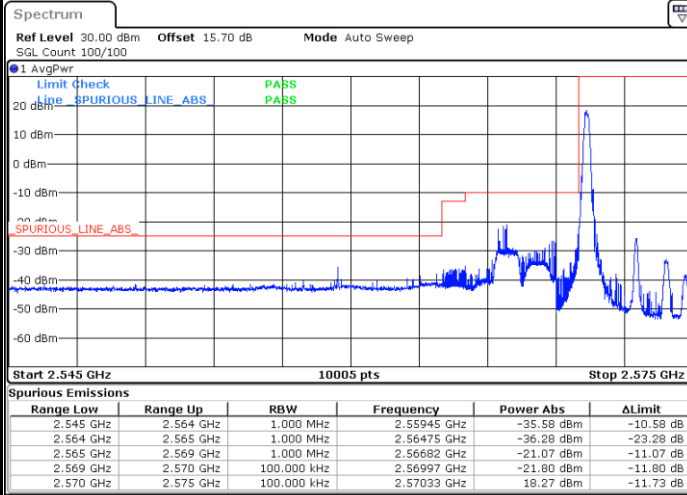




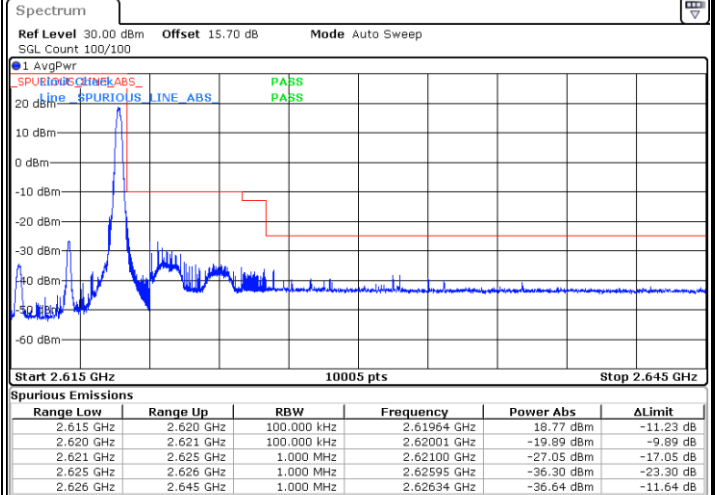
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



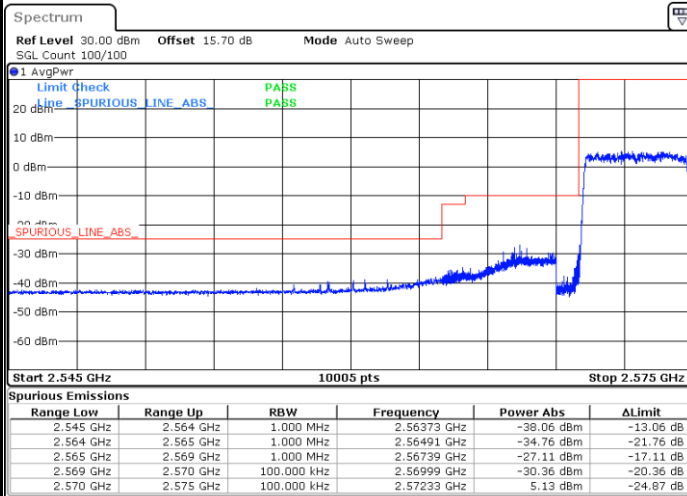
Date: 24.MAY.2021 08:32:57

Highest Band Edge / 1 RB



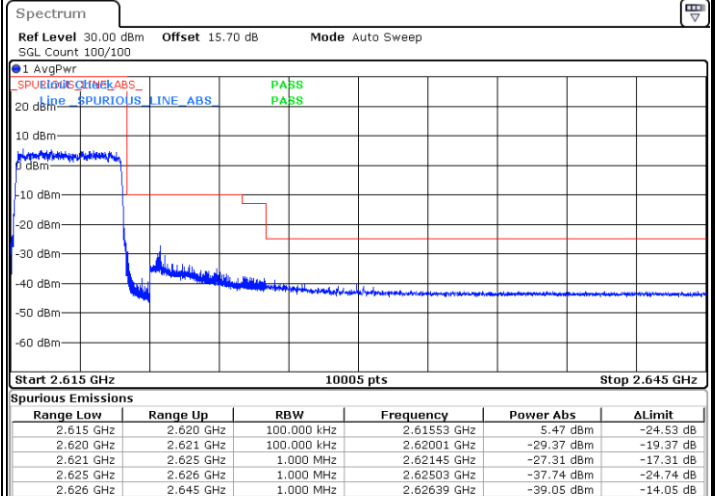
Date: 24.MAY.2021 08:34:14

Lowest Band Edge / Full RB



Date: 24.MAY.2021 08:33:22

Highest Band Edge / Full RB

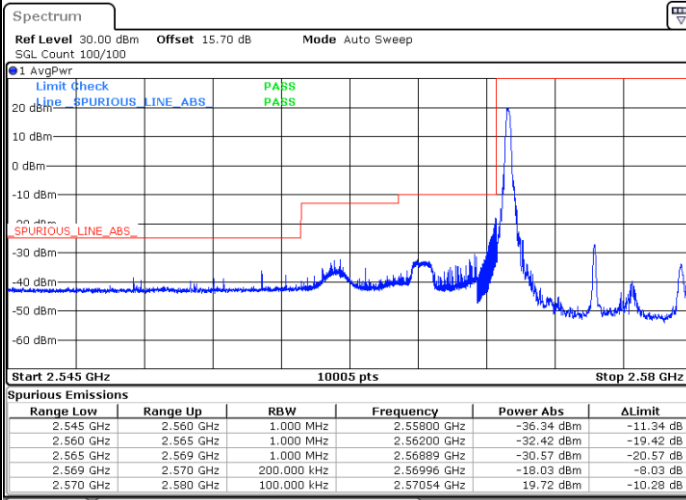


Date: 24.MAY.2021 08:33:48



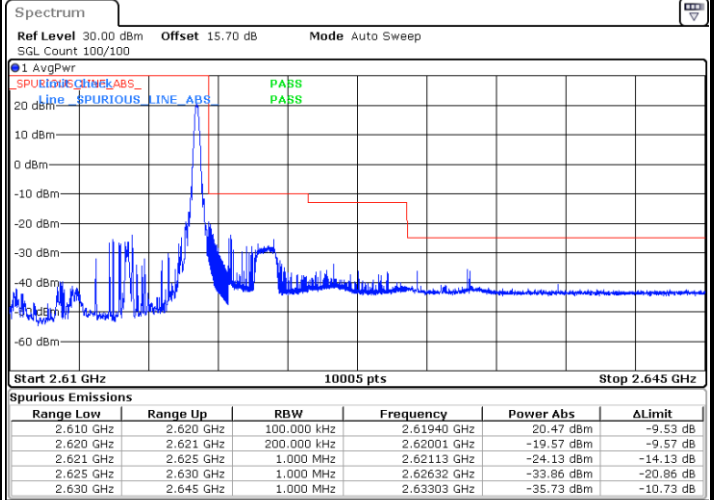
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



