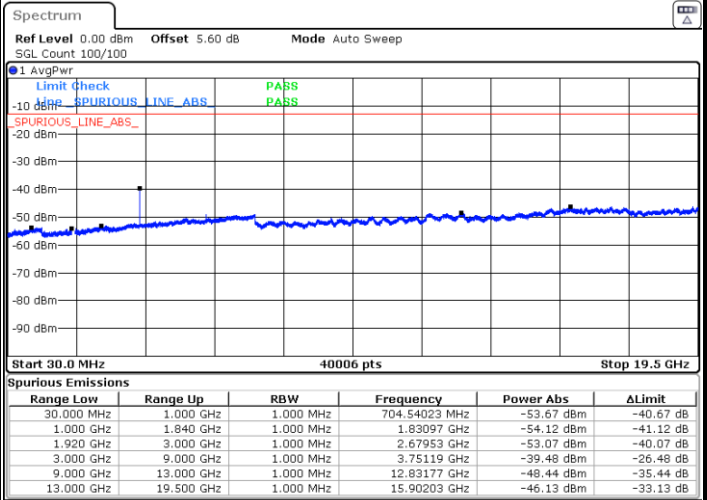
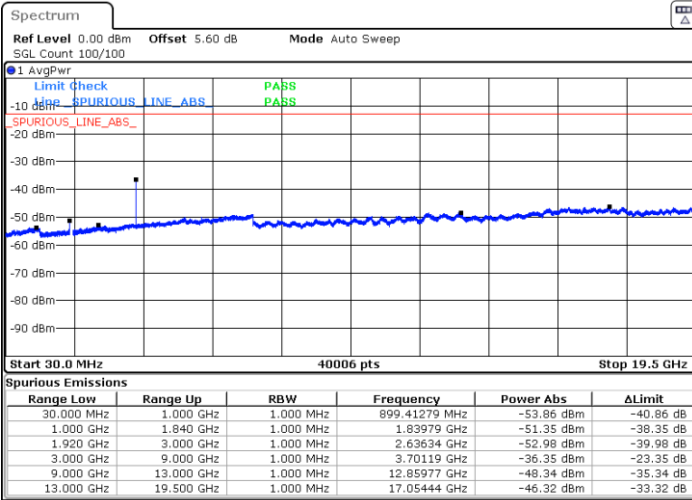




LTE Band 2 / 10MHz

Lowest Channel / QPSK

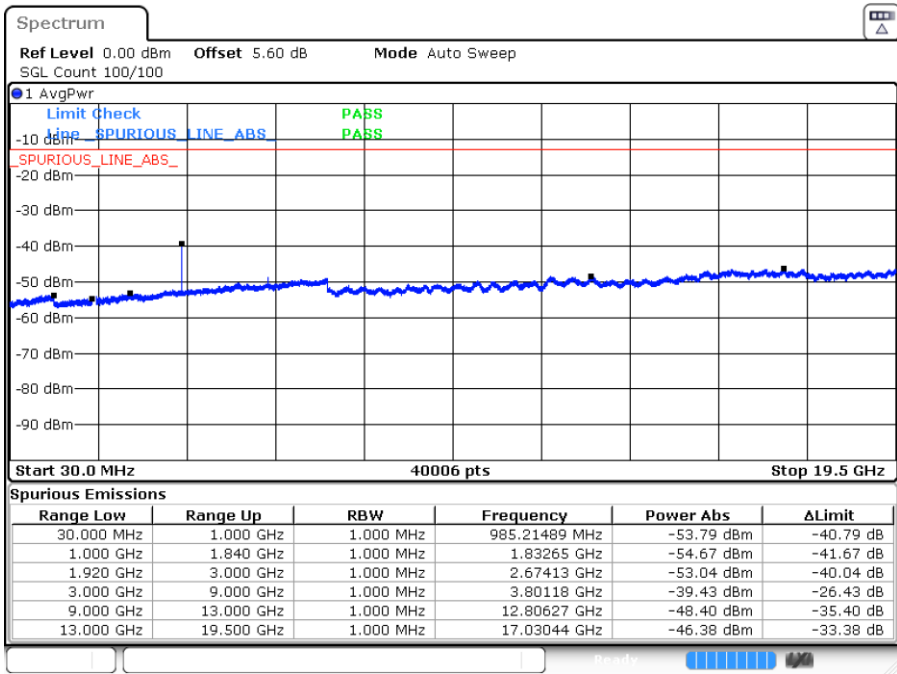
Middle Channel / QPSK



Date: 9 MAY 2021 00:22:20

Date: 9 MAY 2021 00:21:37

Highest Channel / QPSK



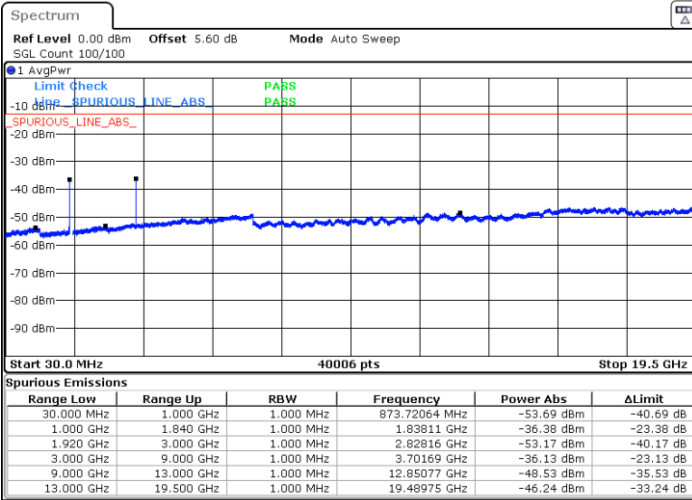
Date: 9 MAY 2021 00:26:00



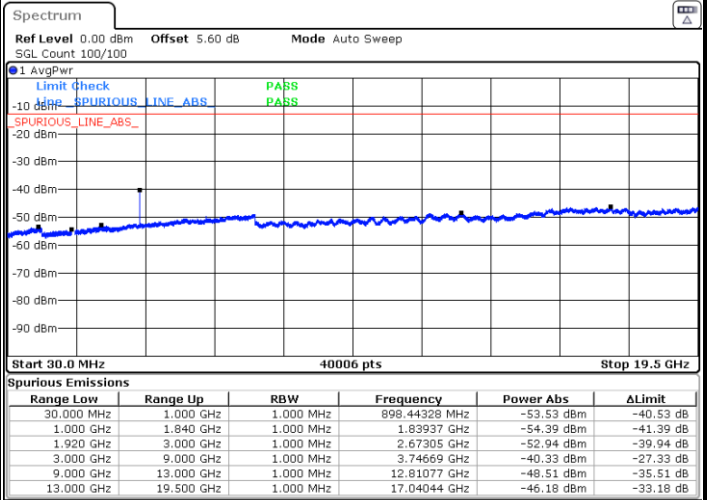
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

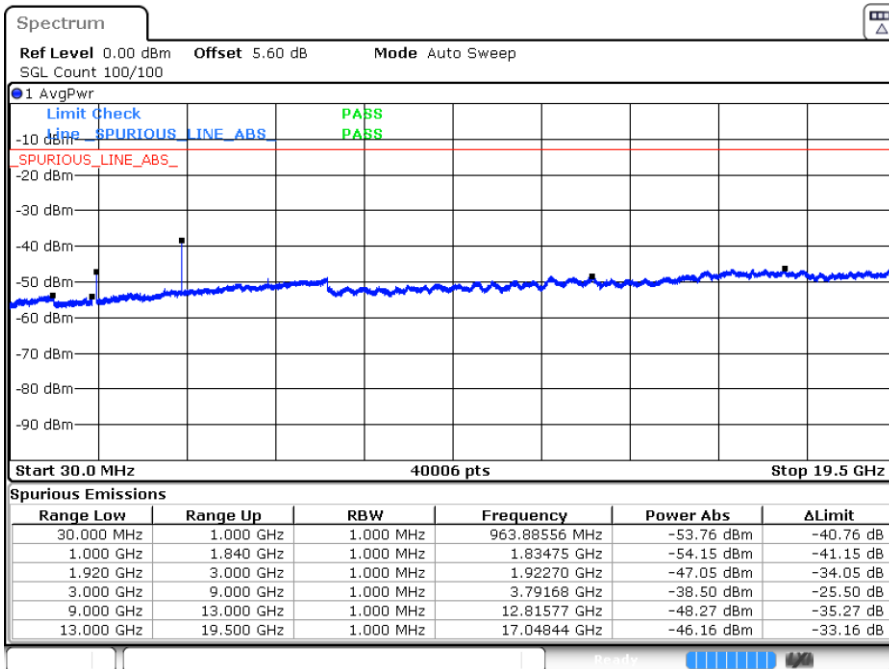


Date: 9 MAY 2021 00:17:10



Date: 9 MAY 2021 00:16:27

Highest Channel / QPSK

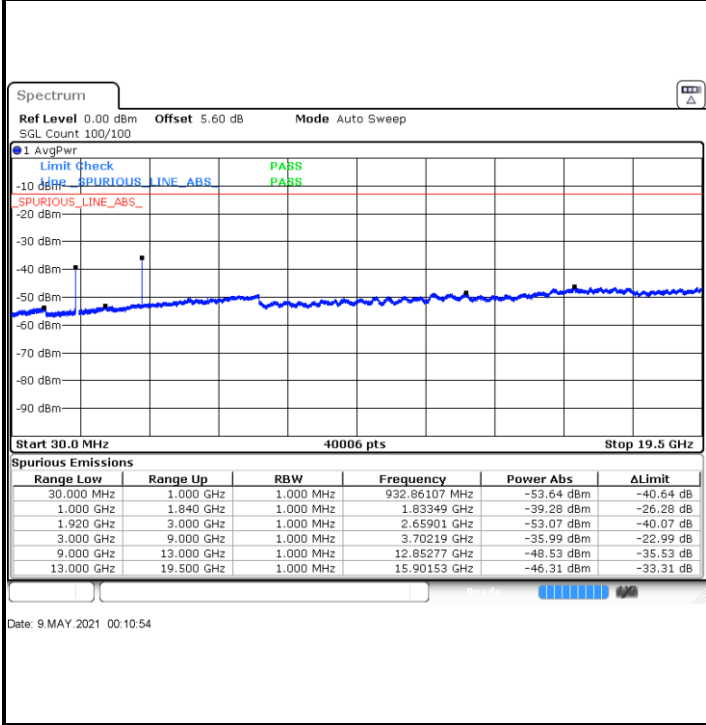


Date: 9 MAY 2021 00:20:34

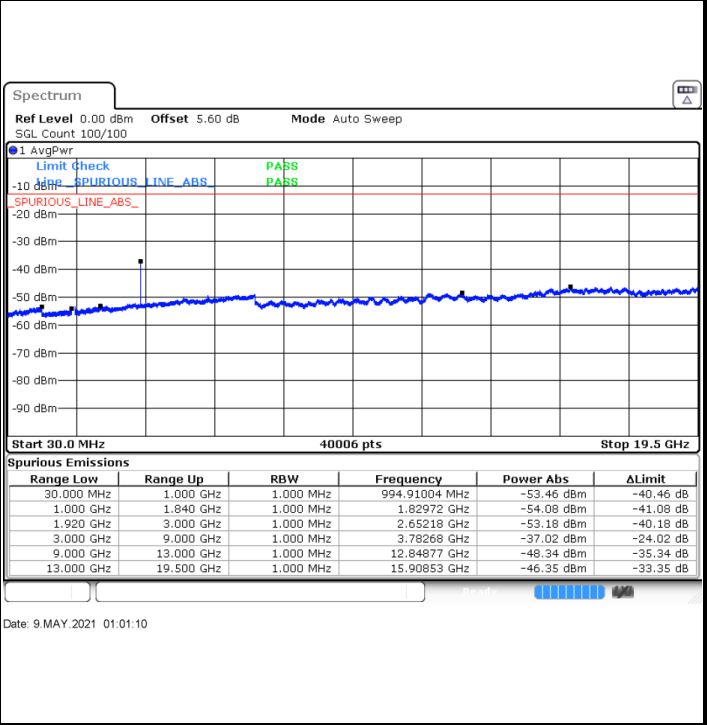


LTE Band 2 / 20MHz

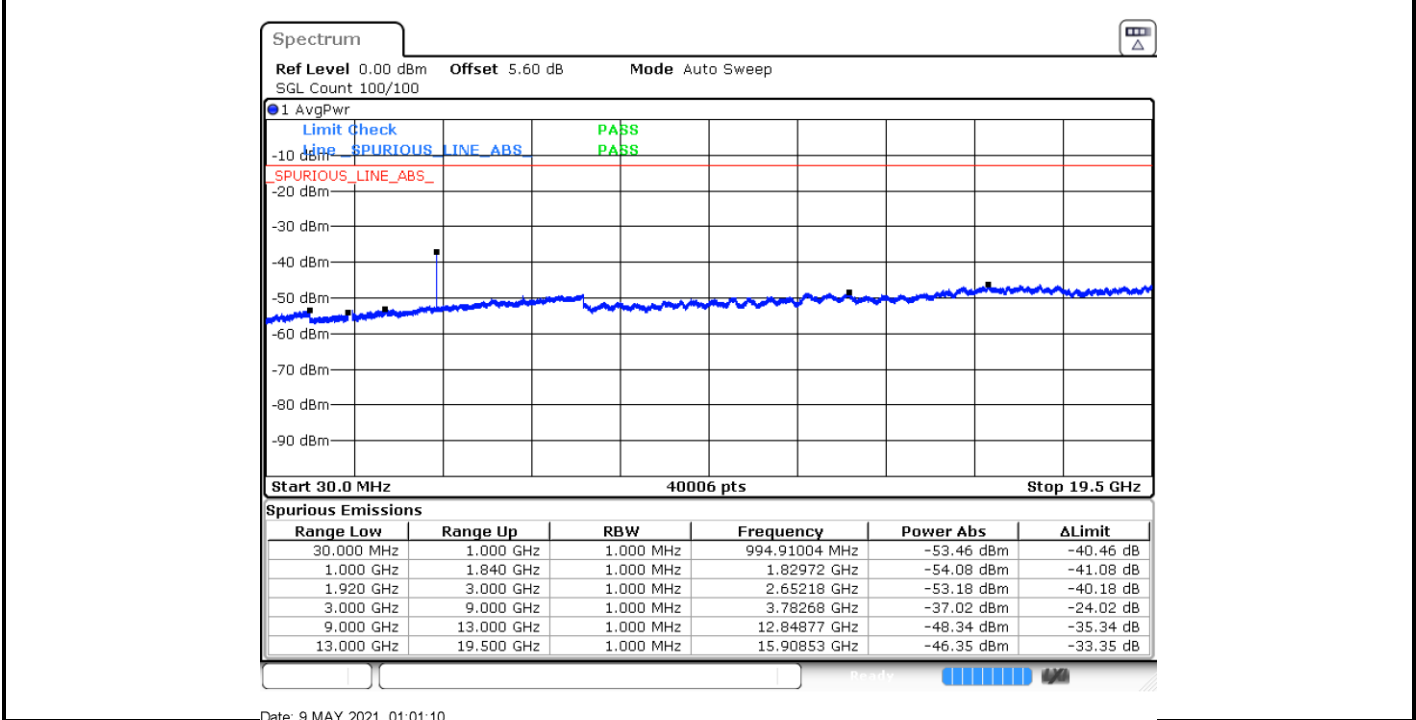
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0003	

Note:

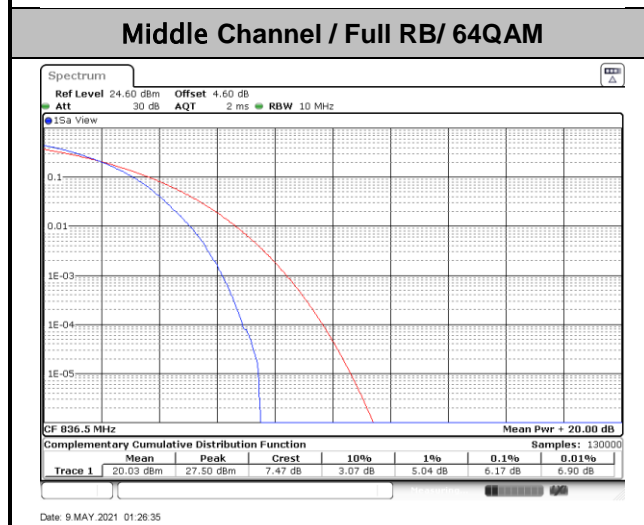
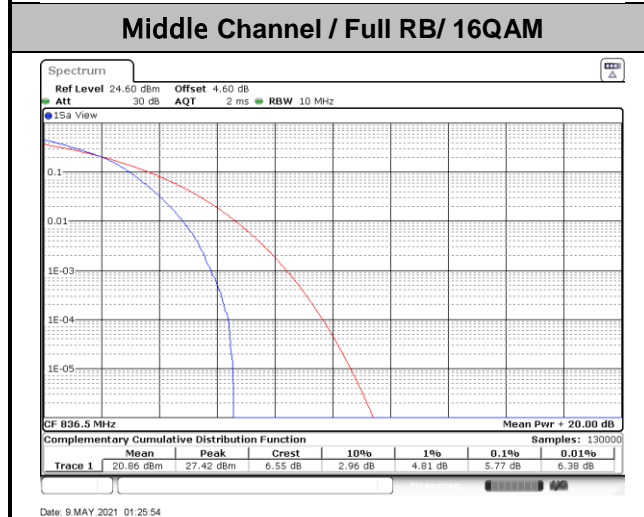
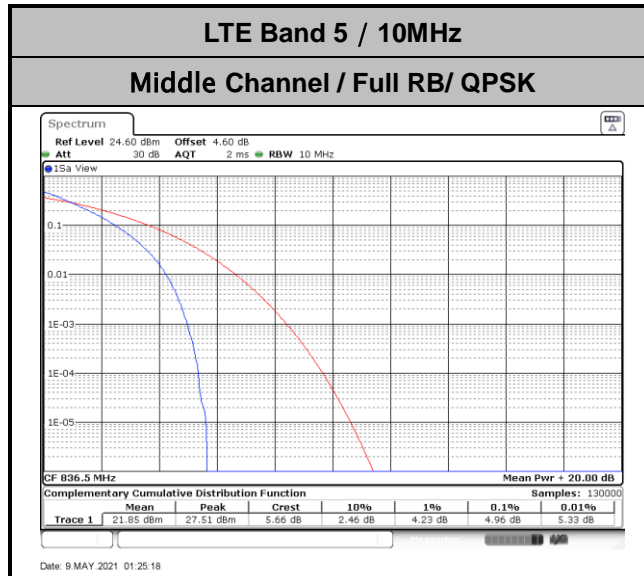
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

Peak-to-Average Ratio

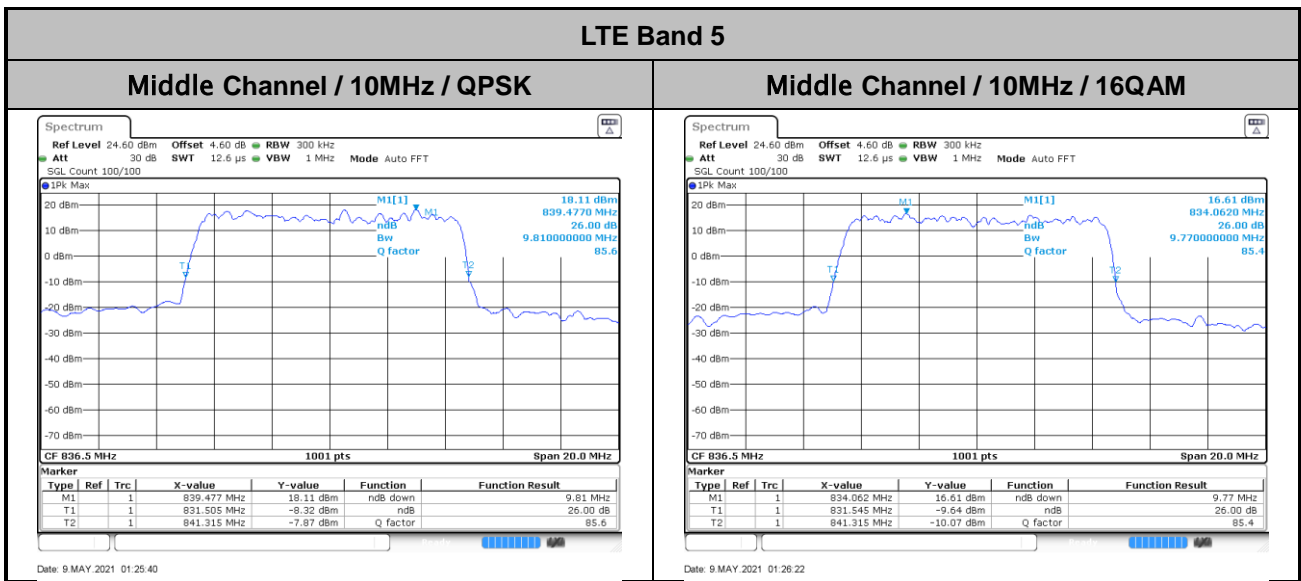
Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.96	5.77	6.17	PASS





26dB Bandwidth

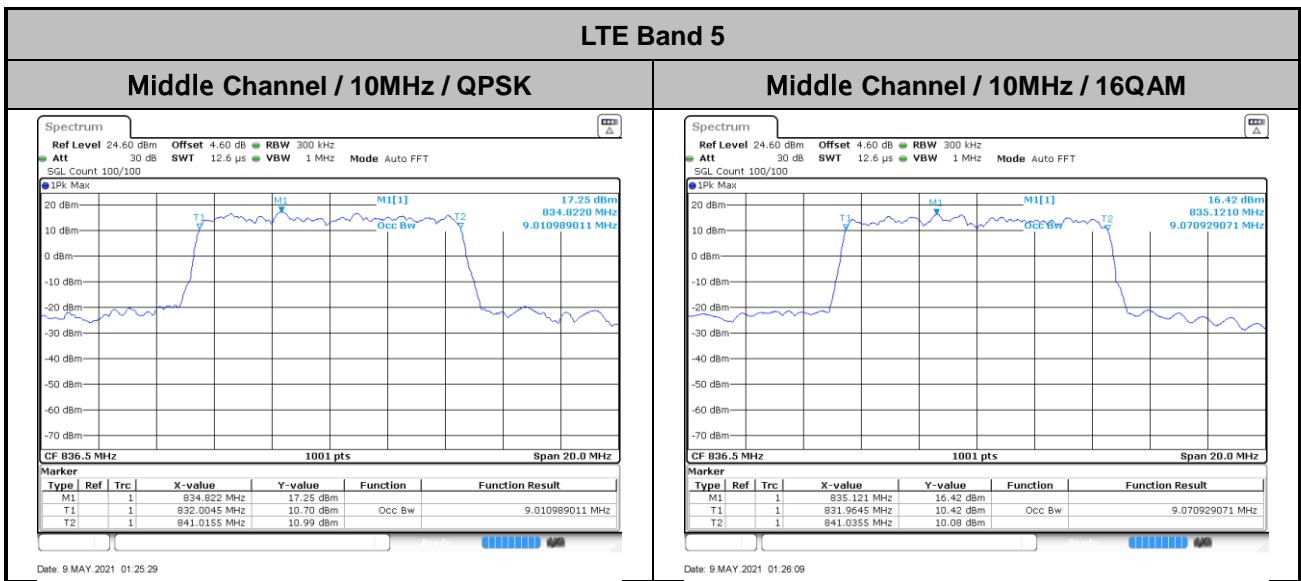
Mode	LTE Band 5 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.81	9.77





Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.07





Conducted Band Edge



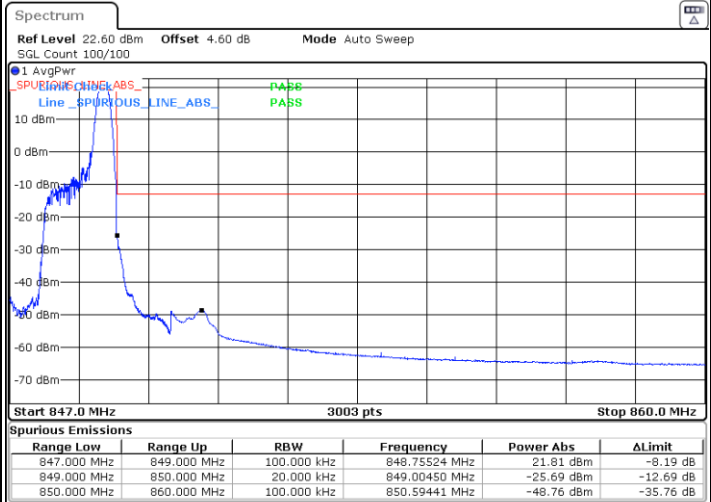
LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



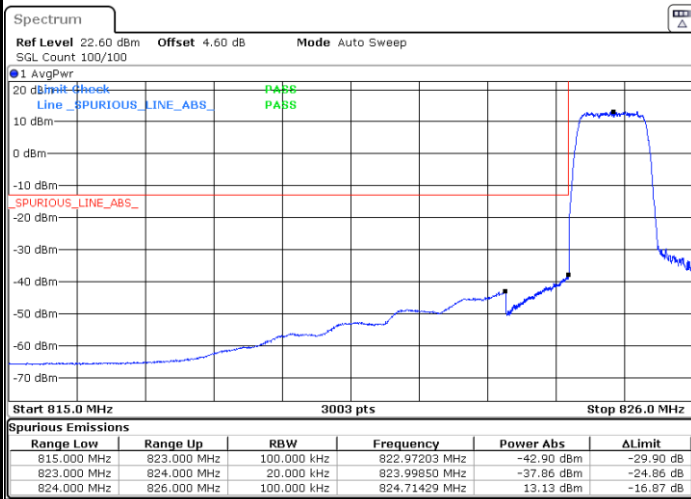
Date: 9 MAY 2021 02:00:10

Highest Band Edge / 1RB



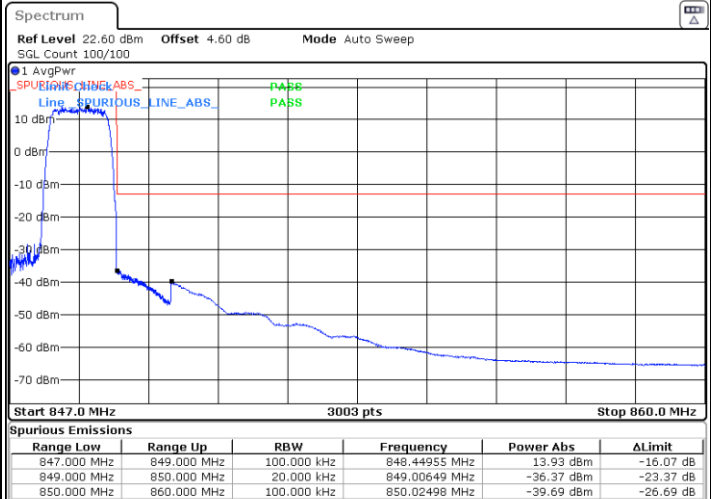
Date: 9 MAY 2021 02:16:01

Lowest Band Edge / Full RB



Date: 9 MAY 2021 02:07:12

Highest Band Edge / Full RB

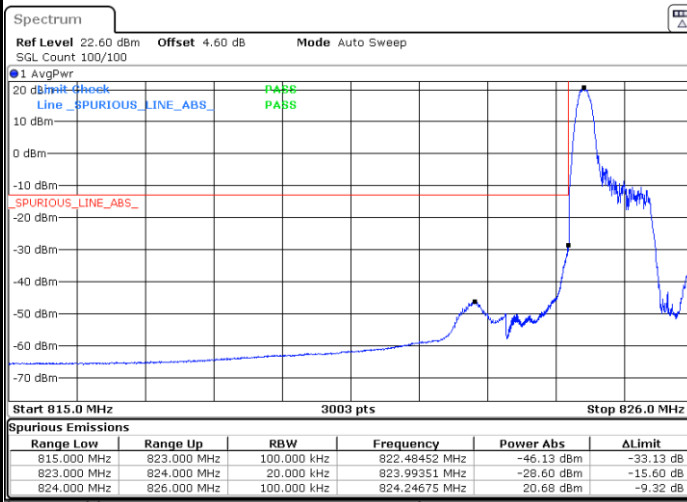


Date: 9 MAY 2021 02:08:40



LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



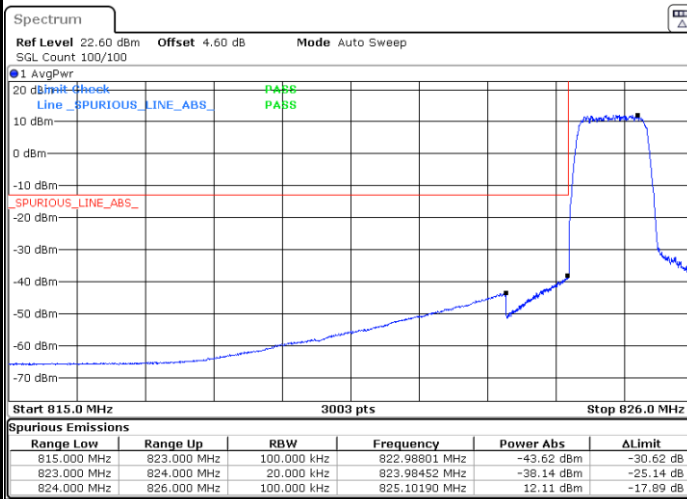
Date: 9 MAY 2021 02:01:39

Highest Band Edge / 1 RB



Date: 9 MAY 2021 02:14:35

Lowest Band Edge / Full RB



Date: 9 MAY 2021 02:05:49

Highest Band Edge / Full RB



Date: 9 MAY 2021 02:10:06



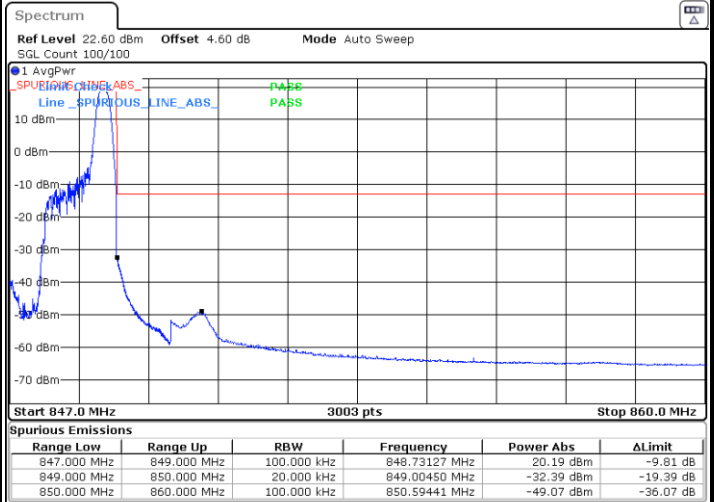
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



