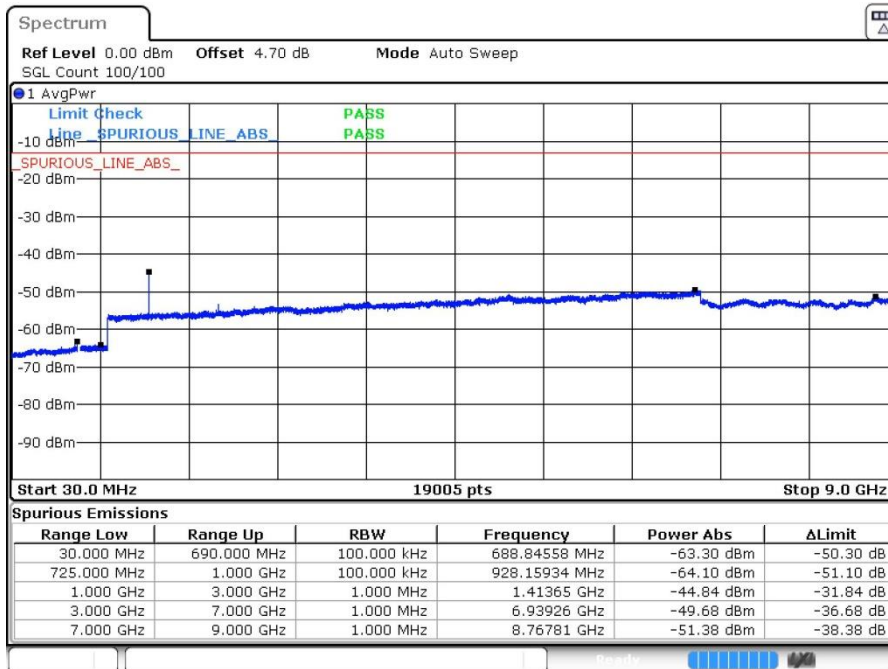


Date: 3 AUG 2021 19:07:22



Date: 3 AUG 2021 19:07:45

Highest Channel / QPSK



Date: 3 AUG 2021 19:08:07



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0006	

Note:

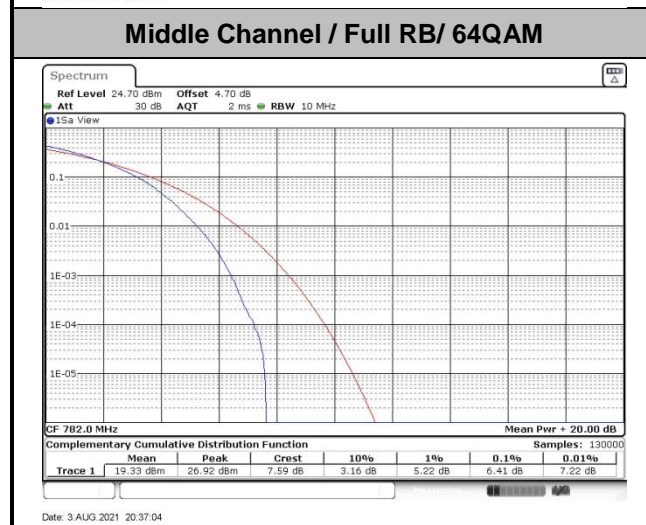
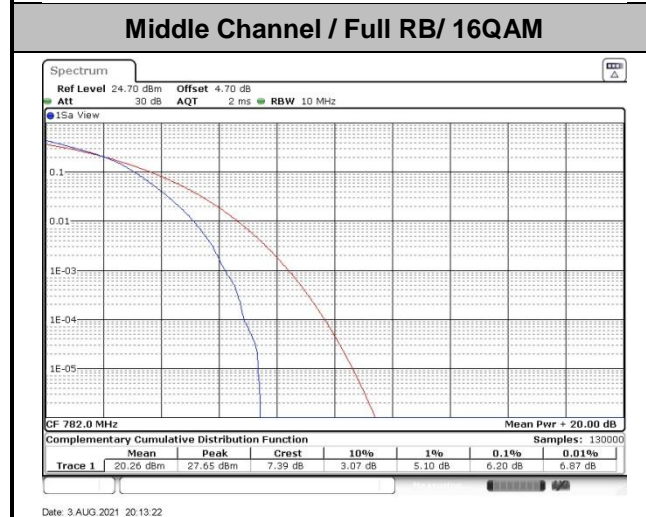
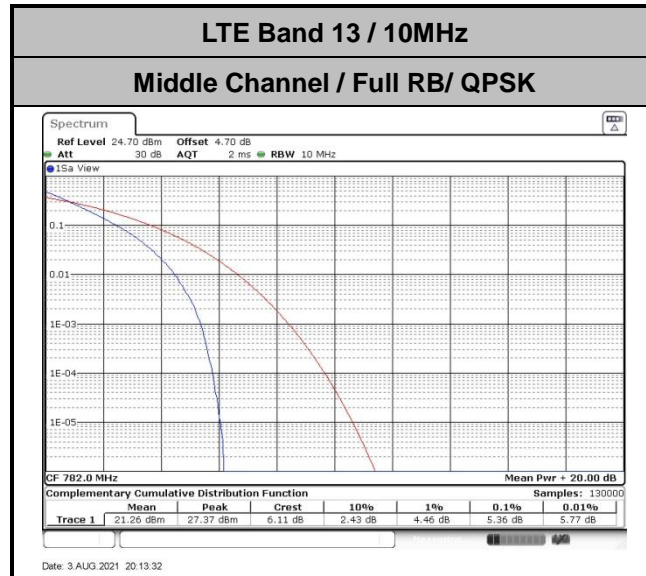
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

