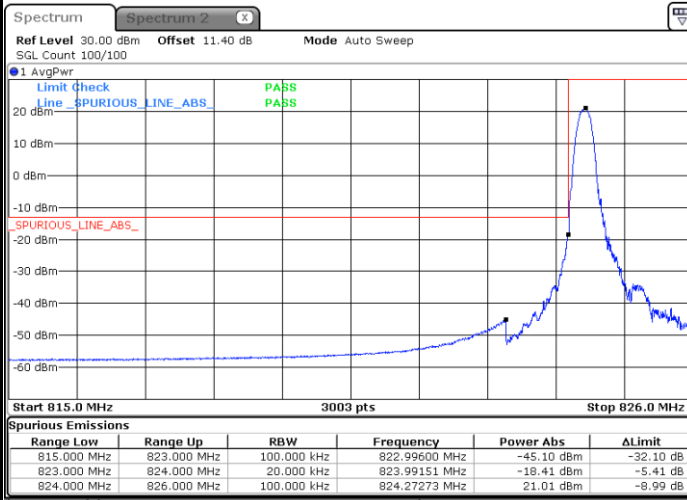




Conducted Band Edge

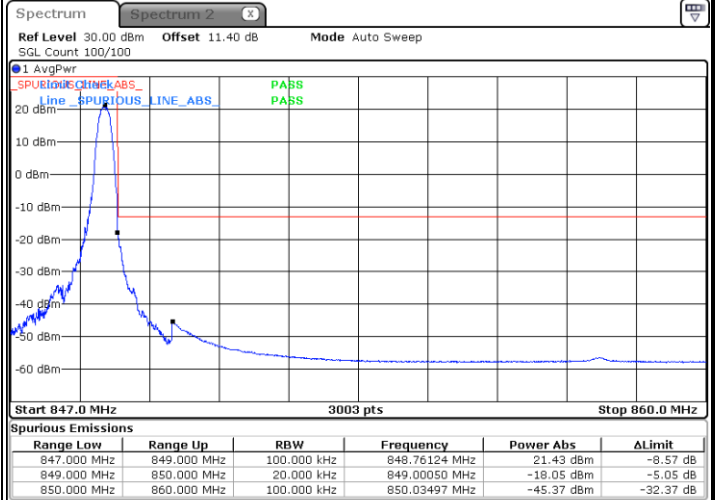
LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



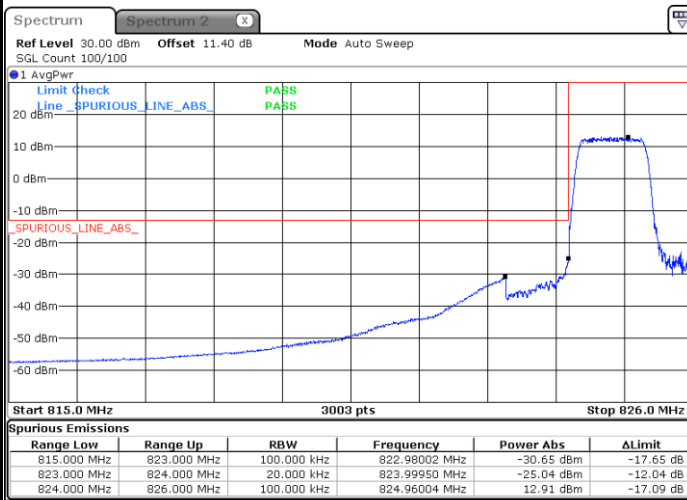
Date: 11.NOV.2021 01:35:34

Highest Band Edge / 1RB



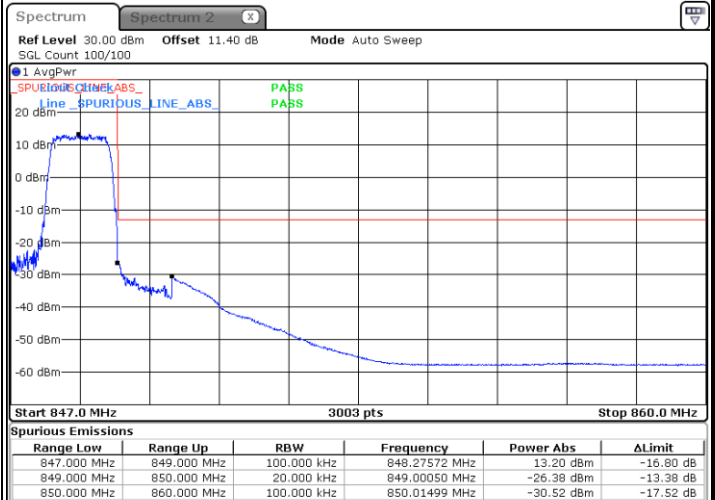
Date: 11.NOV.2021 01:44:00

Lowest Band Edge / Full RB



Date: 11.NOV.2021 01:37:12

Highest Band Edge / Full RB

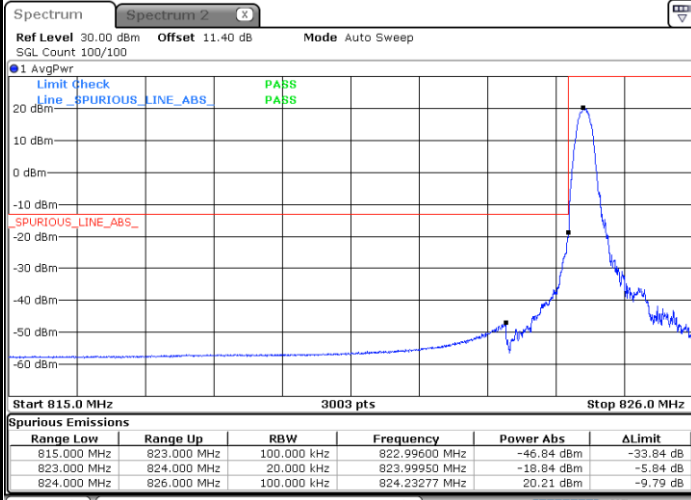


Date: 11.NOV.2021 01:42:21

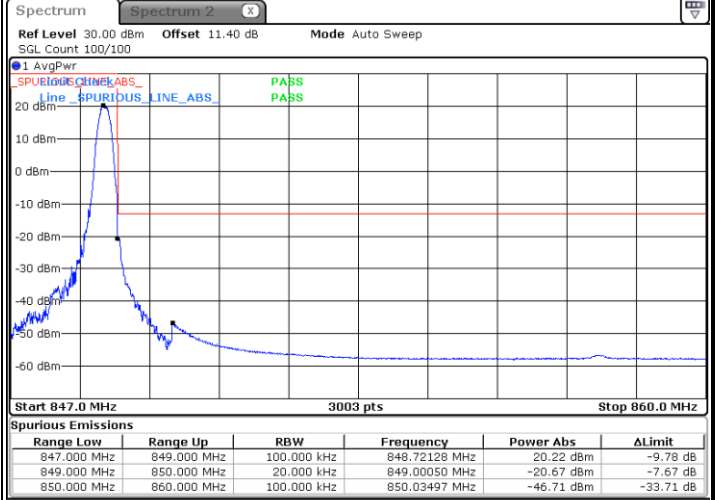


LTE Band 5 / 1.4MHz / 16QAM

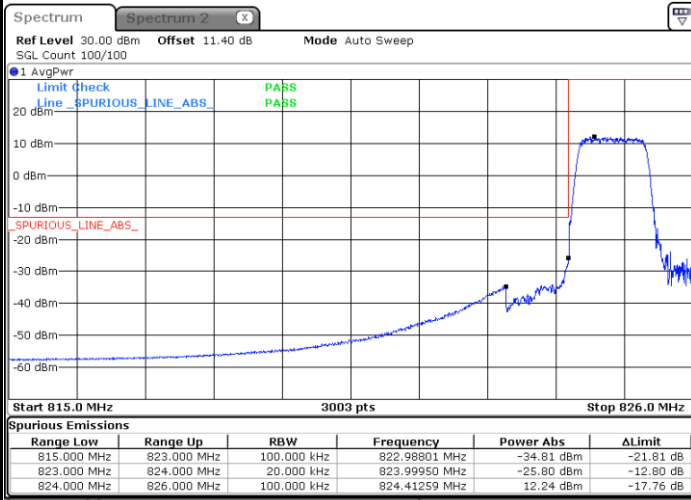
Lowest Band Edge / 1 RB



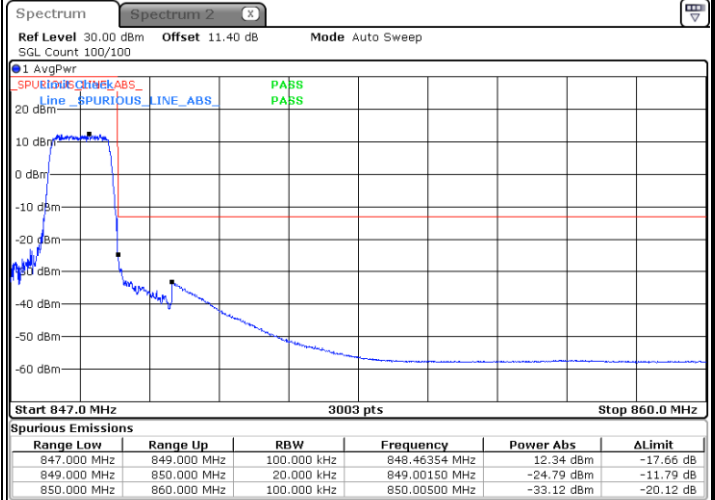
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



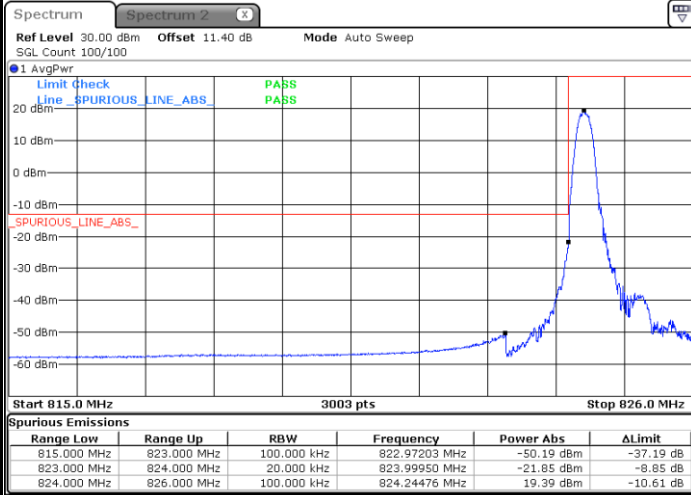
Highest Band Edge / Full RB





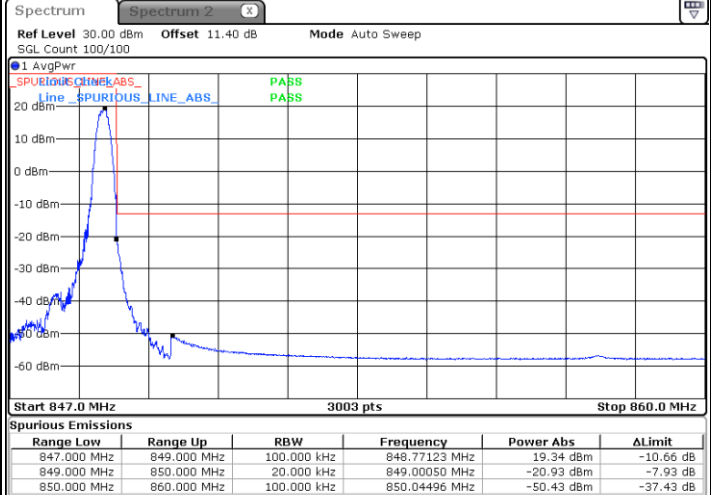
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



