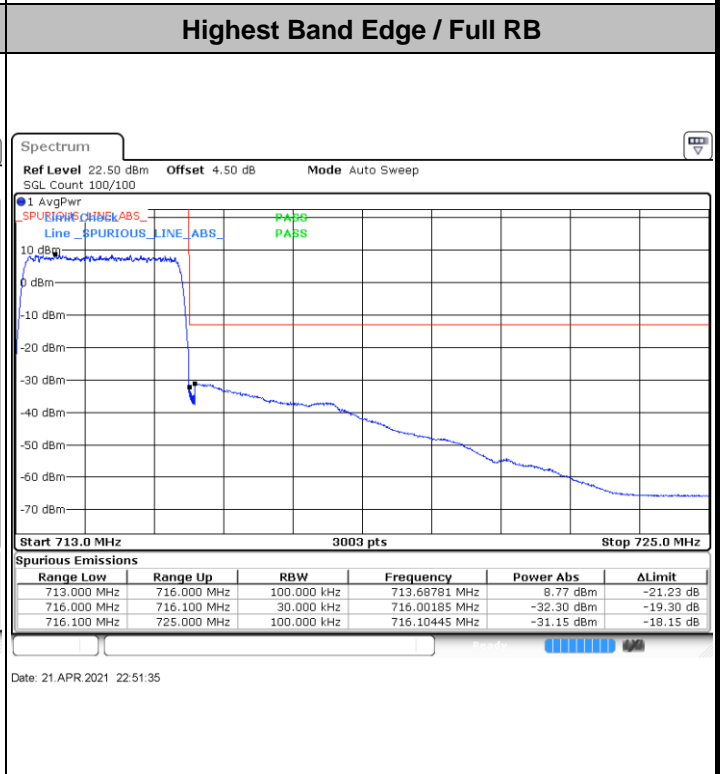
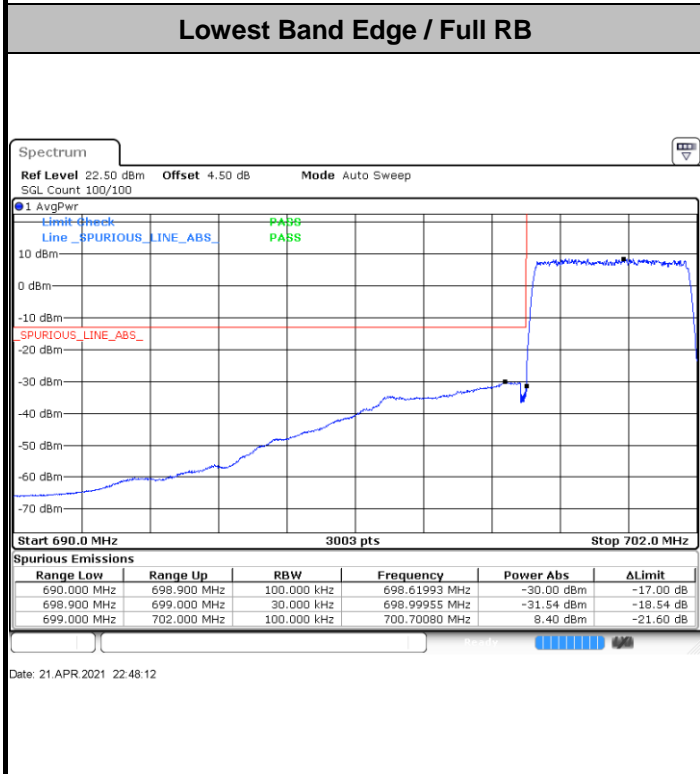
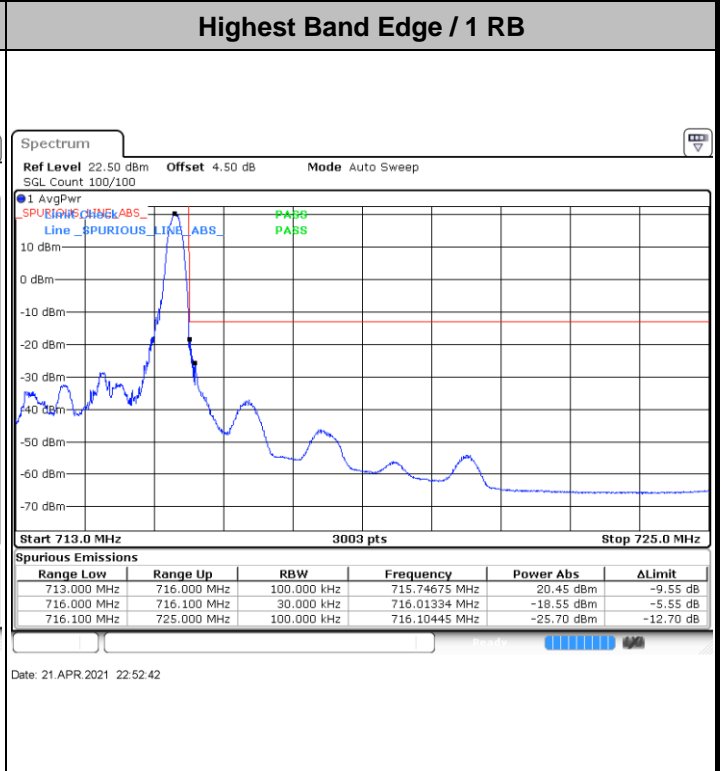
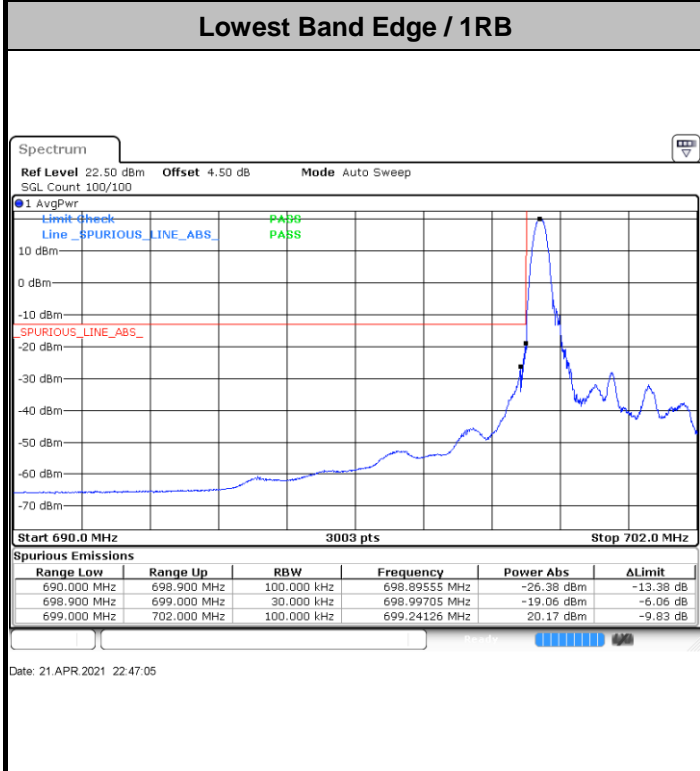




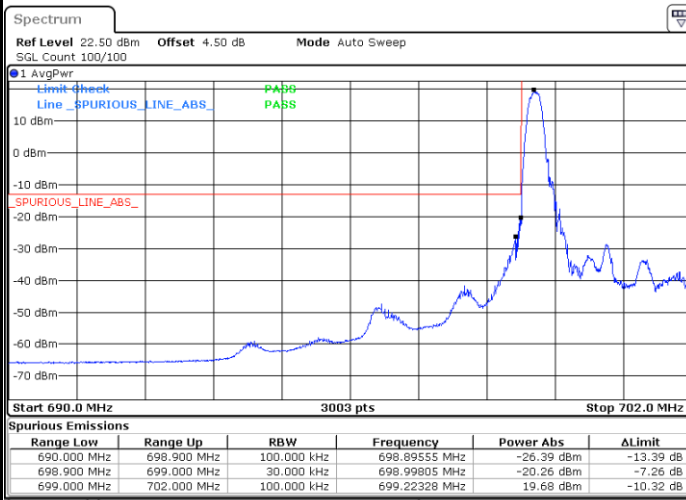
LTE Band 12 / 3MHz / QPSK





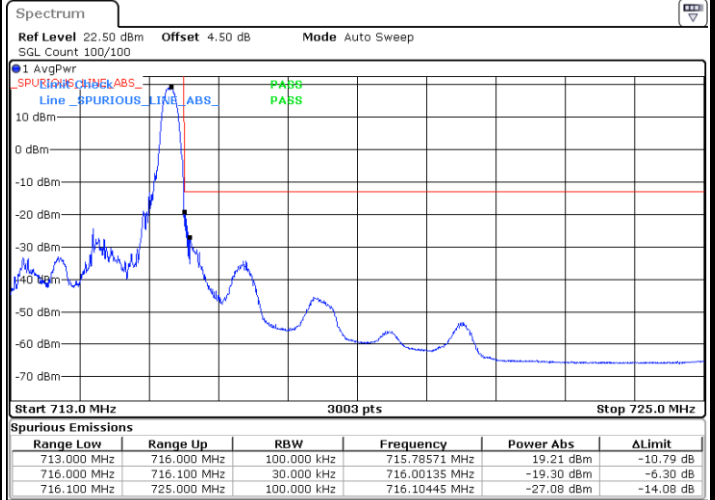
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



