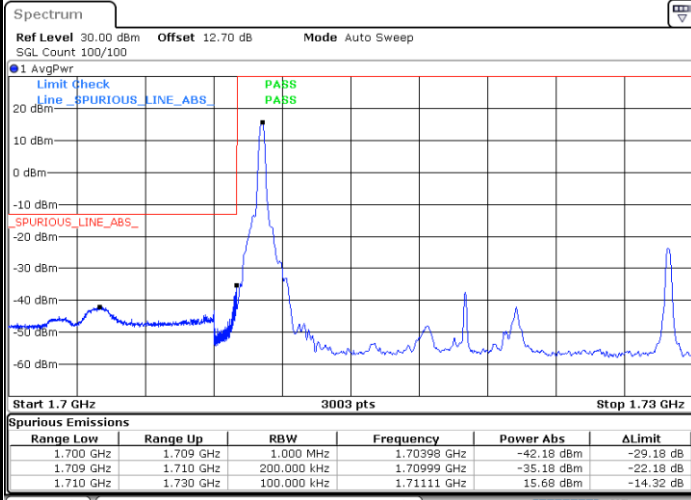


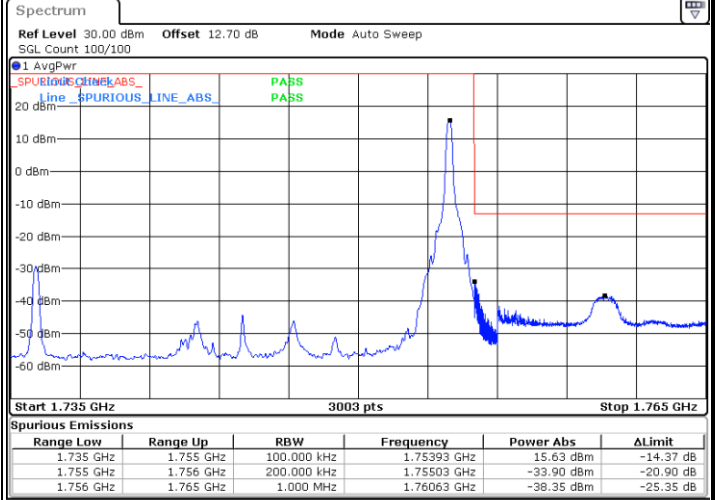


LTE Band 4 / 20MHz / QPSK

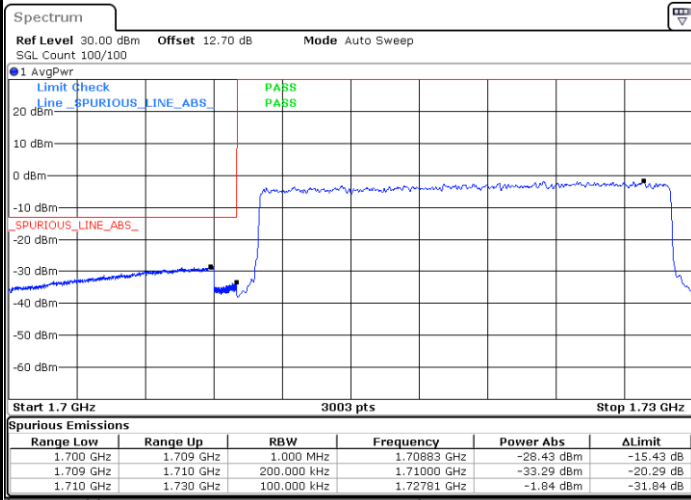
Lowest Band Edge / 1 RB



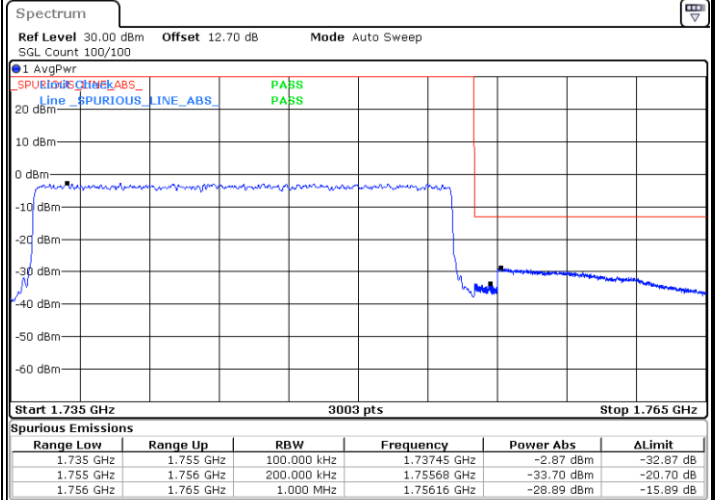
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



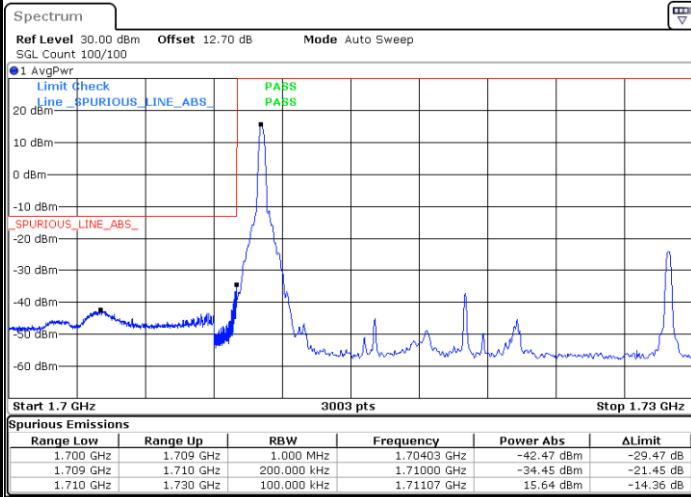
Highest Band Edge / Full RB





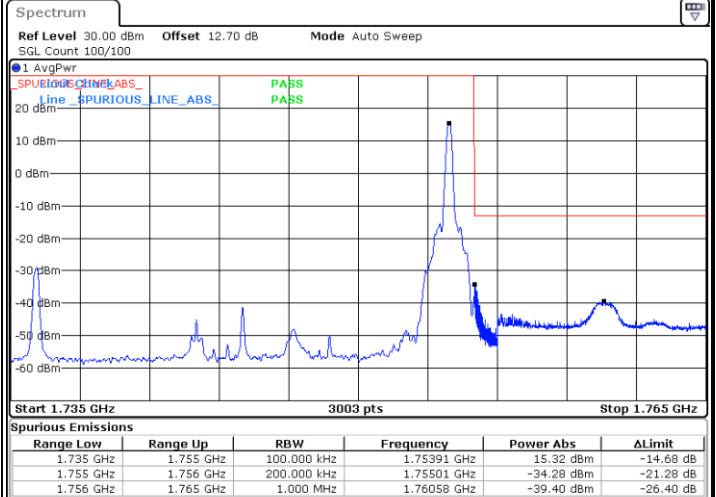
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



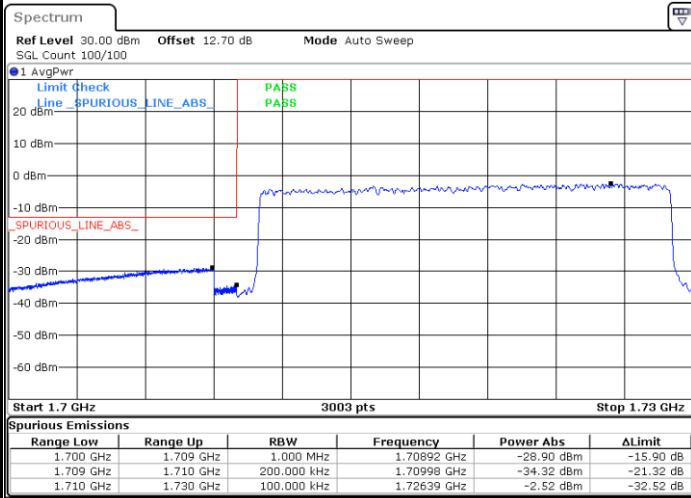
Date: 25.FEB.2021 02:04:31

Highest Band Edge / 1 RB



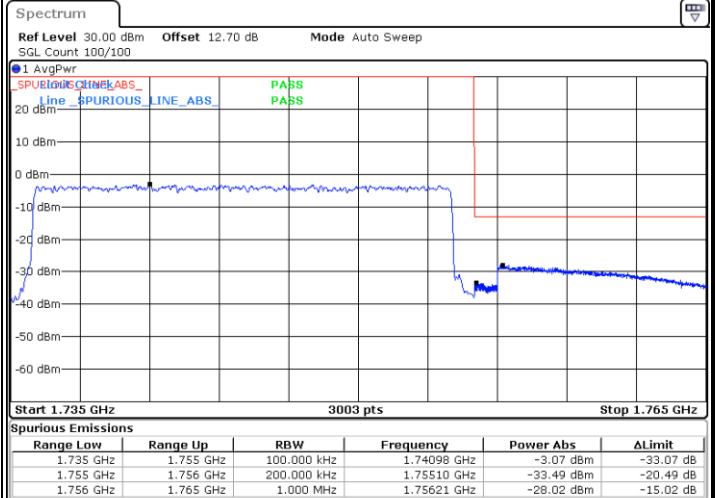
Date: 25.FEB.2021 02:20:25

Lowest Band Edge / Full RB



Date: 25.FEB.2021 02:05:29

Highest Band Edge / Full RB

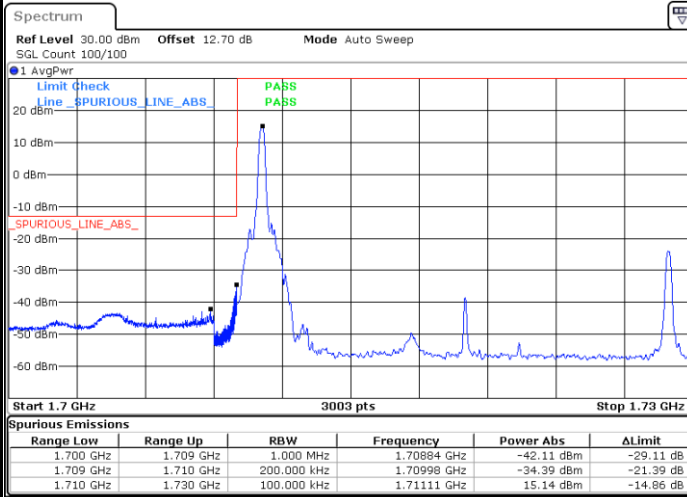


Date: 25.FEB.2021 02:21:23



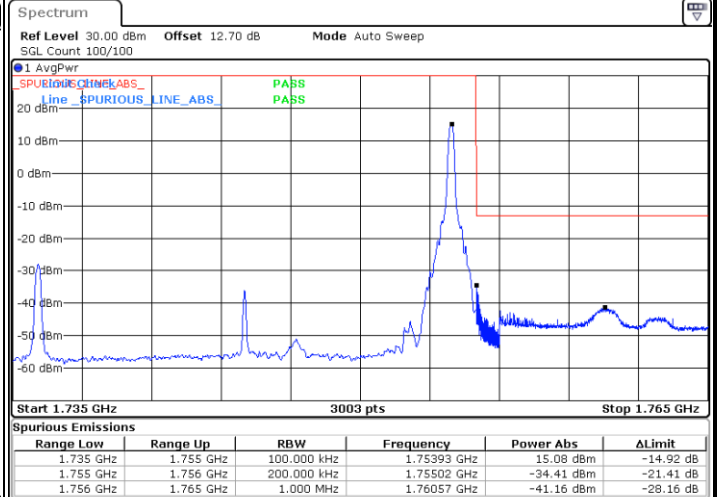
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



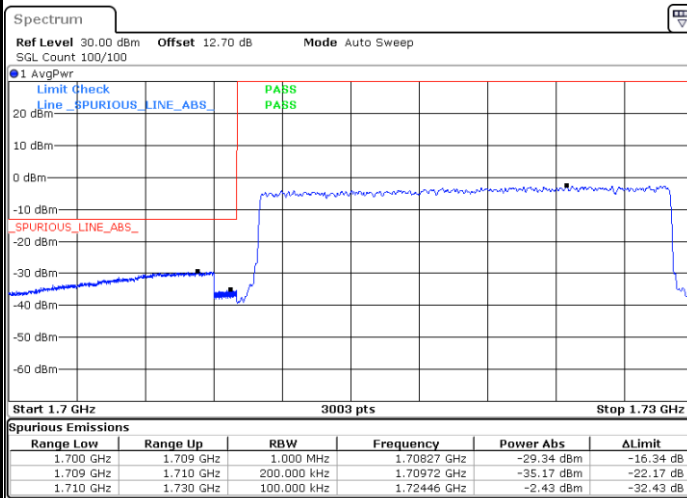
Date: 25.FEB.2021 02:23:25

Highest Band Edge / 1 RB



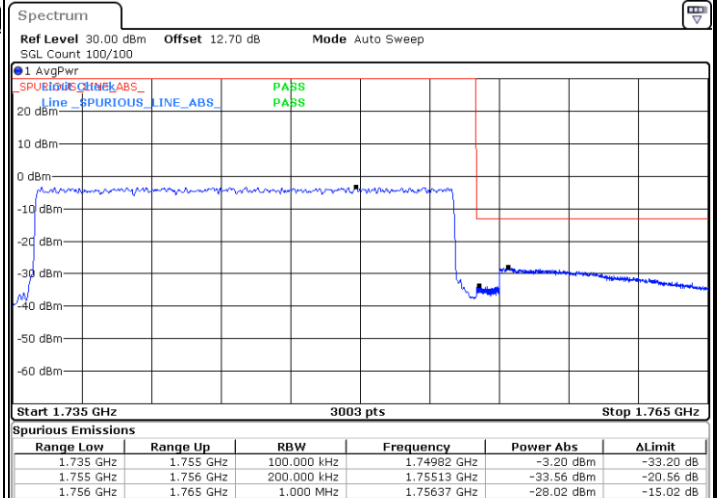
Date: 25.FEB.2021 02:34:41

Lowest Band Edge / Full RB



Date: 25.FEB.2021 02:23:54

Highest Band Edge / Full RB



Date: 25.FEB.2021 02:35:10

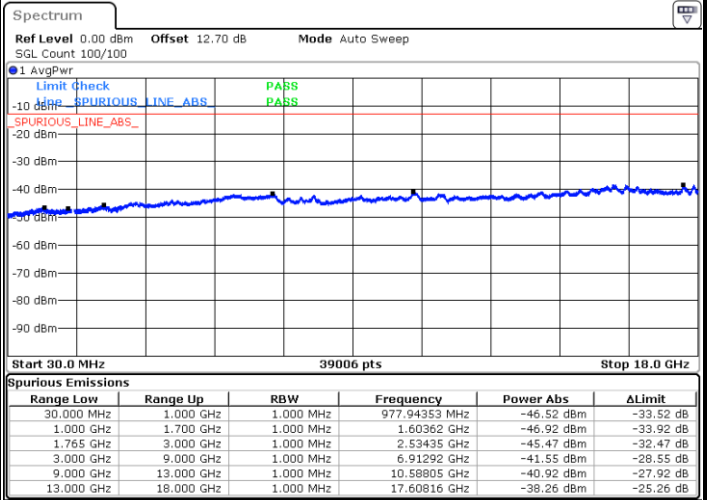
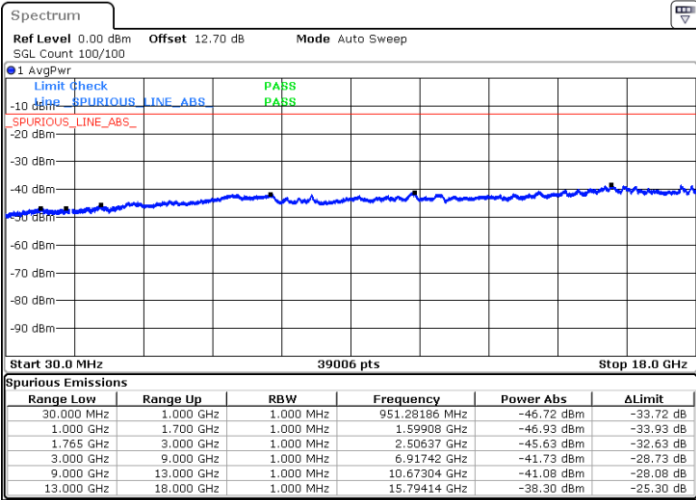


Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

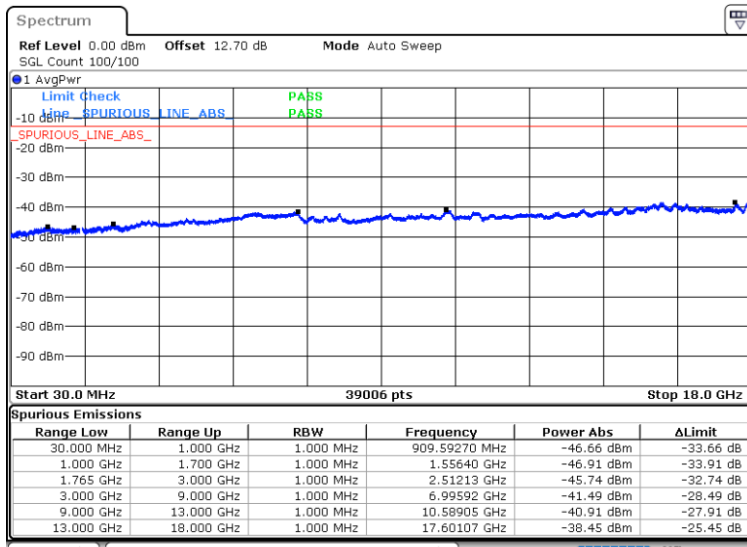
Middle Channel / QPSK



Date: 23.FEB.2021 20:03:55

Date: 23.FEB.2021 20:07:15

Highest Channel / QPSK



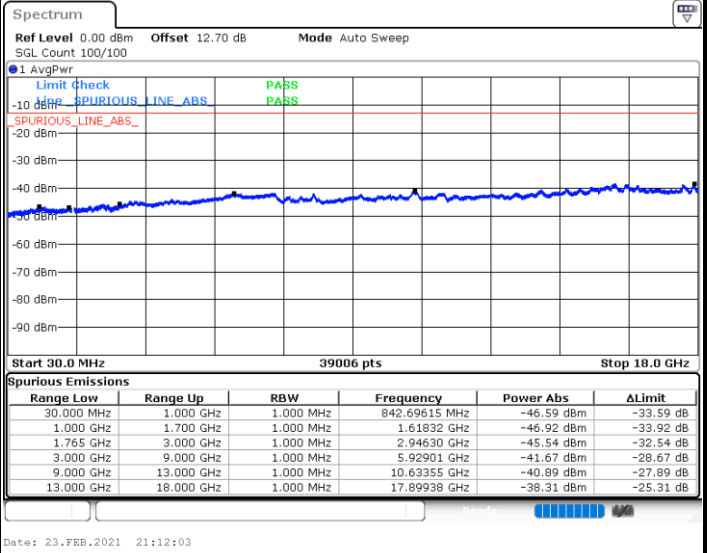
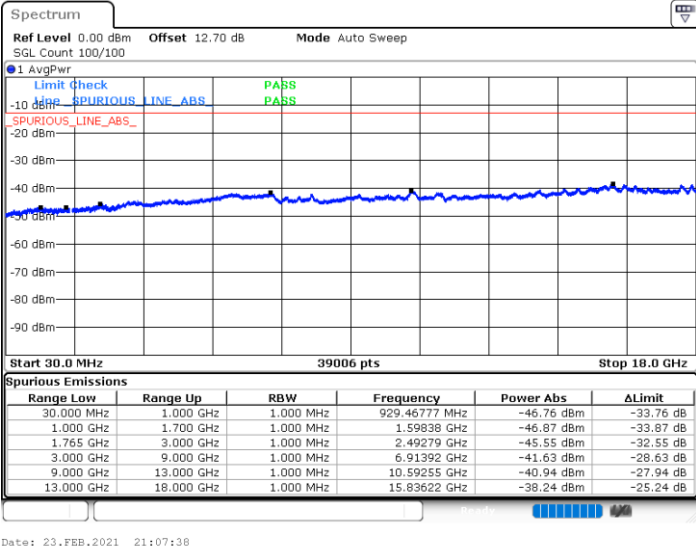
Date: 23.FEB.2021 20:18:54



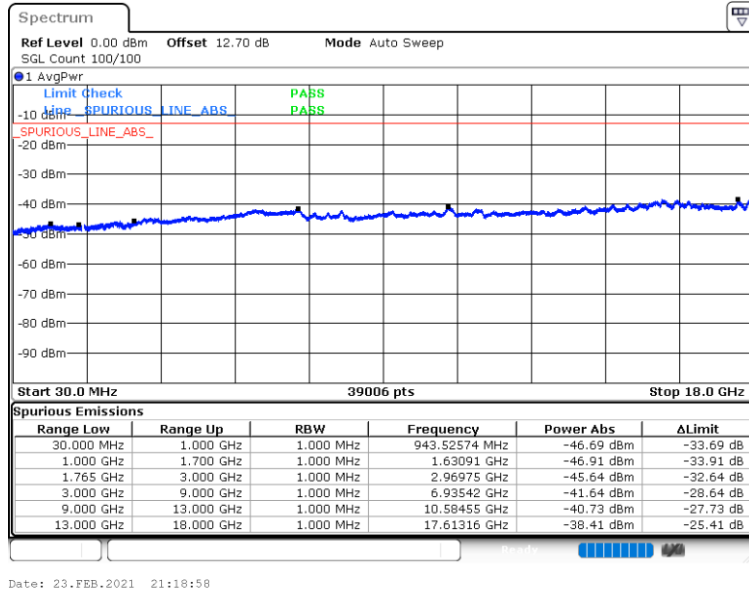
LTE Band 4 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

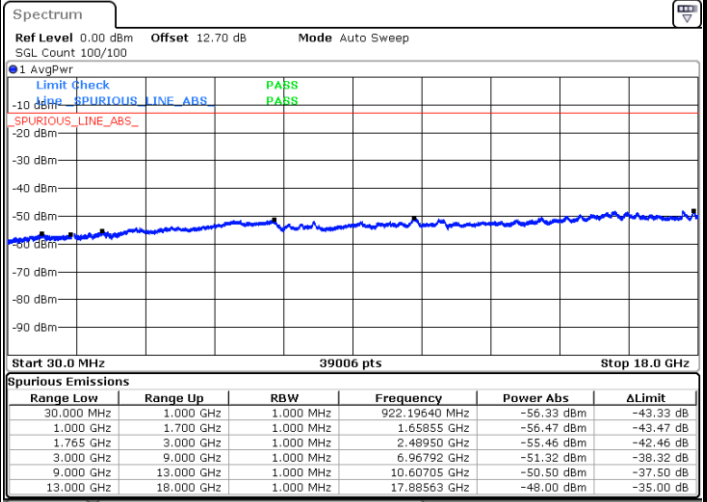
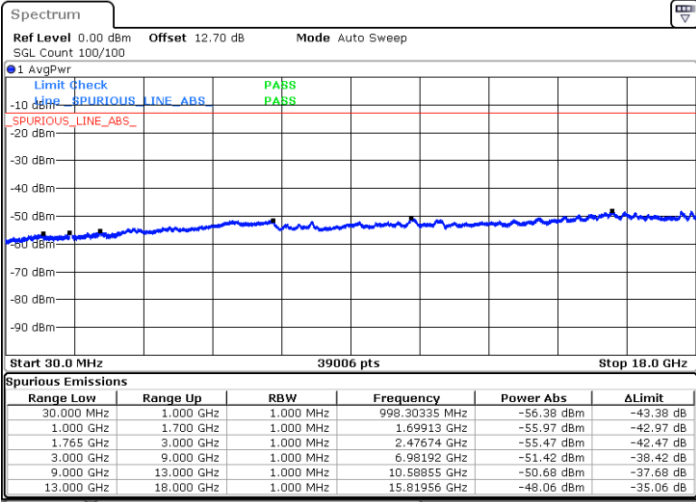




LTE Band 4 / 5MHz

Lowest Channel / QPSK

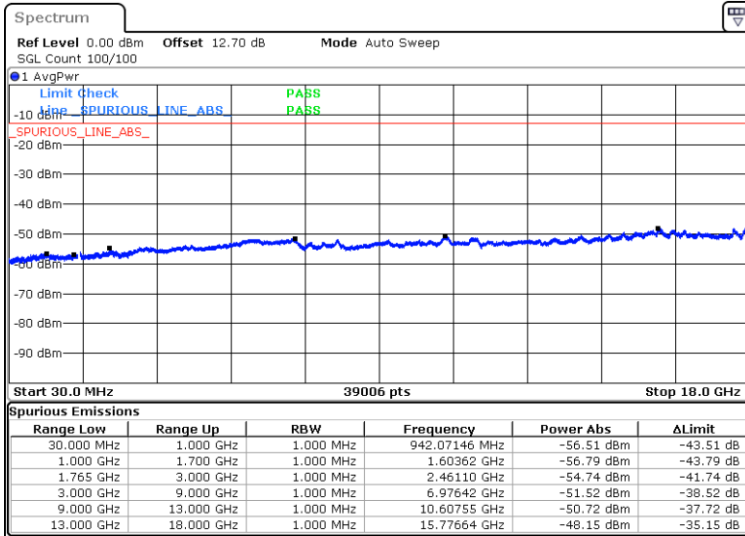
Middle Channel / QPSK



Date: 24.FEB.2021 20:10:25

Date: 24.FEB.2021 21:46:26

Highest Channel / QPSK



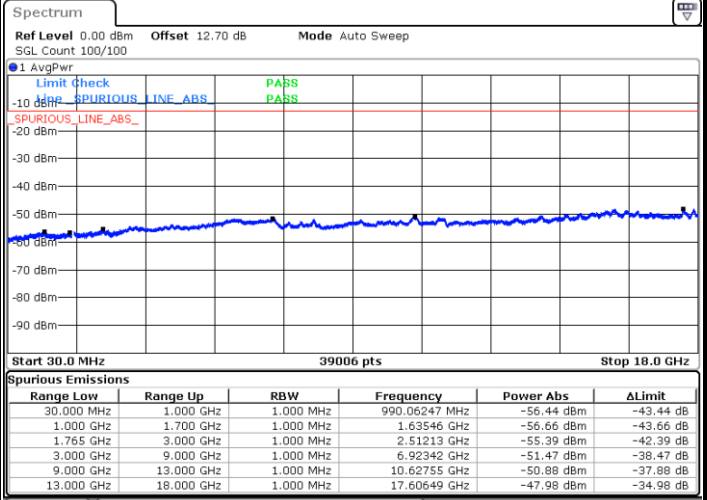
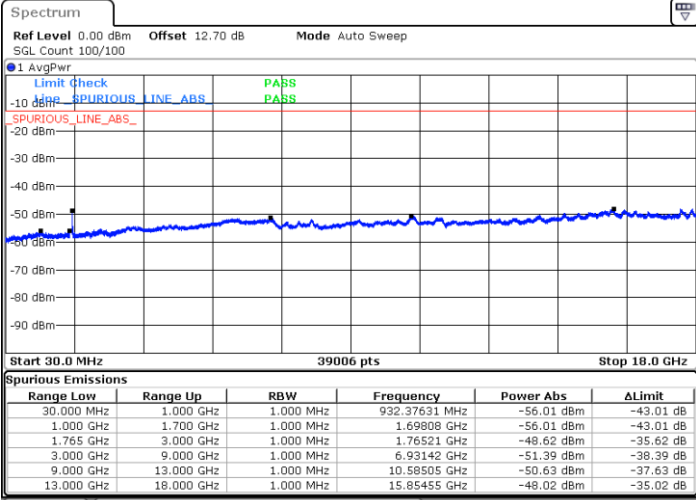
Date: 24.FEB.2021 22:13:22