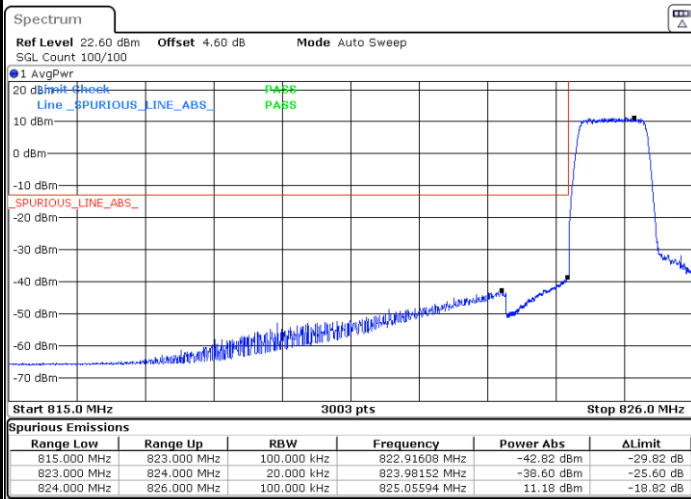
Date: 9 MAY 2021 02:03:00

Highest Band Edge / 1 RB



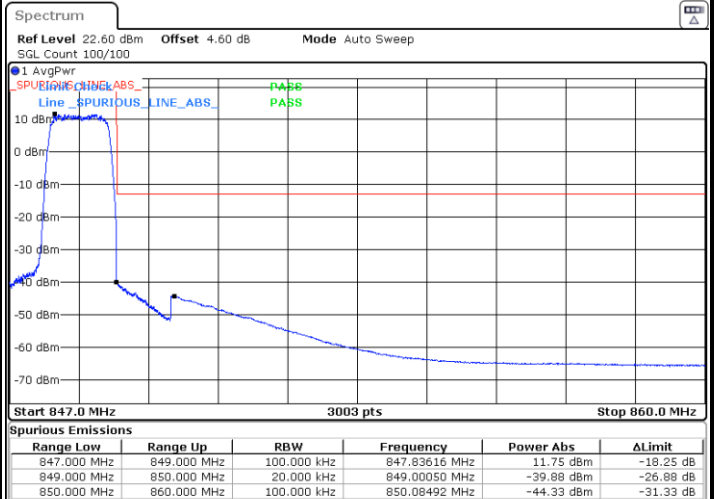
Date: 9 MAY 2021 02:13:09

Lowest Band Edge / Full RB



Date: 9 MAY 2021 02:04:27

Highest Band Edge / Full RB

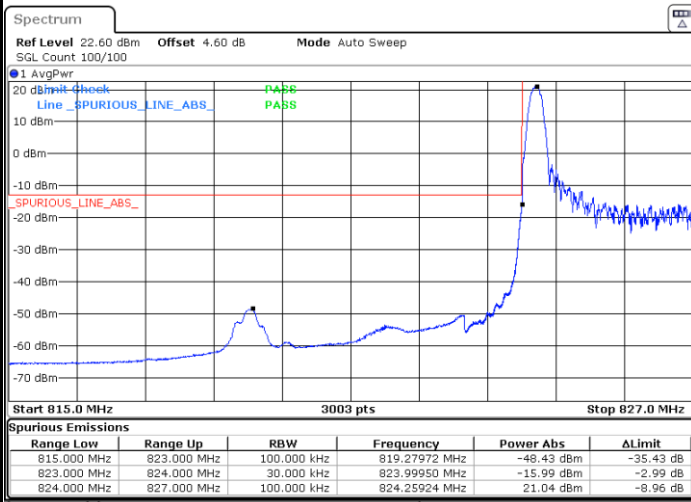


Date: 9 MAY 2021 02:11:37



LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



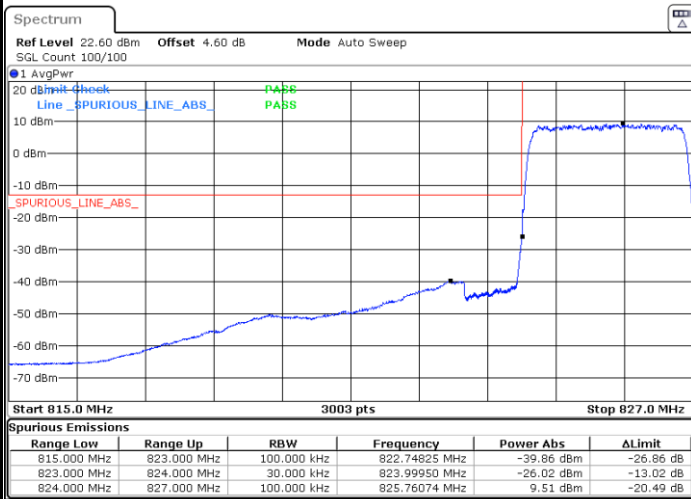
Date: 9 MAY 2021 01:45:28

Highest Band Edge / 1 RB



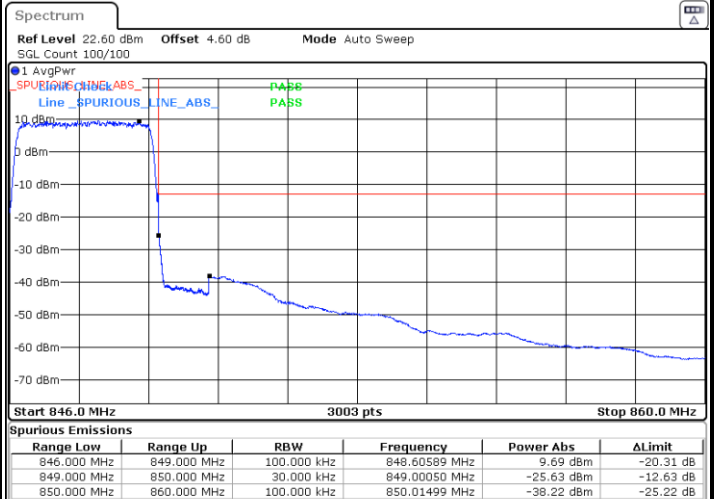
Date: 9 MAY 2021 01:56:24

Lowest Band Edge / Full RB



Date: 9 MAY 2021 01:49:56

Highest Band Edge / Full RB

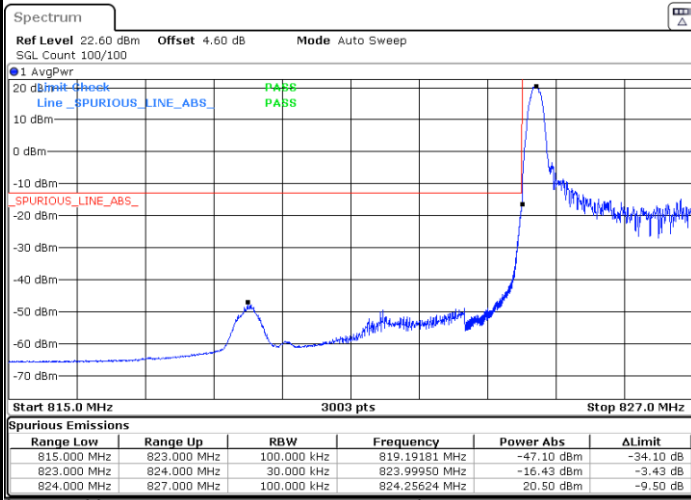


Date: 9 MAY 2021 01:51:02



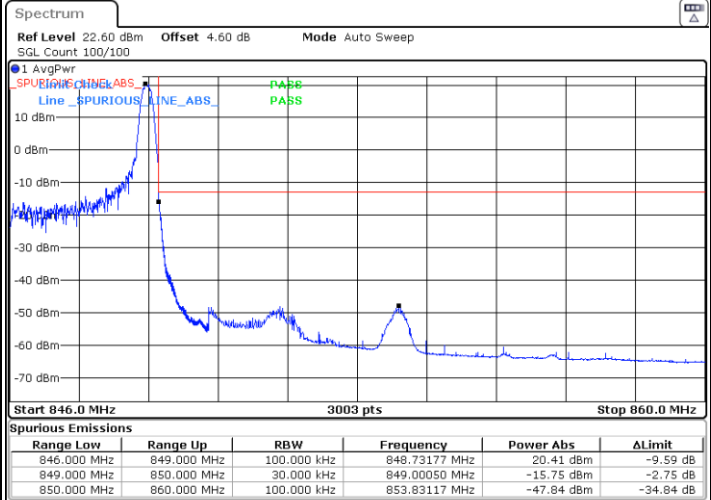
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



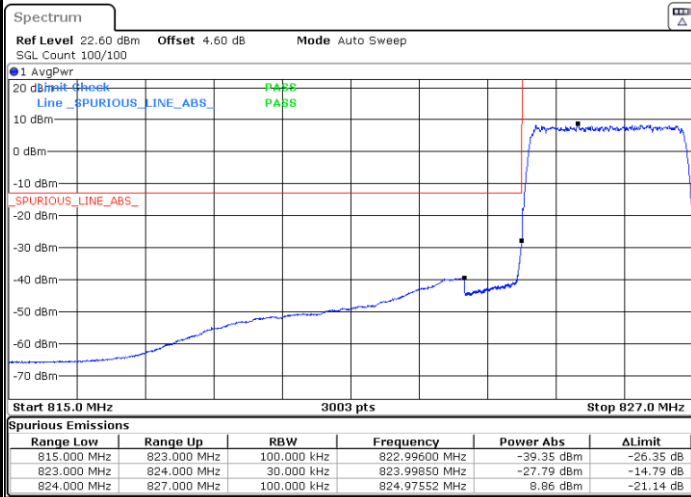
Date: 9 MAY 2021 01:46:21

Highest Band Edge / 1 RB



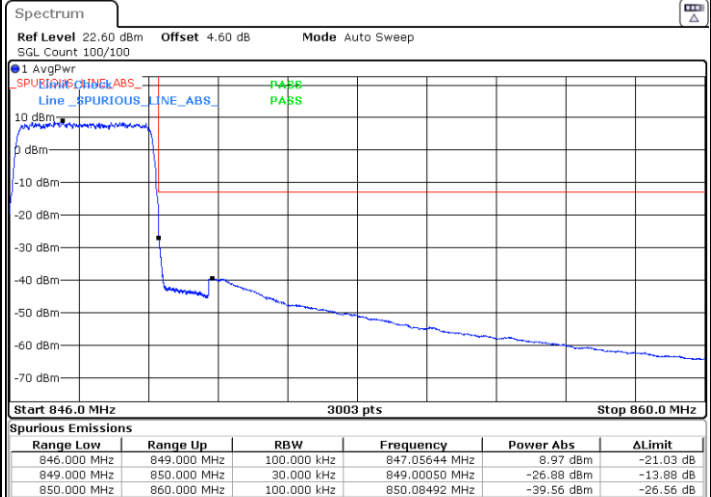
Date: 9 MAY 2021 01:55:26

Lowest Band Edge / Full RB



Date: 9 MAY 2021 01:49:04

Highest Band Edge / Full RB

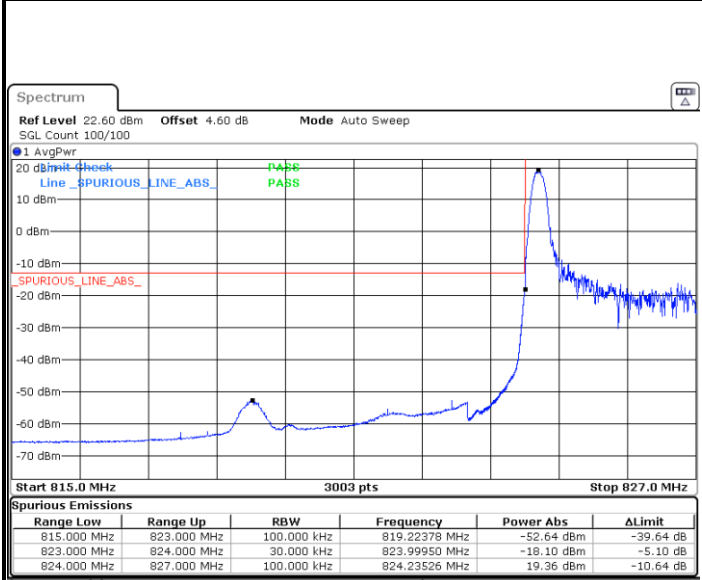


Date: 9 MAY 2021 01:52:00



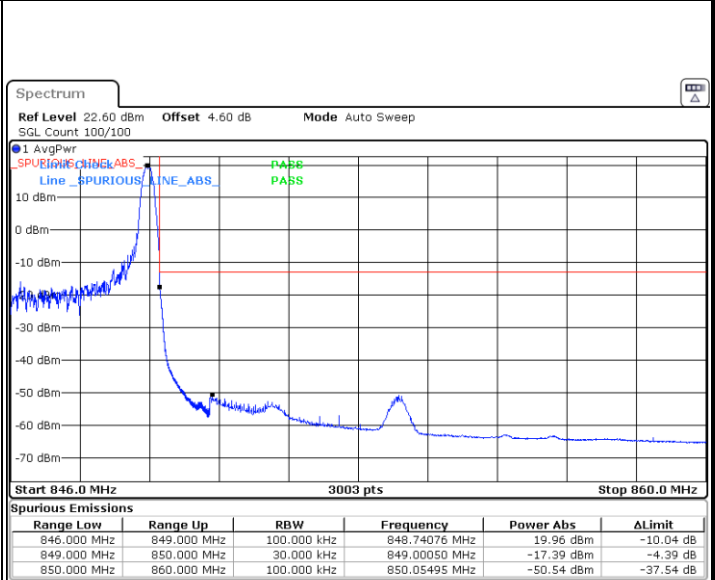
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