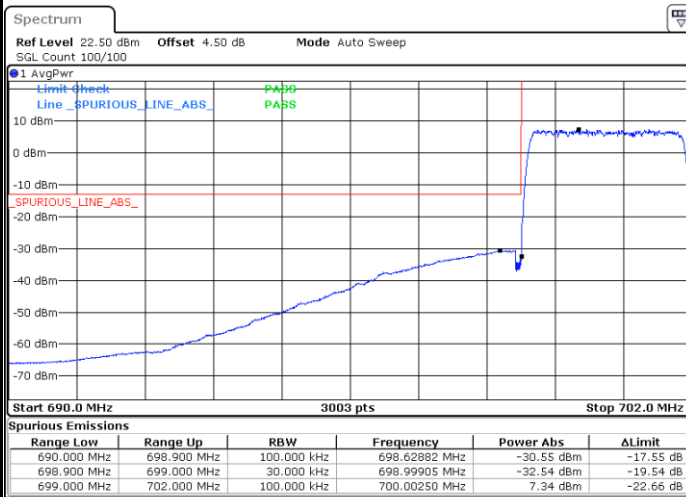
Date: 21 APR 2021 22:45:57

Highest Band Edge / 1 RB



Date: 21 APR 2021 22:53:50

Lowest Band Edge / Full RB



Date: 21 APR 2021 22:49:20

Highest Band Edge / Full RB

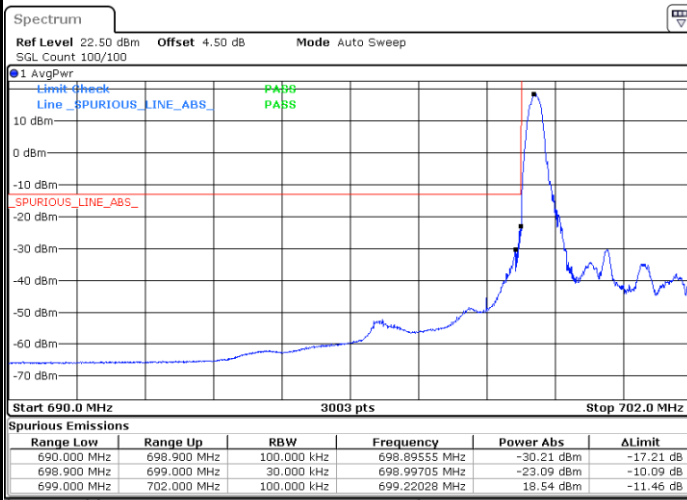


Date: 21 APR 2021 22:50:27



LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



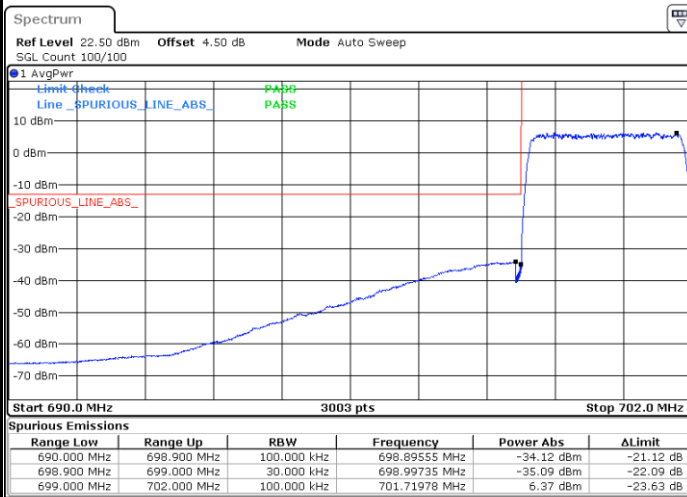
Date: 21 APR 2021 23:24:36

Highest Band Edge / 1 RB



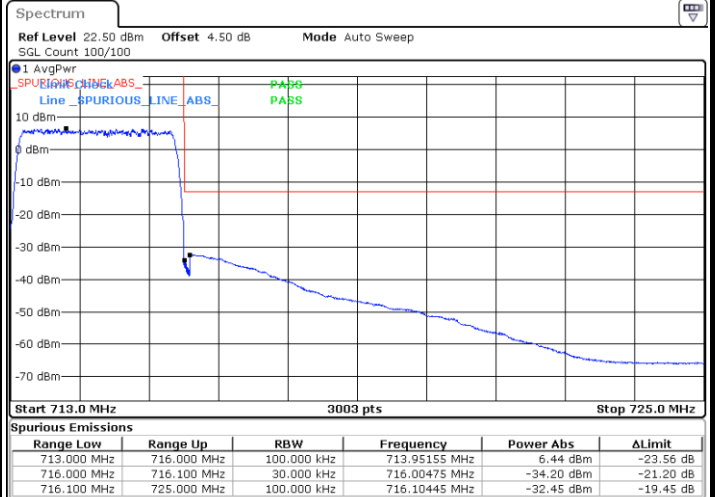
Date: 21 APR 2021 23:27:58

Lowest Band Edge / Full RB



Date: 21 APR 2021 23:25:43

Highest Band Edge / Full RB

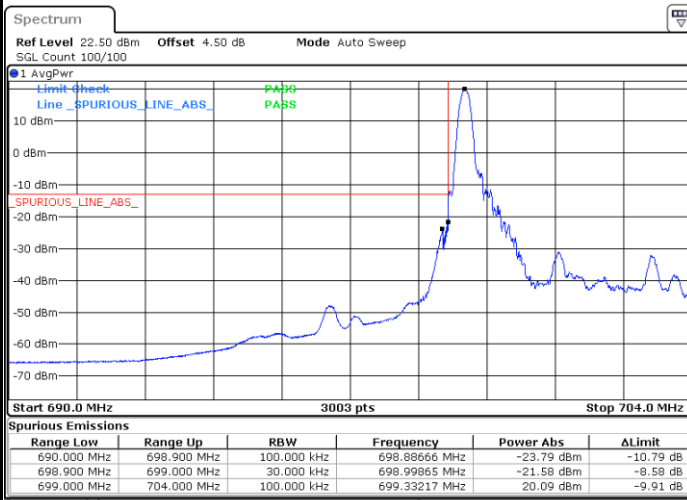


Date: 21 APR 2021 23:26:51



LTE Band 12 / 5MHz / QPSK

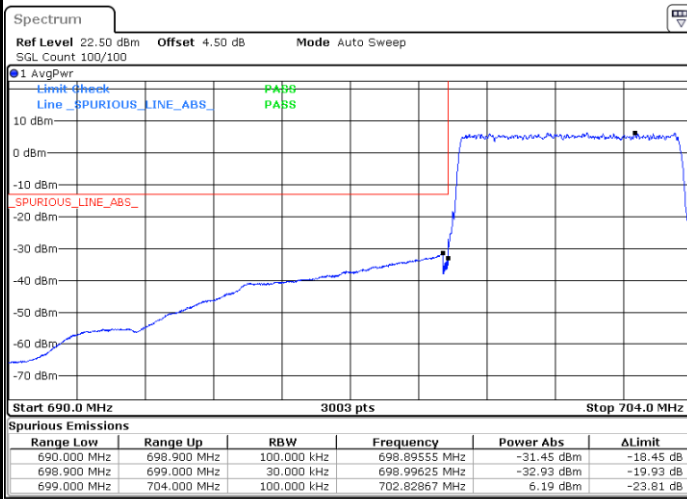
Lowest Band Edge / 1 RB



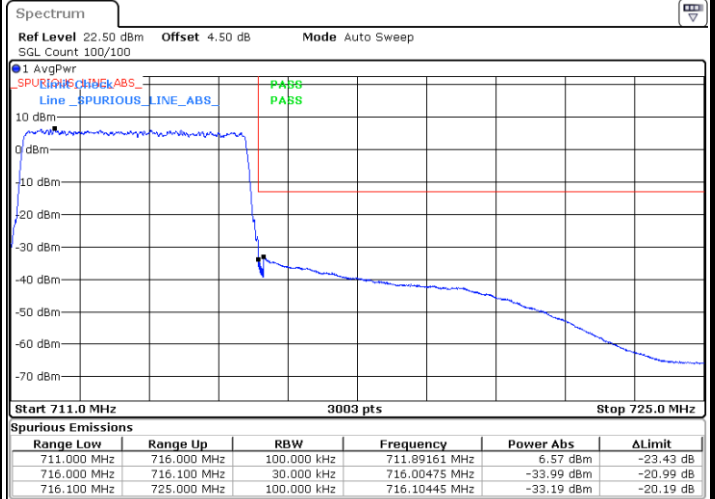
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



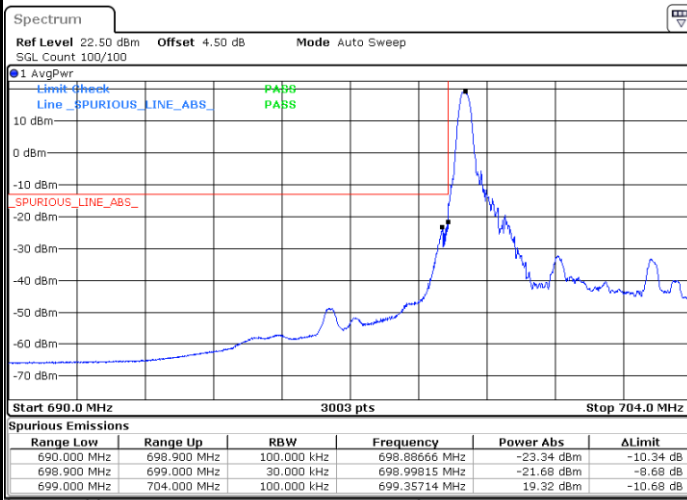
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



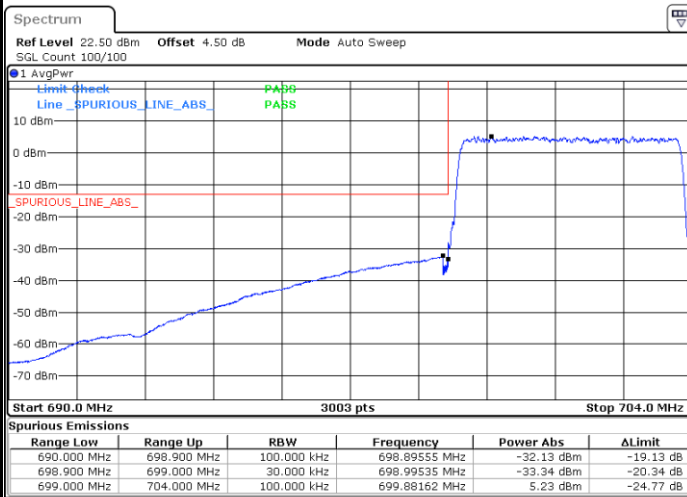
Date: 21 APR 2021 22:57:09

Highest Band Edge / 1 RB



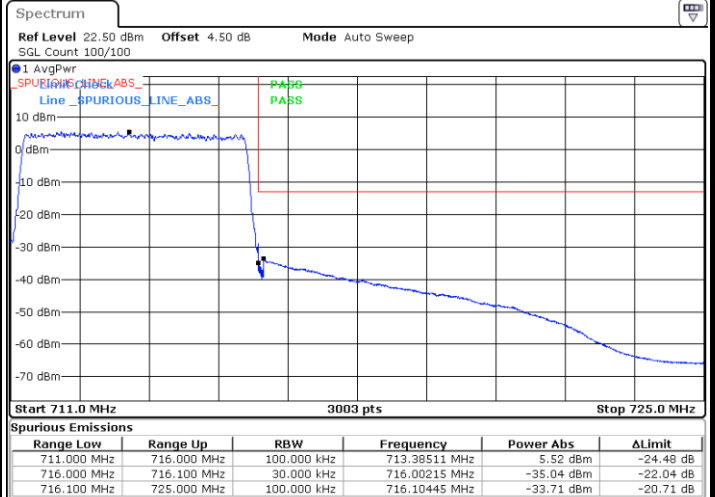
Date: 21 APR 2021 23:05:50

Lowest Band Edge / Full RB



Date: 21 APR 2021 23:00:31

Highest Band Edge / Full RB

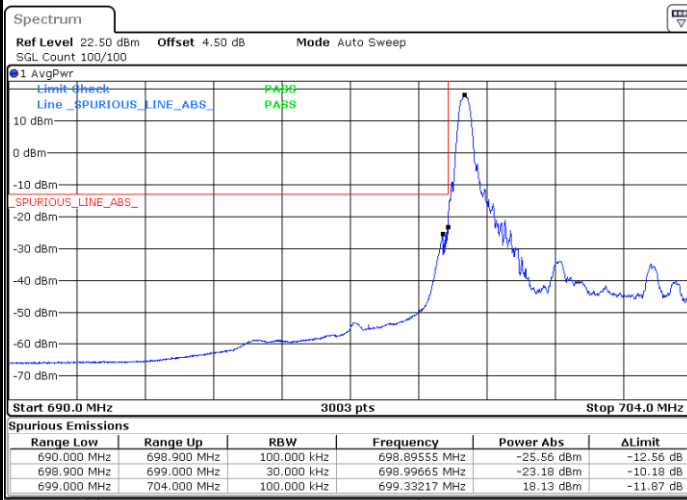


Date: 21 APR 2021 23:01:39



LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



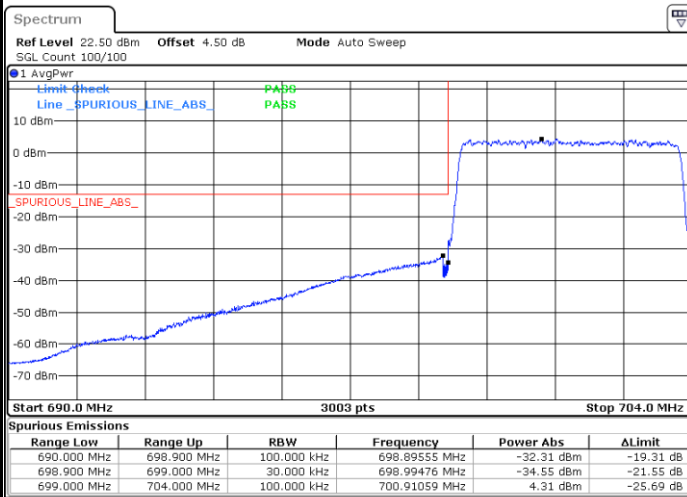
Date: 21 APR 2021 23:31:40

Highest Band Edge / 1 RB



Date: 21 APR 2021 23:30:33

Lowest Band Edge / Full RB



Date: 21 APR 2021 23:32:48

Highest Band Edge / Full RB

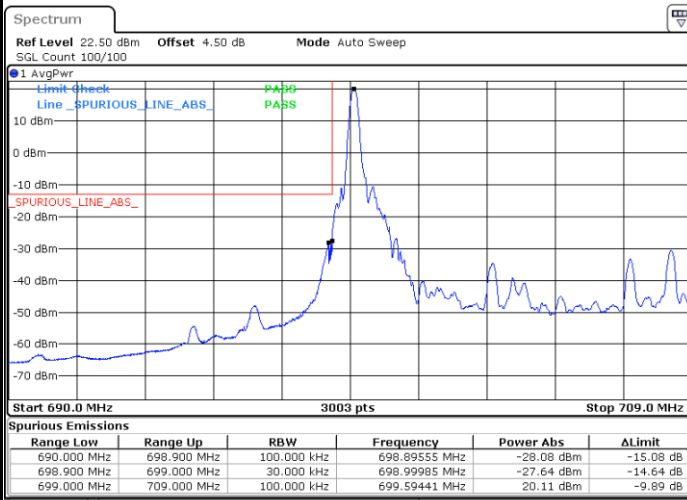


Date: 21 APR 2021 23:29:25



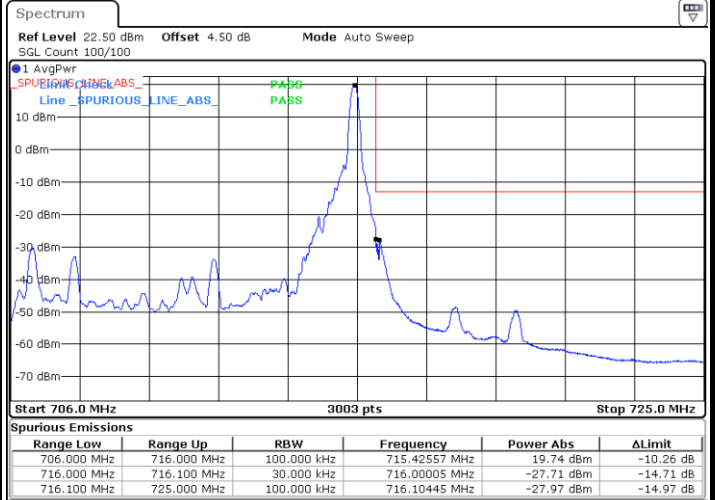
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