LTE Band 4 / 10MHz

Lowest Channel / QPSK

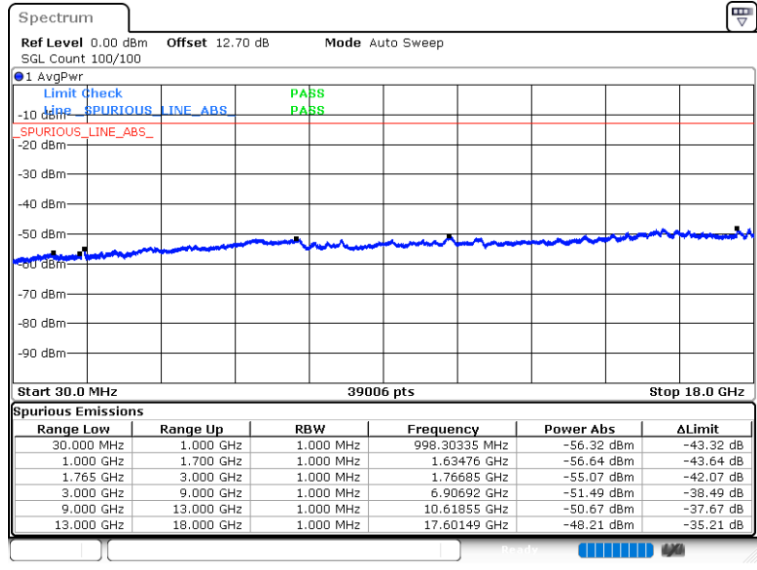
Middle Channel / QPSK



Date: 24.FEB.2021 22:19:39

Date: 24.FEB.2021 23:26:07

Highest Channel / QPSK



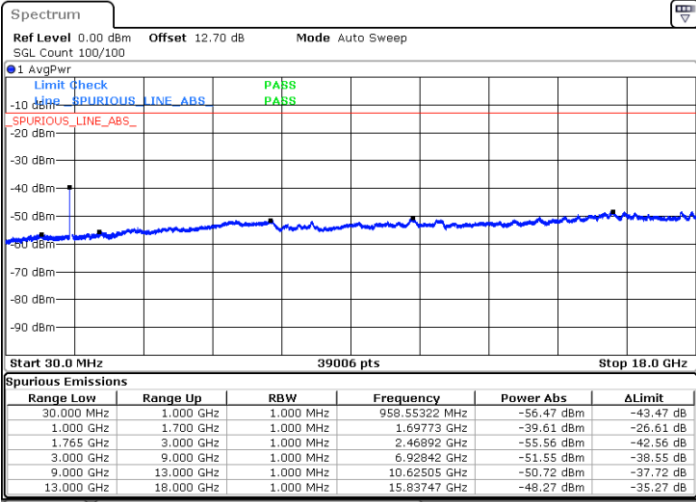
Date: 24.FEB.2021 23:29:37



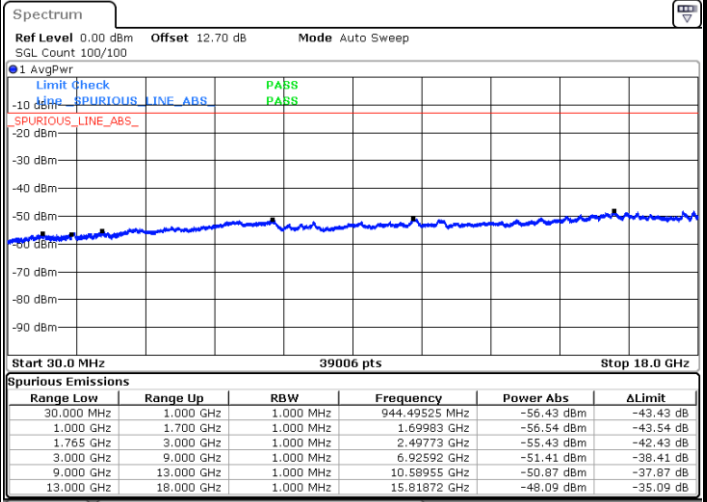
LTE Band 4 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

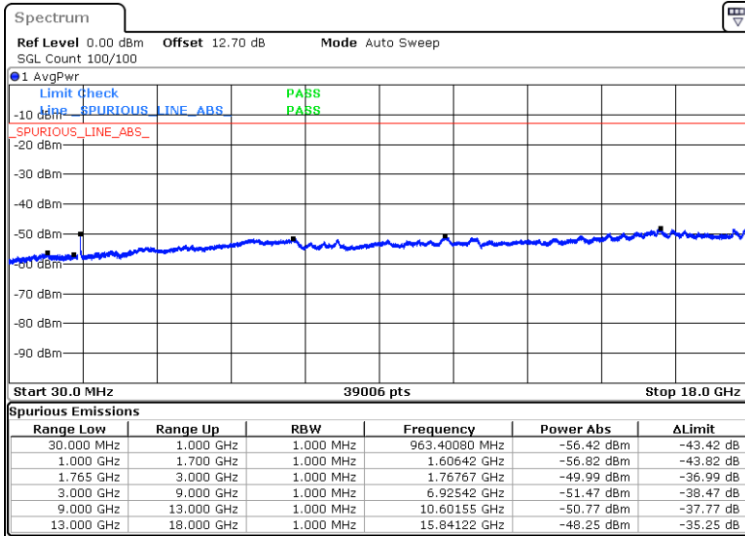


Date: 25.FEB.2021 01:44:59



Date: 25.FEB.2021 01:48:17

Highest Channel / QPSK



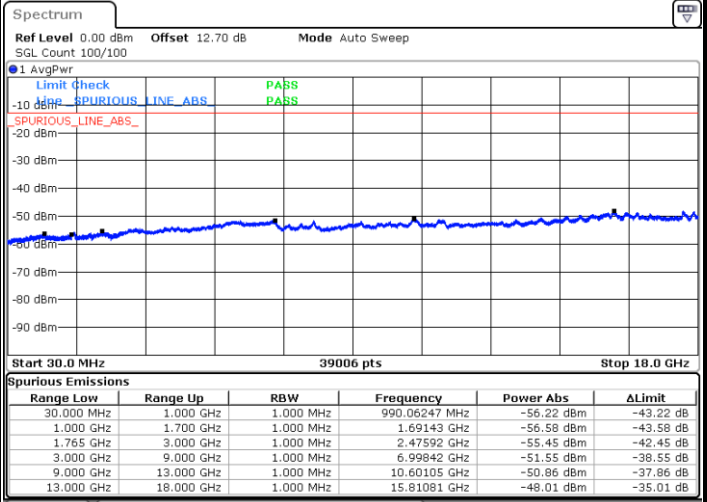
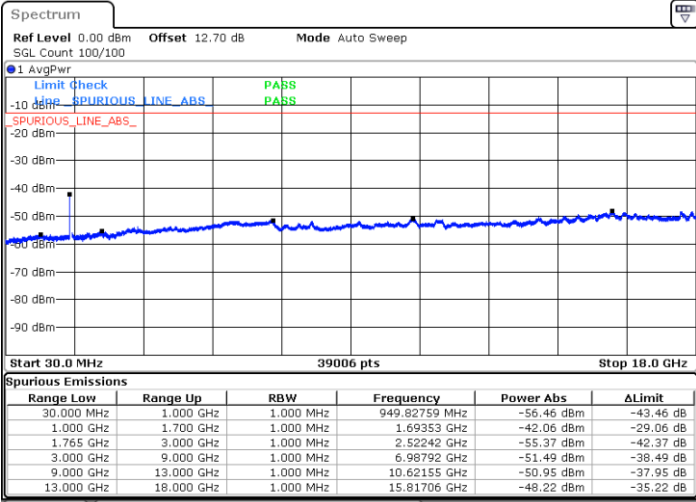
Date: 25.FEB.2021 01:55:05



LTE Band 4 / 20MHz

Lowest Channel / QPSK

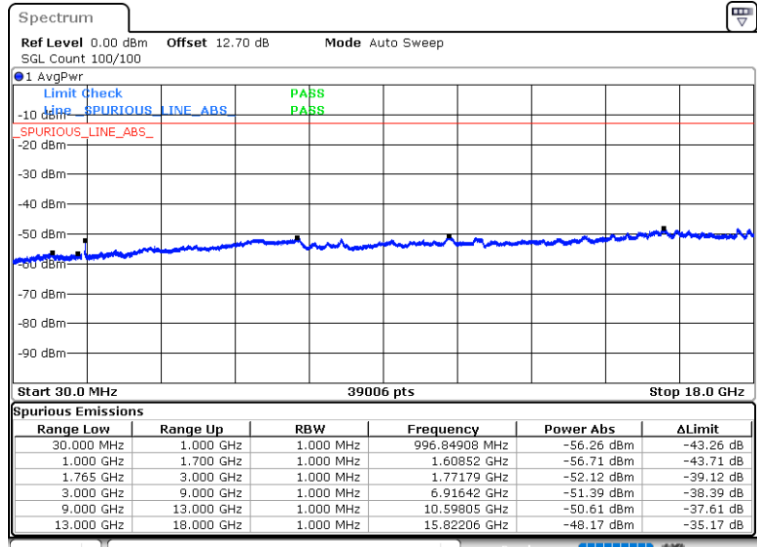
Middle Channel / QPSK



Date: 25.FEB.2021 02:06:23

Date: 25.FEB.2021 02:17:05

Highest Channel / QPSK



Date: 25.FEB.2021 02:22:17



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	0.0016	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0031	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0040	
-20	Normal Voltage	0.0068	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0053	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0045	

Note:

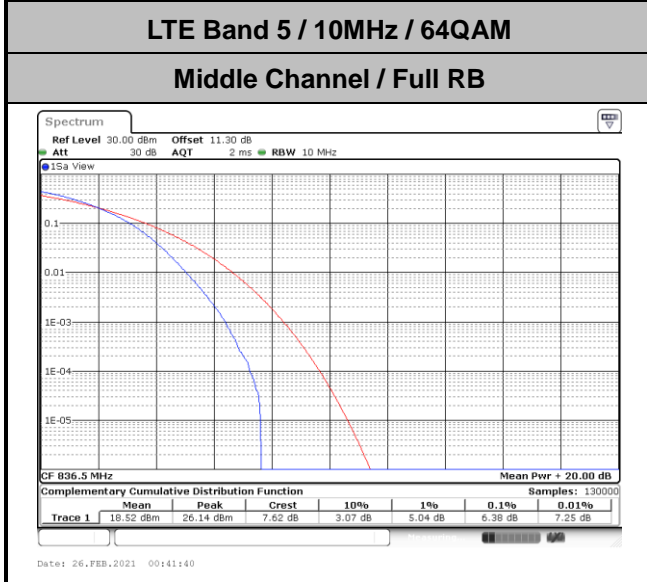
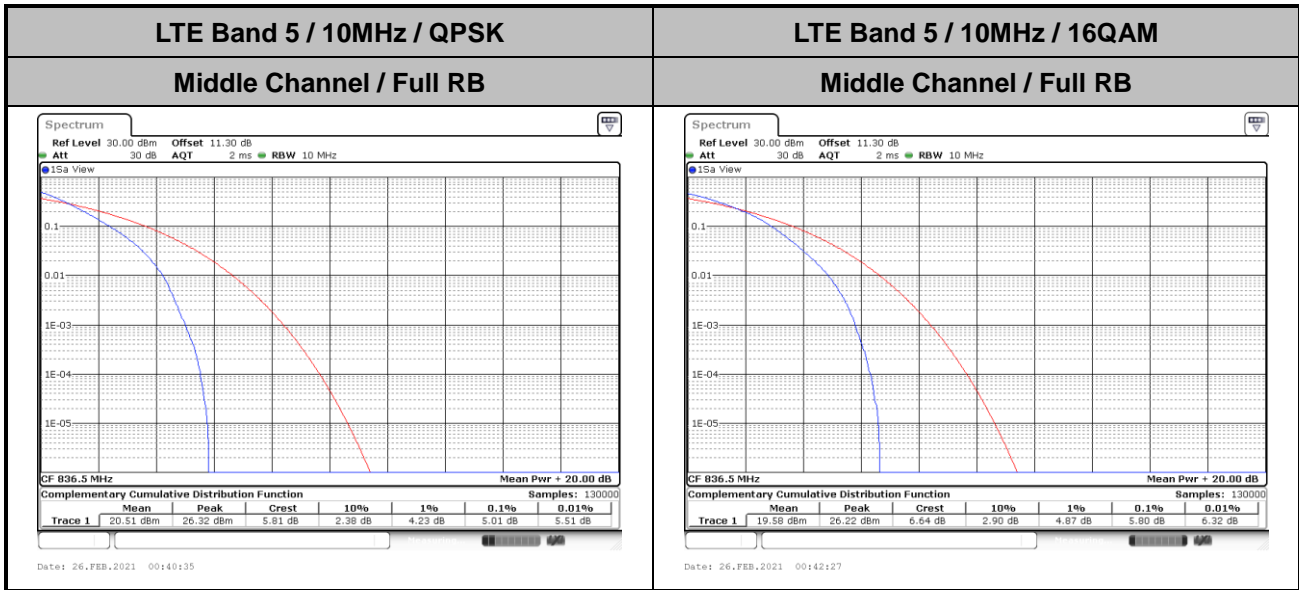
- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.01	5.80	6.38	-	PASS





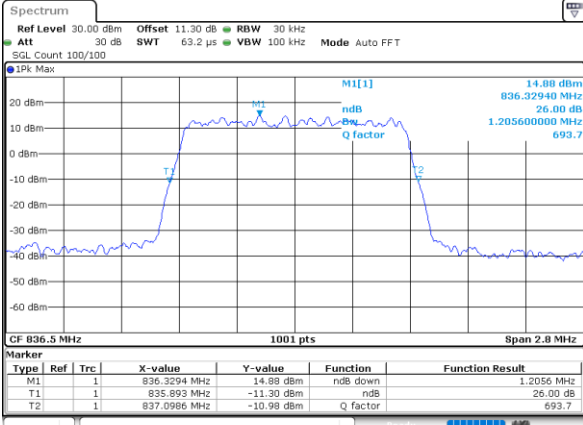
26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.21	1.23	3.02	3.07	4.91	4.98	9.79	9.67	-	-	-	-
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.22	-	2.96	-	4.93	-	9.81	-	-	-	-	-



