



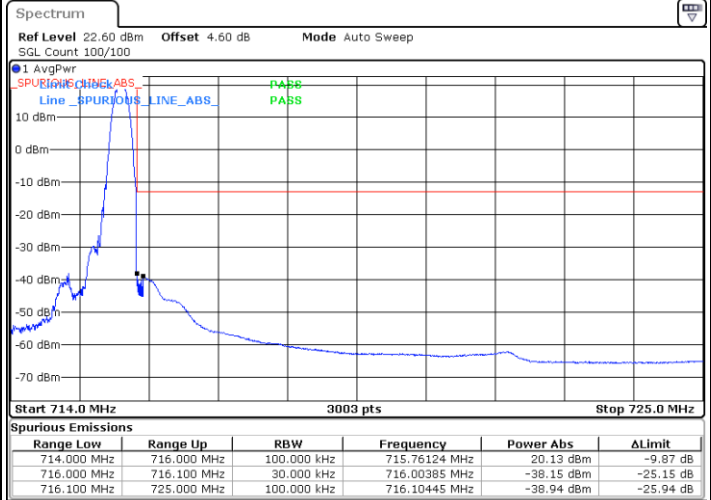
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



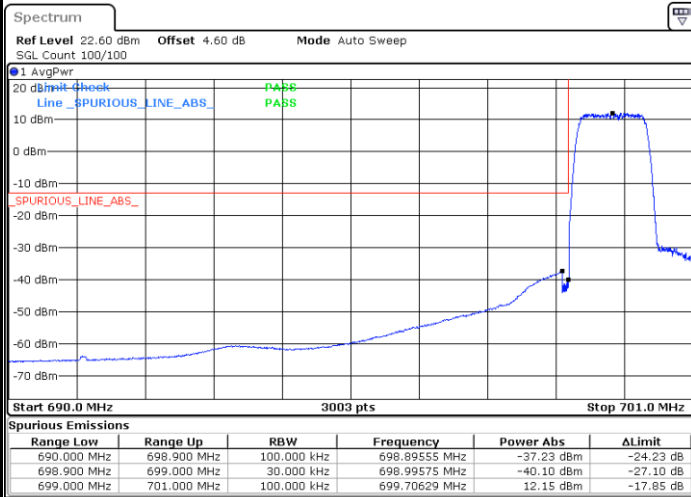
Date: 7.MAY.2021 20:45:02

Highest Band Edge / 1 RB



Date: 7.MAY.2021 20:42:47

Lowest Band Edge / Full RB



Date: 7.MAY.2021 20:46:10

Highest Band Edge / Full RB

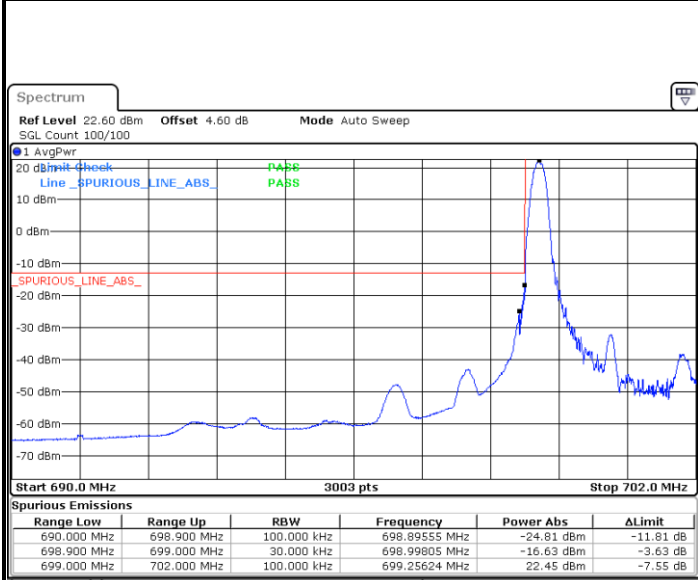


Date: 7.MAY.2021 20:43:55



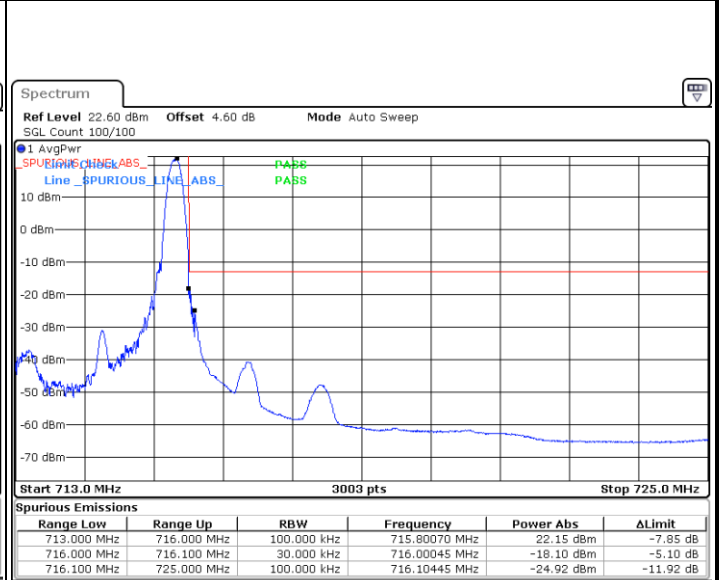
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



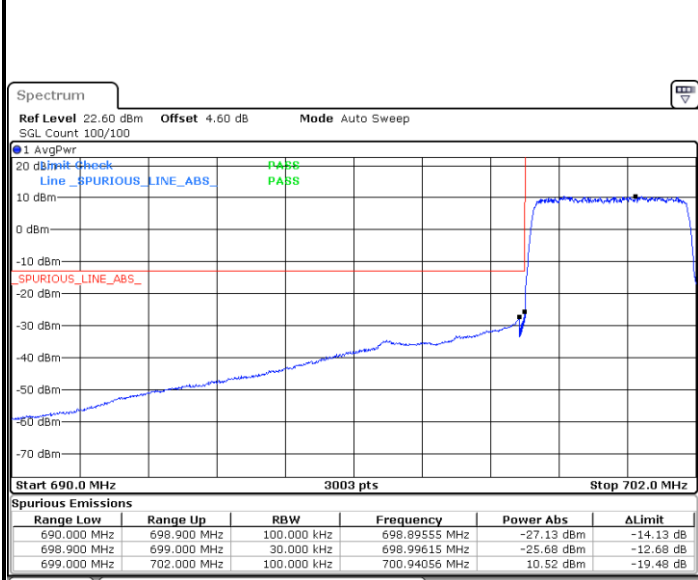
Date: 7.MAY.2021 20:15:59

Highest Band Edge / 1 RB



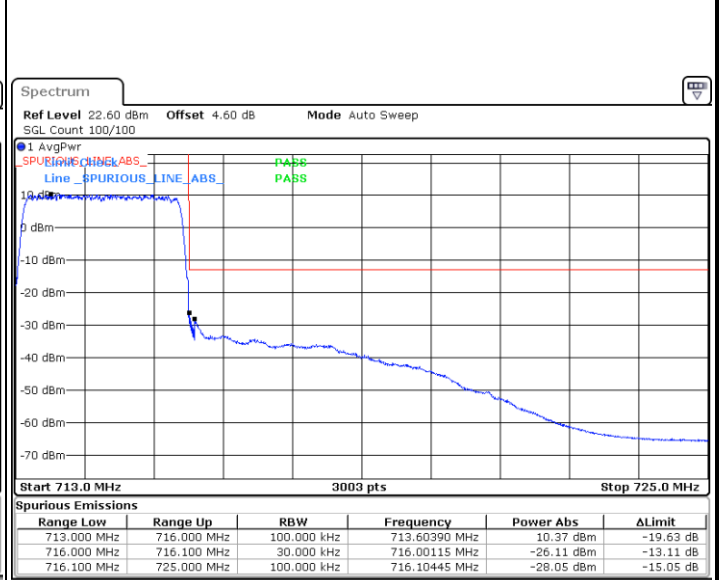
Date: 7.MAY.2021 20:21:37

Lowest Band Edge / Full RB



Date: 7.MAY.2021 20:17:07

Highest Band Edge / Full RB

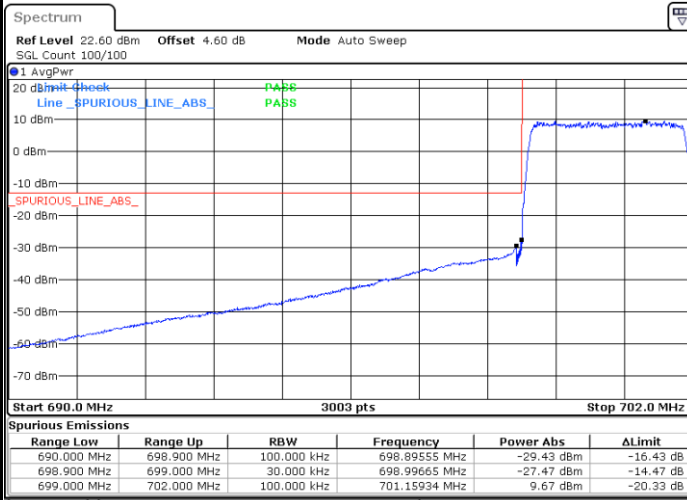


Date: 7.MAY.2021 20:20:29



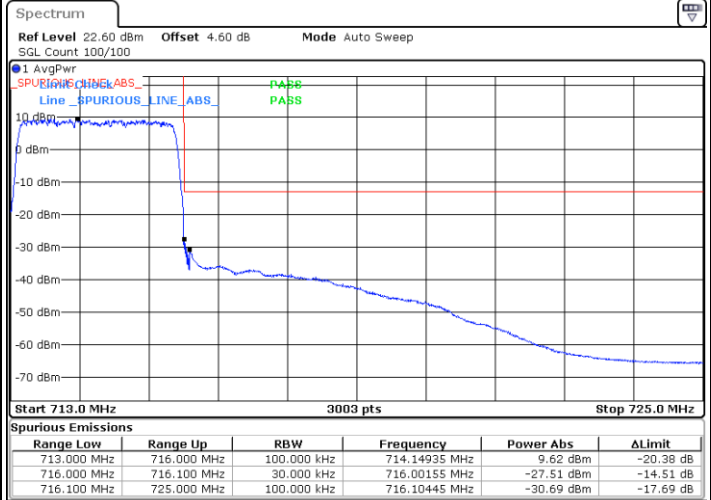
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



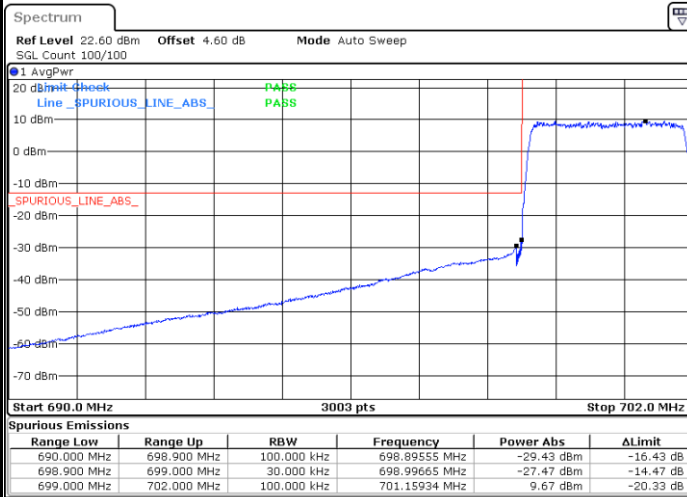
Date: 7.MAY.2021 20:18:14

Highest Band Edge / 1 RB



Date: 7.MAY.2021 20:19:22

Lowest Band Edge / Full RB



Date: 7.MAY.2021 20:18:14

Highest Band Edge / Full RB

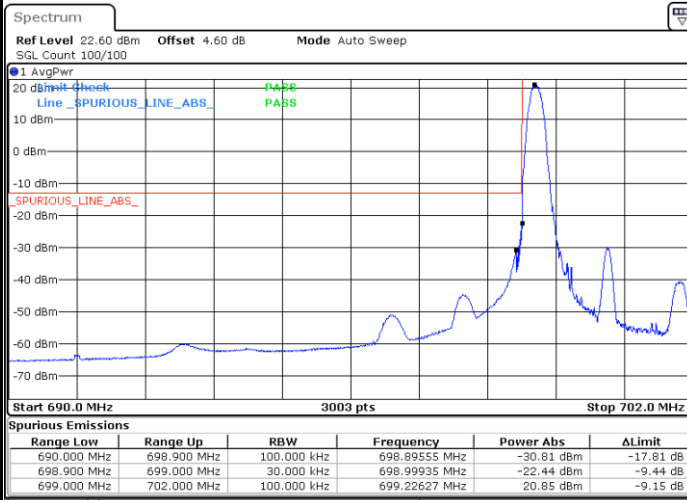


Date: 7.MAY.2021 20:19:22



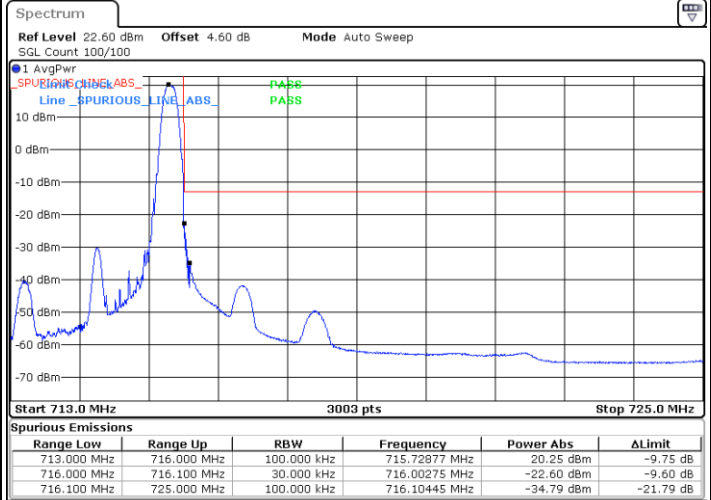
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



