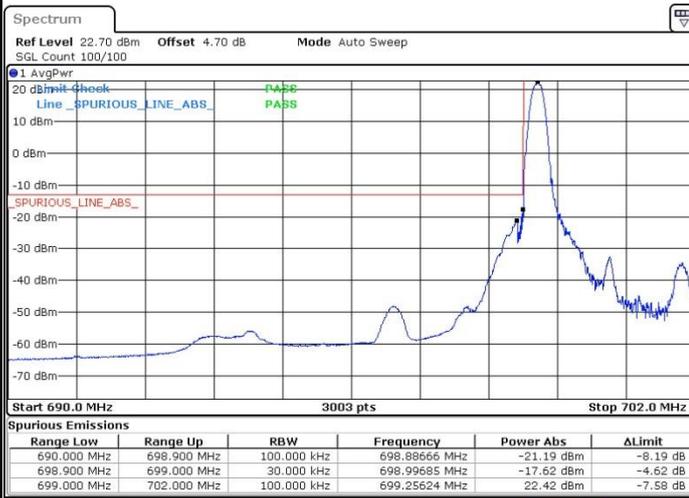




LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 22 MAY 2021 03:02:41

Highest Band Edge / 1 RB



Date: 22 MAY 2021 03:08:21

Lowest Band Edge / Full RB



Date: 22 MAY 2021 03:03:49

Highest Band Edge / Full RB

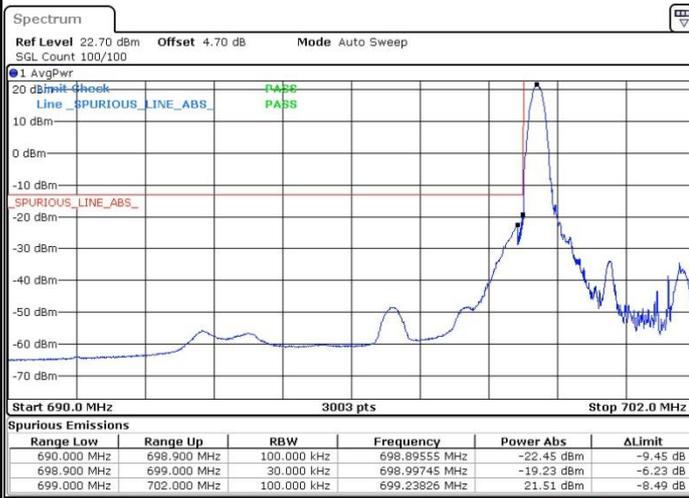


Date: 22 MAY 2021 03:07:13



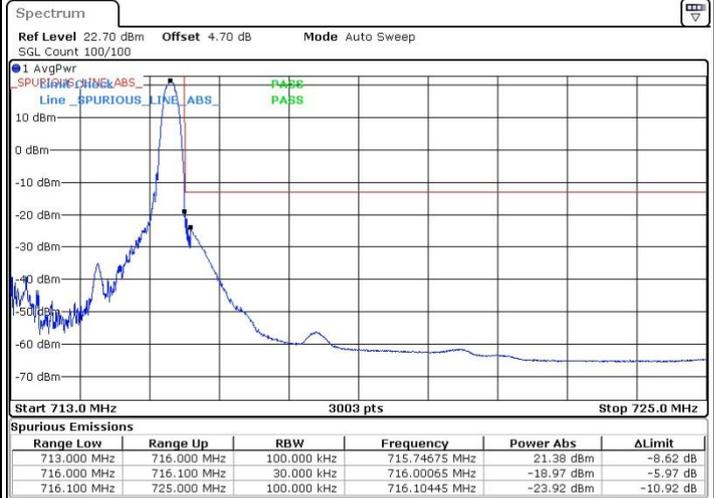
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 22 MAY 2021 03:01:33

Highest Band Edge / 1 RB



Date: 22 MAY 2021 03:09:29

Lowest Band Edge / Full RB



Date: 22 MAY 2021 03:04:57

Highest Band Edge / Full RB

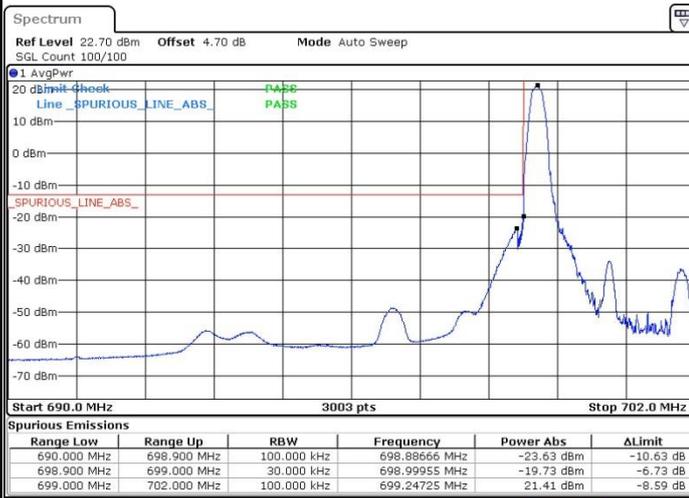


Date: 22 MAY 2021 03:06:05



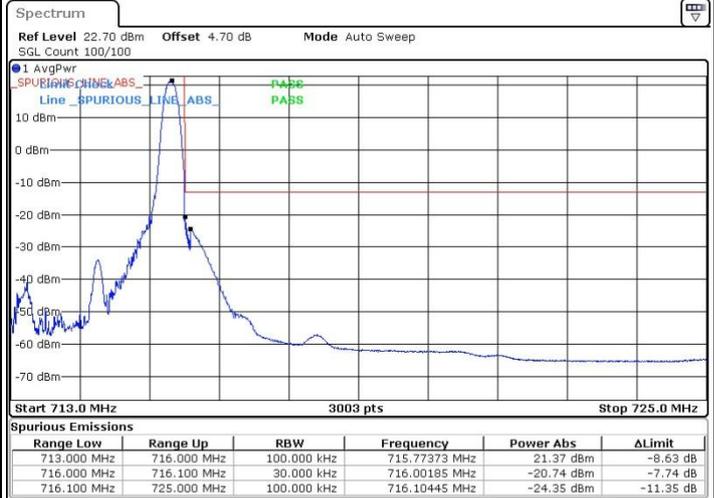
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 22 MAY 2021 03:33:27