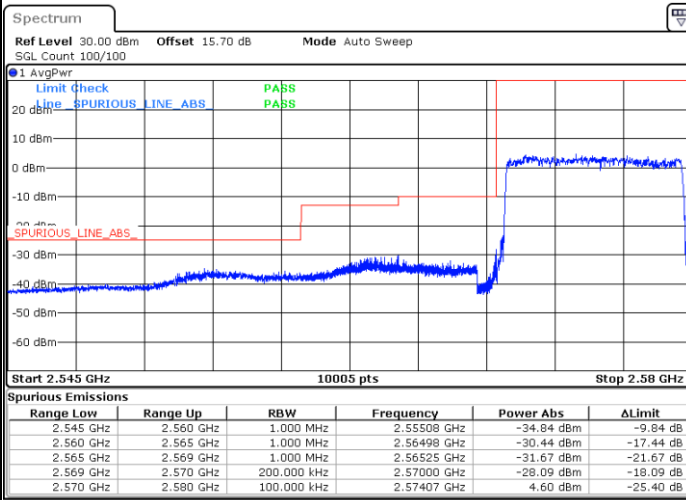
Date: 24.MAY.2021 08:36:23

Highest Band Edge / 1 RB



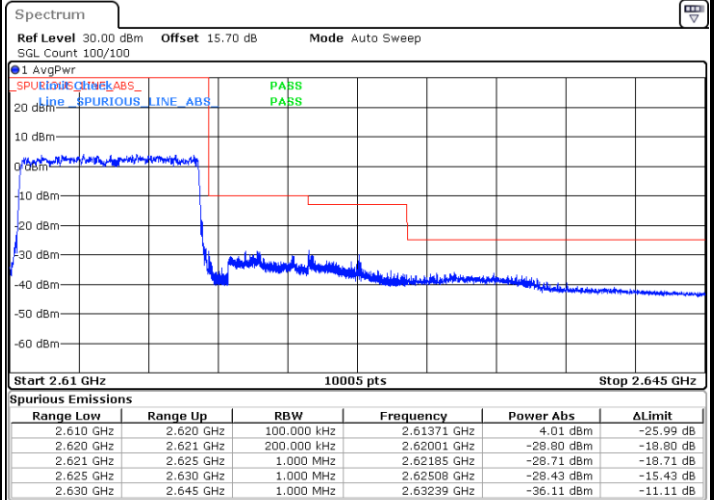
Date: 24.MAY.2021 08:38:58

Lowest Band Edge / Full RB



Date: 24.MAY.2021 08:37:15

Highest Band Edge / Full RB

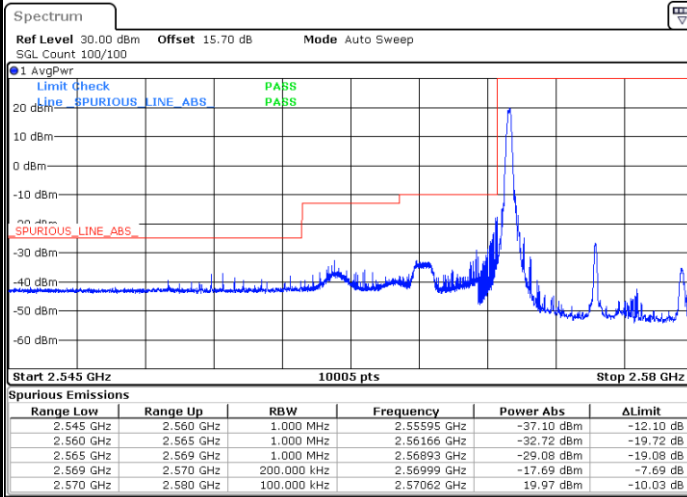


Date: 24.MAY.2021 08:38:06



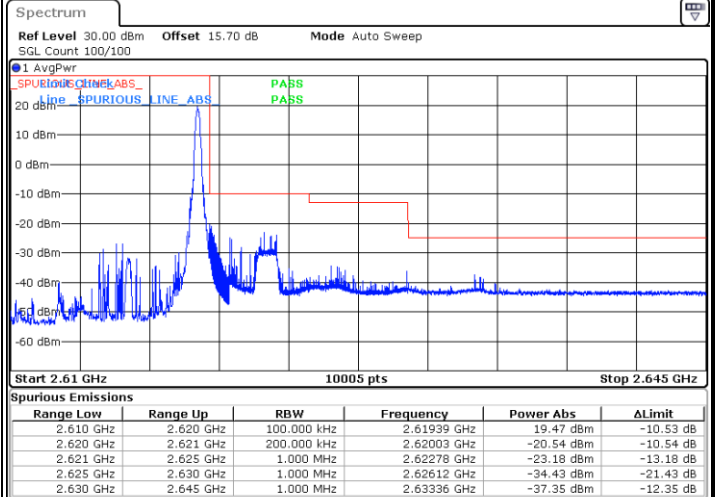
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



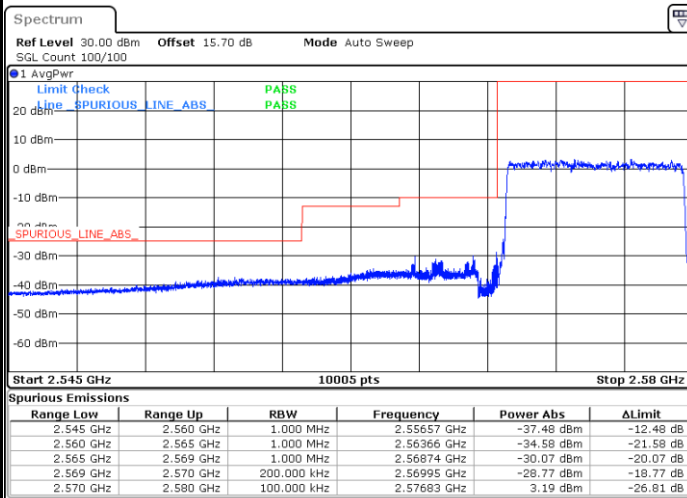
Date: 24.MAY.2021 08:36:49

Highest Band Edge / 1 RB



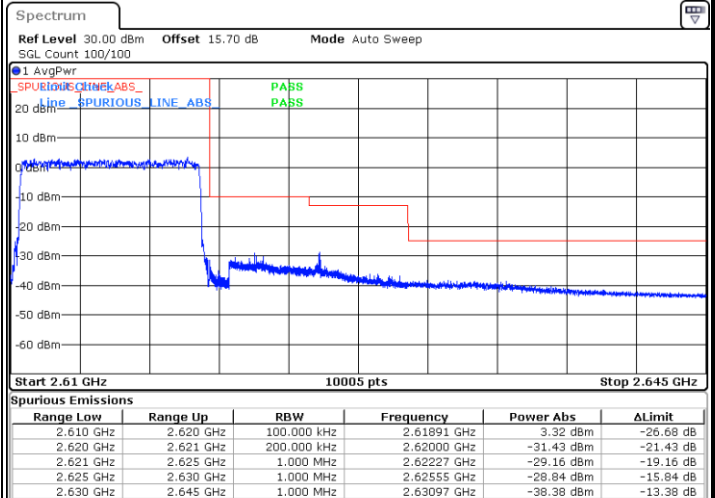
Date: 24.MAY.2021 08:39:24

Lowest Band Edge / Full RB



Date: 24.MAY.2021 08:37:40

Highest Band Edge / Full RB

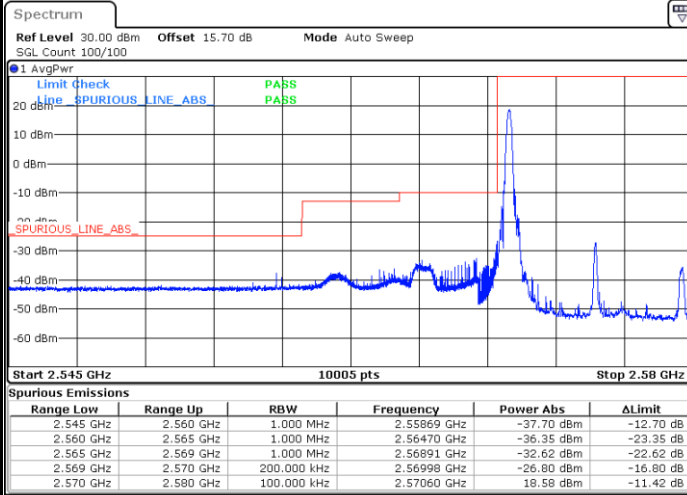


Date: 24.MAY.2021 08:38:32



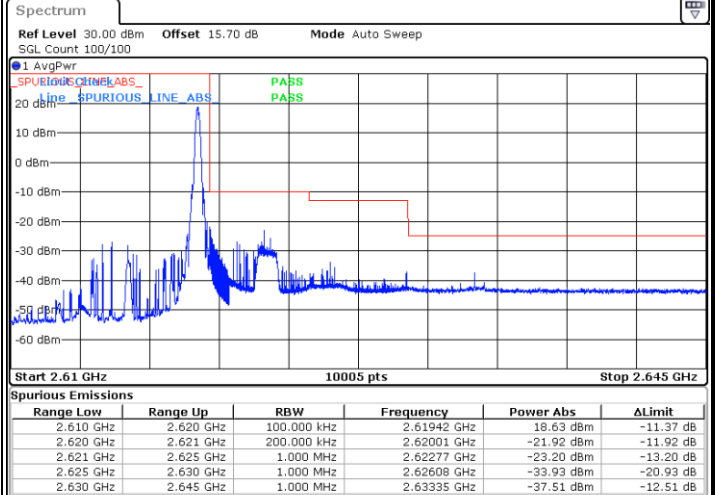
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