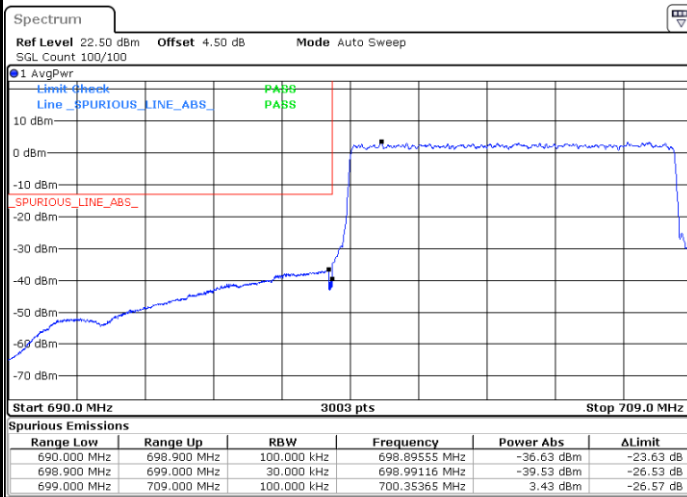
Date: 21 APR 2021 23:11:52

Highest Band Edge / 1 RB



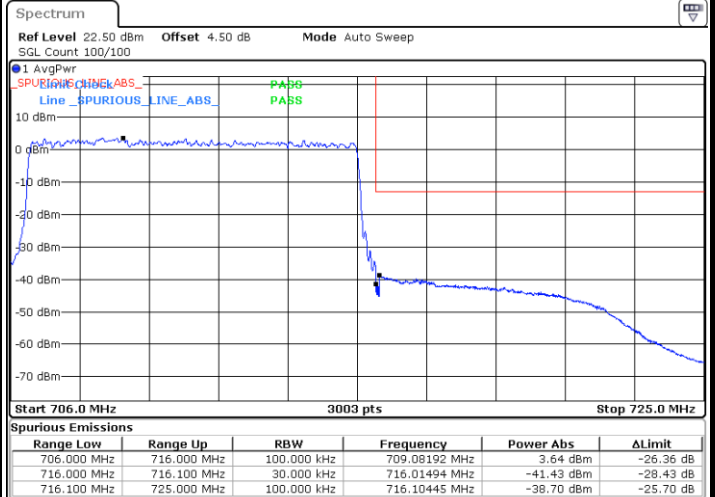
Date: 21 APR 2021 23:17:30

Lowest Band Edge / Full RB



Date: 21 APR 2021 23:13:00

Highest Band Edge / Full RB

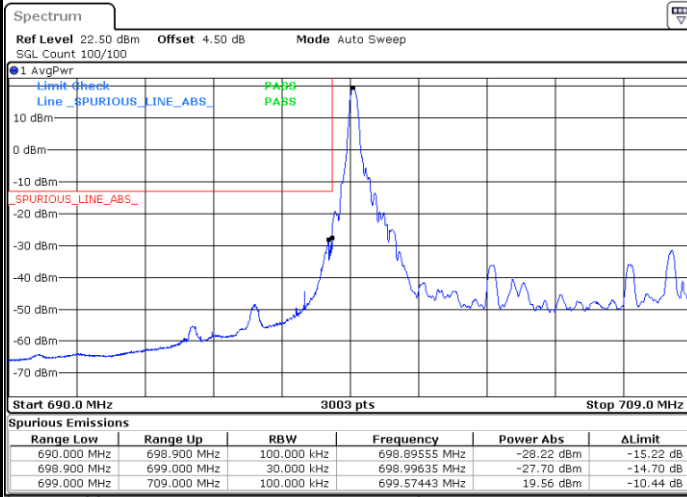


Date: 21 APR 2021 23:16:22



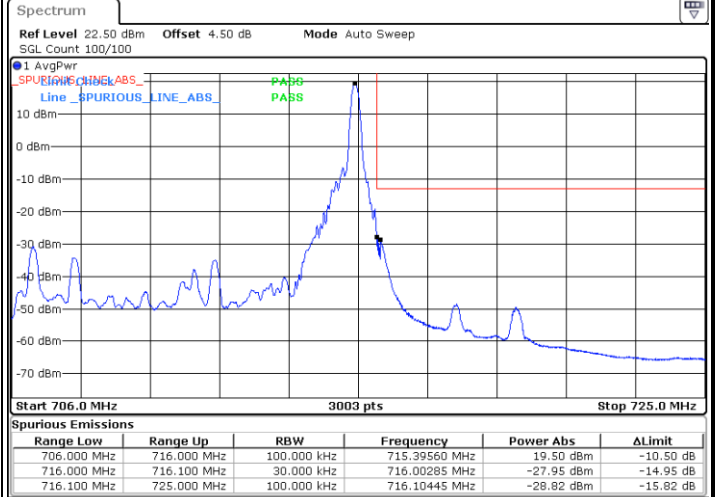
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



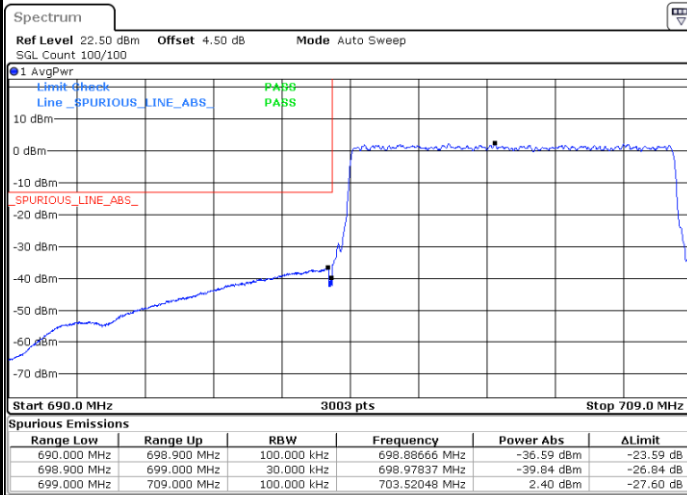
Date: 21 APR 2021 23:10:45

Highest Band Edge / 1 RB



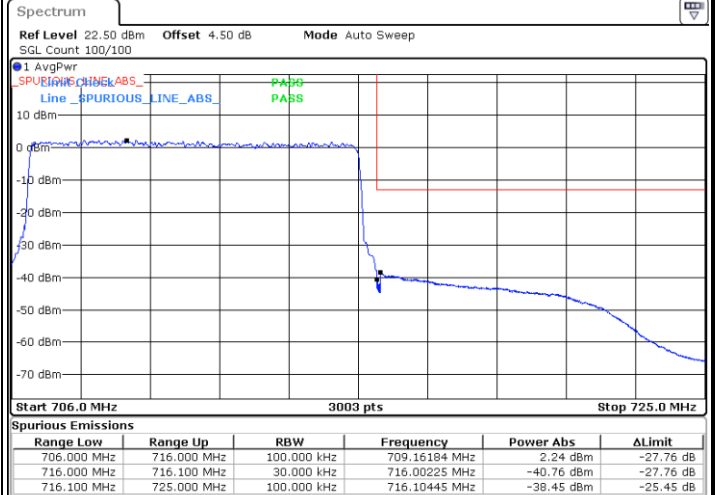
Date: 21 APR 2021 23:18:37

Lowest Band Edge / Full RB



Date: 21 APR 2021 23:14:07

Highest Band Edge / Full RB

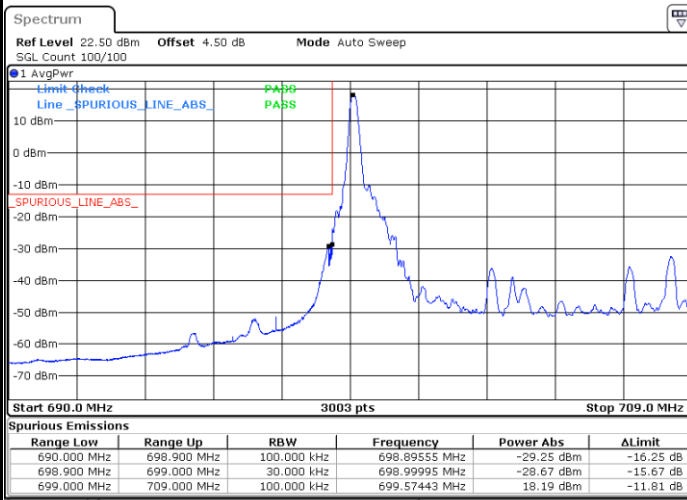


Date: 21 APR 2021 23:15:15



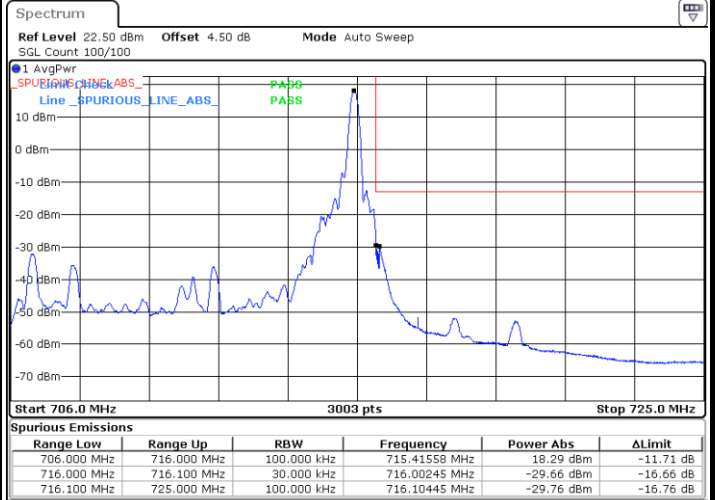
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



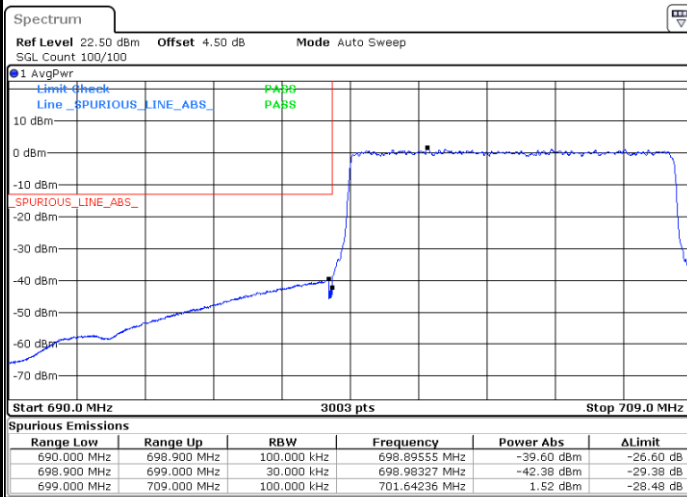
Date: 21 APR 2021 23:36:58

Highest Band Edge / 1 RB



Date: 21 APR 2021 23:35:50

Lowest Band Edge / Full RB



Date: 21 APR 2021 23:38:05

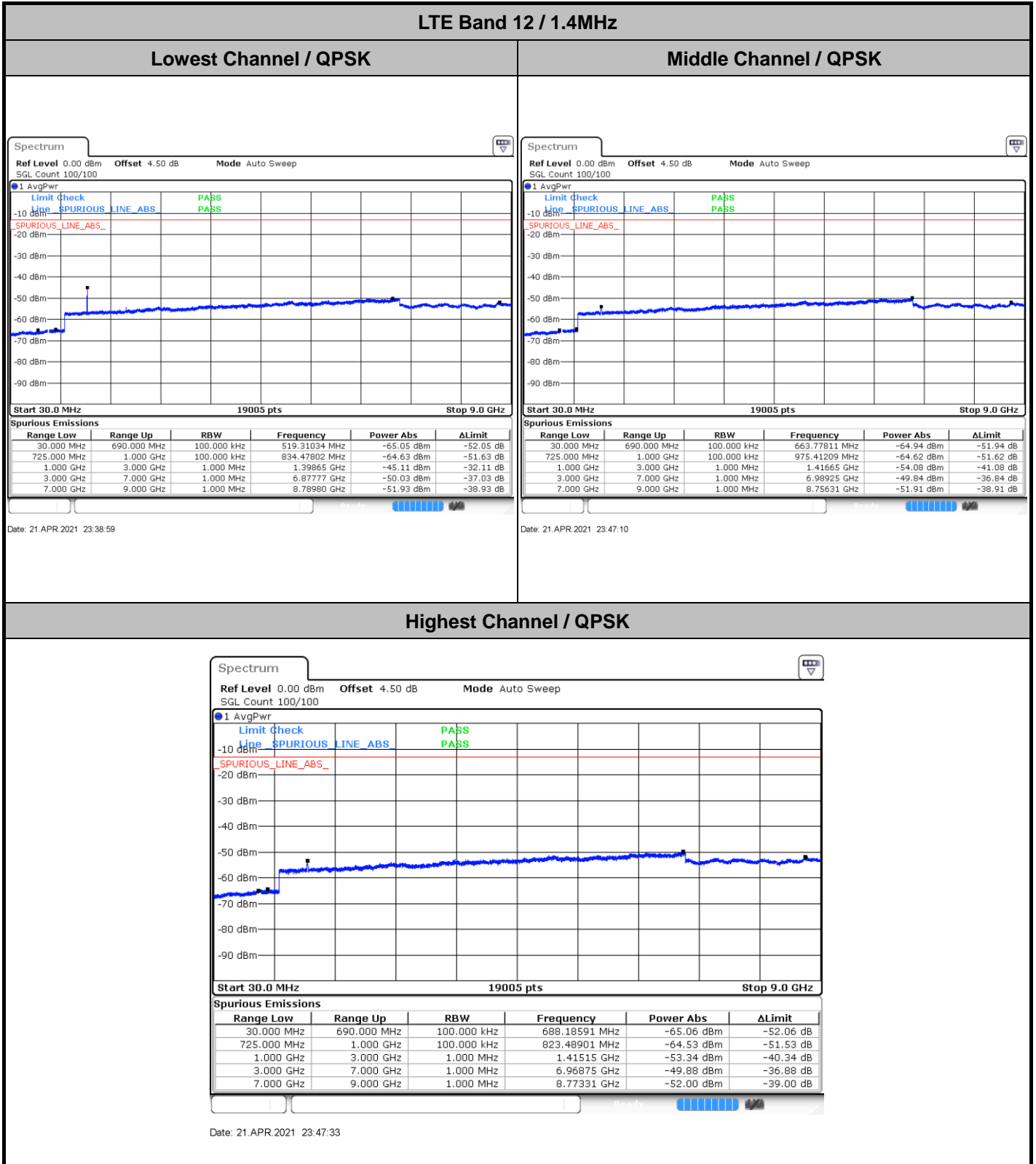
Highest Band Edge / Full RB



Date: 21 APR 2021 23:34:43



Conducted Spurious Emission

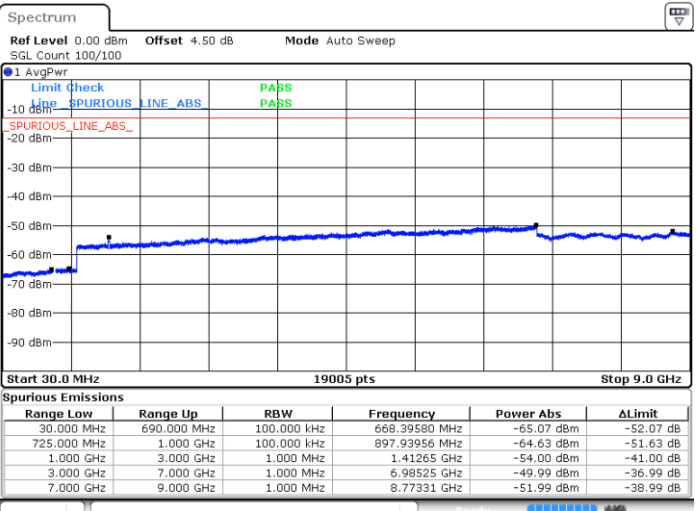
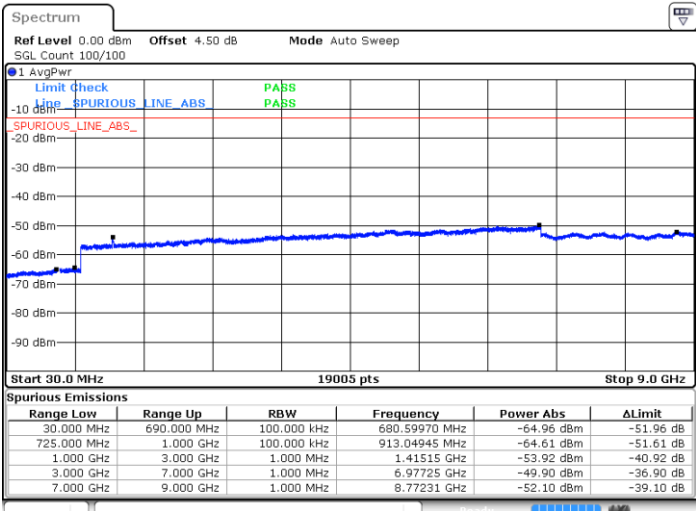