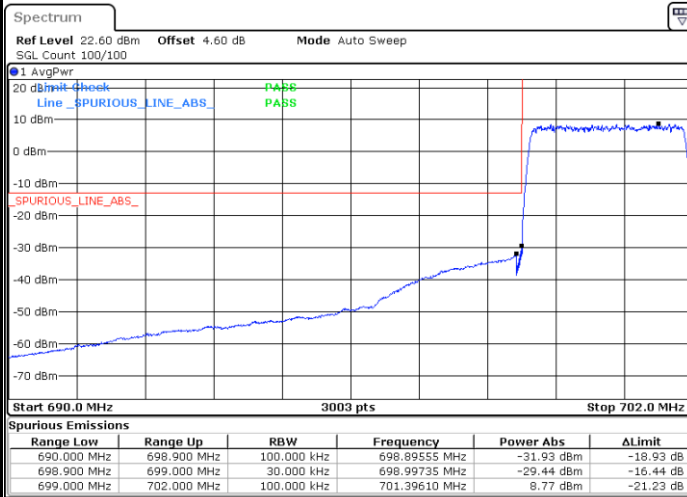
Date: 7.MAY.2021 20:47:30

Highest Band Edge / 1 RB



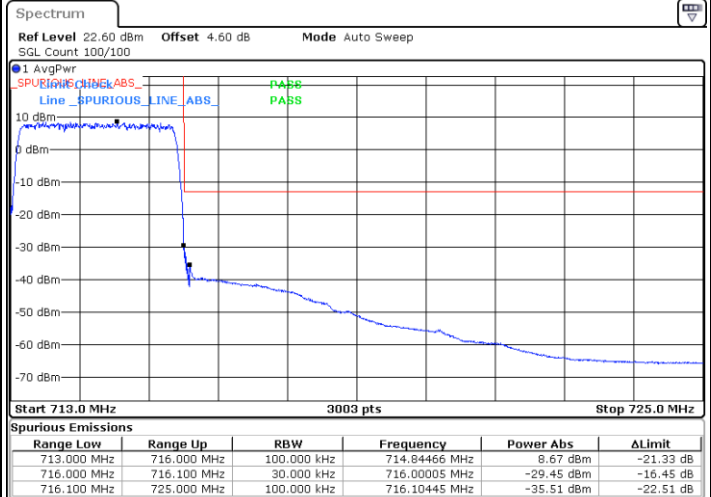
Date: 7.MAY.2021 20:50:52

Lowest Band Edge / Full RB



Date: 7.MAY.2021 20:48:37

Highest Band Edge / Full RB

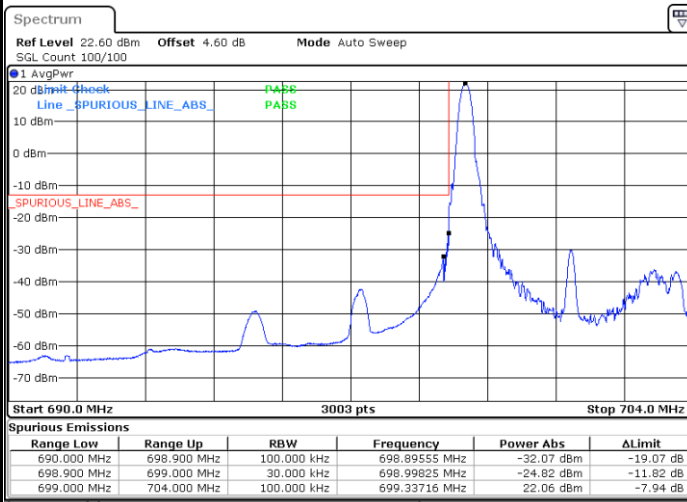


Date: 7.MAY.2021 20:49:45



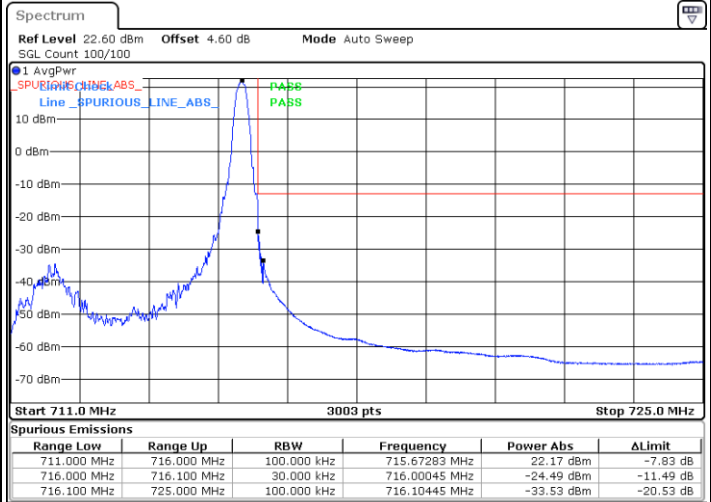
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



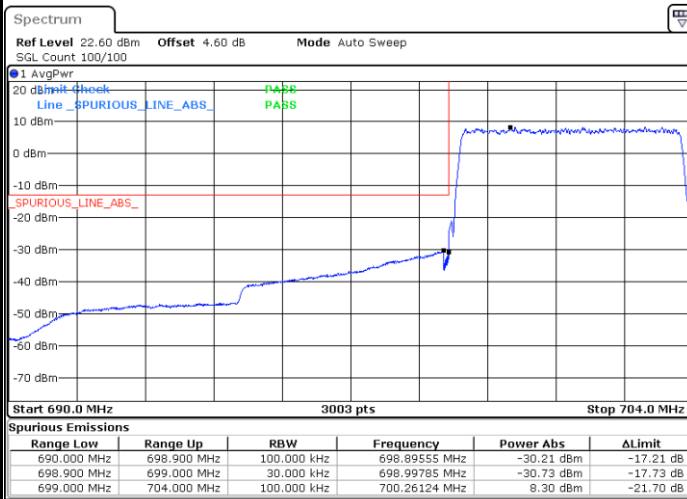
Date: 7.MAY.2021 20:25:17

Highest Band Edge / 1 RB



Date: 7.MAY.2021 20:30:55

Lowest Band Edge / Full RB



Date: 7.MAY.2021 20:26:25

Highest Band Edge / Full RB

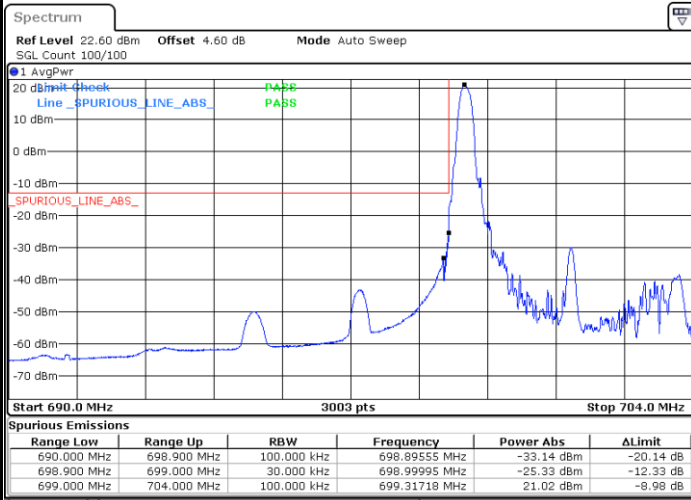


Date: 7.MAY.2021 20:29:47



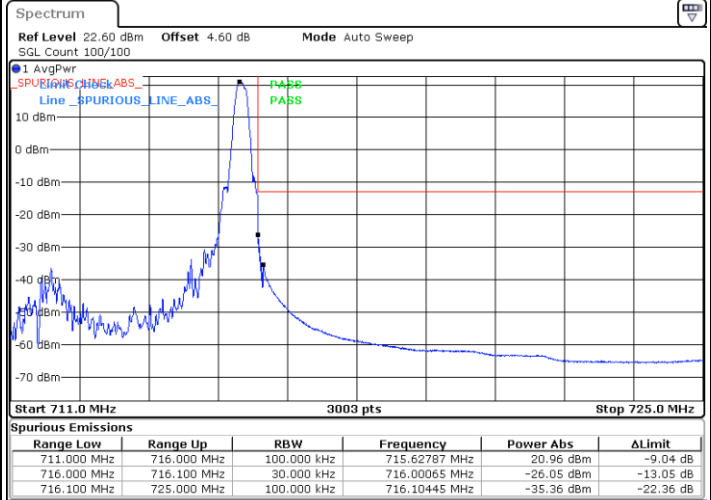
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



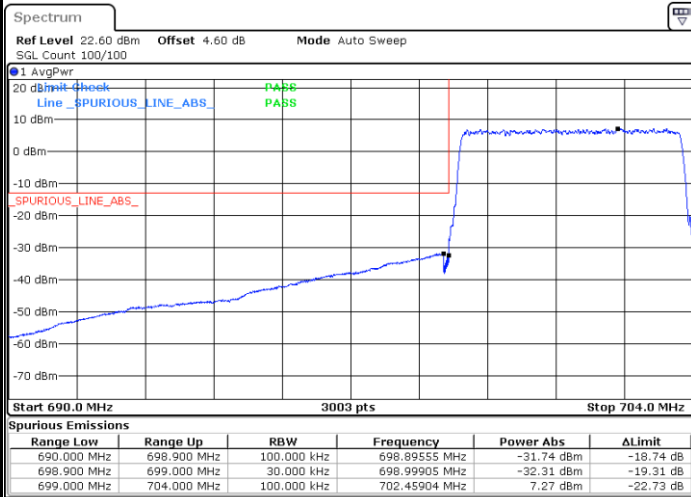
Date: 7.MAY.2021 20:24:10

Highest Band Edge / 1 RB



Date: 7.MAY.2021 20:32:02

Lowest Band Edge / Full RB



Date: 7.MAY.2021 20:27:32

Highest Band Edge / Full RB

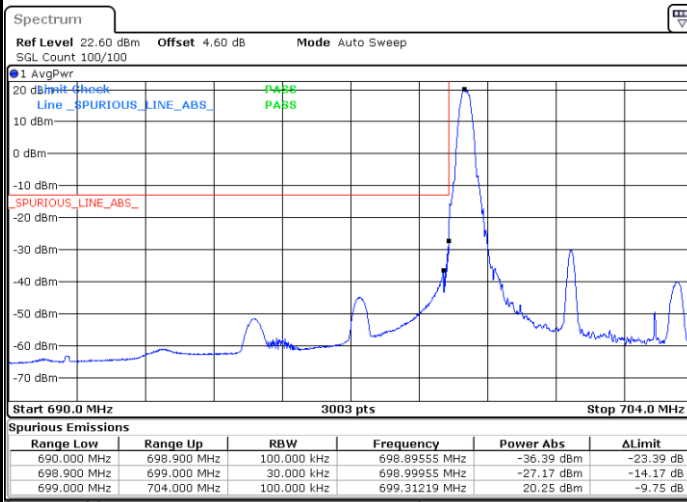


Date: 7.MAY.2021 20:28:40



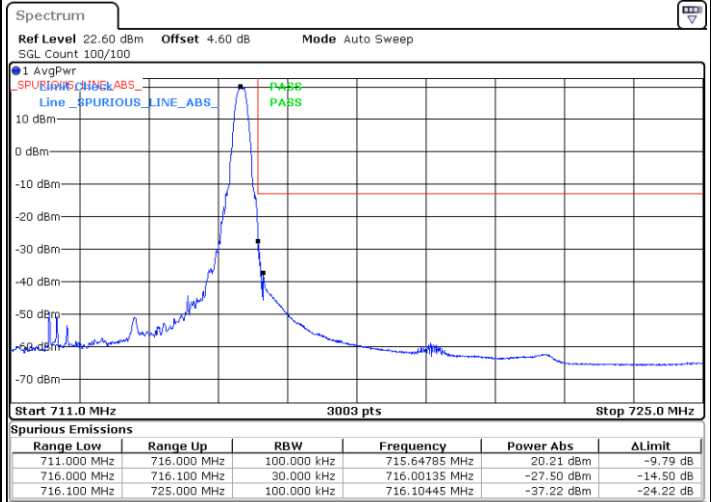
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



