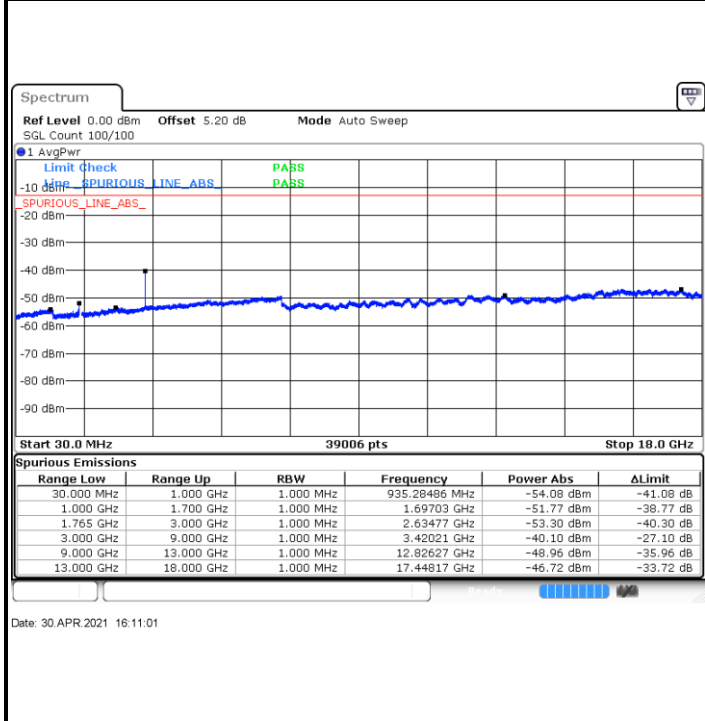


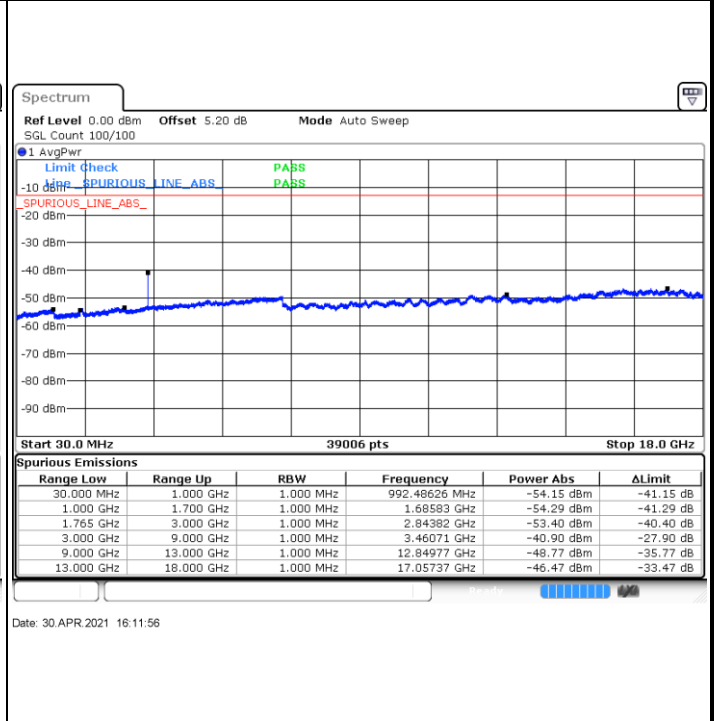


LTE Band 4 / 5MHz

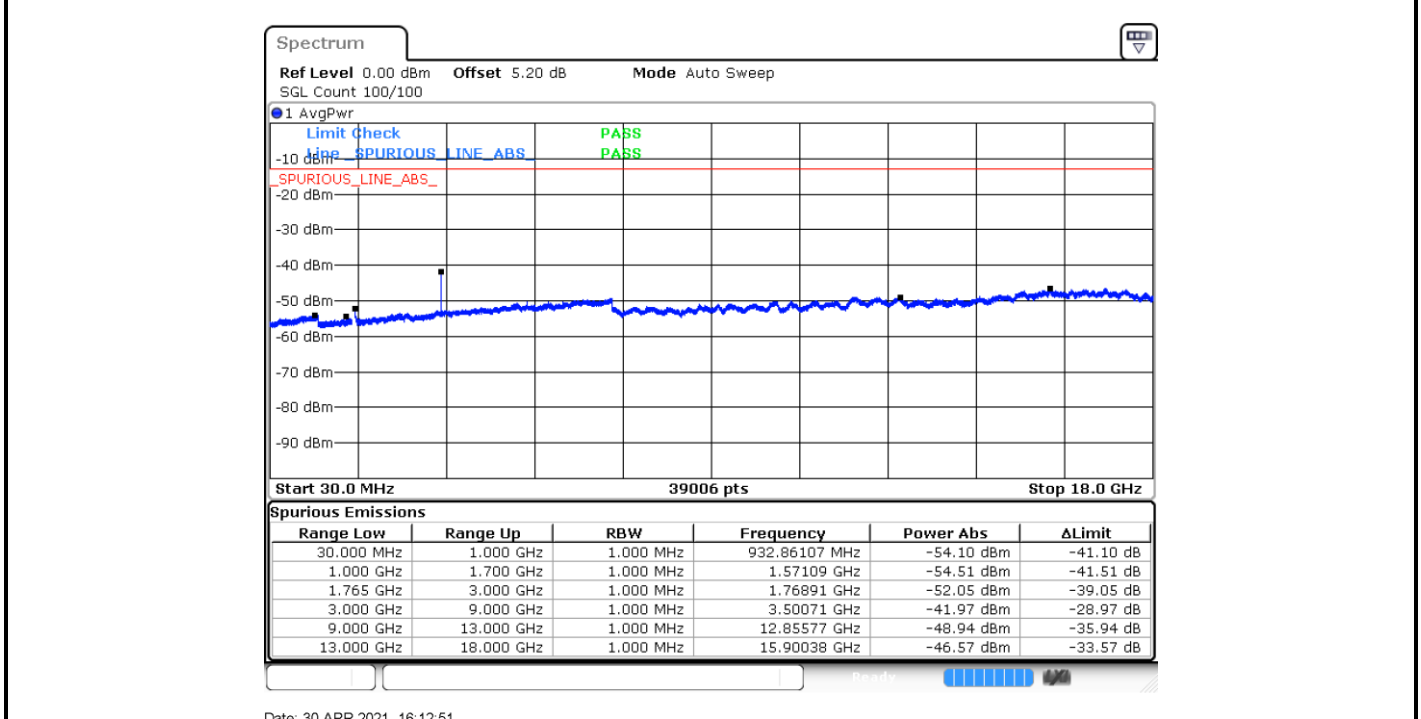
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

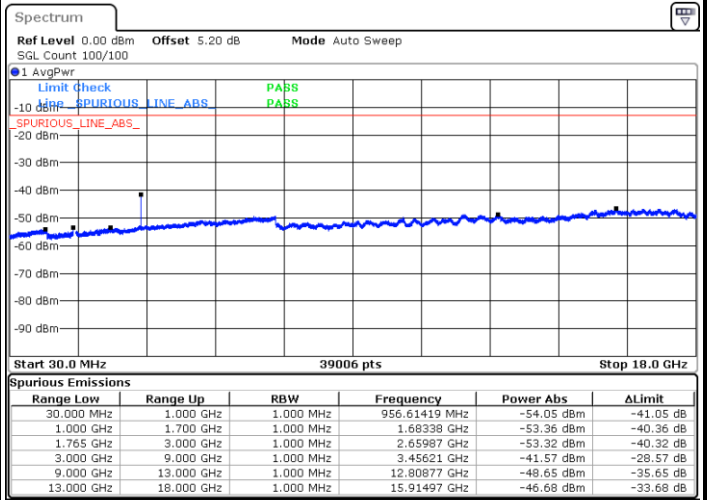
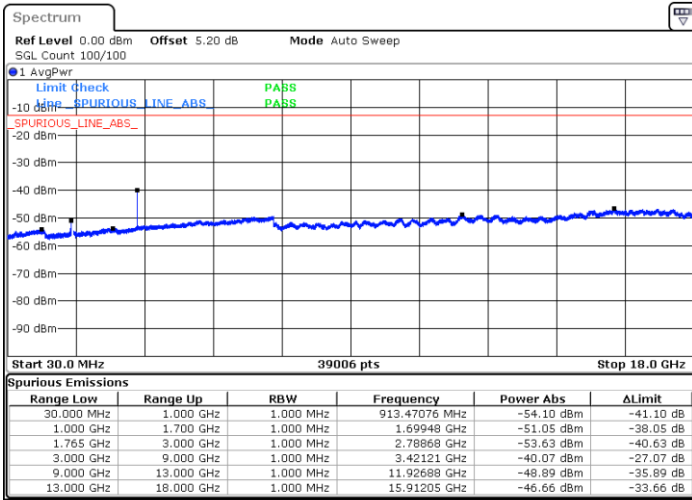




LTE Band 4 / 10MHz

Lowest Channel / QPSK

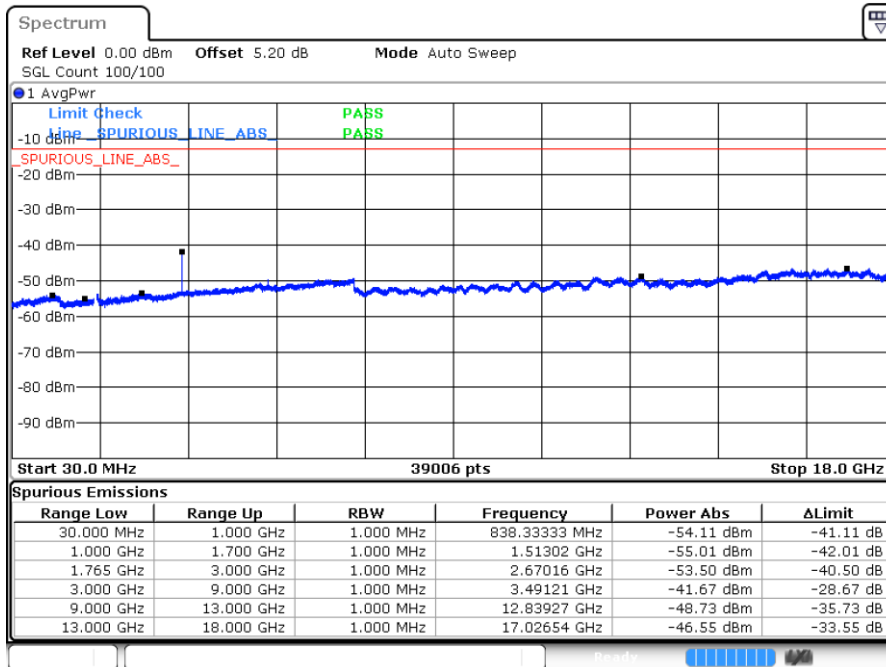
Middle Channel / QPSK



Date: 30 APR 2021 16:08:16

Date: 30 APR 2021 16:09:11

Highest Channel / QPSK



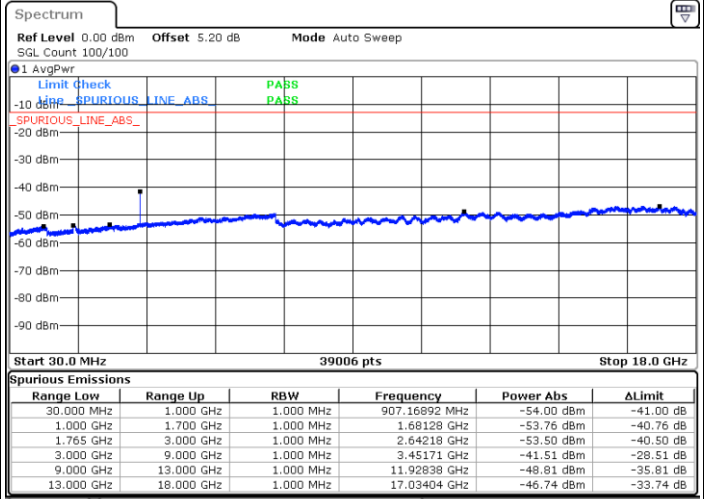
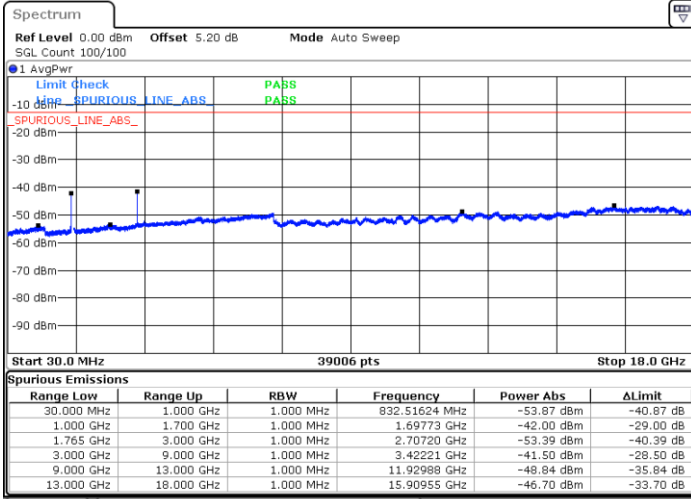
Date: 30 APR 2021 16:10:06



LTE Band 4 / 15MHz

Lowest Channel / QPSK

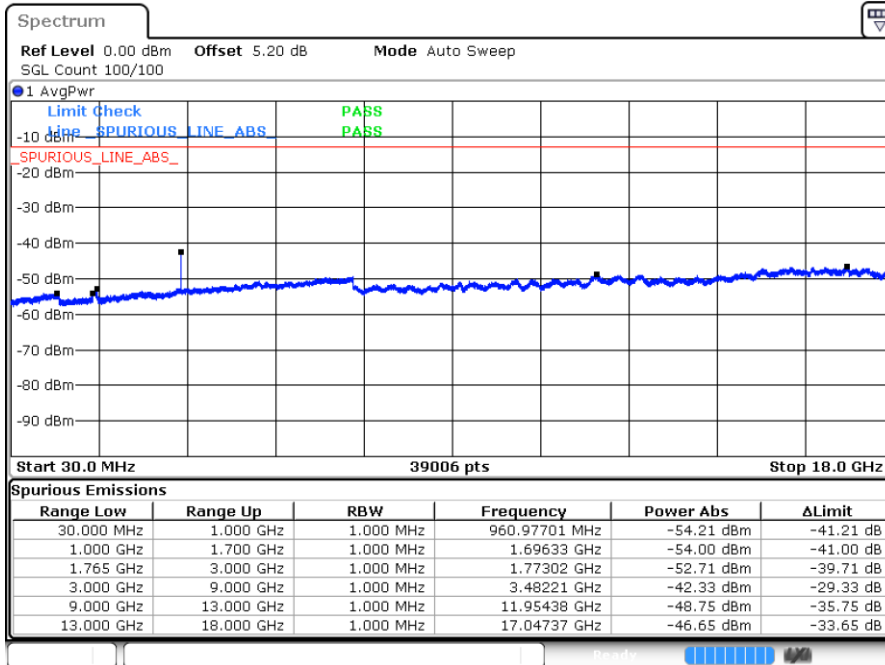
Middle Channel / QPSK



Date: 30 APR 2021 16:05:31

Date: 30 APR 2021 16:06:26

Highest Channel / QPSK



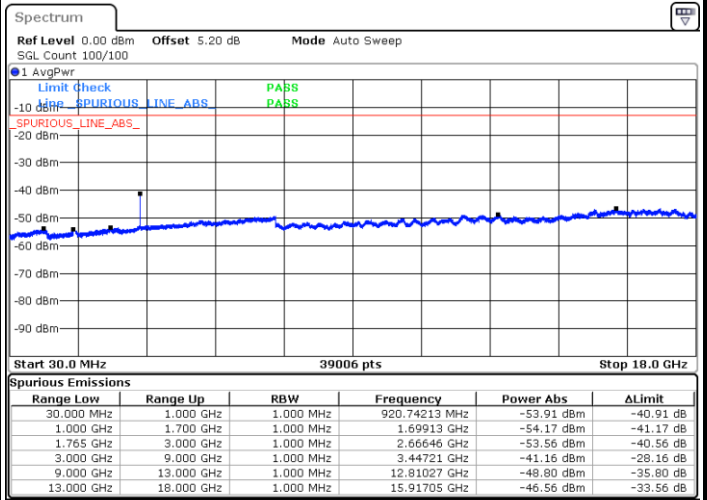
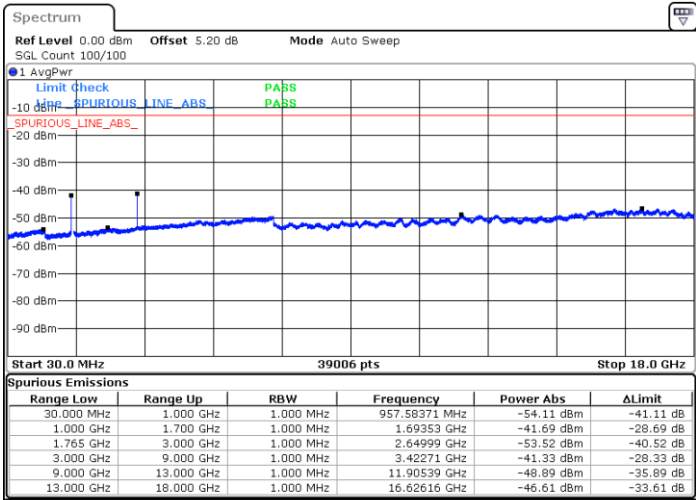
Date: 30 APR 2021 16:07:21