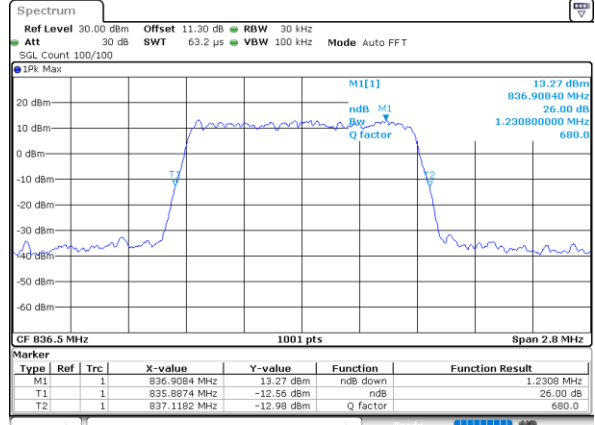
LTE Band 5

Middle Channel / 1.4MHz / QPSK



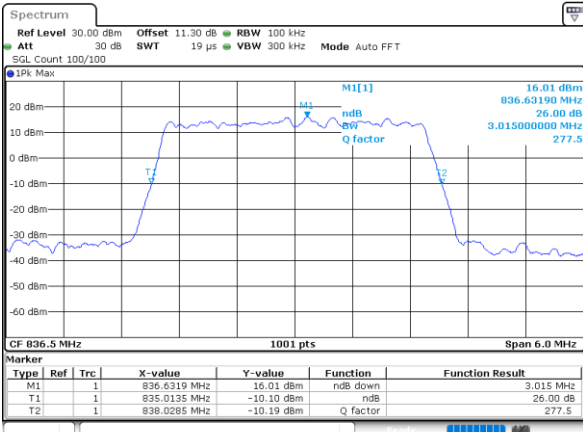
Date: 25.FEB.2021 19:22:48

Middle Channel / 1.4MHz / 16QAM



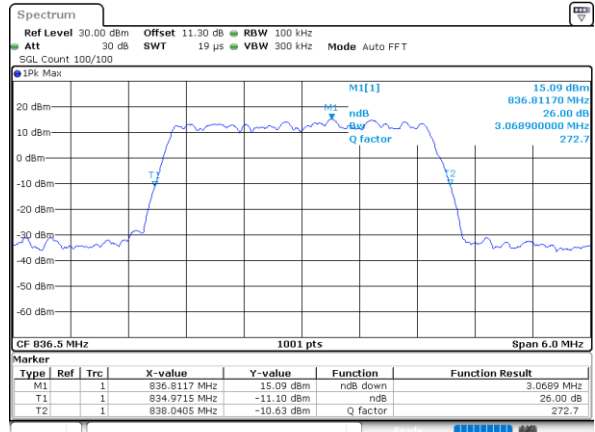
Date: 25.FEB.2021 19:23:14

Middle Channel / 3MHz / QPSK



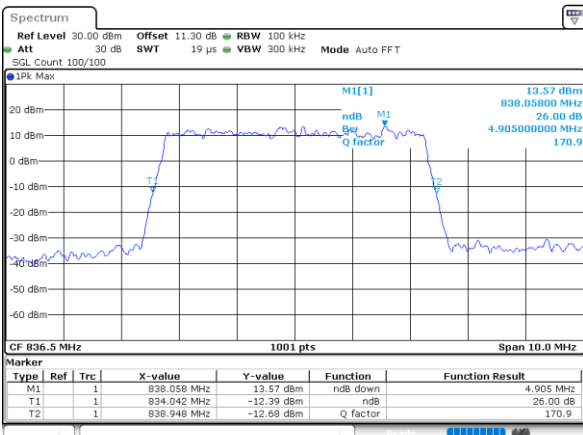
Date: 25.FEB.2021 19:57:19

Middle Channel / 3MHz / 16QAM



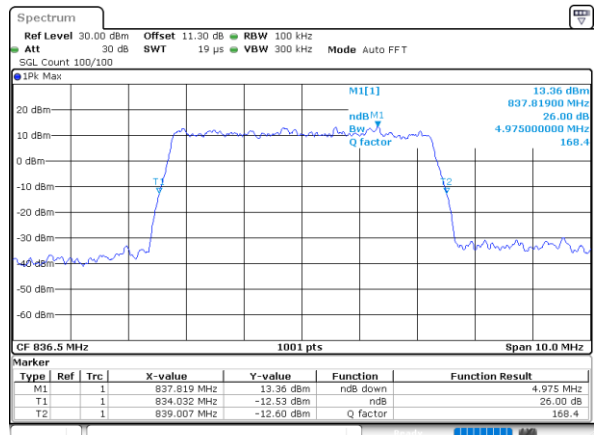
Date: 25.FEB.2021 19:57:45

Middle Channel / 5MHz / QPSK



Date: 25.FEB.2021 22:52:40

Middle Channel / 5MHz / 16QAM

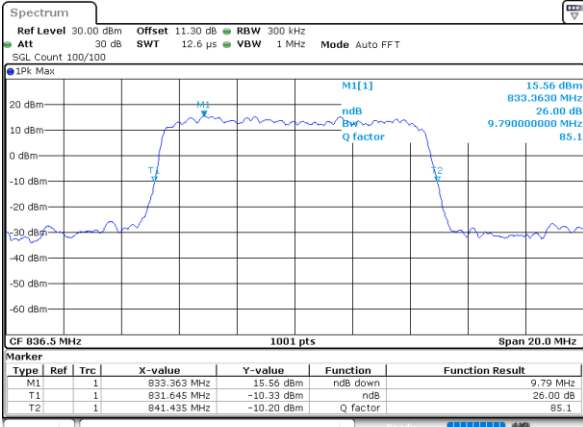


Date: 25.FEB.2021 22:52:54



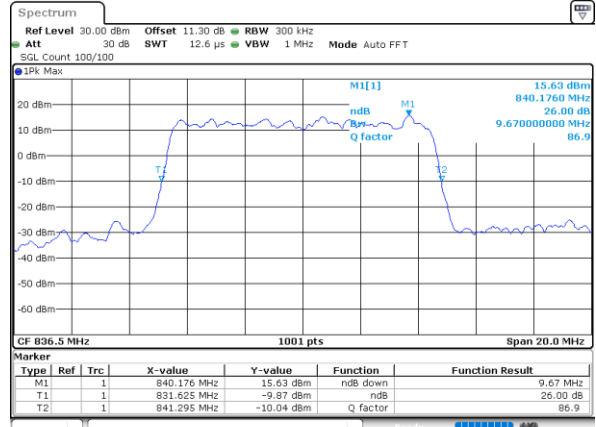
LTE Band 5

Middle Channel / 10MHz / QPSK



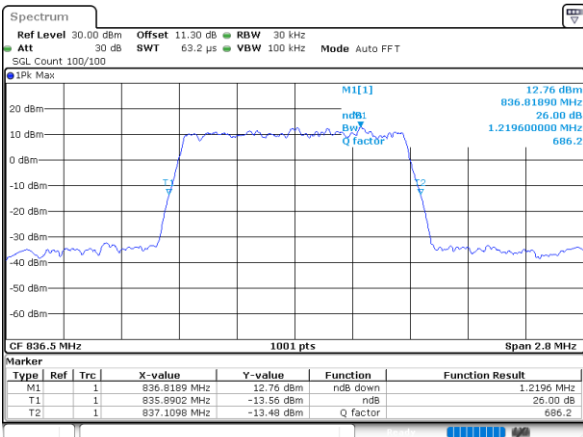
Date: 25.FEB.2021 23:43:00

Middle Channel / 10MHz / 16QAM



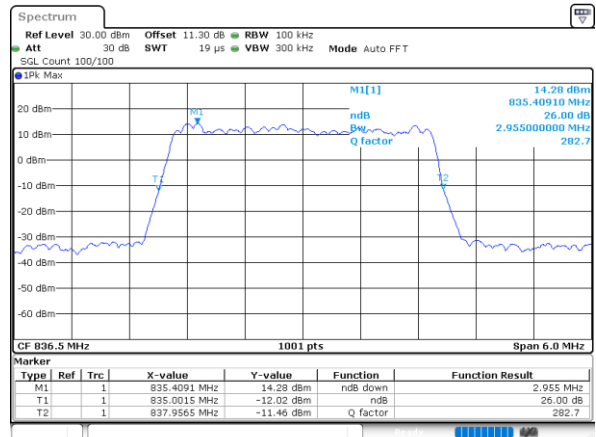
Date: 25.FEB.2021 23:43:25

Middle Channel / 1.4MHz / 64QAM



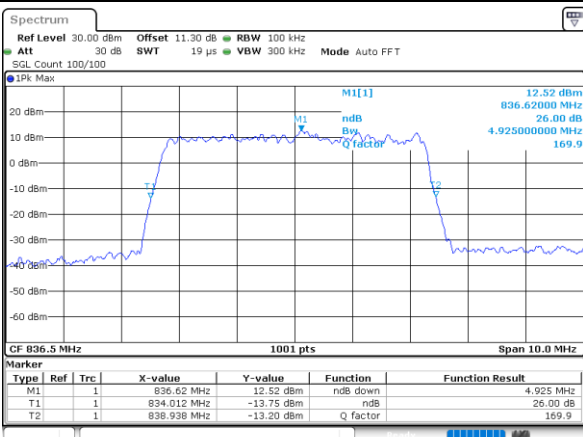
Date: 25.FEB.2021 19:40:26

Middle Channel / 3MHz / 64QAM



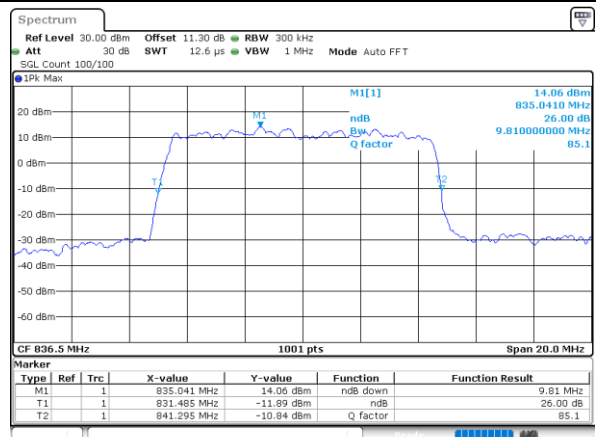
Date: 25.FEB.2021 20:13:09

Middle Channel / 5MHz / 64QAM



Date: 25.FEB.2021 23:25:25

Middle Channel / 10MHz / 64QAM



Date: 26.FEB.2021 00:32:26



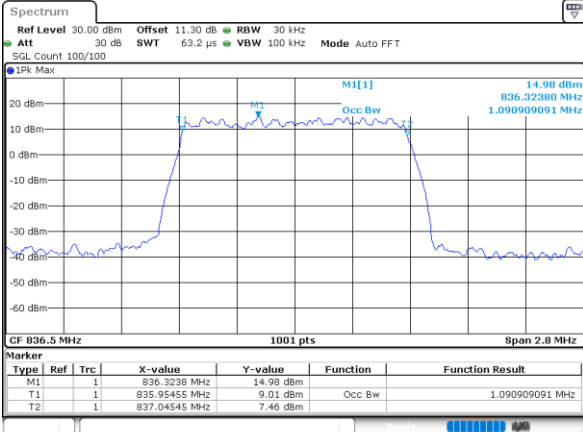
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.73	2.70	4.47	4.49	8.99	8.99	-	-	-	-
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	1.09	-	2.72	-	4.51	-	8.99	-	-	-	-	-