Highest Band Edge / 1 RB



Date: 22 MAY 2021 03:36:51

Lowest Band Edge / Full RB



Date: 22 MAY 2021 03:34:35

Highest Band Edge / Full RB

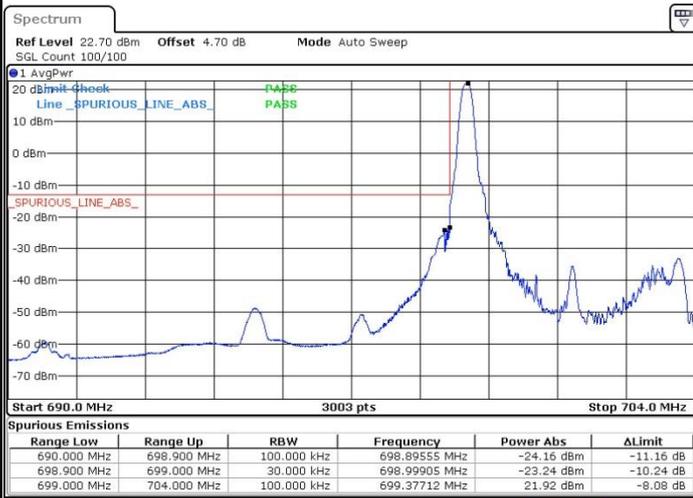


Date: 22 MAY 2021 03:35:43



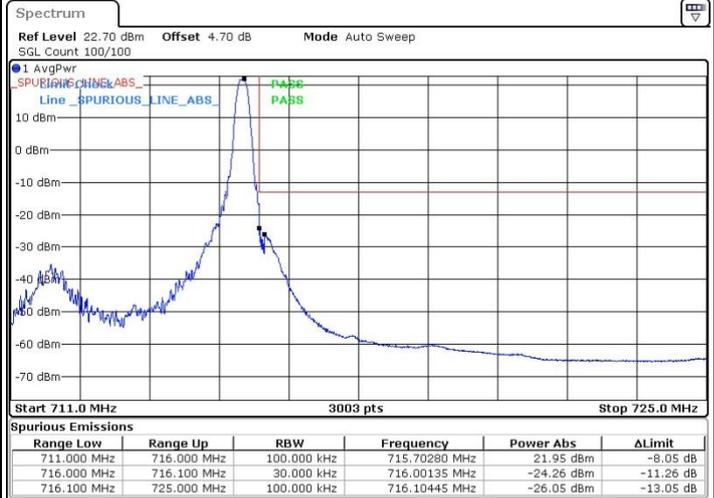
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 22 MAY 2021 03:11:55

Highest Band Edge / 1 RB



Date: 22 MAY 2021 03:17:35

Lowest Band Edge / Full RB



Date: 22 MAY 2021 03:13:03

Highest Band Edge / Full RB

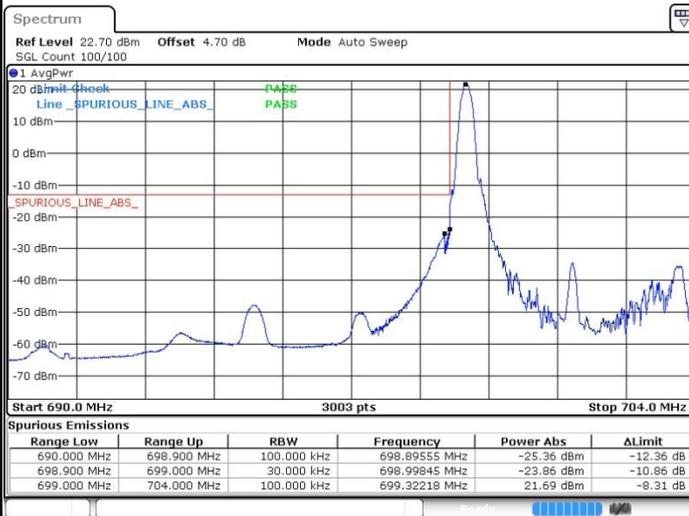


Date: 22 MAY 2021 03:16:27



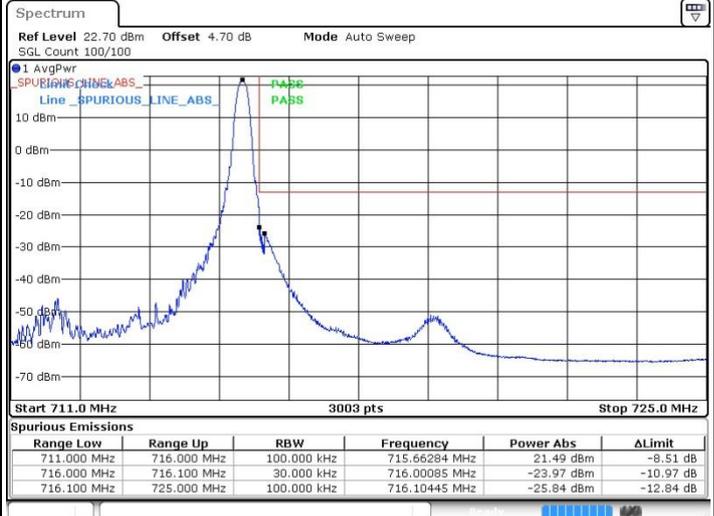
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 22 MAY 2021 03:10:47