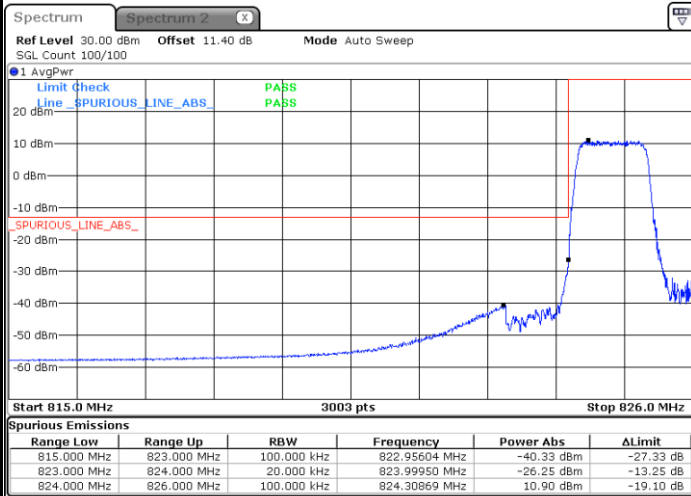
Date: 11.NOV.2021 01:46:37

Highest Band Edge / 1 RB



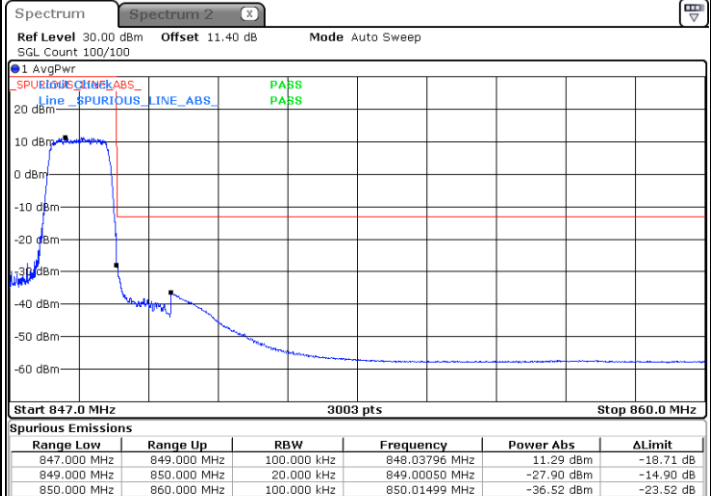
Date: 11.NOV.2021 01:49:43

Lowest Band Edge / Full RB



Date: 11.NOV.2021 01:47:29

Highest Band Edge / Full RB

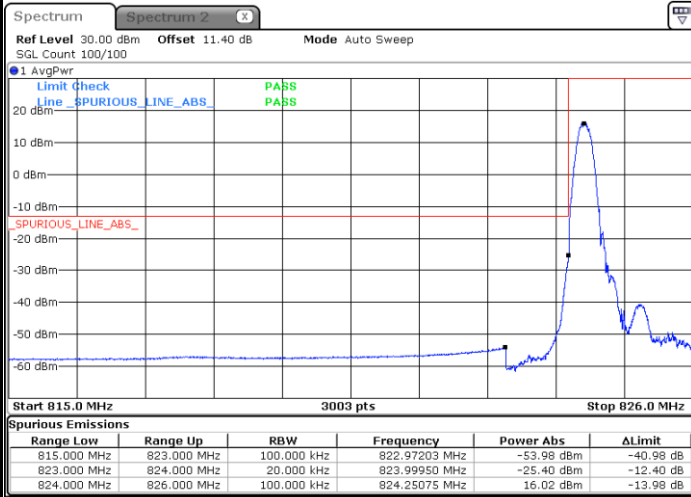


Date: 11.NOV.2021 01:48:55

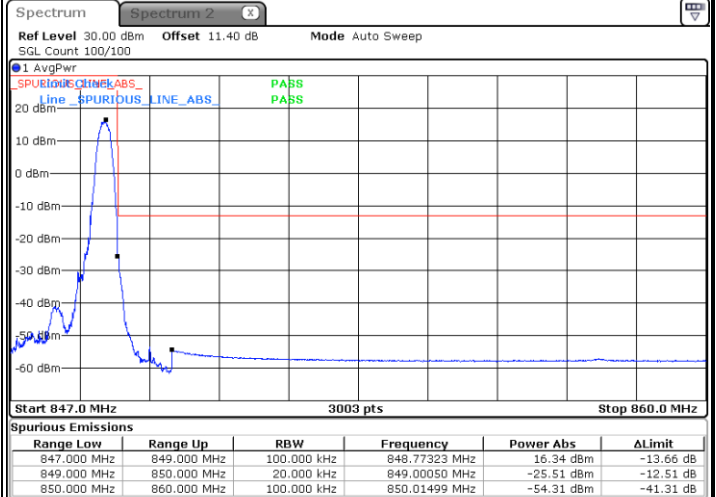


LTE Band 5 / 1.4MHz / 256QAM

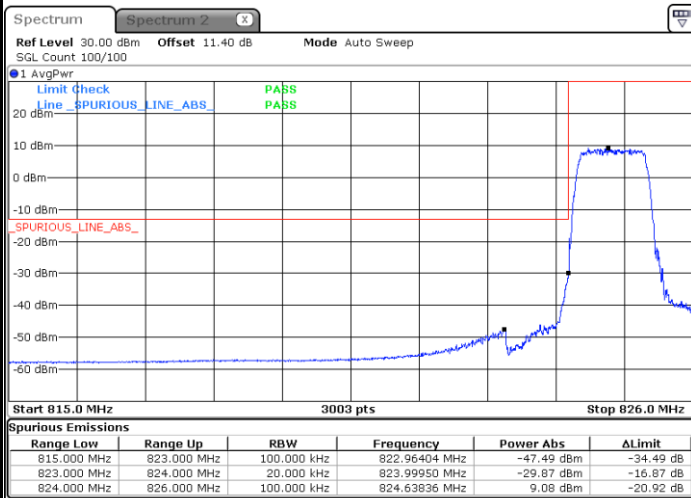
Lowest Band Edge / 1 RB



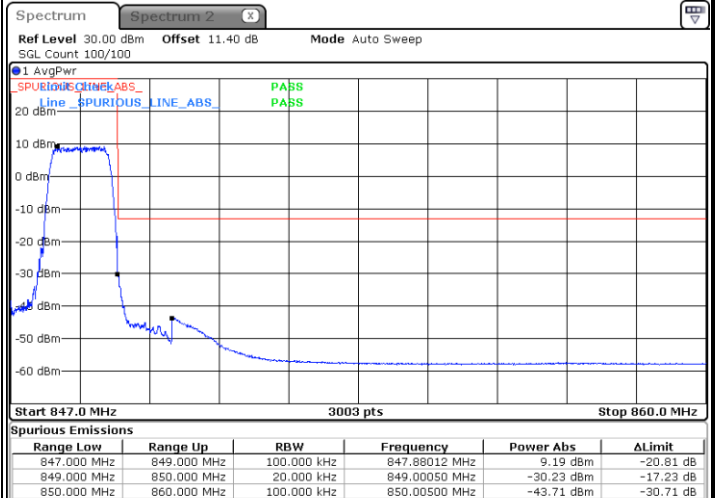
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



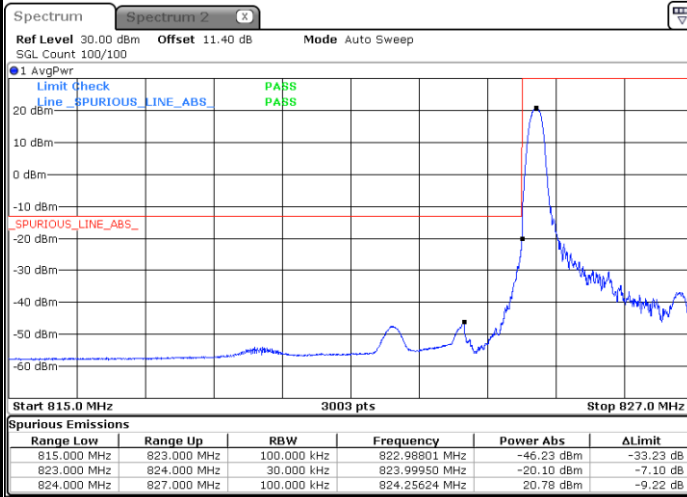
Highest Band Edge / Full RB





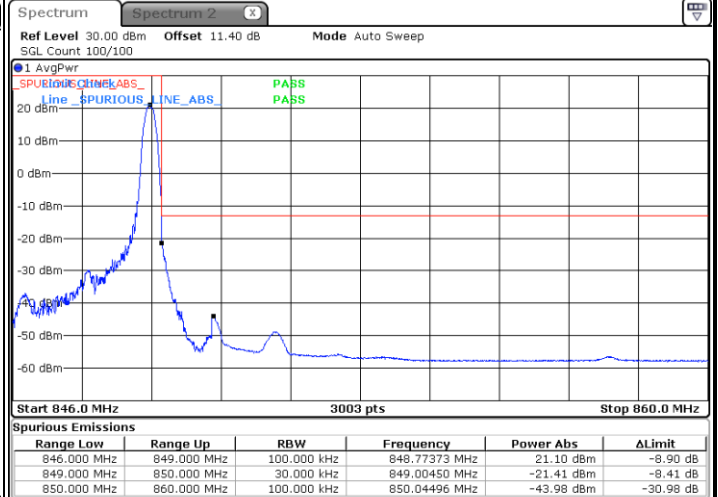
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



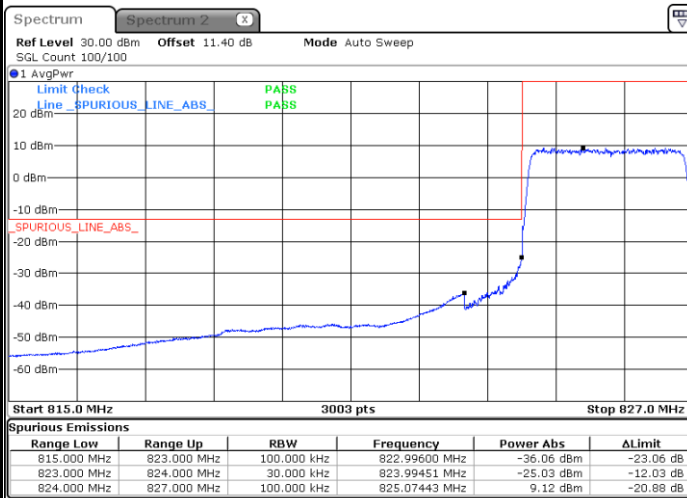
Date: 11.NOV.2021 01:50:34

Highest Band Edge / 1 RB



Date: 11.NOV.2021 01:57:21

Lowest Band Edge / Full RB



Date: 11.NOV.2021 01:52:12

Highest Band Edge / Full RB



Date: 11.NOV.2021 01:59:00



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



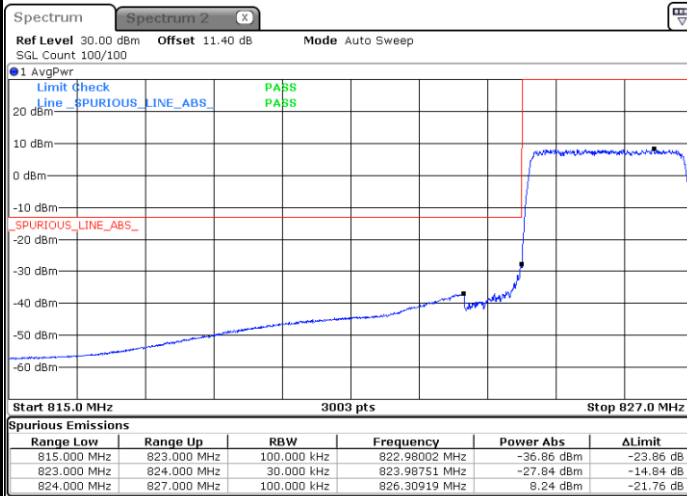
Date: 11.NOV.2021 01:51:23

Highest Band Edge / 1 RB



Date: 11.NOV.2021 01:58:11

Lowest Band Edge / Full RB



Date: 11.NOV.2021 01:53:01

Highest Band Edge / Full RB

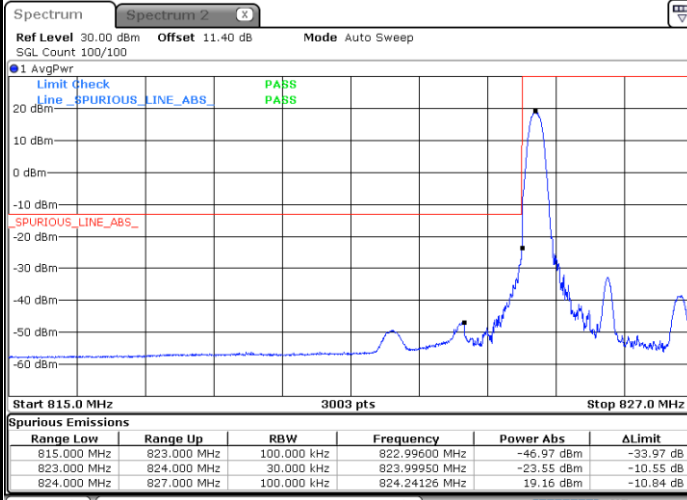


Date: 11.NOV.2021 01:59:49



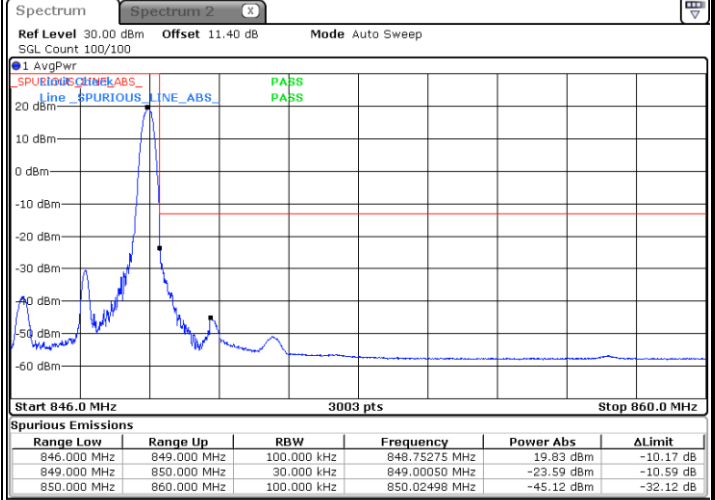
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



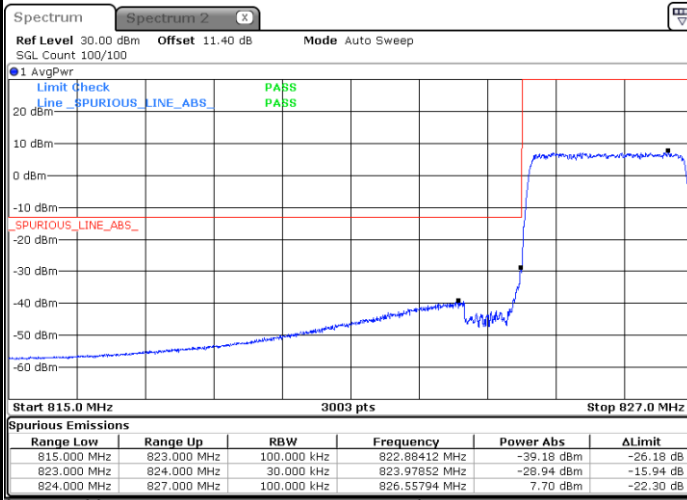
Date: 11.NOV.2021 02:01:36

Highest Band Edge / 1 RB



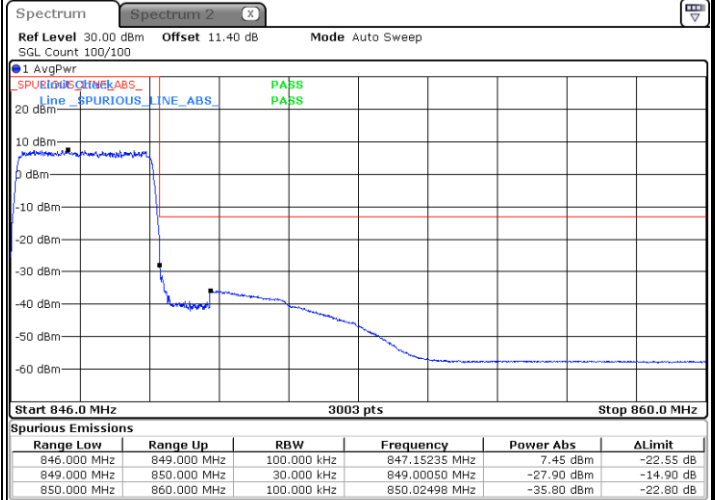
Date: 11.NOV.2021 02:03:52

Lowest Band Edge / Full RB



Date: 11.NOV.2021 02:02:25

Highest Band Edge / Full RB

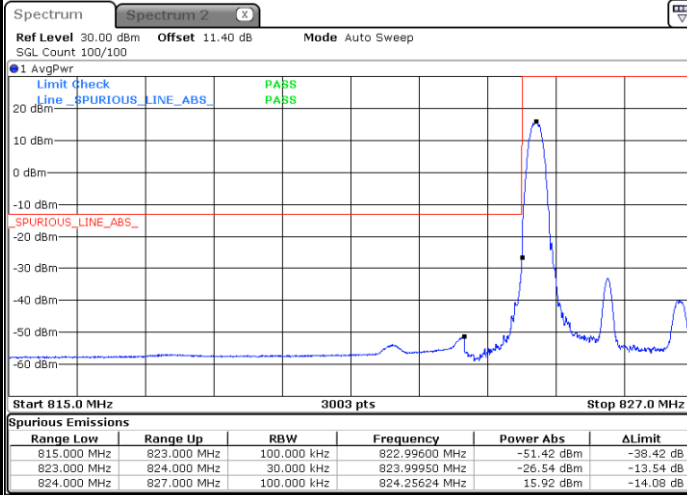


Date: 11.NOV.2021 02:04:41



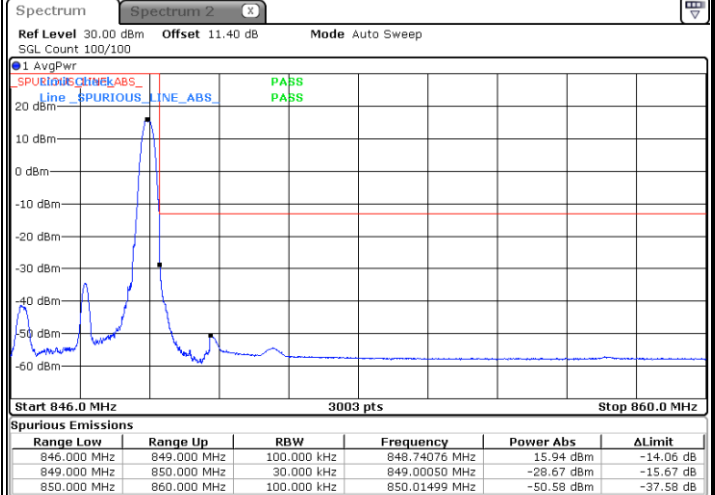
LTE Band 5 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