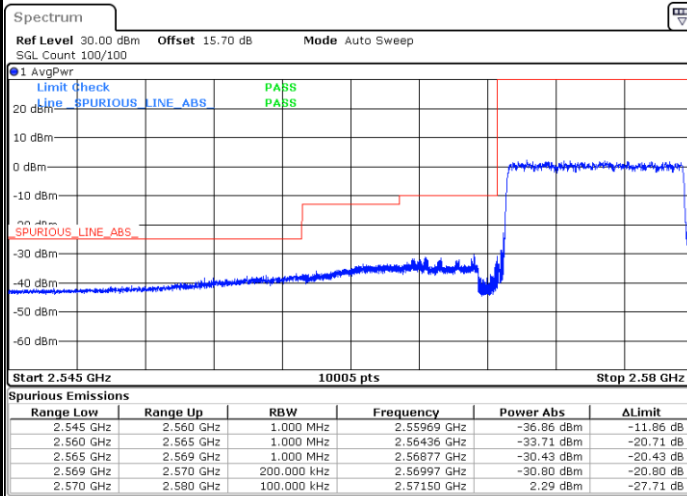
Date: 24.MAY.2021 08:34:40

Highest Band Edge / 1 RB



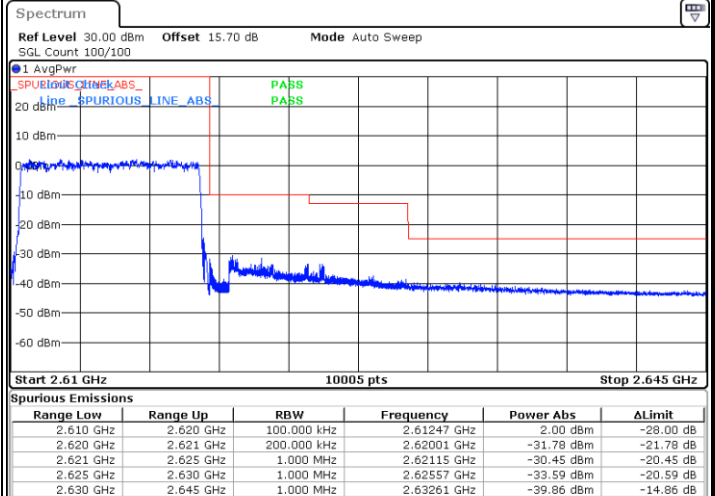
Date: 24.MAY.2021 08:35:57

Lowest Band Edge / Full RB



Date: 24.MAY.2021 08:35:06

Highest Band Edge / Full RB

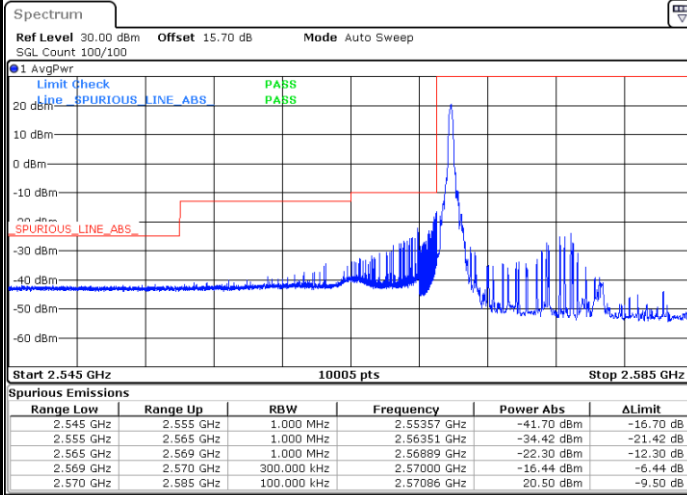


Date: 24.MAY.2021 08:35:31



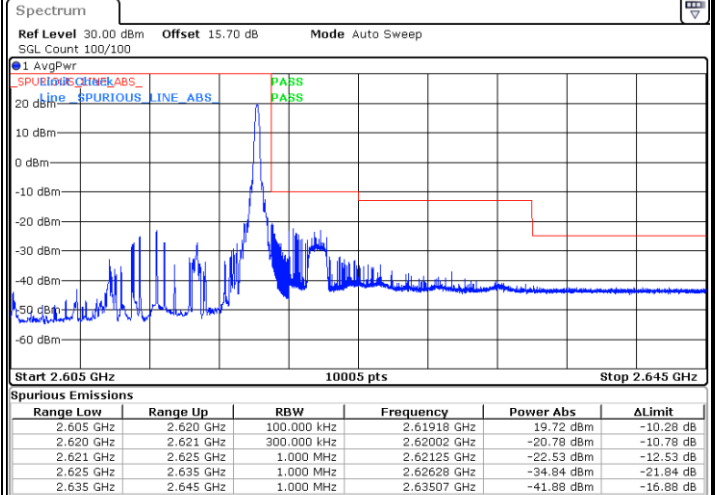
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB



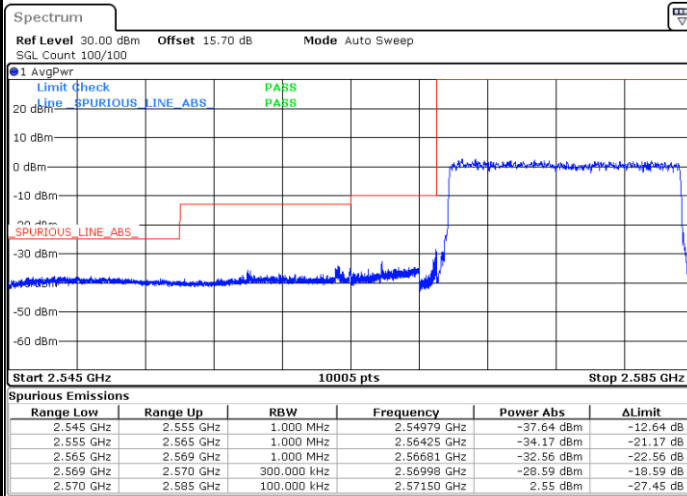
Date: 24.MAY.2021 08:39:50

Highest Band Edge / 1 RB



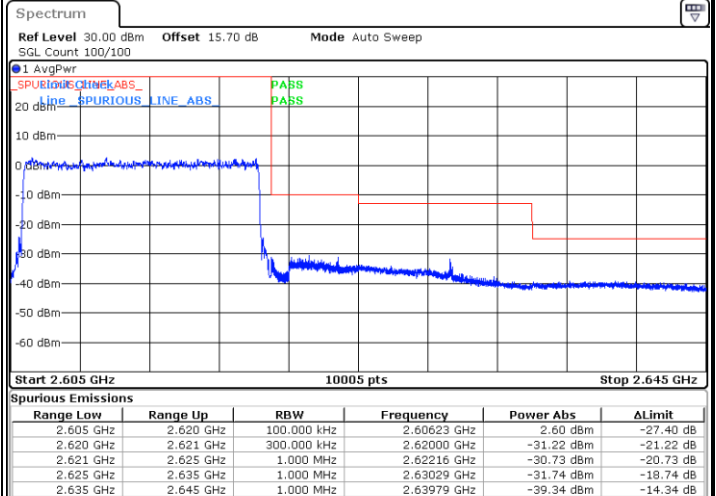
Date: 24.MAY.2021 08:42:25

Lowest Band Edge / Full RB



Date: 24.MAY.2021 08:40:42

Highest Band Edge / Full RB

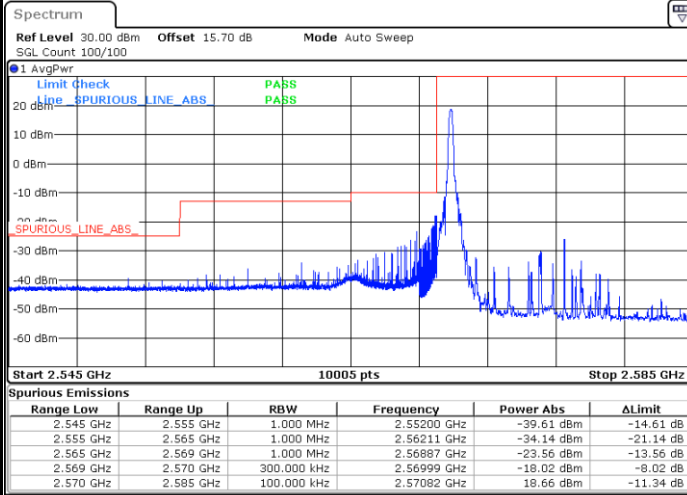


Date: 24.MAY.2021 08:41:33



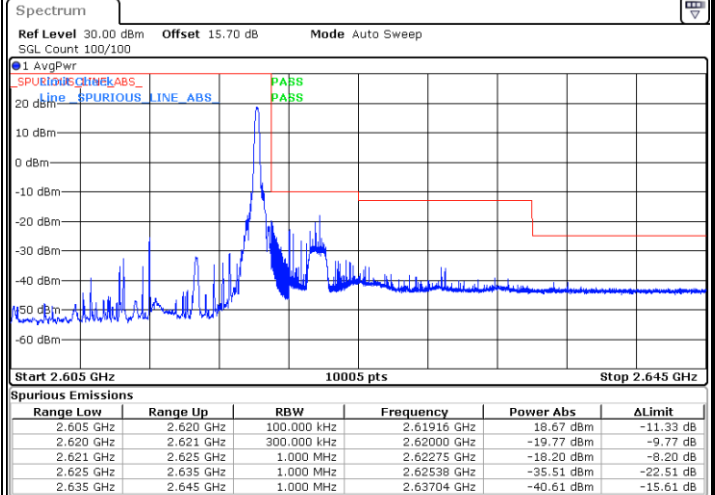
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



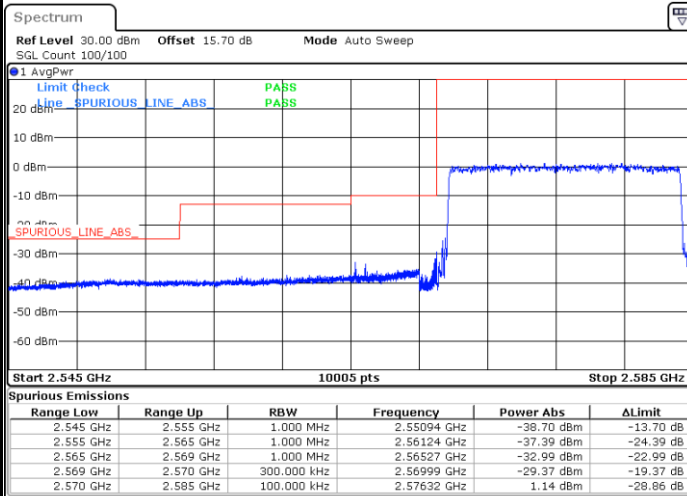
Date: 24.MAY.2021 08:40:16

Highest Band Edge / 1 RB



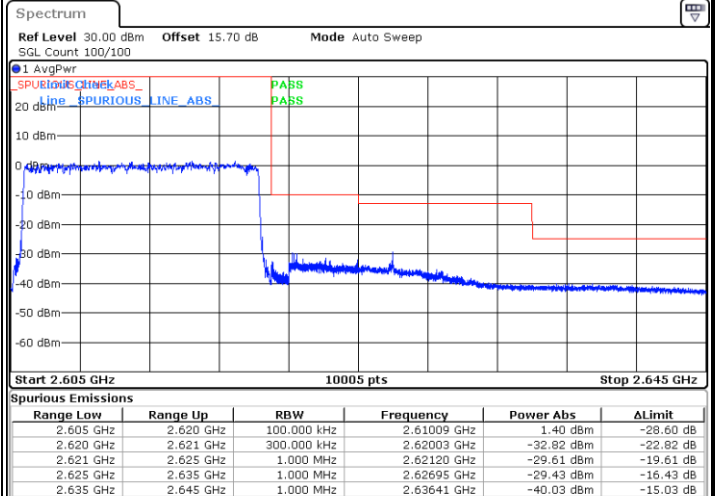
Date: 24.MAY.2021 08:42:51

Lowest Band Edge / Full RB



Date: 24.MAY.2021 08:41:07

Highest Band Edge / Full RB

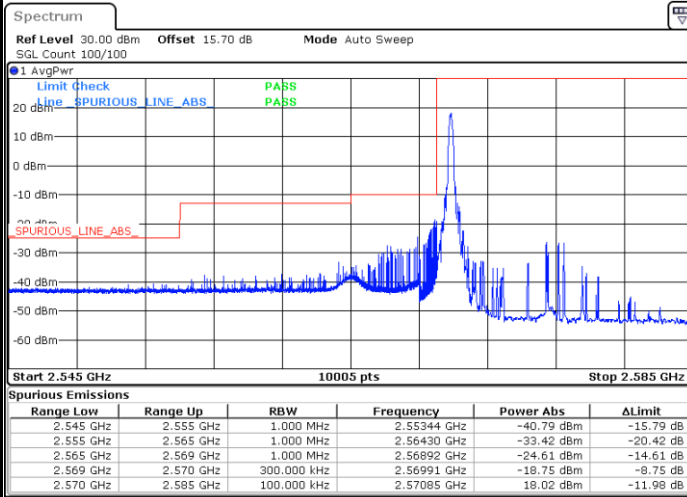


Date: 24.MAY.2021 08:41:59



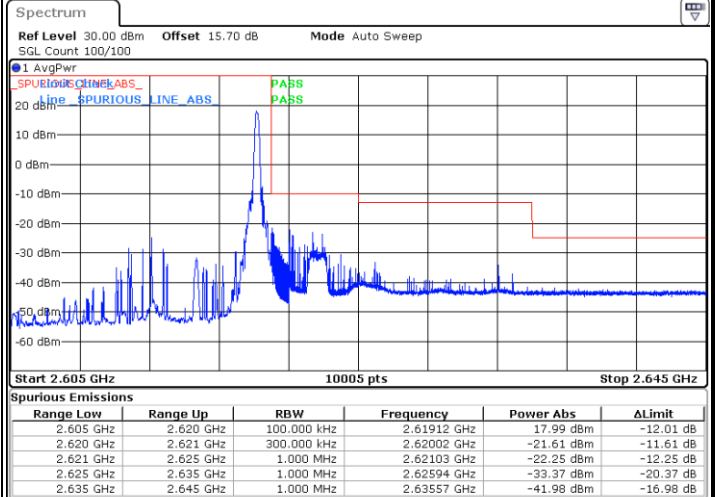
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