LTE Band 4 / 20MHz

Lowest Channel / QPSK

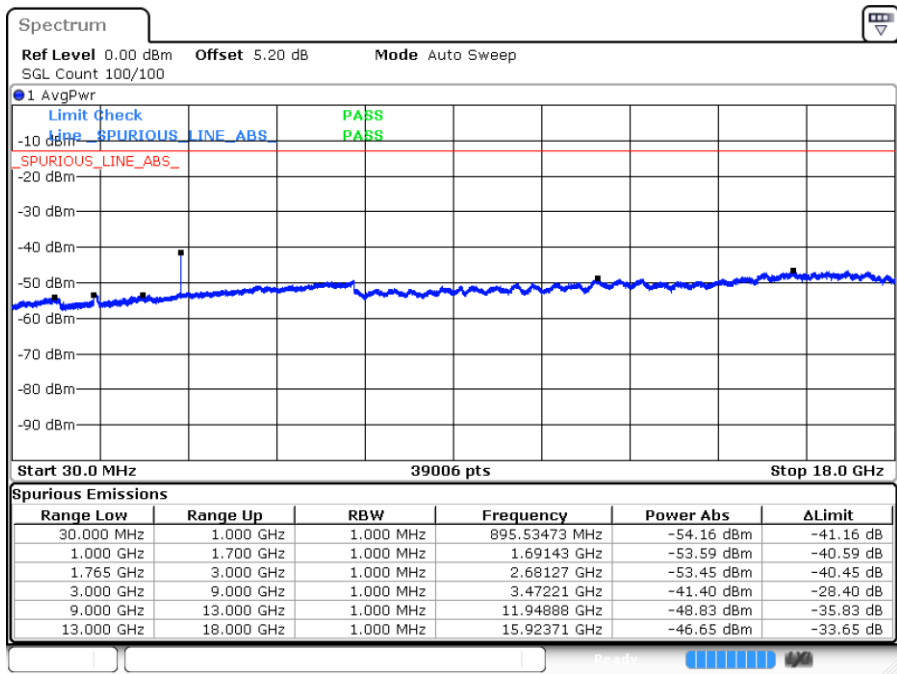
Middle Channel / QPSK



Date: 30 APR 2021 15:44:15

Date: 30 APR 2021 15:45:09

Highest Channel / QPSK



Date: 30 APR 2021 15:46:04



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

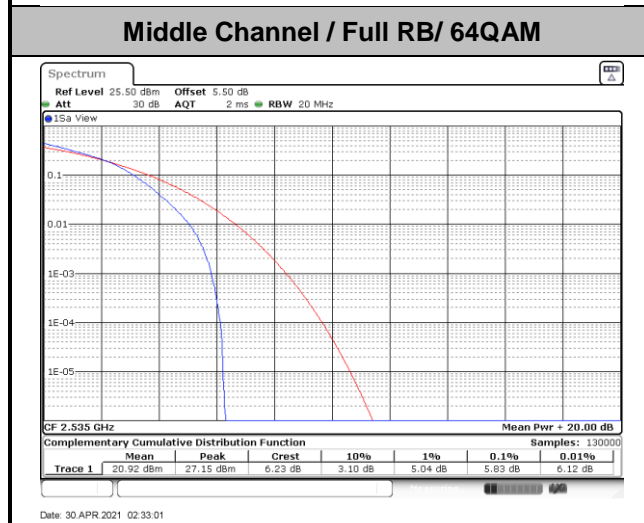
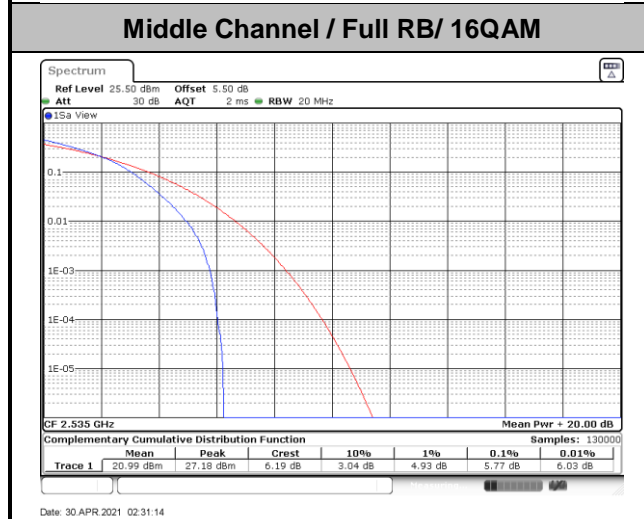
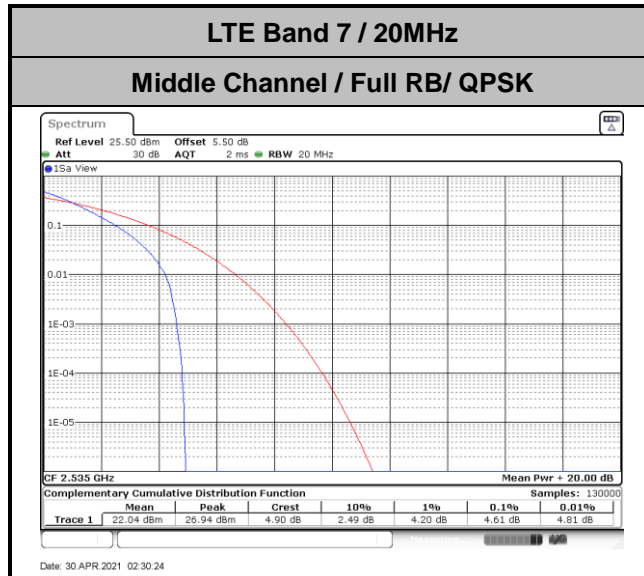
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

Peak-to-Average Ratio

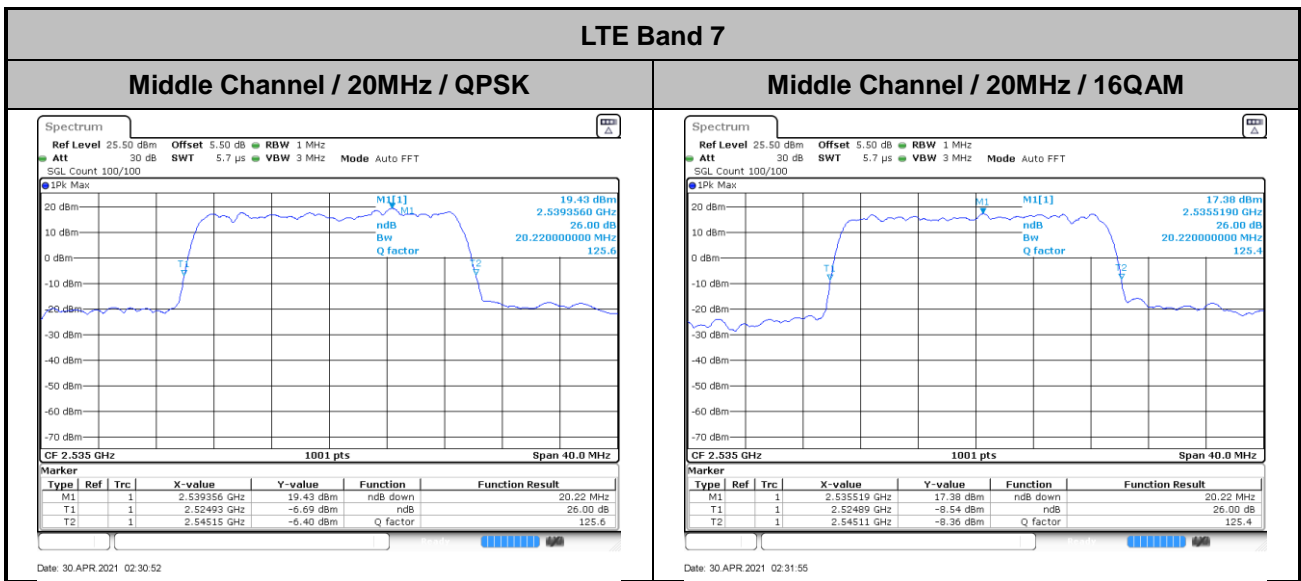
Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.61	5.77	5.83	PASS





26dB Bandwidth

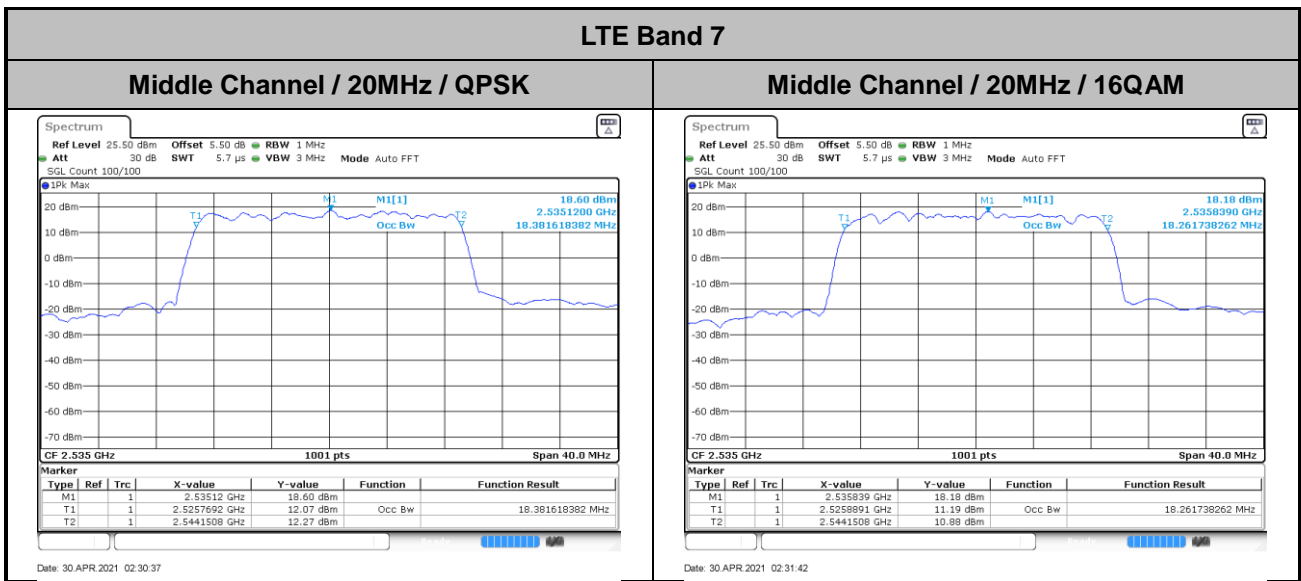
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.22	20.22





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.382	18.262

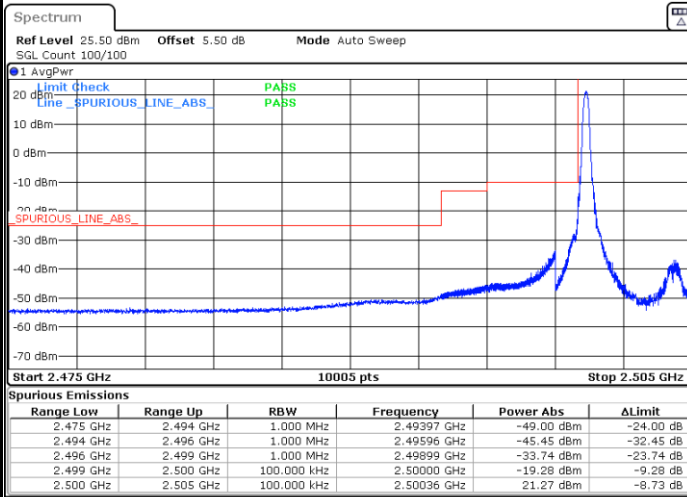




Conducted Band Edge

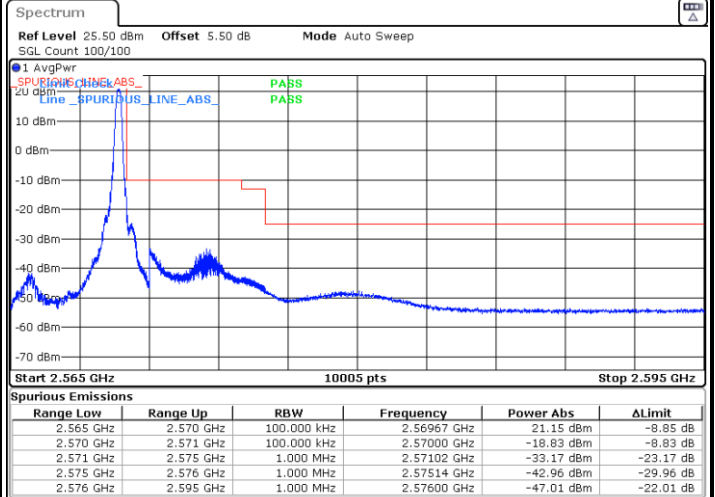
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