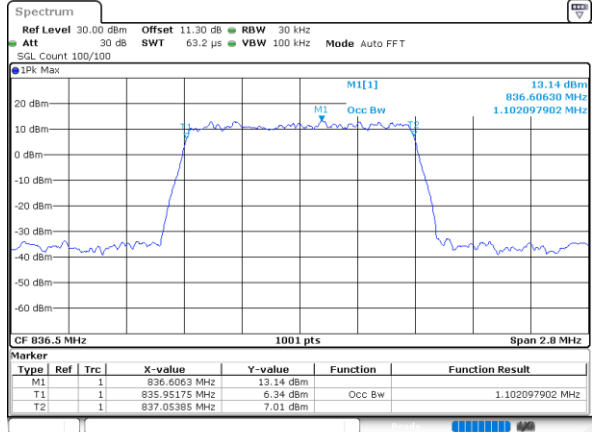
LTE Band 5

Middle Channel / 1.4MHz / QPSK



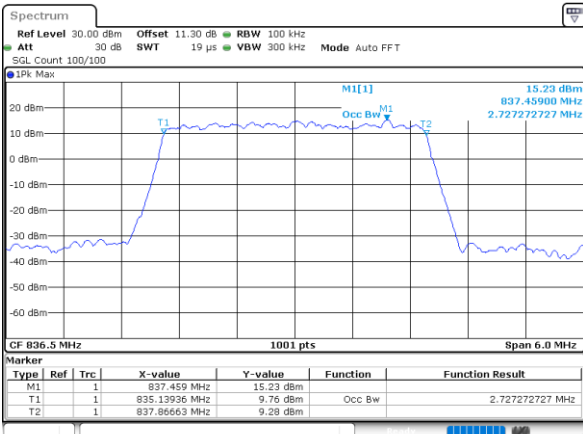
Date: 25.FEB.2021 19:21:53

Middle Channel / 1.4MHz / 16QAM



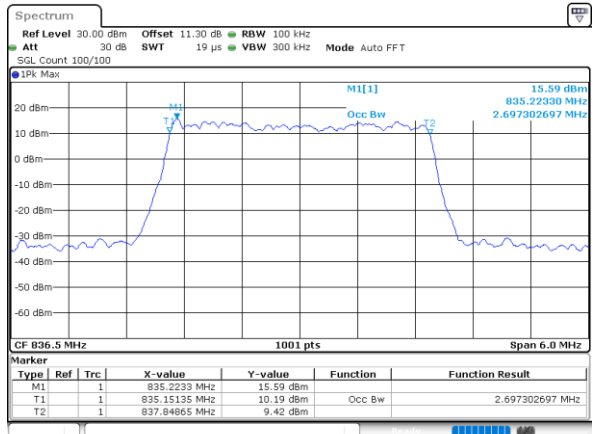
Date: 25.FEB.2021 19:22:120

Middle Channel / 3MHz / QPSK



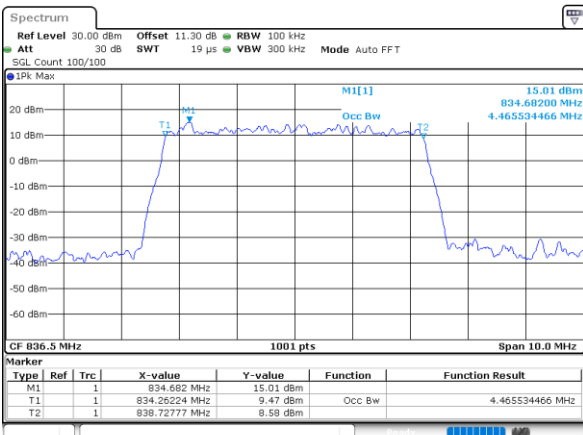
Date: 25.FEB.2021 19:56:24

Middle Channel / 3MHz / 16QAM



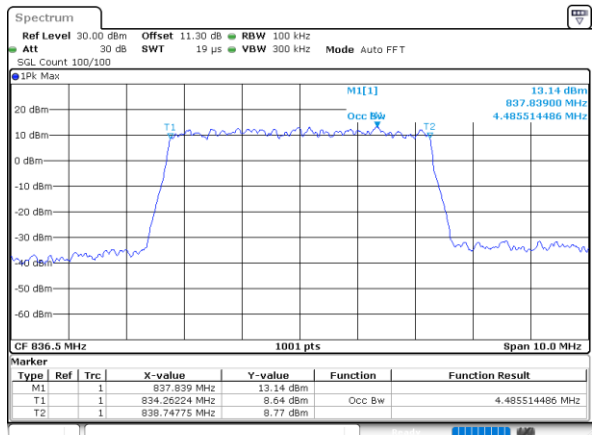
Date: 25.FEB.2021 19:56:152

Middle Channel / 5MHz / QPSK



Date: 25.FEB.2021 22:51:45

Middle Channel / 5MHz / 16QAM

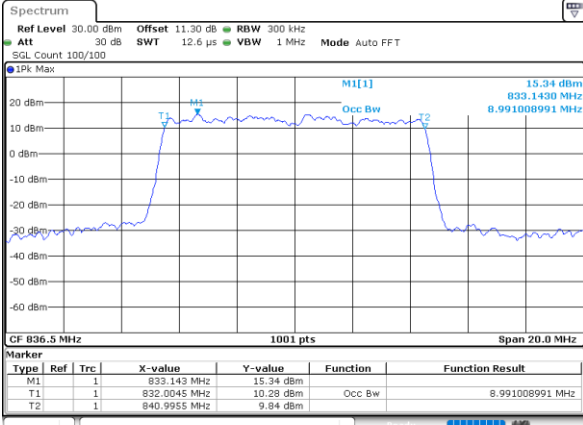


Date: 25.FEB.2021 22:52:112

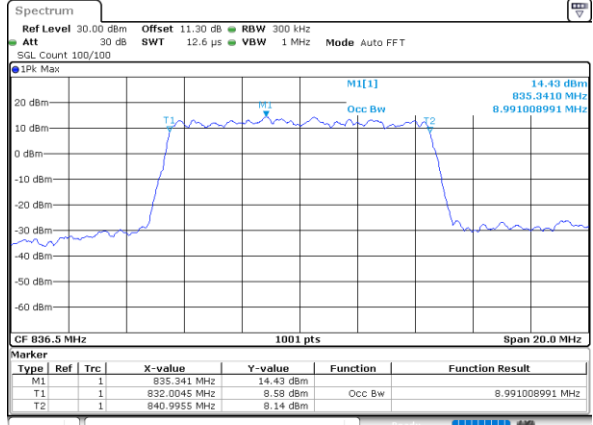


LTE Band 5

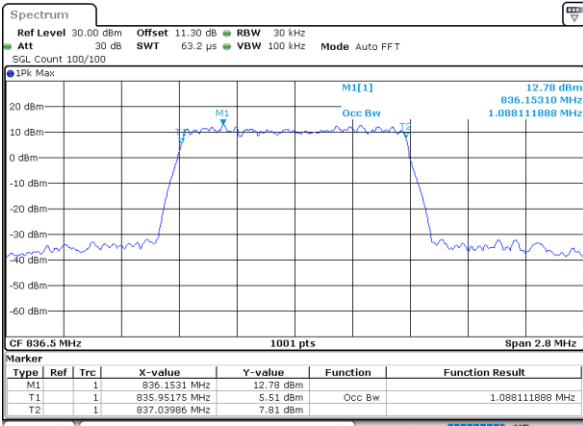
Middle Channel / 10MHz / QPSK



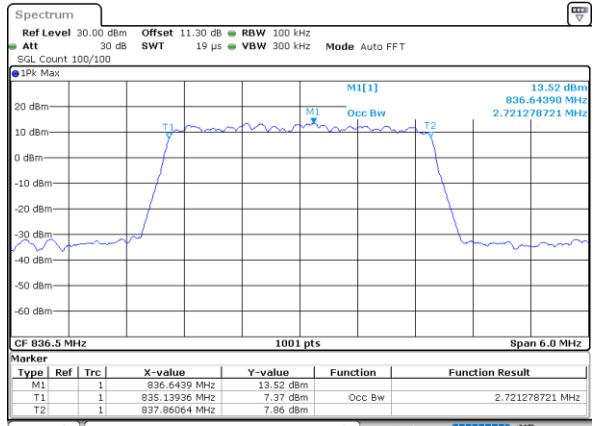
Middle Channel / 10MHz / 16QAM



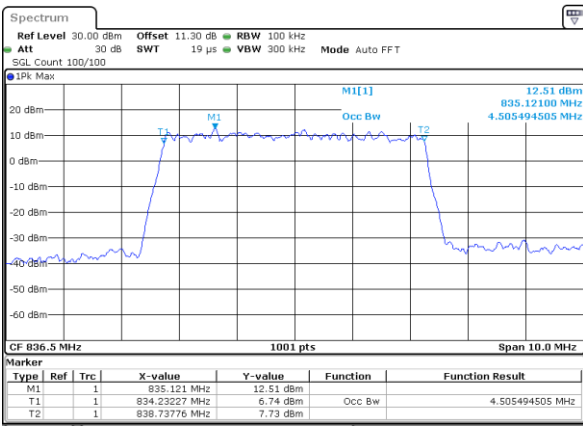
Middle Channel / 1.4MHz / 64QAM



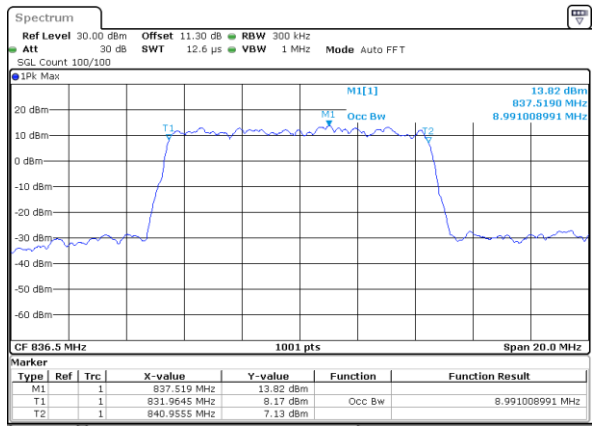
Middle Channel / 3MHz / 64QAM



Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM

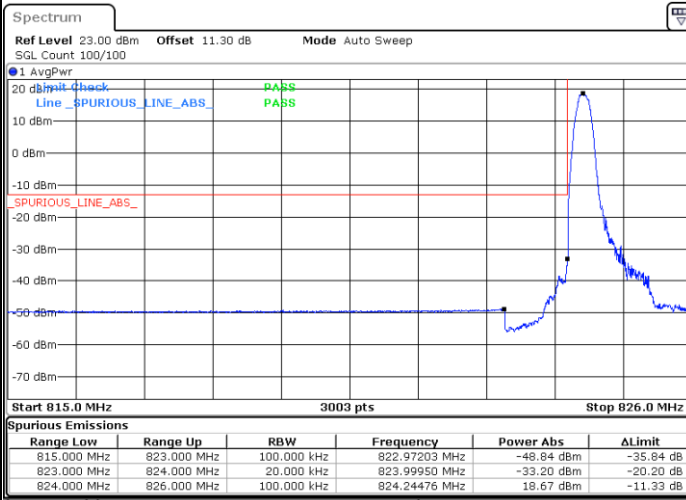




Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



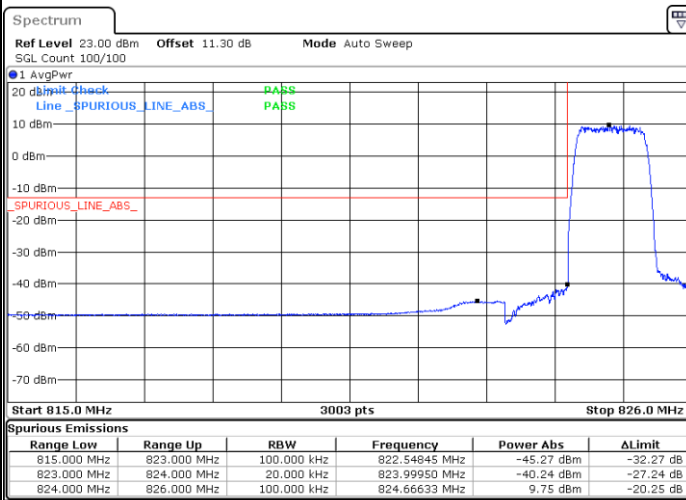
Date: 25.FEB.2021 19:14:45

Highest Band Edge / 1RB



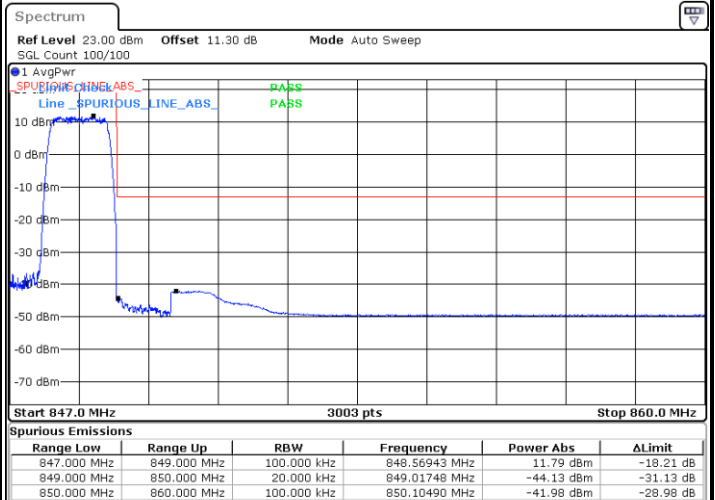
Date: 26.FEB.2021 00:54:29

Lowest Band Edge / Full RB



Date: 25.FEB.2021 19:18:34

Highest Band Edge / Full RB

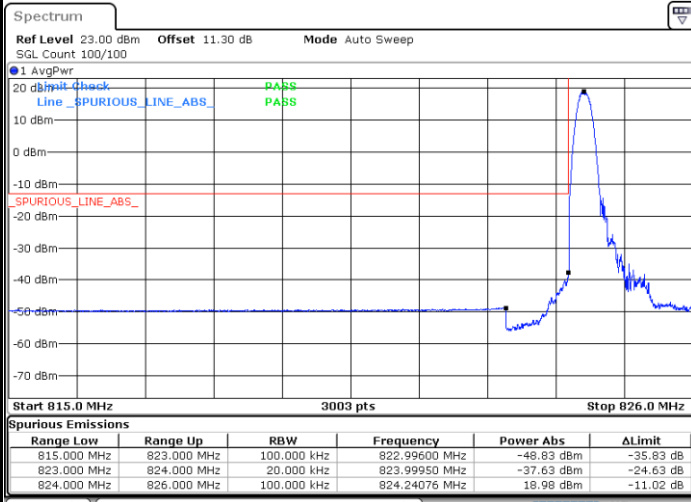


Date: 25.FEB.2021 19:26:46



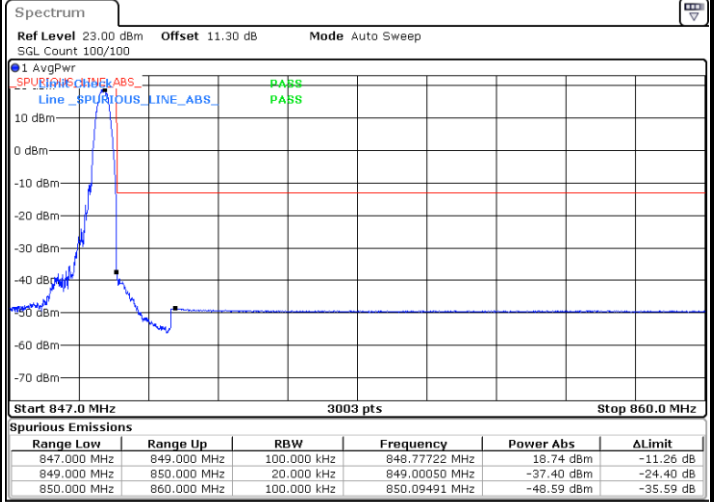
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



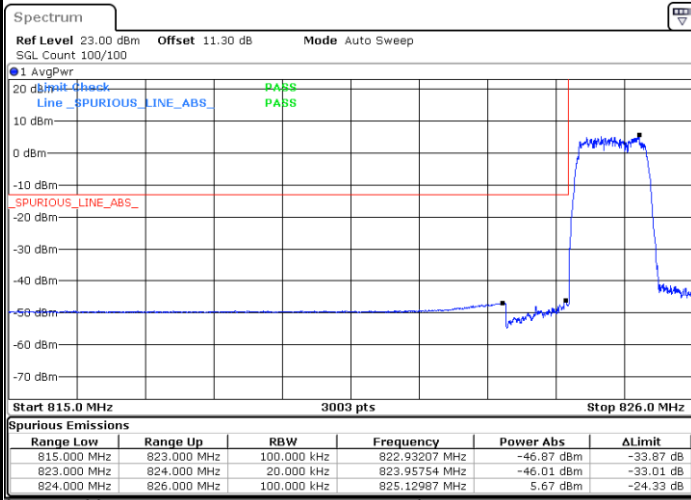
Date: 25.FEB.2021 19:16:39

Highest Band Edge / 1 RB



Date: 25.FEB.2021 19:32:29

Lowest Band Edge / Full RB



Date: 25.FEB.2021 19:20:28

Highest Band Edge / Full RB

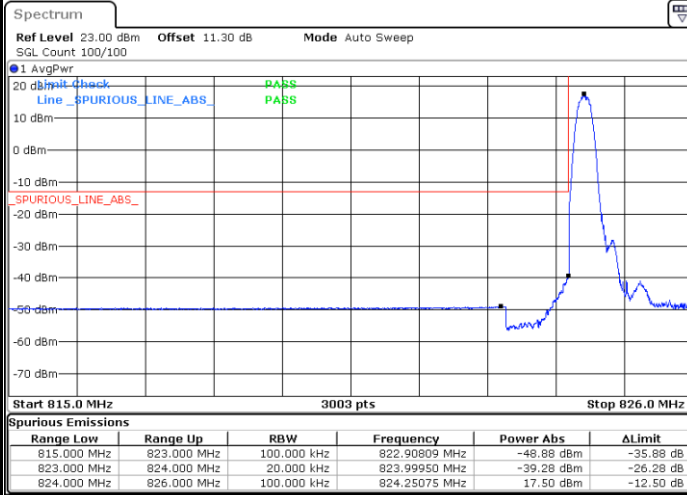


Date: 25.FEB.2021 19:28:40

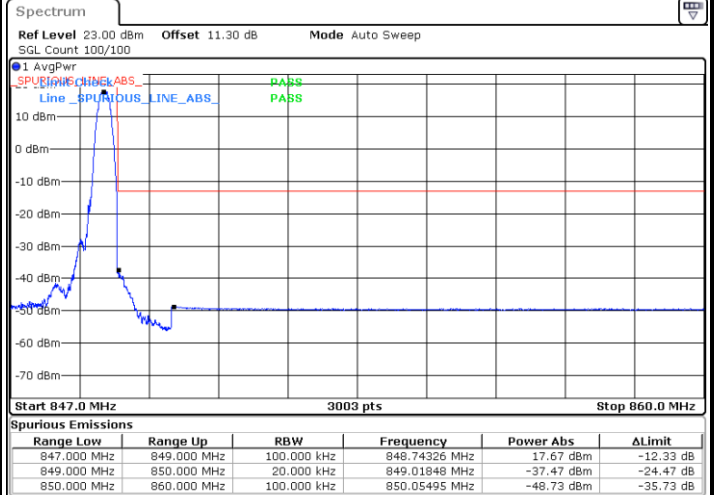


LTE Band 5 / 1.4MHz / 64QAM

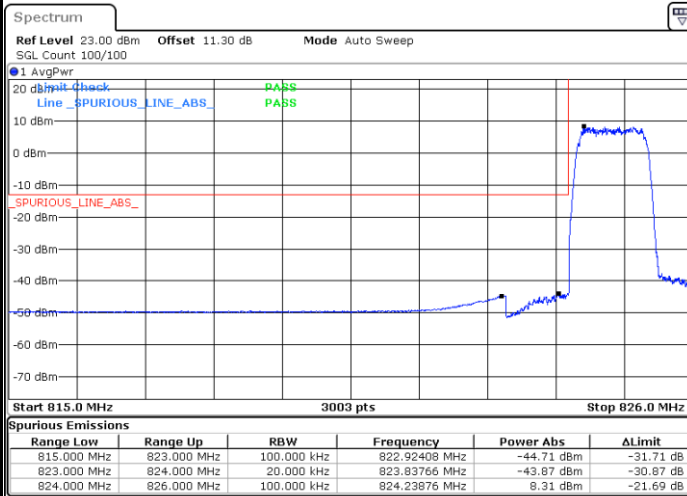
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