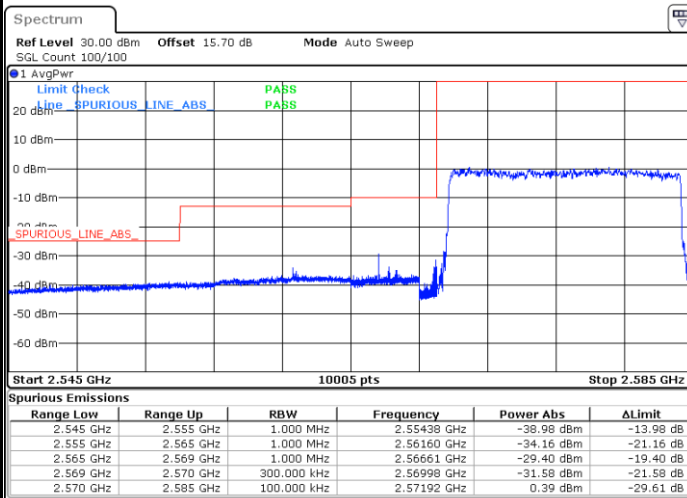
Date: 24.MAY.2021 08:43:17

Highest Band Edge / 1 RB



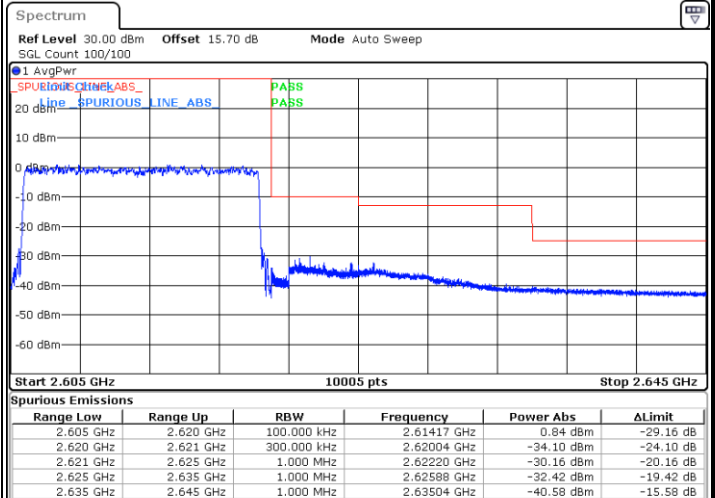
Date: 24.MAY.2021 11:14:31

Lowest Band Edge / Full RB



Date: 24.MAY.2021 11:13:54

Highest Band Edge / Full RB

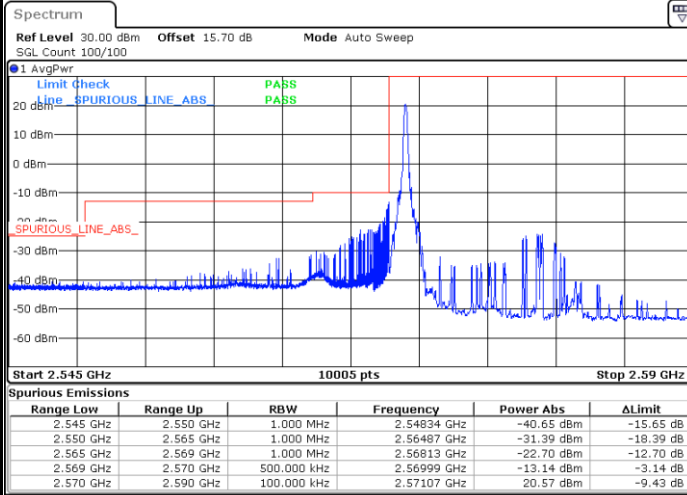


Date: 24.MAY.2021 10:37:29



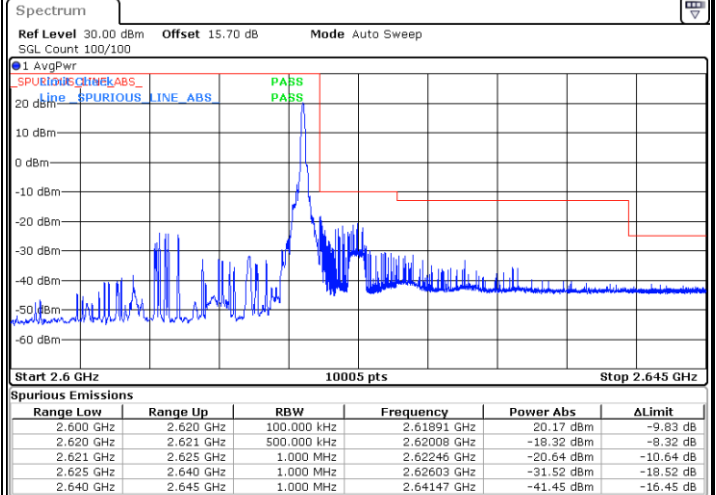
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB



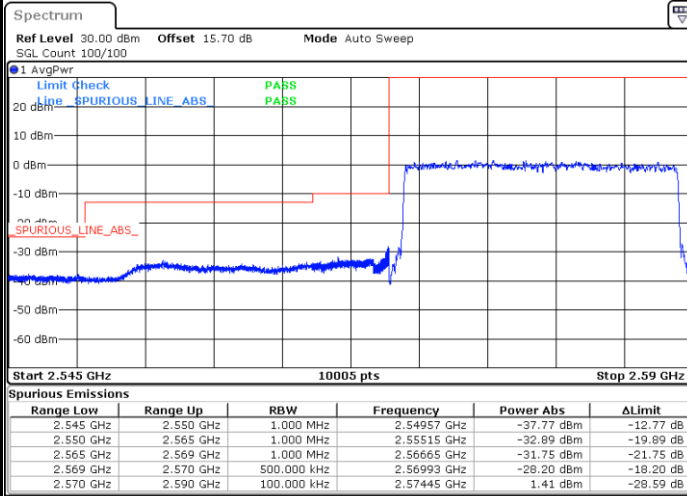
Date: 24.MAY.2021 10:39:43

Highest Band Edge / 1 RB



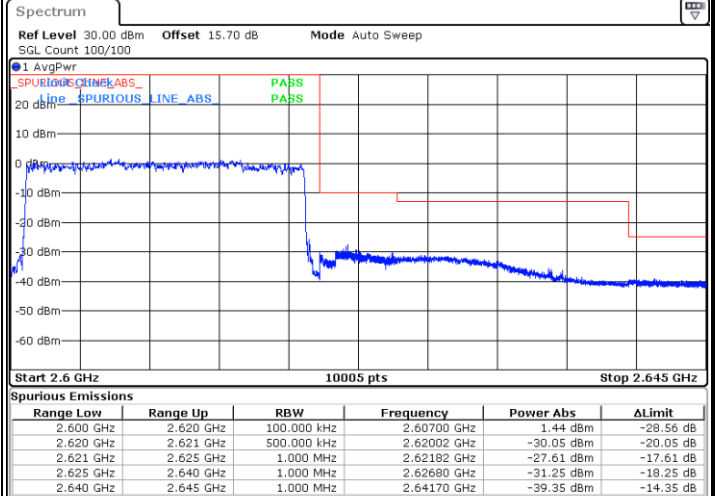
Date: 24.MAY.2021 10:48:05

Lowest Band Edge / Full RB



Date: 24.MAY.2021 10:46:18

Highest Band Edge / Full RB

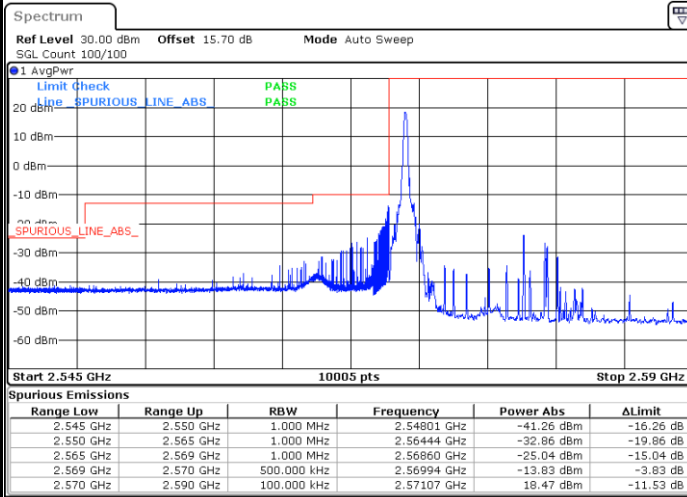


Date: 24.MAY.2021 10:47:11



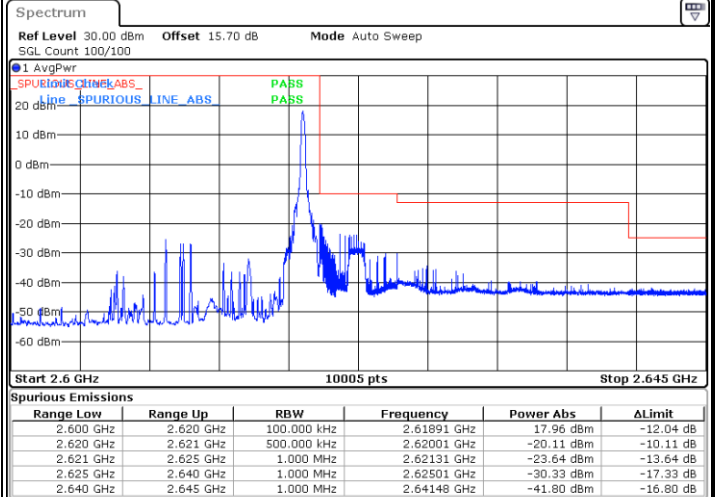
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