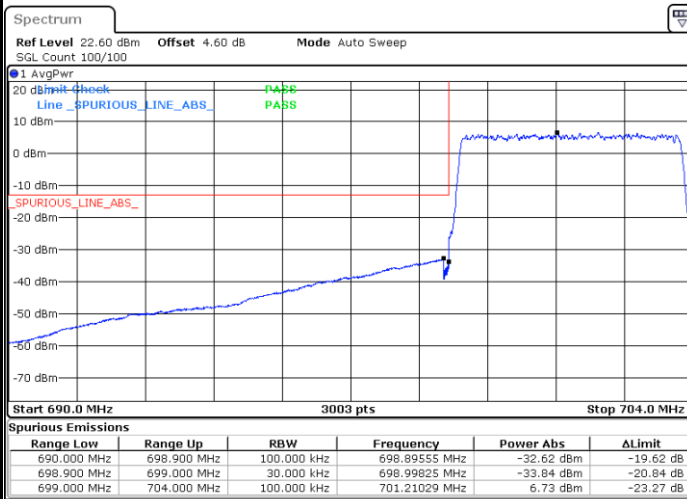
Date: 7.MAY.2021 20:54:32

Highest Band Edge / 1 RB



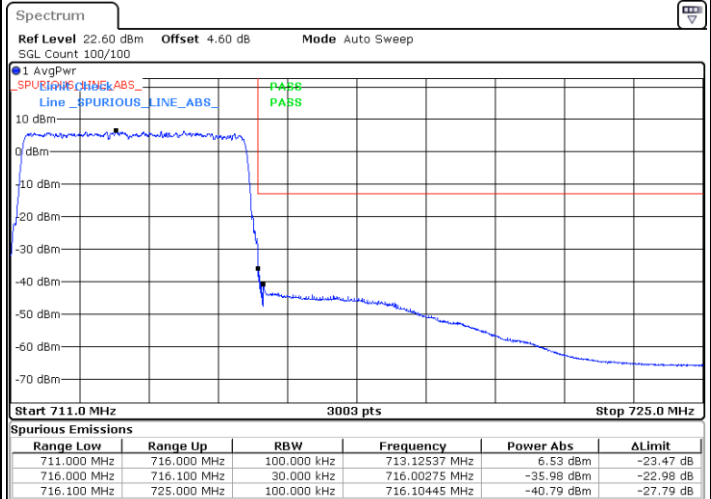
Date: 7.MAY.2021 20:53:25

Lowest Band Edge / Full RB



Date: 7.MAY.2021 20:55:40

Highest Band Edge / Full RB

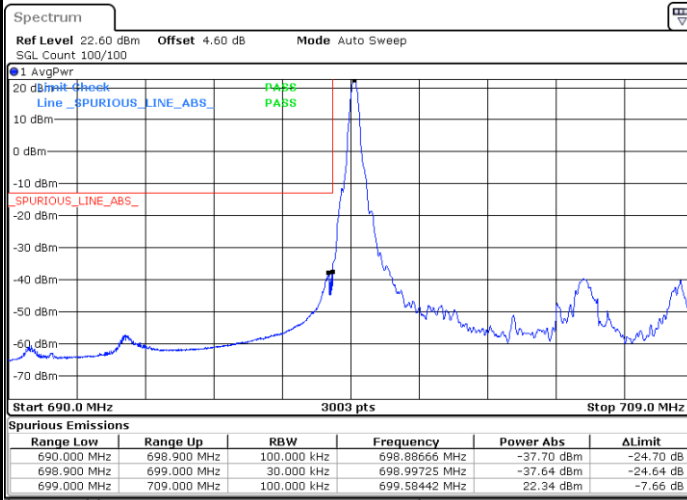


Date: 7.MAY.2021 20:52:17



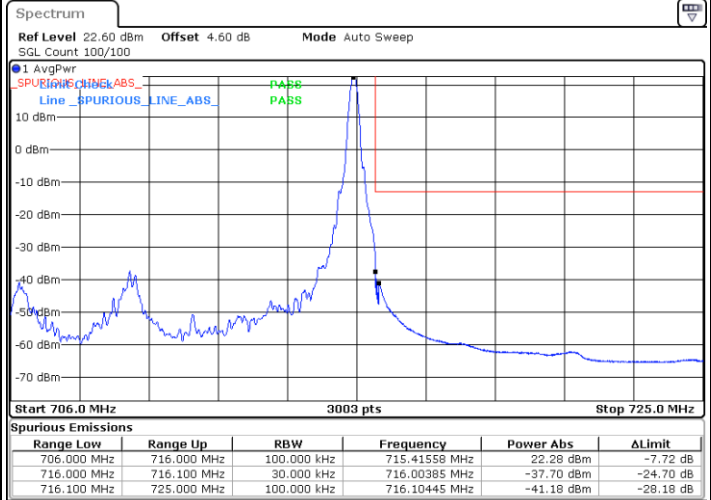
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



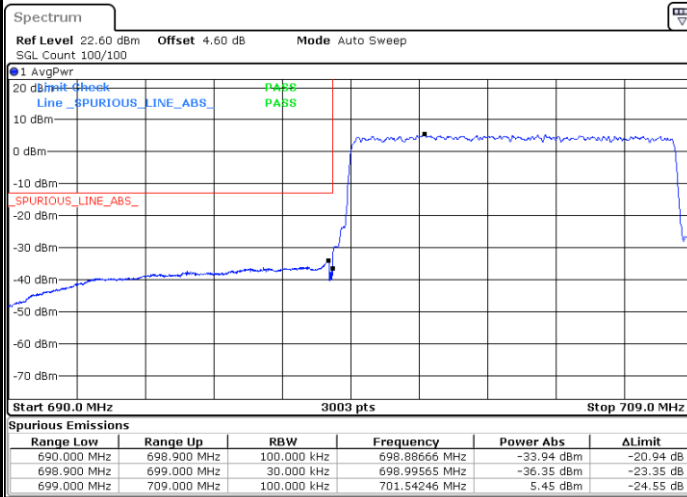
Date: 7.MAY.2021 20:34:37

Highest Band Edge / 1 RB



Date: 7.MAY.2021 20:40:15

Lowest Band Edge / Full RB



Date: 7.MAY.2021 20:35:44

Highest Band Edge / Full RB

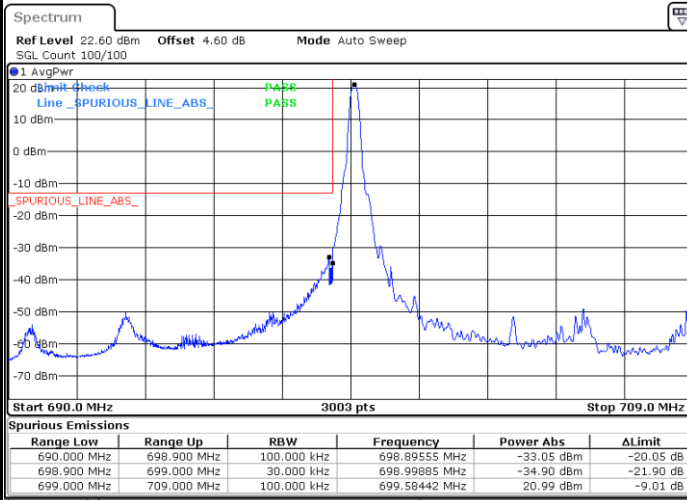


Date: 7.MAY.2021 20:39:07



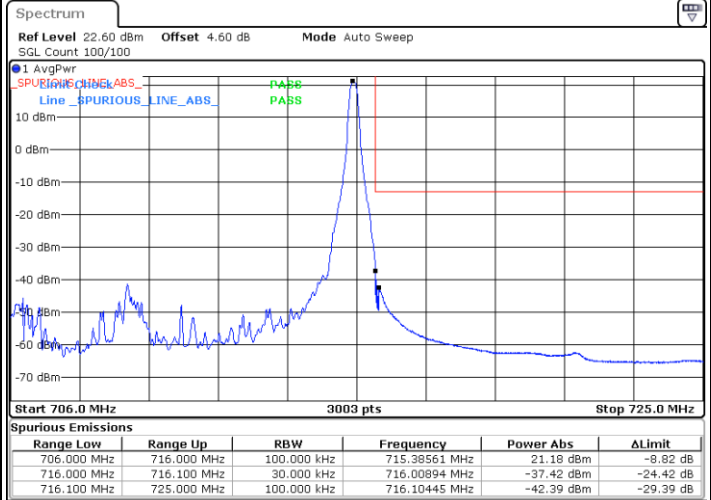
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



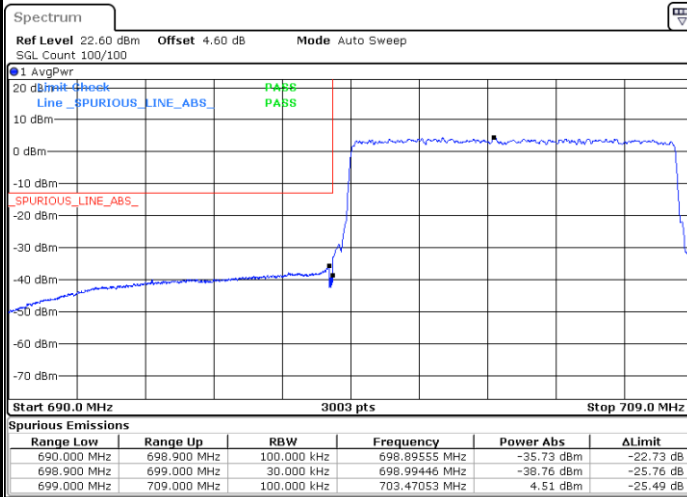
Date: 7.MAY.2021 20:33:29

Highest Band Edge / 1 RB



Date: 7.MAY.2021 20:41:22

Lowest Band Edge / Full RB



Date: 7.MAY.2021 20:36:52

Highest Band Edge / Full RB

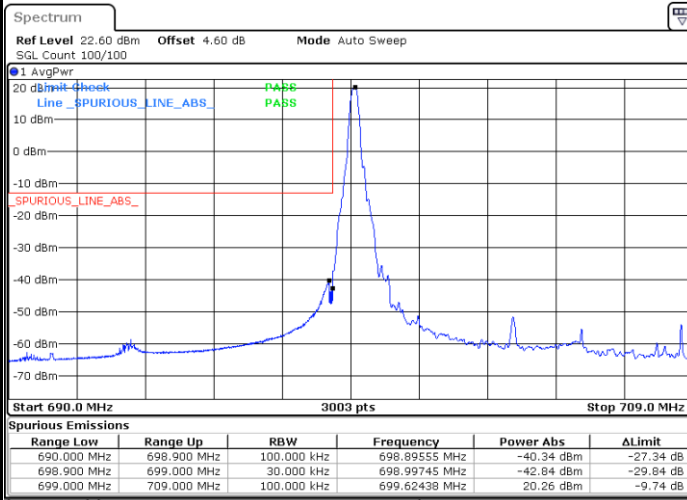


Date: 7.MAY.2021 20:38:00



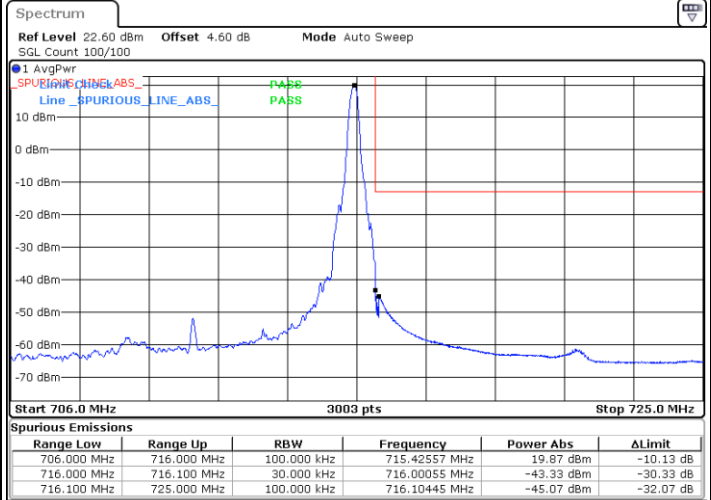
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