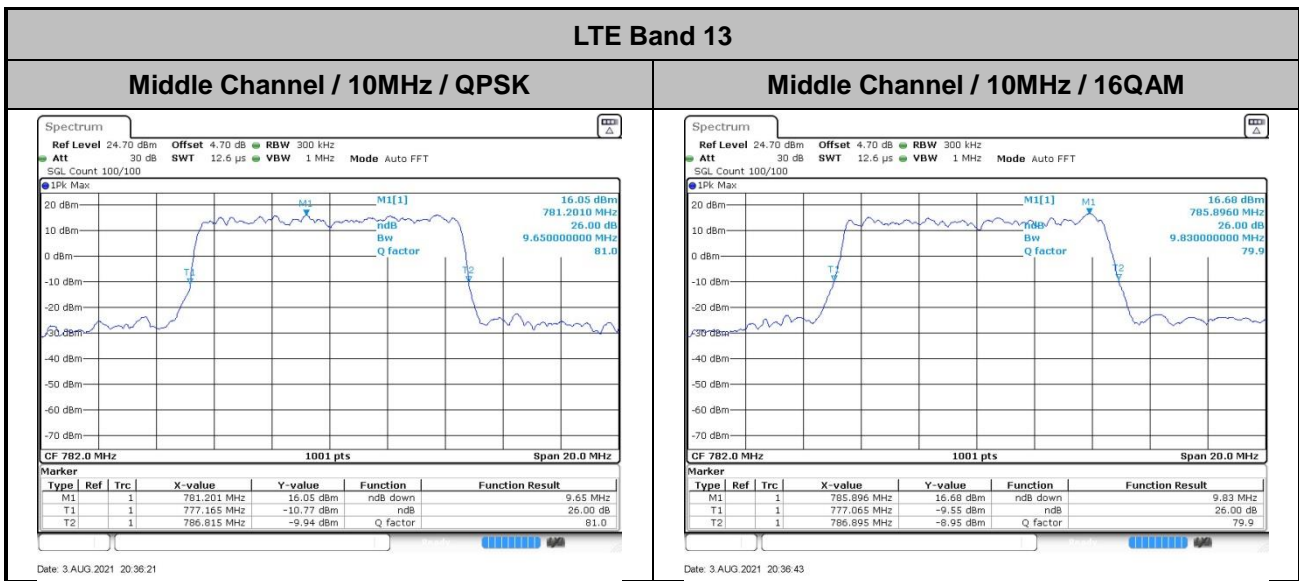
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.36	6.20	6.41	PASS