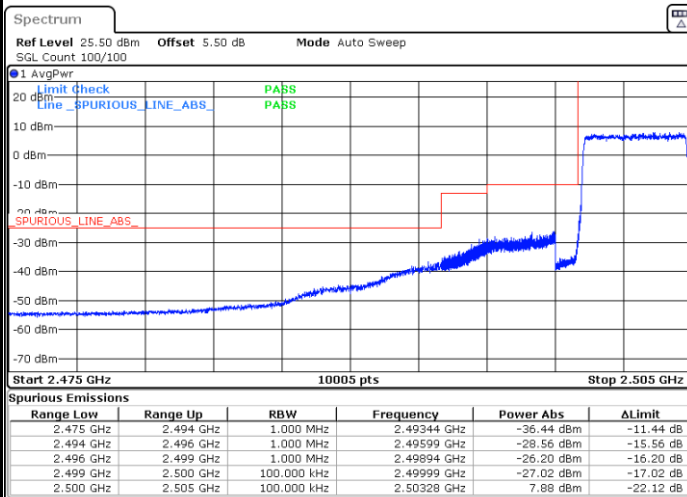
Date: 30 APR 2021 00:56:26

Highest Band Edge / 1 RB



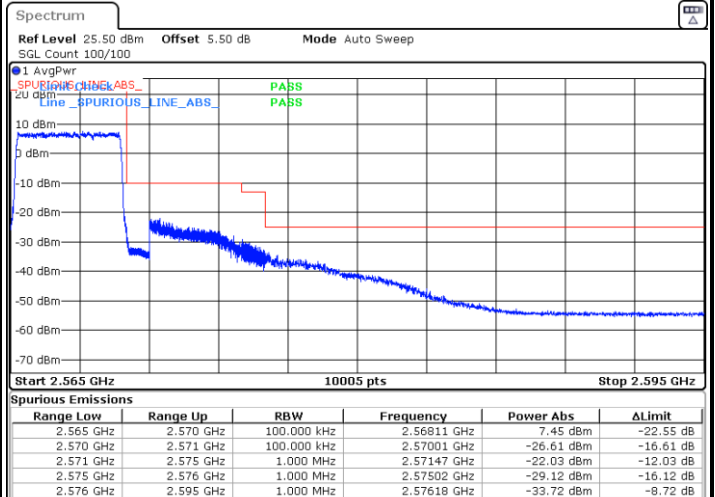
Date: 30 APR 2021 01:07:47

Lowest Band Edge / Full RB



Date: 30 APR 2021 01:02:59

Highest Band Edge / Full RB

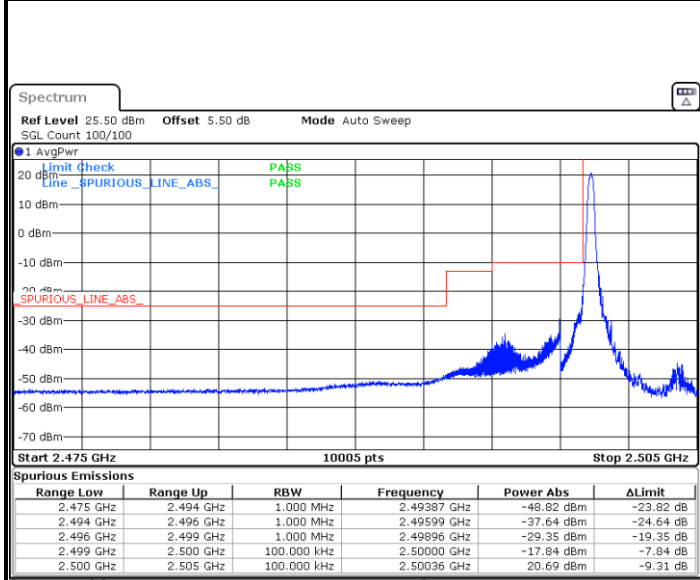


Date: 30 APR 2021 01:05:46



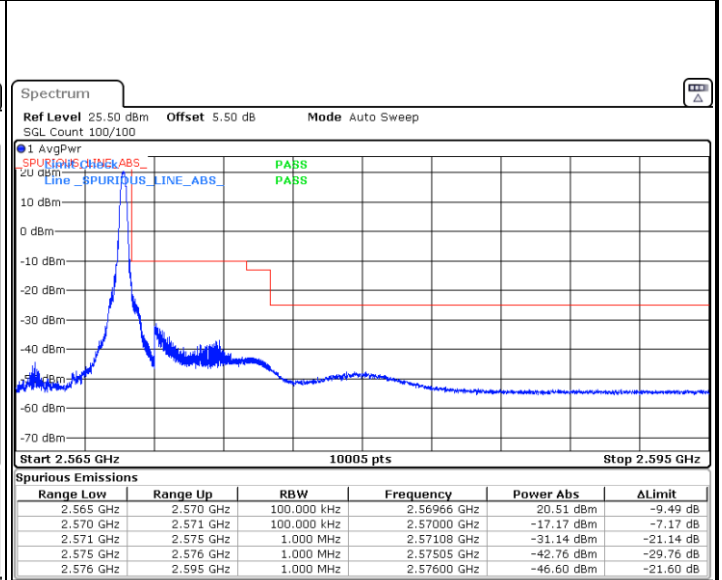
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



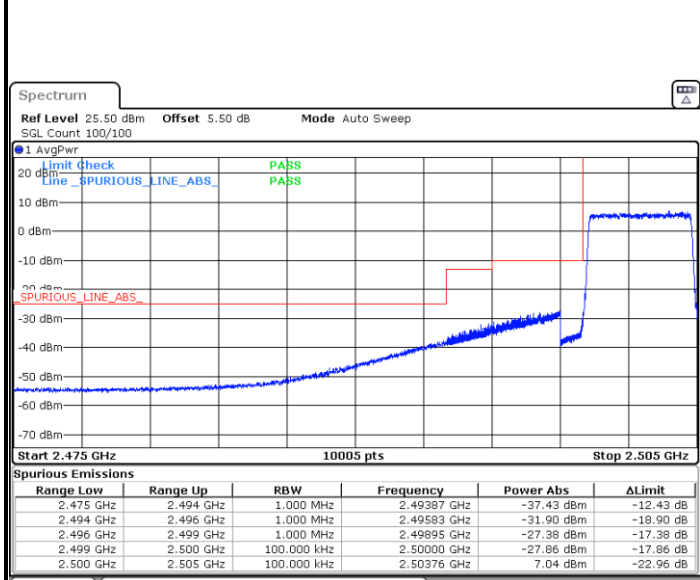
Date: 30 APR 2021 00:58:32

Highest Band Edge / 1 RB



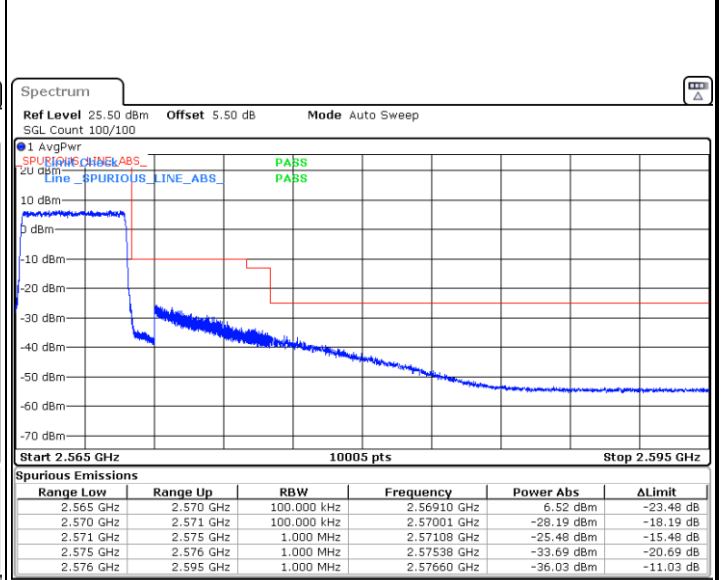
Date: 30 APR 2021 01:08:25

Lowest Band Edge / Full RB



Date: 30 APR 2021 01:04:17

Highest Band Edge / Full RB

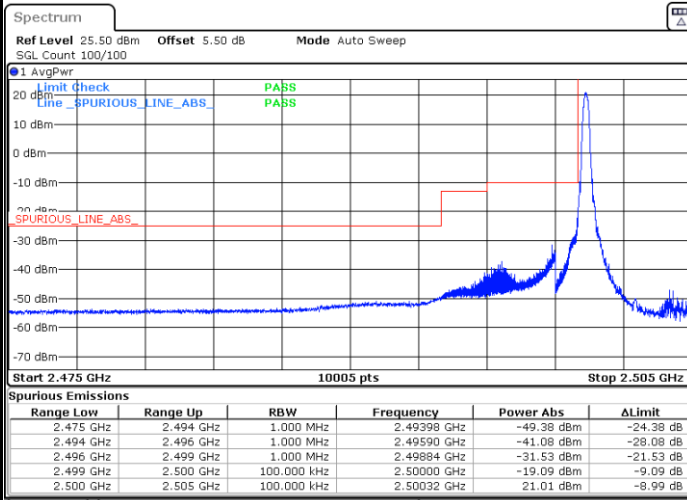


Date: 30 APR 2021 01:06:42



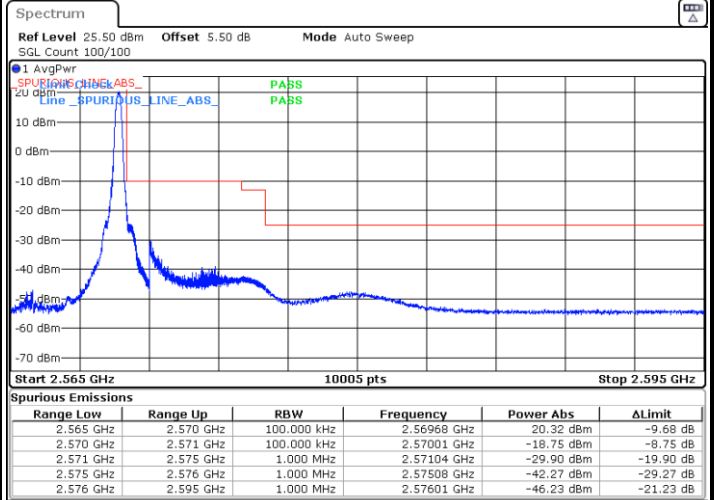
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



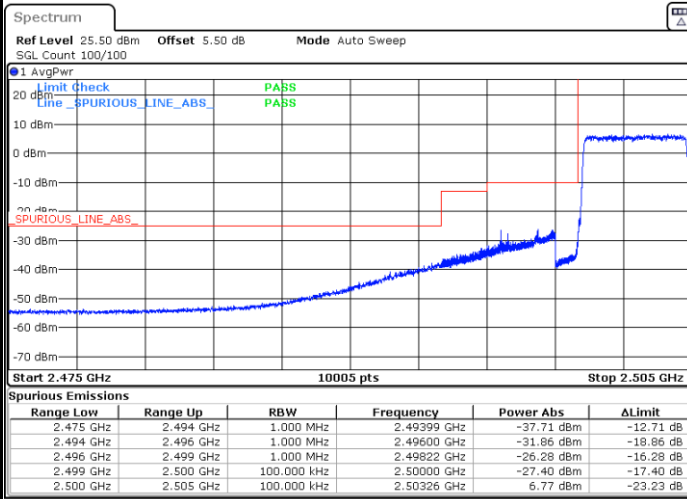
Date: 30 APR 2021 01:01:42

Highest Band Edge / 1 RB



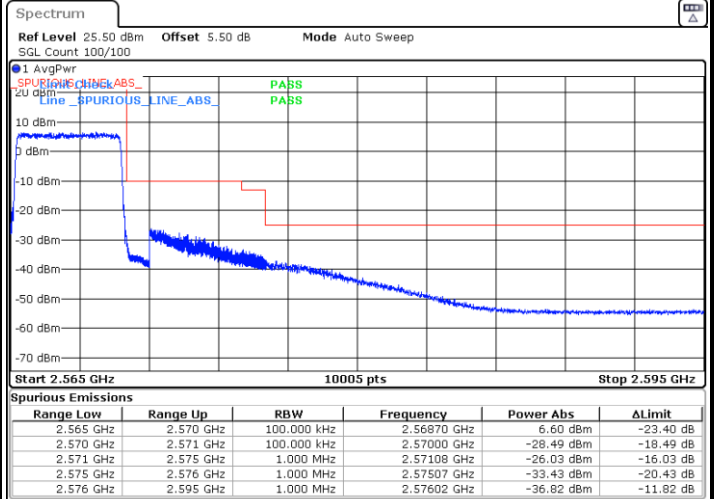
Date: 30 APR 2021 01:09:55

Lowest Band Edge / Full RB



Date: 30 APR 2021 01:04:52

Highest Band Edge / Full RB

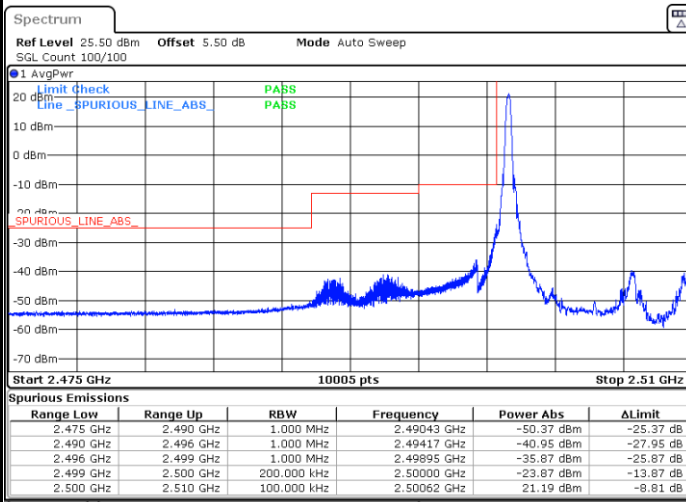


Date: 30 APR 2021 01:07:17



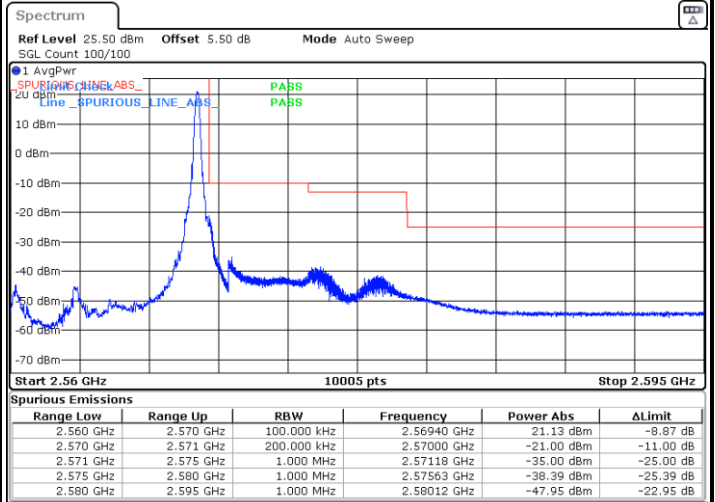
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