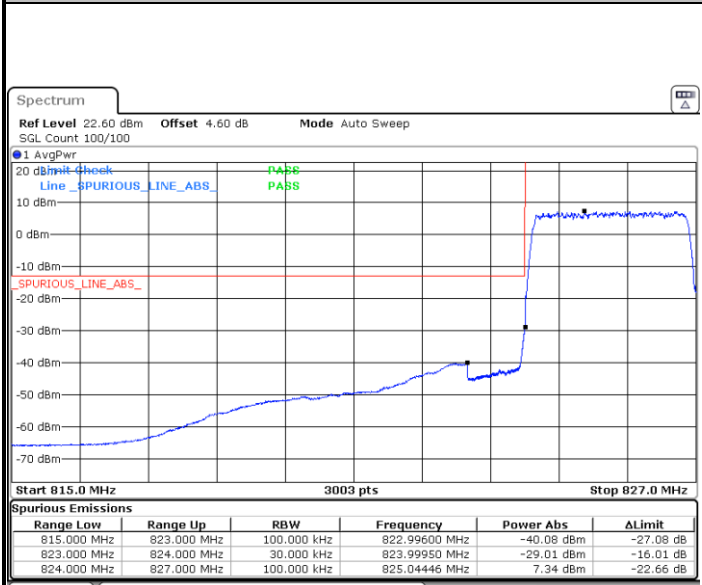
Date: 9 MAY 2021 01:47:15

Highest Band Edge / 1 RB



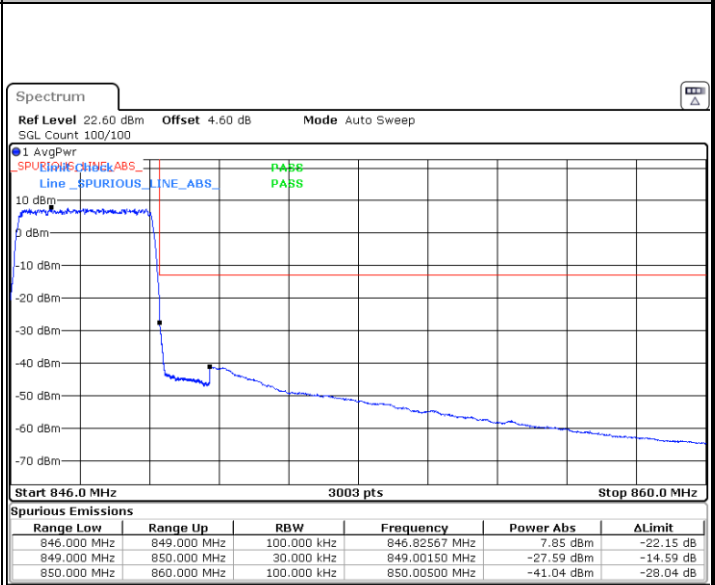
Date: 9 MAY 2021 01:54:24

Lowest Band Edge / Full RB



Date: 9 MAY 2021 01:48:09

Highest Band Edge / Full RB

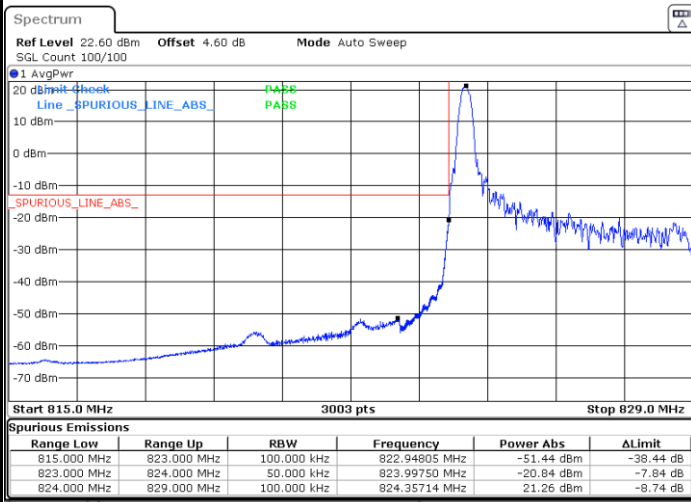


Date: 9 MAY 2021 01:53:03



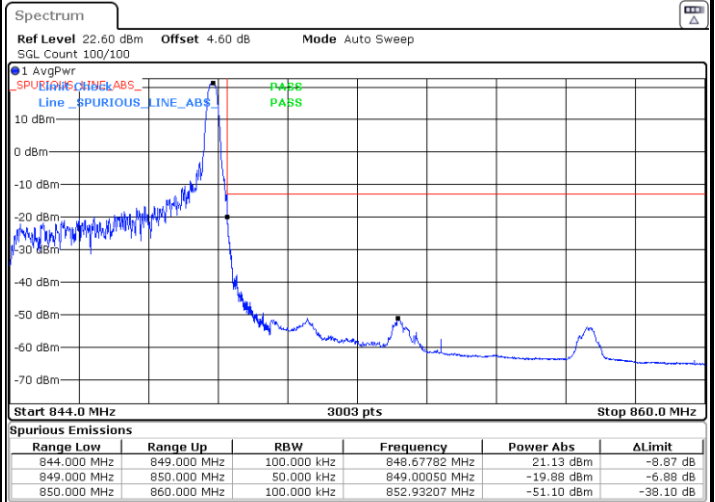
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



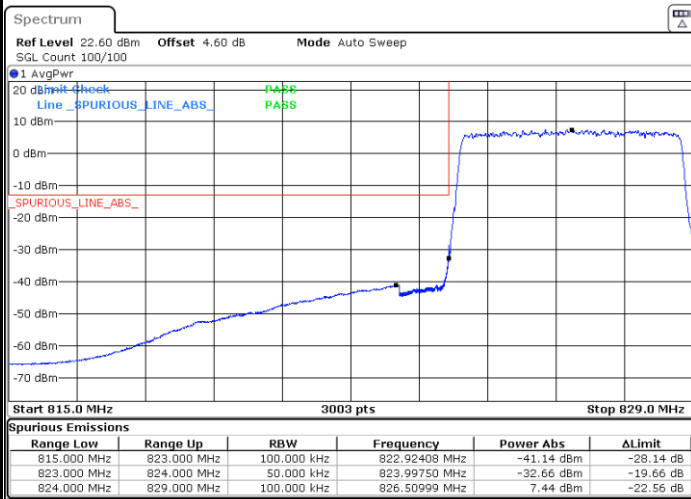
Date: 9 MAY 2021 01:33:45

Highest Band Edge / 1 RB



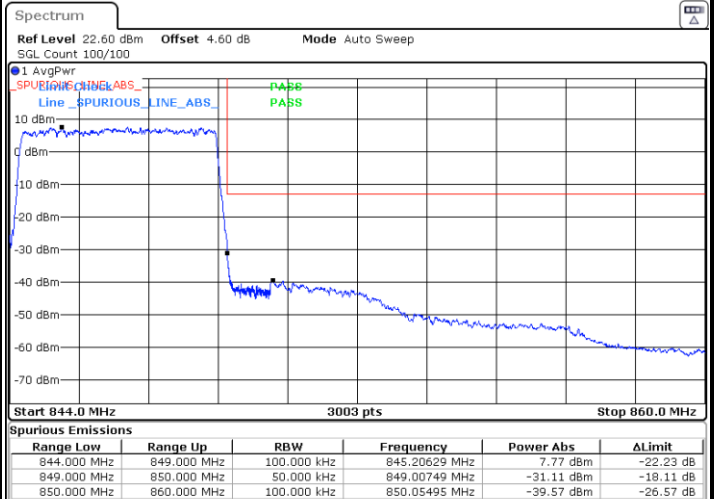
Date: 9 MAY 2021 01:42:32

Lowest Band Edge / Full RB



Date: 9 MAY 2021 01:37:07

Highest Band Edge / Full RB

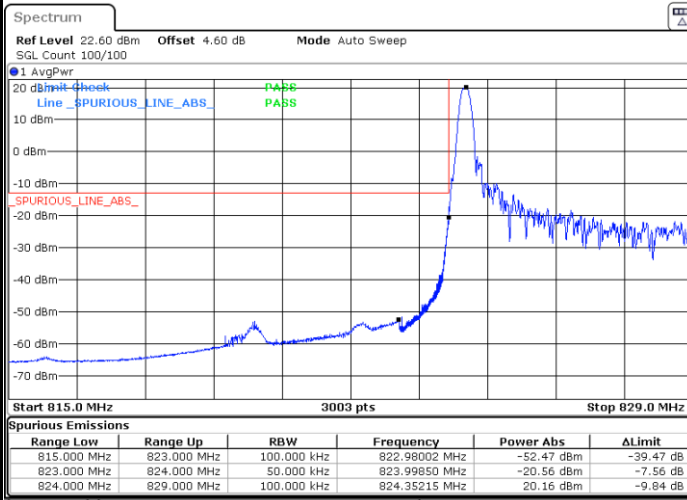


Date: 9 MAY 2021 01:37:55



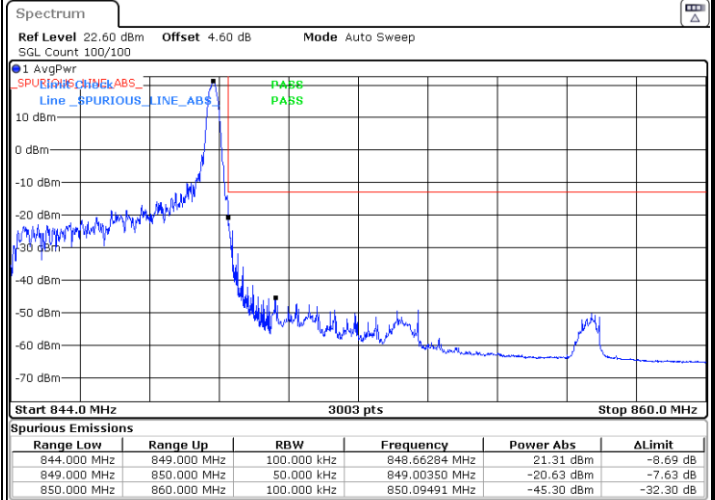
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



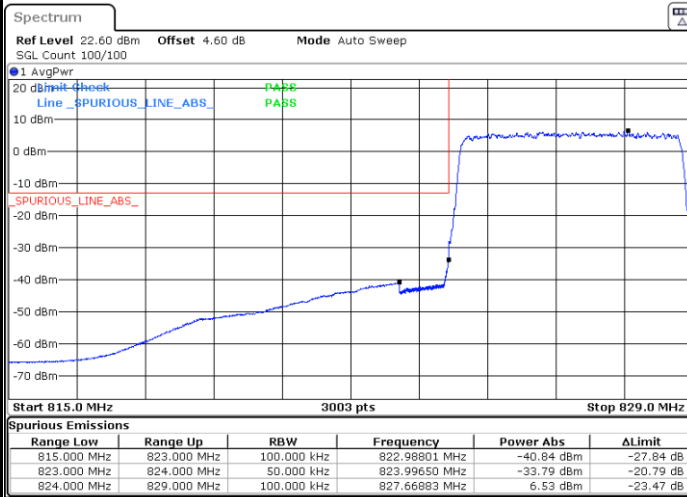
Date: 9 MAY 2021 01:34:26

Highest Band Edge / 1 RB



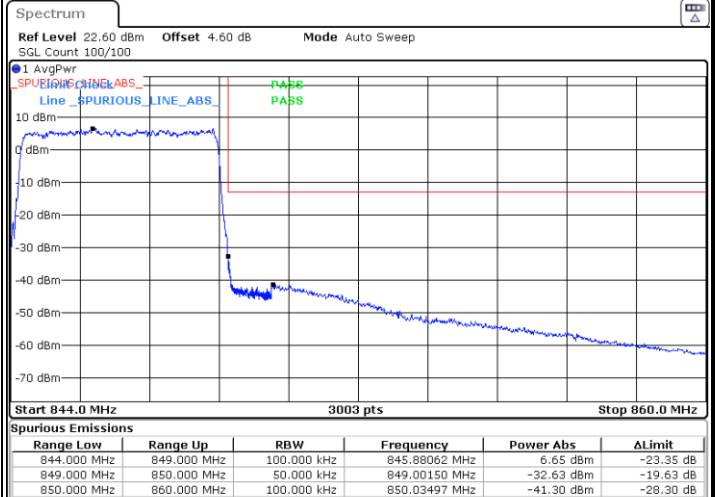
Date: 9 MAY 2021 01:41:46

Lowest Band Edge / Full RB



Date: 9 MAY 2021 01:36:26

Highest Band Edge / Full RB

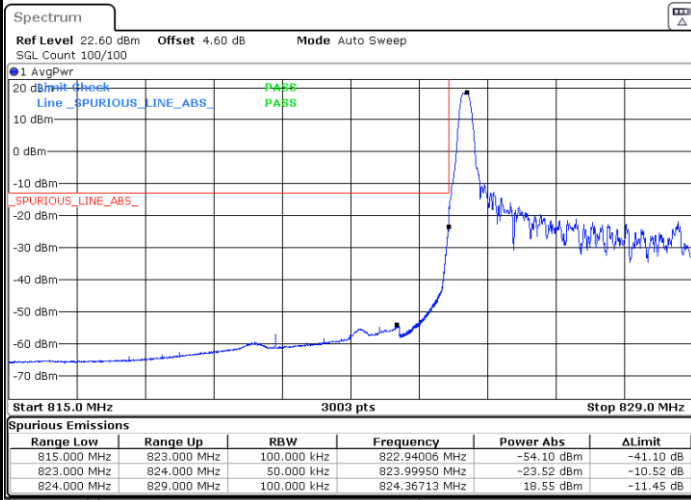


Date: 9 MAY 2021 01:38:41



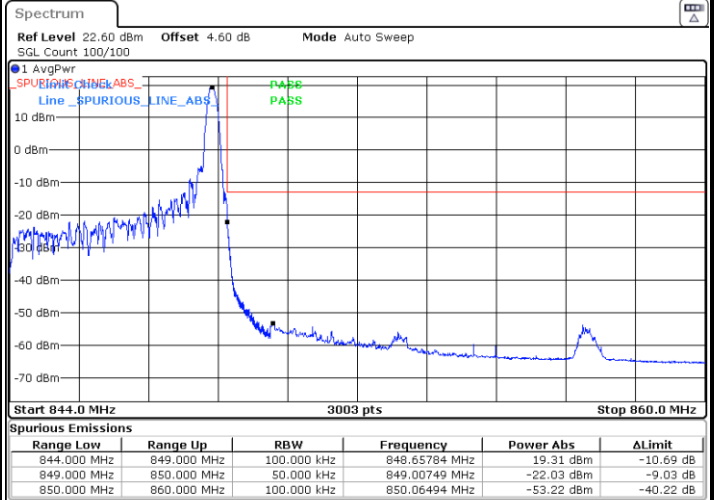
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



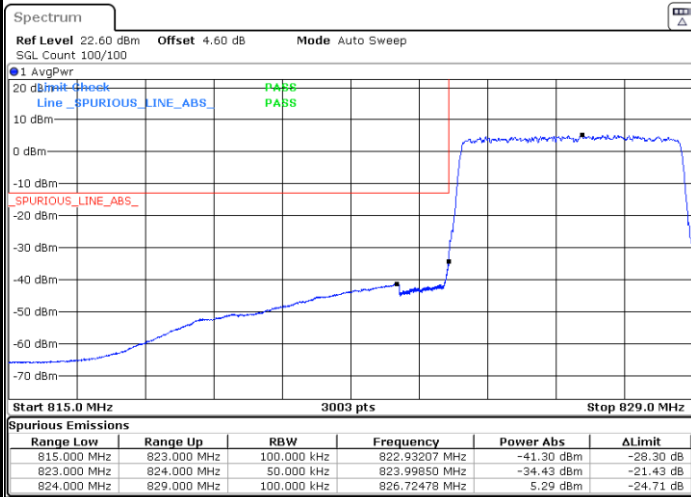
Date: 9 MAY 2021 01:35:05

Highest Band Edge / 1 RB



Date: 9 MAY 2021 01:41:02

Lowest Band Edge / Full RB



Date: 9 MAY 2021 01:35:47

Highest Band Edge / Full RB

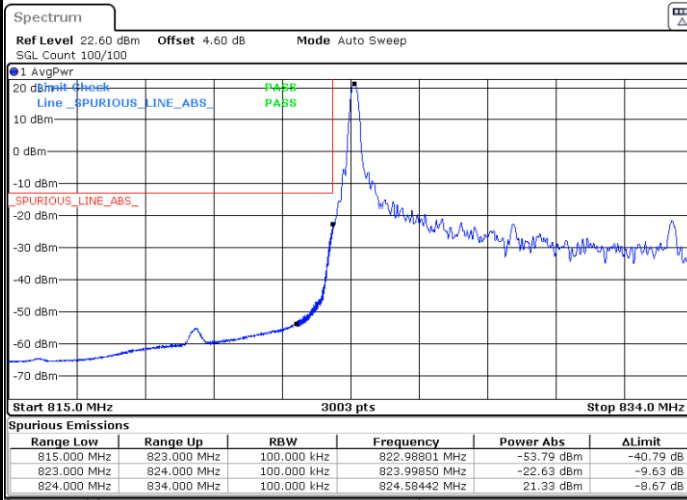


Date: 9 MAY 2021 01:40:05



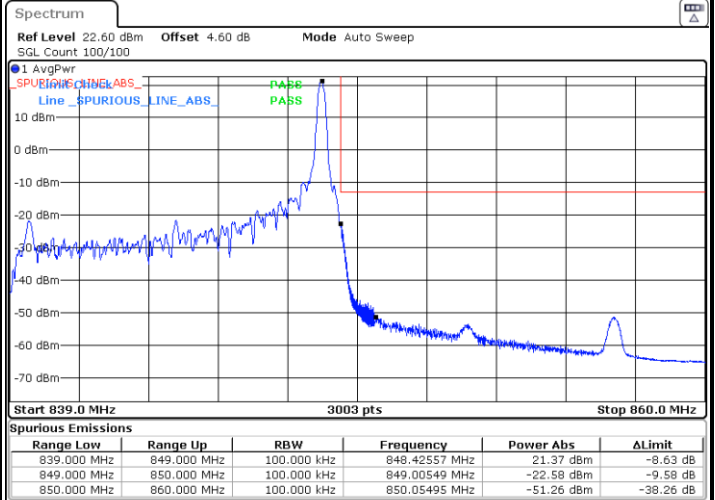
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