26dB Bandwidth

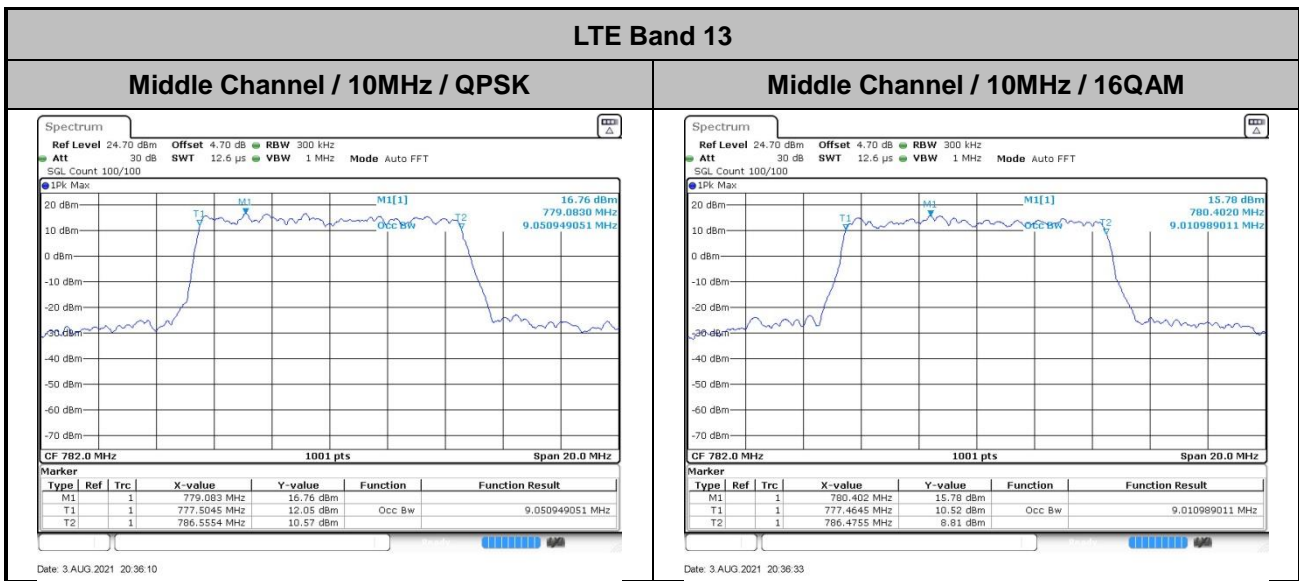
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.65	9.83