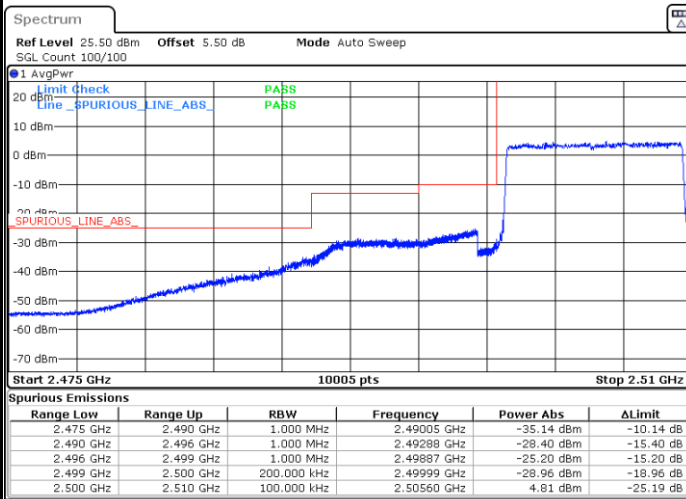
Date: 30 APR 2021 01:11:59

Highest Band Edge / 1 RB



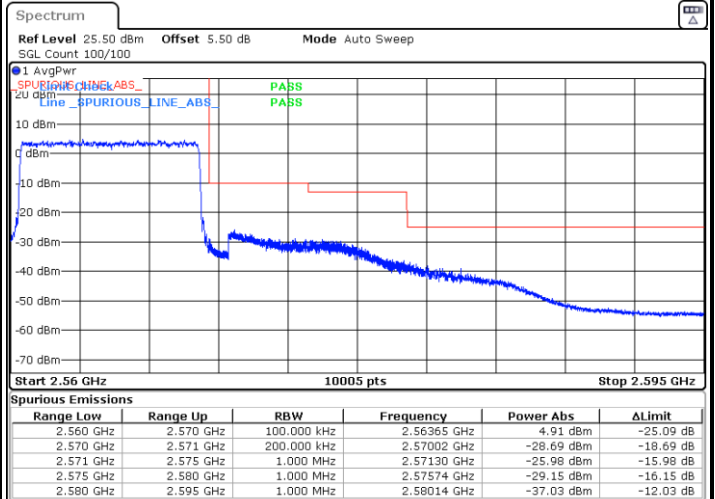
Date: 30 APR 2021 01:17:06

Lowest Band Edge / Full RB



Date: 30 APR 2021 01:13:28

Highest Band Edge / Full RB

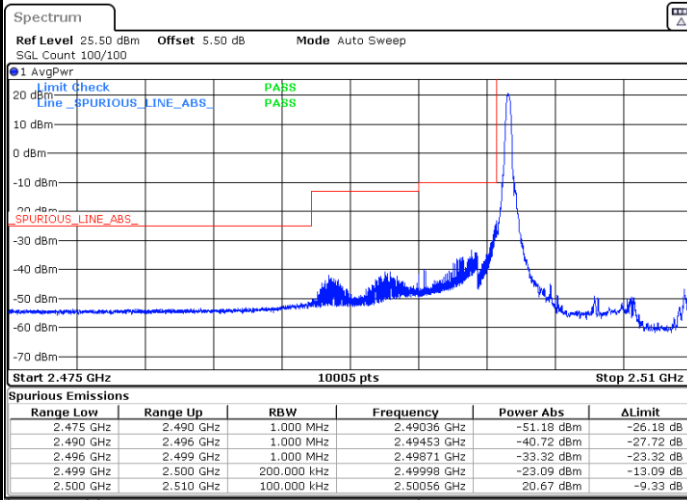


Date: 30 APR 2021 01:15:33



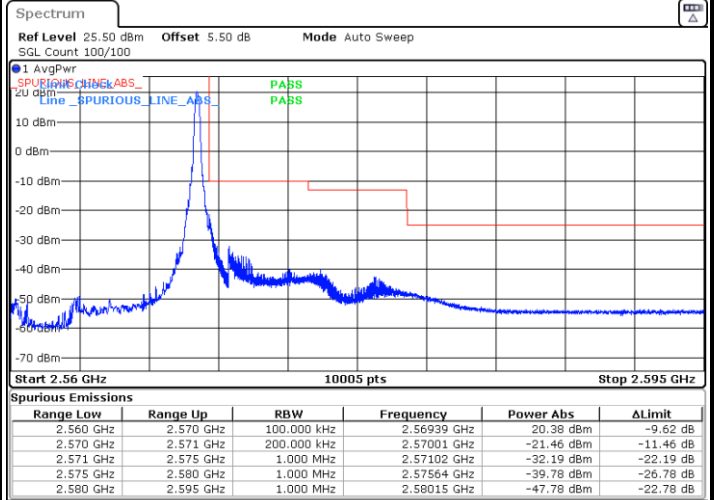
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



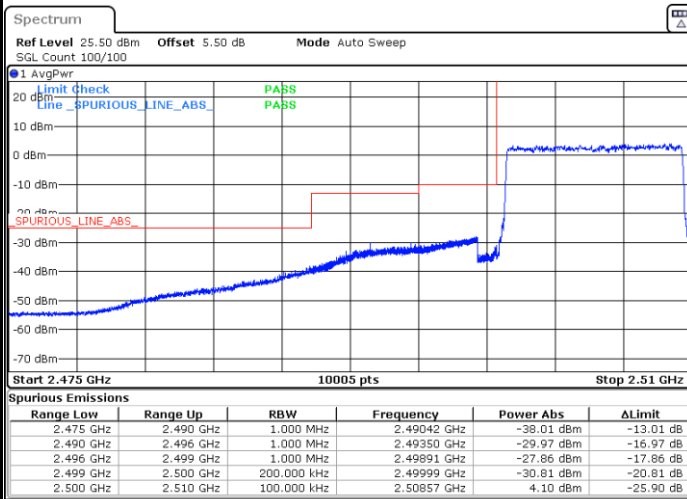
Date: 30 APR 2021 01:12:28

Highest Band Edge / 1 RB



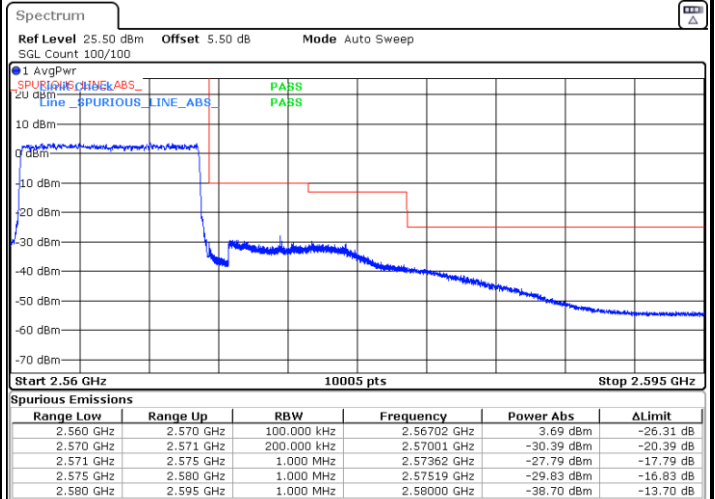
Date: 30 APR 2021 01:17:47

Lowest Band Edge / Full RB



Date: 30 APR 2021 01:13:53

Highest Band Edge / Full RB

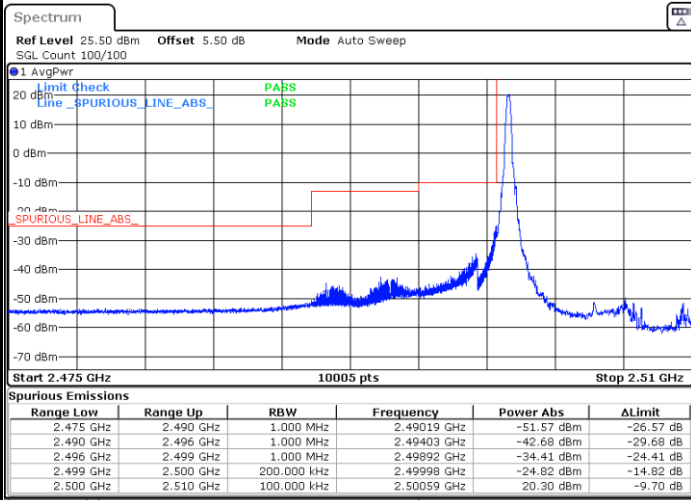


Date: 30 APR 2021 01:16:01



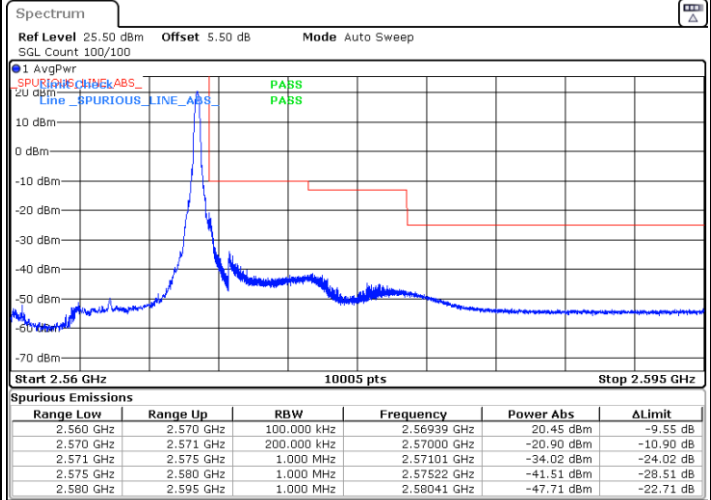
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



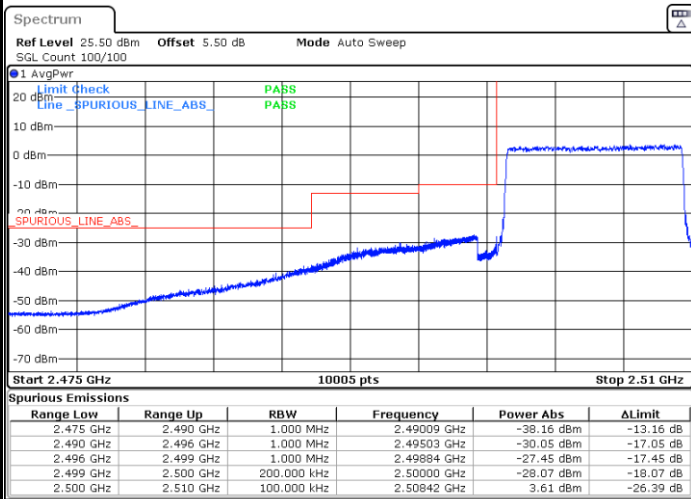
Date: 30 APR 2021 01:13:03

Highest Band Edge / 1 RB



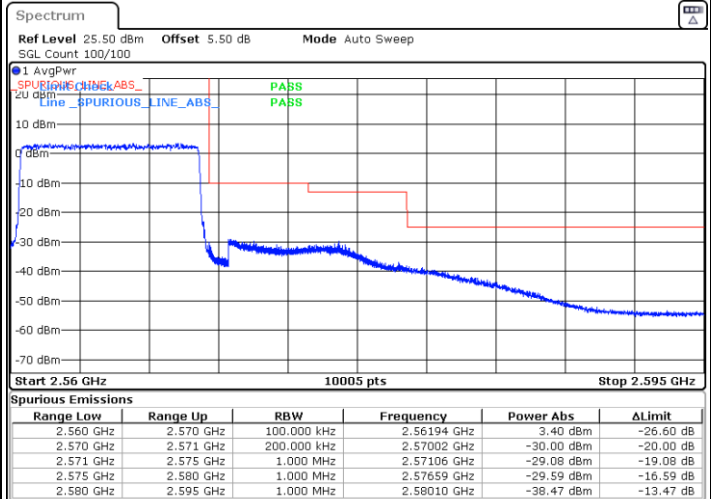
Date: 30 APR 2021 01:18:25

Lowest Band Edge / Full RB



Date: 30 APR 2021 01:14:27

Highest Band Edge / Full RB

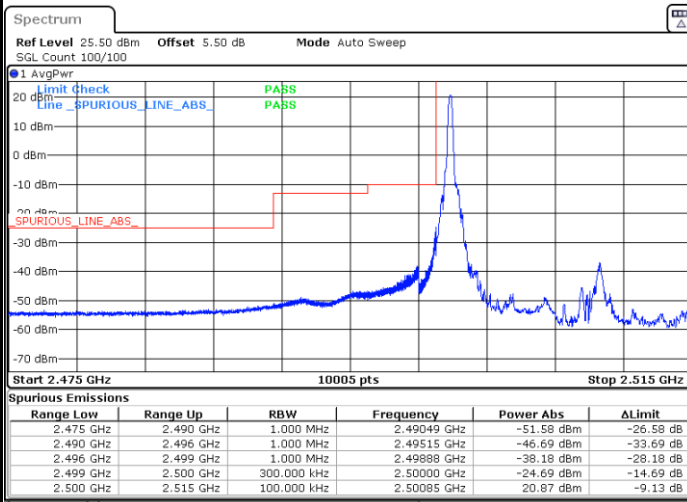


Date: 30 APR 2021 01:16:29



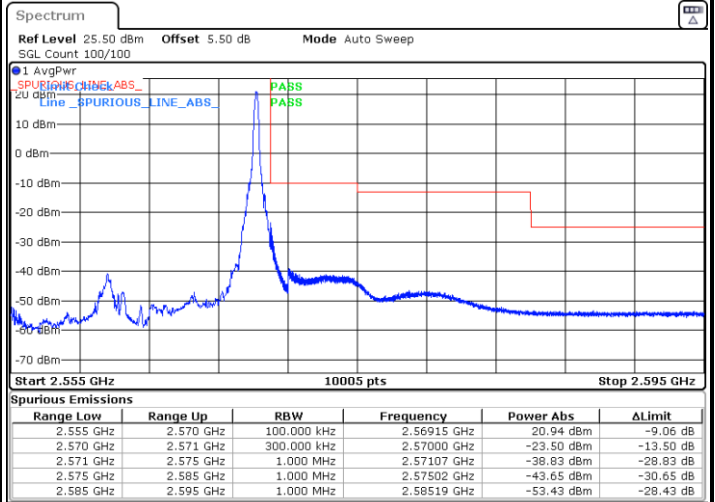
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



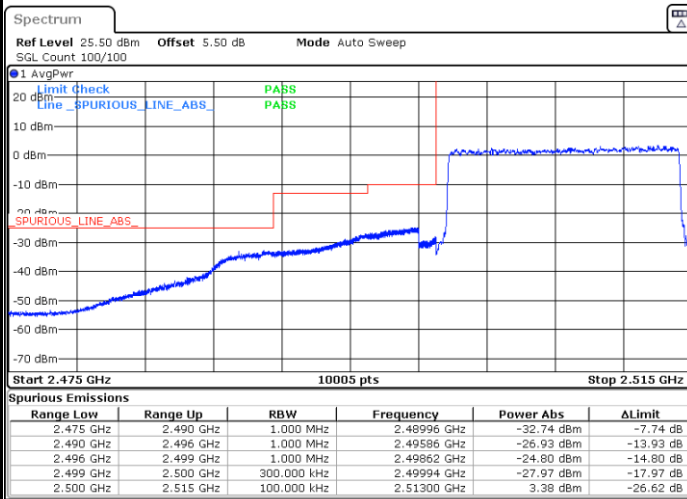
Date: 30 APR 2021 01:19:16

Highest Band Edge / 1 RB



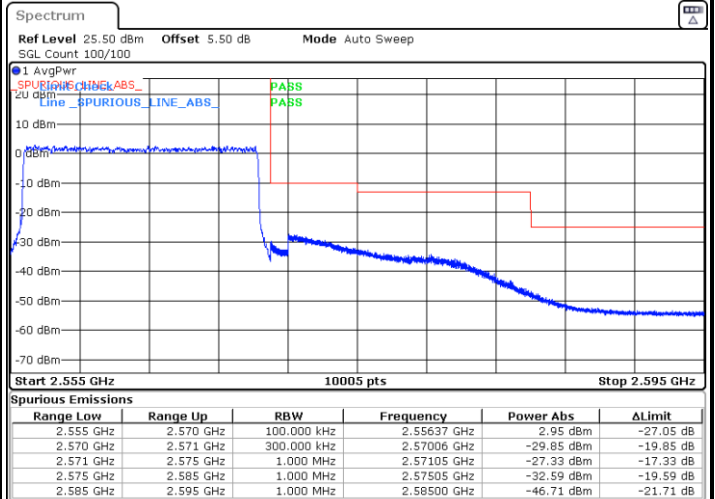
Date: 30 APR 2021 02:00:43

Lowest Band Edge / Full RB



Date: 30 APR 2021 01:20:40

Highest Band Edge / Full RB

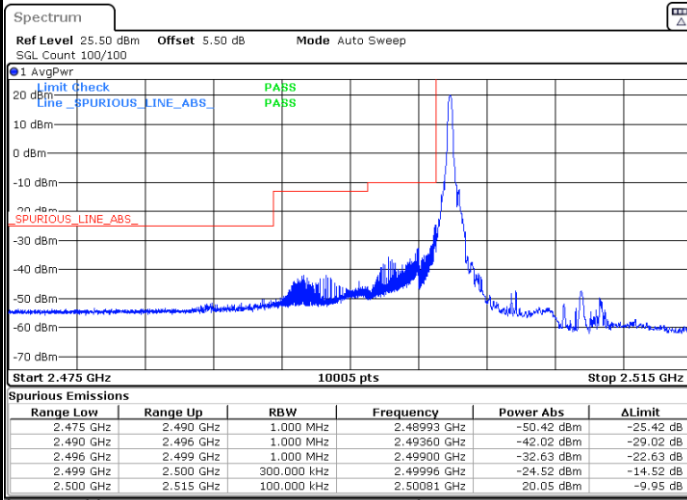


Date: 30 APR 2021 01:58:34



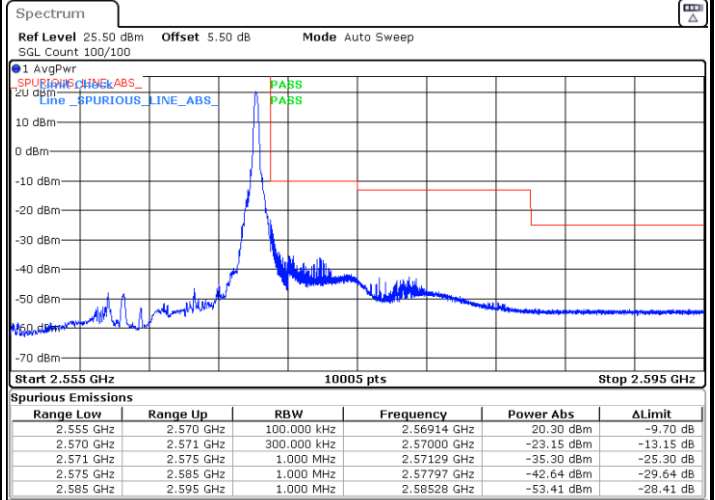
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