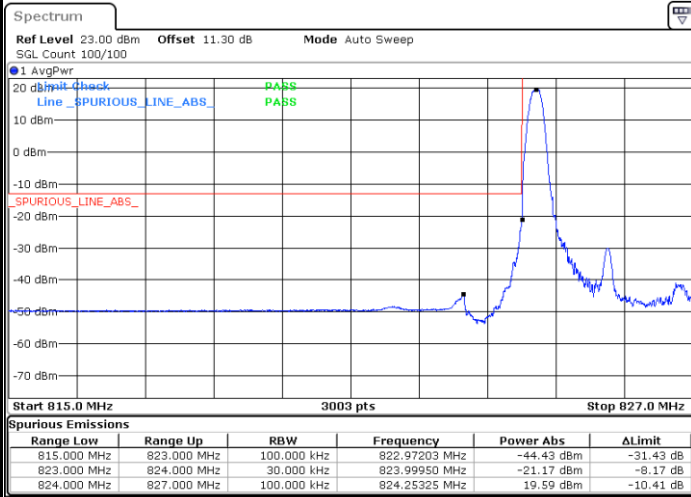
Highest Band Edge / Full RB





LTE Band 5 / 3MHz / QPSK

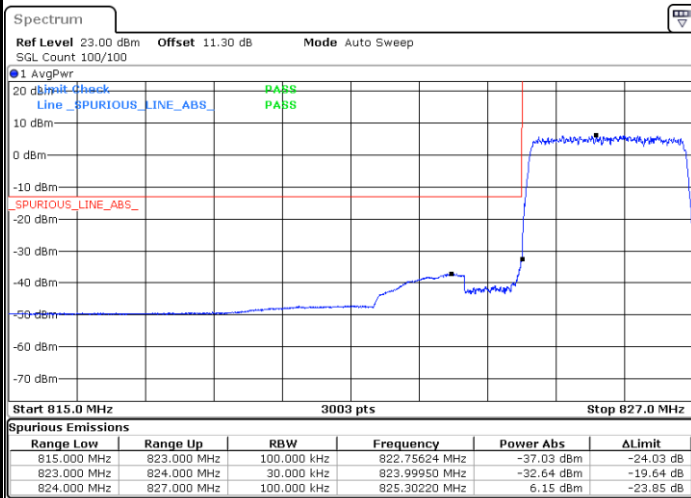
Lowest Band Edge / 1RB



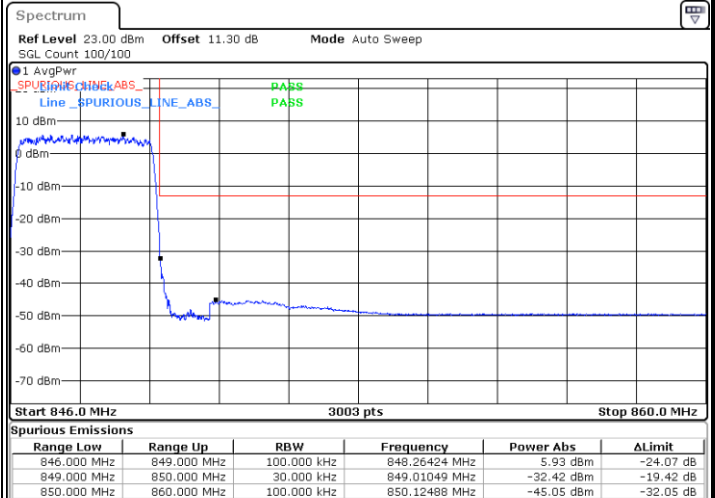
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



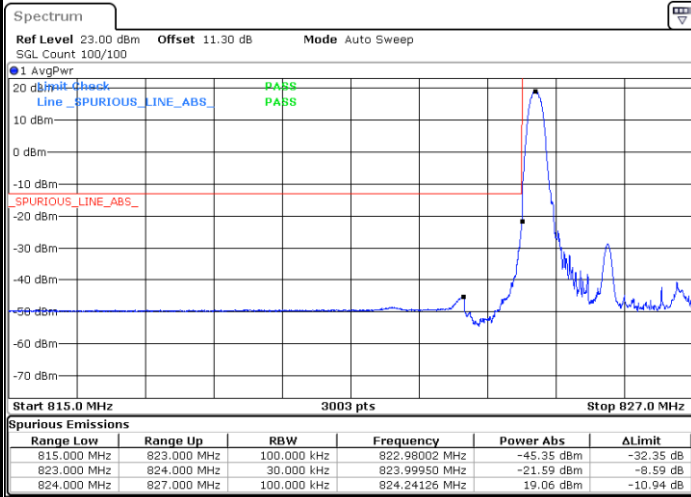
Highest Band Edge / Full RB



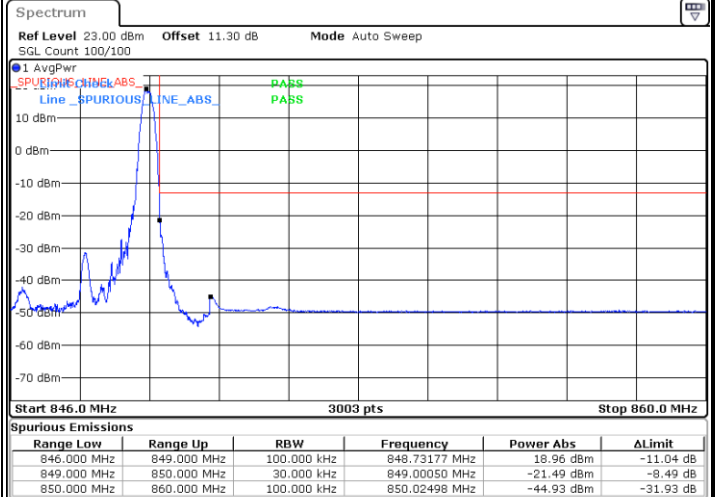


LTE Band 5 / 3MHz / 16QAM

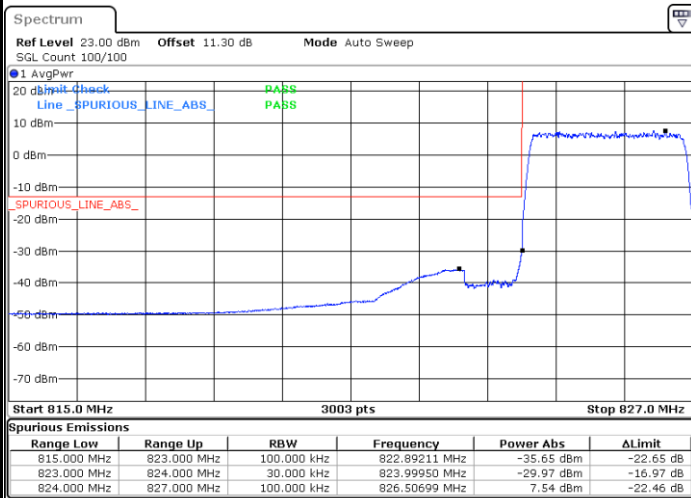
Lowest Band Edge / 1 RB



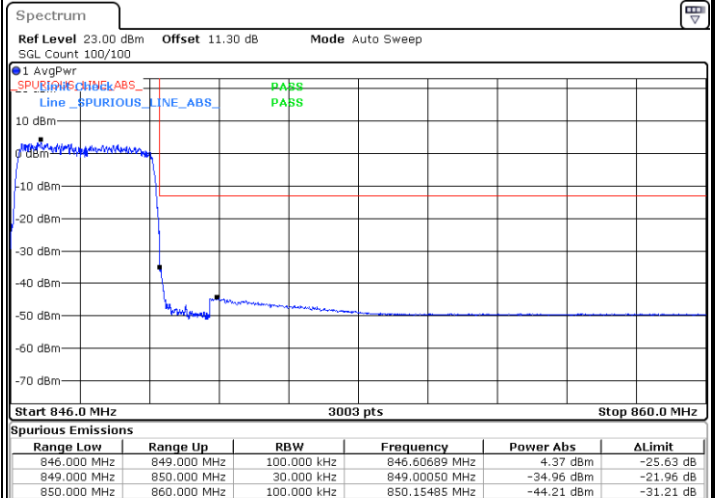
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



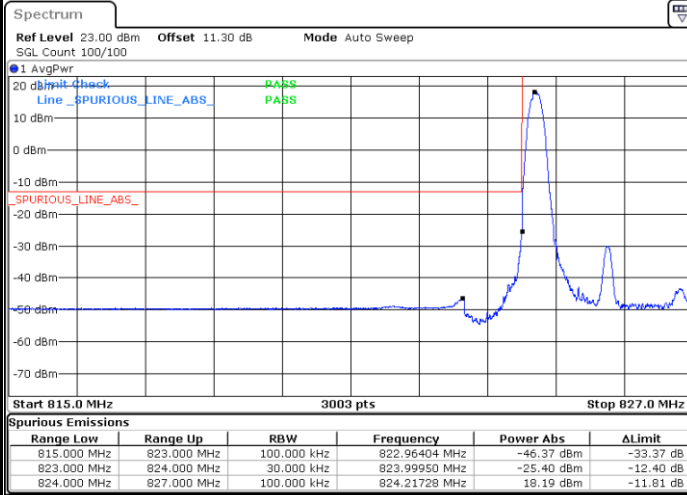
Highest Band Edge / Full RB





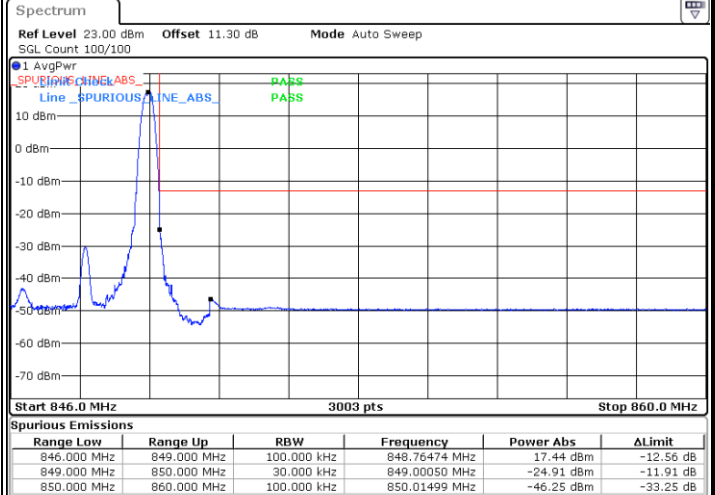
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



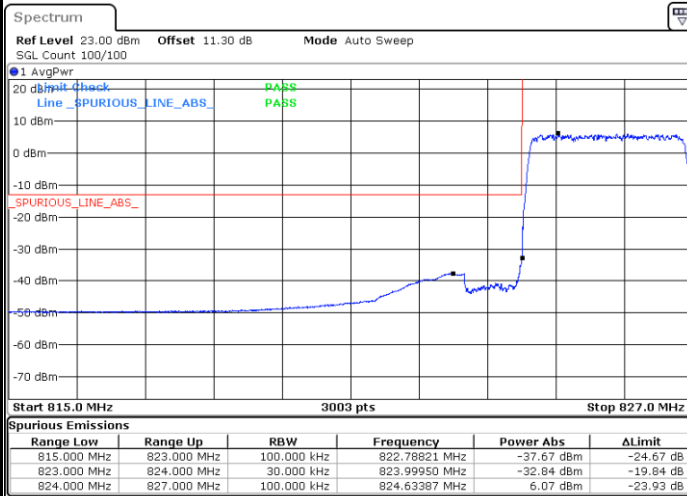
Date: 25.FEB.2021 20:09:54

Highest Band Edge / 1 RB



Date: 26.FEB.2021 00:50:01

Lowest Band Edge / Full RB



Date: 25.FEB.2021 20:11:48

Highest Band Edge / Full RB

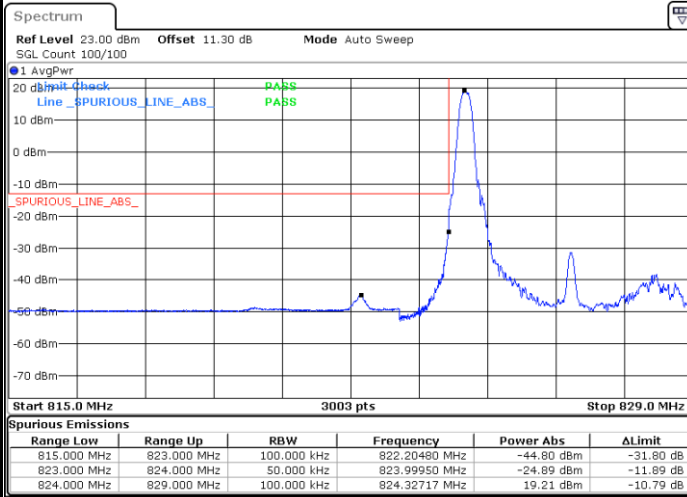


Date: 25.FEB.2021 20:17:37



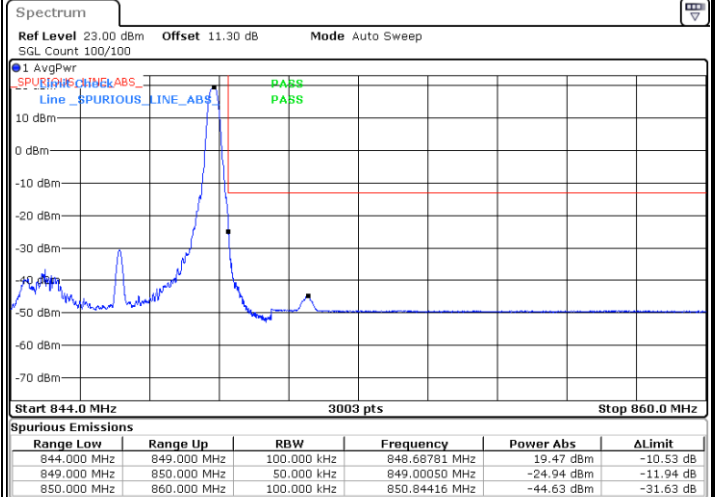
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