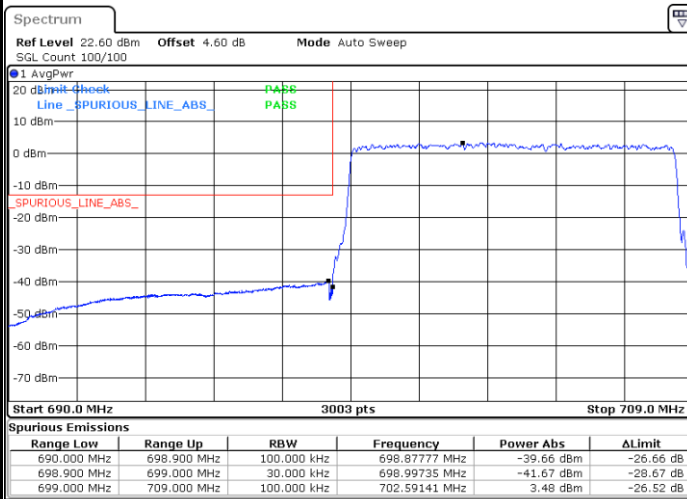
Date: 7.MAY.2021 20:59:19

Highest Band Edge / 1 RB



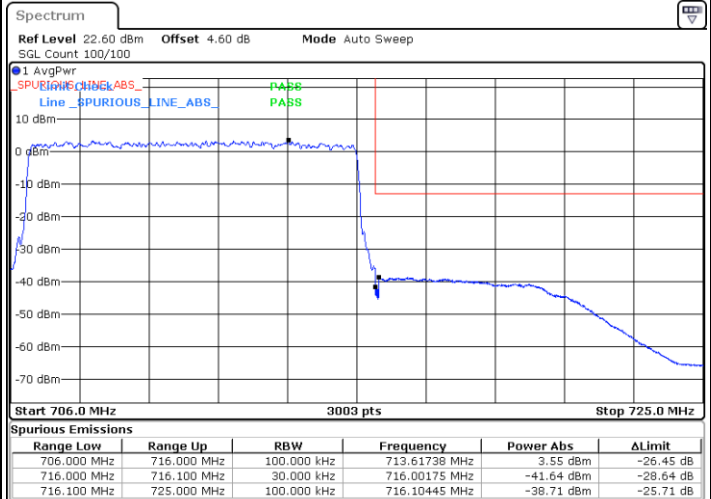
Date: 7.MAY.2021 20:58:11

Lowest Band Edge / Full RB



Date: 7.MAY.2021 21:00:26

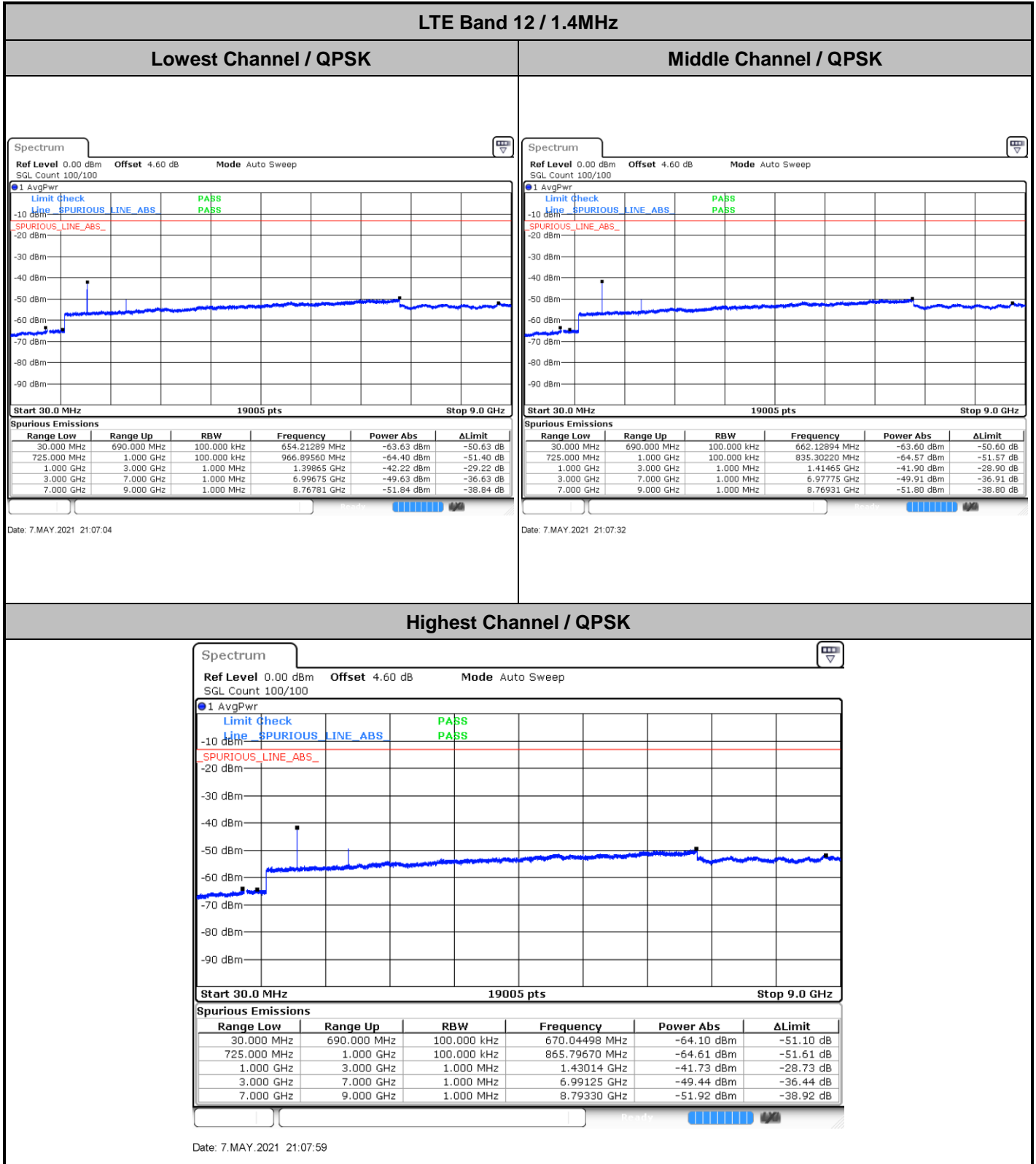
Highest Band Edge / Full RB



Date: 7.MAY.2021 20:57:04



Conducted Spurious Emission

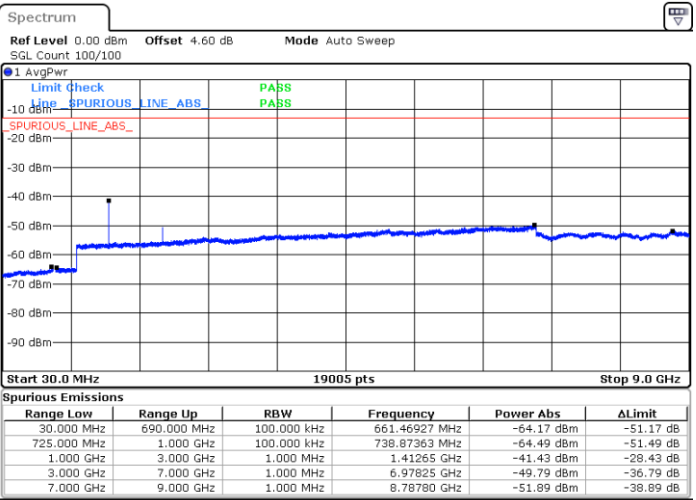
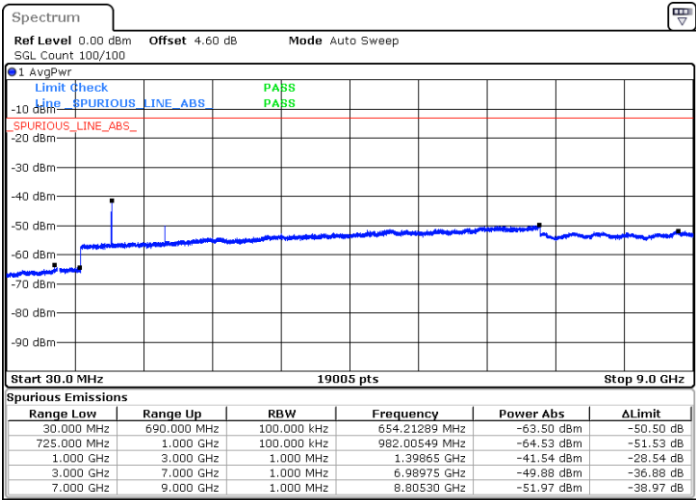




LTE Band 12 / 3MHz

Lowest Channel / QPSK

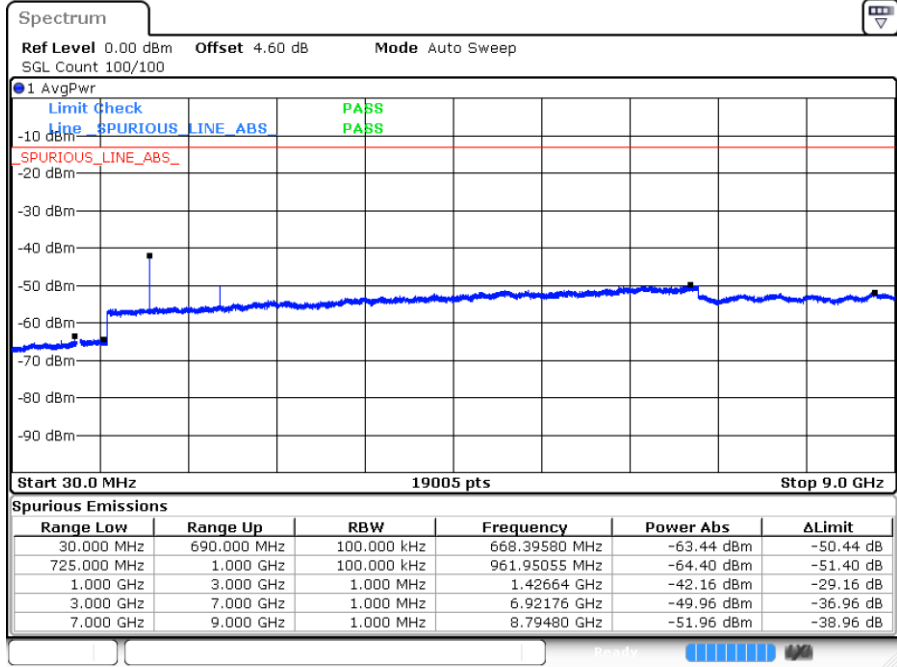
Middle Channel / QPSK



Date: 7.MAY.2021 21:08:46

Date: 7.MAY.2021 21:09:14

Highest Channel / QPSK



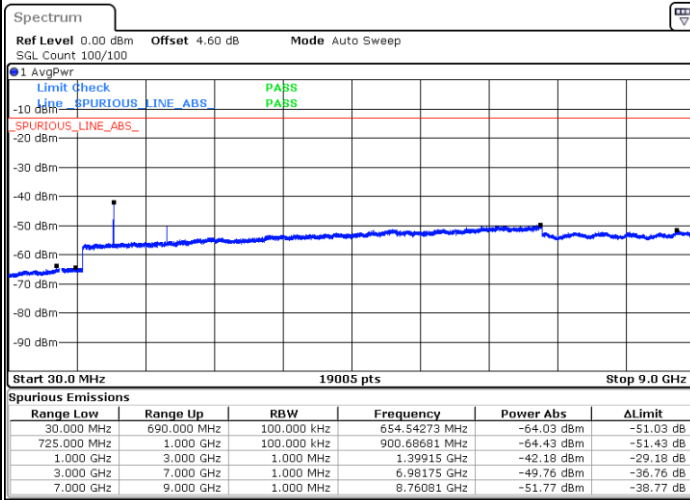
Date: 7.MAY.2021 21:09:39



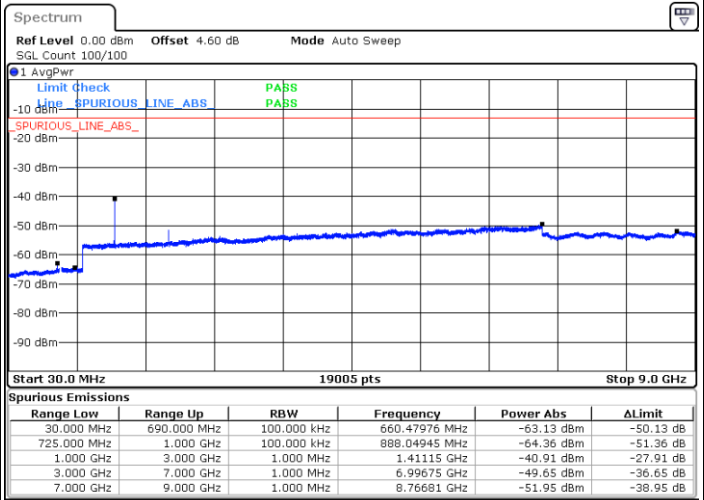
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

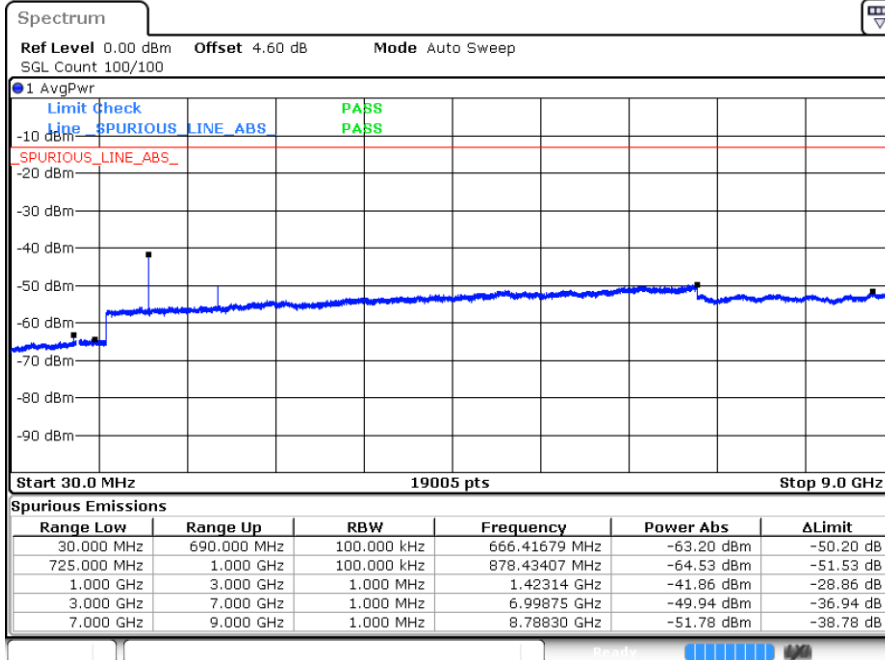


Date: 7.MAY.2021 21:10:43



Date: 7.MAY.2021 21:11:12

Highest Channel / QPSK



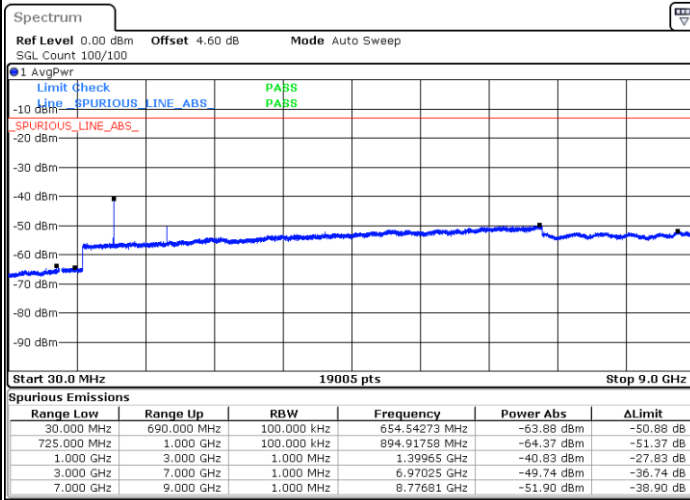
Date: 7.MAY.2021 21:11:40



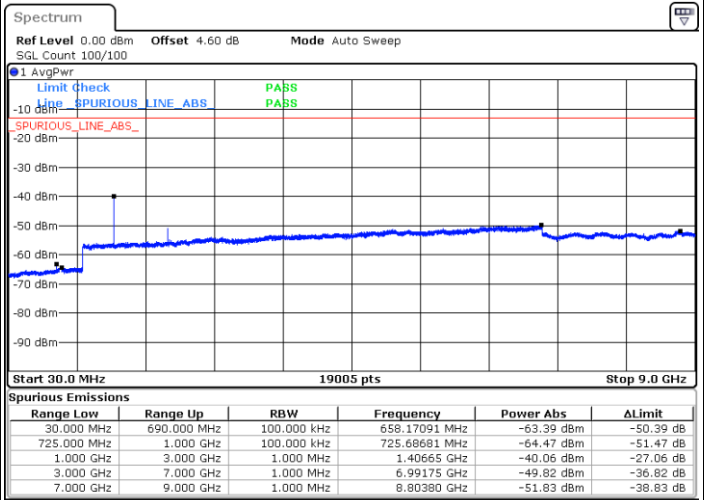
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

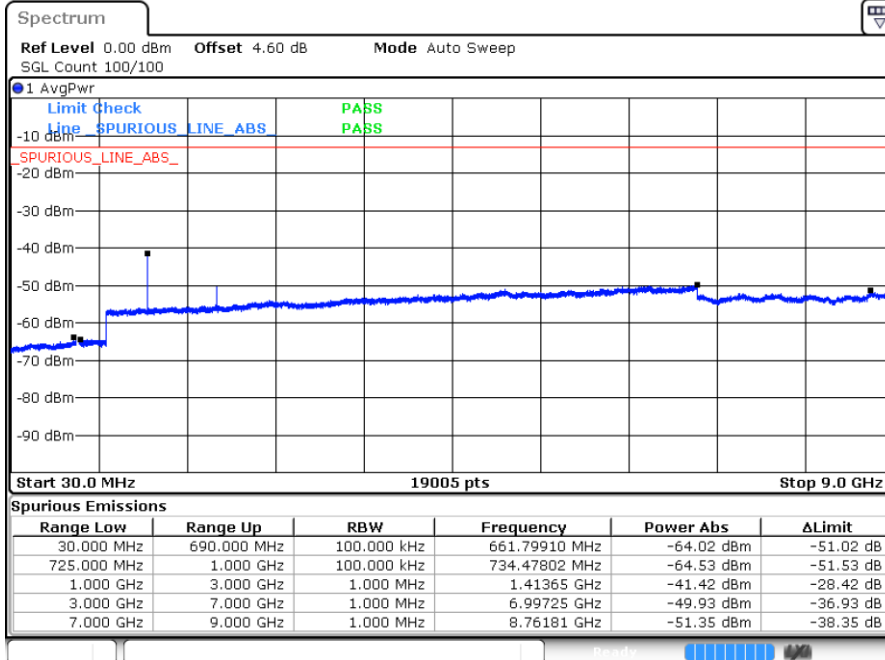


Date: 7.MAY.2021 21:12:40



Date: 7.MAY.2021 21:13:37

Highest Channel / QPSK



Date: 7.MAY.2021 21:16:04



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	0.0006	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	0.0000	
20	Battery End Point	0.0002	