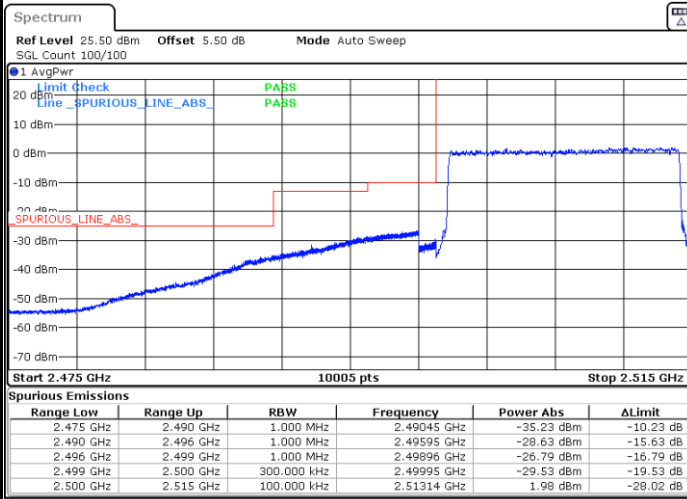
Date: 30 APR 2021 01:19:59

Highest Band Edge / 1 RB



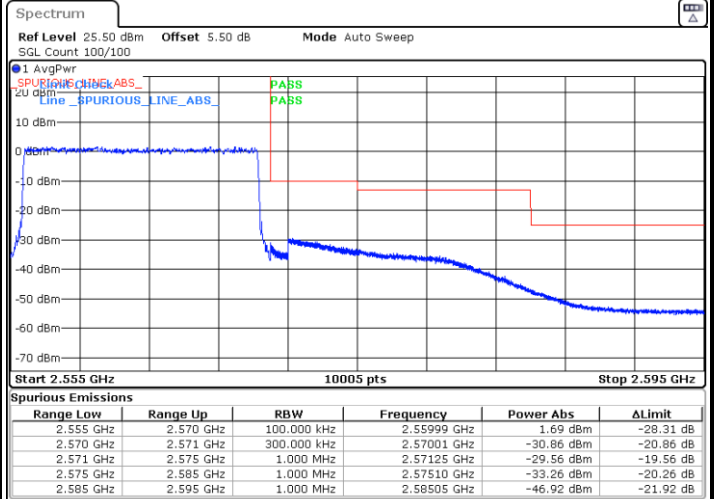
Date: 30 APR 2021 02:01:26

Lowest Band Edge / Full RB



Date: 30 APR 2021 01:56:59

Highest Band Edge / Full RB

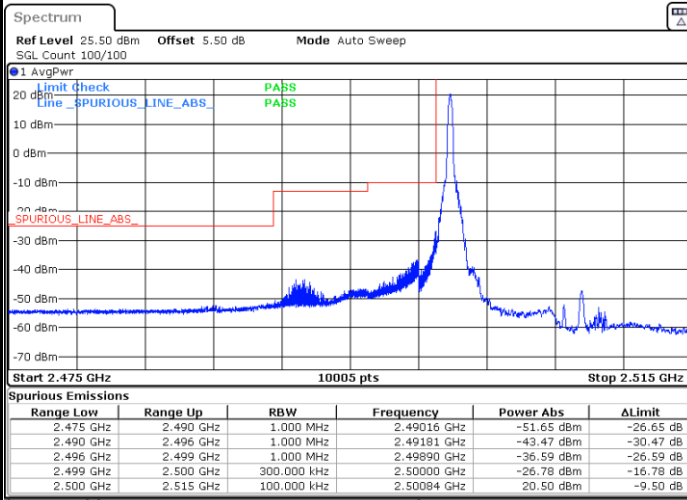


Date: 30 APR 2021 01:59:36



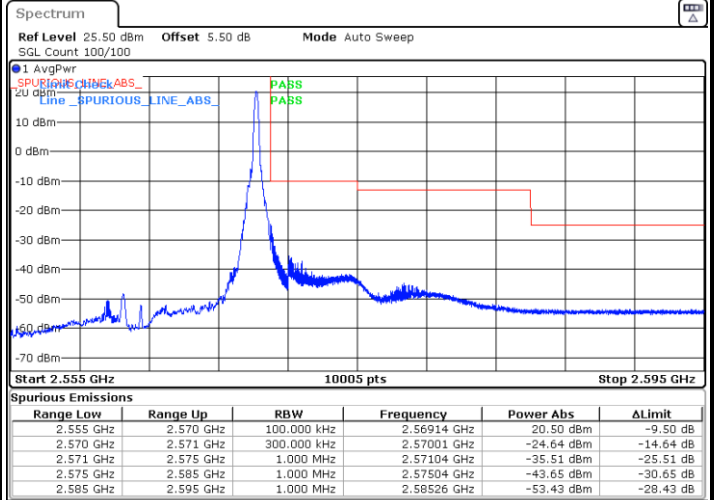
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



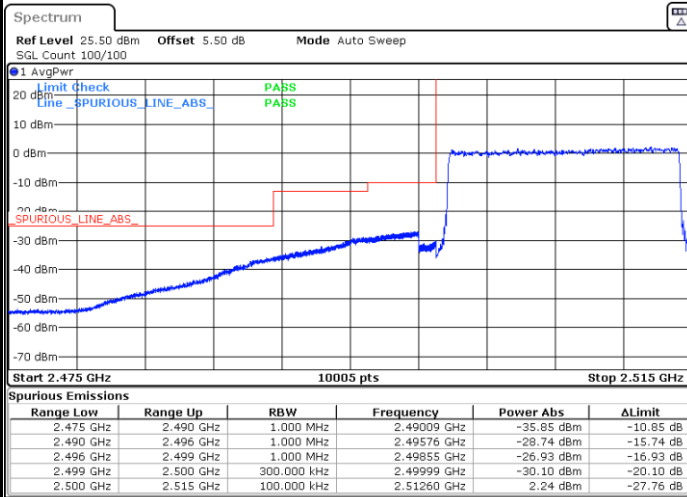
Date: 30 APR 2021 01:20:20

Highest Band Edge / 1 RB



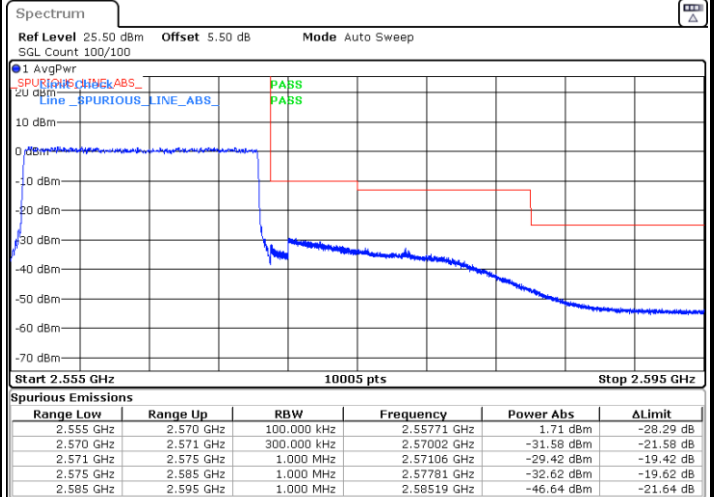
Date: 30 APR 2021 02:02:17

Lowest Band Edge / Full RB



Date: 30 APR 2021 01:58:06

Highest Band Edge / Full RB

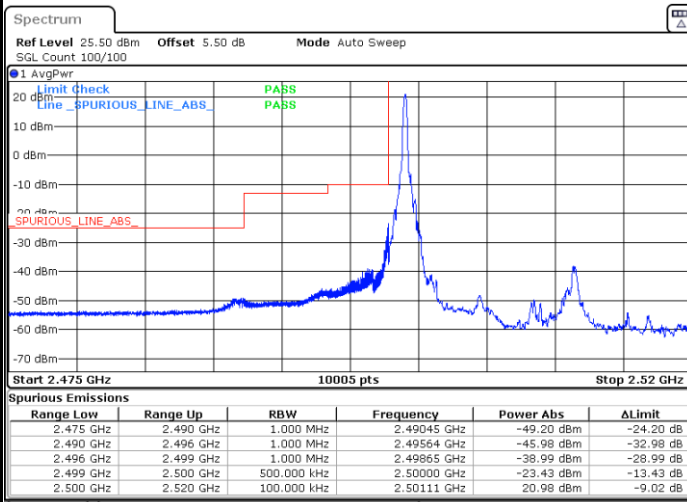


Date: 30 APR 2021 02:00:10



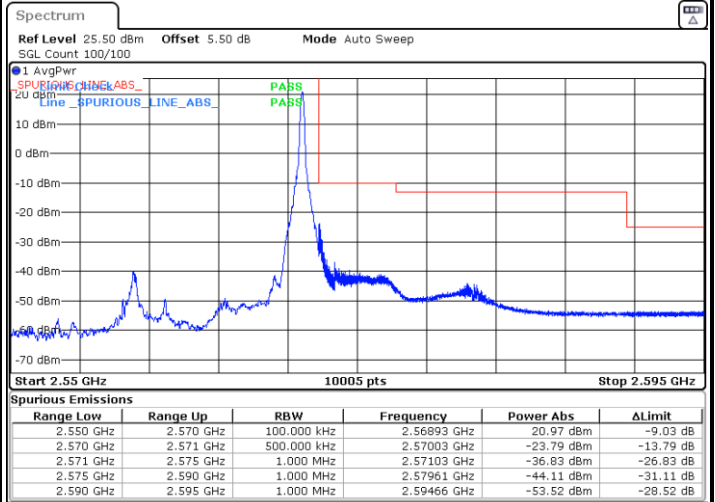
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



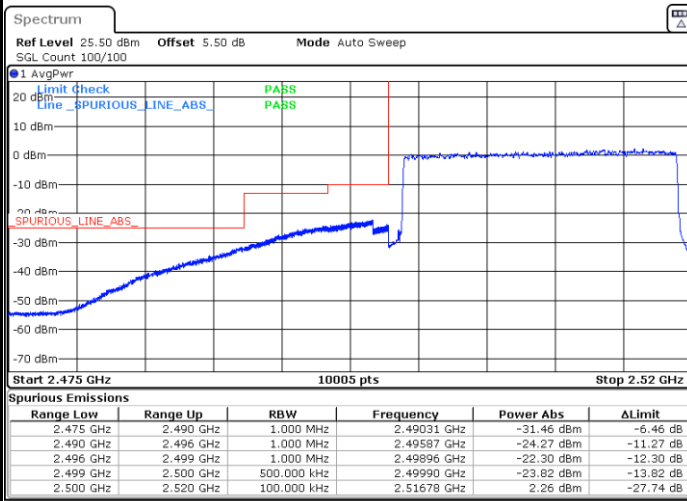
Date: 30 APR 2021 02:03:13

Highest Band Edge / 1 RB



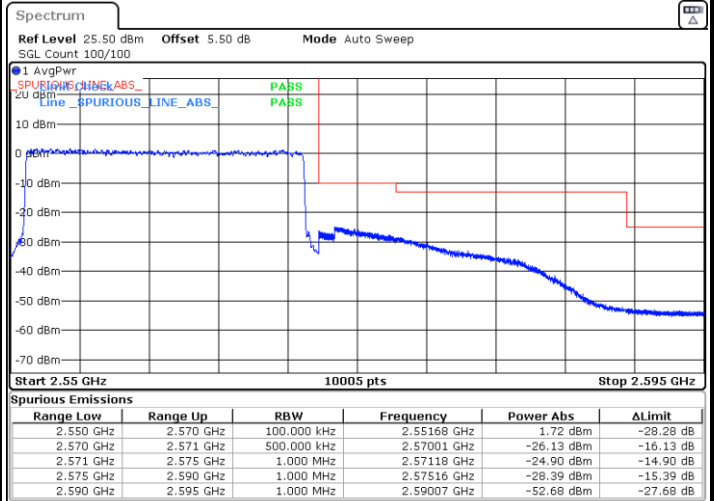
Date: 30 APR 2021 02:10:18

Lowest Band Edge / Full RB



Date: 30 APR 2021 02:07:59

Highest Band Edge / Full RB

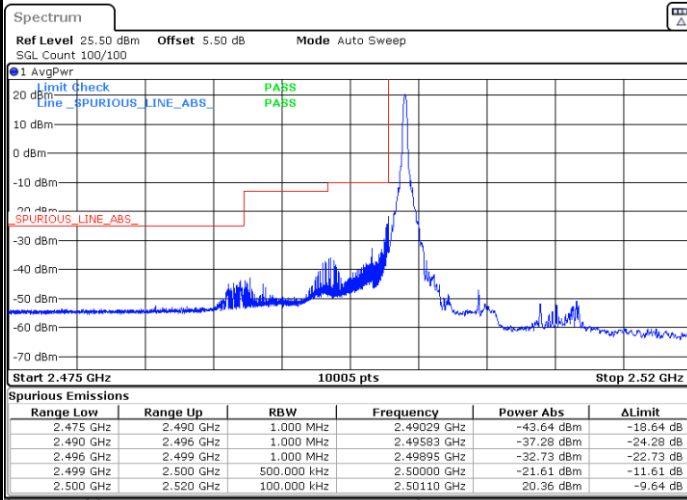


Date: 30 APR 2021 02:13:31



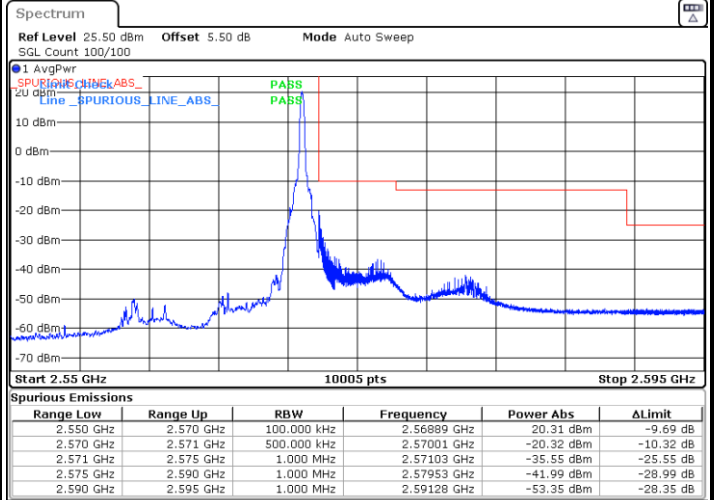
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