Highest Band Edge / 1 RB



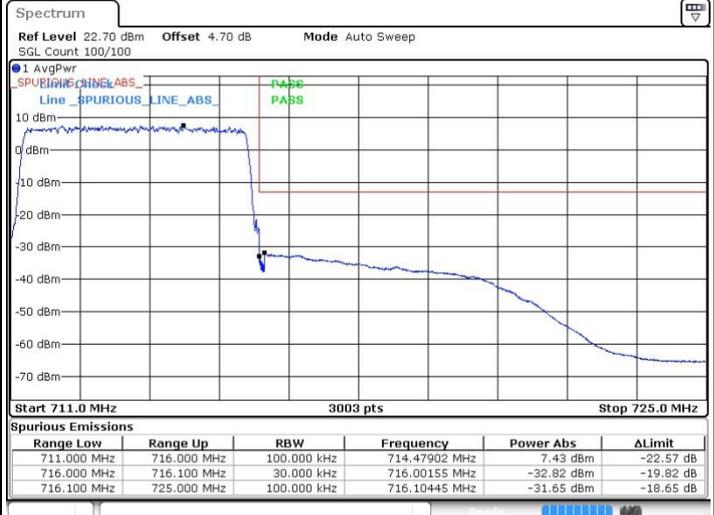
Date: 22 MAY 2021 03:18:43

Lowest Band Edge / Full RB



Date: 22 MAY 2021 03:14:11

Highest Band Edge / Full RB

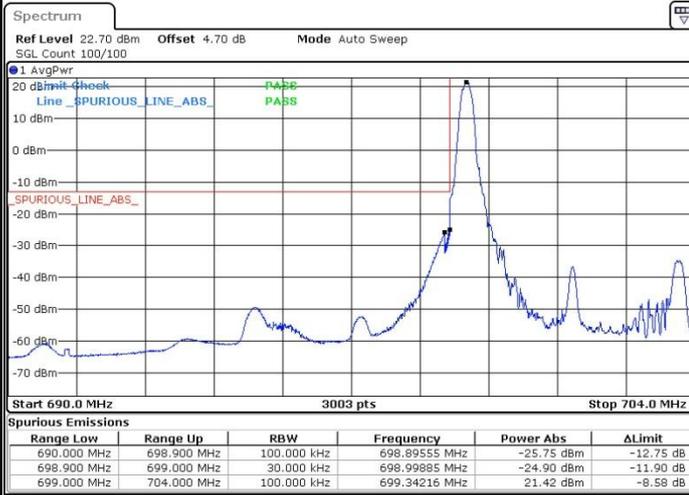


Date: 22 MAY 2021 03:15:19



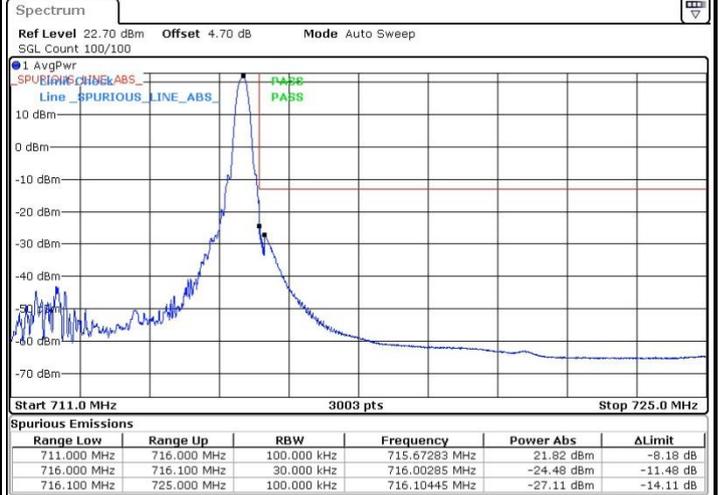
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Date: 22 MAY 2021 03:40:15

Highest Band Edge / 1 RB



Date: 22 MAY 2021 03:39:07

Lowest Band Edge / Full RB



Date: 22 MAY 2021 03:41:23

Highest Band Edge / Full RB

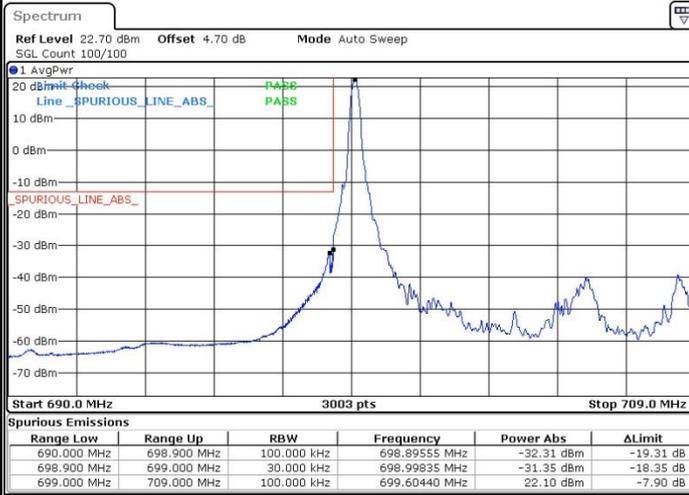


Date: 22 MAY 2021 03:37:59



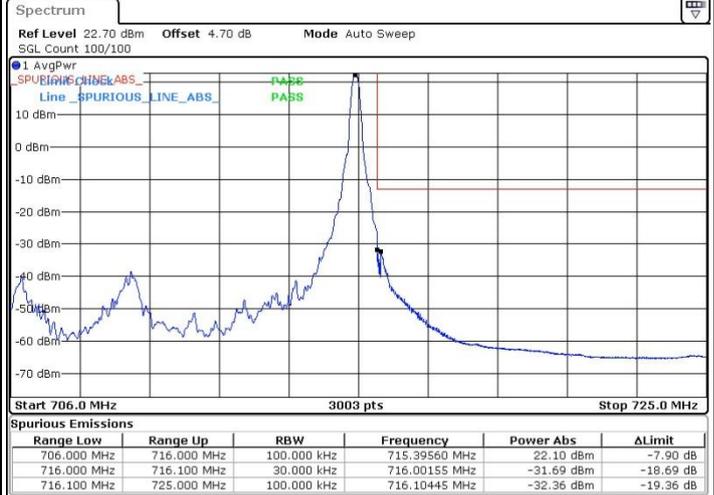
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



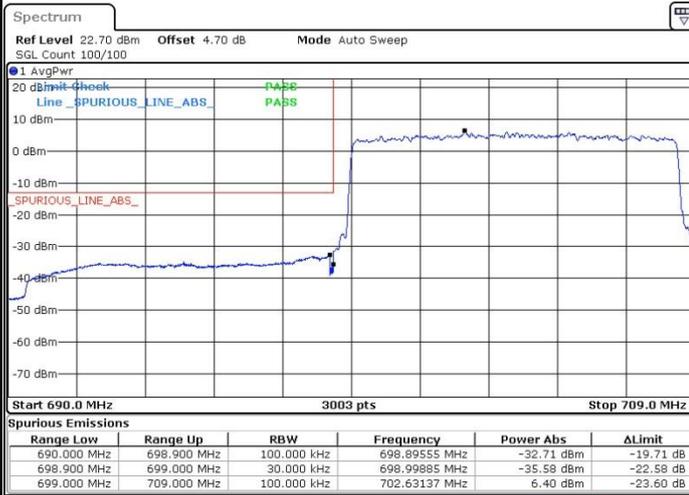
Date: 22 MAY 2021 03:20:59

Highest Band Edge / 1 RB



Date: 22 MAY 2021 03:26:39

Lowest Band Edge / Full RB



Date: 22 MAY 2021 03:22:07

Highest Band Edge / Full RB

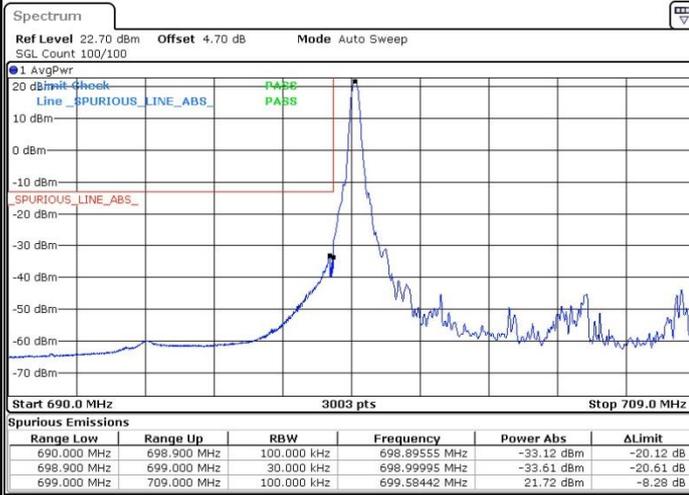


Date: 22 MAY 2021 03:25:31



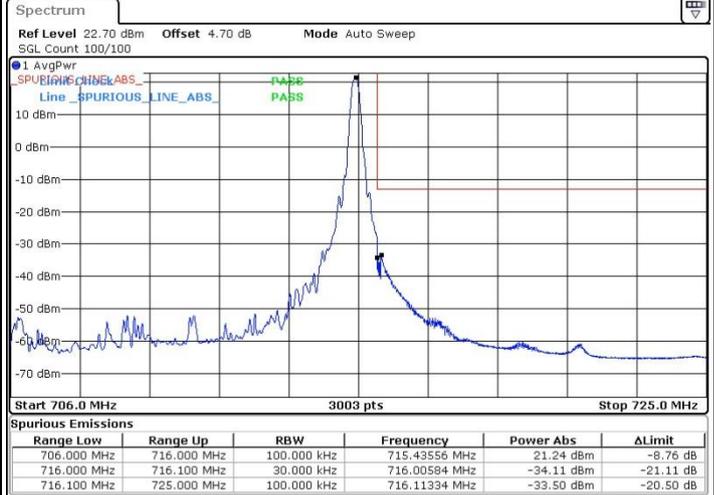
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