LTE Band 12 / 3MHz

Lowest Channel / QPSK

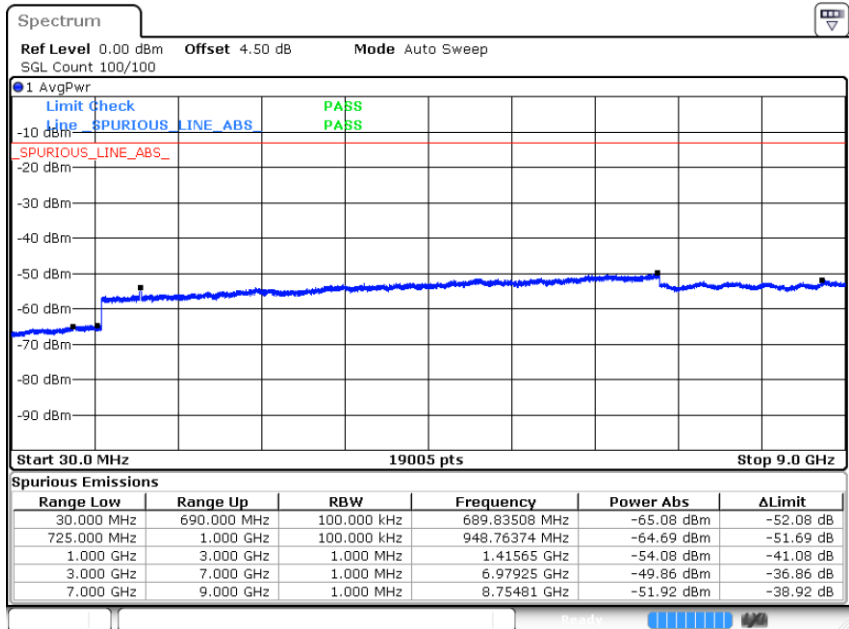
Middle Channel / QPSK



Date: 21.APR.2021 23:45:44

Date: 21.APR.2021 23:46:09

Highest Channel / QPSK



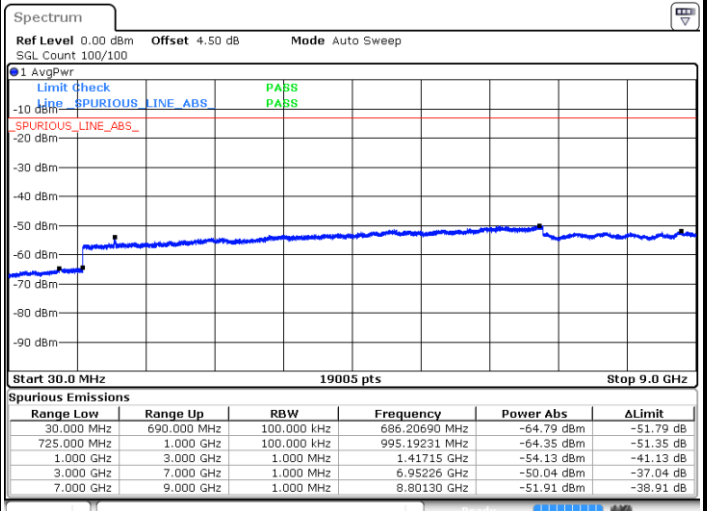
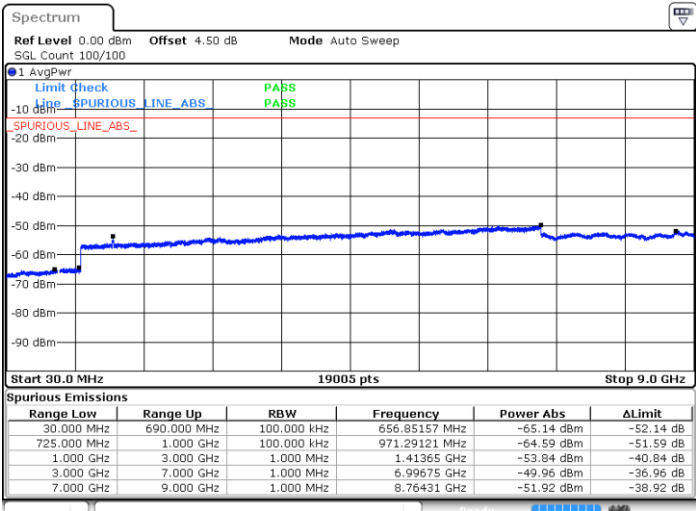
Date: 21.APR.2021 23:46:36



LTE Band 12 / 5MHz

Lowest Channel / QPSK

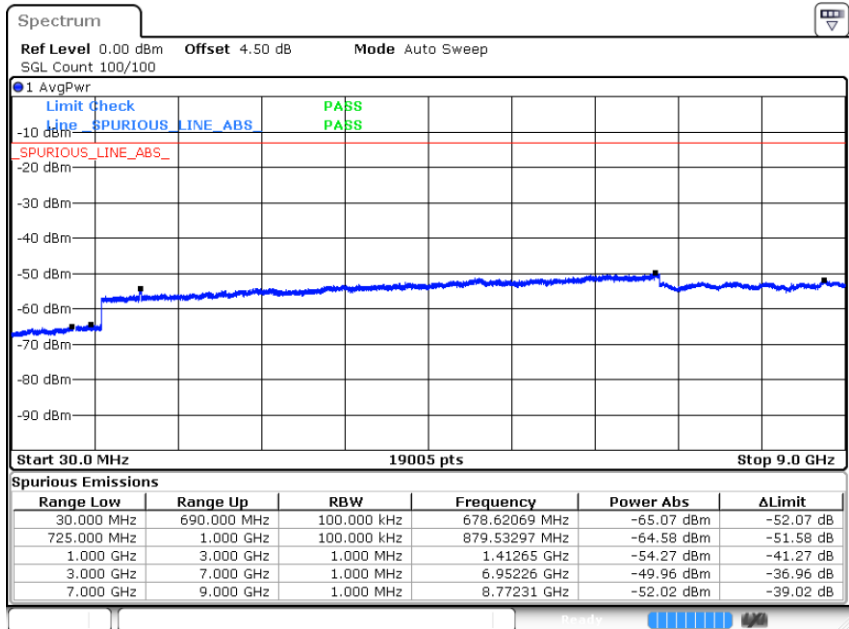
Middle Channel / QPSK



Date: 21.APR.2021 23:44:16

Date: 21.APR.2021 23:44:47

Highest Channel / QPSK



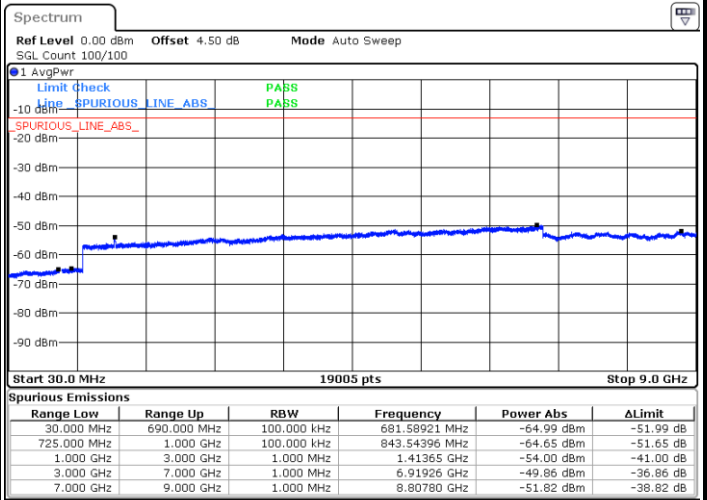
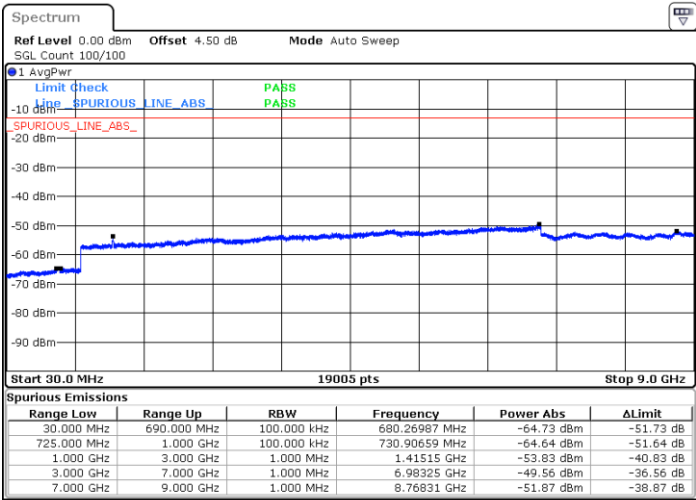
Date: 21.APR.2021 23:45:09



LTE Band 12 / 10MHz

Lowest Channel / QPSK

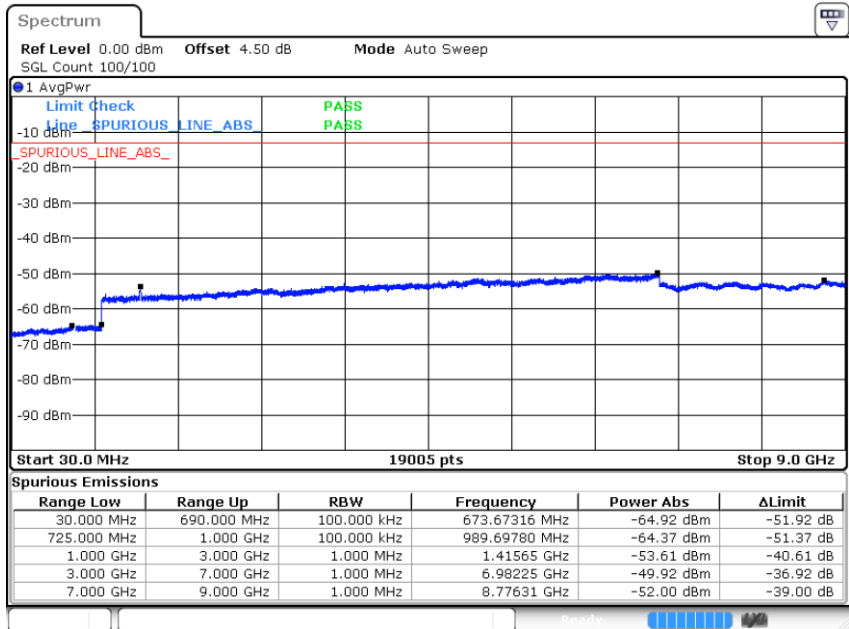
Middle Channel / QPSK



Date: 21.APR.2021 23:42:52

Date: 21.APR.2021 23:42:27

Highest Channel / QPSK



Date: 21.APR.2021 23:43:19



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	0.0002	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0010	
20	Battery End Point	0.0012	

Note:

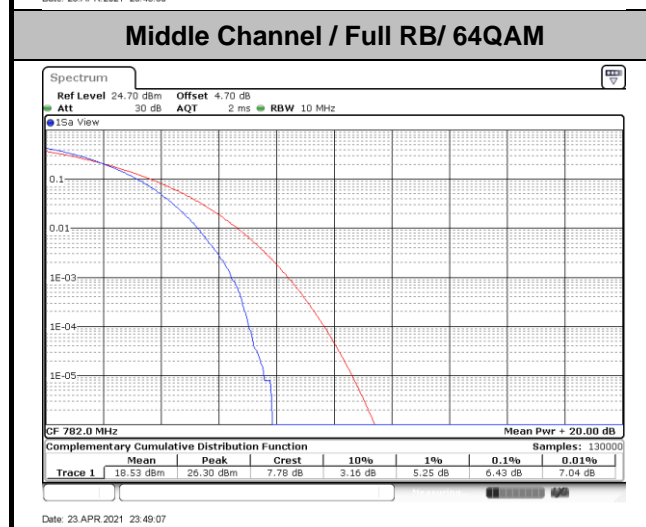
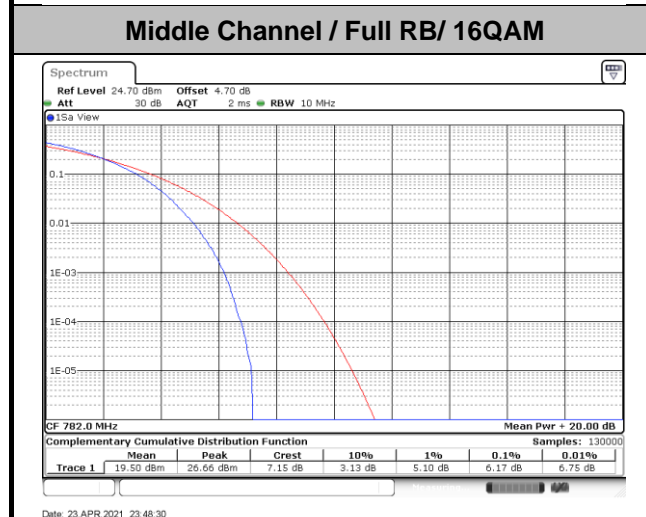
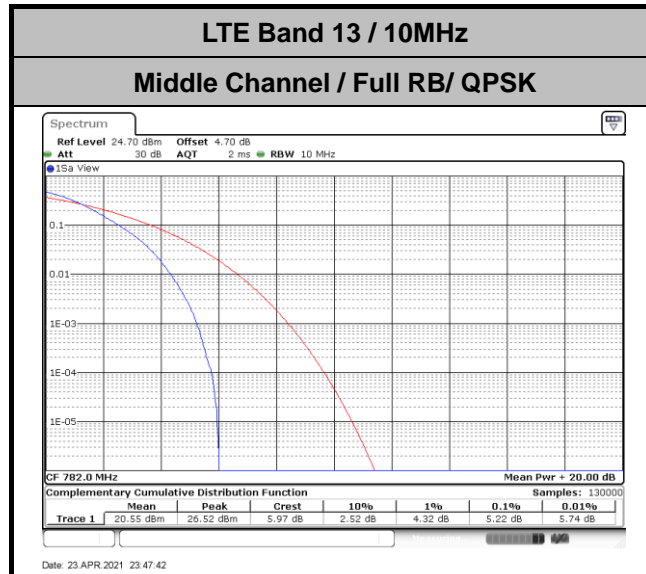
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

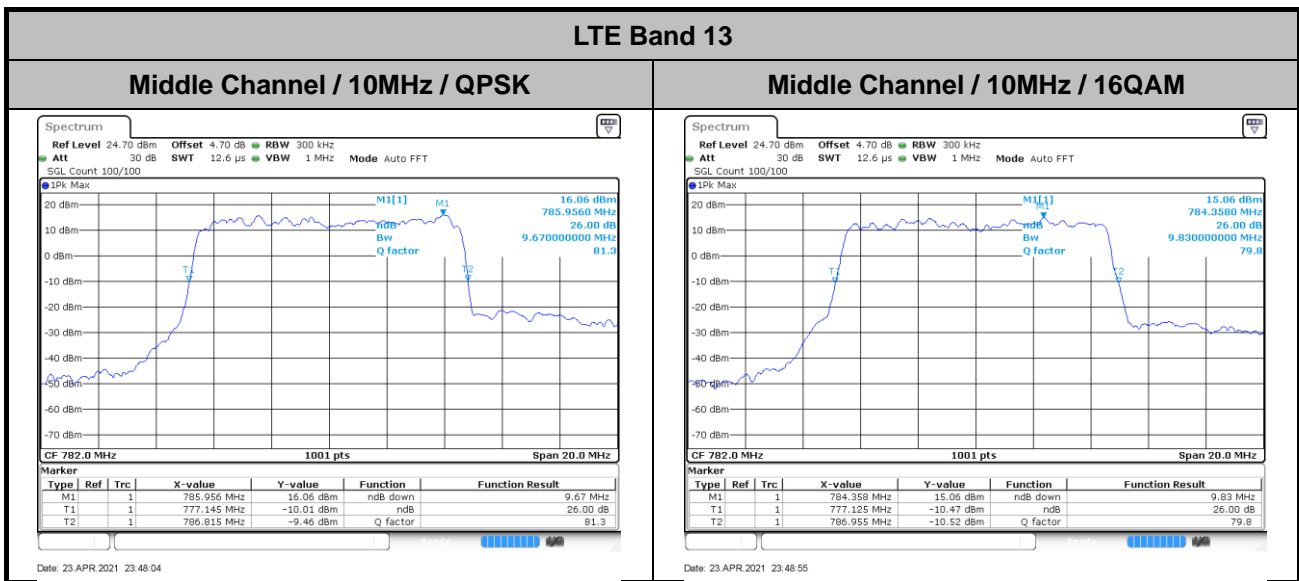
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.22	6.17	6.43	PASS





26dB Bandwidth

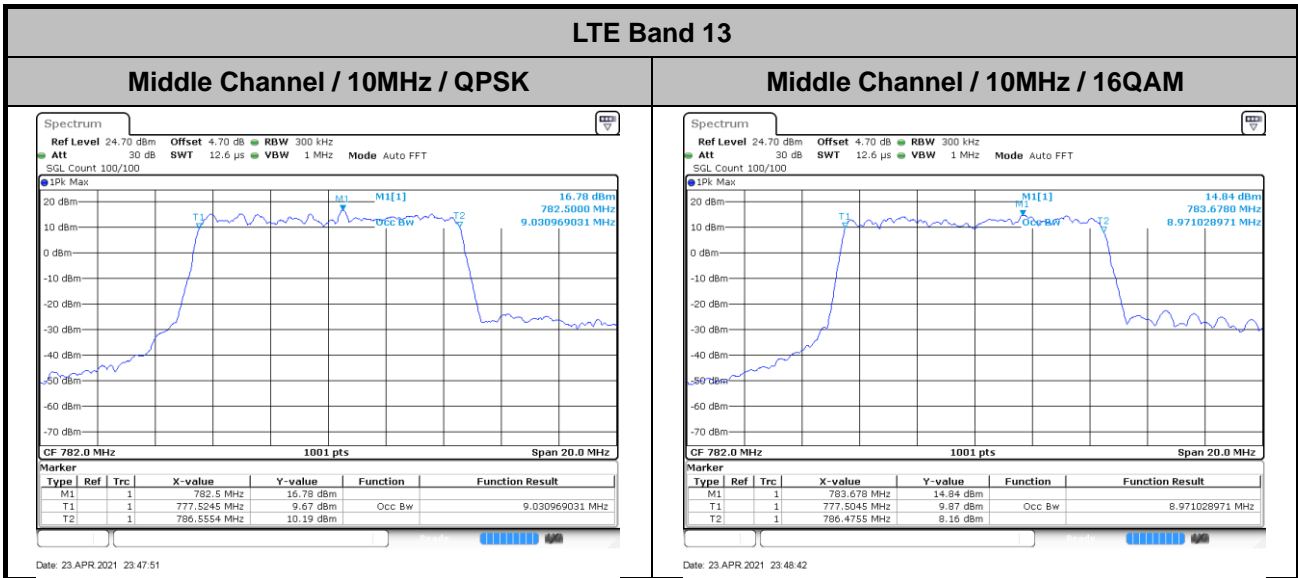
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.67	9.83





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	8.97

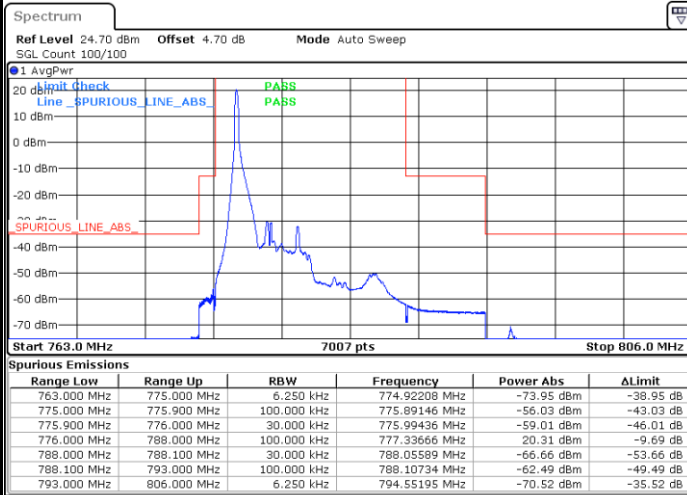




Conducted Band Edge

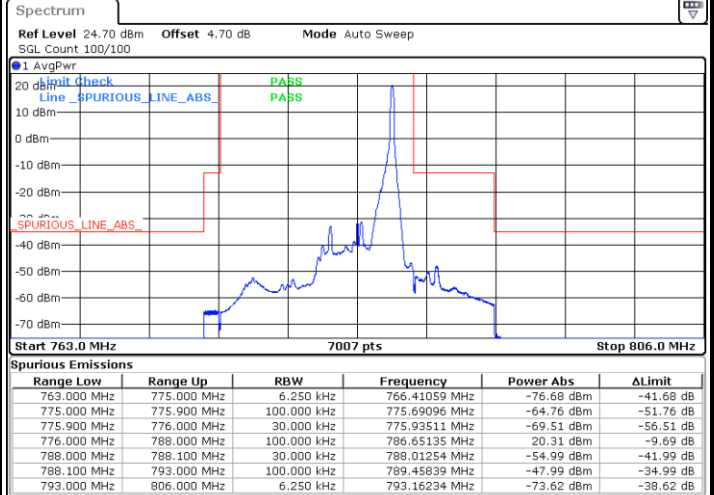
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



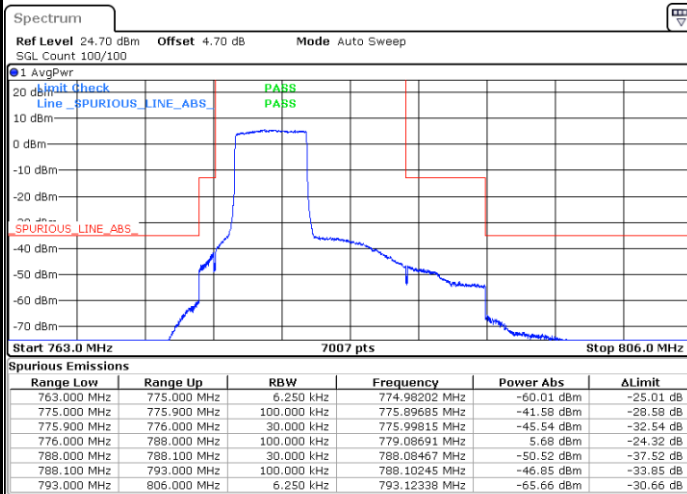
Date: 23 APR 2021 23:10:12

Highest Band Edge / 1 RB



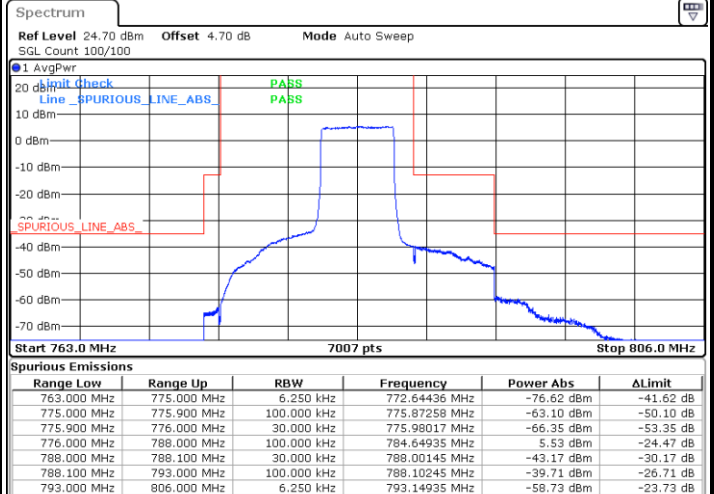
Date: 23 APR 2021 23:13:27

Lowest Band Edge / Full RB



Date: 23 APR 2021 23:08:35

Highest Band Edge / Full RB



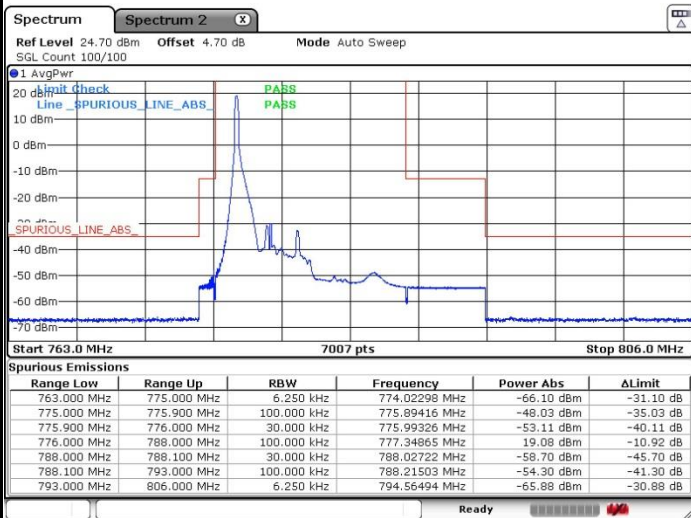
Date: 23 APR 2021 23:11:50



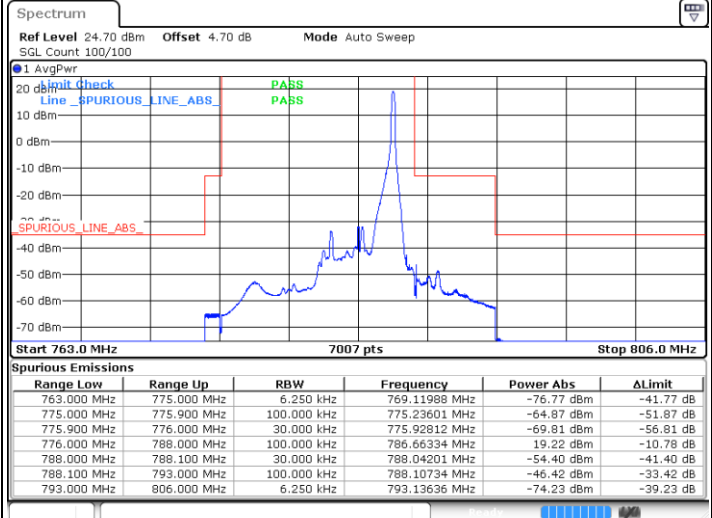
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