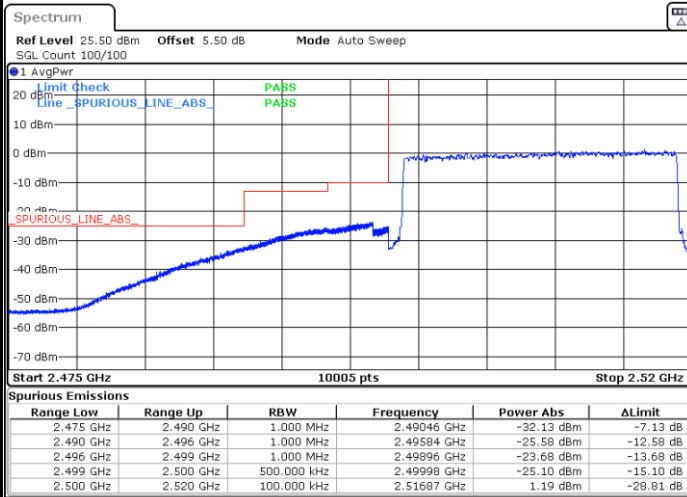
Date: 30 APR 2021 02:03:51

Highest Band Edge / 1 RB



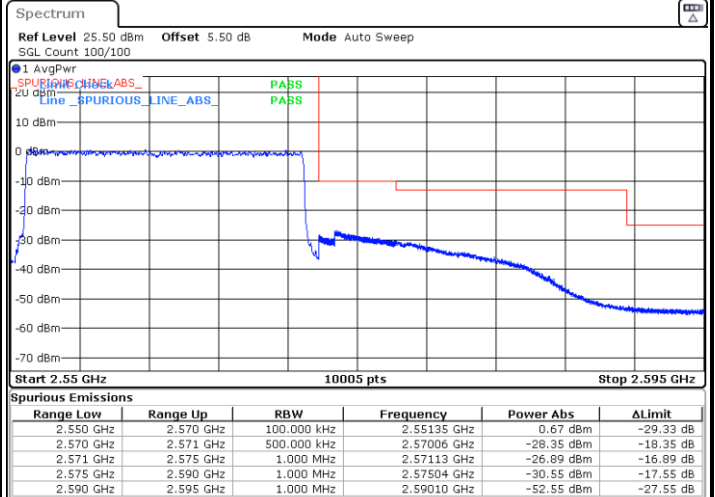
Date: 30 APR 2021 02:10:45

Lowest Band Edge / Full RB



Date: 30 APR 2021 02:08:43

Highest Band Edge / Full RB

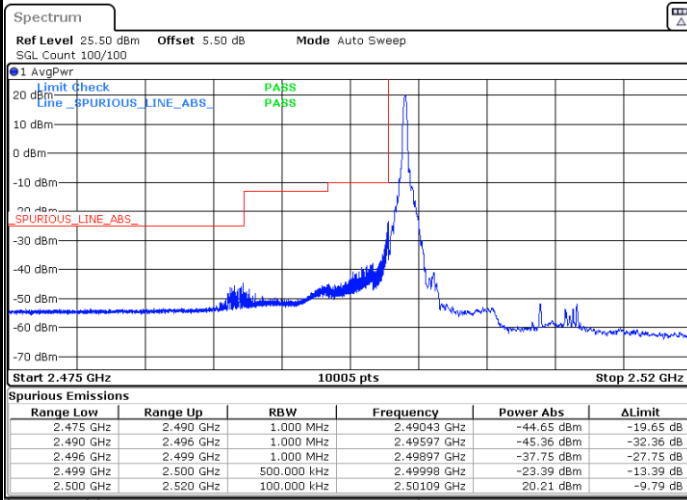


Date: 30 APR 2021 02:14:02



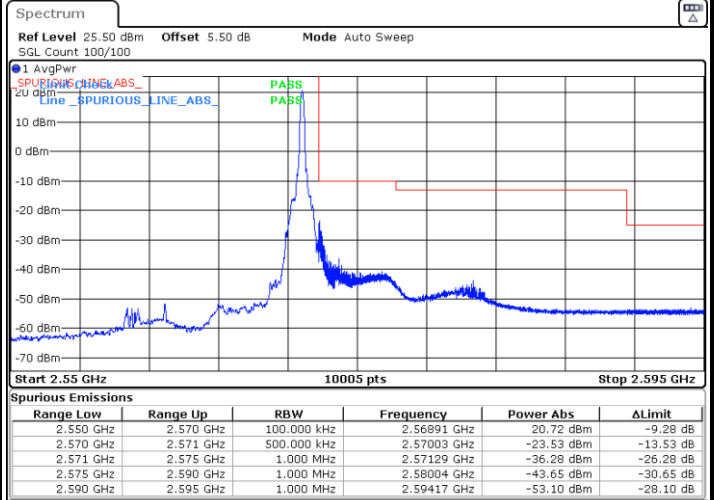
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



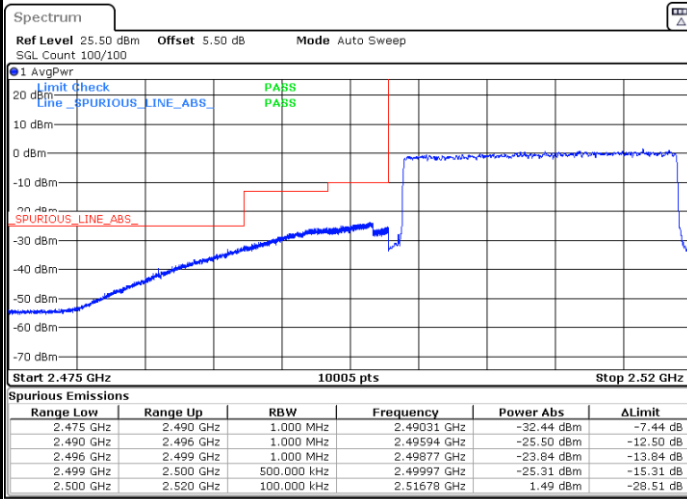
Date: 30 APR 2021 02:07:16

Highest Band Edge / 1 RB



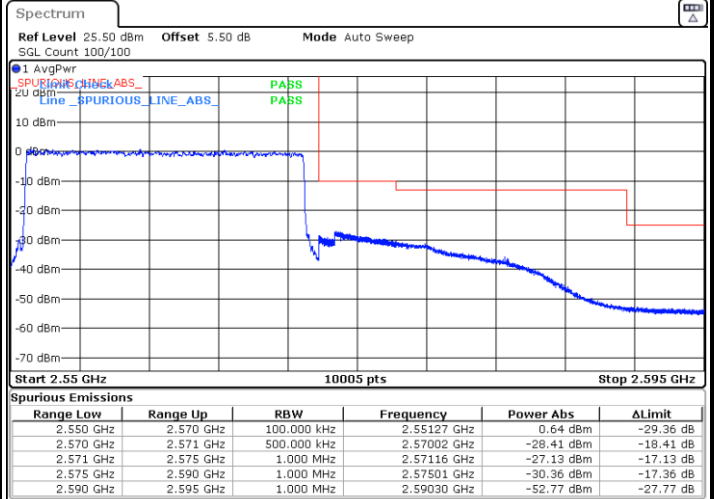
Date: 30 APR 2021 02:11:49

Lowest Band Edge / Full RB



Date: 30 APR 2021 02:09:09

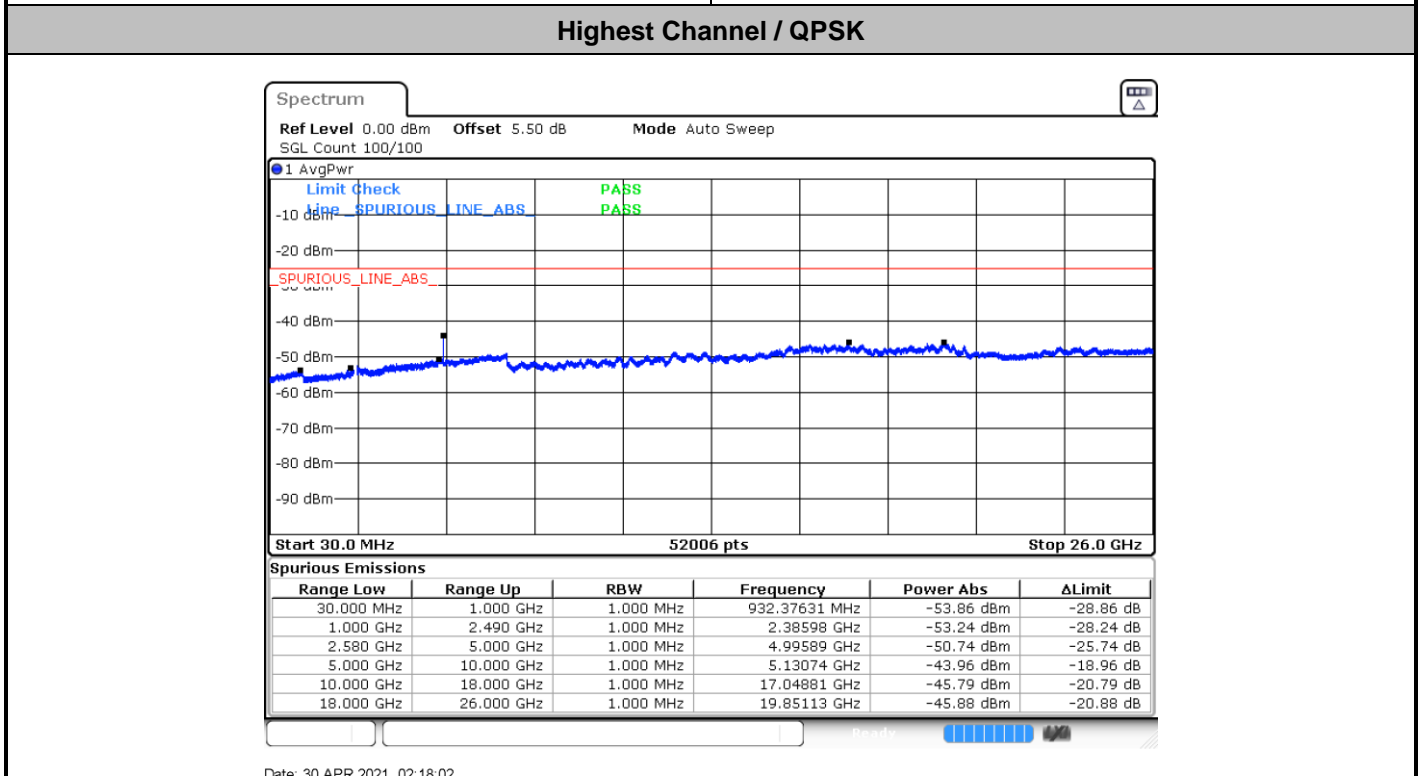
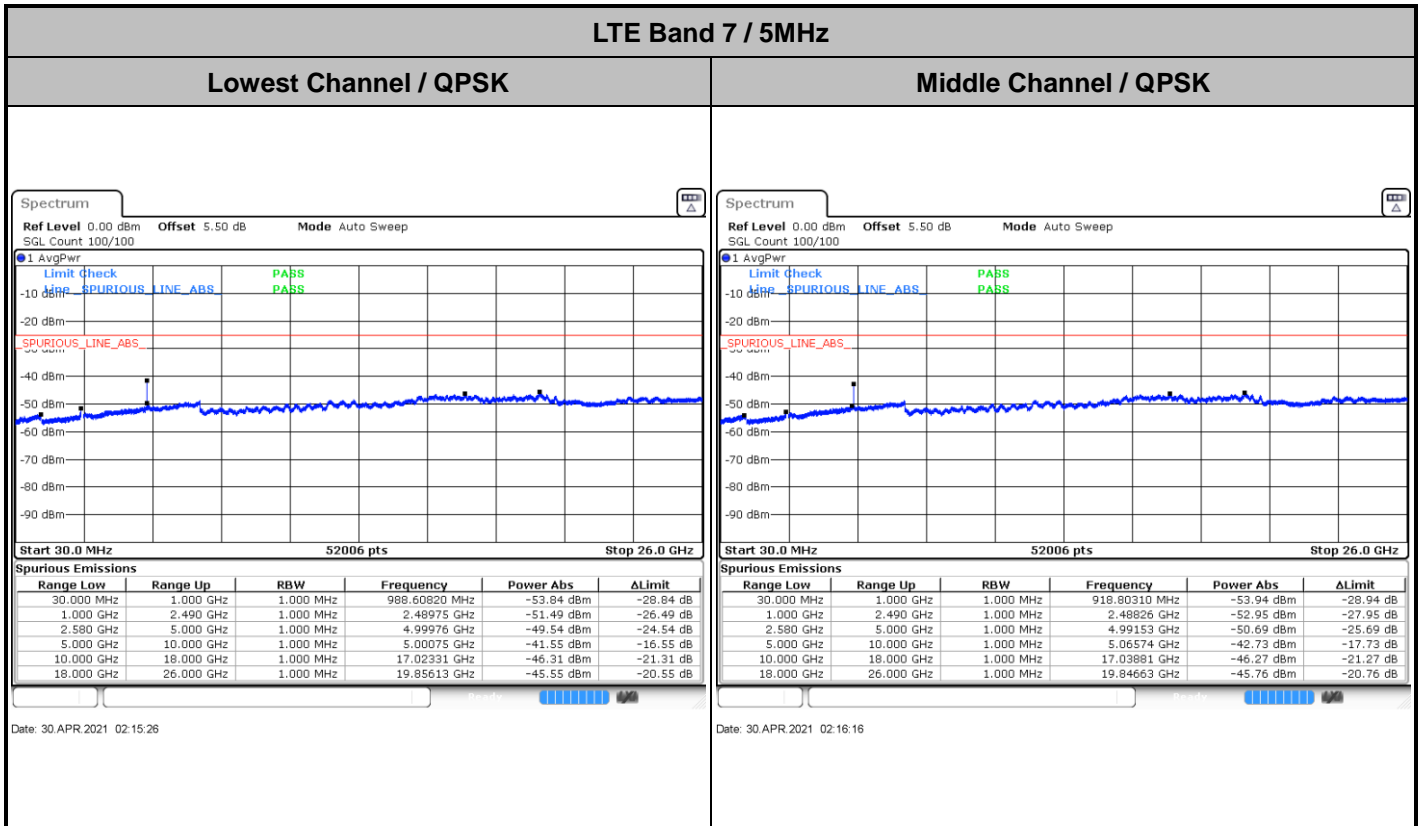
Highest Band Edge / Full RB