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.01

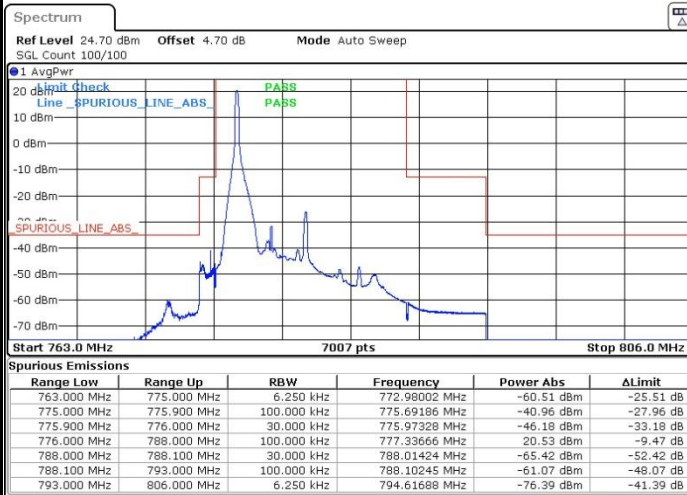




Conducted Band Edge

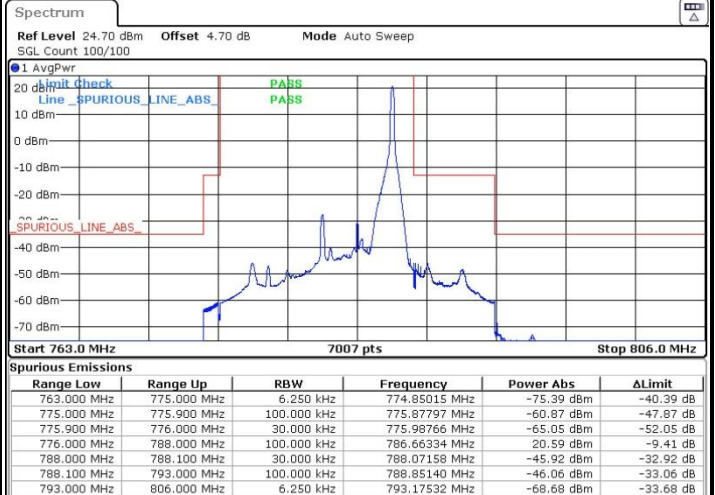
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