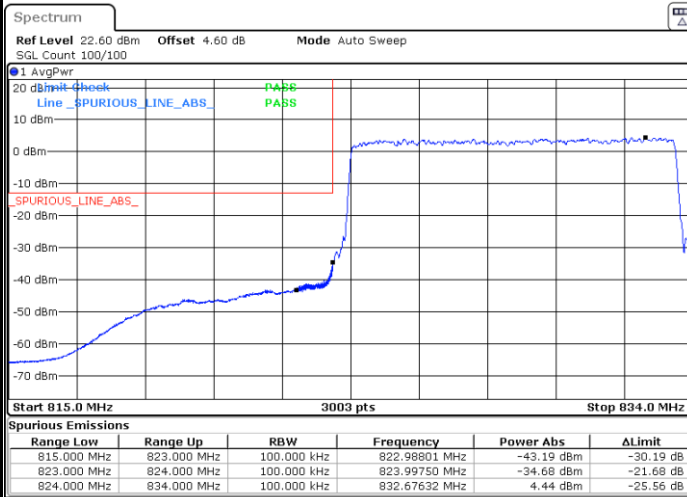
Date: 9 MAY 2021 01:22:05

Highest Band Edge / 1 RB



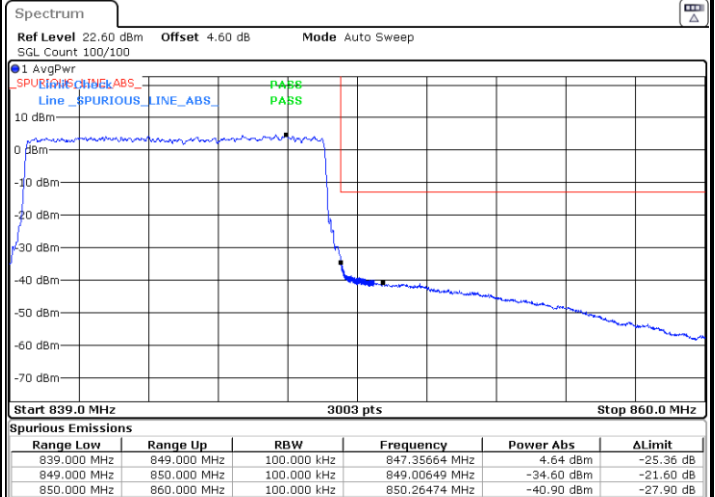
Date: 9 MAY 2021 01:29:01

Lowest Band Edge / Full RB



Date: 9 MAY 2021 01:24:57

Highest Band Edge / Full RB

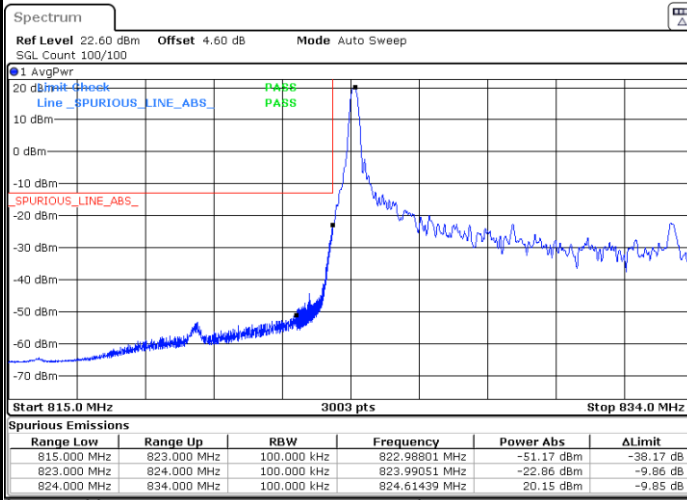


Date: 9 MAY 2021 01:28:25



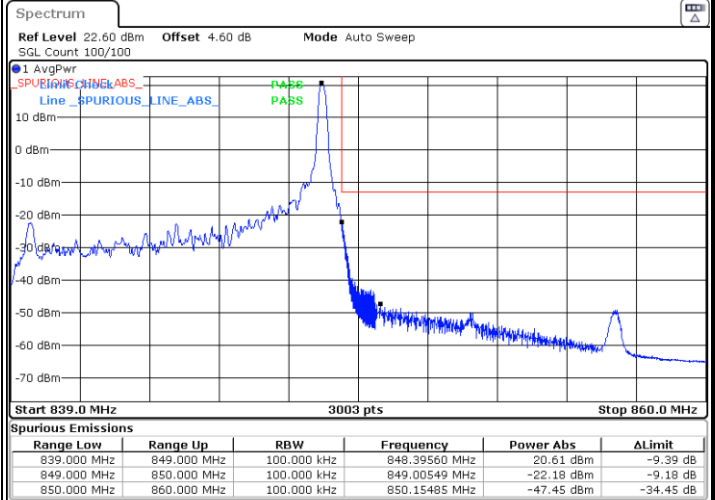
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



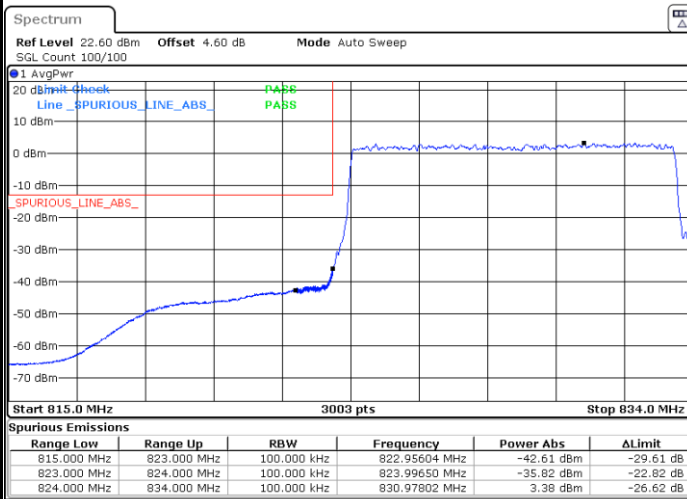
Date: 9 MAY 2021 01:22:37

Highest Band Edge / 1 RB



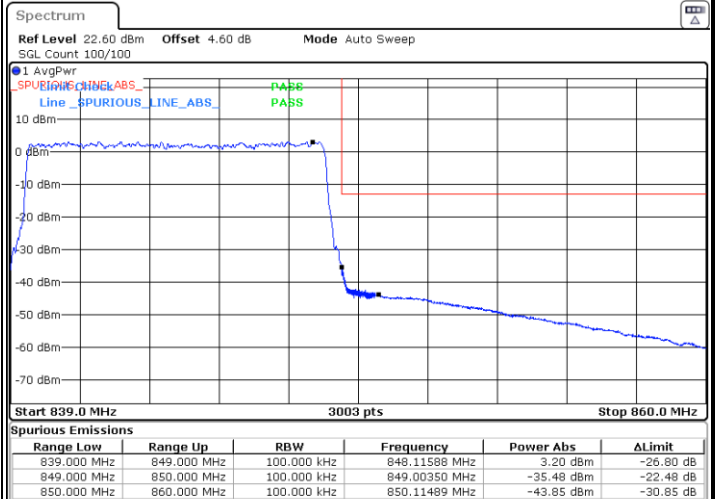
Date: 9 MAY 2021 01:29:38

Lowest Band Edge / Full RB



Date: 9 MAY 2021 01:24:26

Highest Band Edge / Full RB

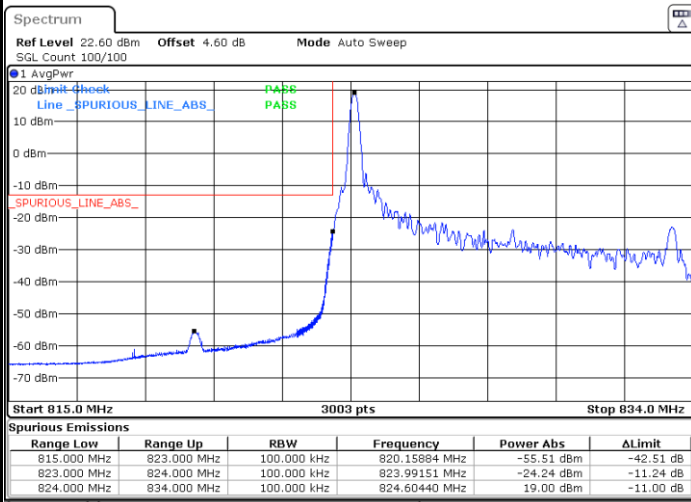


Date: 9 MAY 2021 01:27:48



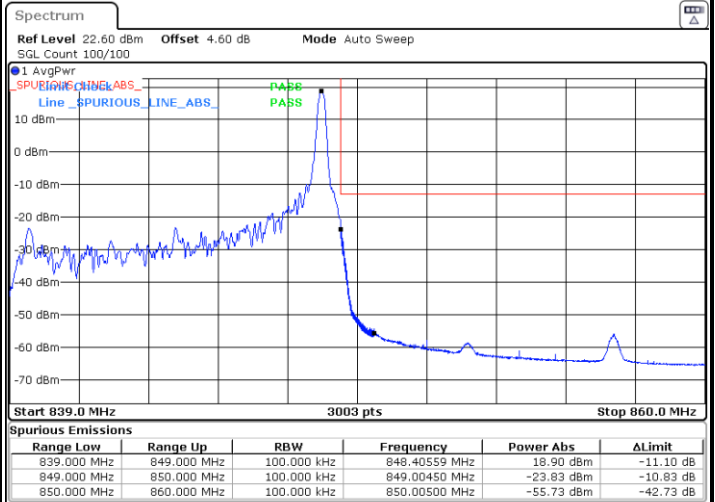
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



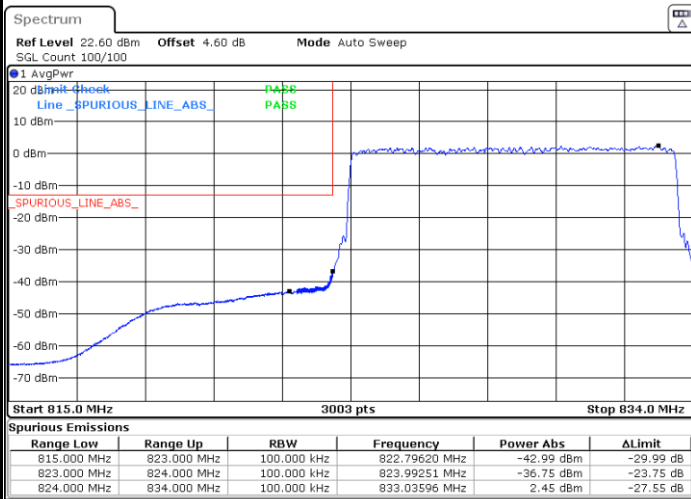
Date: 9 MAY 2021 01:23:08

Highest Band Edge / 1 RB



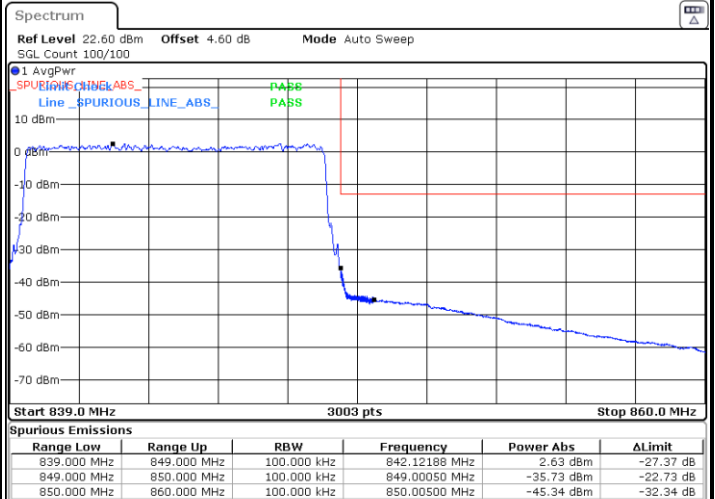
Date: 9 MAY 2021 01:30:20

Lowest Band Edge / Full RB



Date: 9 MAY 2021 01:23:54

Highest Band Edge / Full RB



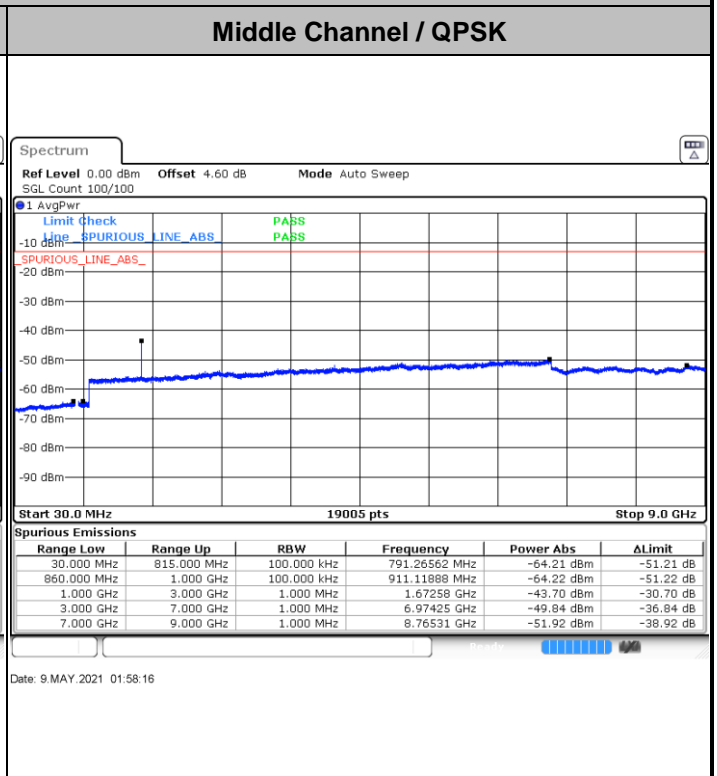
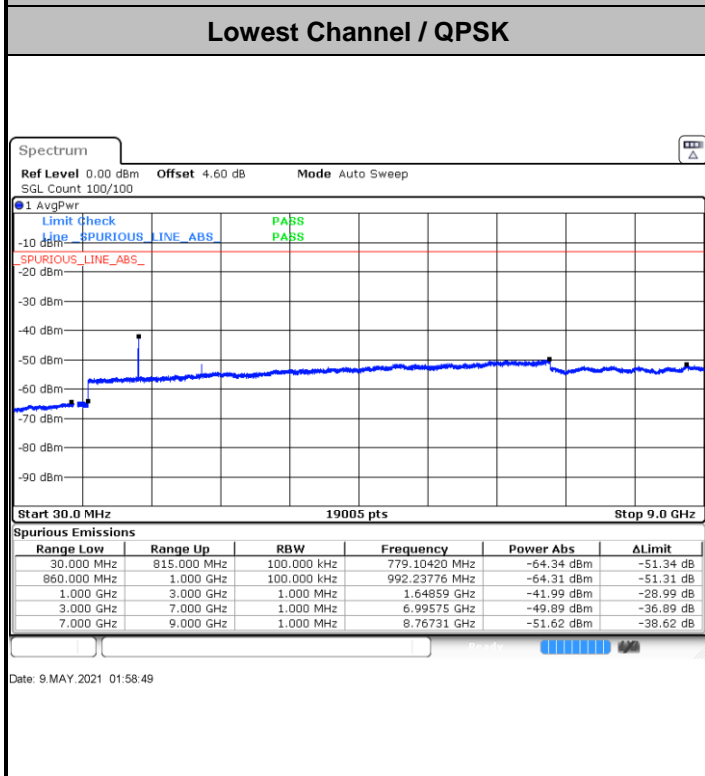
Date: 9 MAY 2021 01:27:13