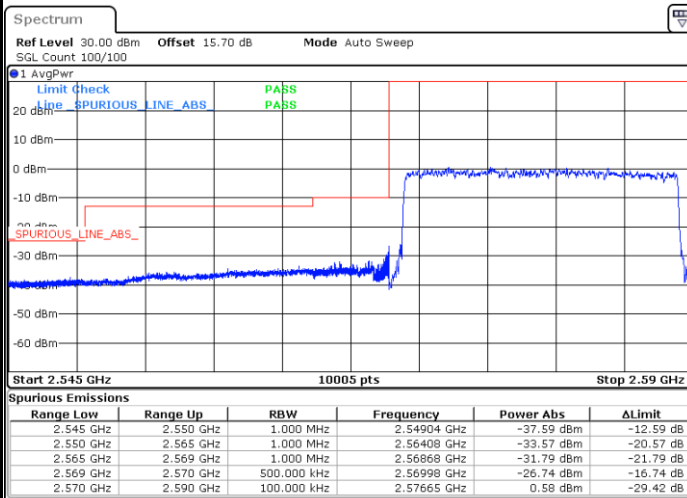
Date: 24.MAY.2021 10:45:52

Highest Band Edge / 1 RB



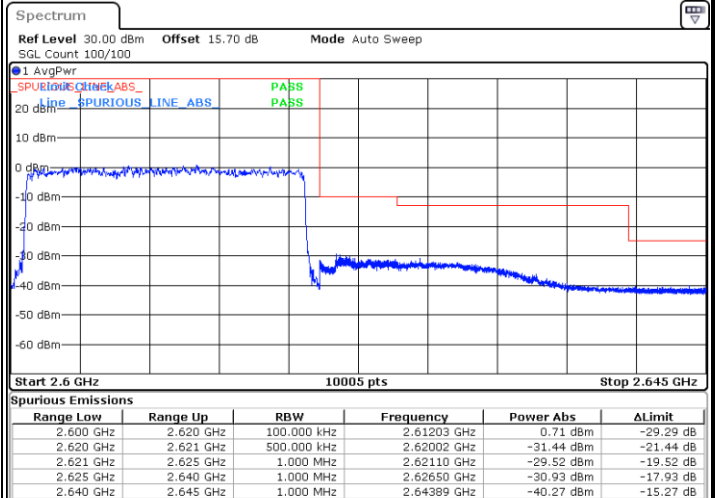
Date: 24.MAY.2021 10:46:32

Lowest Band Edge / Full RB



Date: 24.MAY.2021 10:46:44

Highest Band Edge / Full RB

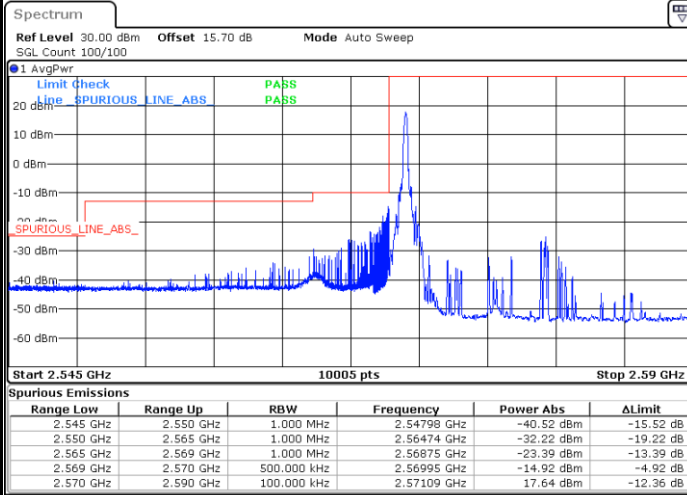


Date: 24.MAY.2021 10:47:38



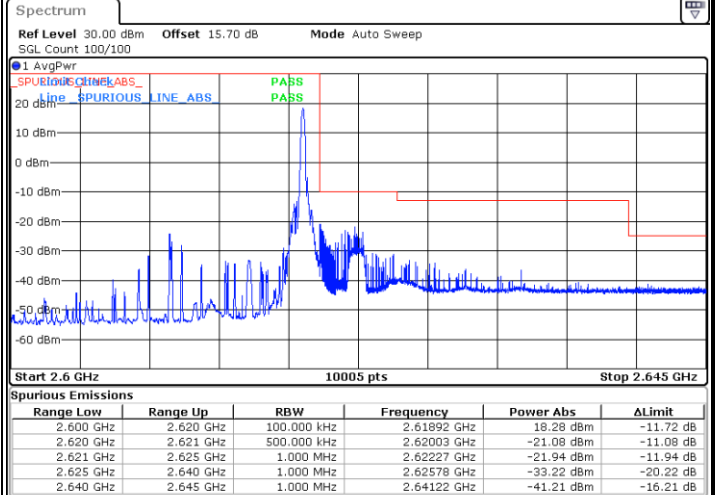
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



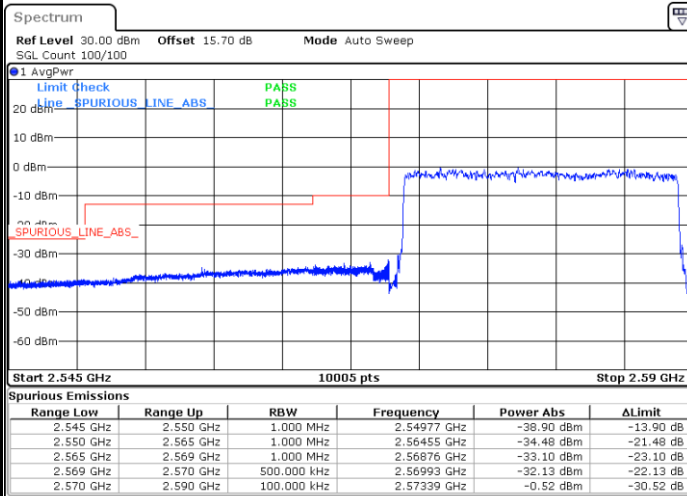
Date: 24.MAY.2021 10:48:58

Highest Band Edge / 1 RB



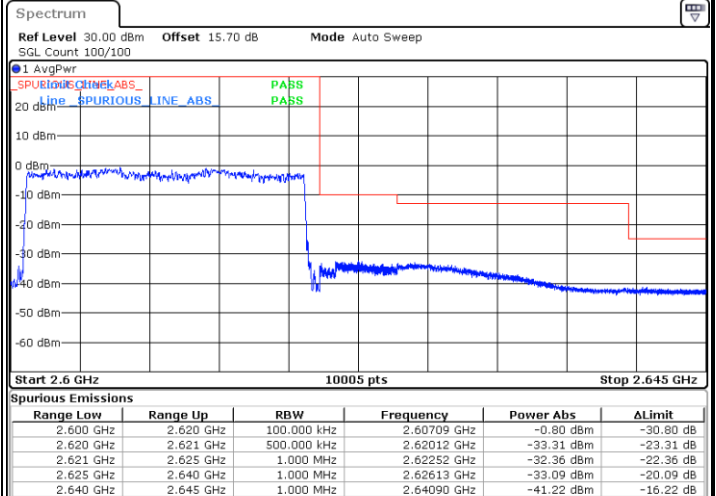
Date: 24.MAY.2021 10:50:16

Lowest Band Edge / Full RB



Date: 24.MAY.2021 10:49:24

Highest Band Edge / Full RB



Date: 24.MAY.2021 10:49:50

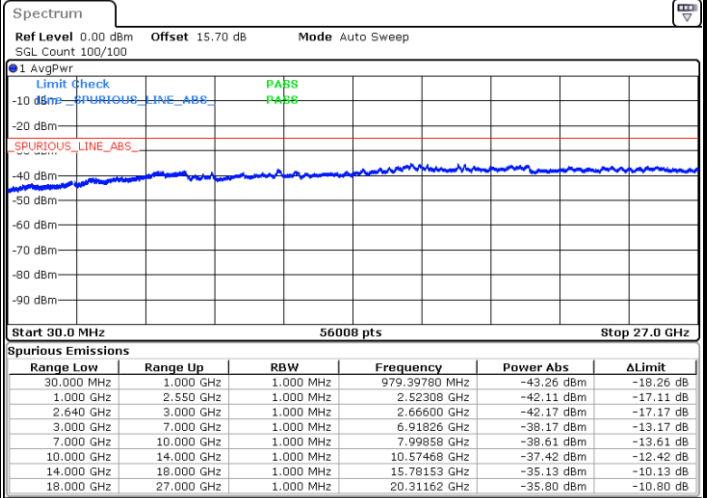
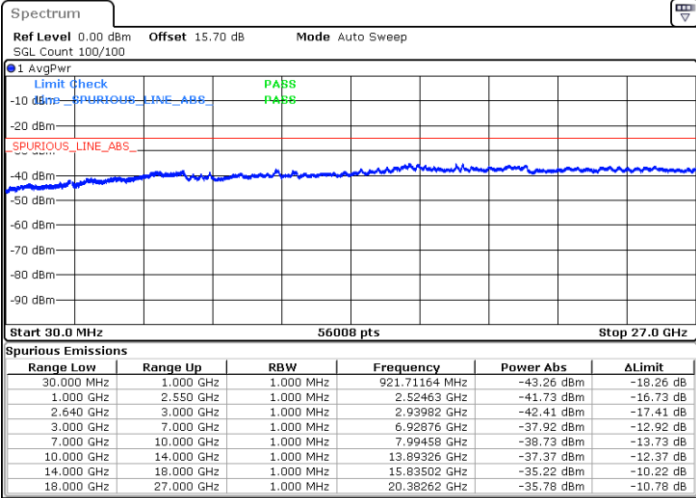


Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

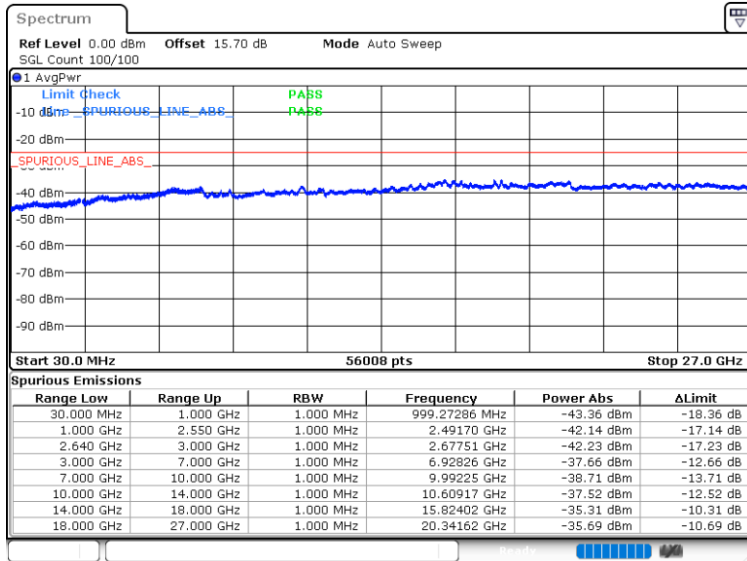
Middle Channel / QPSK



Date: 24.MAY.2021 10:51:18

Date: 24.MAY.2021 10:52:19

Highest Channel / QPSK



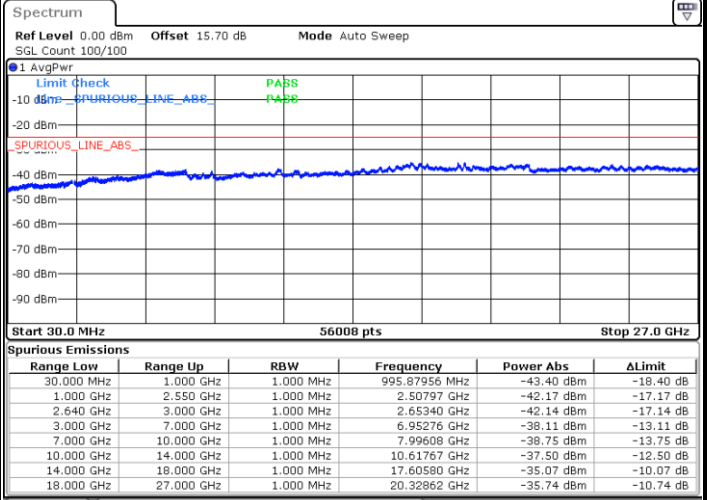
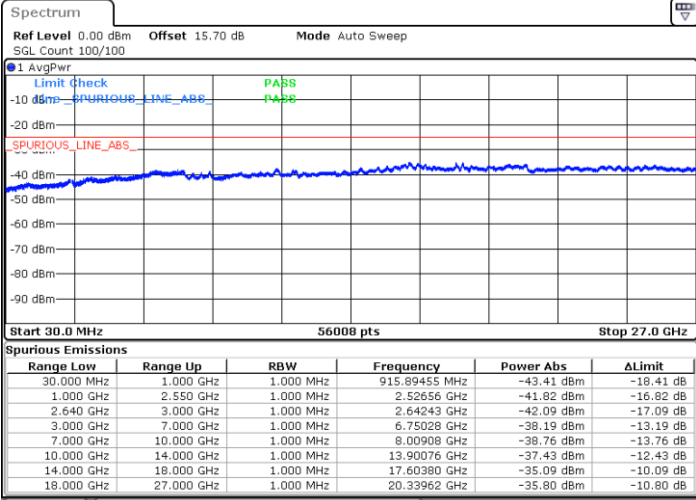
Date: 24.MAY.2021 10:53:20



LTE Band 38 / 10MHz

Lowest Channel / QPSK

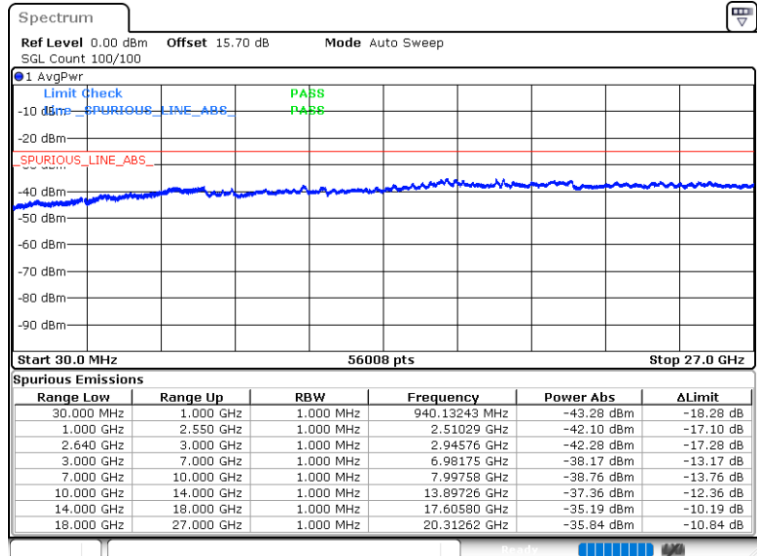
Middle Channel / QPSK



Date: 24.MAY.2021 10:54:21

Date: 24.MAY.2021 10:55:22

Highest Channel / QPSK



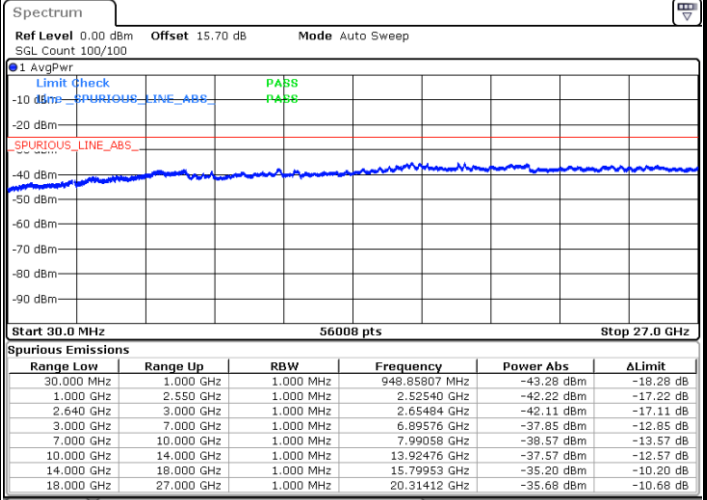
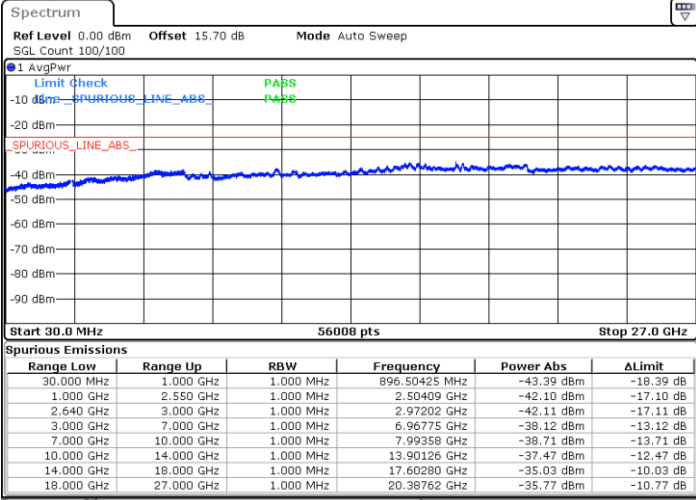
Date: 24.MAY.2021 10:56:22