Note:

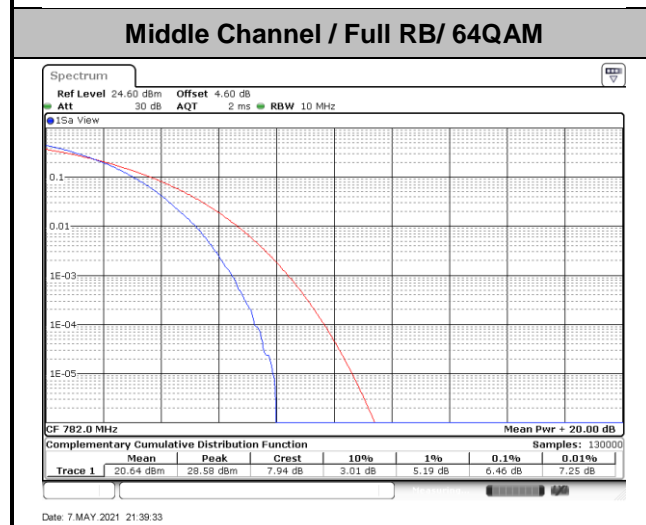
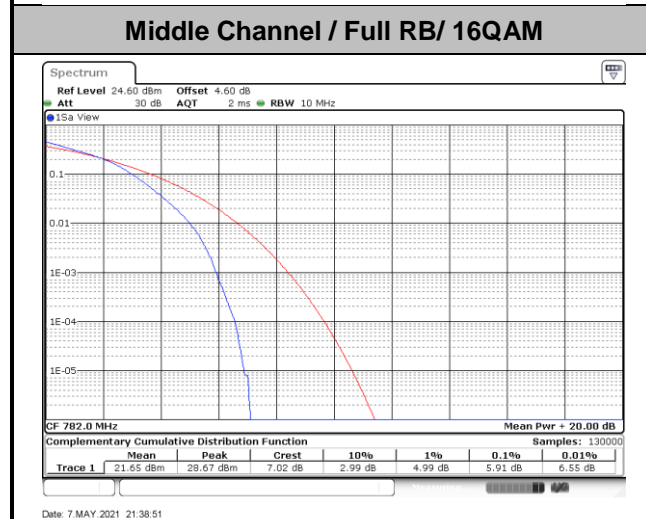
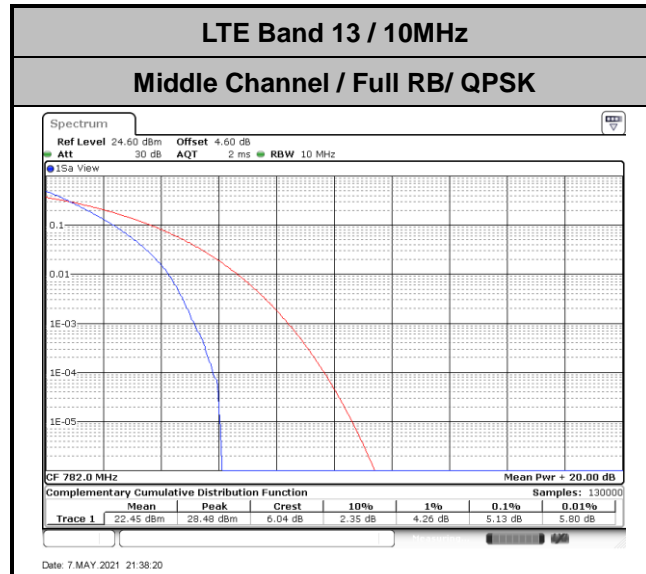
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

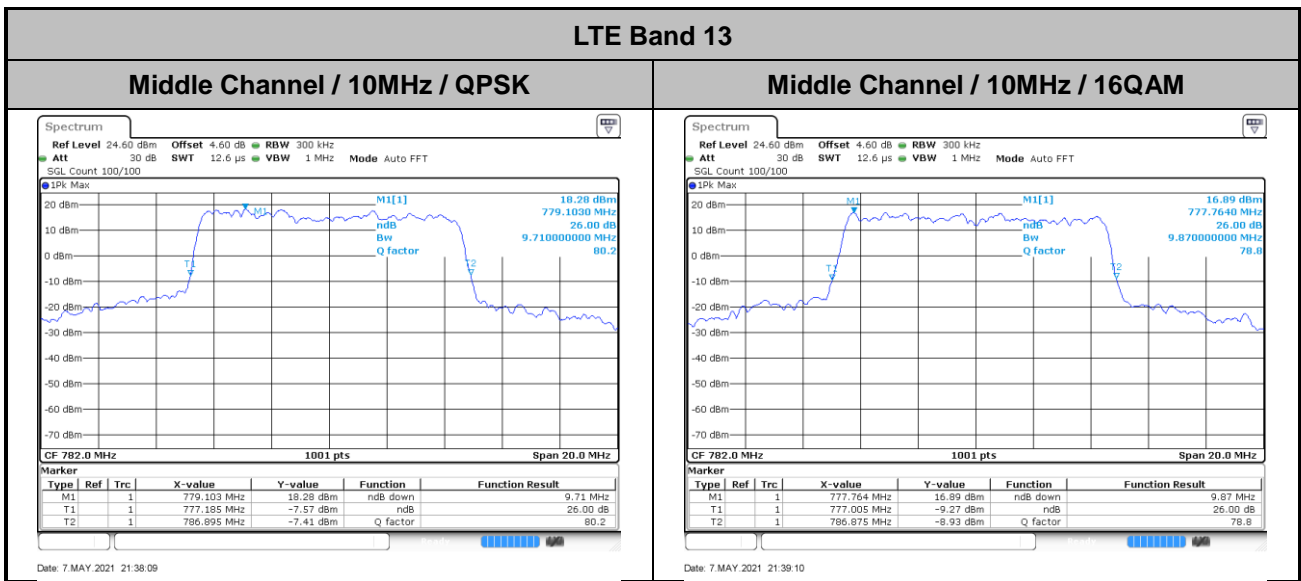
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.13	5.91	6.46	PASS





26dB Bandwidth

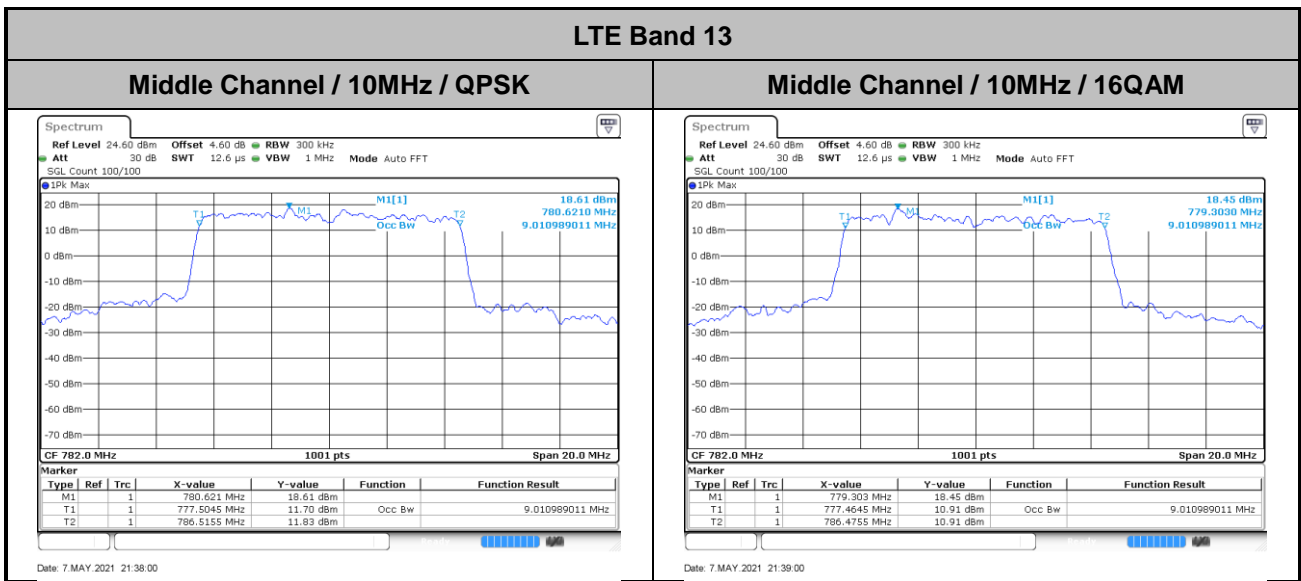
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.71	9.87





Occupied Bandwidth

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

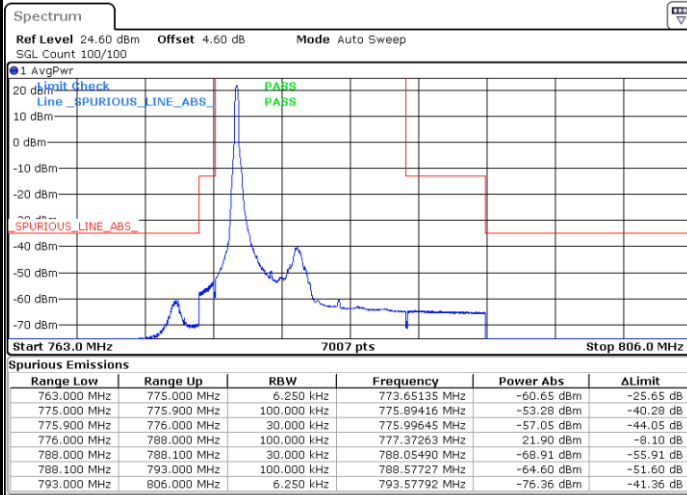




Conducted Band Edge

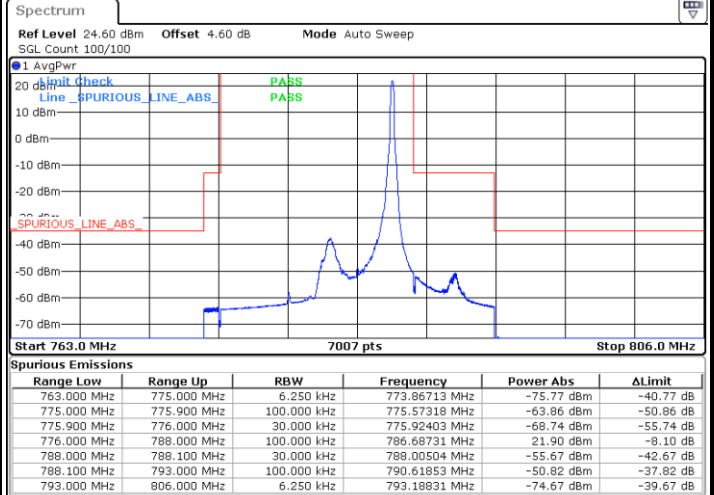
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



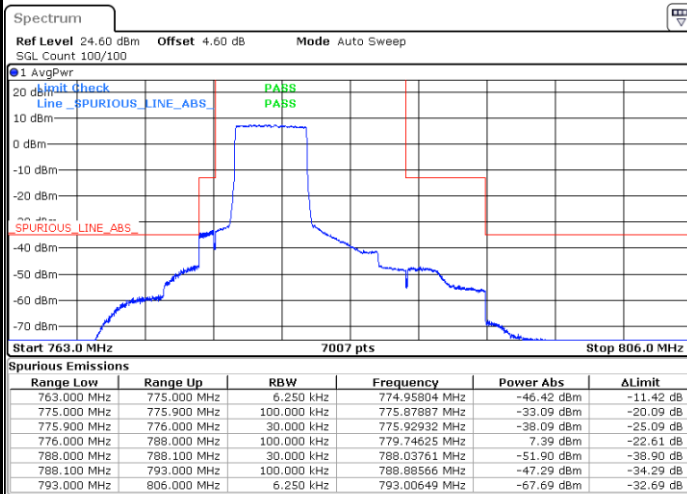
Date: 7.MAY.2021 21:21:21

Highest Band Edge / 1 RB



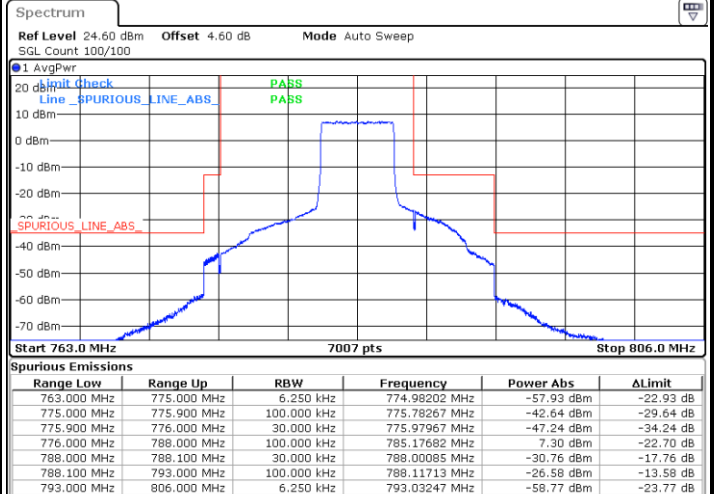
Date: 7.MAY.2021 21:30:23

Lowest Band Edge / Full RB



Date: 7.MAY.2021 21:25:19

Highest Band Edge / Full RB



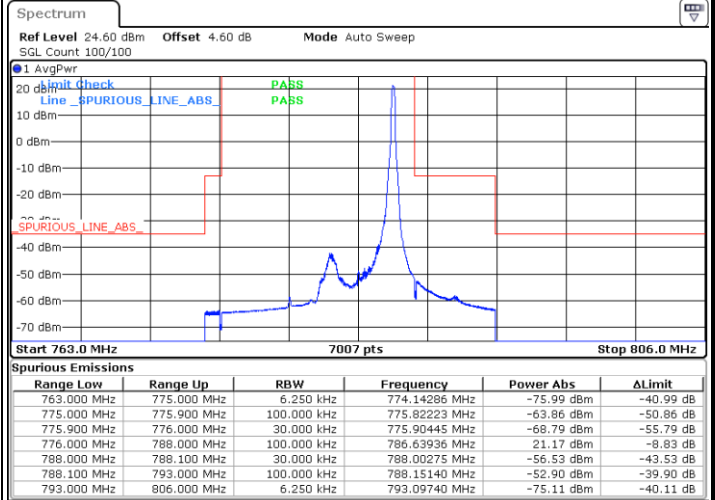
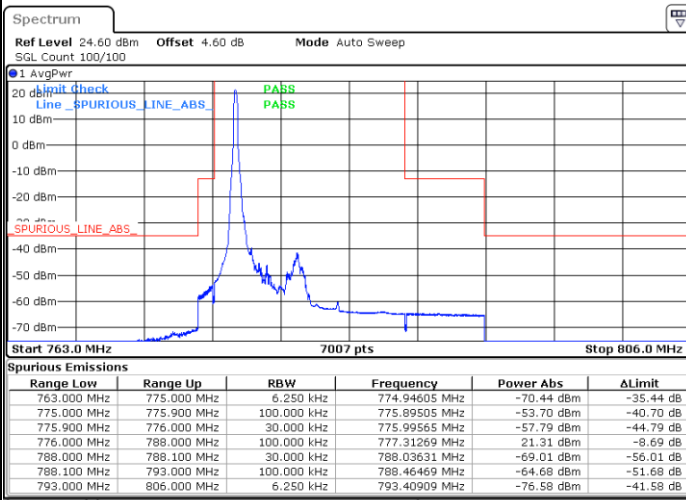
Date: 7.MAY.2021 21:33:52