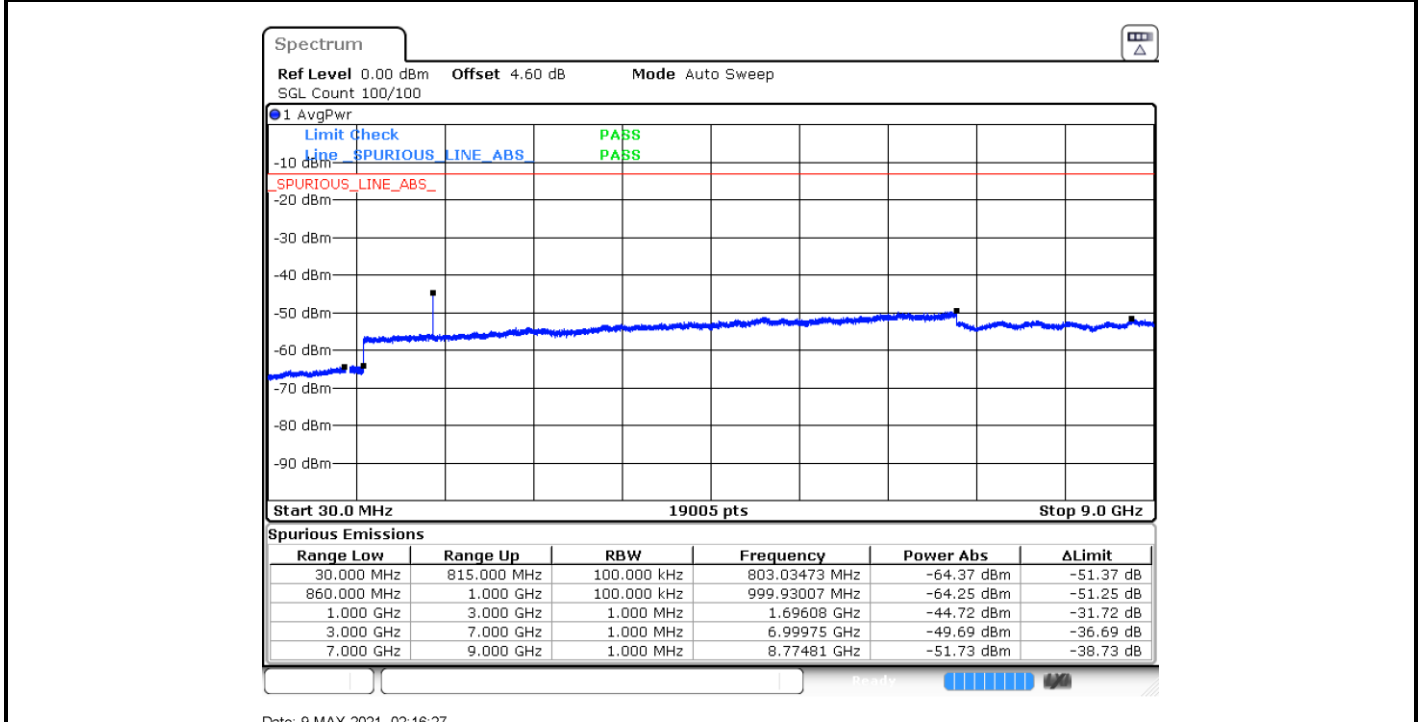
Conducted Spurious Emission



LTE Band 5 / 1.4MHz



Highest Channel / QPSK

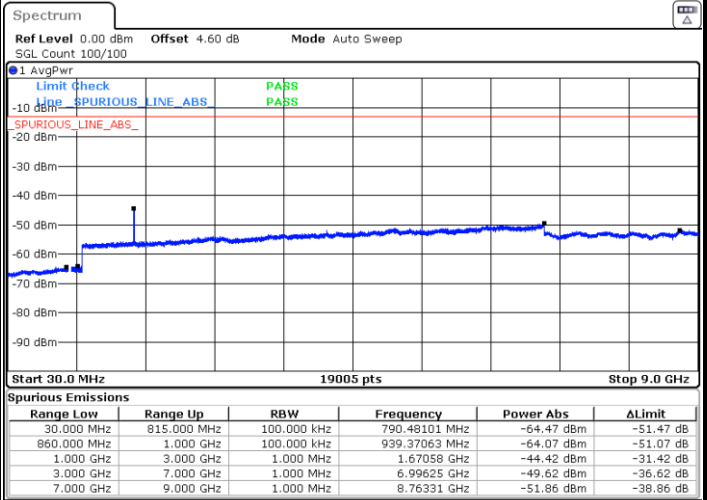
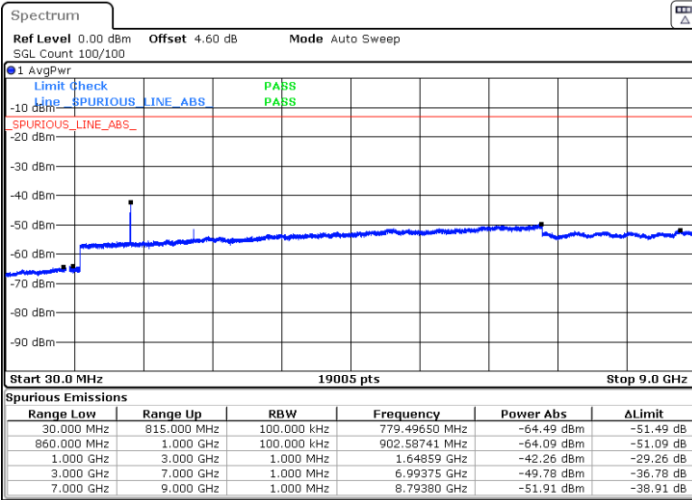




LTE Band 5 / 3MHz

Lowest Channel / QPSK

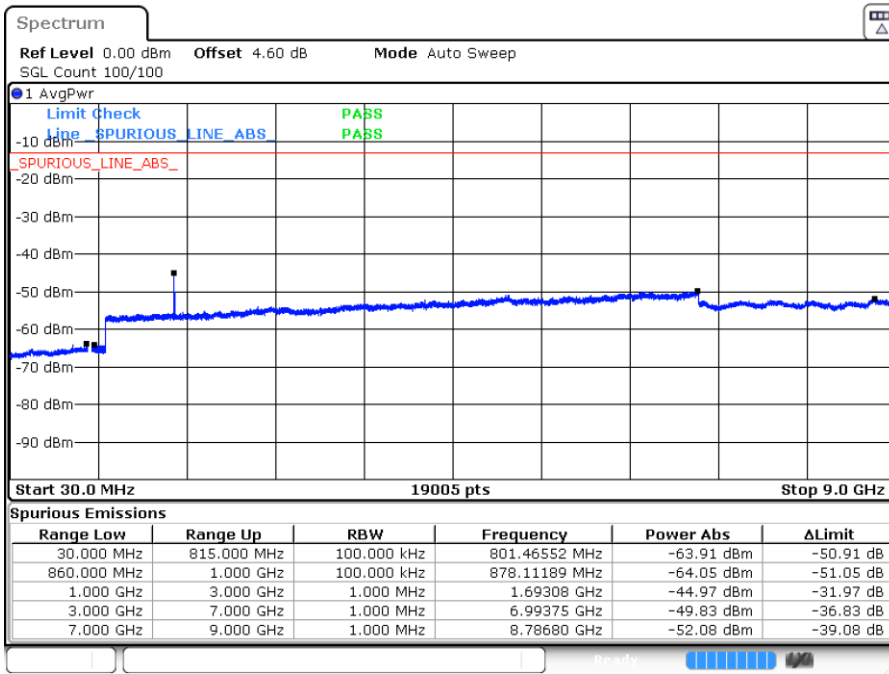
Middle Channel / QPSK



Date: 9 MAY 2021 01:44:36

Date: 9 MAY 2021 01:44:10

Highest Channel / QPSK

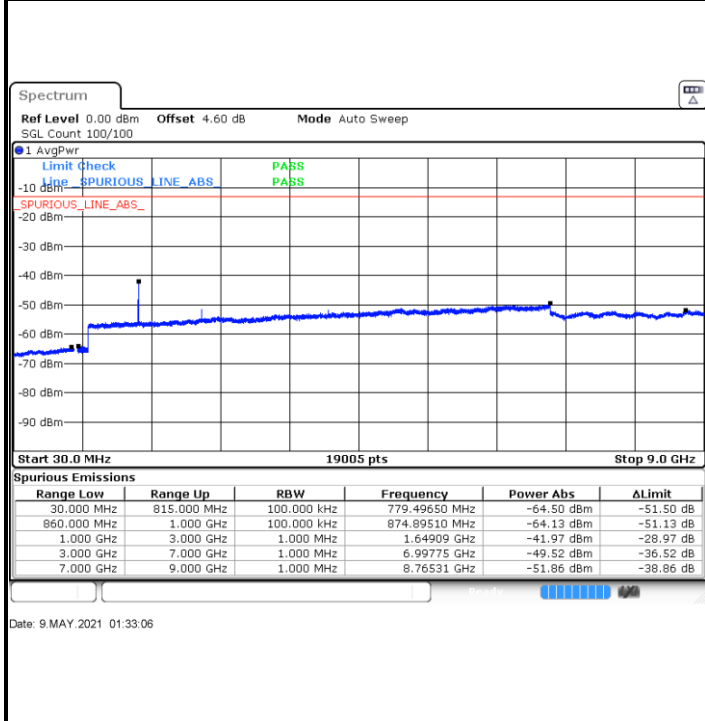


Date: 9 MAY 2021 01:57:17

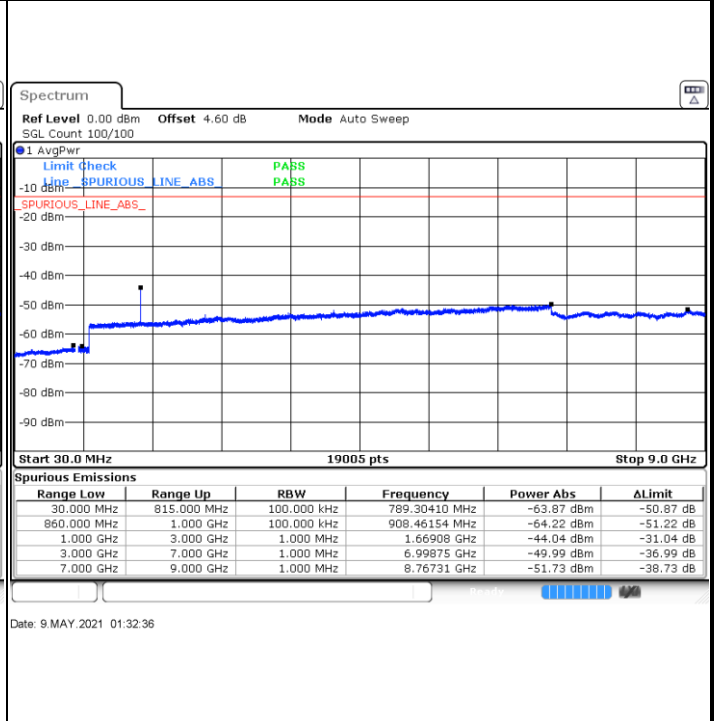


LTE Band 5 / 5MHz

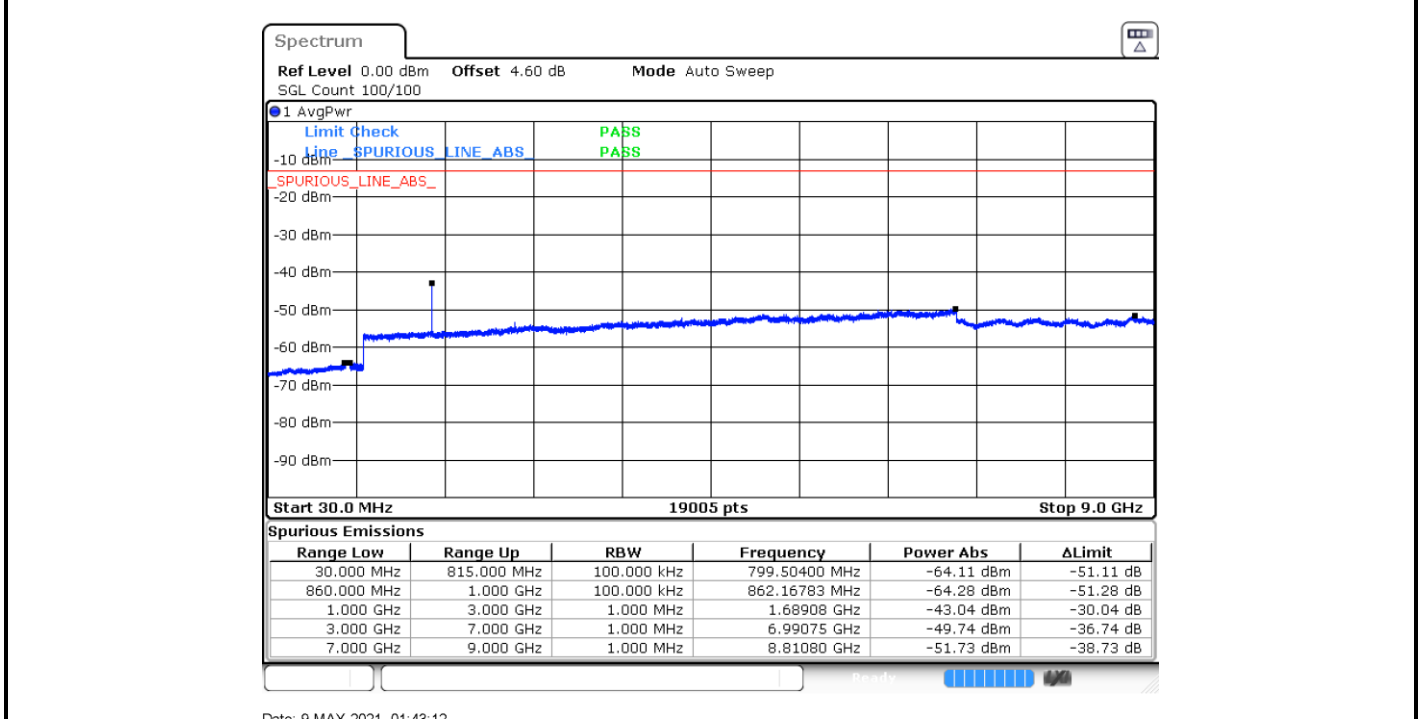
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