LTE Band 38 / 15MHz

Lowest Channel / QPSK

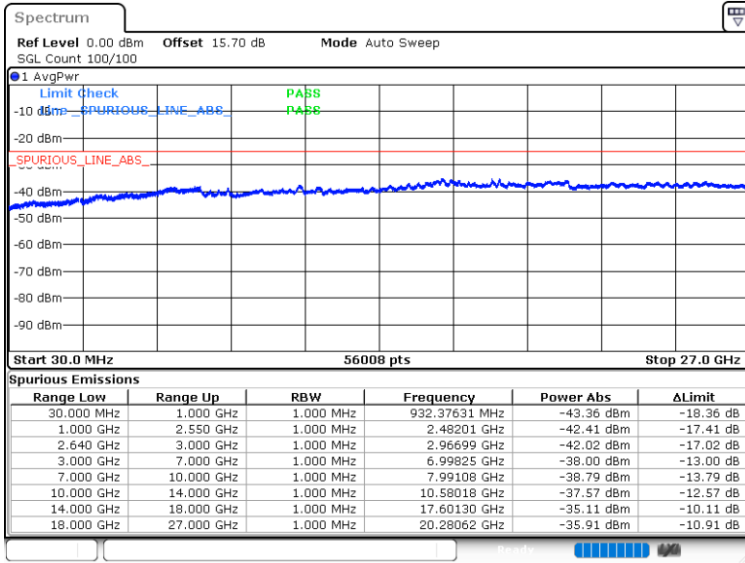
Middle Channel / QPSK



Date: 24.MAY.2021 10:57:24

Date: 24.MAY.2021 10:58:26

Highest Channel / QPSK



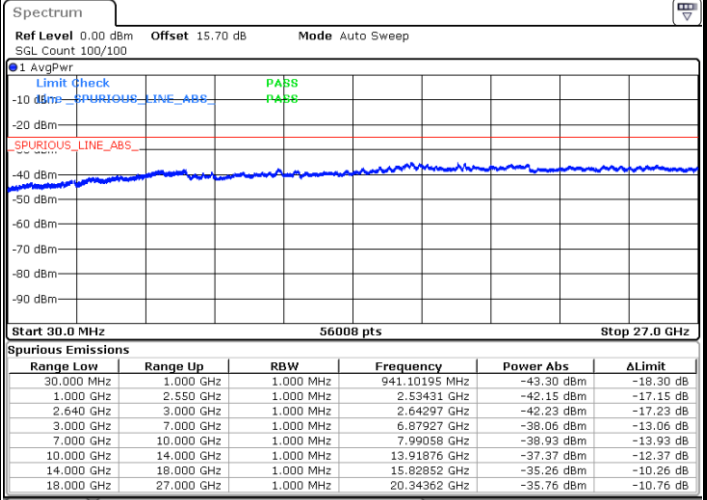
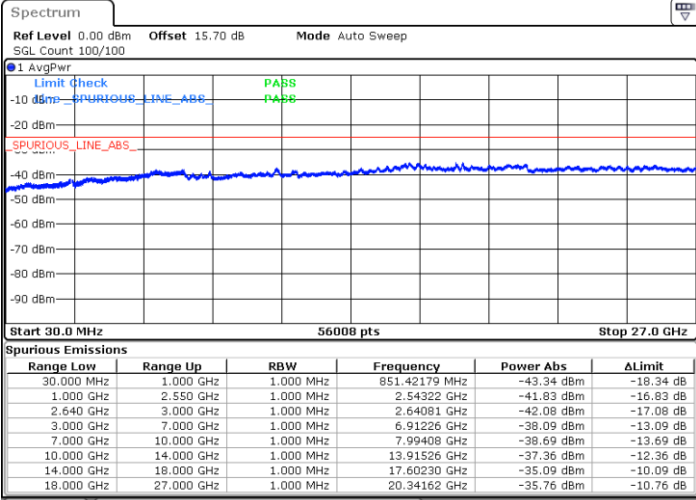
Date: 24.MAY.2021 10:59:28



LTE Band 38 / 20MHz

Lowest Channel / QPSK

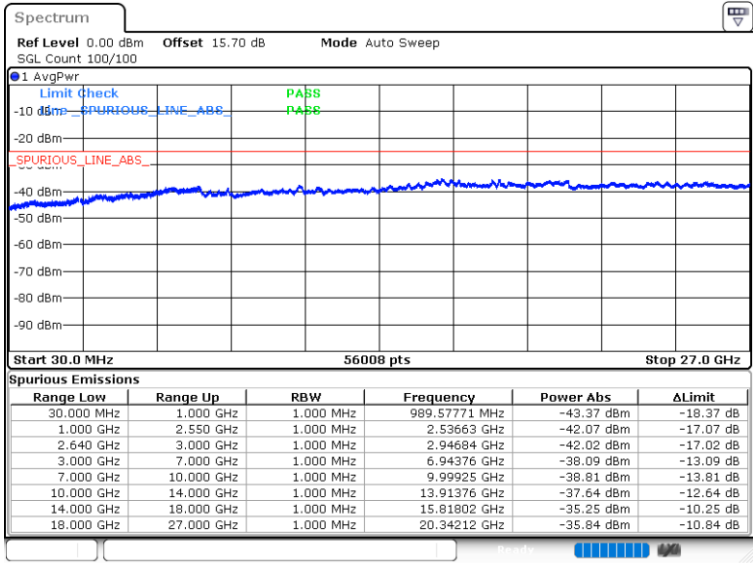
Middle Channel / QPSK



Date: 24.MAY.2021 11:15:46

Date: 24.MAY.2021 11:16:47

Highest Channel / QPSK



Date: 24.MAY.2021 11:17:48



Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0052	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0050	
0	Normal Voltage	0.0063	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0076	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

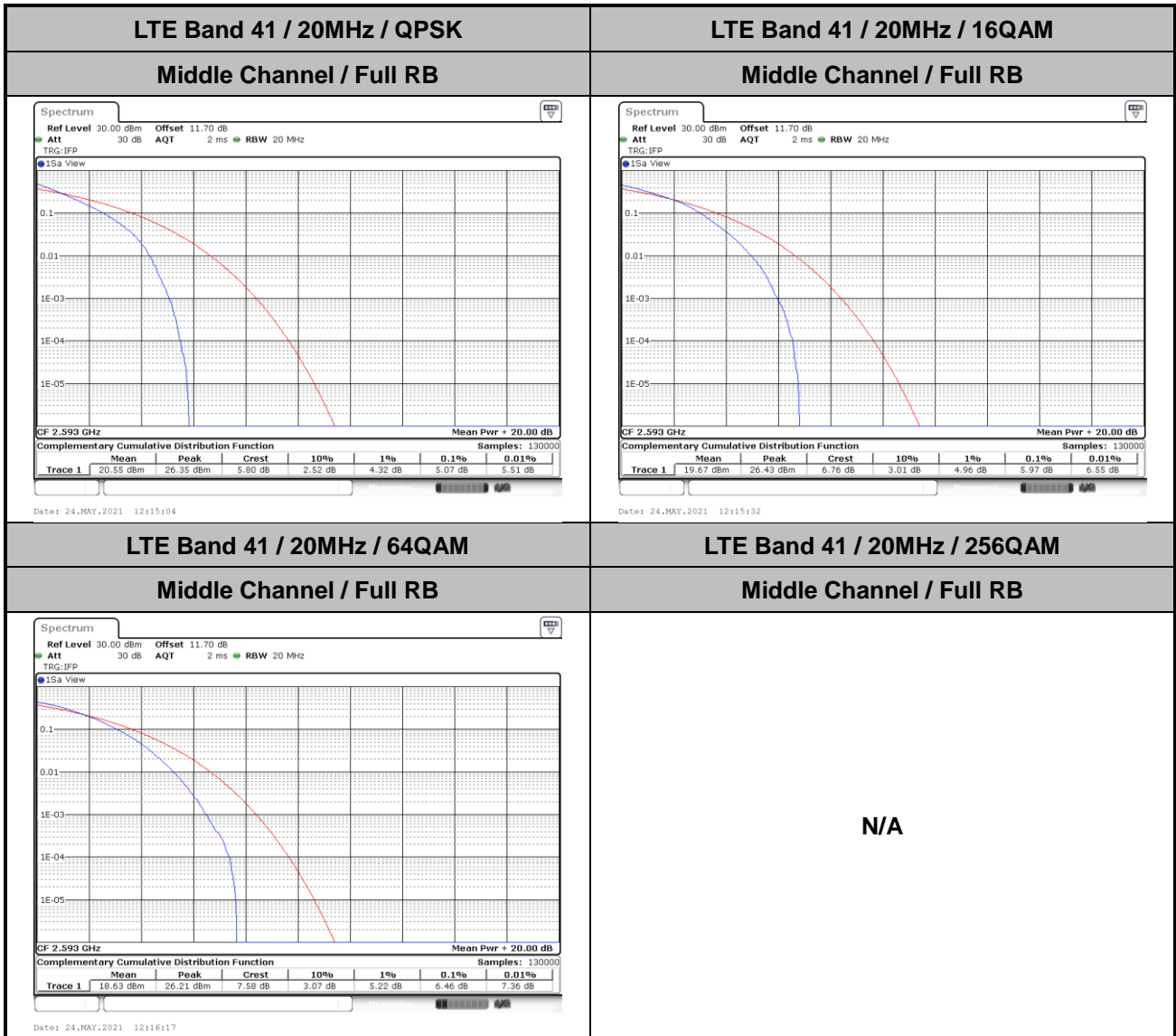
- 1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.35 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.07	5.97	6.46	-	PASS





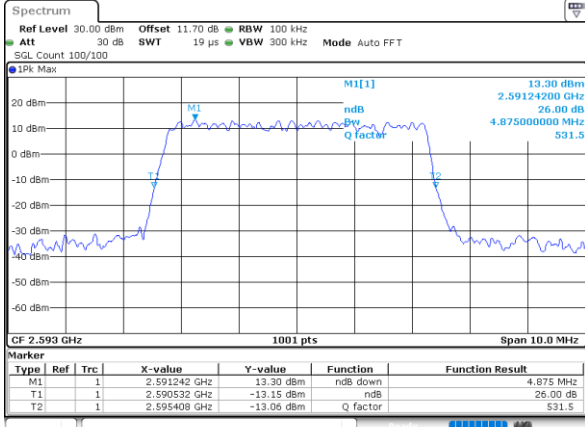
26dB Bandwidth

Mode	LTE Band 41 : 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	-	-	-	-	4.88	4.88	9.73	9.71	14.51	14.15	19.02	18.86
Mode	LTE Band 41 : 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	-	-	-	-	4.89	-	9.73	-	14.21	-	18.62	-