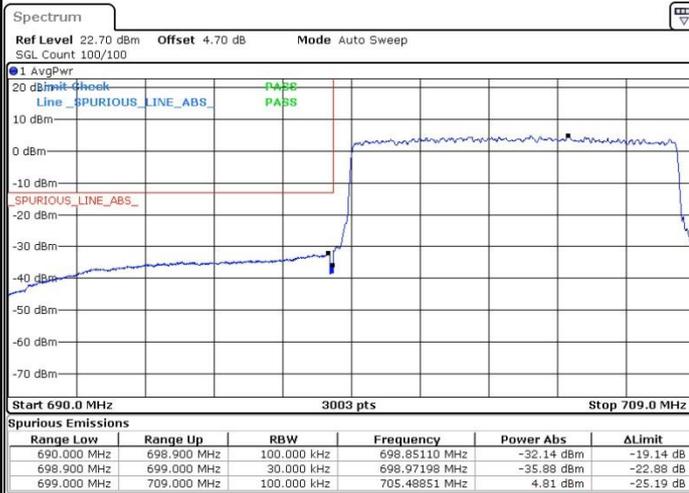
Date: 22 MAY 2021 03:19:51

Highest Band Edge / 1 RB



Date: 22 MAY 2021 03:27:47

Lowest Band Edge / Full RB



Date: 22 MAY 2021 03:23:15

Highest Band Edge / Full RB

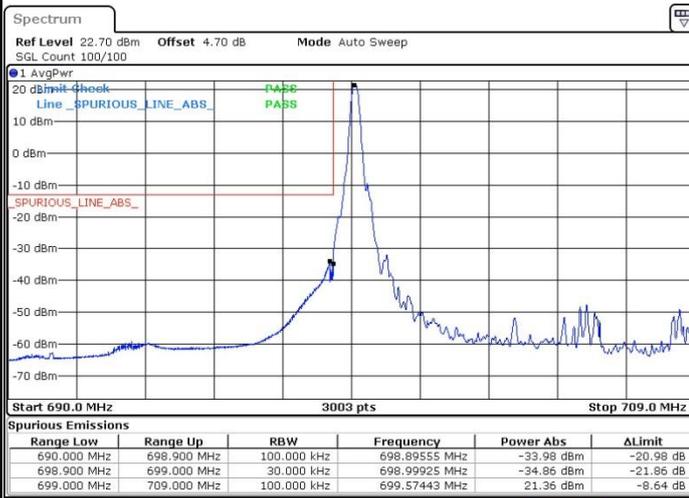


Date: 22 MAY 2021 03:24:23



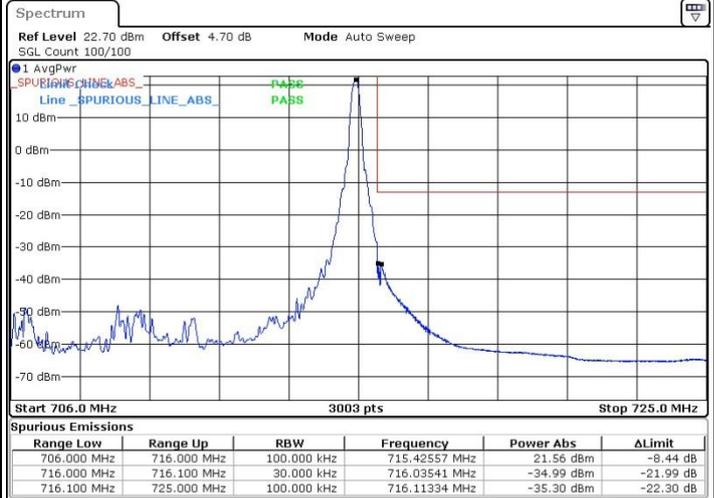
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



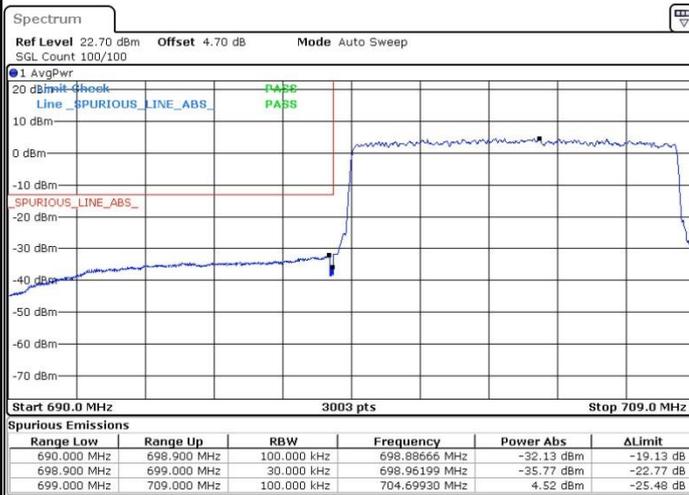
Date: 22 MAY 2021 03:44:46

Highest Band Edge / 1 RB



Date: 22 MAY 2021 03:43:38

Lowest Band Edge / Full RB



Date: 22 MAY 2021 03:45:54

Highest Band Edge / Full RB



Date: 22 MAY 2021 03:42:30



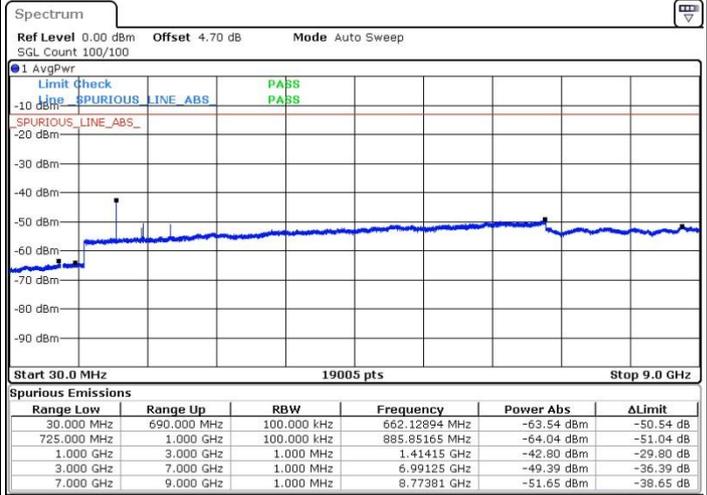
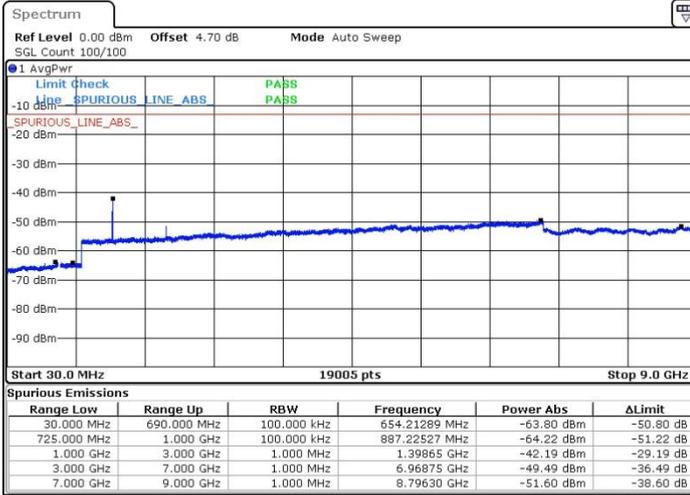
Conducted Spurious Emission



LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

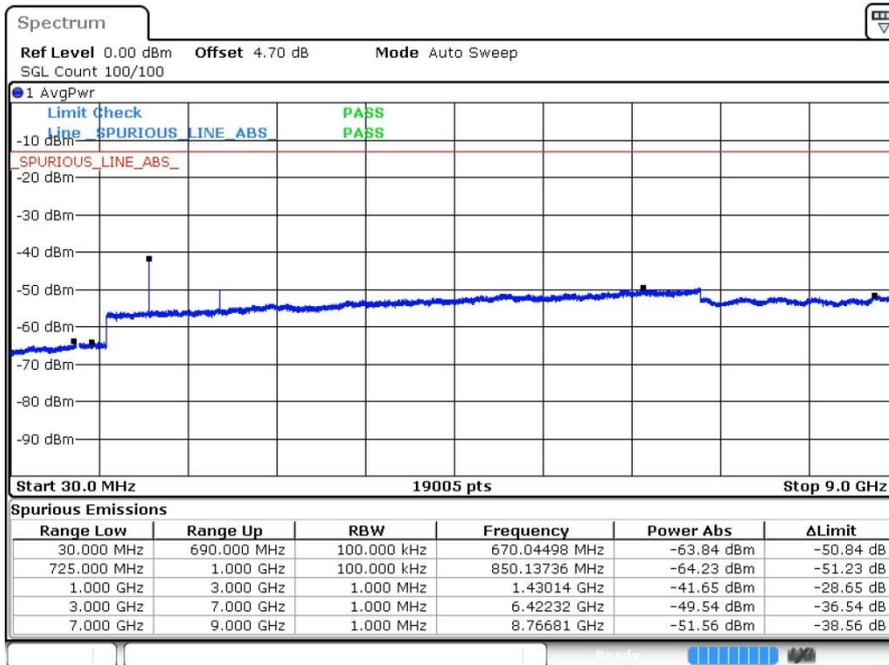
Middle Channel / QPSK



Date: 22.MAY.2021 03:47:28

Date: 22.MAY.2021 03:48:37

Highest Channel / QPSK



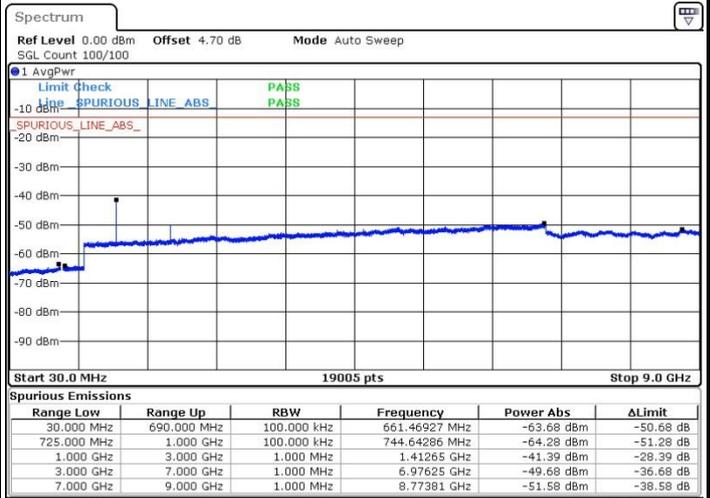
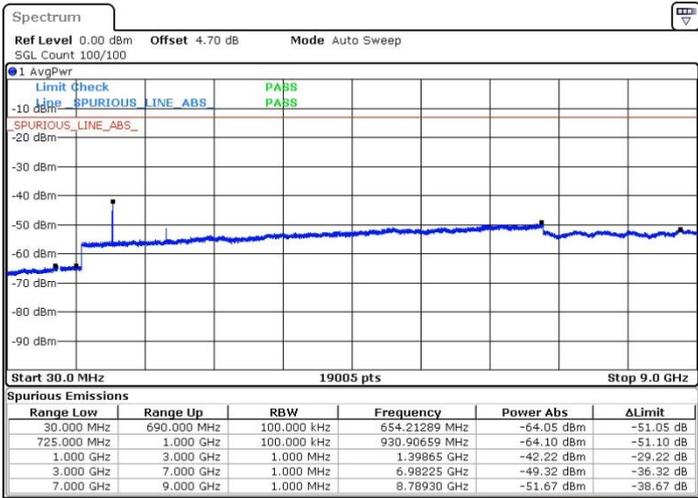
Date: 22.MAY.2021 03:49:09