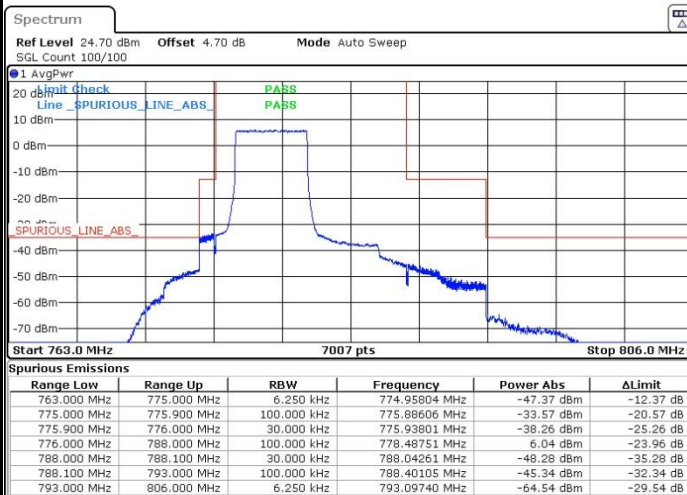
Date: 3 AUG 2021 19:48:57

Highest Band Edge / 1 RB



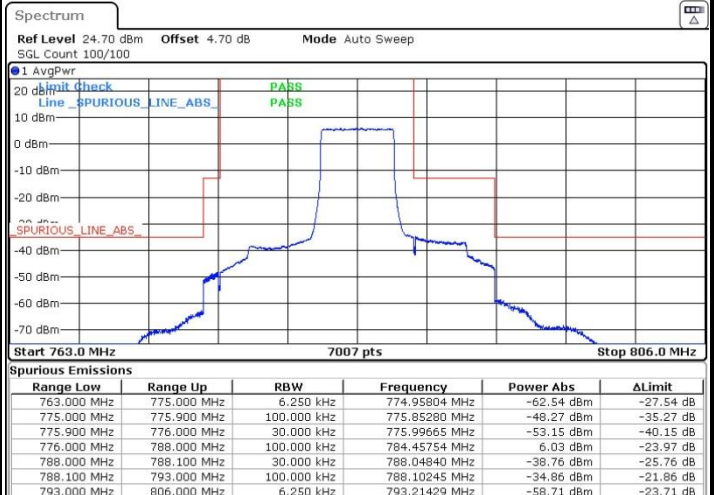
Date: 3 AUG 2021 19:56:15

Lowest Band Edge / Full RB



Date: 3 AUG 2021 19:47:19

Highest Band Edge / Full RB



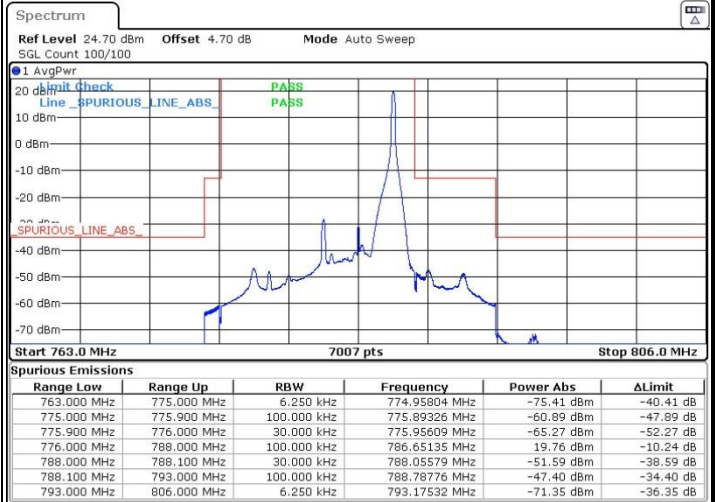
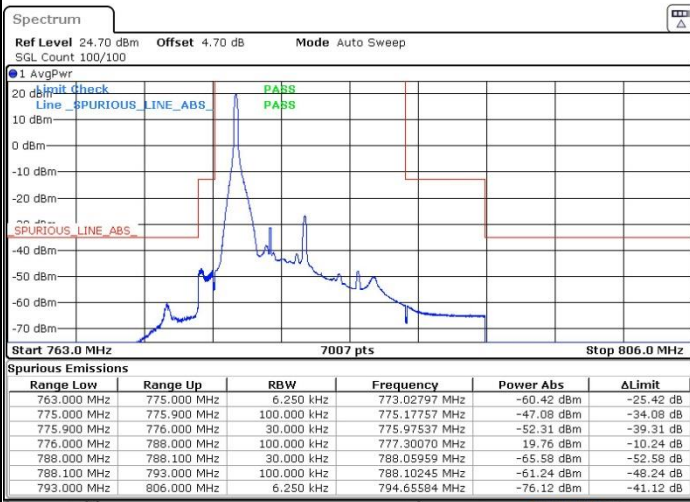
Date: 3 AUG 2021 19:54:36



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

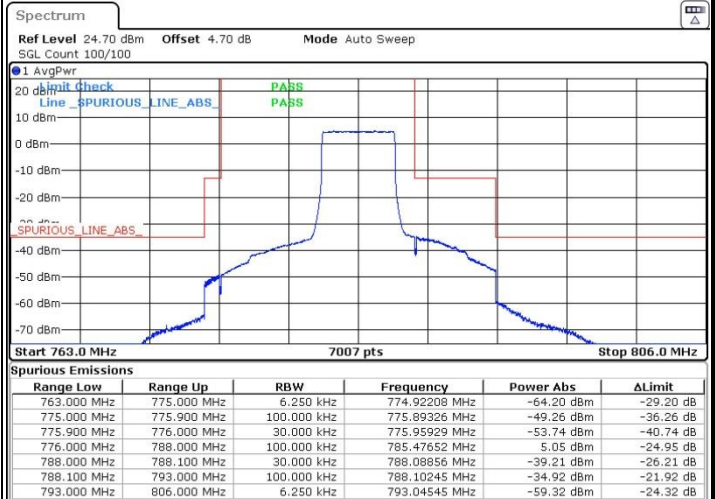
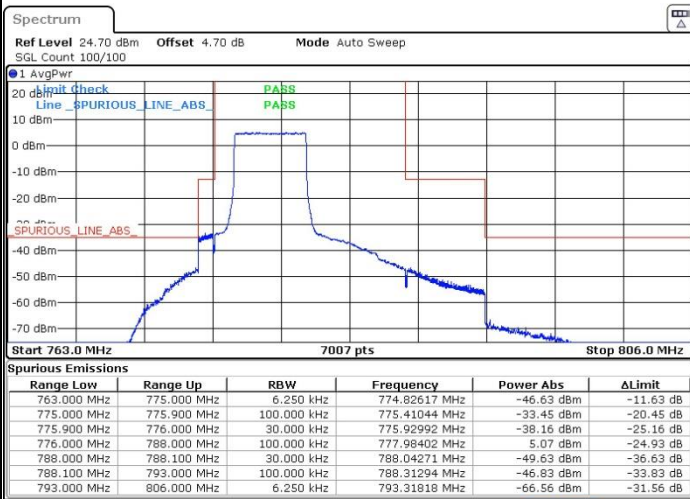


Date: 3 AUG 2021 19:50:36

Date: 3 AUG 2021 19:57:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3 AUG 2021 19:45:40

Date: 3 AUG 2021 19:52:58