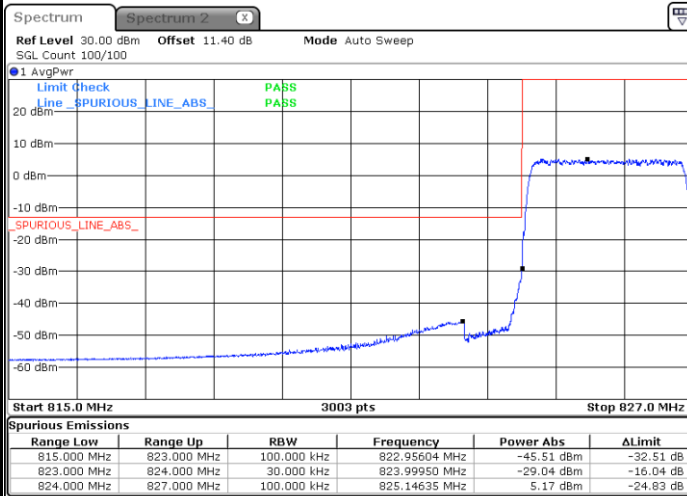
Date: 11.NOV.2021 01:12:57

Highest Band Edge / 1 RB



Date: 11.NOV.2021 01:16:01

Lowest Band Edge / Full RB



Date: 11.NOV.2021 01:13:42

Highest Band Edge / Full RB

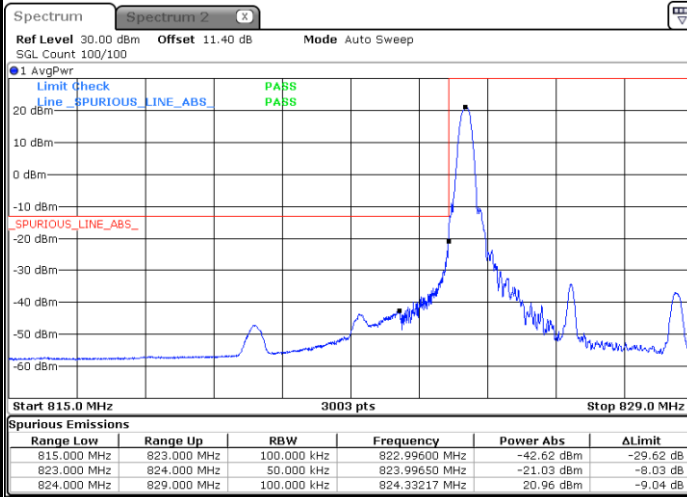


Date: 11.NOV.2021 01:16:48



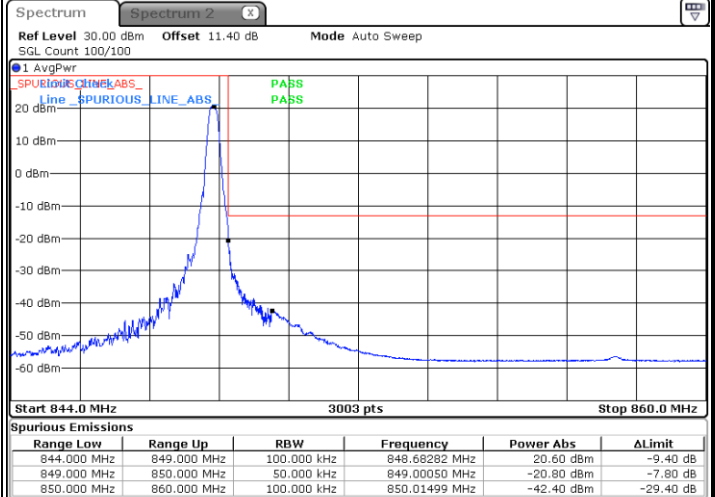
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



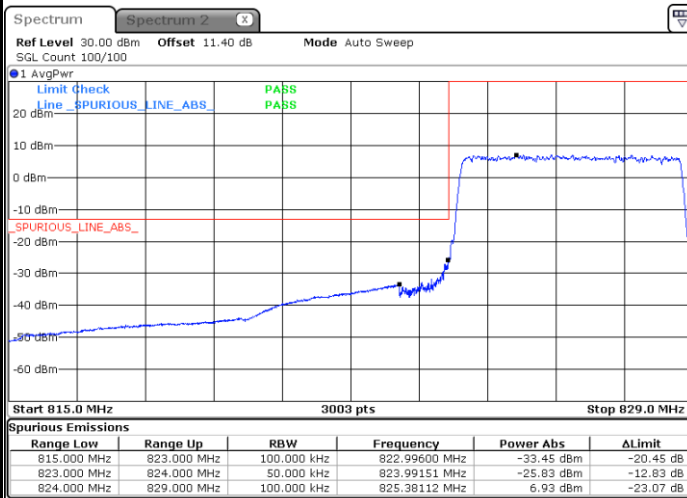
Date: 11.NOV.2021 02:05:32

Highest Band Edge / 1 RB



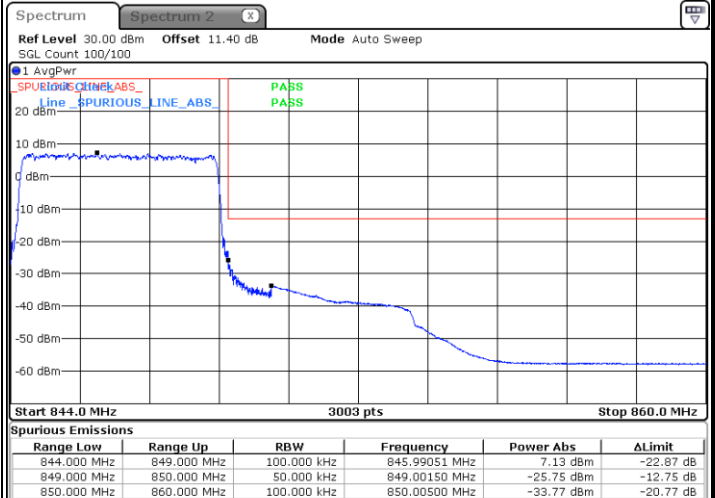
Date: 11.NOV.2021 02:12:18

Lowest Band Edge / Full RB



Date: 11.NOV.2021 02:07:10

Highest Band Edge / Full RB

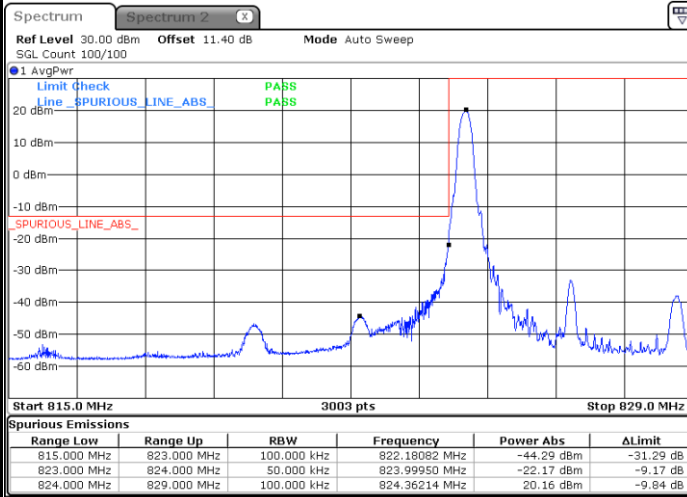


Date: 11.NOV.2021 02:13:56



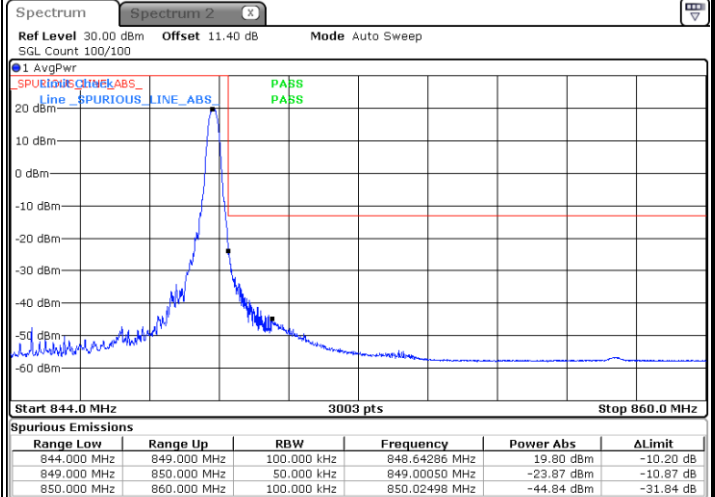
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



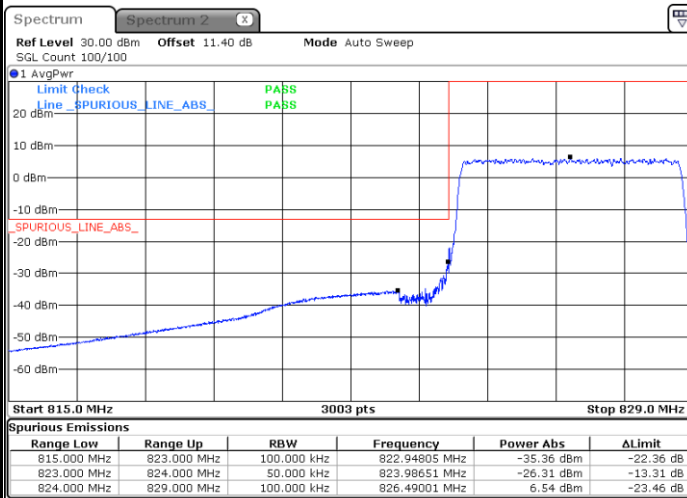
Date: 11.NOV.2021 02:06:21

Highest Band Edge / 1 RB



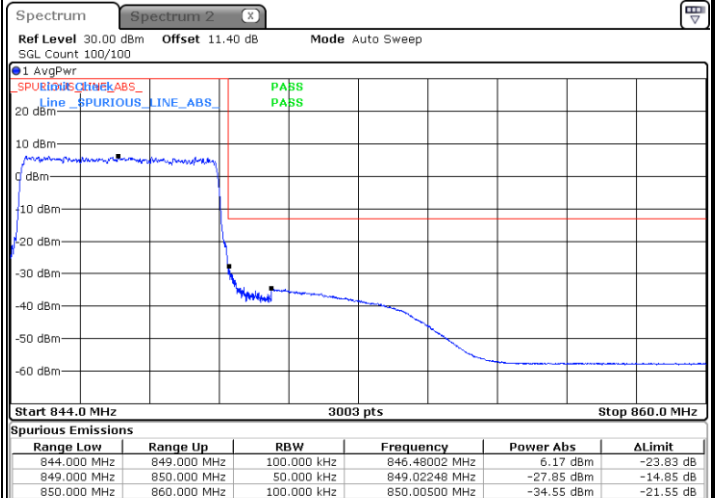
Date: 11.NOV.2021 02:13:07

Lowest Band Edge / Full RB



Date: 11.NOV.2021 02:07:59

Highest Band Edge / Full RB

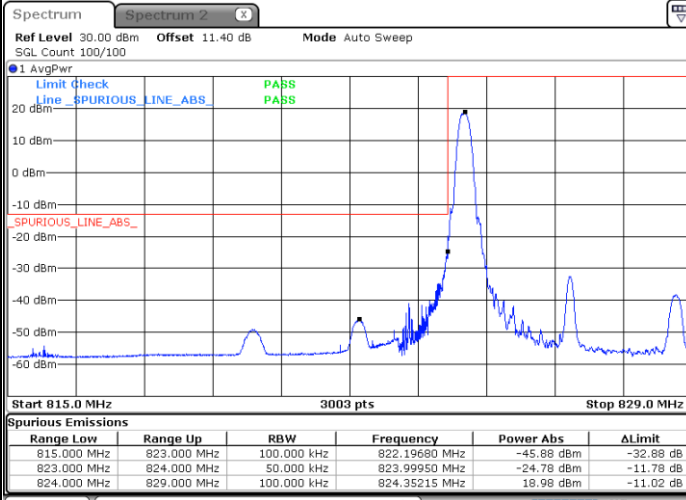


Date: 11.NOV.2021 02:14:45



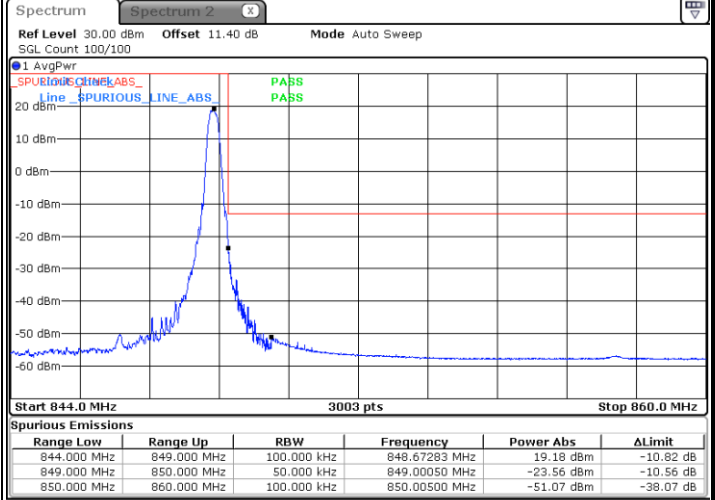
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