LTE Band 12 / 3MHz

Lowest Channel / QPSK

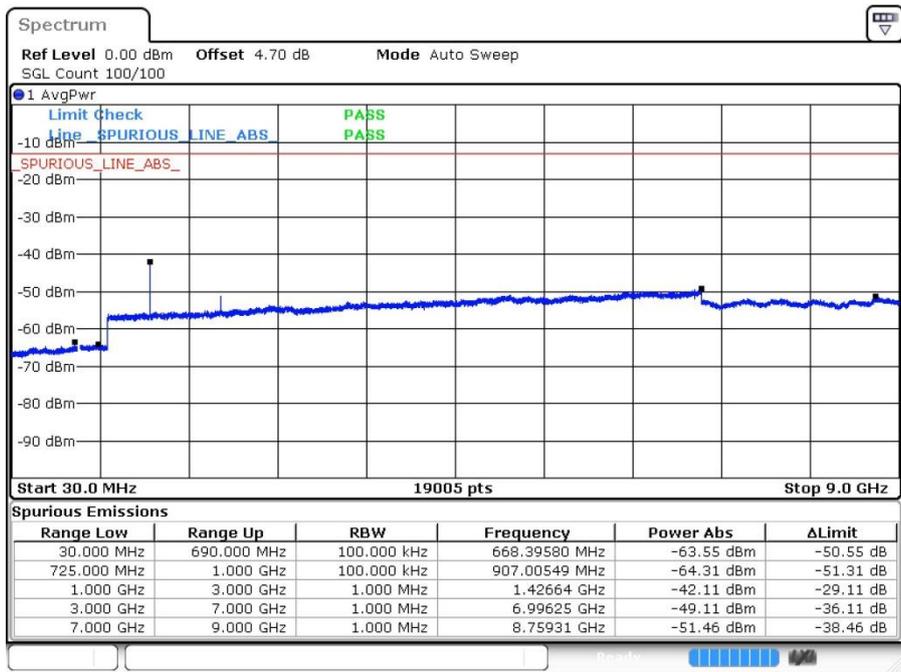
Middle Channel / QPSK



Date: 22 MAY 2021 03:49:47

Date: 22 MAY 2021 03:50:14

Highest Channel / QPSK



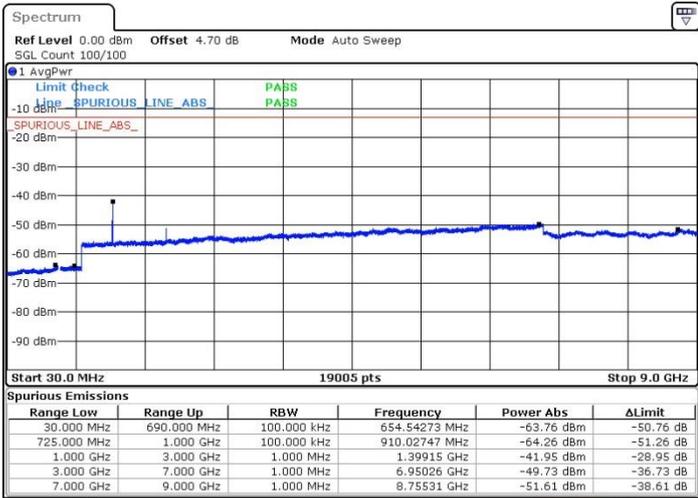
Date: 22 MAY 2021 03:50:41



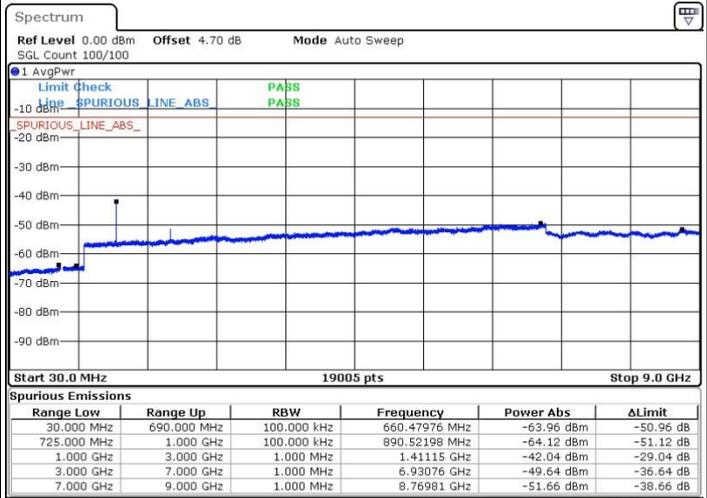
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

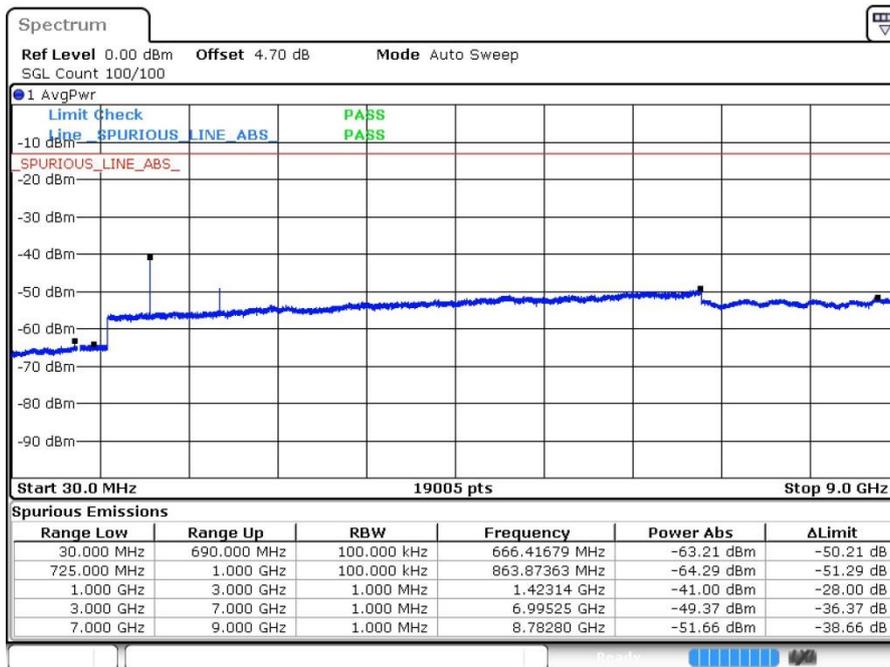


Date: 22 MAY 2021 03:51:15



Date: 22 MAY 2021 03:51:44

Highest Channel / QPSK



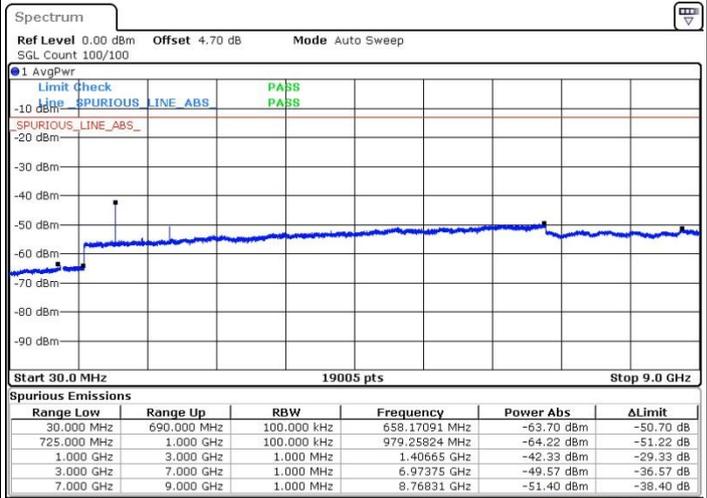
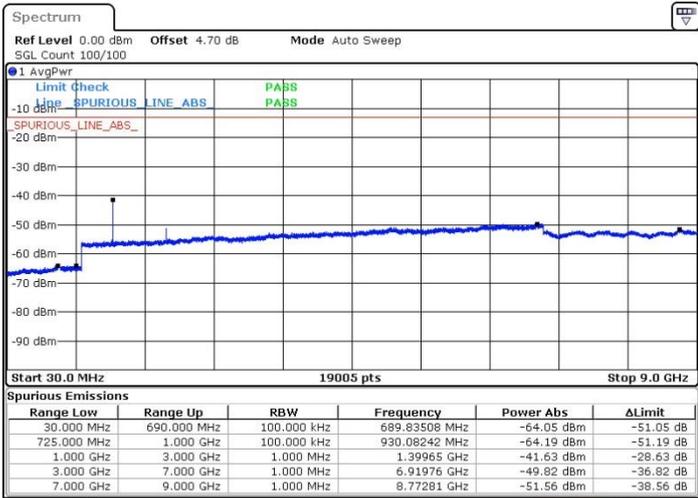
Date: 22 MAY 2021 03:52:11