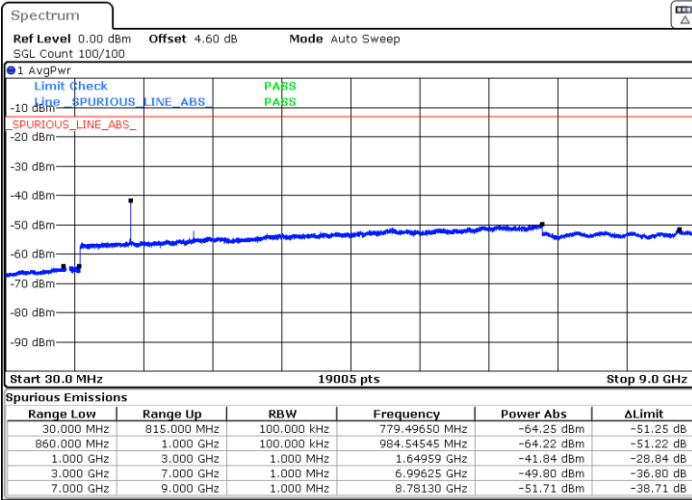




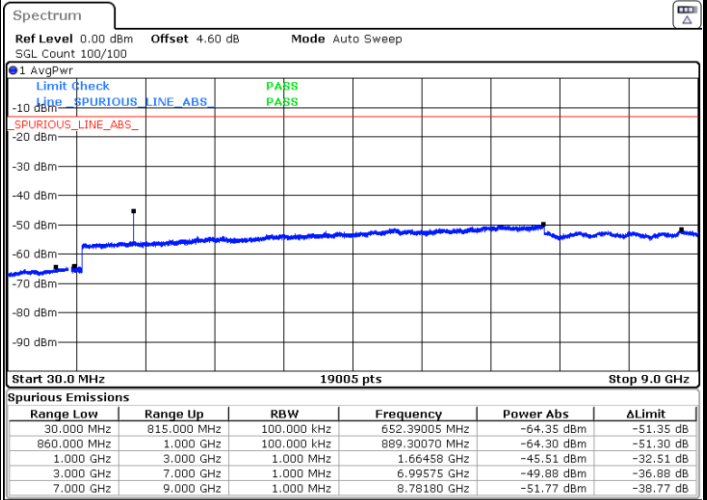
LTE Band 5 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

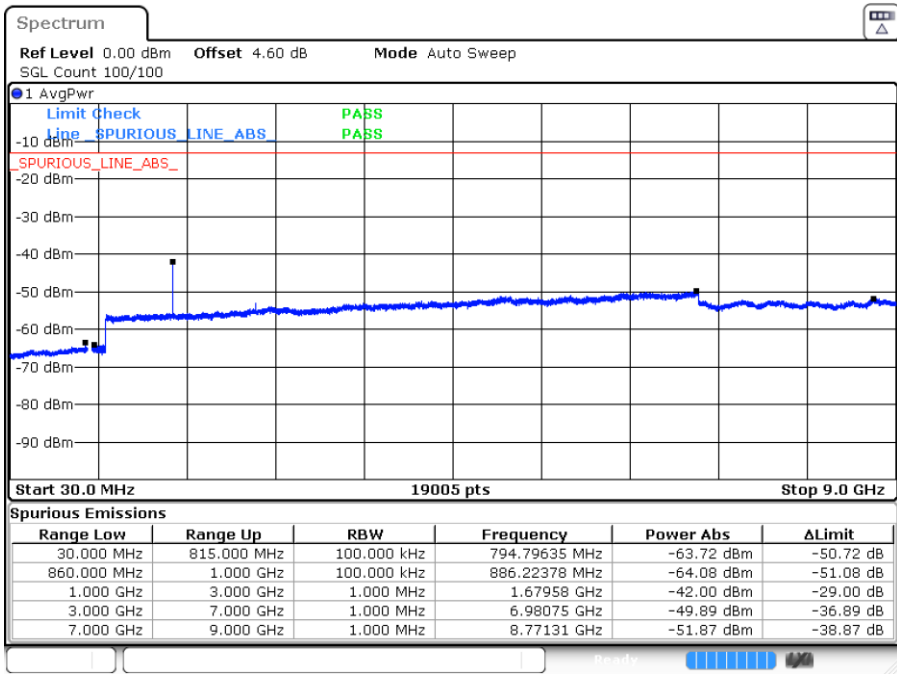


Date: 9 MAY 2021 01:21:31



Date: 9 MAY 2021 01:20:35

Highest Channel / QPSK



Date: 9 MAY 2021 01:31:45



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0010	

Note:

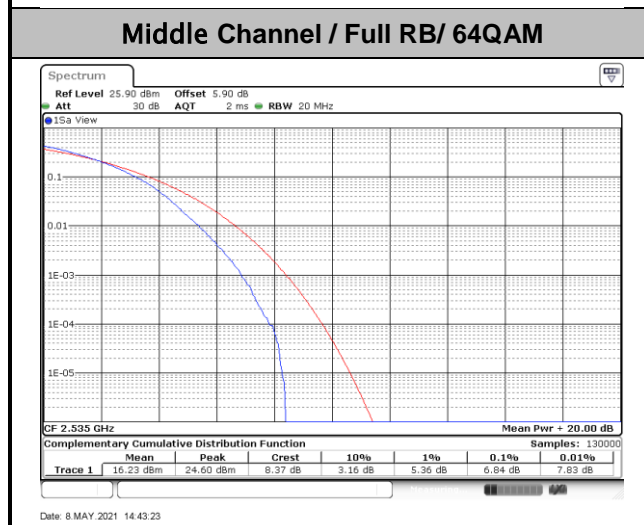
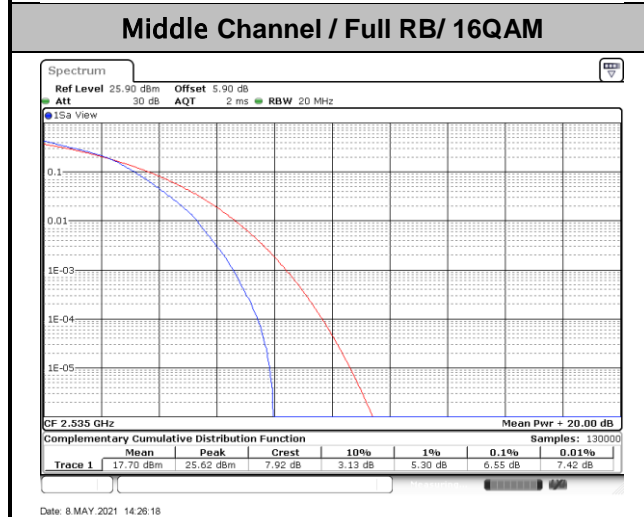
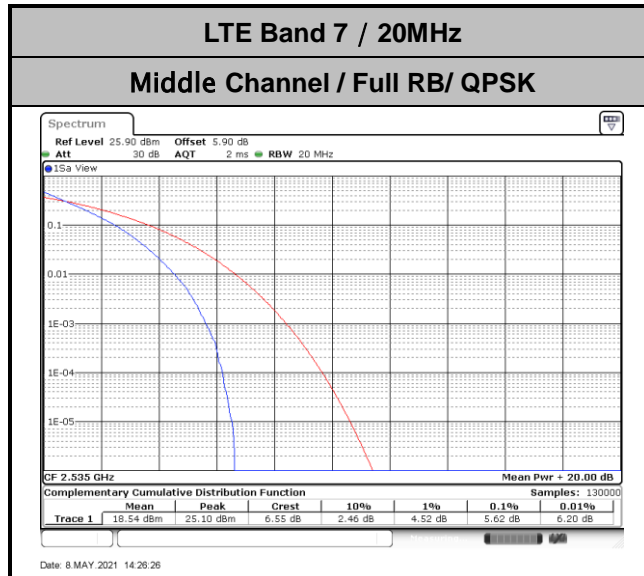
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

Peak-to-Average Ratio

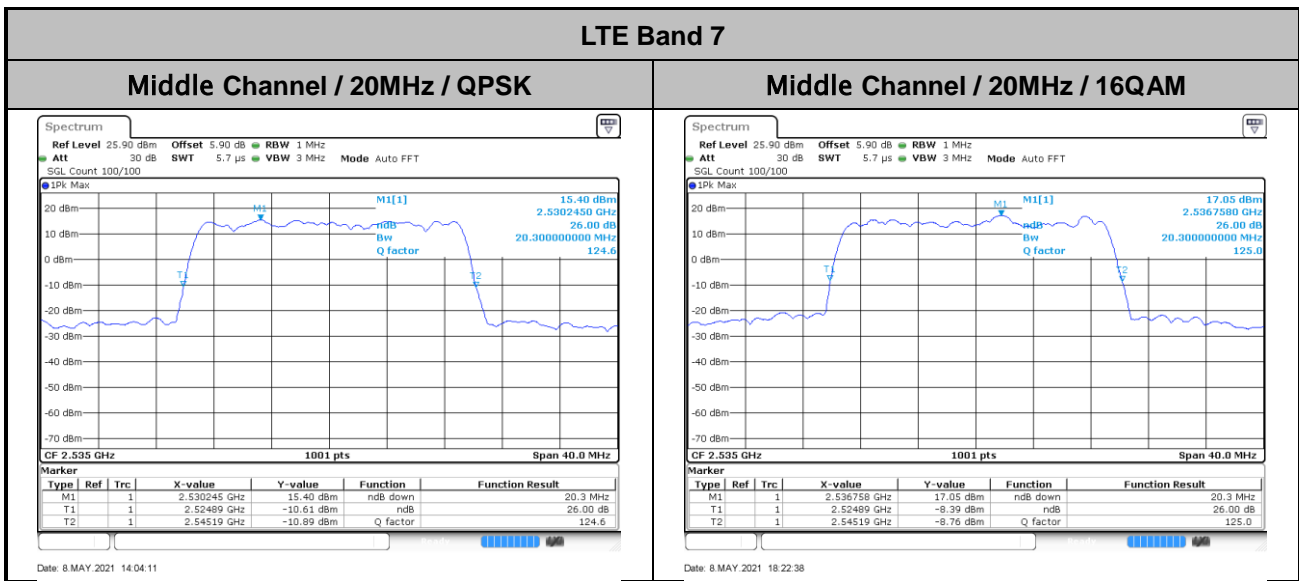
Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.62	6.55	6.84	PASS





26dB Bandwidth

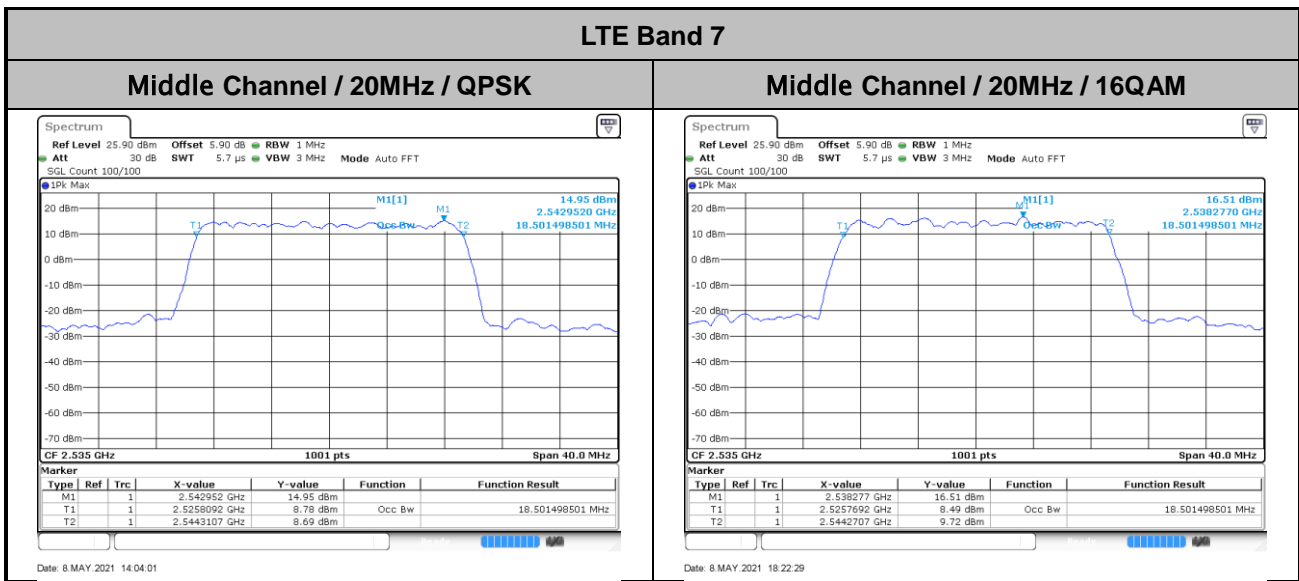
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.3	20.3





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.50	18.50



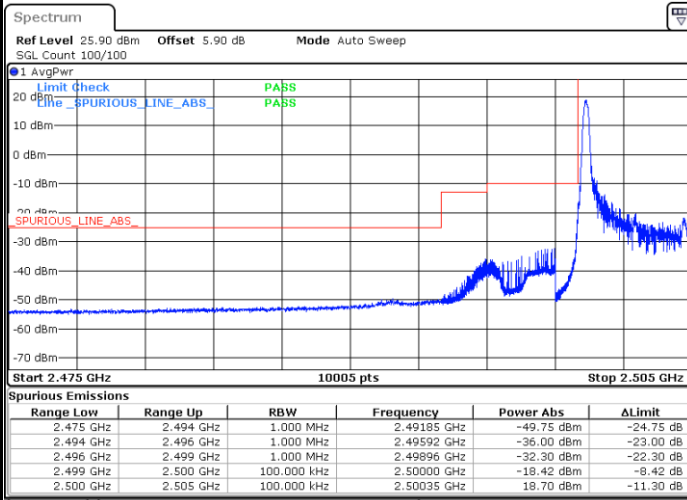


Conducted Band Edge



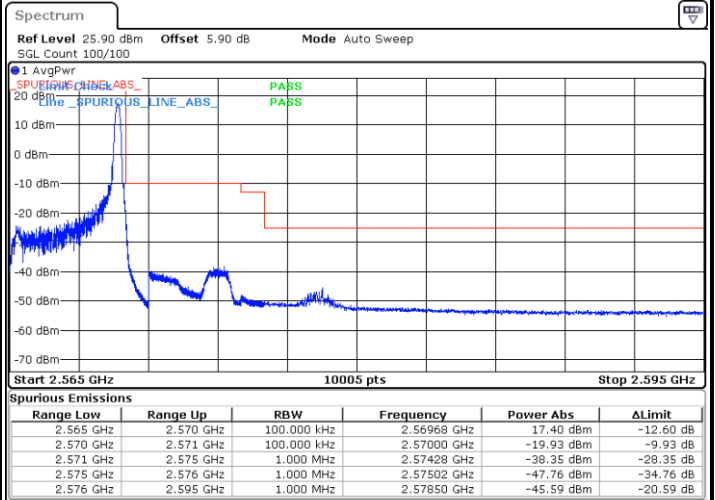
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