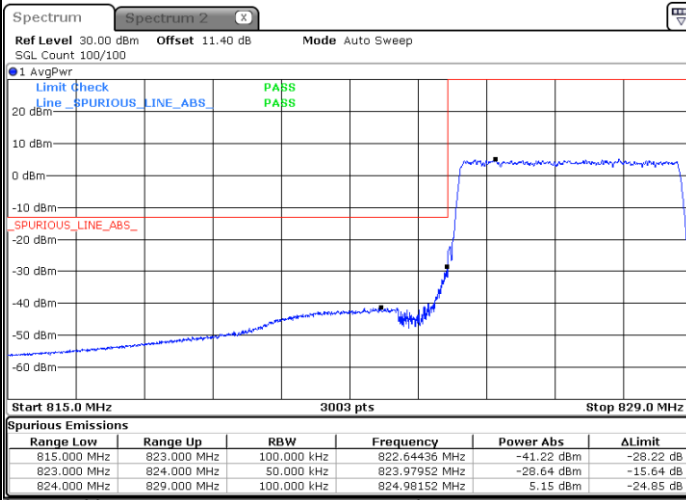
Date: 11.NOV.2021 02:16:34

Highest Band Edge / 1 RB



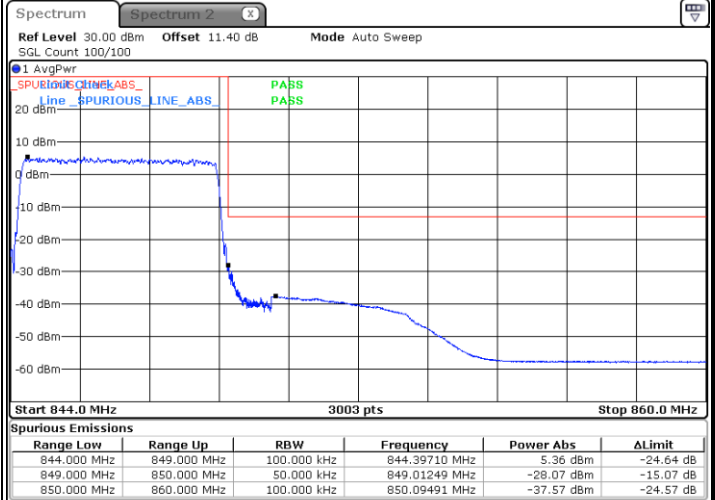
Date: 11.NOV.2021 02:18:50

Lowest Band Edge / Full RB



Date: 11.NOV.2021 02:17:23

Highest Band Edge / Full RB

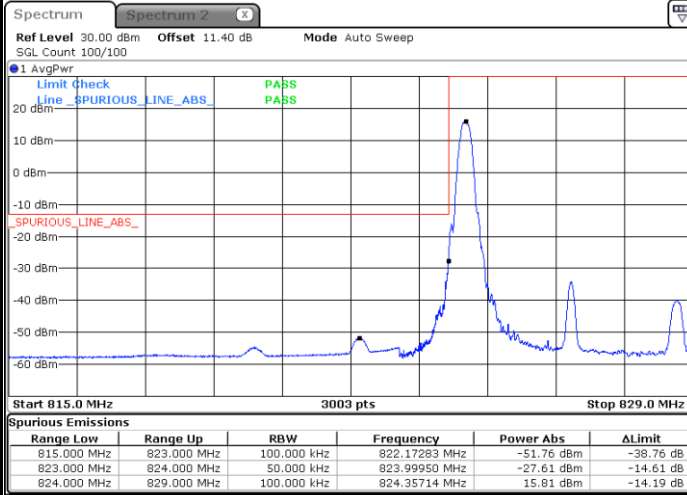


Date: 11.NOV.2021 02:19:39



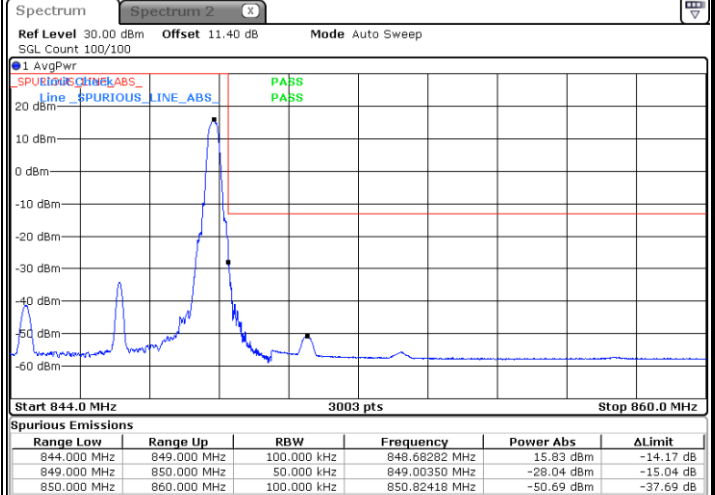
LTE Band 5 / 5MHz / 256QAM

Lowest Band Edge / 1RB



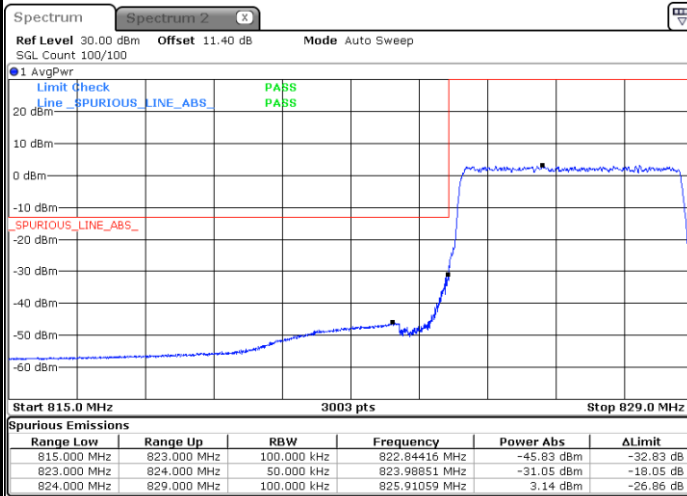
Date: 11.NOV.2021 01:23:18

Highest Band Edge / 1 RB



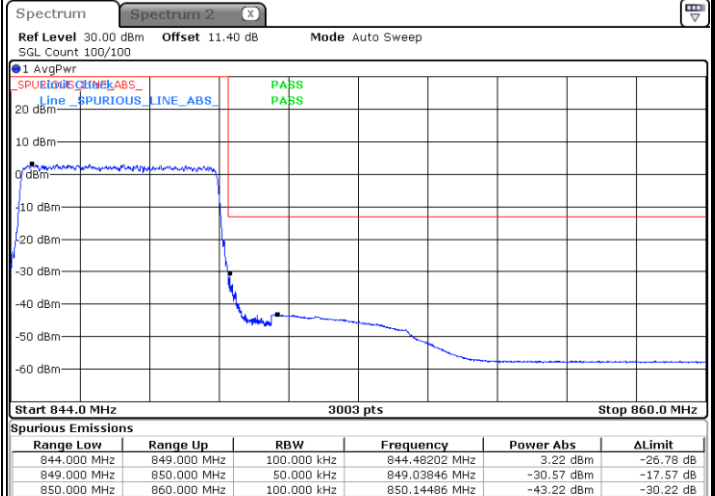
Date: 11.NOV.2021 01:26:22

Lowest Band Edge / Full RB



Date: 11.NOV.2021 01:24:03

Highest Band Edge / Full RB

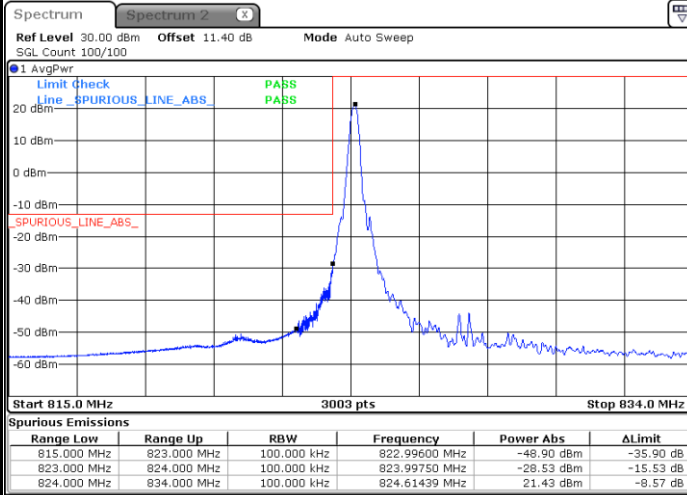


Date: 11.NOV.2021 01:27:09



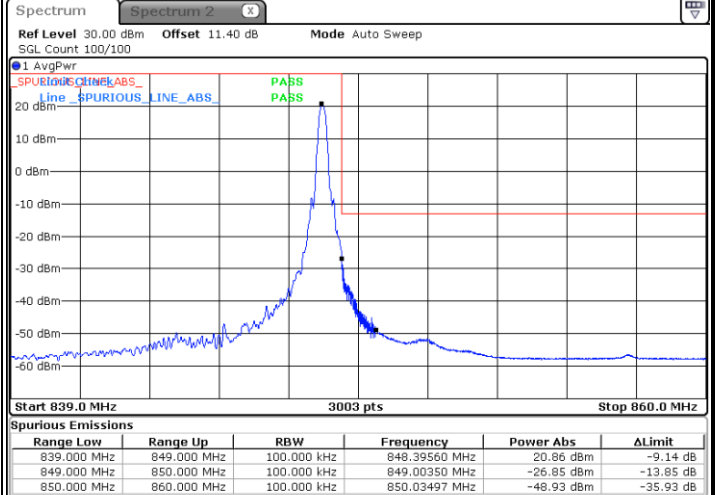
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



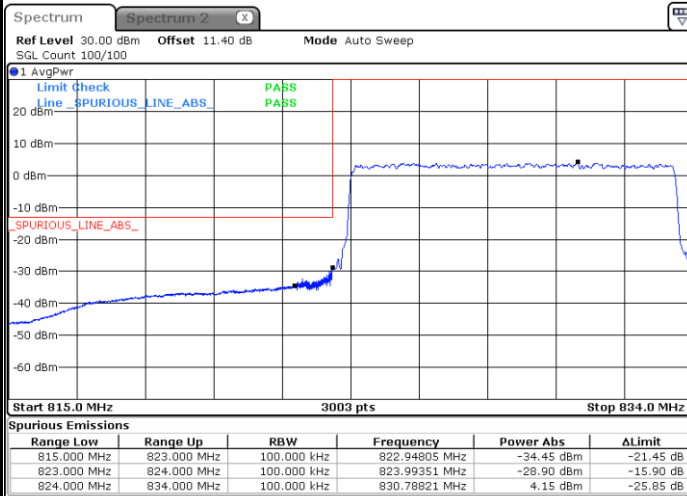
Date: 11.NOV.2021 02:20:30

Highest Band Edge / 1 RB



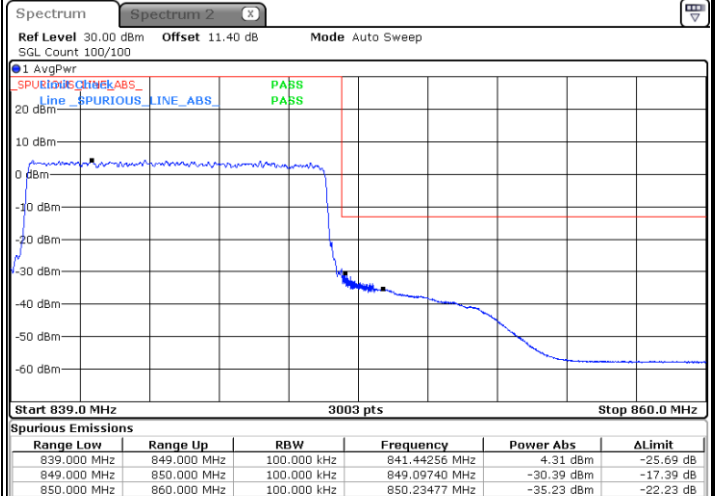
Date: 11.NOV.2021 02:27:20

Lowest Band Edge / Full RB



Date: 11.NOV.2021 02:22:08

Highest Band Edge / Full RB

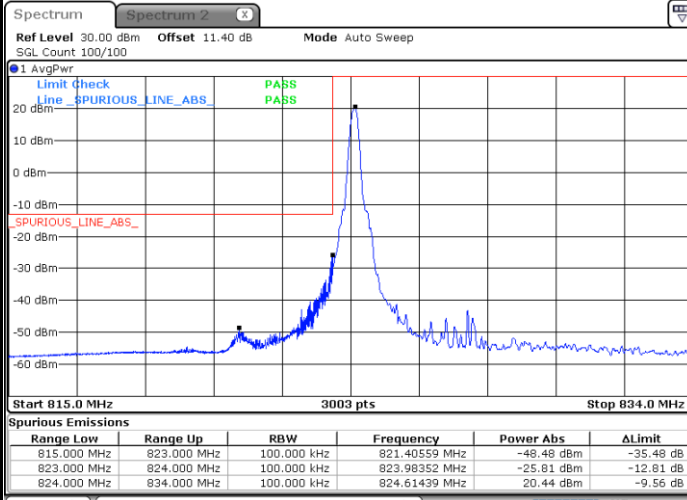


Date: 11.NOV.2021 02:28:59



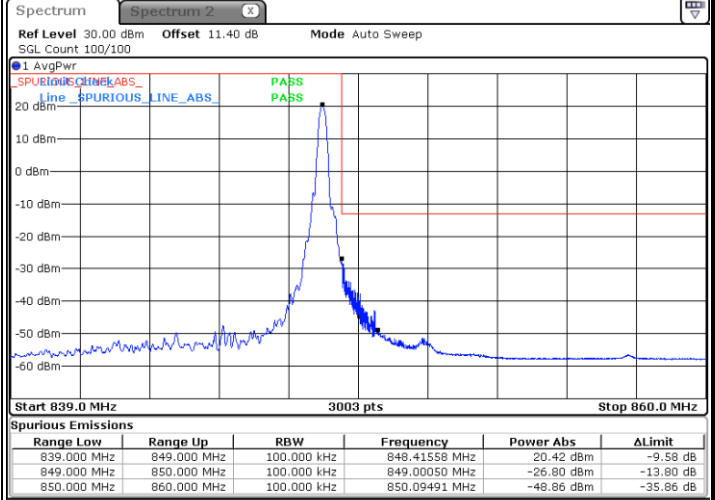
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