LTE Band 12 / 10MHz

Lowest Channel / QPSK

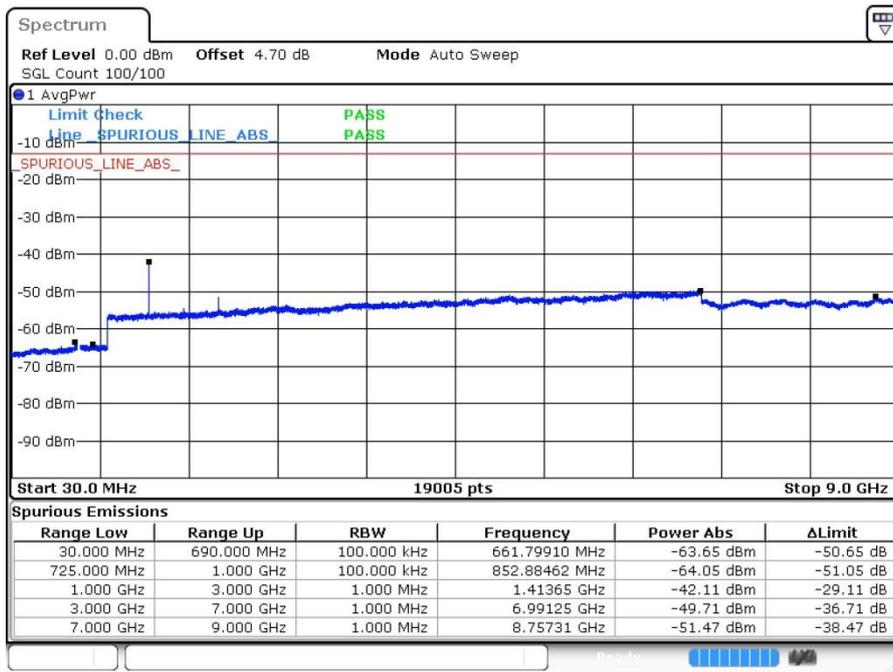
Middle Channel / QPSK



Date: 22 MAY 2021 03:52:40

Date: 22 MAY 2021 03:53:07

Highest Channel / QPSK



Date: 22 MAY 2021 03:53:35



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	0.0014	PASS
40	Normal Voltage	0.0066	
30	Normal Voltage	0.0086	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0068	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0082	
-30	Normal Voltage	0.0073	
20	Maximum Voltage	0.0083	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0112	

Note:

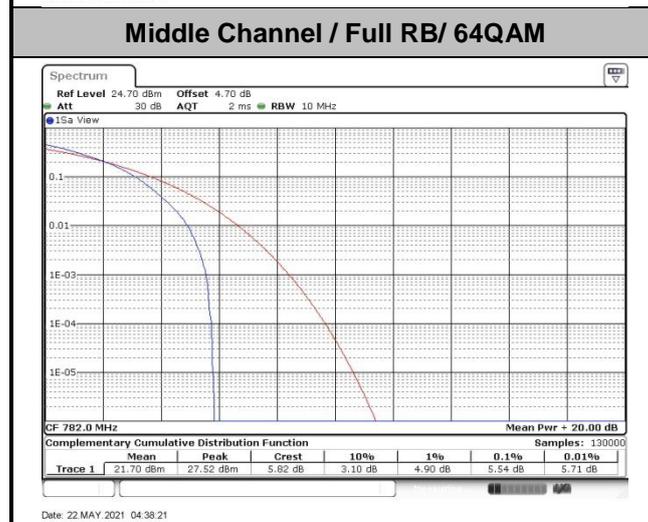
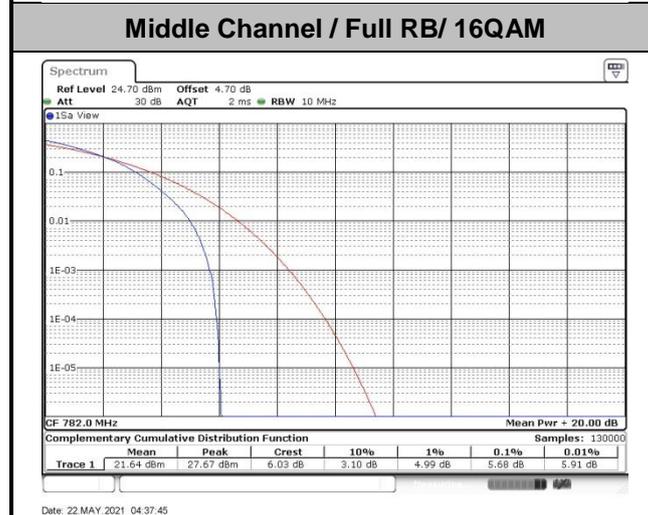
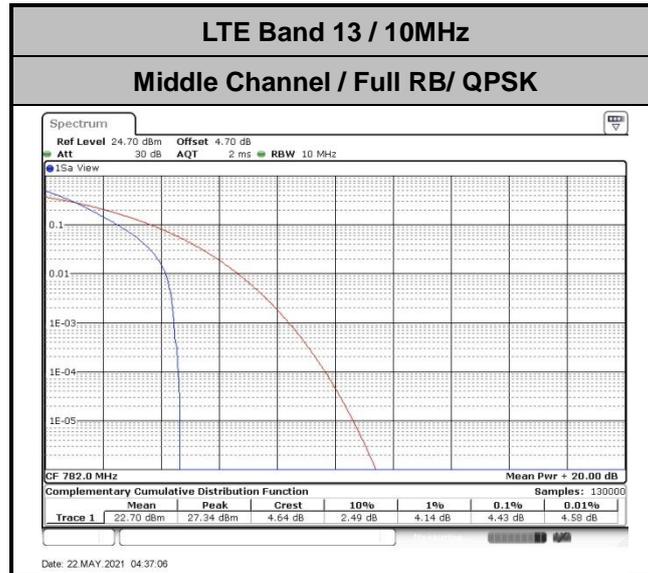
1. Normal Voltage =7.74V ; Battery End Point (BEP) =6.9V ; Maximum Voltage =8.9V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

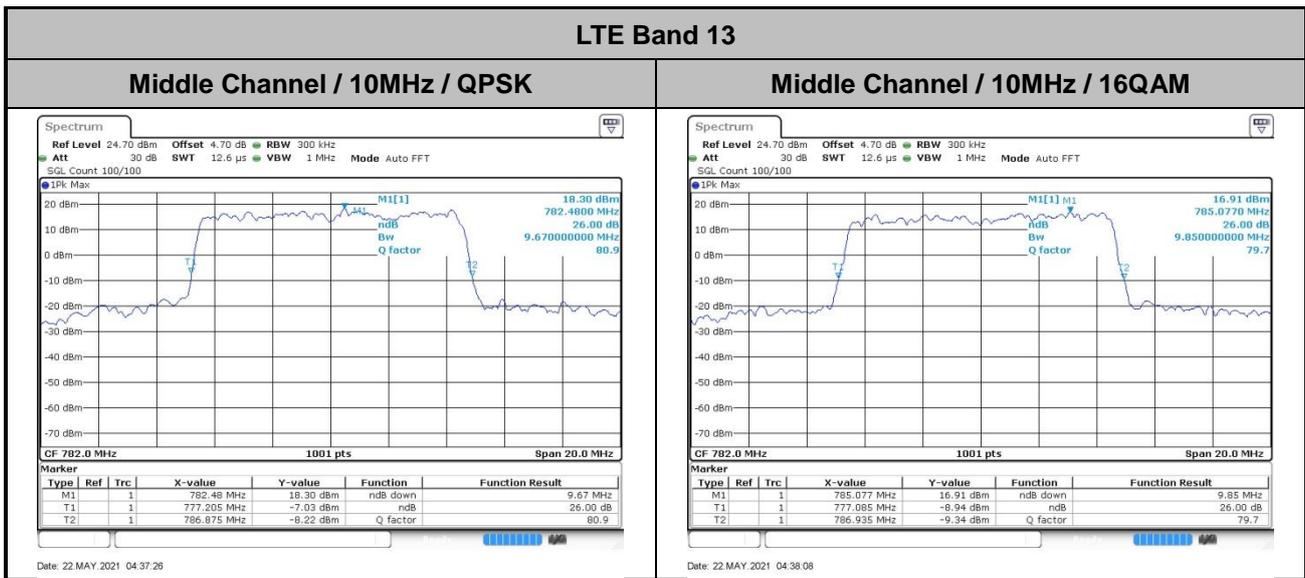
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.43	5.68	5.54	PASS