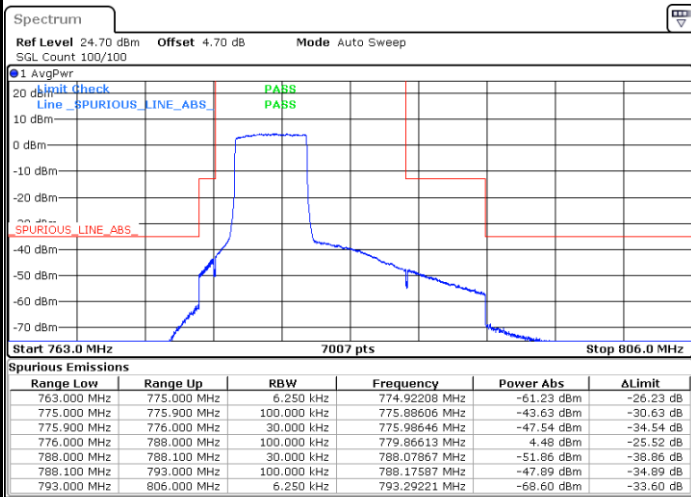
Date: 26 APR 2021 23:15:15



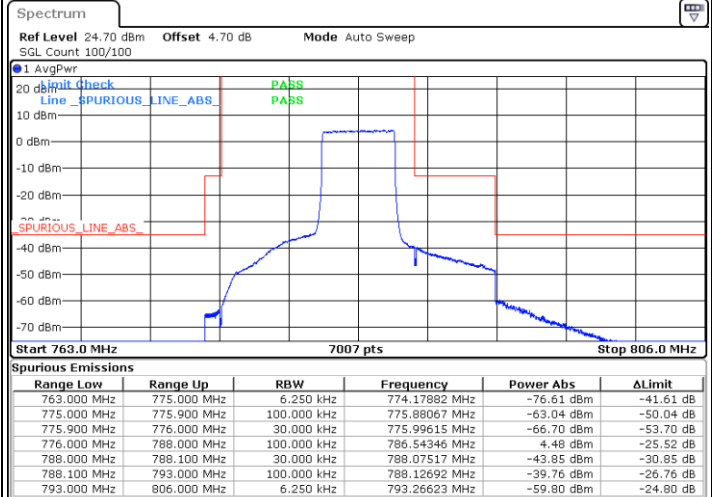
Date: 23 APR 2021 23:19:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23 APR 2021 23:15:05

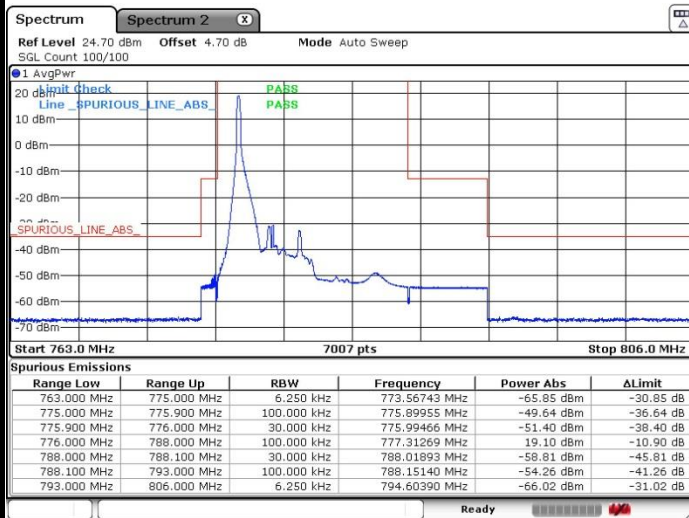


Date: 23 APR 2021 23:18:20



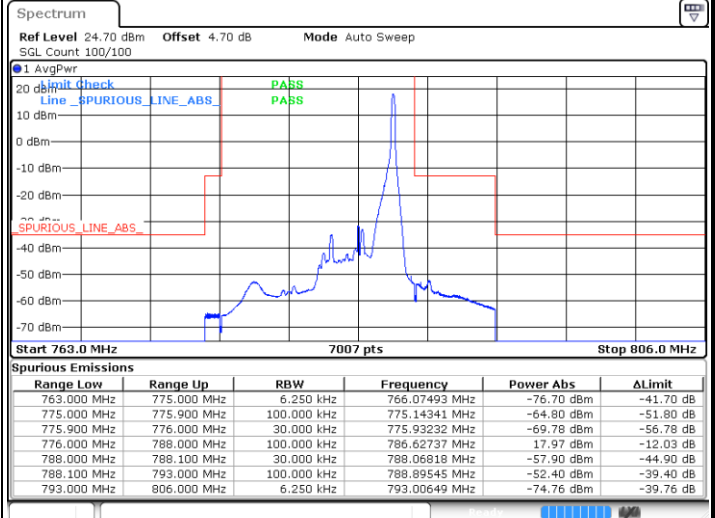
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB



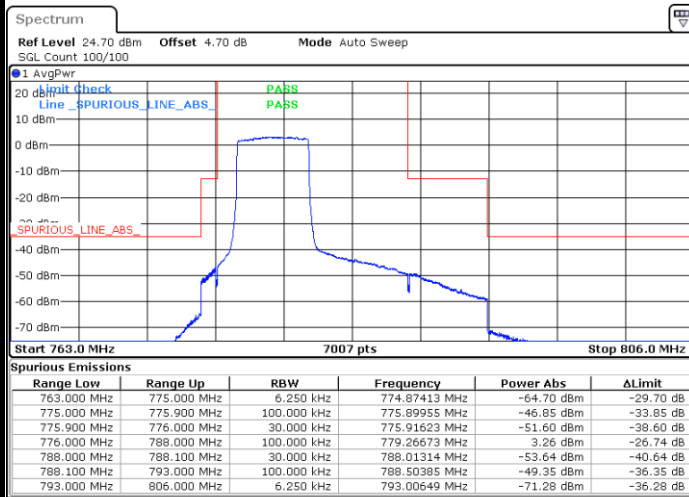
Date: 26 APR 2021 23:16:17

Highest Band Edge / 1 RB



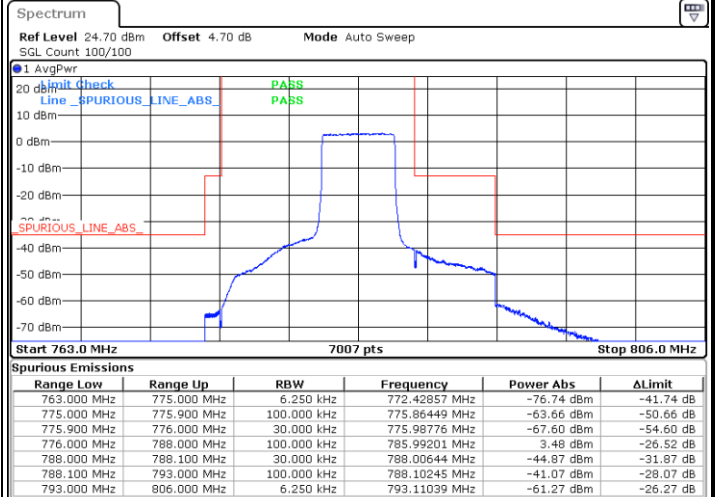
Date: 23 APR 2021 23:26:27

Lowest Band Edge / Full RB



Date: 23 APR 2021 23:21:35

Highest Band Edge / Full RB

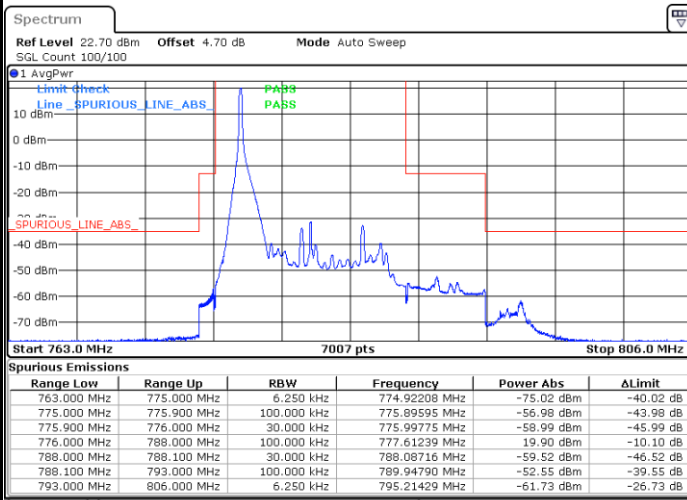


Date: 23 APR 2021 23:24:50



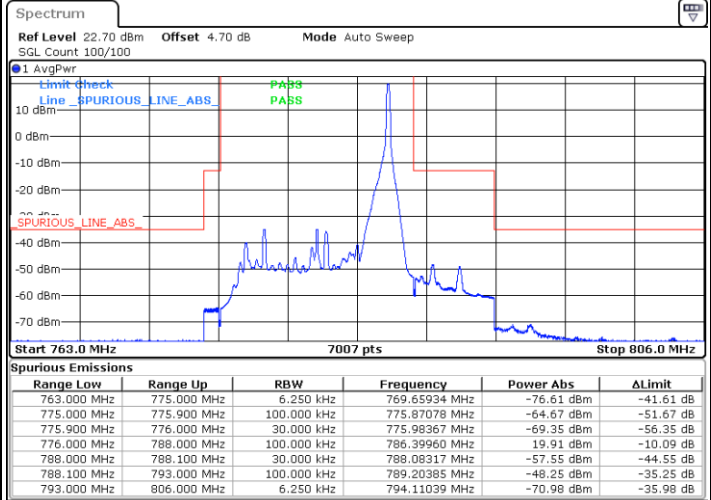
LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB



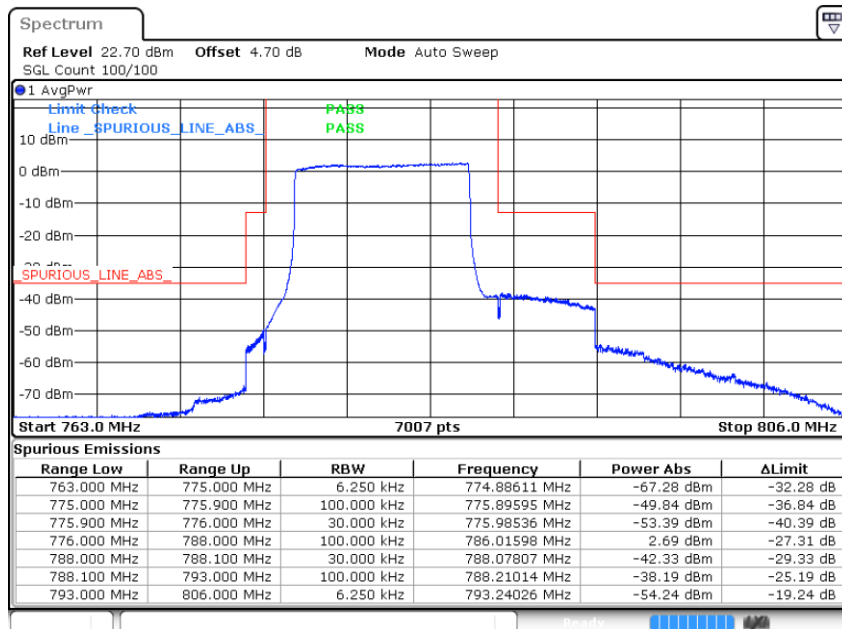
Date: 23 APR 2021 23:30:37

middle Band Edge / 1 RB



Date: 23 APR 2021 23:32:14

Middle Band Edge / Full RB

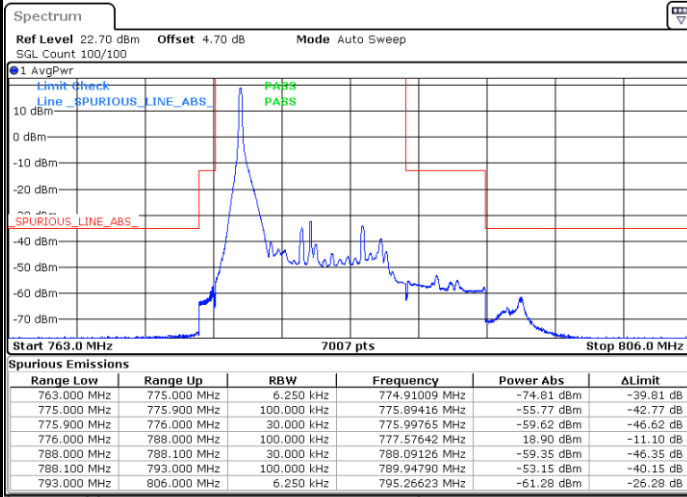


Date: 23 APR 2021 23:28:59



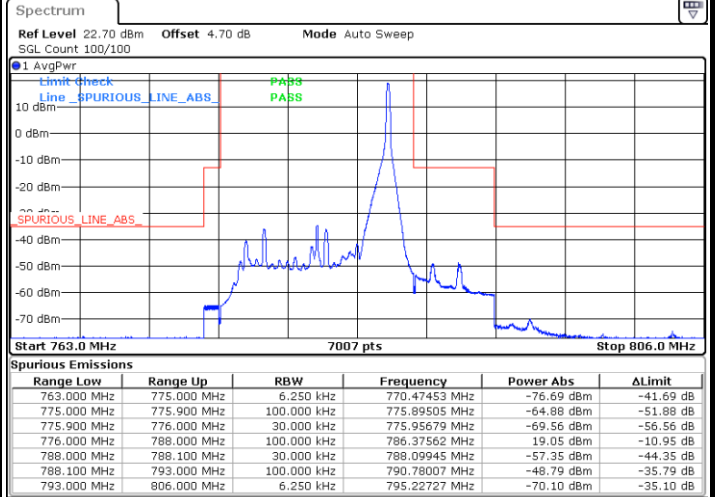
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