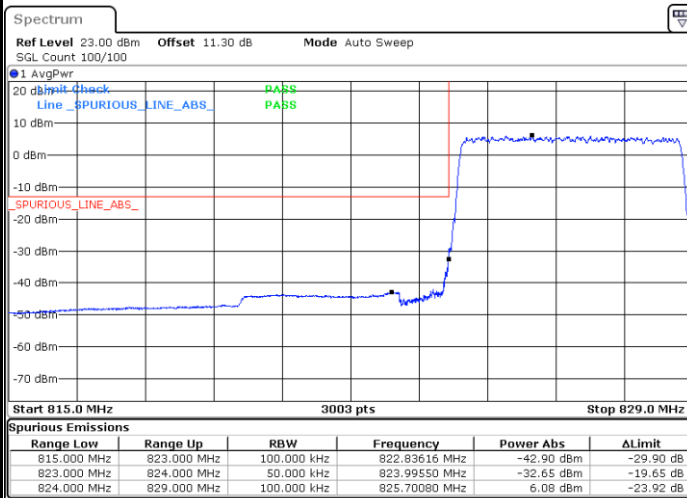
Date: 25.FEB.2021 20:20:10

Highest Band Edge / 1 RB



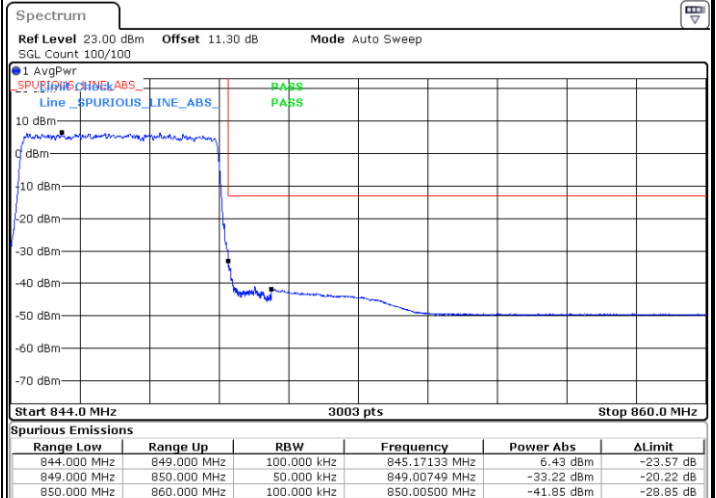
Date: 25.FEB.2021 22:57:47

Lowest Band Edge / Full RB



Date: 25.FEB.2021 21:19:09

Highest Band Edge / Full RB

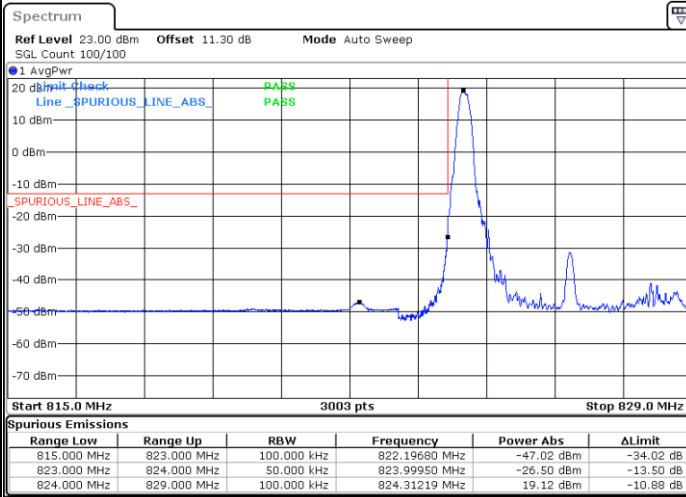


Date: 26.FEB.2021 00:46:00



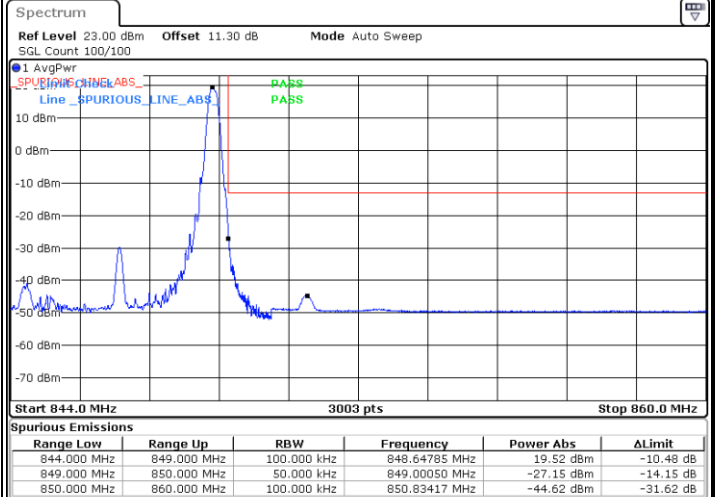
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



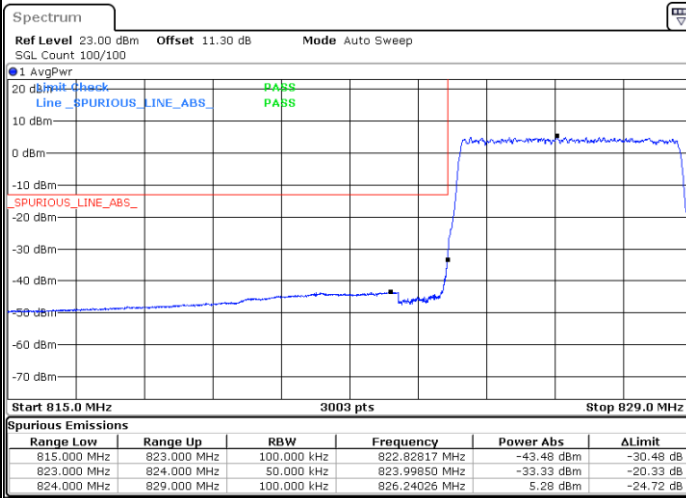
Date: 25.FEB.2021 20:22:05

Highest Band Edge / 1 RB



Date: 25.FEB.2021 22:59:42

Lowest Band Edge / Full RB



Date: 25.FEB.2021 21:21:04

Highest Band Edge / Full RB

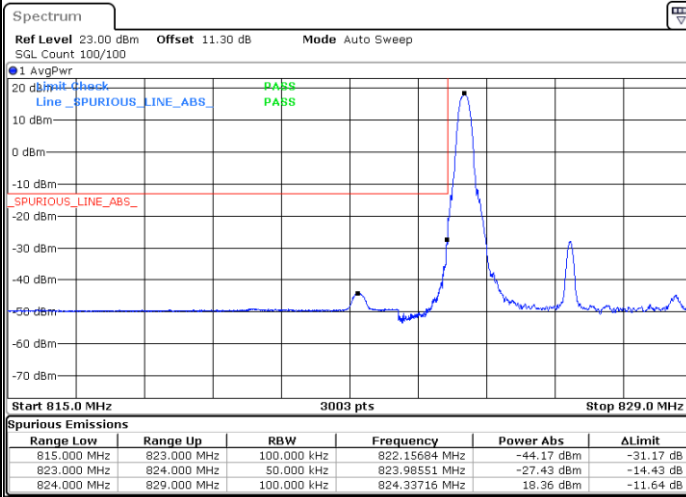


Date: 25.FEB.2021 23:18:38



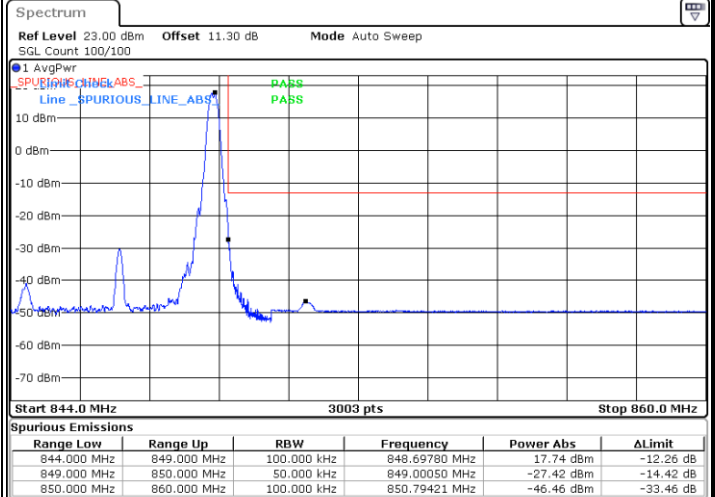
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



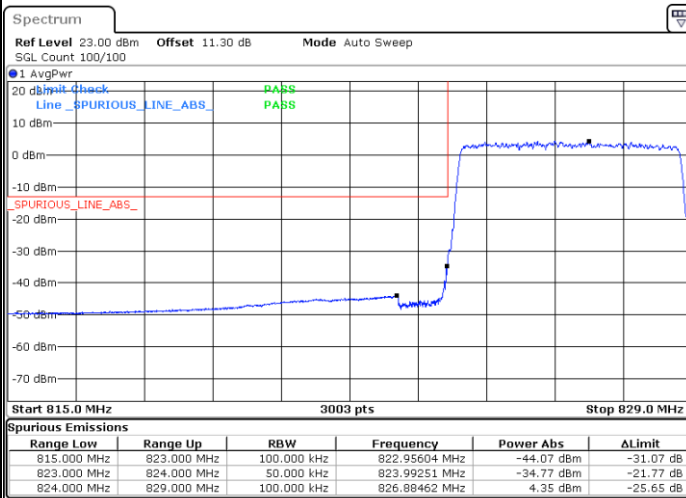
Date: 25.FEB.2021 23:22:11

Highest Band Edge / 1 RB



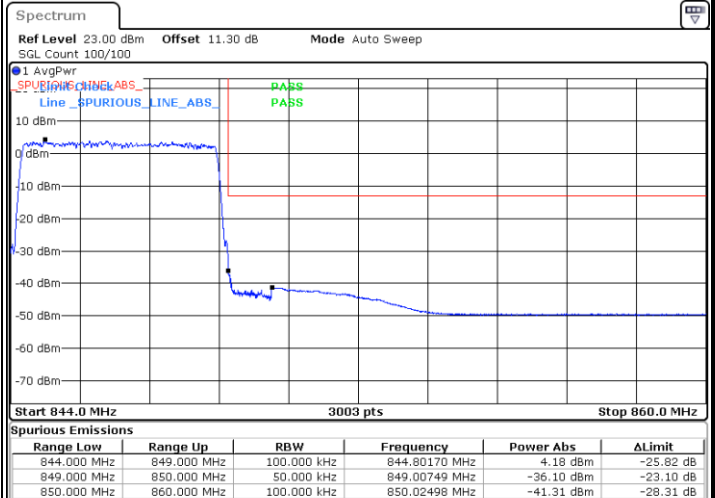
Date: 25.FEB.2021 23:27:58

Lowest Band Edge / Full RB



Date: 25.FEB.2021 23:24:05

Highest Band Edge / Full RB

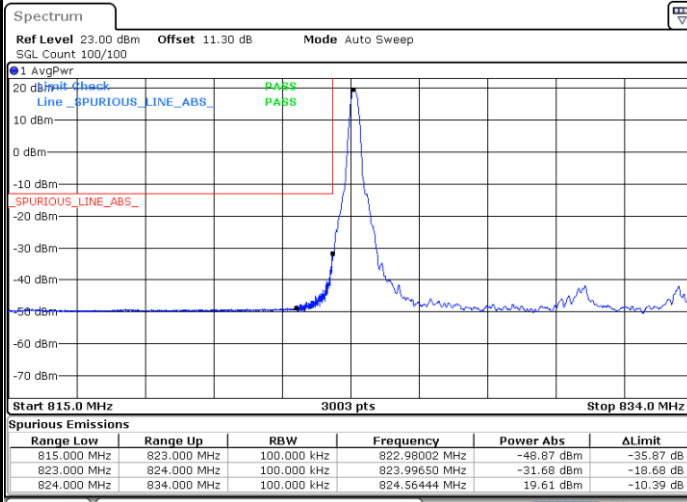


Date: 25.FEB.2021 23:29:53



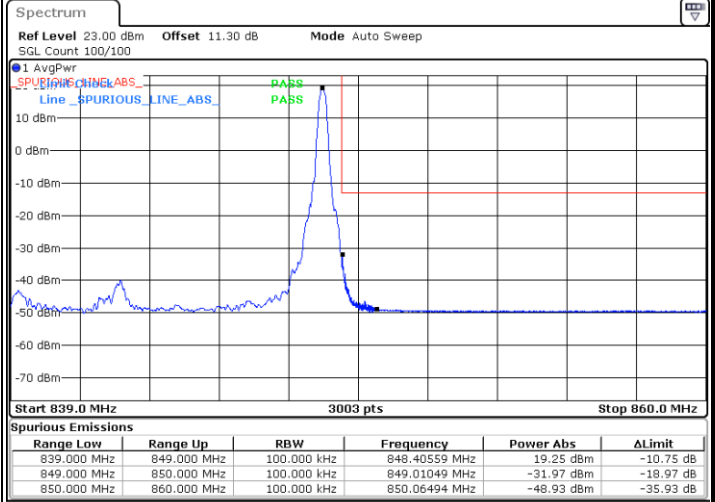
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