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

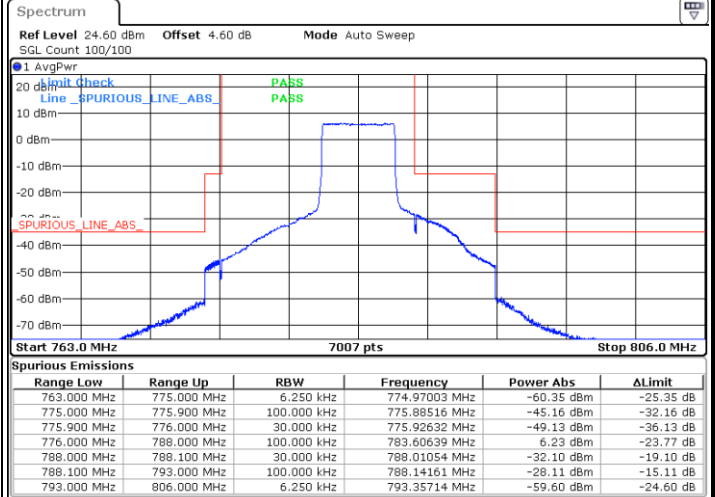
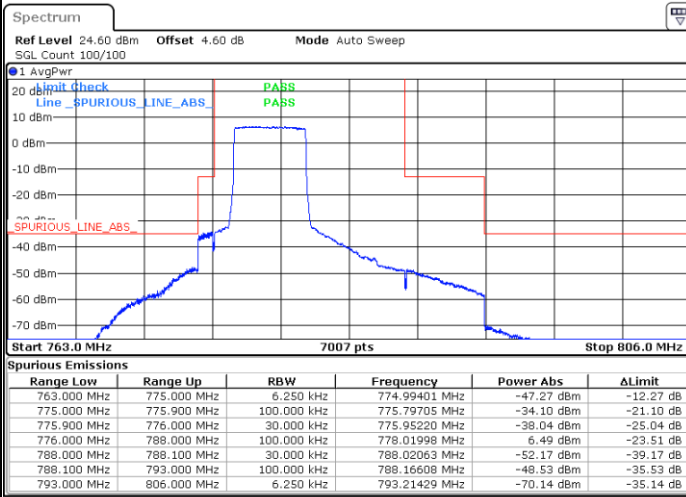


Date: 7.MAY.2021 21:22:32

Date: 7.MAY.2021 21:31:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



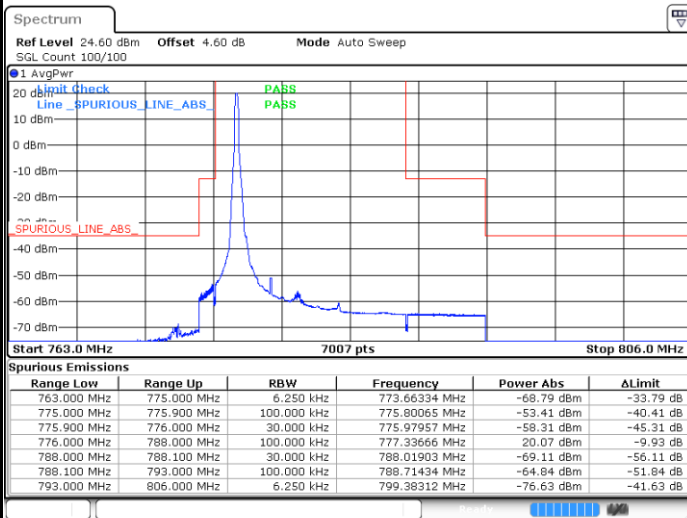
Date: 7.MAY.2021 21:26:32

Date: 7.MAY.2021 21:34:59



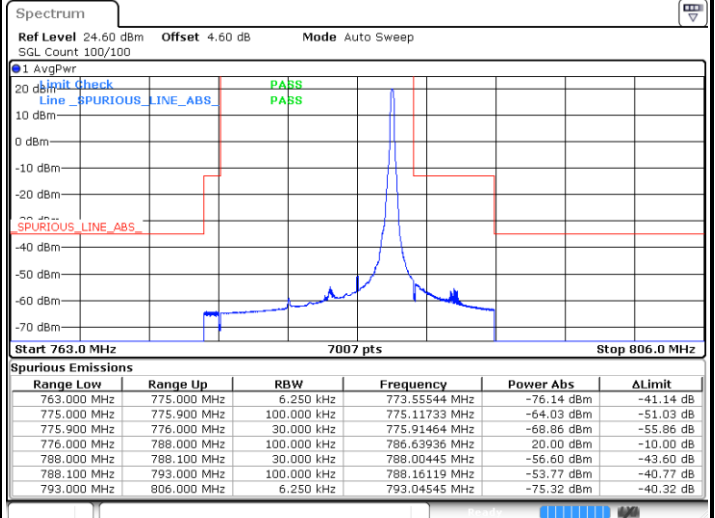
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB



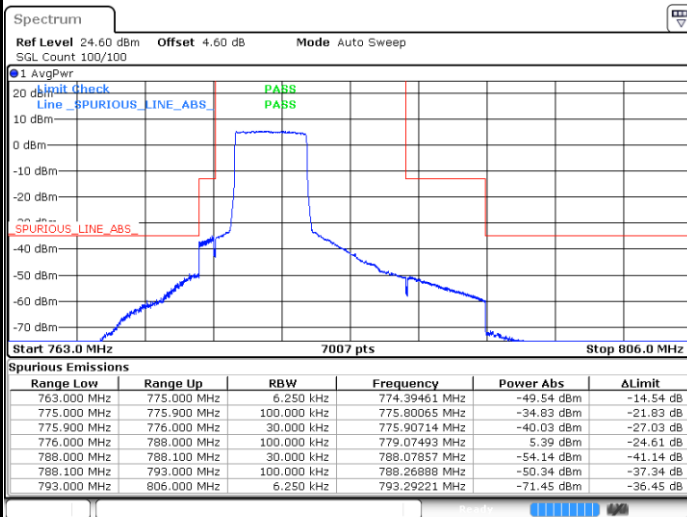
Date: 7.MAY.2021 21:23:48

Highest Band Edge / 1 RB



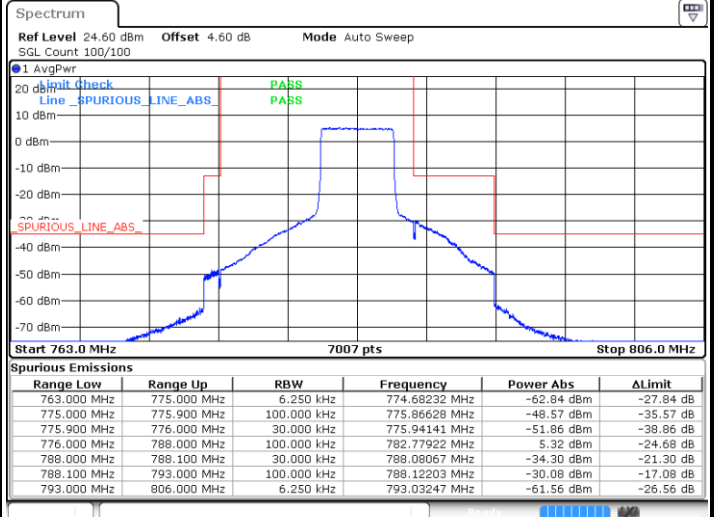
Date: 7.MAY.2021 21:32:38

Lowest Band Edge / Full RB



Date: 7.MAY.2021 21:27:40

Highest Band Edge / Full RB



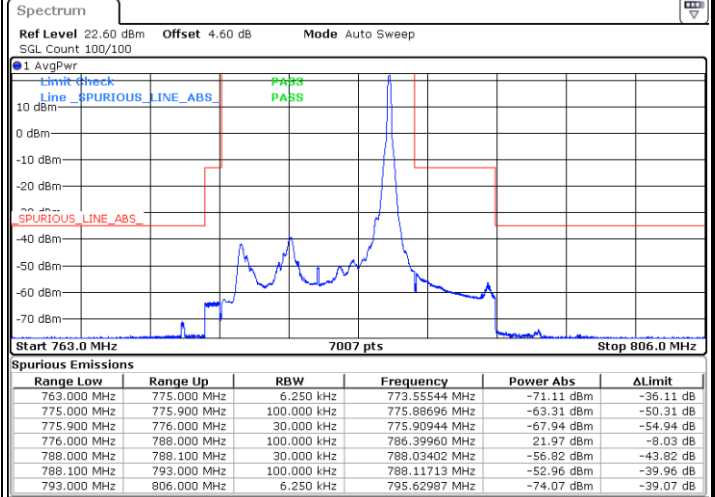
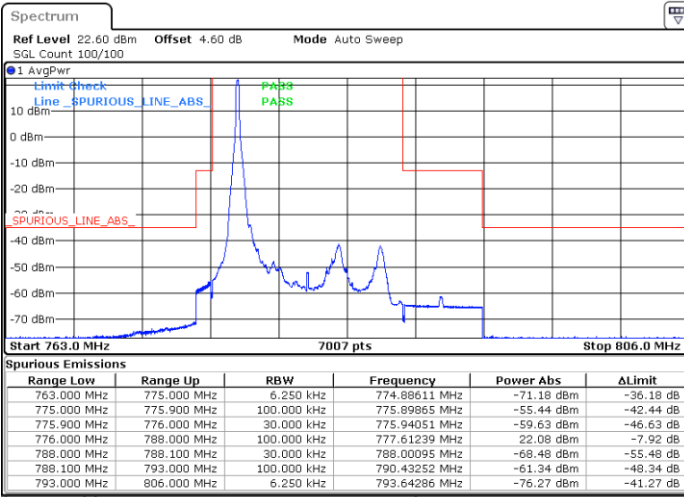
Date: 7.MAY.2021 21:36:07



LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB

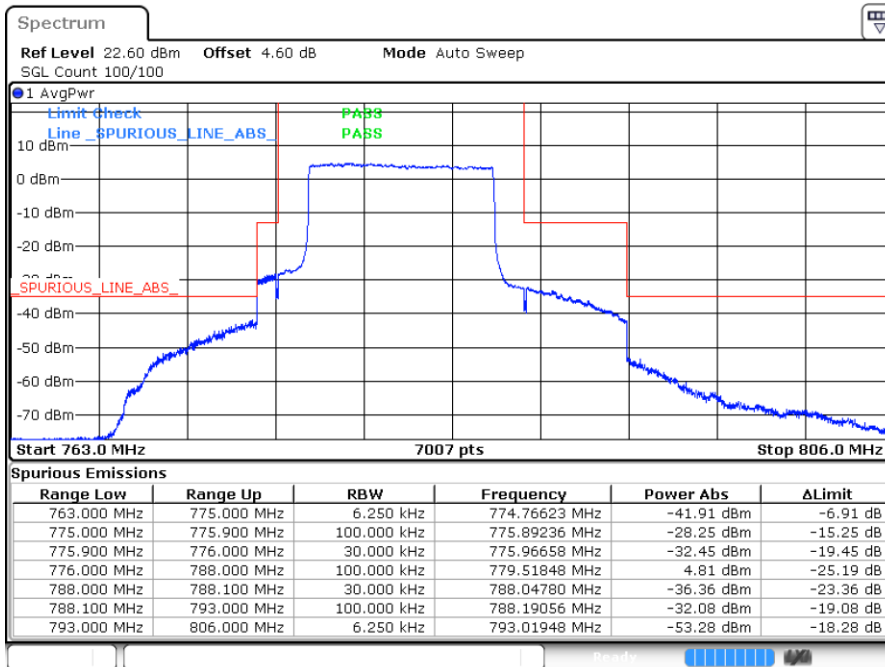
middle Band Edge / 1 RB



Date: 7.MAY.2021 21:41:47

Date: 7.MAY.2021 21:45:26

Middle Band Edge / Full RB

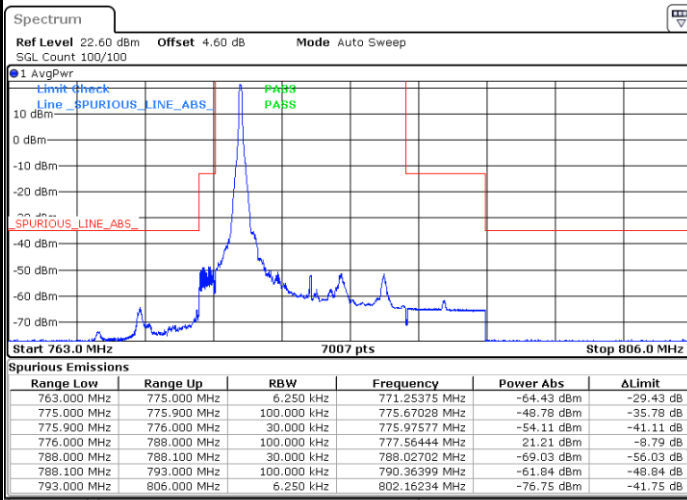


Date: 7.MAY.2021 21:49:07



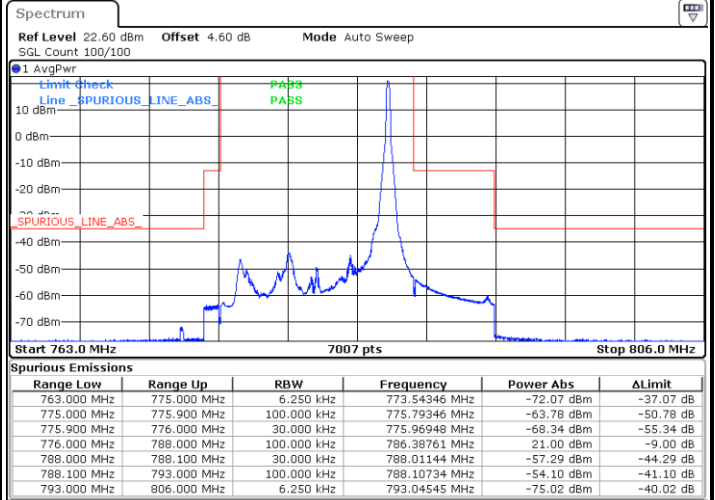
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