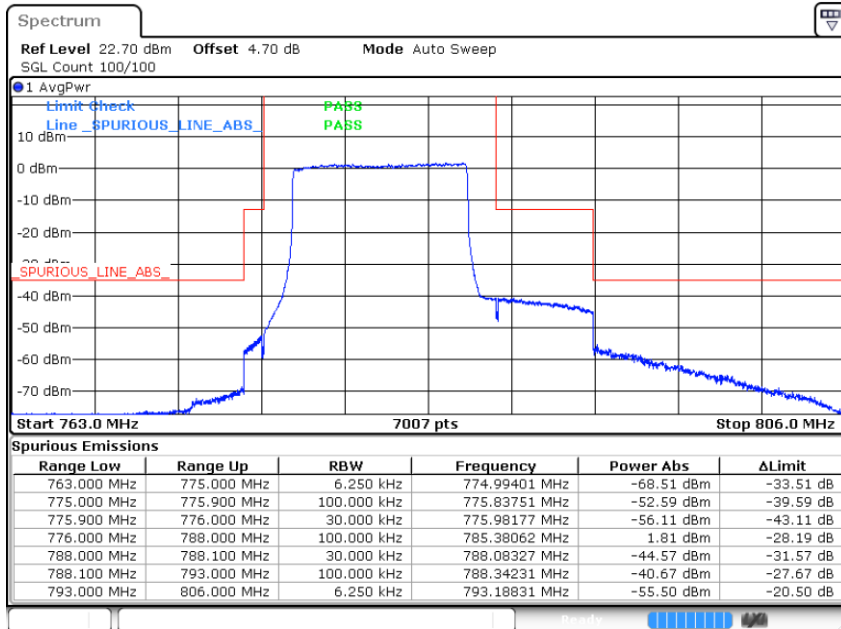
Date: 23 APR 2021 23:35:29

middle Band Edge / 1 RB



Date: 23 APR 2021 23:37:07

middle Band Edge / Full RB

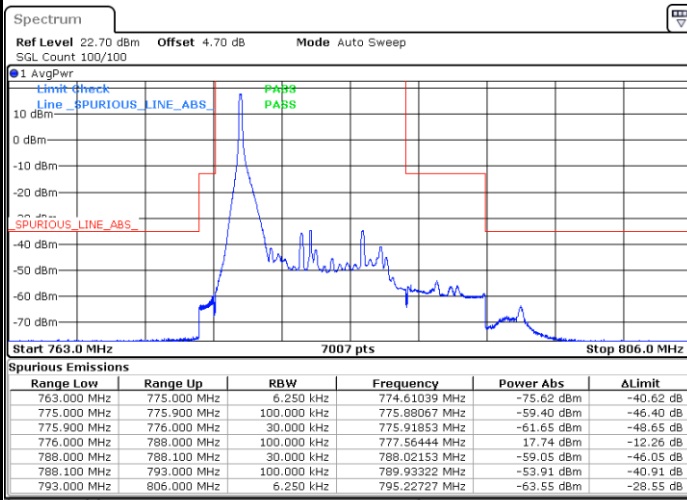


Date: 23 APR 2021 23:33:52



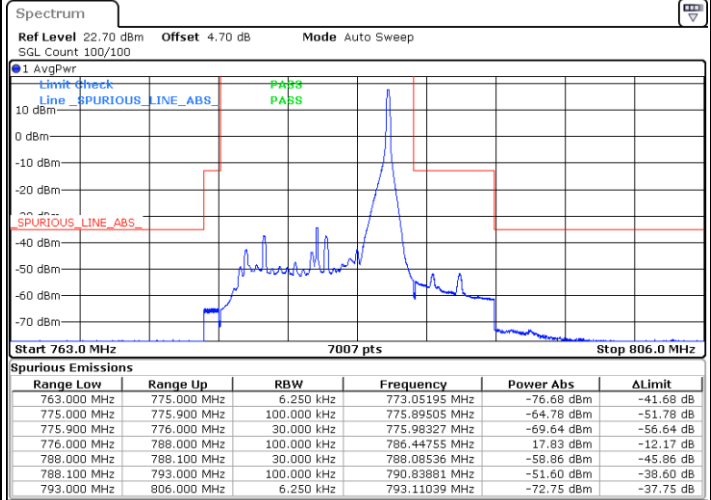
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



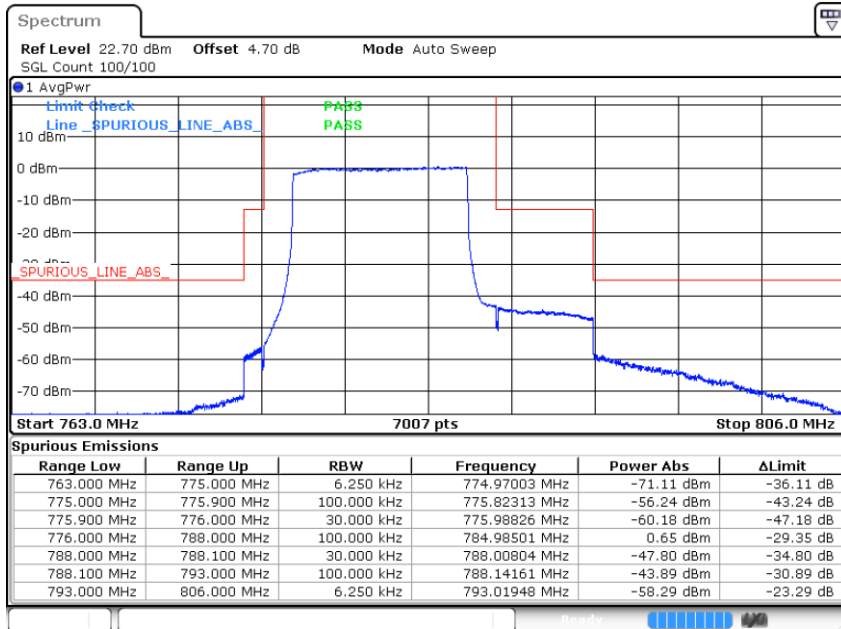
Date: 23 APR 2021 23:40:21

middle Band Edge / 1 RB



Date: 23 APR 2021 23:41:59

middle Band Edge / Full RB



Date: 23 APR 2021 23:38:44

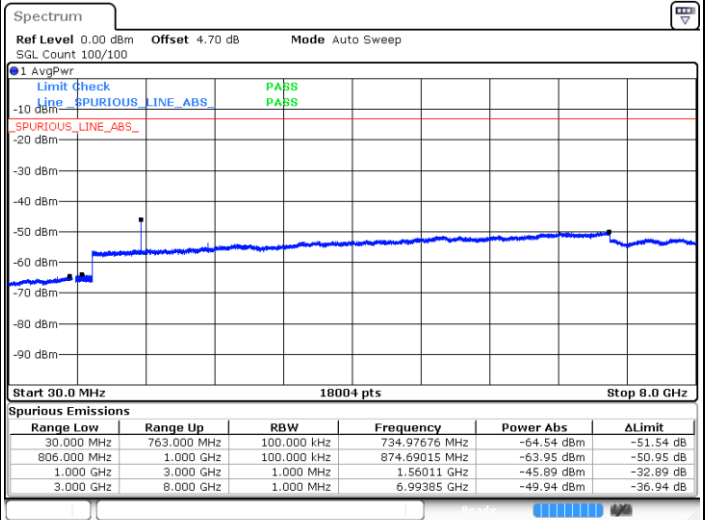
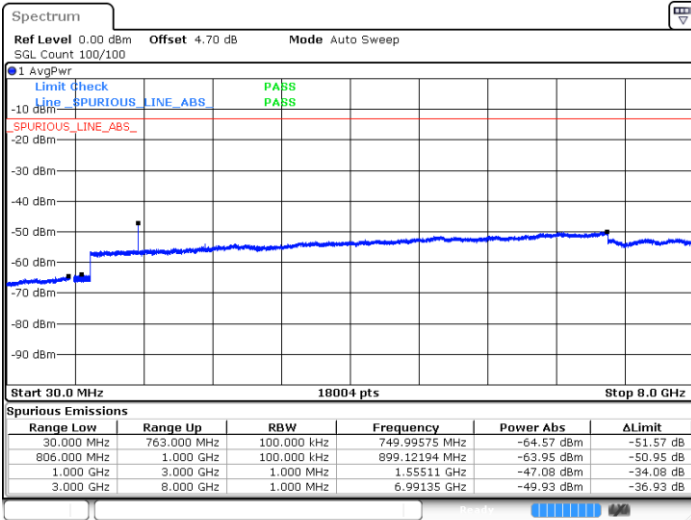


Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

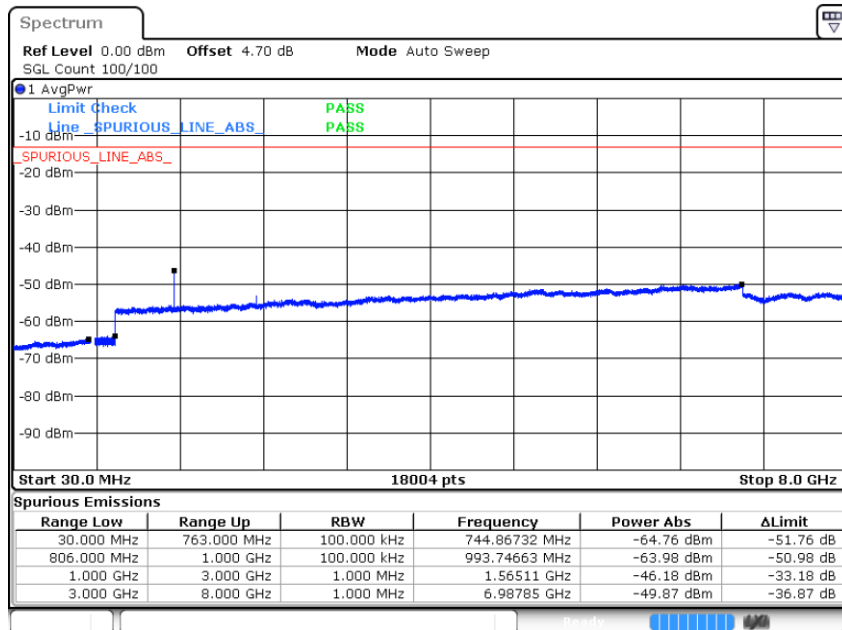
Middle Channel / QPSK



Date: 23 APR 2021 23:42:52

Date: 23 APR 2021 23:43:46

Highest Channel / QPSK

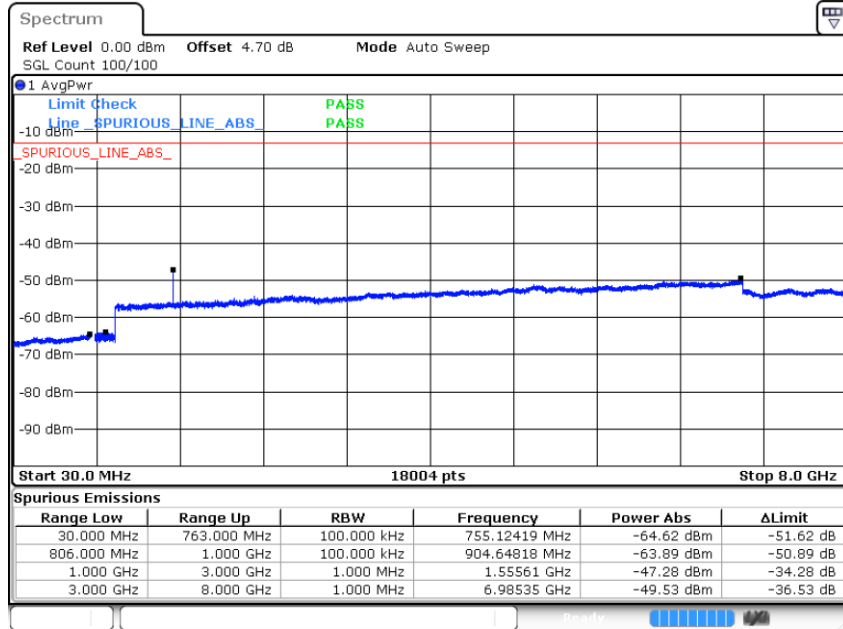


Date: 23 APR 2021 23:44:41



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 23.APR.2021 23:46:10



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0054	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0033	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

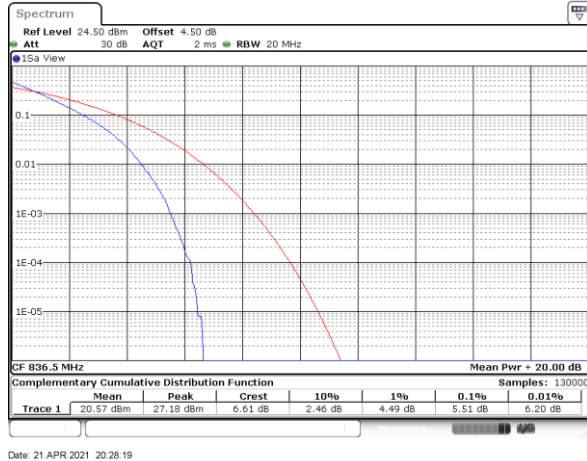
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.51	6.23	6.55	PASS