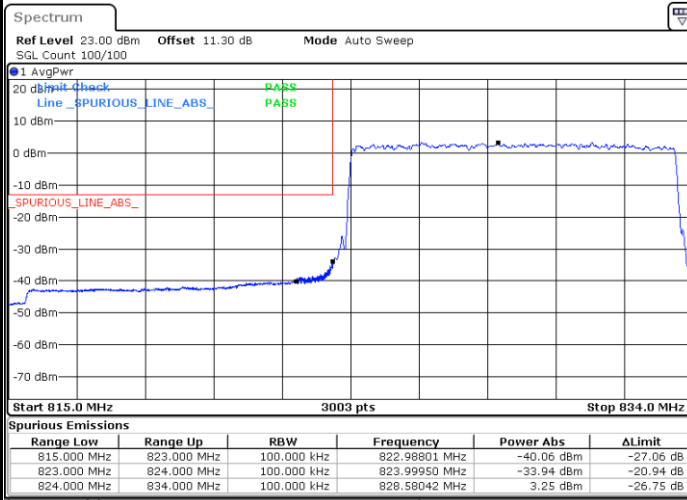
Date: 25.FEB.2021 23:32:26

Highest Band Edge / 1 RB



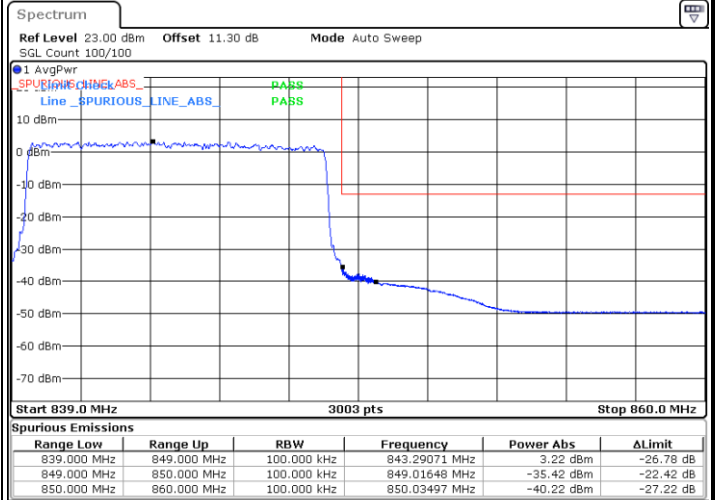
Date: 26.FEB.2021 00:08:20

Lowest Band Edge / Full RB



Date: 25.FEB.2021 23:36:15

Highest Band Edge / Full RB

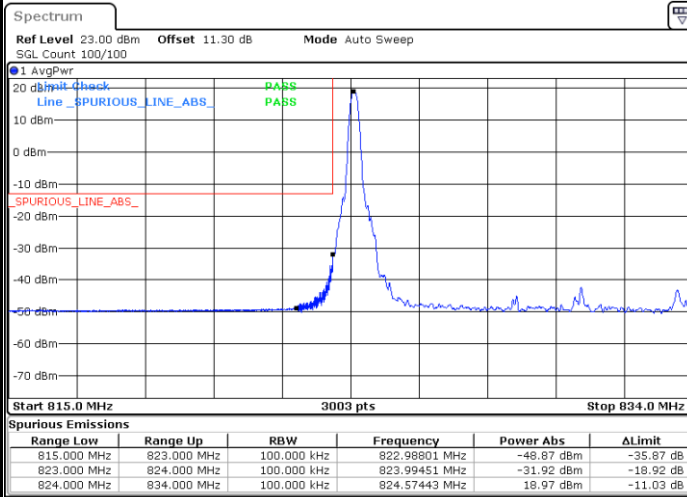


Date: 26.FEB.2021 00:19:06



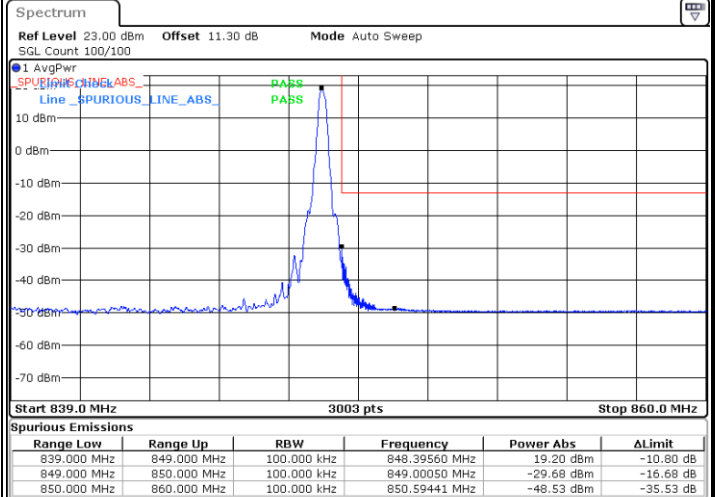
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



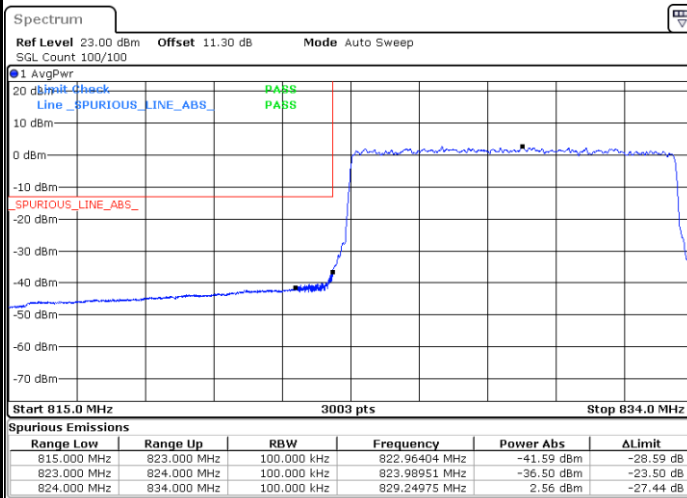
Date: 25.FEB.2021 23:34:20

Highest Band Edge / 1 RB



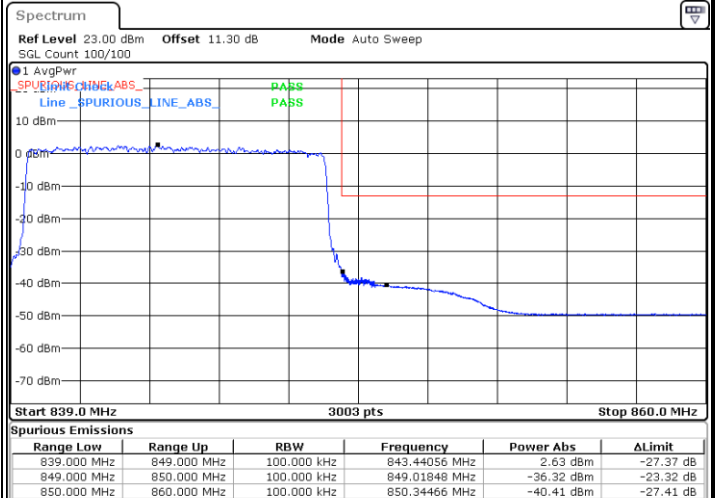
Date: 26.FEB.2021 00:10:14

Lowest Band Edge / Full RB



Date: 25.FEB.2021 23:38:09

Highest Band Edge / Full RB

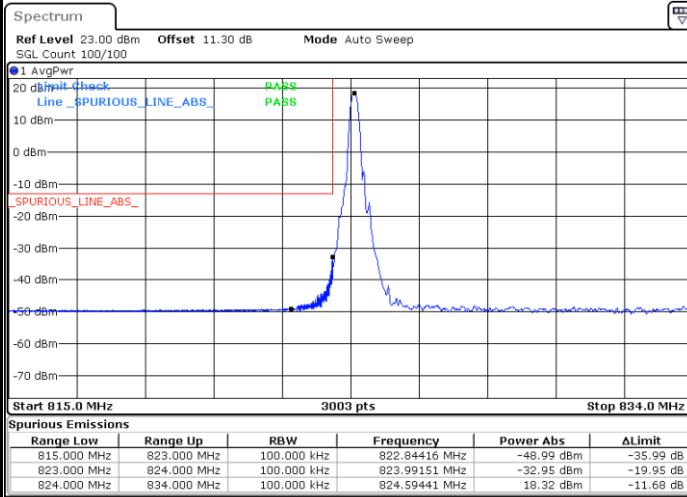


Date: 26.FEB.2021 00:23:31



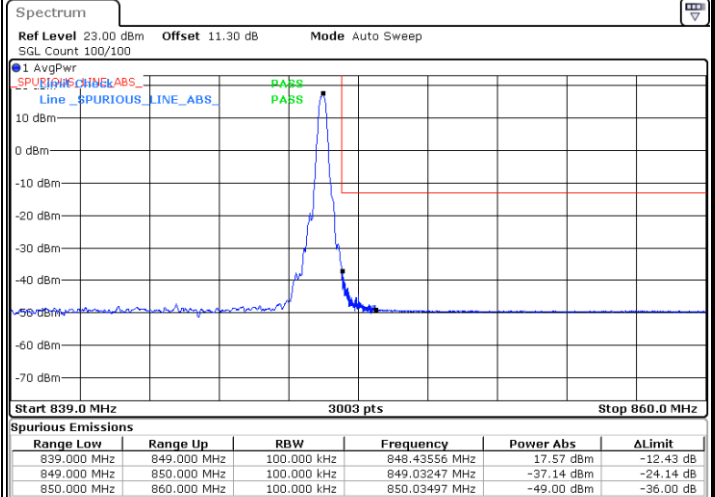
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



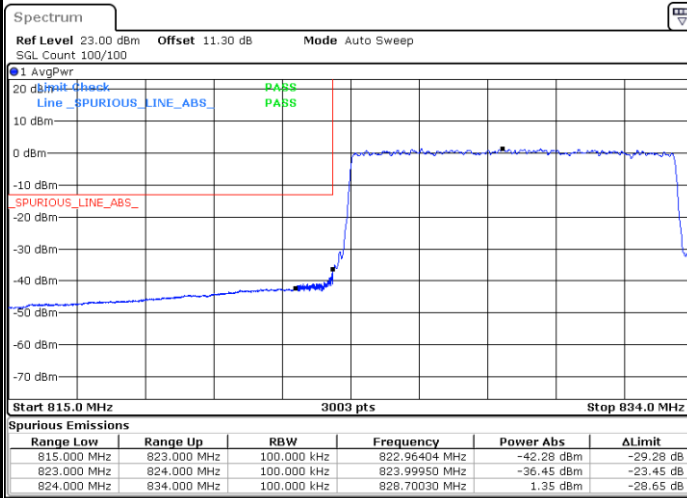
Date: 26.FEB.2021 00:27:03

Highest Band Edge / 1 RB



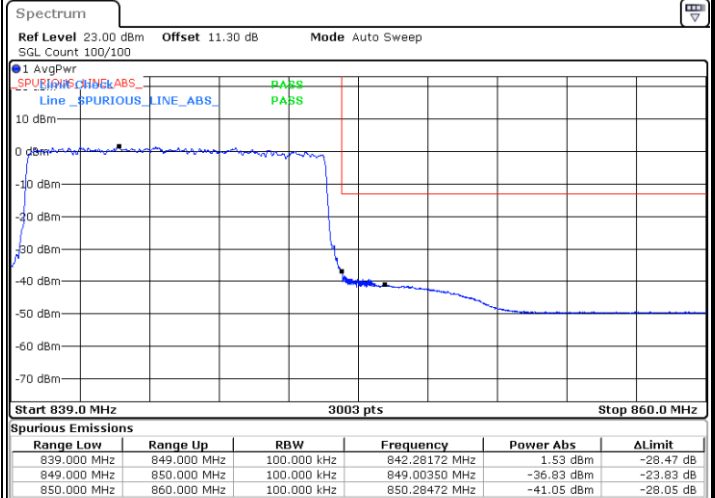
Date: 26.FEB.2021 00:37:07

Lowest Band Edge / Full RB



Date: 26.FEB.2021 00:28:57

Highest Band Edge / Full RB



Date: 26.FEB.2021 00:39:01

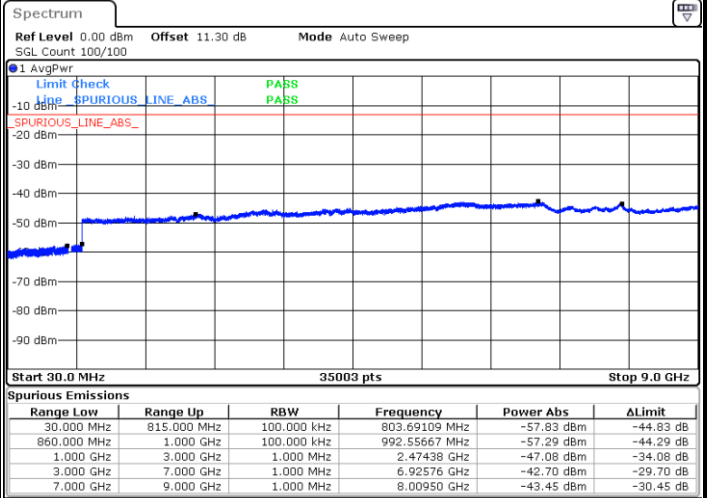
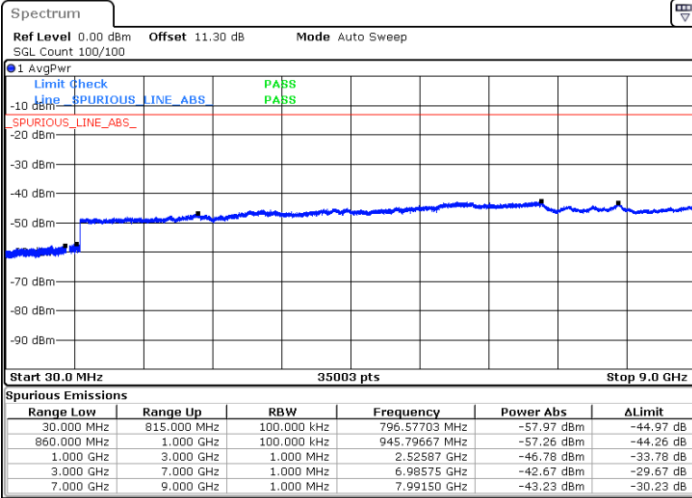


Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

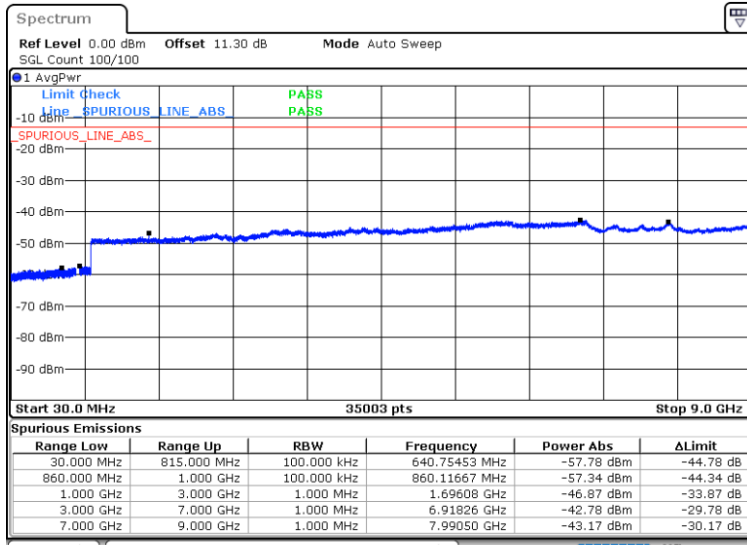
Middle Channel / QPSK



Date: 25.FEB.2021 19:21:27

Date: 25.FEB.2021 19:24:13

Highest Channel / QPSK



Date: 25.FEB.2021 19:35:17