Date: 30 APR 2021 02:14:27



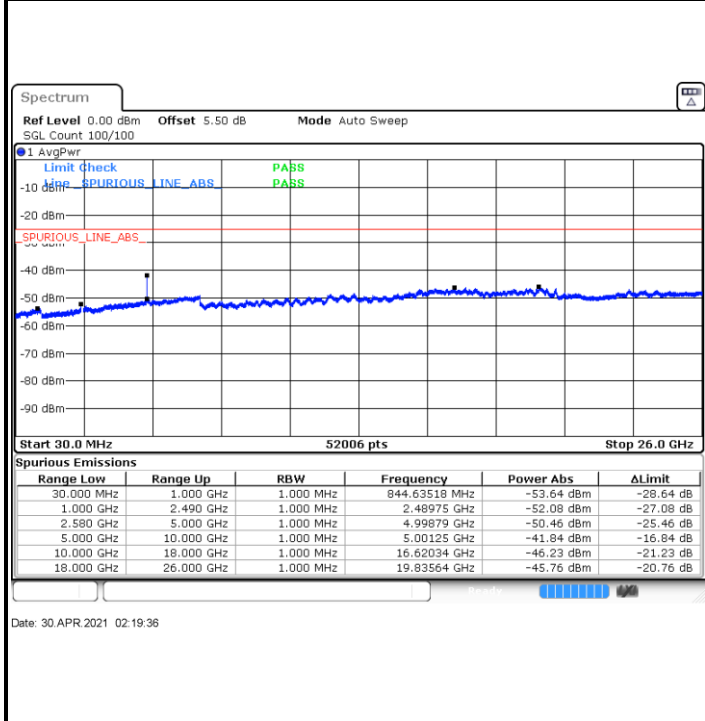
Conducted Spurious Emission



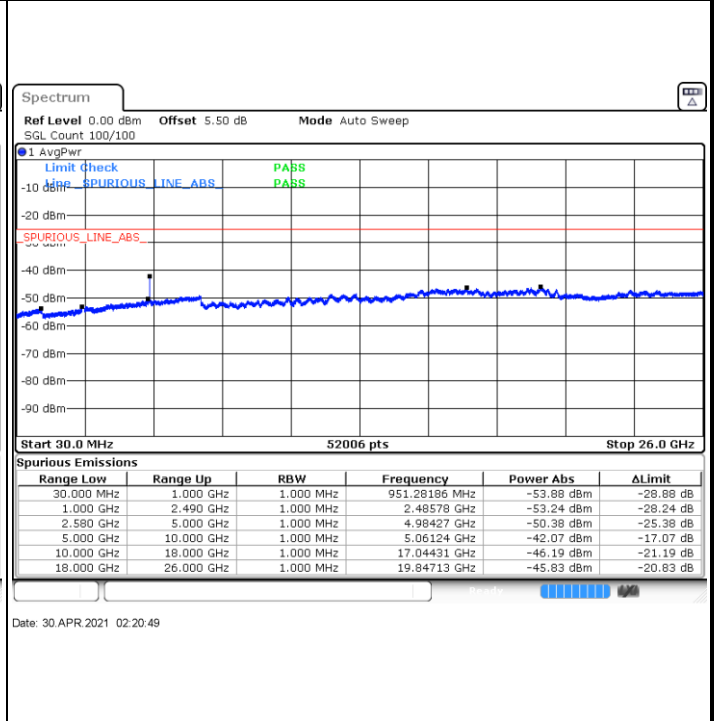


LTE Band 7 / 10MHz

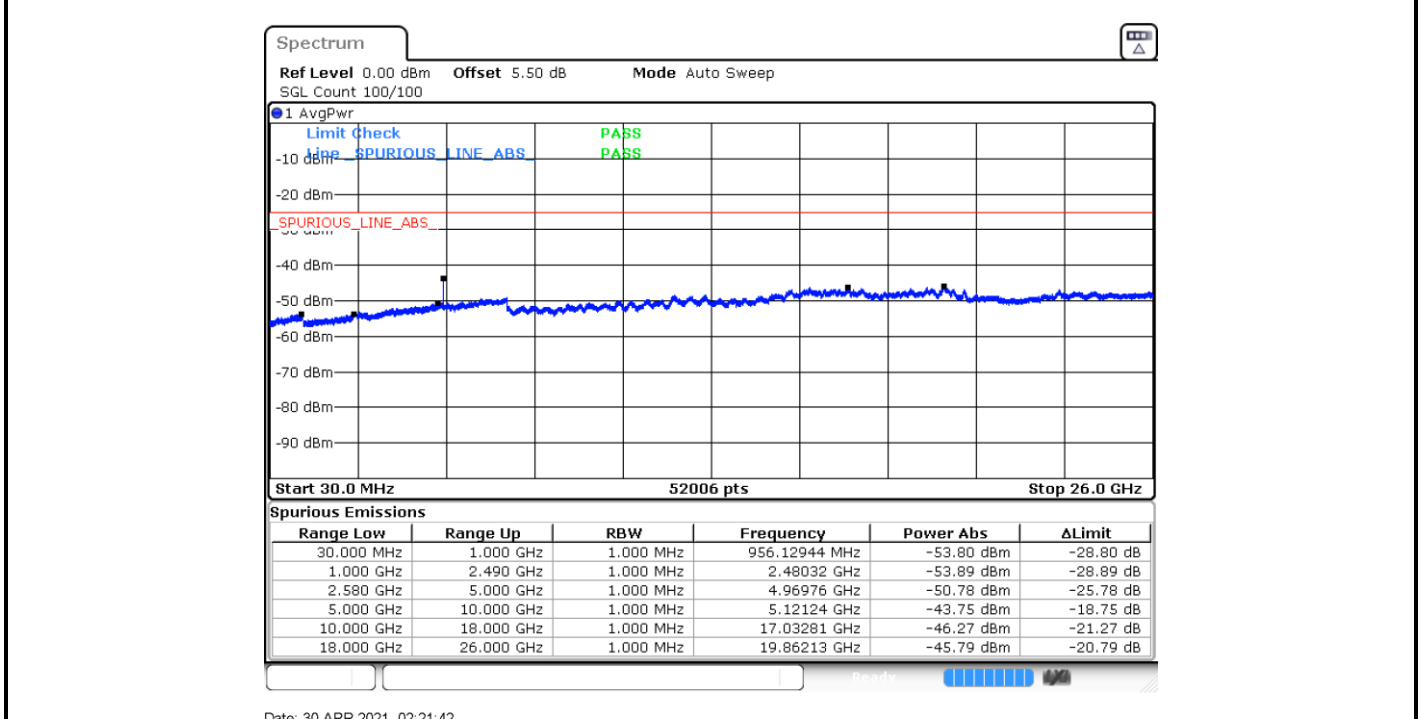
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

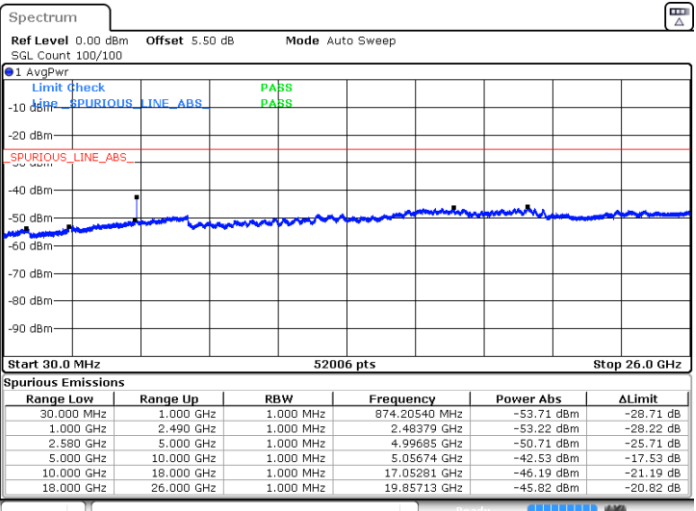
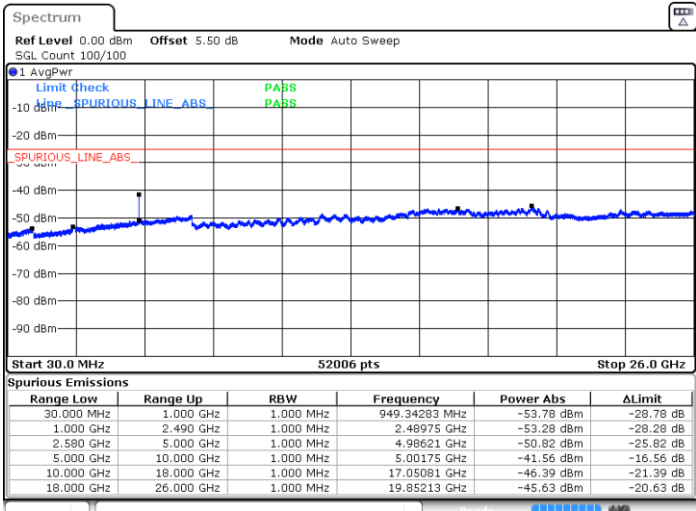




LTE Band 7 / 15MHz

Lowest Channel / QPSK

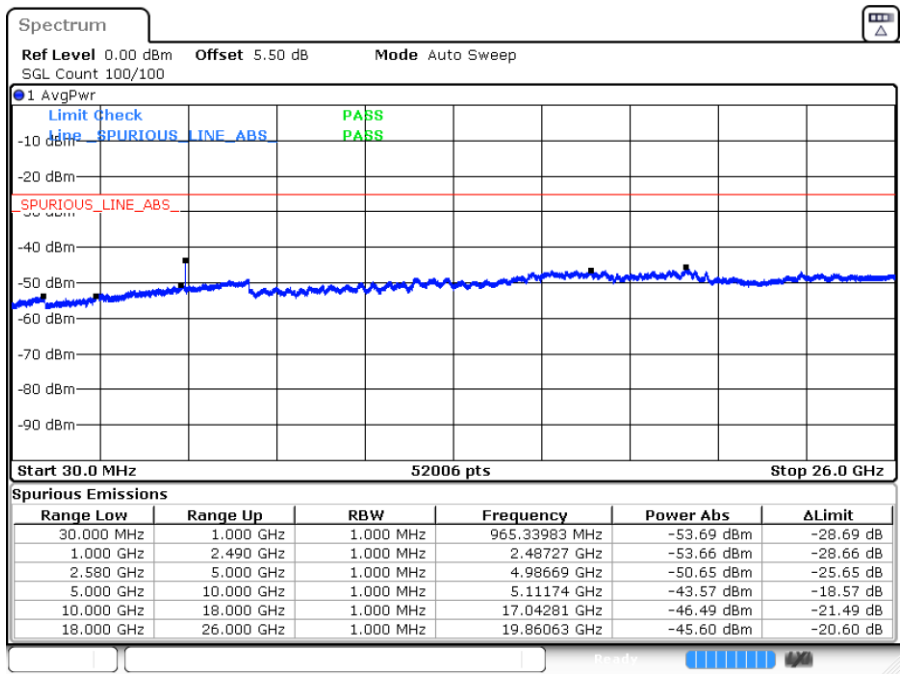
Middle Channel / QPSK



Date: 30 APR 2021 02:23:01

Date: 30 APR 2021 02:23:59

Highest Channel / QPSK



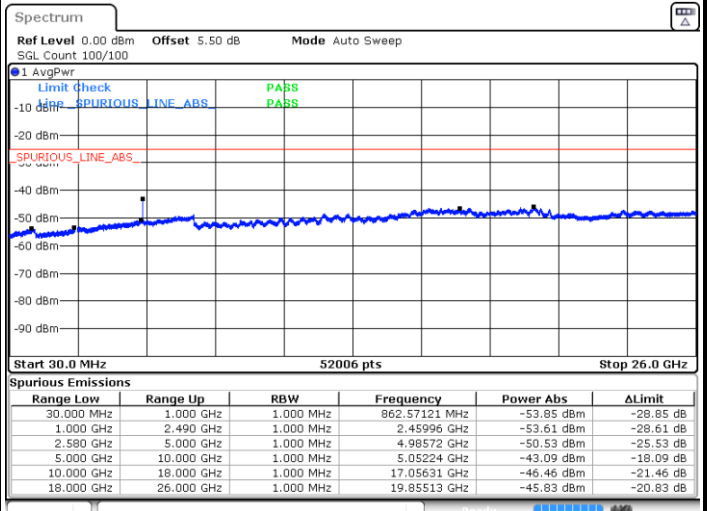
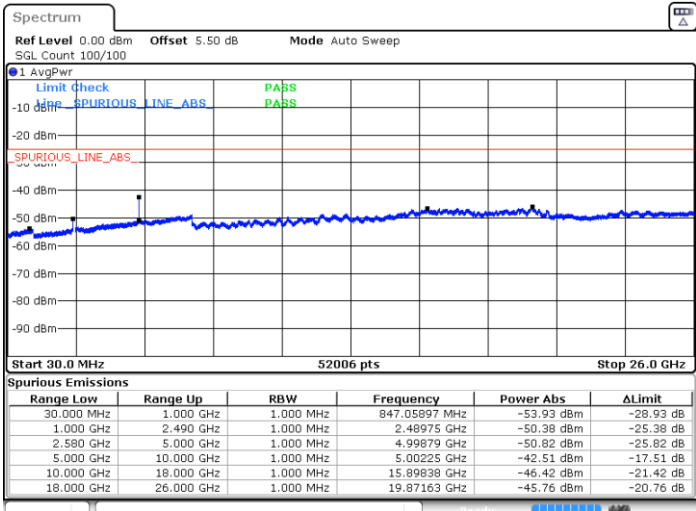
Date: 30 APR 2021 02:24:52



LTE Band 7 / 20MHz

Lowest Channel / QPSK

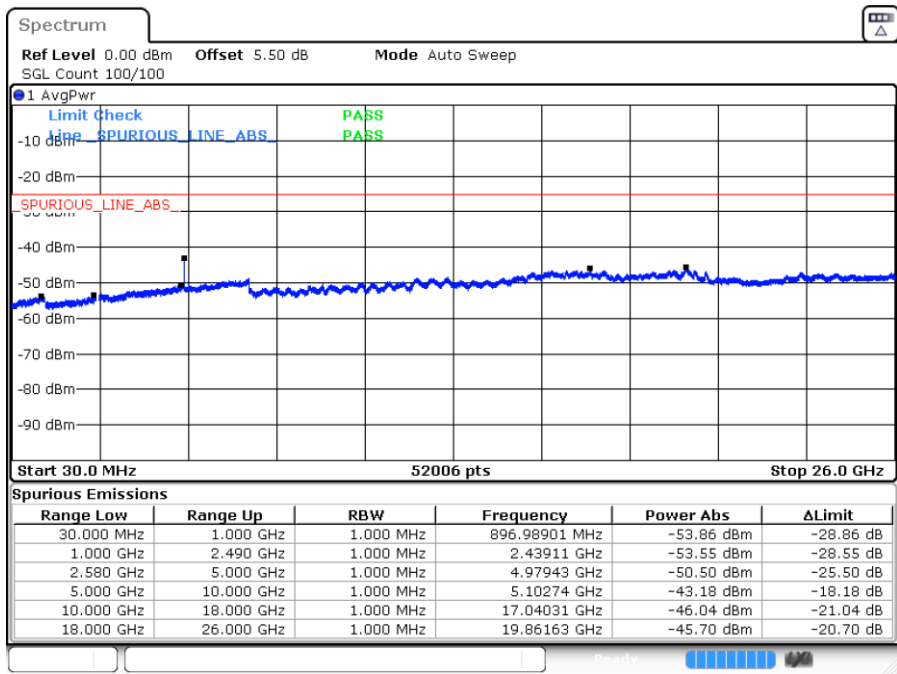
Middle Channel / QPSK



Date: 30 APR 2021 02:27:59

Date: 30 APR 2021 02:28:56

Highest Channel / QPSK



Date: 30 APR 2021 02:28:56



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0044	

Note:

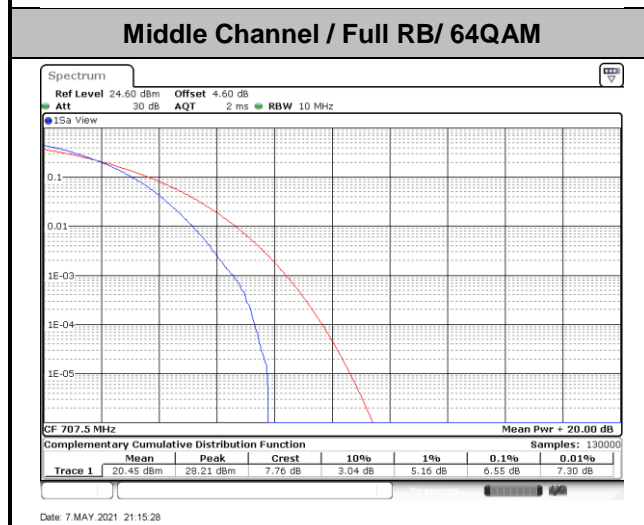
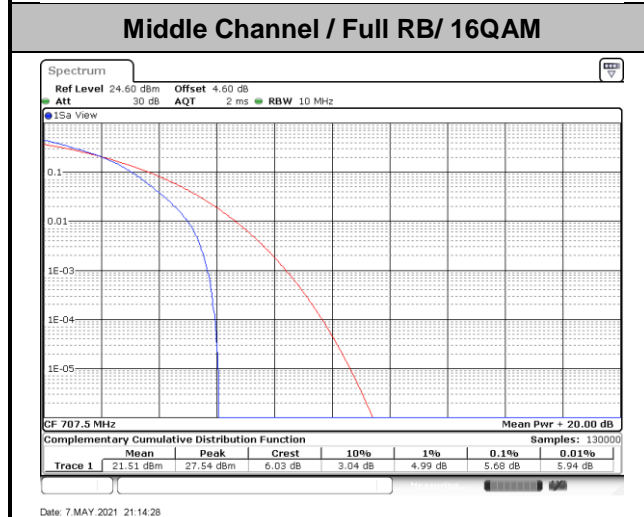
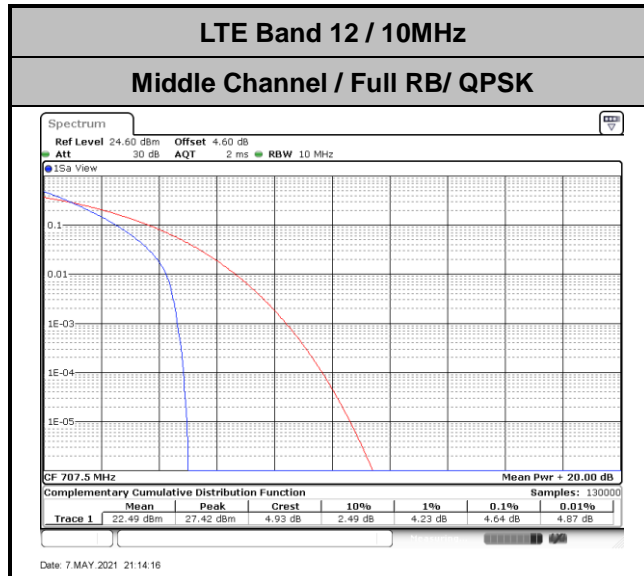
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 12

Peak-to-Average Ratio

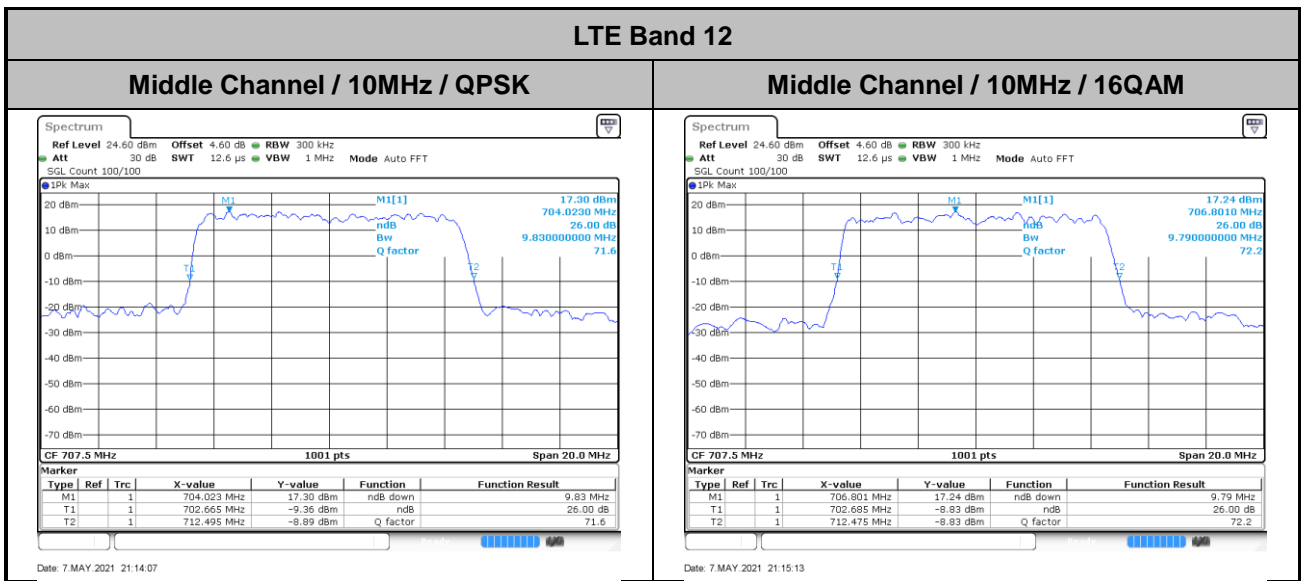
Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.64	5.68	6.55	PASS





26dB Bandwidth

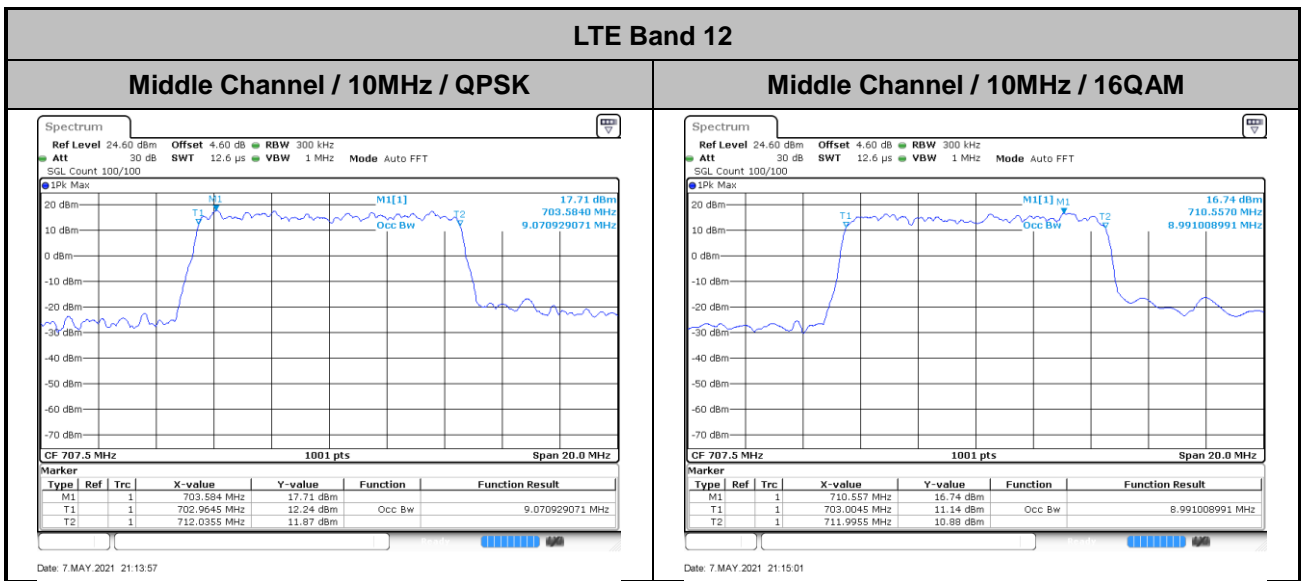
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.83	9.79





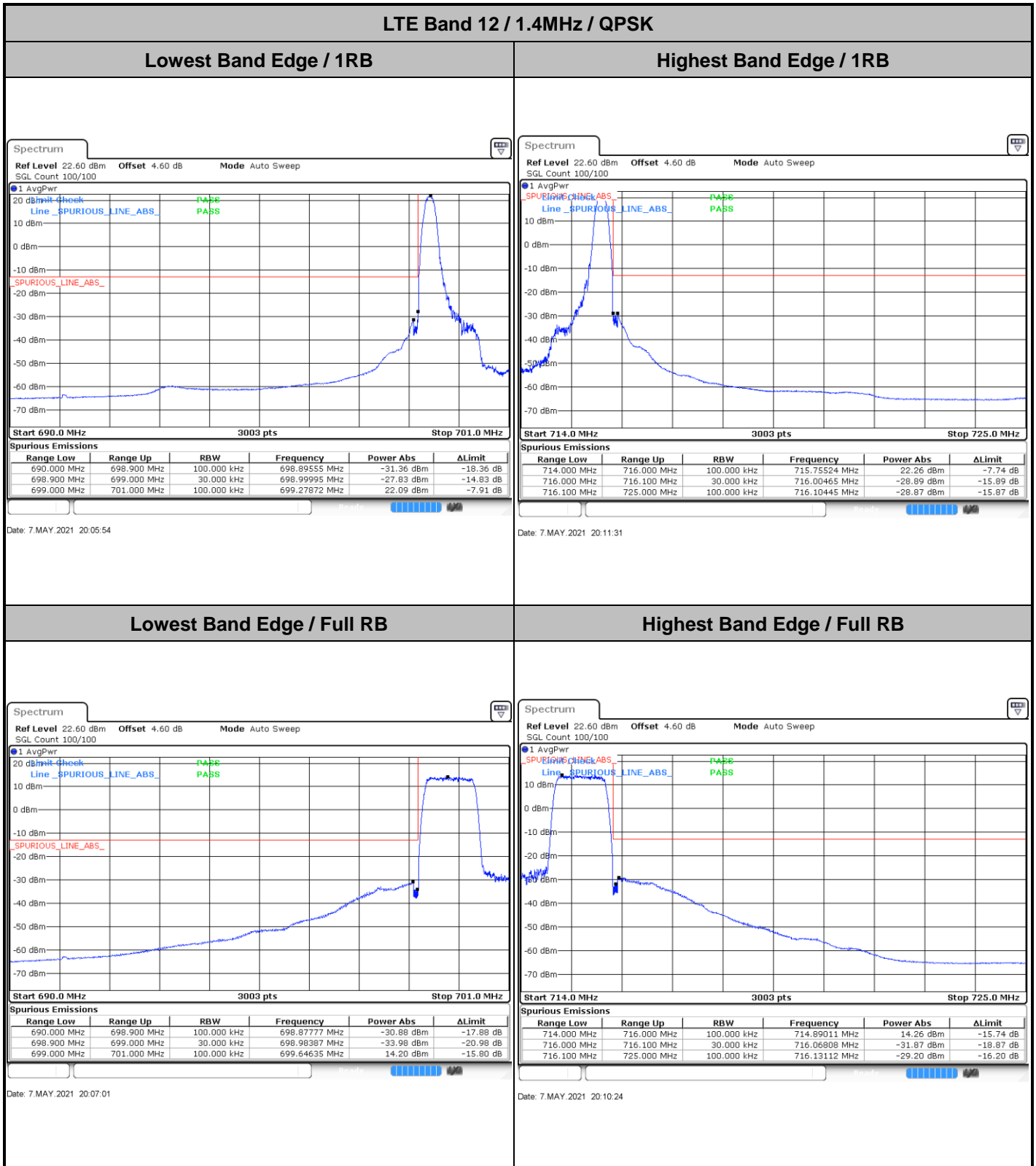
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	8.99





Conducted Band Edge





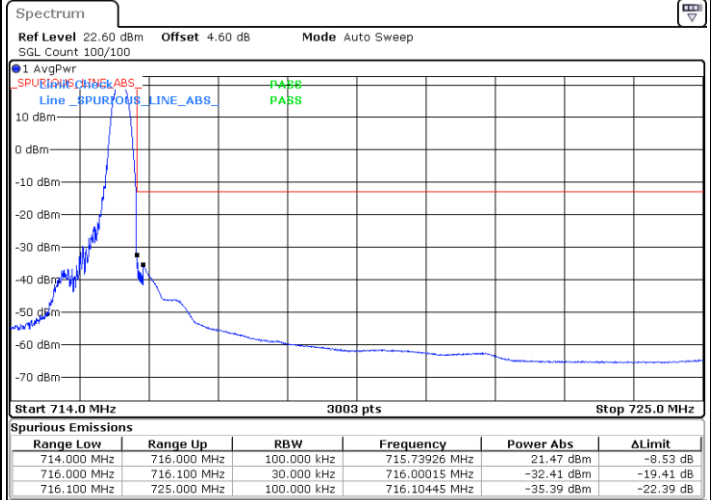
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



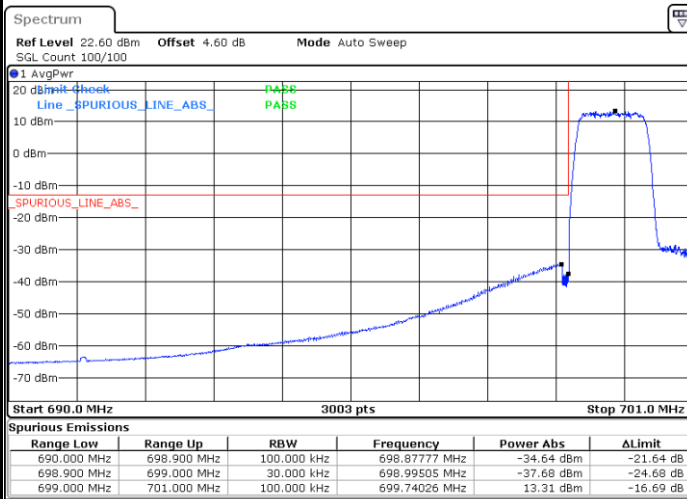
Date: 7.MAY.2021 20:04:46

Highest Band Edge / 1 RB



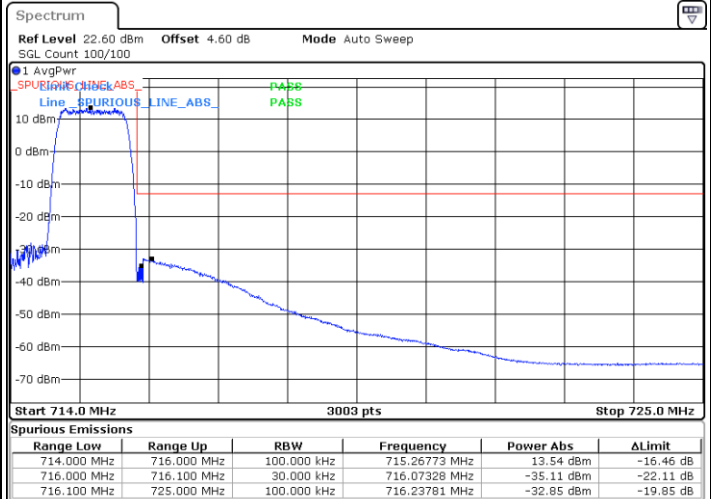
Date: 7.MAY.2021 20:12:39

Lowest Band Edge / Full RB



Date: 7.MAY.2021 20:08:09

Highest Band Edge / Full RB



Date: 7.MAY.2021 20:09:16