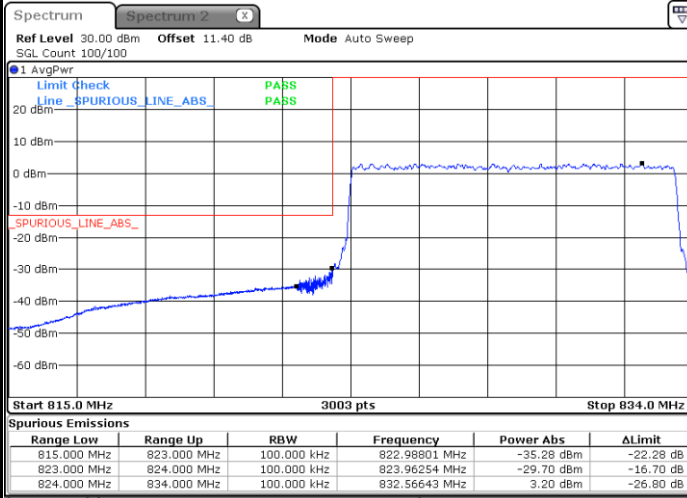
Date: 11.NOV.2021 02:21:19

Highest Band Edge / 1 RB



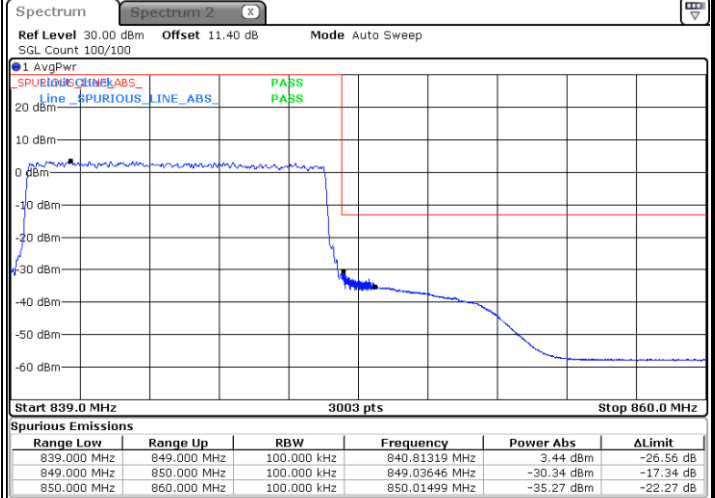
Date: 11.NOV.2021 02:28:09

Lowest Band Edge / Full RB



Date: 11.NOV.2021 02:22:57

Highest Band Edge / Full RB

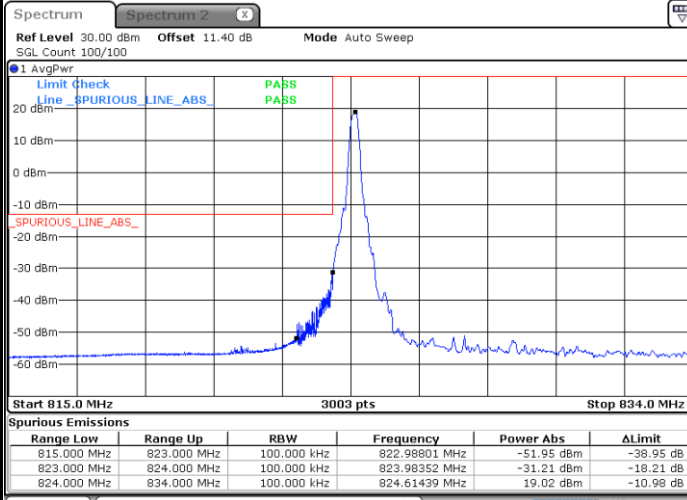


Date: 11.NOV.2021 02:29:48



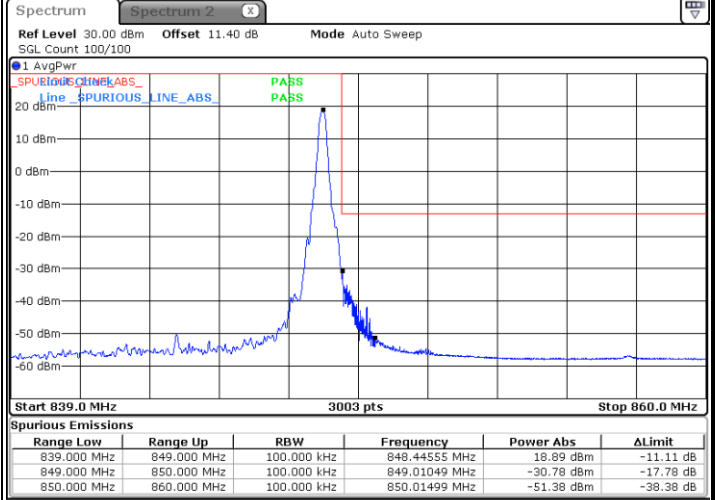
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



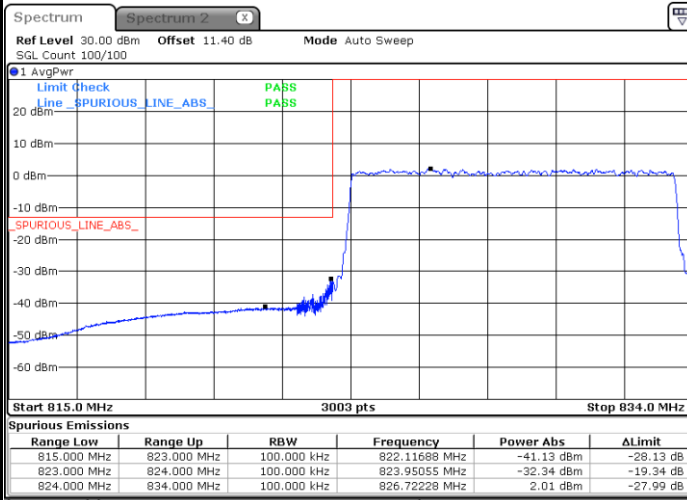
Date: 11.NOV.2021 02:31:37

Highest Band Edge / 1 RB



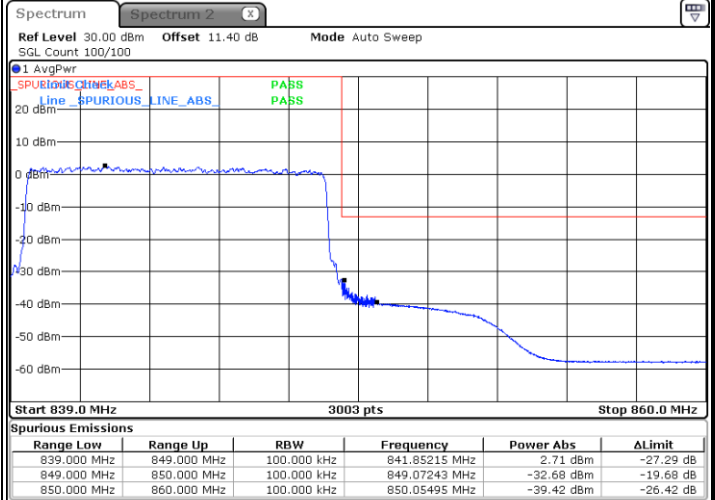
Date: 11.NOV.2021 02:33:54

Lowest Band Edge / Full RB



Date: 11.NOV.2021 02:32:27

Highest Band Edge / Full RB

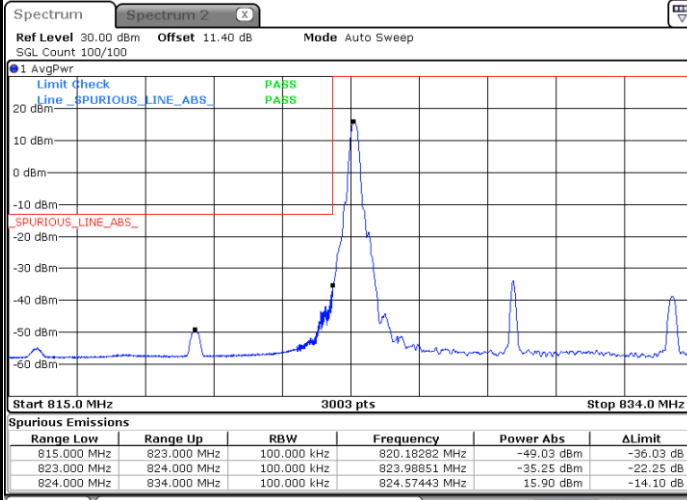


Date: 11.NOV.2021 02:34:44



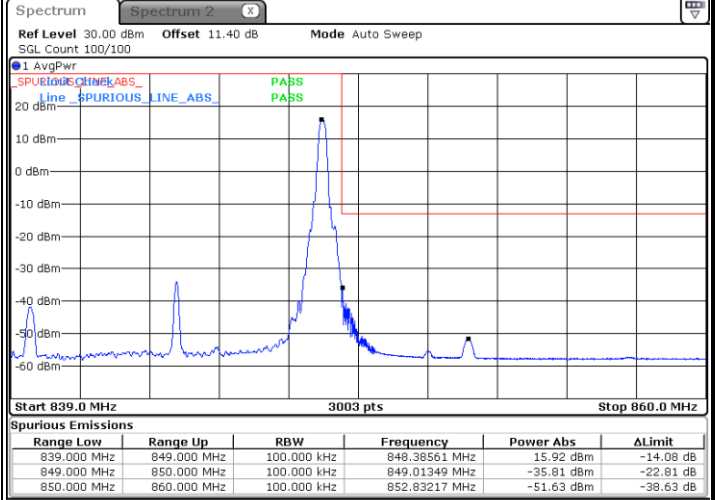
LTE Band 5 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



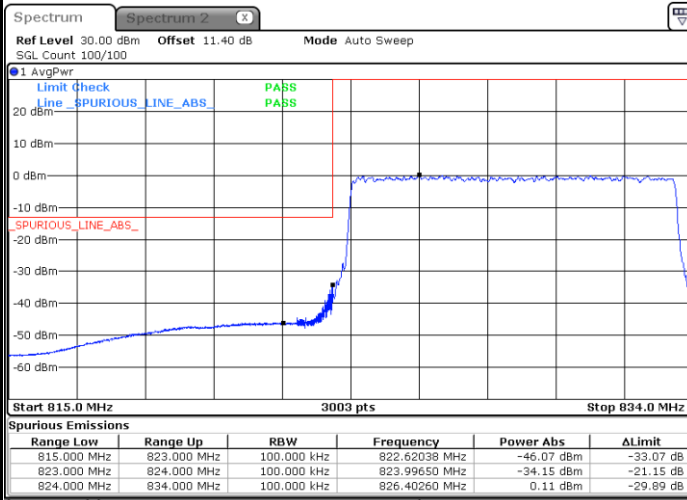
Date: 11.NOV.2021 01:29:39

Highest Band Edge / 1 RB



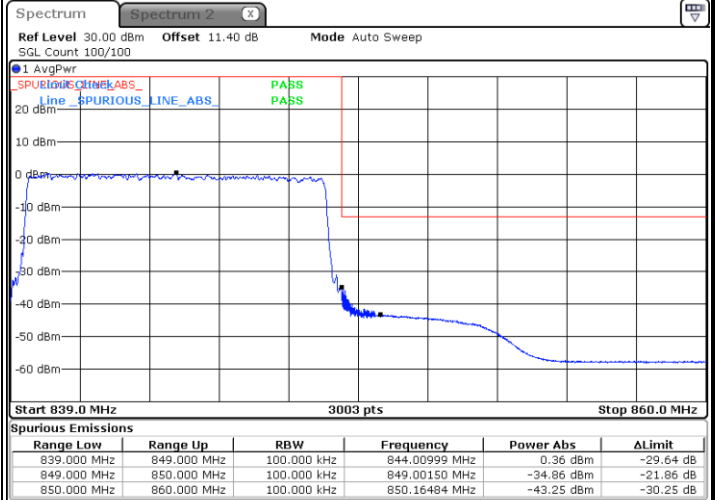
Date: 11.NOV.2021 01:32:42

Lowest Band Edge / Full RB



Date: 11.NOV.2021 01:30:23

Highest Band Edge / Full RB



Date: 11.NOV.2021 01:33:31

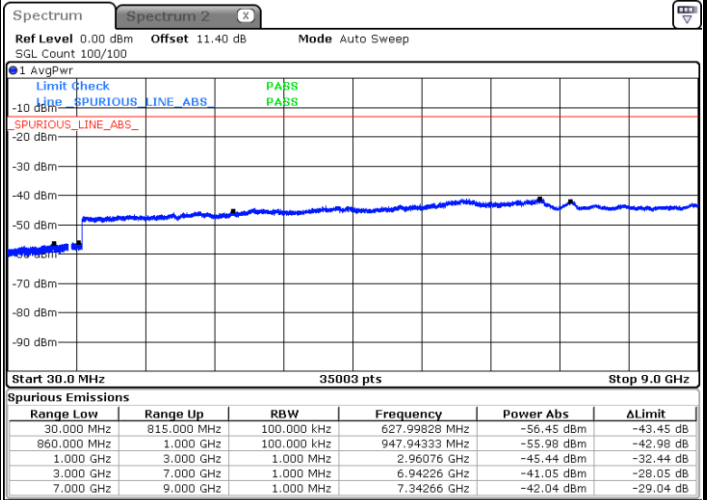
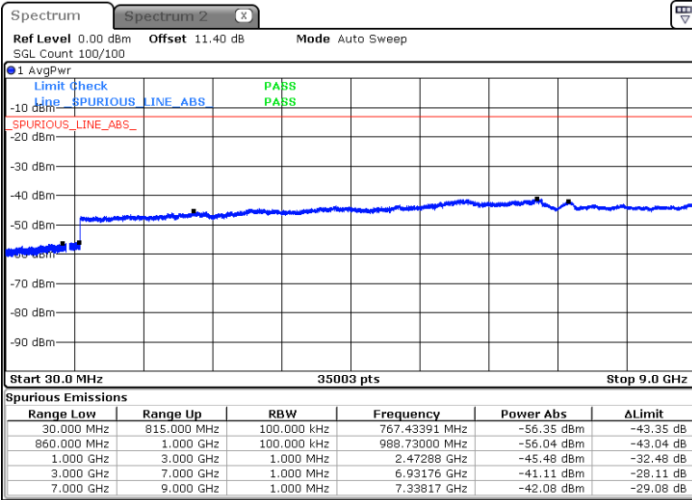


Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

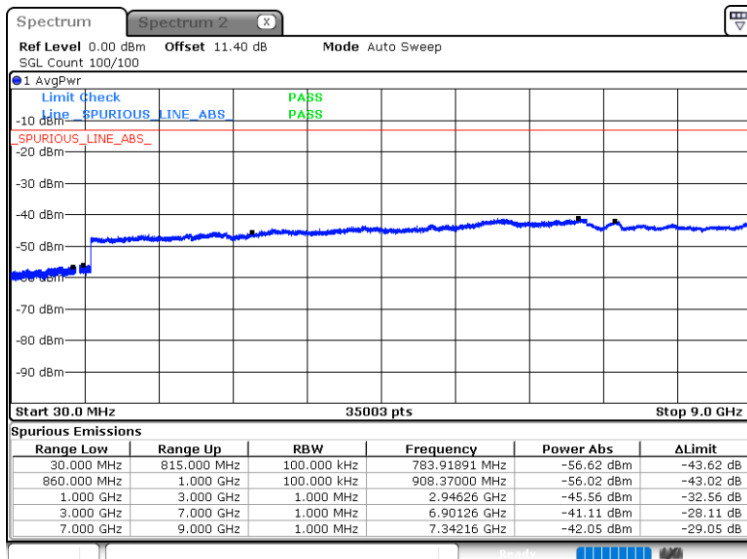
Middle Channel / QPSK



Date: 11.NOV.2021 01:39:00

Date: 11.NOV.2021 01:41:31

Highest Channel / QPSK

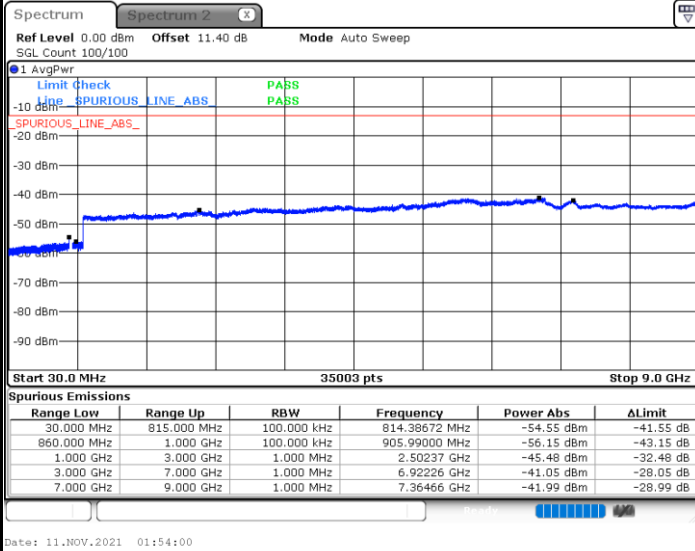


Date: 11.NOV.2021 01:45:48

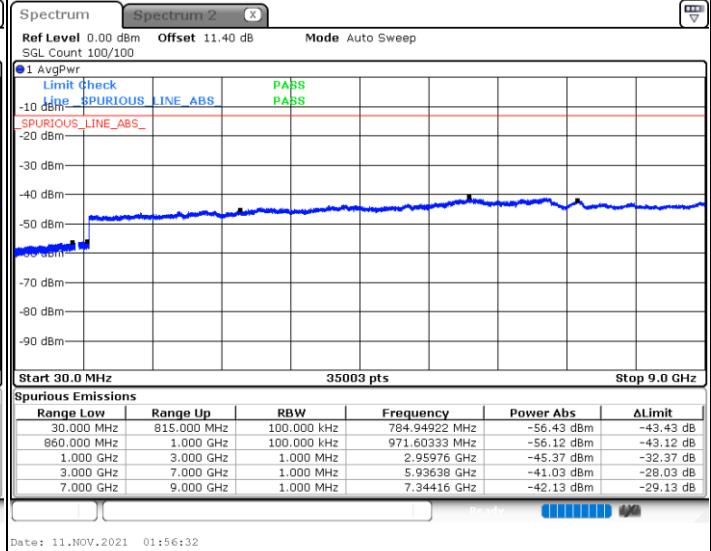


LTE Band 5 / 3MHz

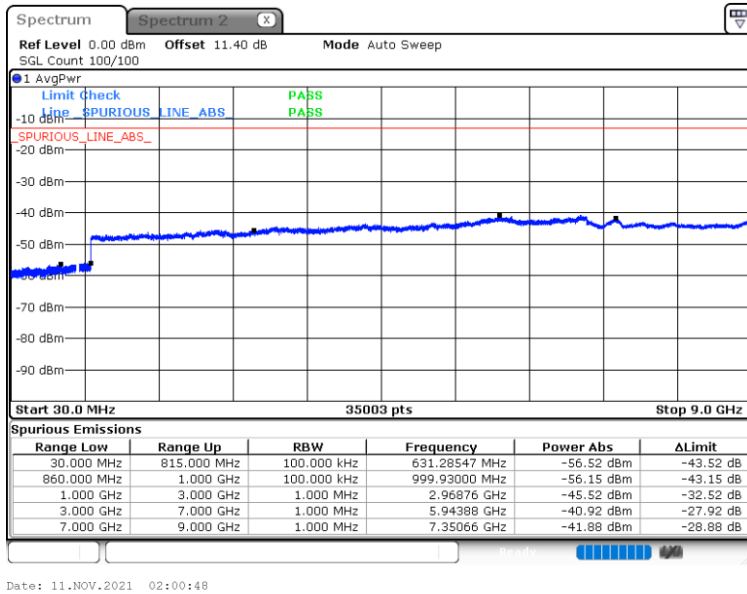
Lowest Channel / QPSK



Middle Channel / QPSK



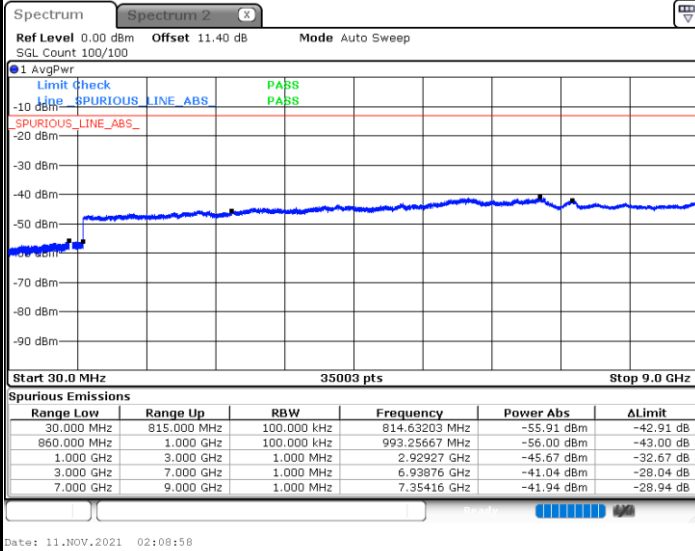
Highest Channel / QPSK



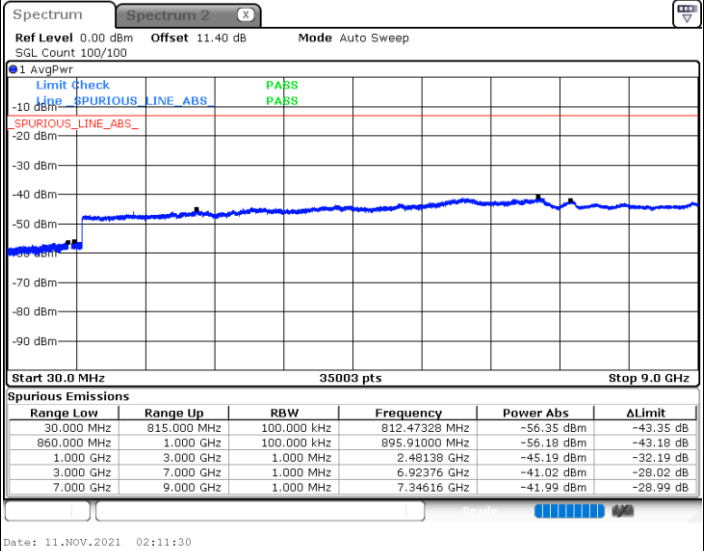


LTE Band 5 / 5MHz

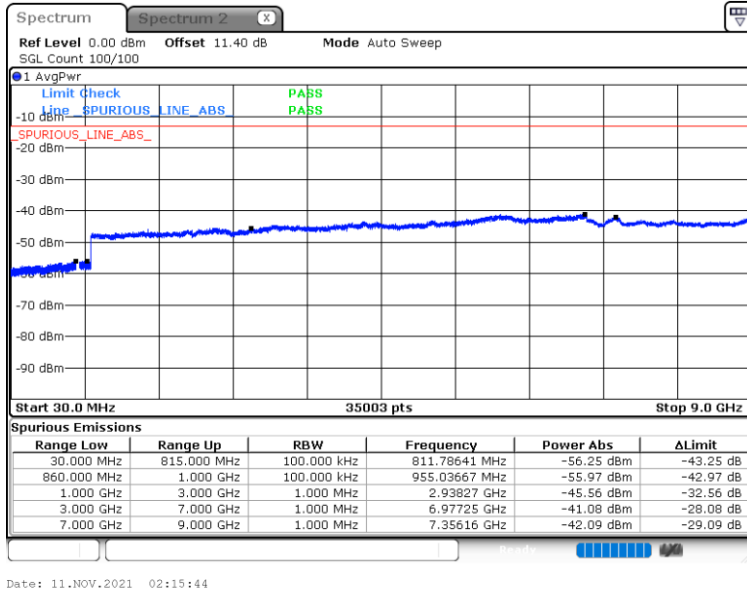
Lowest Channel / QPSK



Middle Channel / QPSK



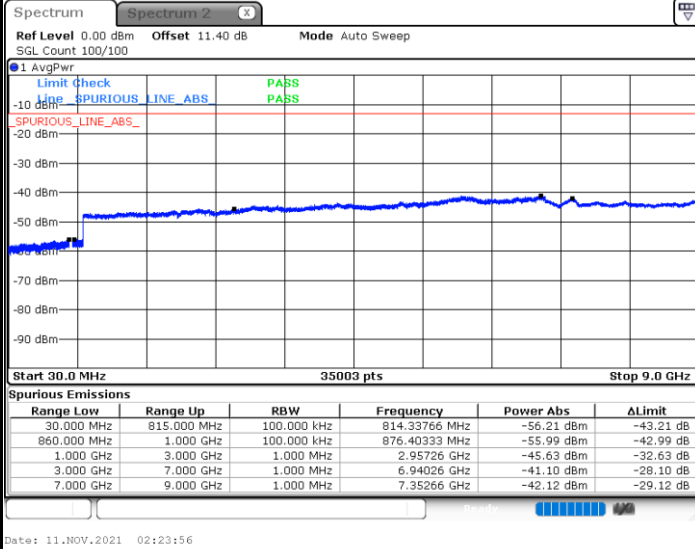
Highest Channel / QPSK



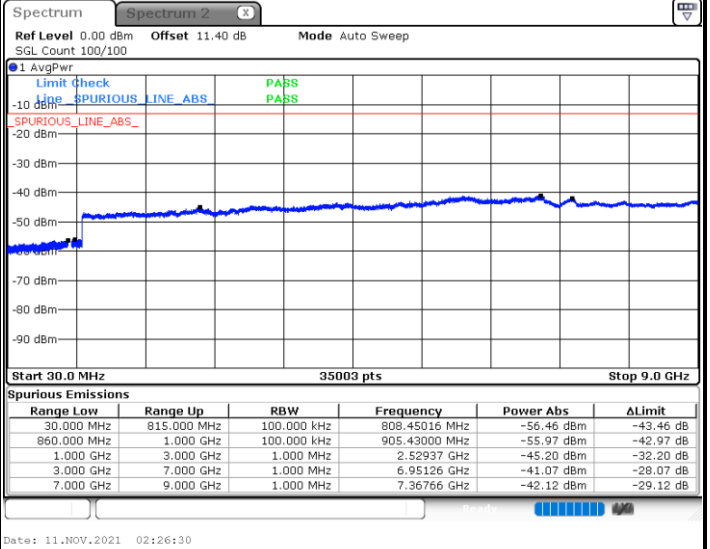


LTE Band 5 / 10MHz

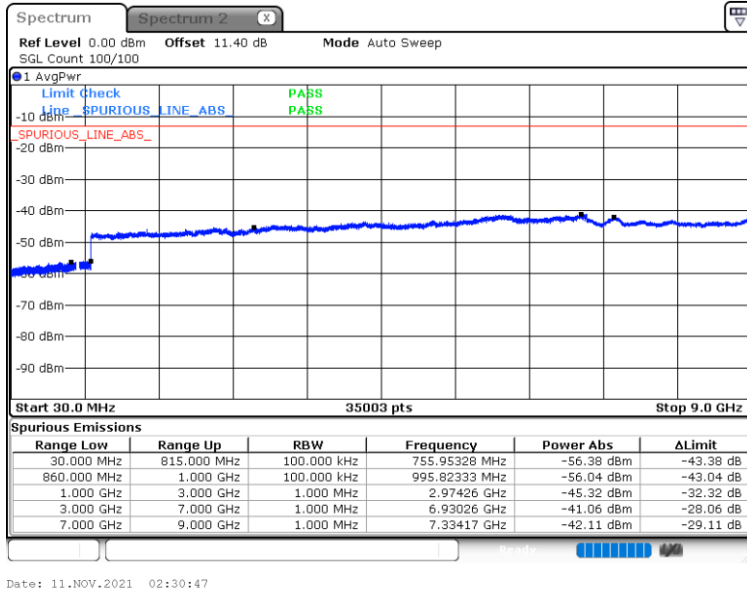
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





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	0.0059	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0073	
0	Normal Voltage	0.0044	
-10	Normal Voltage	0.0042	
-20	Normal Voltage	0.0079	
-30	Normal Voltage	0.0091	
20	Maximum Voltage	0.0123	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

Note:

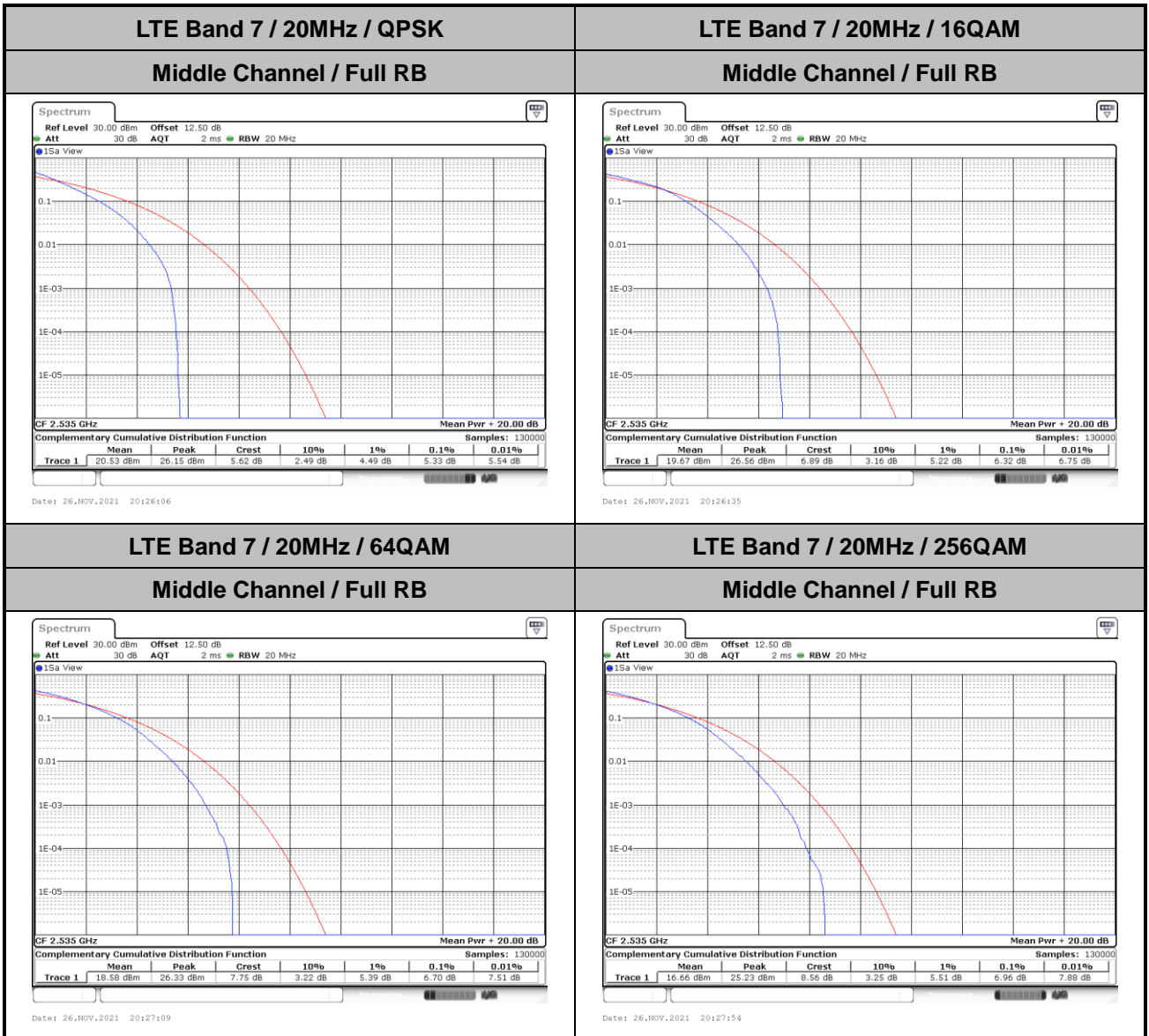
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.33	6.32	6.70	6.96	PASS





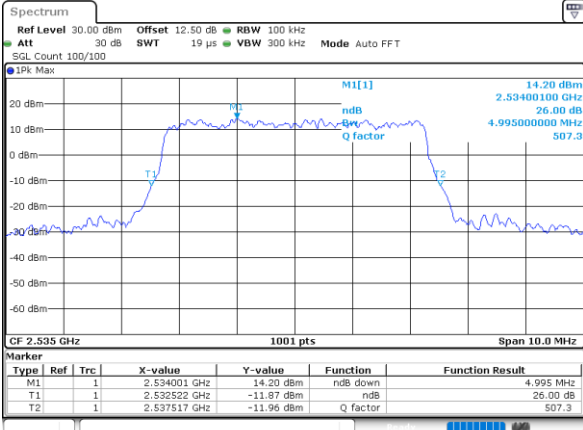
26dB Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	5.00	4.91	9.89	10.27	14.60	14.30	19.10	19.02
Mode	LTE Band 7 : 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	-	-	-	-	5.09	5.05	9.73	9.85	14.57	14.18	19.34	19.58



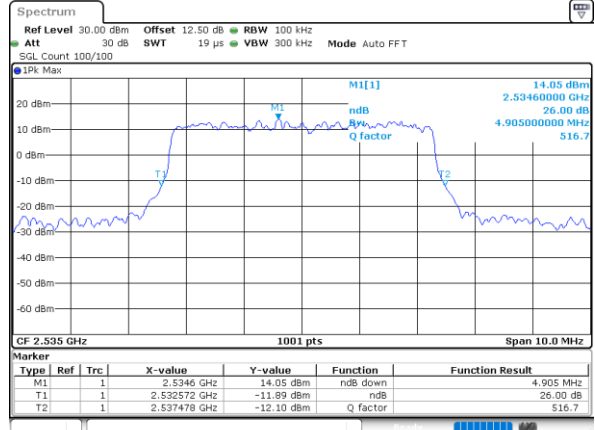
LTE Band 7

Middle Channel / 5MHz / QPSK



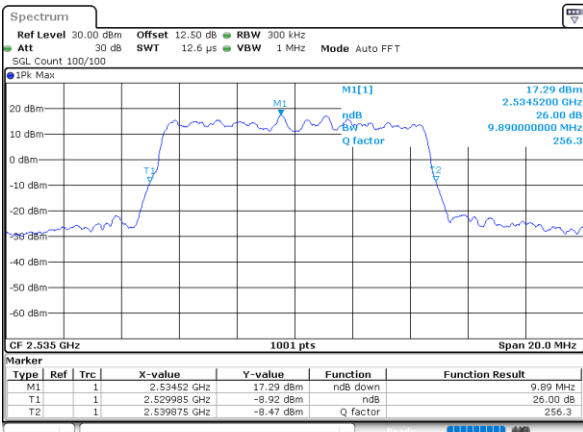
Date: 26.NOV.2021 19:11:16

Middle Channel / 5MHz / 16QAM



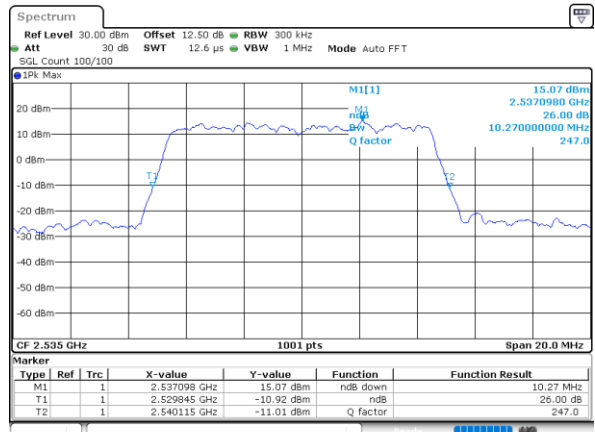
Date: 26.NOV.2021 19:11:37

Middle Channel / 10MHz / QPSK



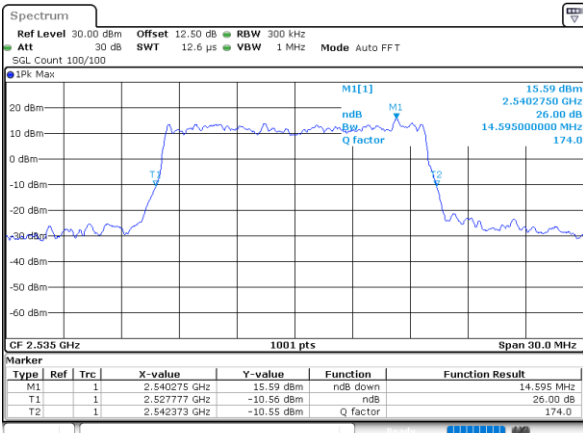
Date: 26.NOV.2021 19:25:16

Middle Channel / 10MHz / 16QAM



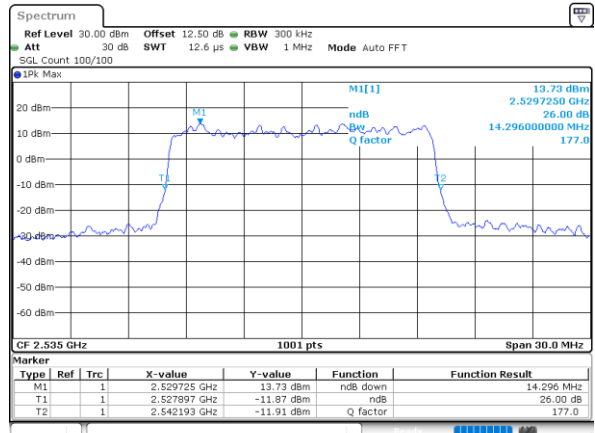
Date: 26.NOV.2021 19:25:37

Middle Channel / 15MHz / QPSK



Date: 26.NOV.2021 19:39:16

Middle Channel / 15MHz / 16QAM

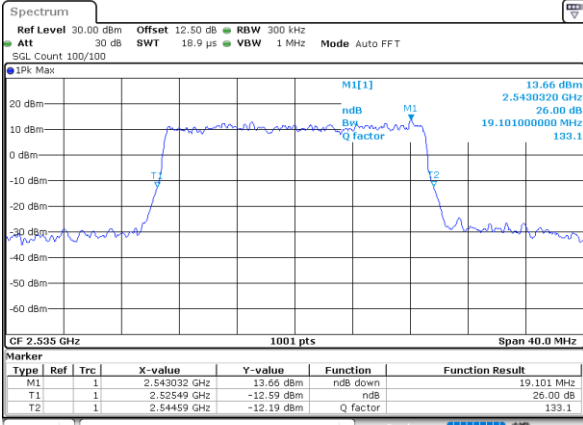


Date: 26.NOV.2021 19:39:37

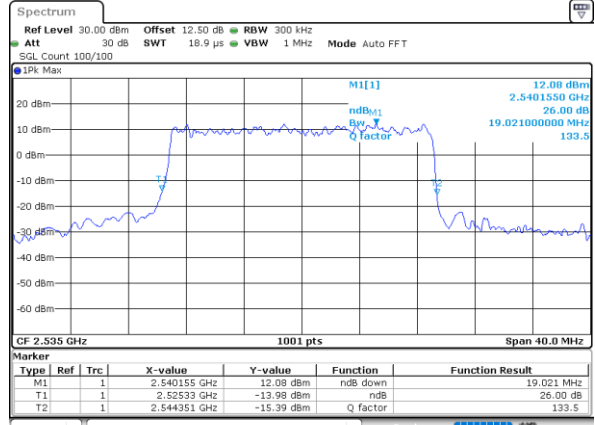


LTE Band 7

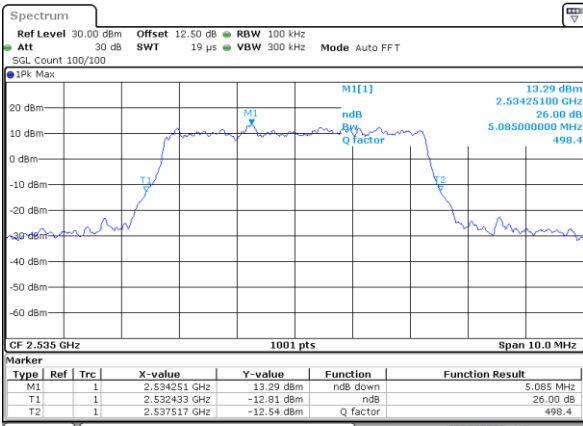
Middle Channel / 20MHz / QPSK



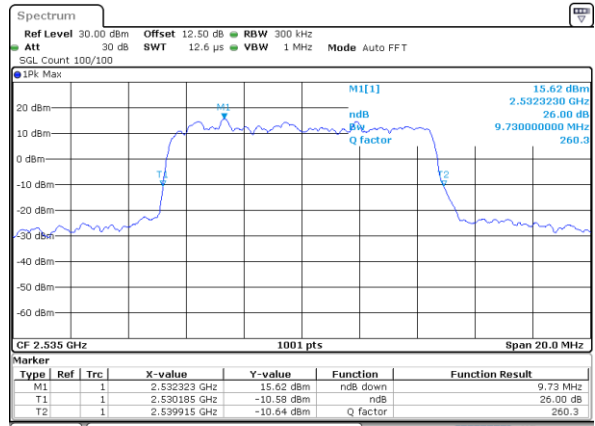
Middle Channel / 20MHz / 16QAM



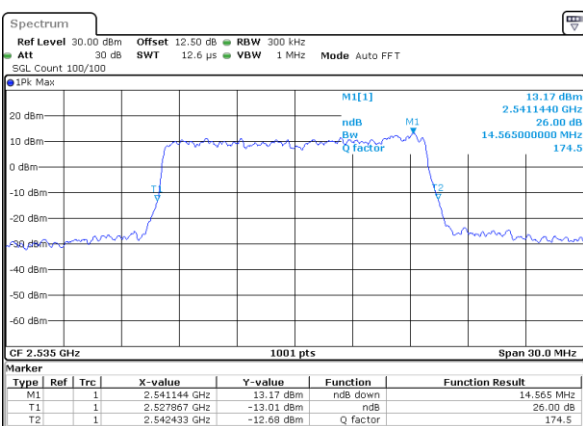
Middle Channel / 5MHz / 64QAM



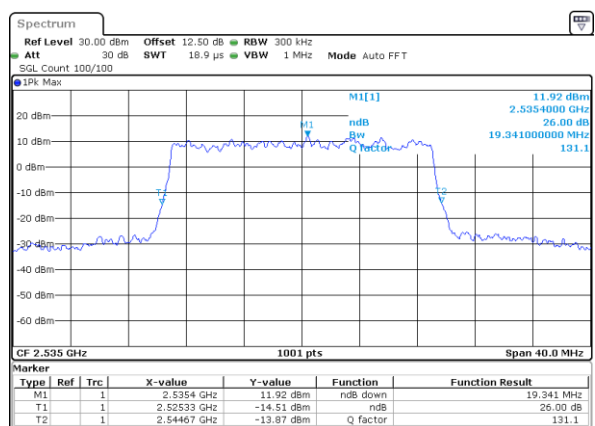
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