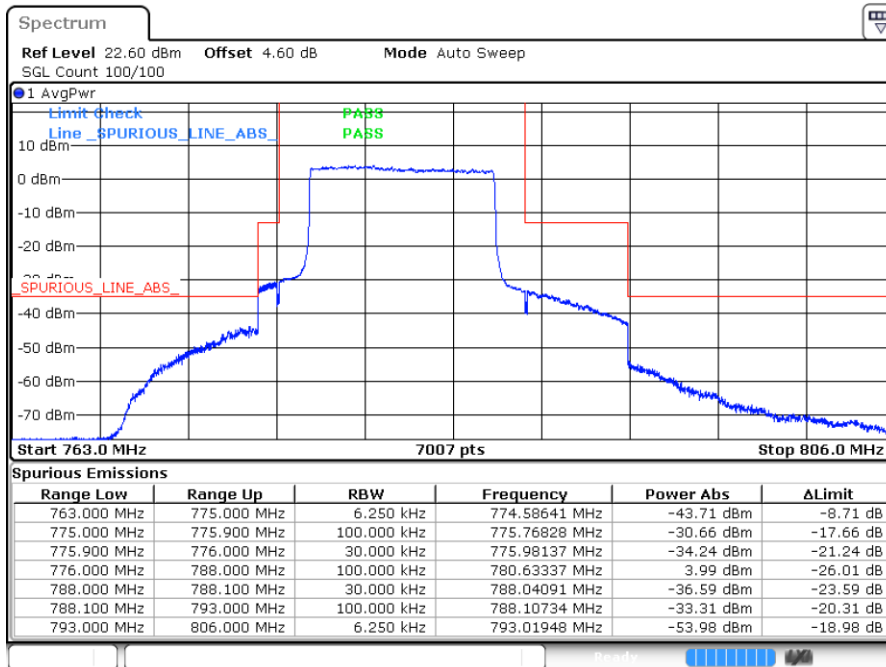
Date: 7.MAY.2021 21:42:52

middle Band Edge / 1 RB



Date: 7.MAY.2021 21:46:46

middle Band Edge / Full RB



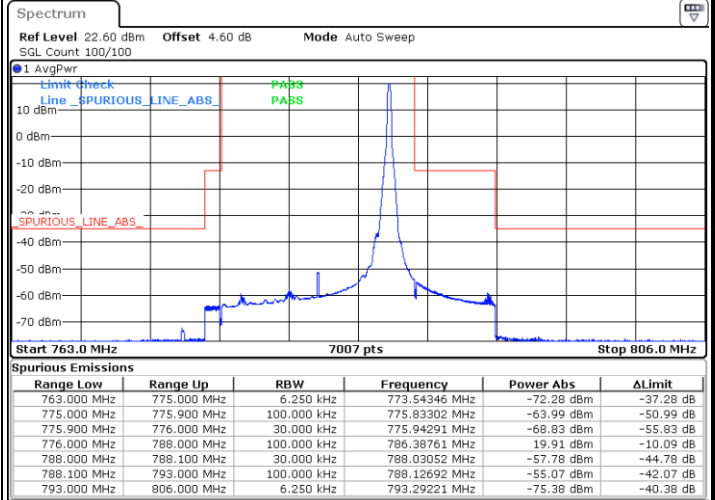
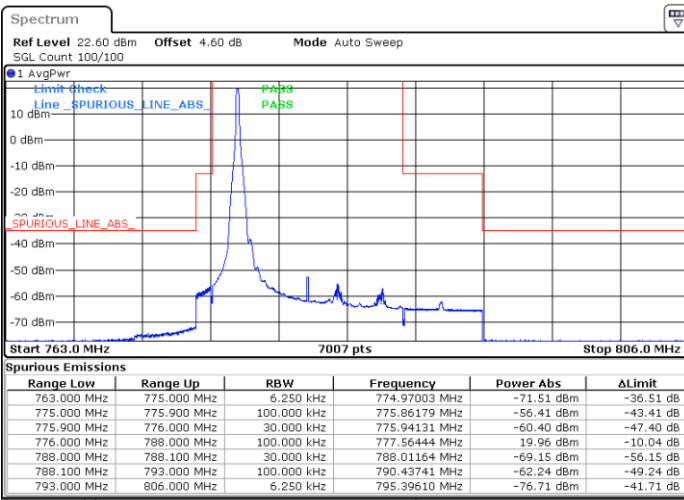
Date: 7.MAY.2021 21:50:23



LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB

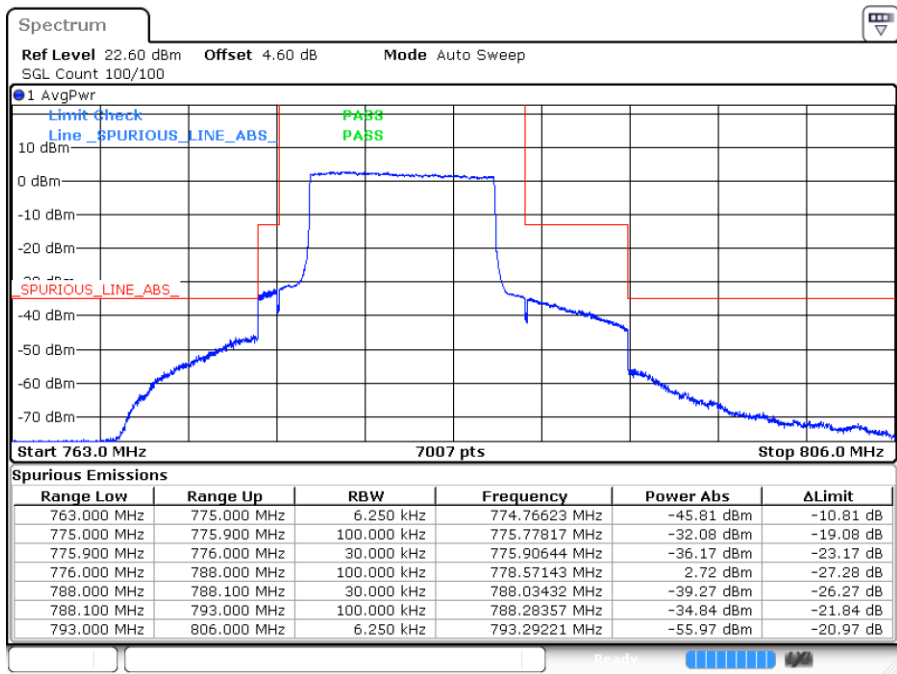
middle Band Edge / 1 RB



Date: 7.MAY.2021 21:43:59

Date: 7.MAY.2021 21:47:53

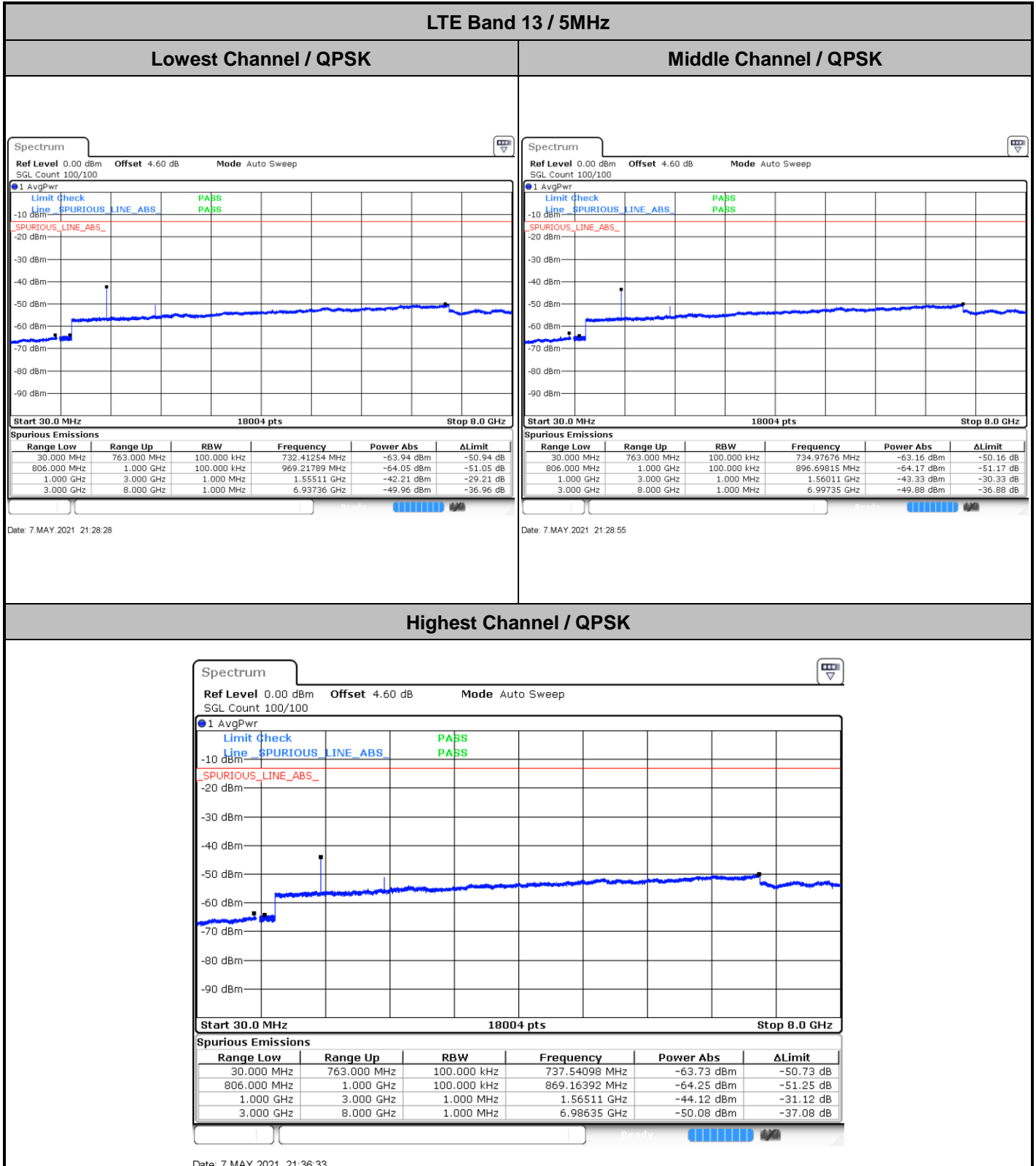
middle Band Edge / Full RB



Date: 7.MAY.2021 21:51:35



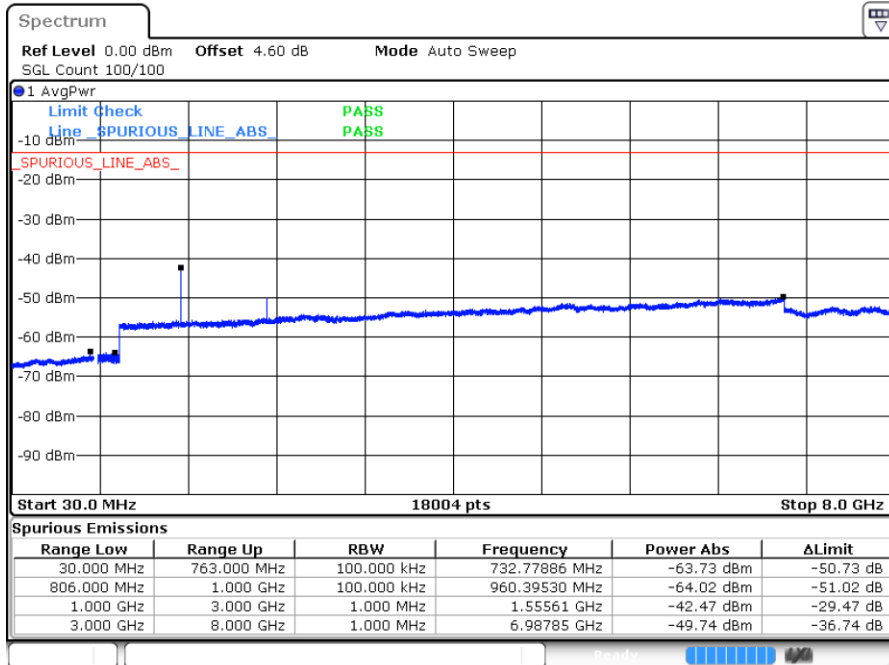
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 7 MAY 2021 21:40:16



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	0.0012	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	0.0052	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0036	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

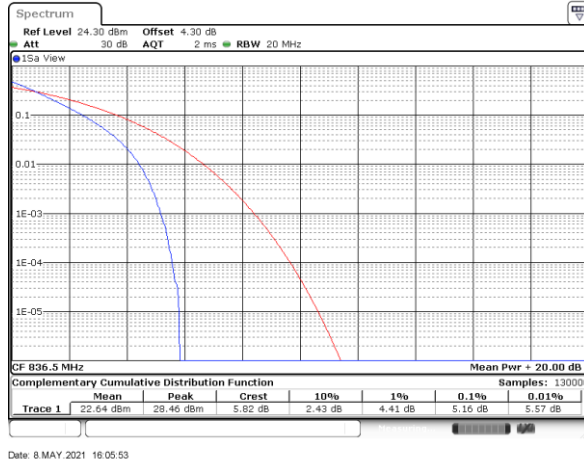
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.16	6.14	6.14	PASS