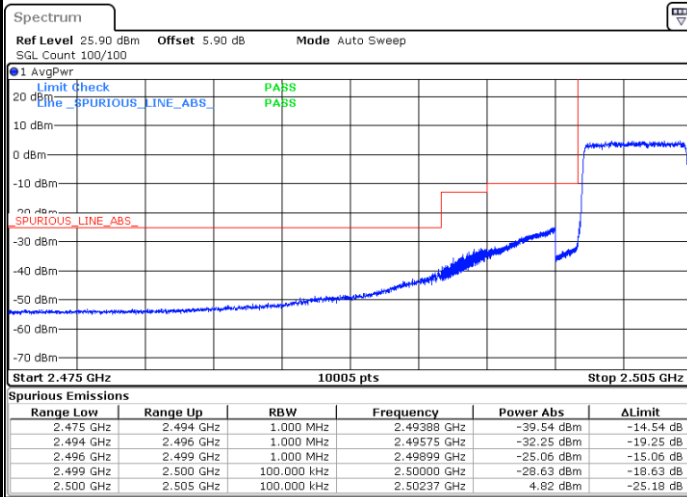
Date: 8 MAY 2021 14:29:37

Highest Band Edge / 1 RB



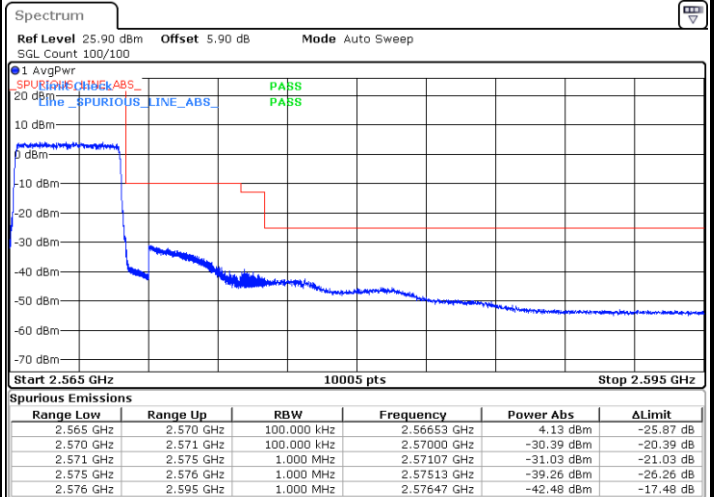
Date: 8 MAY 2021 14:37:34

Lowest Band Edge / Full RB



Date: 8 MAY 2021 14:33:02

Highest Band Edge / Full RB

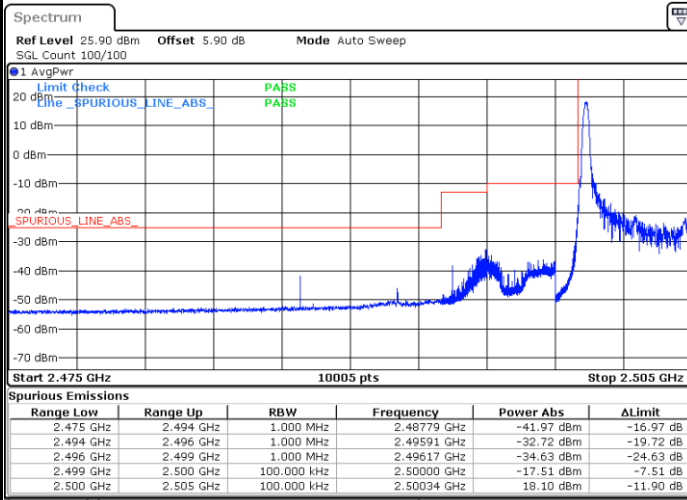


Date: 8 MAY 2021 14:34:10



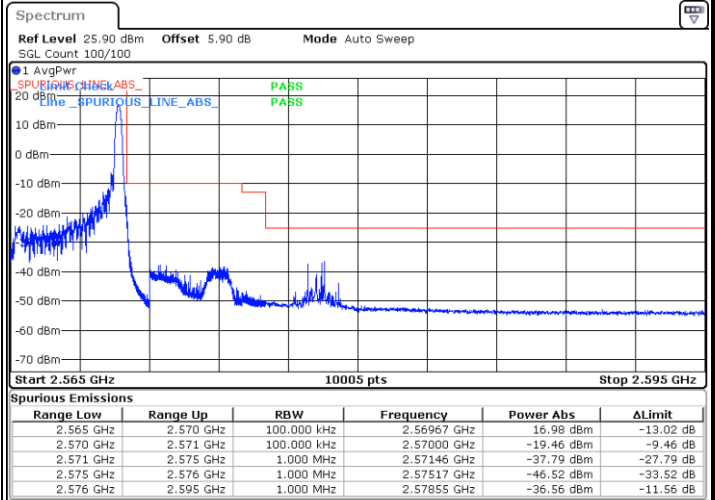
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



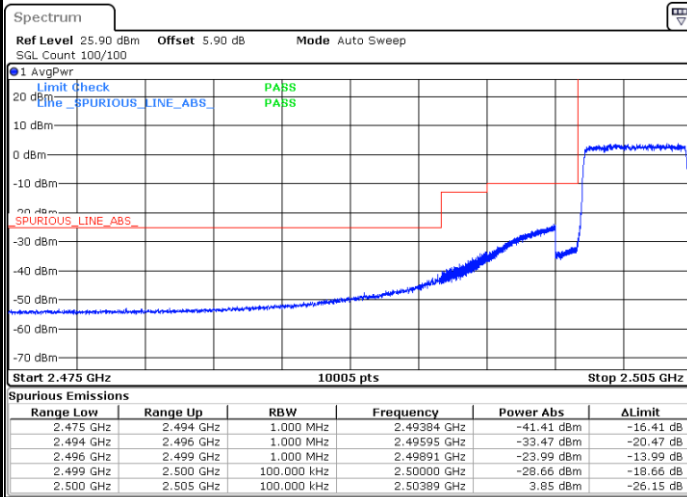
Date: 8 MAY 2021 14:30:45

Highest Band Edge / 1 RB



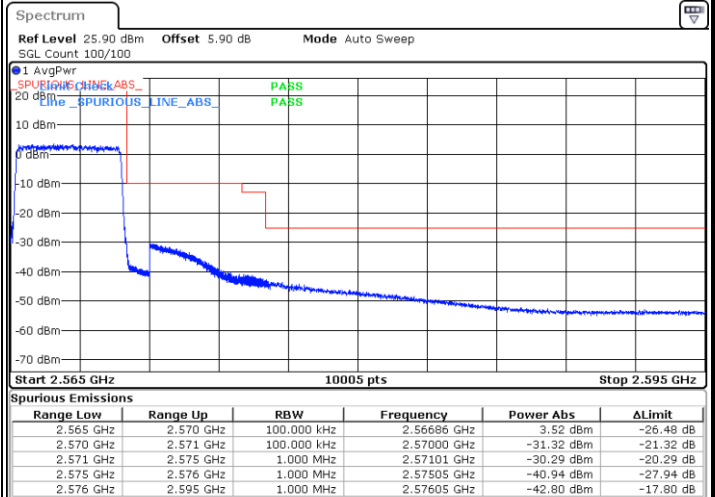
Date: 8 MAY 2021 14:36:26

Lowest Band Edge / Full RB



Date: 8 MAY 2021 14:31:54

Highest Band Edge / Full RB

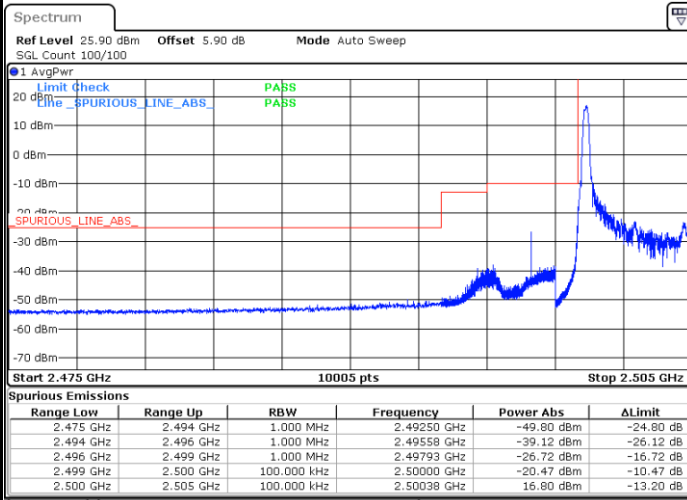


Date: 8 MAY 2021 14:35:18



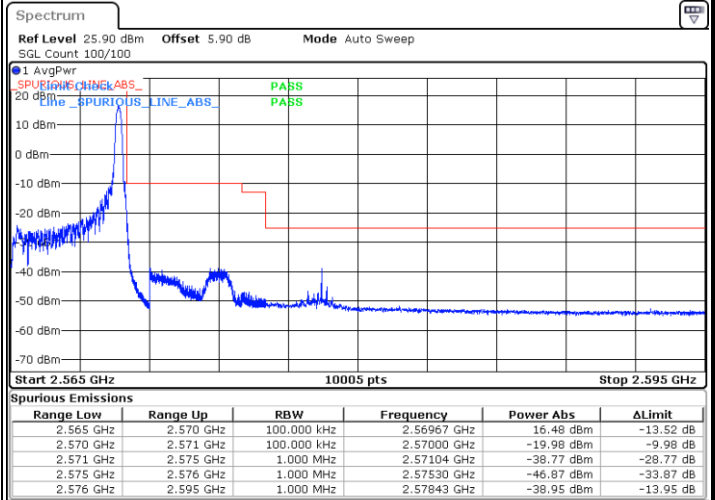
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



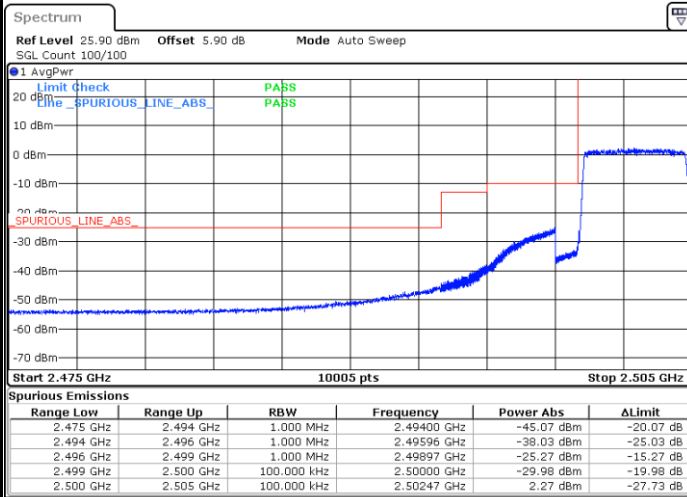
Date: 8 MAY 2021 14:38:42

Highest Band Edge / 1 RB



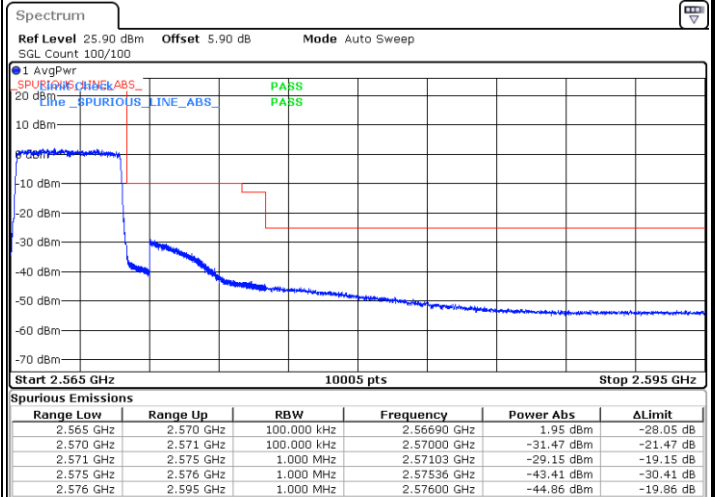
Date: 8 MAY 2021 14:40:59

Lowest Band Edge / Full RB



Date: 8 MAY 2021 14:39:51

Highest Band Edge / Full RB

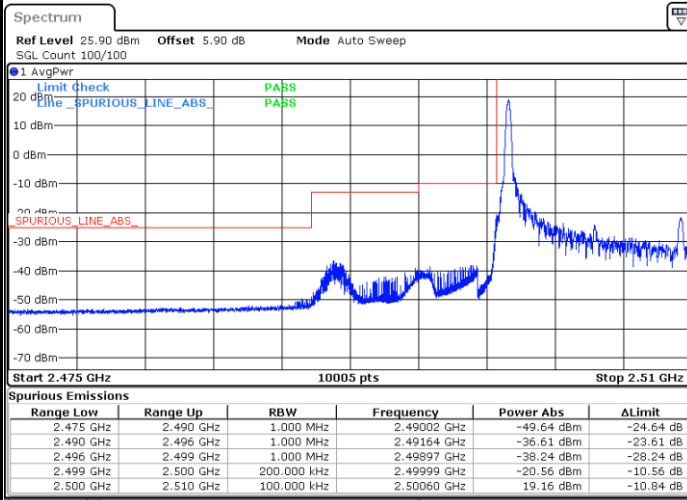


Date: 8 MAY 2021 14:42:07



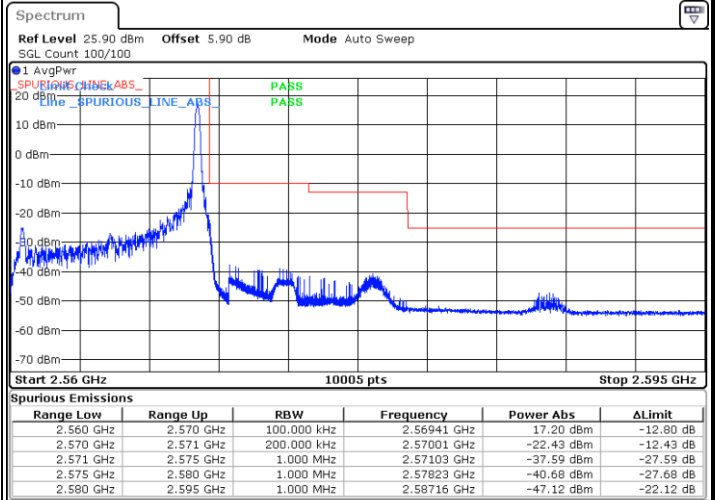
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



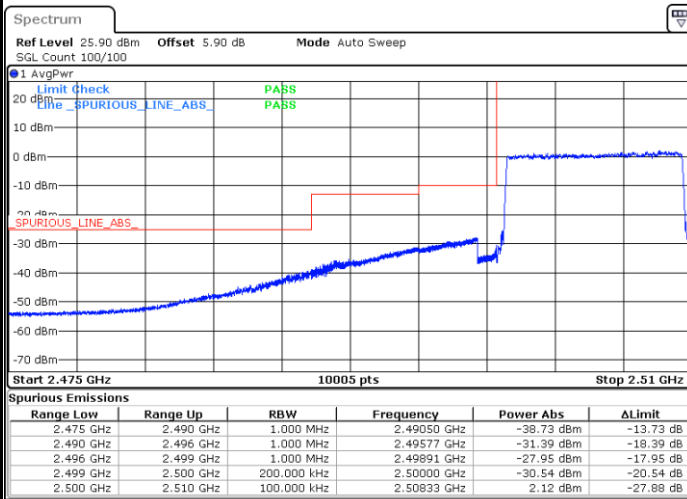
Date: 8 MAY 2021 13:32:03

Highest Band Edge / 1 RB



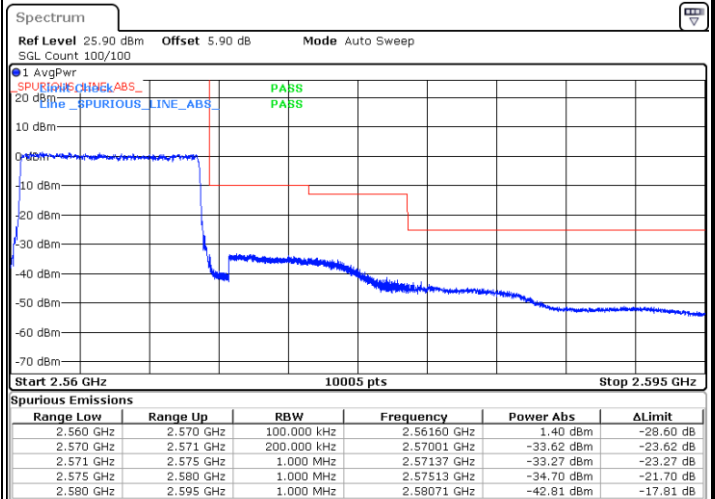
Date: 8 MAY 2021 13:39:59

Lowest Band Edge / Full RB



Date: 8 MAY 2021 13:35:27

Highest Band Edge / Full RB



Date: 8 MAY 2021 13:36:35