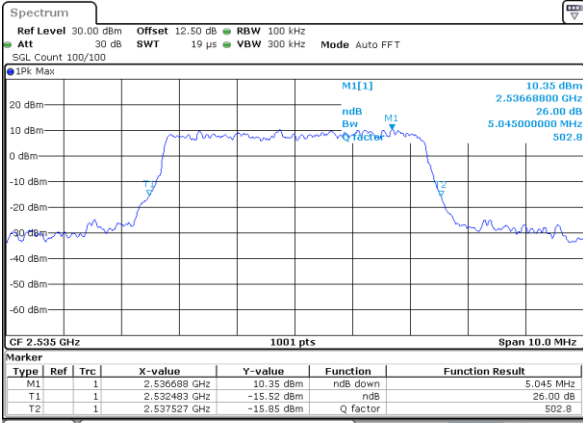
Middle Channel / 20MHz / 64QAM





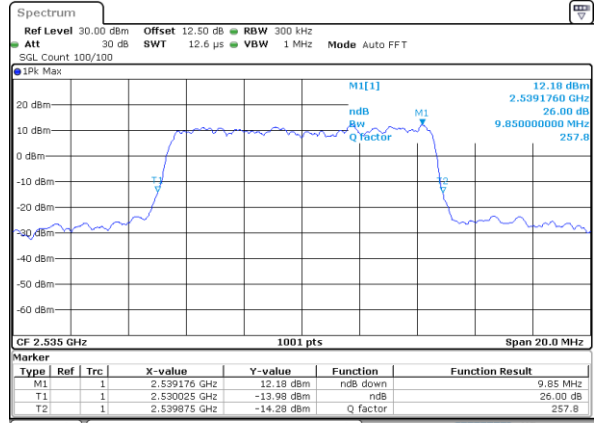
LTE Band 7

Middle Channel / 5MHz / 256QAM



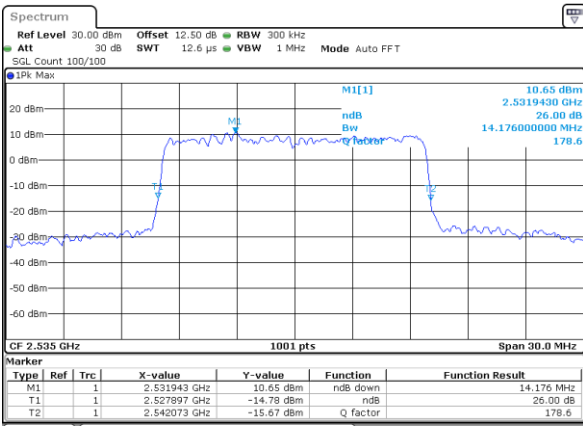
Date: 26.NOV.2021 20:05:43

Middle Channel / 10MHz / 256QAM



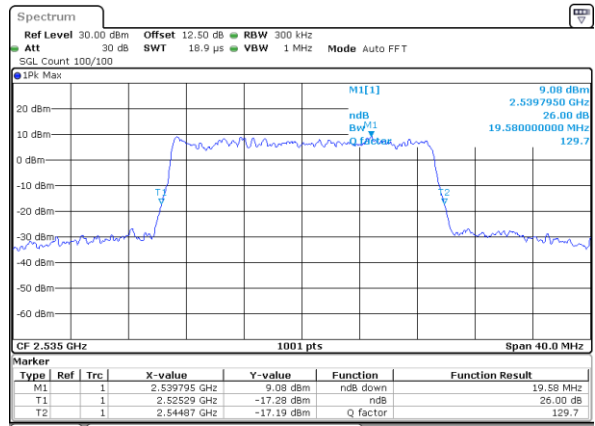
Date: 26.NOV.2021 20:15:10

Middle Channel / 15MHz / 256QAM



Date: 26.NOV.2021 20:19:35

Middle Channel / 20MHz / 256QAM



Date: 26.NOV.2021 20:23:08



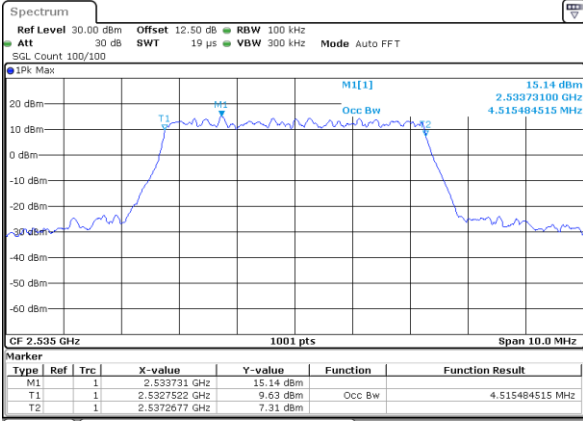
Occupied Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.52	4.50	9.05	9.15	13.46	13.40	17.82	17.94
Mode	LTE Band 7 : 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	-	-	-	-	4.51	4.49	9.05	9.03	13.46	13.46	17.90	17.98



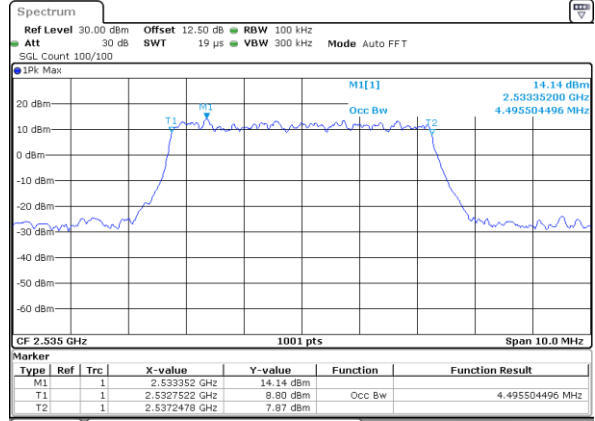
LTE Band 7

Middle Channel / 5MHz / QPSK



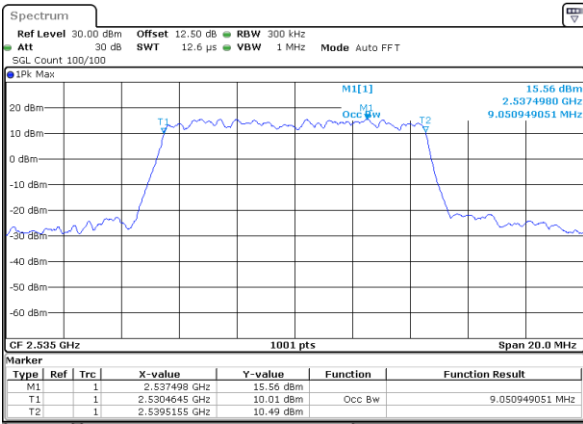
Date: 26.NOV.2021 19:10:34

Middle Channel / 5MHz / 16QAM



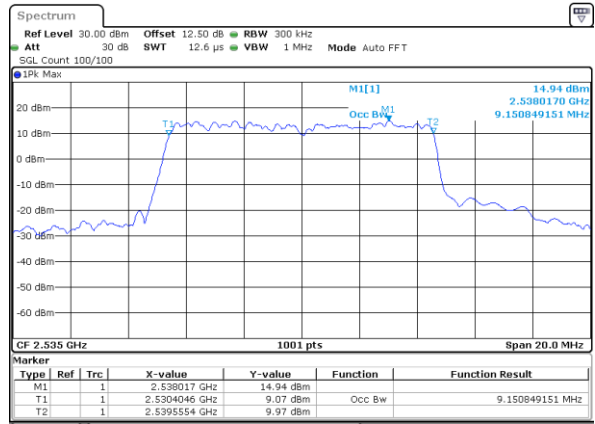
Date: 26.NOV.2021 19:10:55

Middle Channel / 10MHz / QPSK



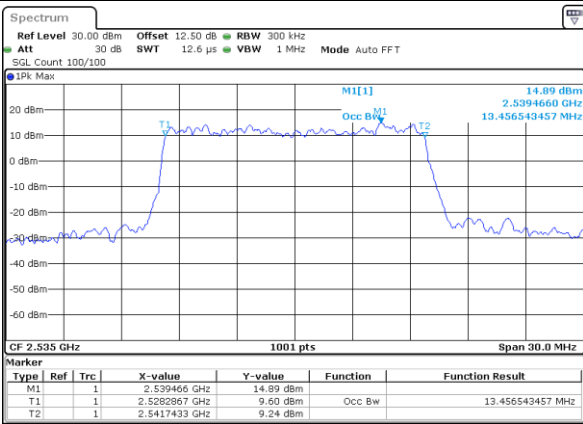
Date: 26.NOV.2021 19:24:34

Middle Channel / 10MHz / 16QAM



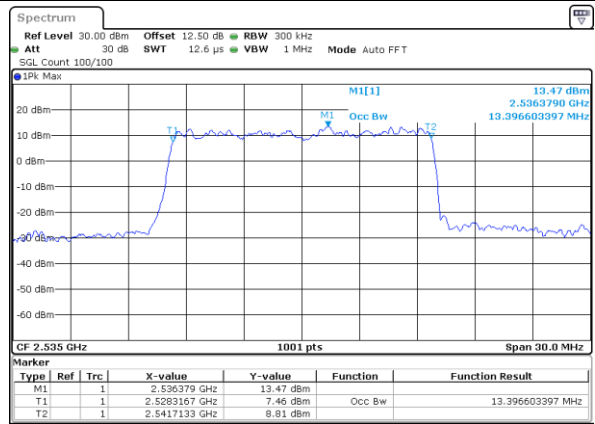
Date: 26.NOV.2021 19:24:55

Middle Channel / 15MHz / QPSK



Date: 26.NOV.2021 19:38:34

Middle Channel / 15MHz / 16QAM

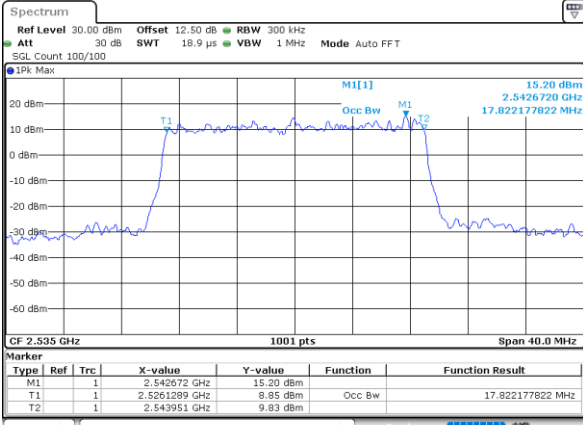


Date: 26.NOV.2021 19:38:55



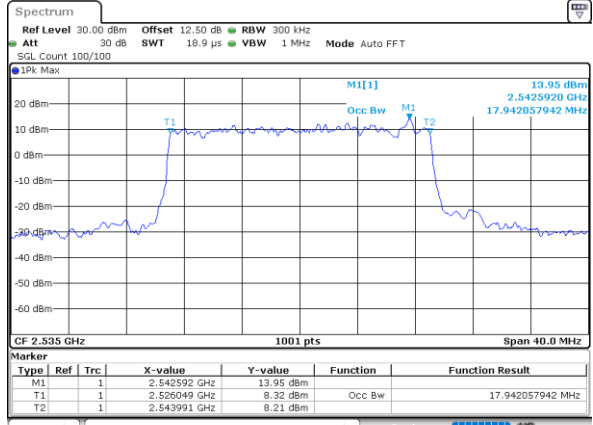
LTE Band 7

Middle Channel / 20MHz / QPSK



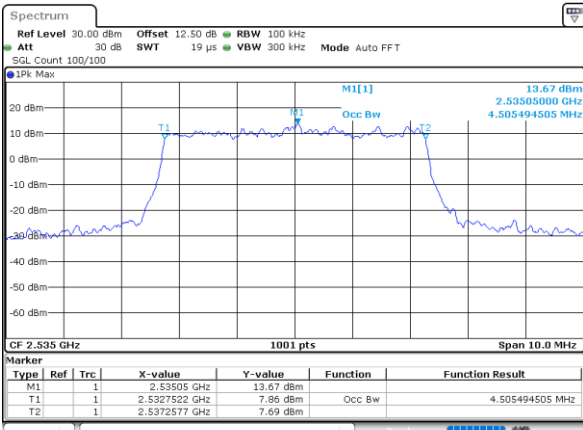
Date: 26.NOV.2021 19:52:13

Middle Channel / 20MHz / 16QAM



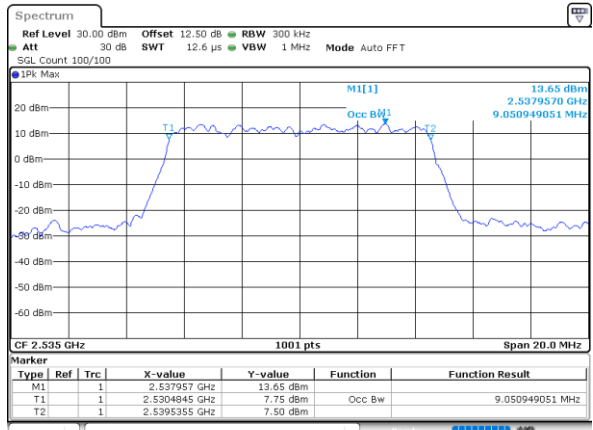
Date: 26.NOV.2021 19:52:55

Middle Channel / 5MHz / 64QAM



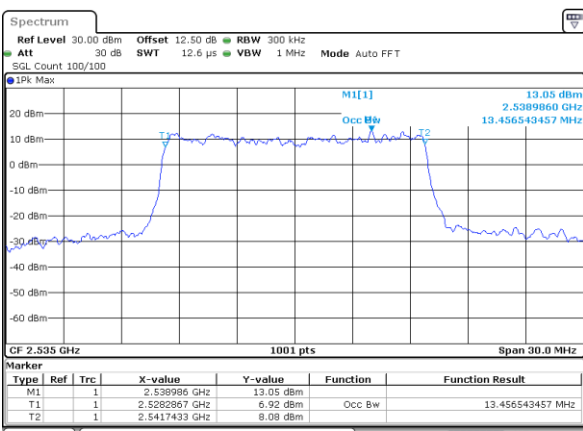
Date: 26.NOV.2021 19:18:30

Middle Channel / 10MHz / 64QAM



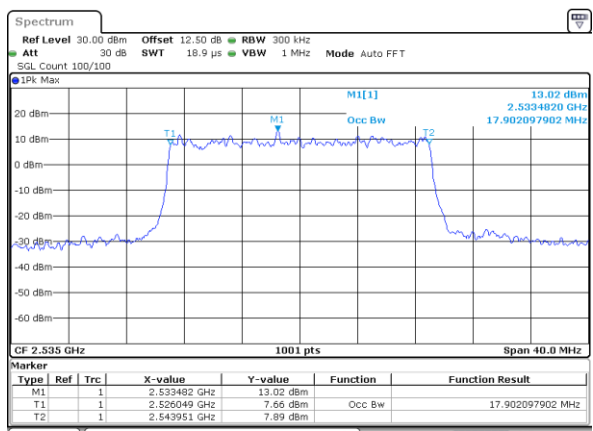
Date: 26.NOV.2021 19:32:28

Middle Channel / 15MHz / 64QAM



Date: 26.NOV.2021 19:46:30

Middle Channel / 20MHz / 64QAM



Date: 26.NOV.2021 20:00:28