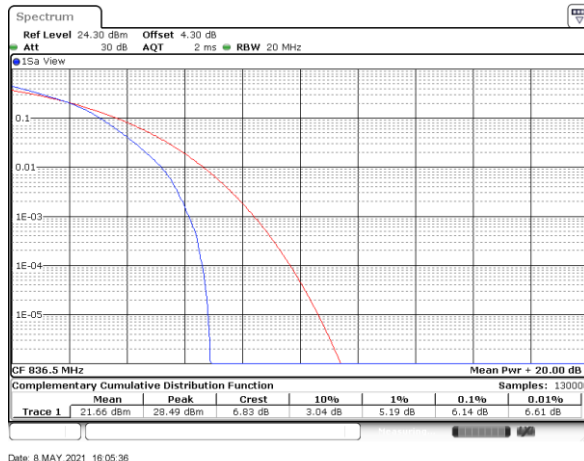
LTE Band 26 / 15MHz

Middle Channel / Full RB/ QPSK



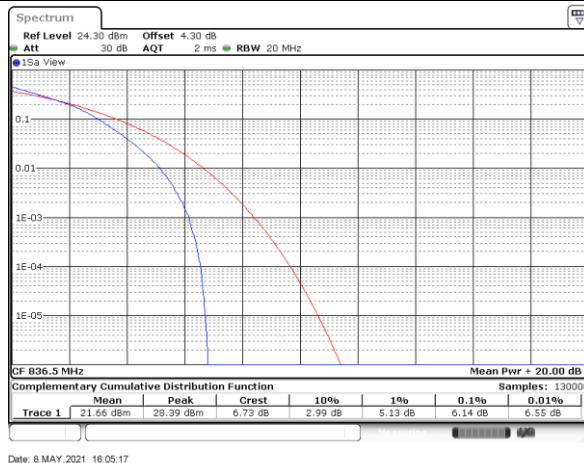
Date: 8 MAY 2021 16:05:53

Middle Channel / Full RB/ 16QAM



Date: 8 MAY 2021 16:05:36

Middle Channel / Full RB/ 64QAM

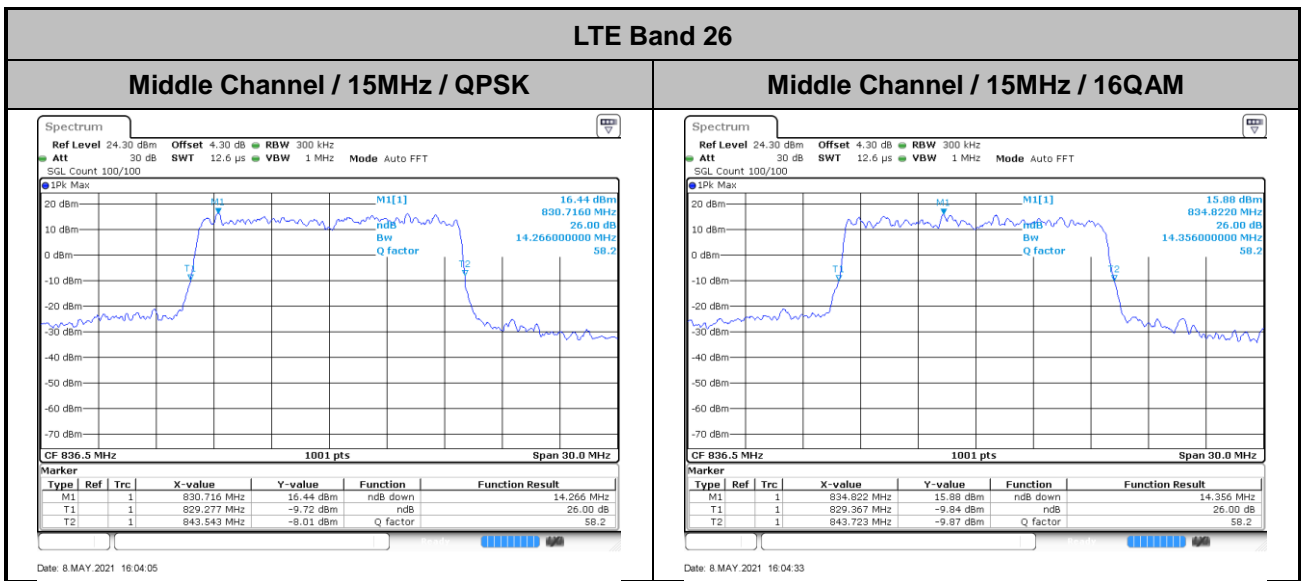


Date: 8 MAY 2021 16:05:17



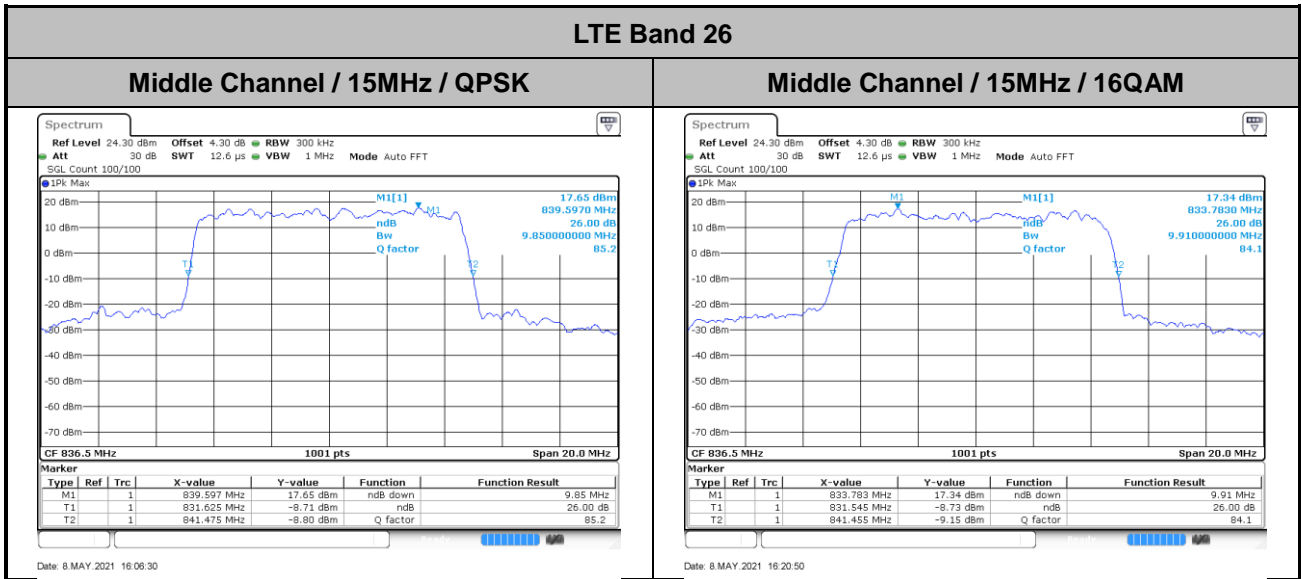
26dB Bandwidth

Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.27	14.36





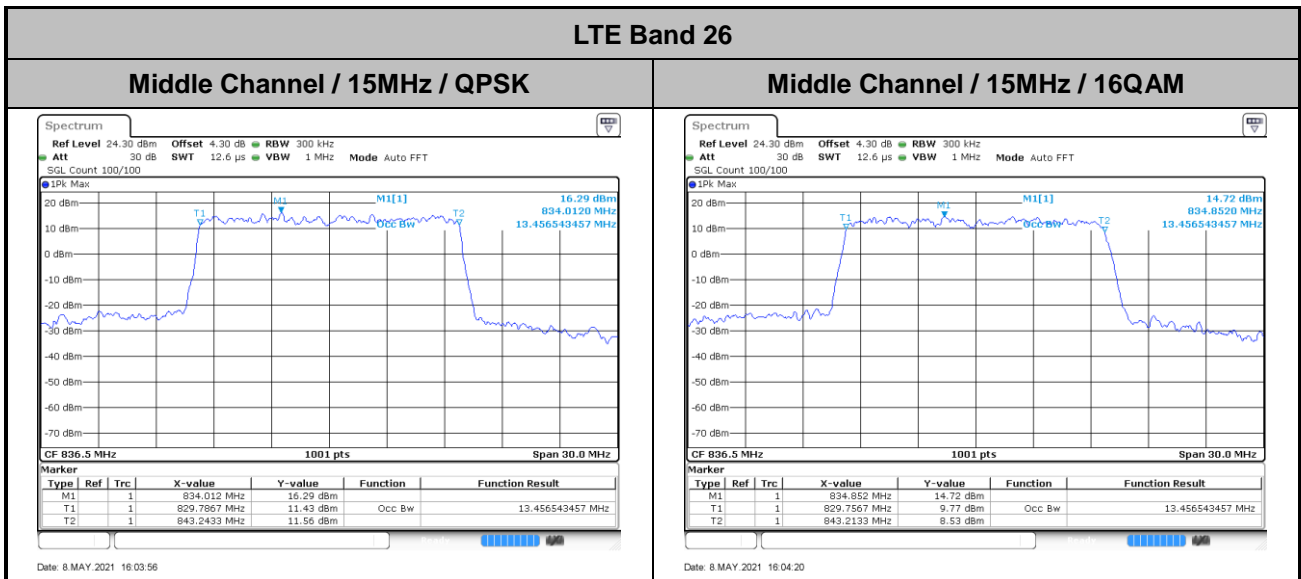
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.85	9.91





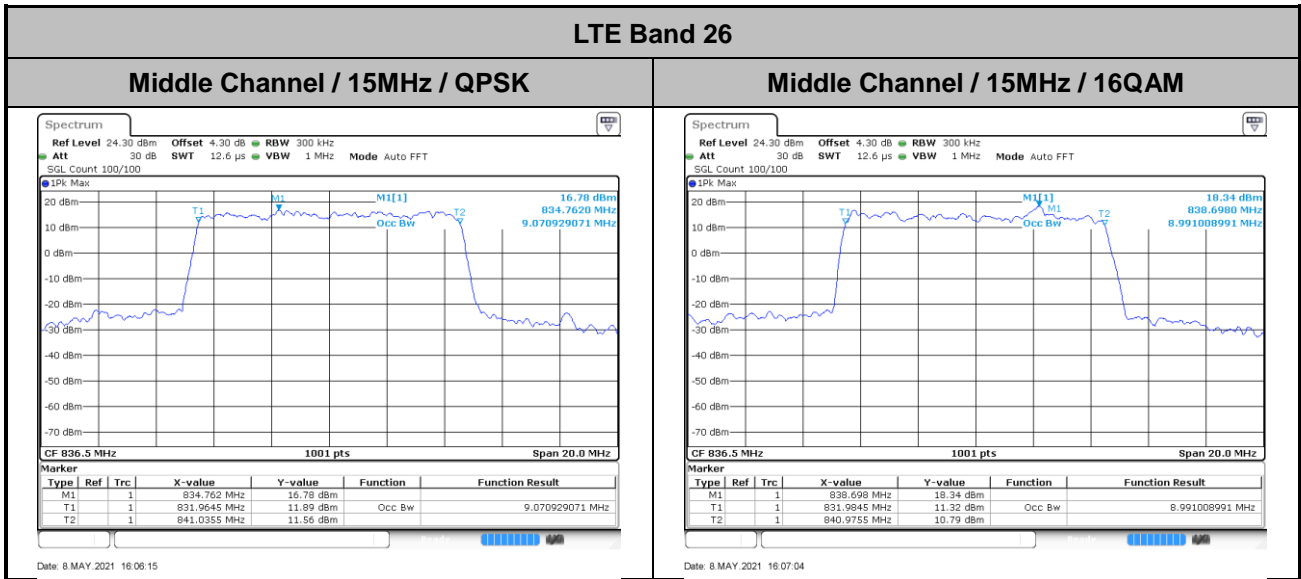
Occupied Bandwidth

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



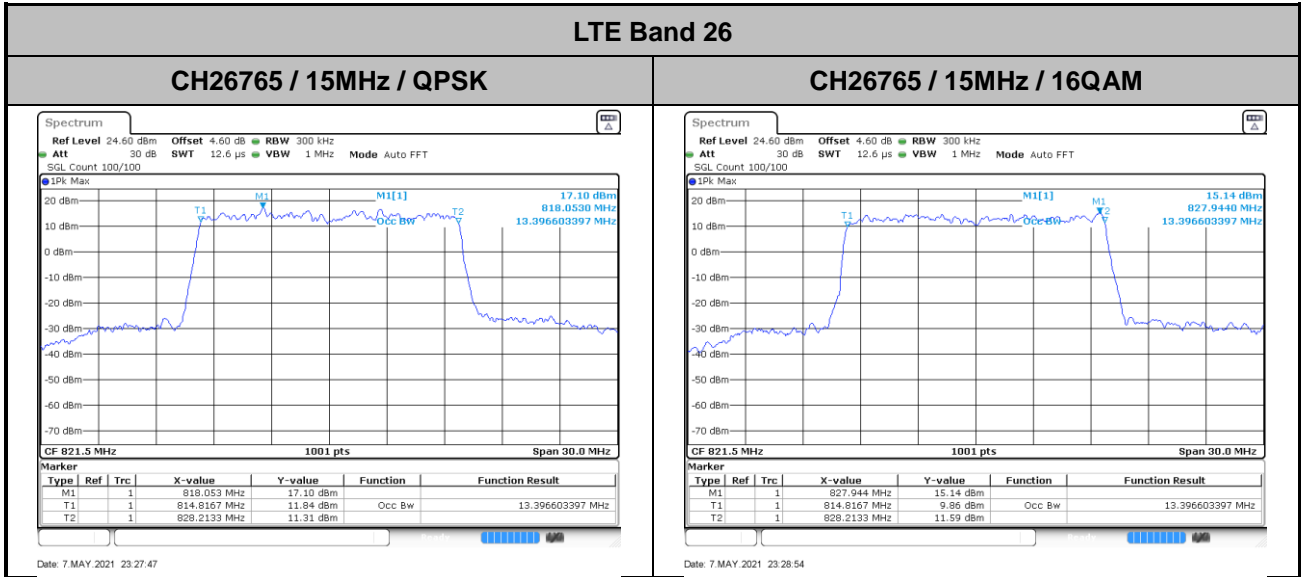


Mode	LTE Band 26 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	8.99





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





Conducted Band Edge