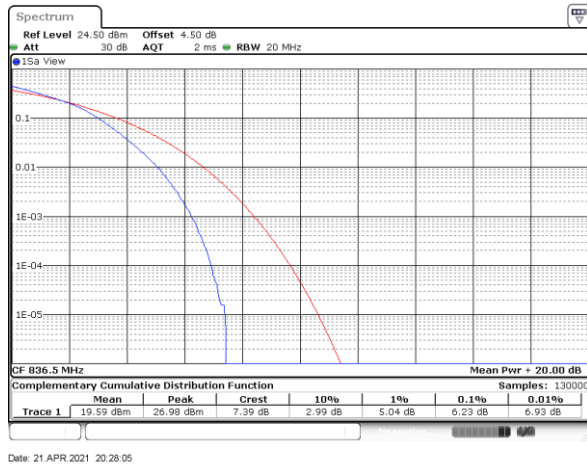


LTE Band 26 / 15MHz

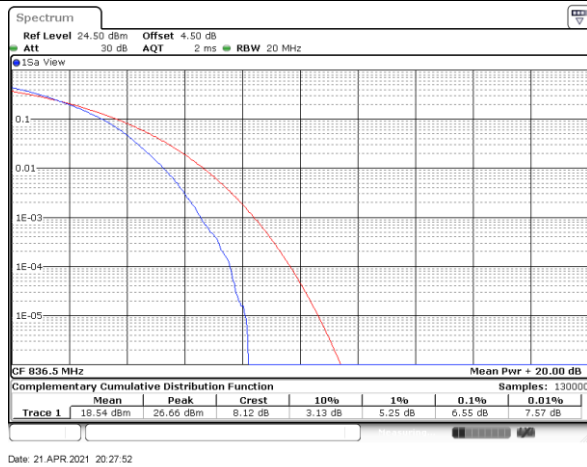
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



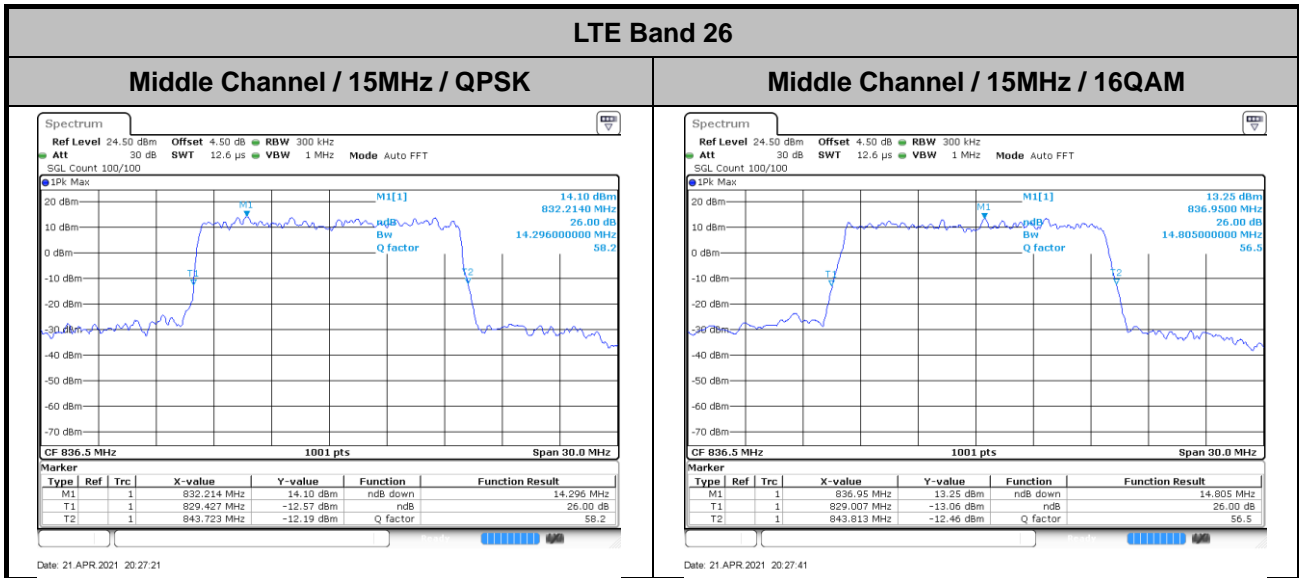
Middle Channel / Full RB/ 64QAM





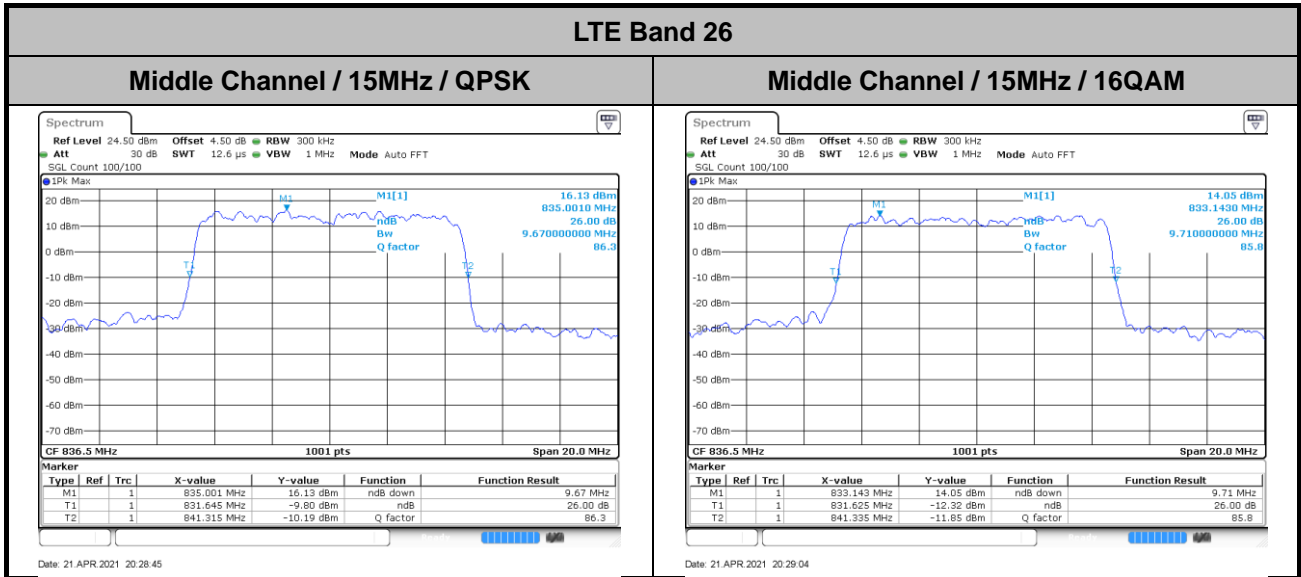
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.30	14.81





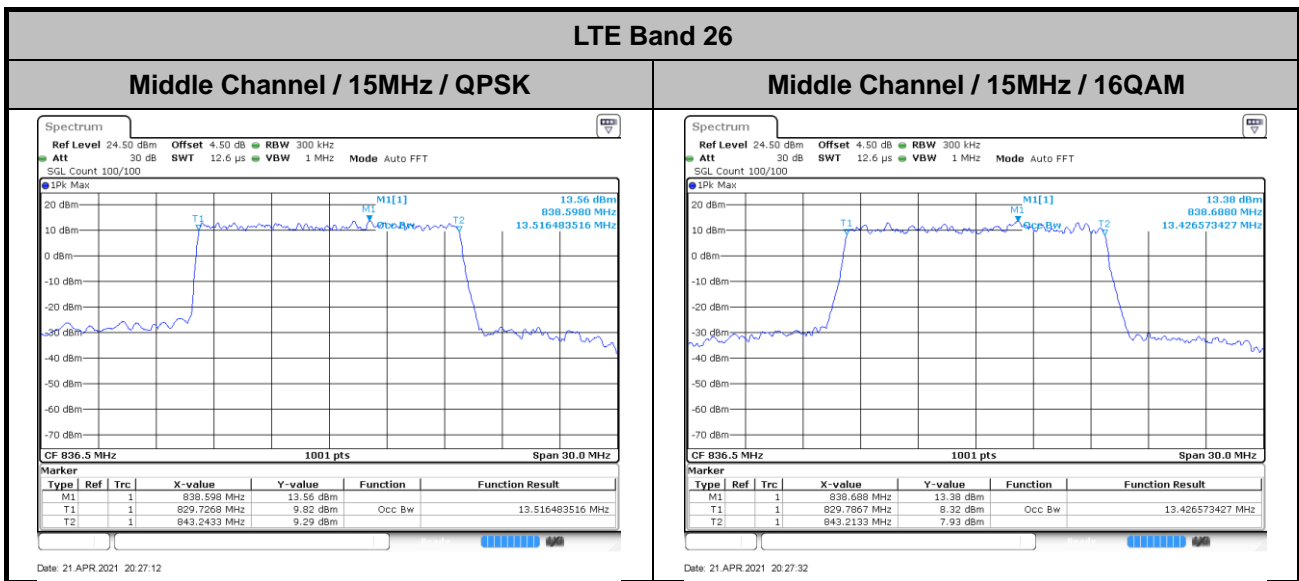
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.67	9.71





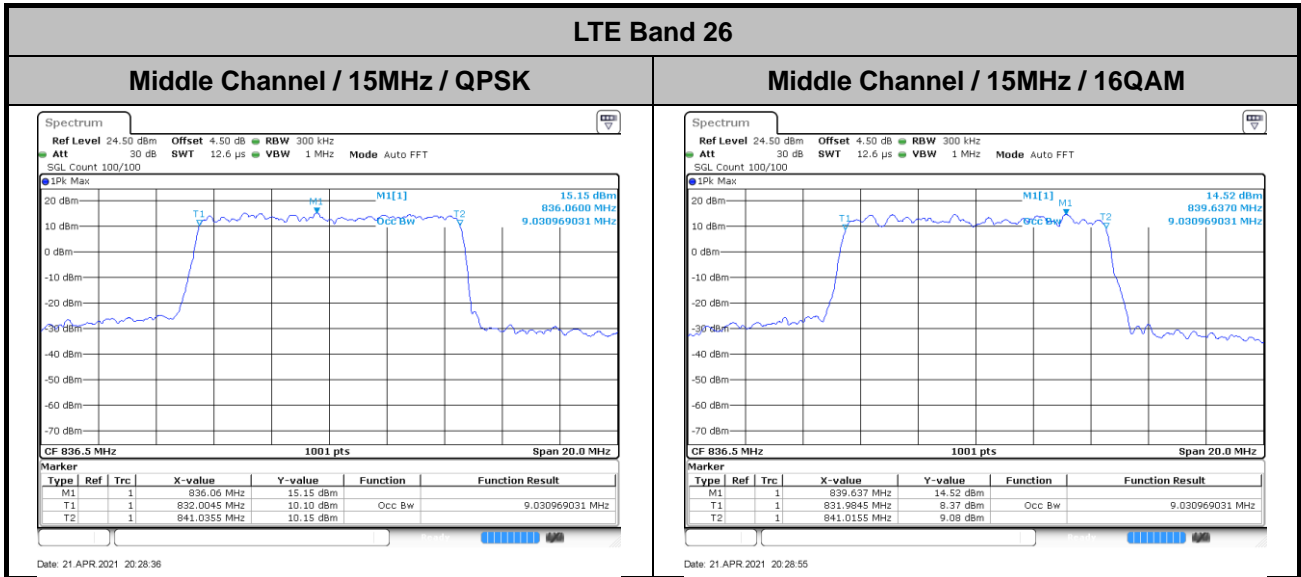
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.52	13.43



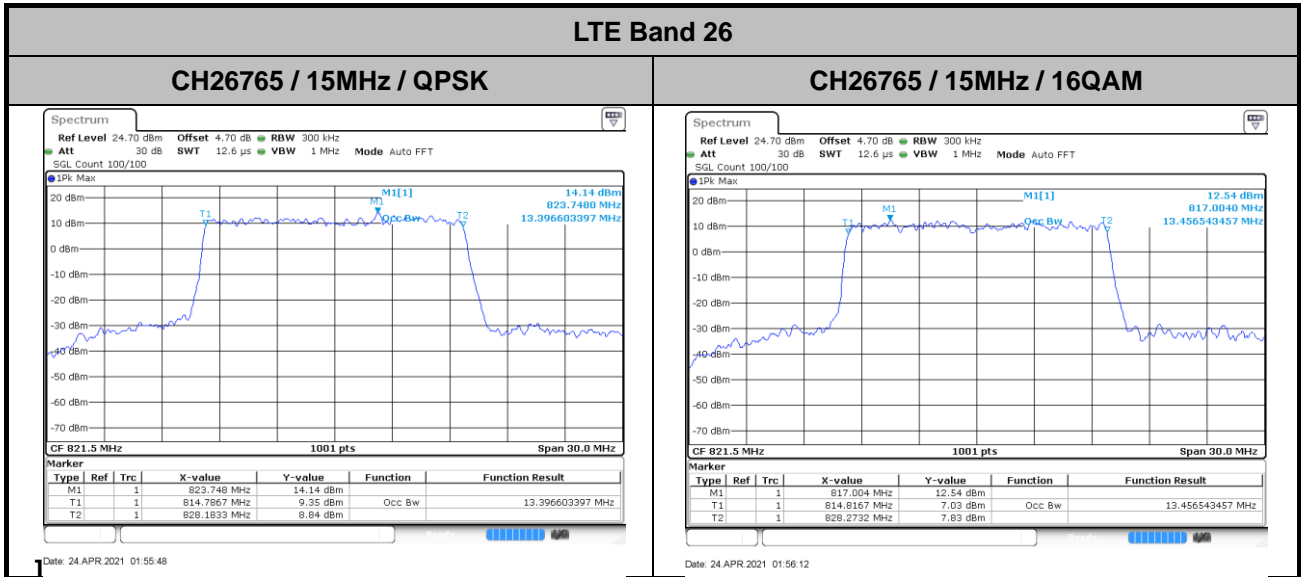


Mode	LTE Band 26 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.03





Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
CH26765	13.40	13.46





Conducted Band Edge