26dB Bandwidth

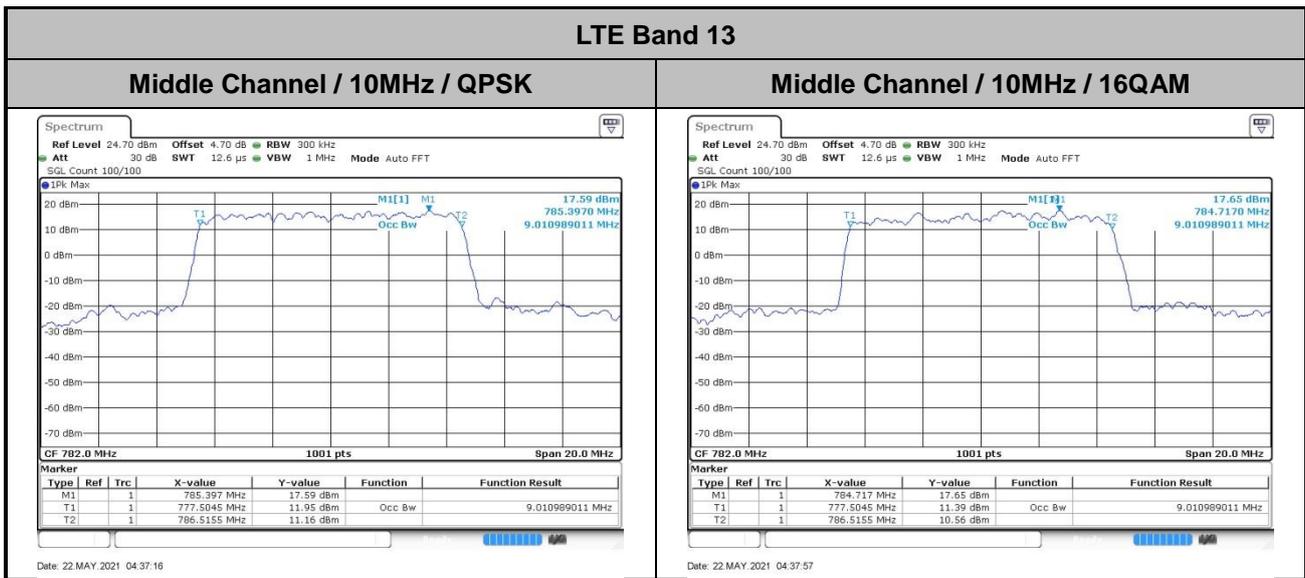
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.67	9.85





Occupied Bandwidth

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





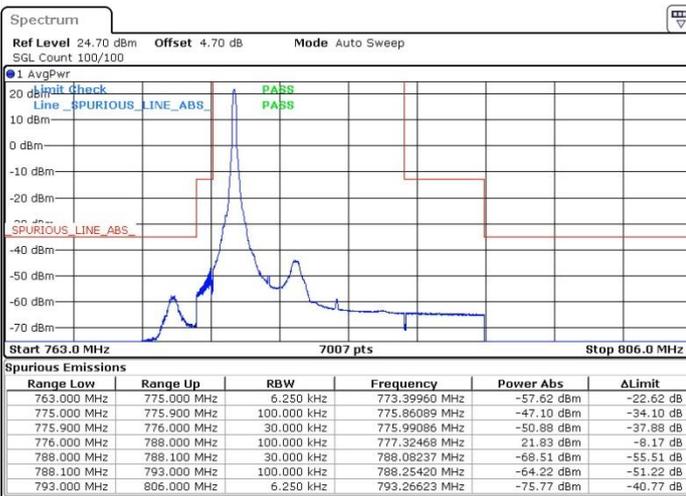
Conducted Band Edge



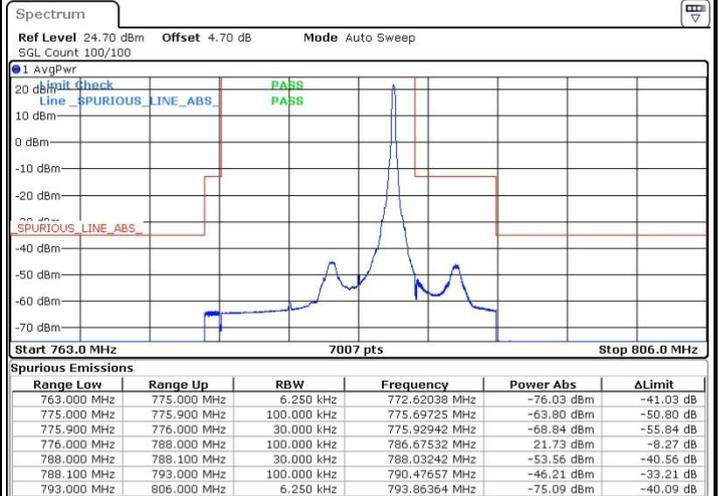
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 22 MAY 2021 04:04:27



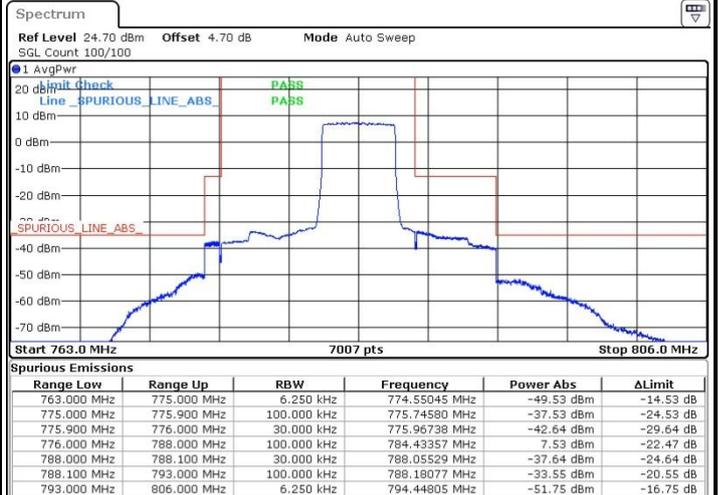
Date: 22 MAY 2021 04:11:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22 MAY 2021 04:02:49



Date: 22 MAY 2021 04:09:22