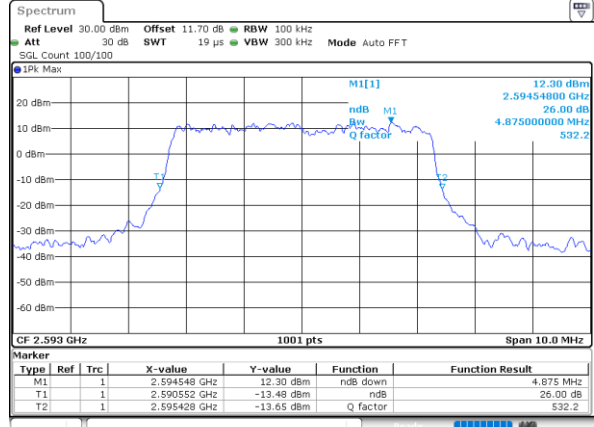
LTE Band 41

Middle Channel / 5MHz / QPSK



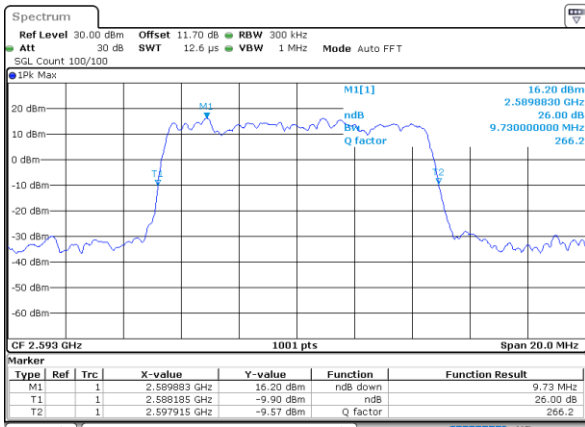
Date: 24.MAY.2021 12:04:40

Middle Channel / 5MHz / 16QAM



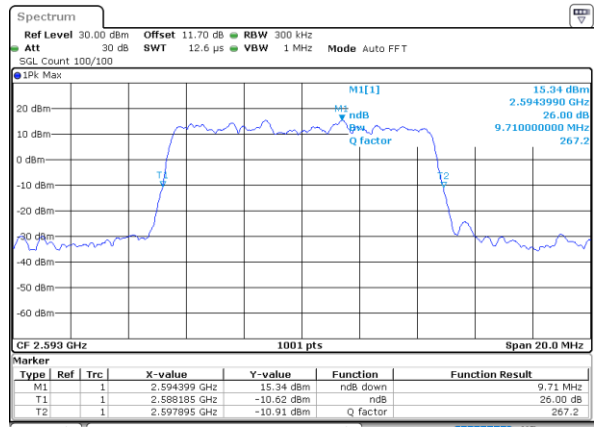
Date: 24.MAY.2021 12:05:01

Middle Channel / 10MHz / QPSK



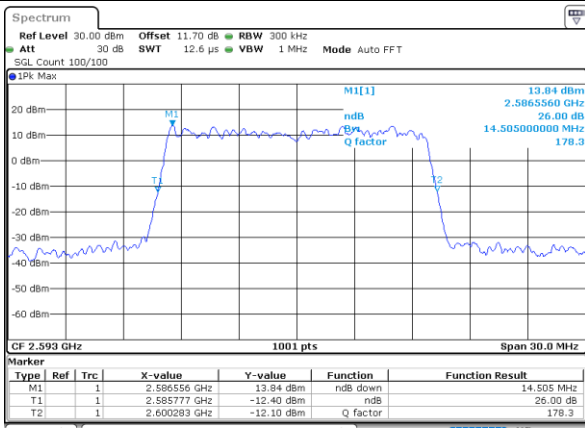
Date: 24.MAY.2021 12:06:08

Middle Channel / 10MHz / 16QAM



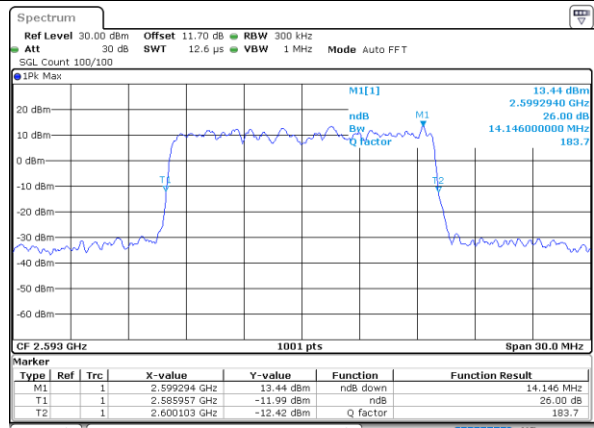
Date: 24.MAY.2021 12:06:29

Middle Channel / 15MHz / QPSK



Date: 24.MAY.2021 12:07:36

Middle Channel / 15MHz / 16QAM

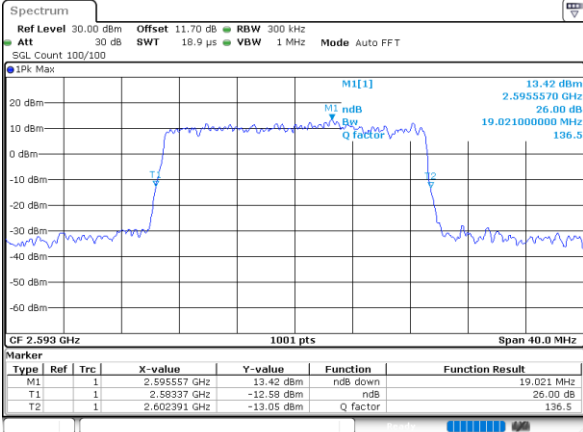


Date: 24.MAY.2021 12:07:57



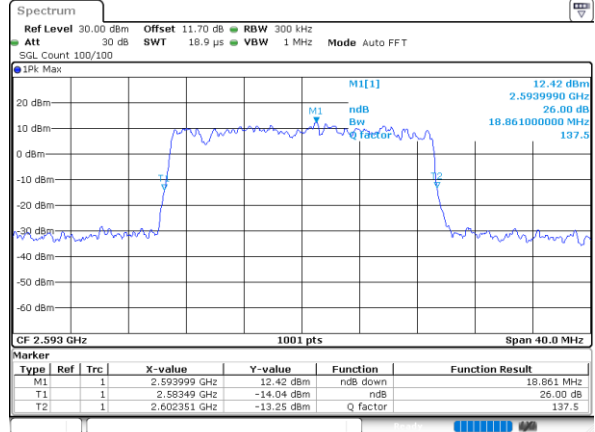
LTE Band 41

Middle Channel / 20MHz / QPSK



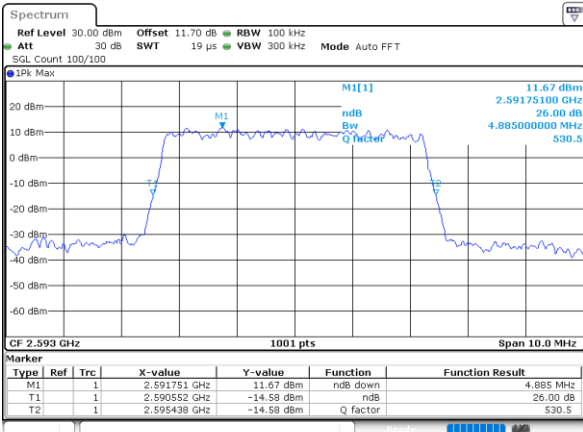
Date: 24.MAY.2021 12:09:04

Middle Channel / 20MHz / 16QAM



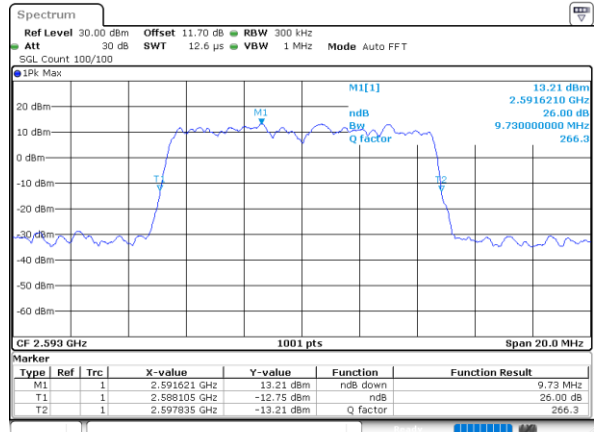
Date: 24.MAY.2021 12:10:25

Middle Channel / 5MHz / 64QAM



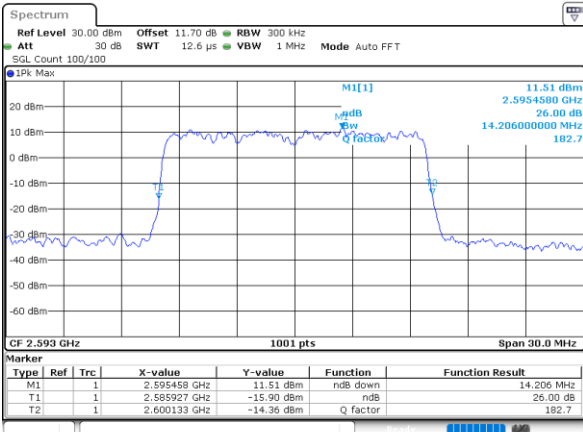
Date: 24.MAY.2021 12:10:09

Middle Channel / 10MHz / 64QAM



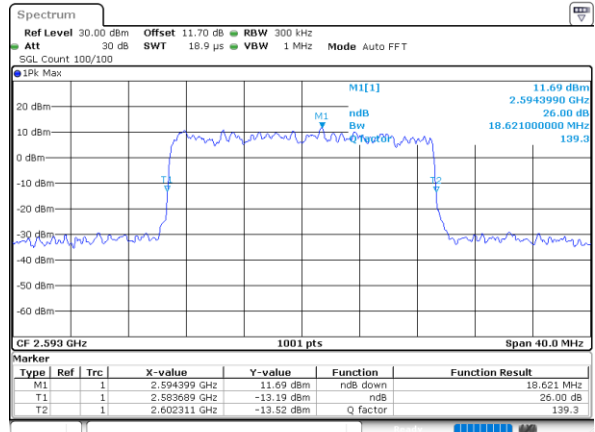
Date: 24.MAY.2021 12:10:53

Middle Channel / 15MHz / 64QAM



Date: 24.MAY.2021 12:11:37

Middle Channel / 20MHz / 64QAM



Date: 24.MAY.2021 12:11:22



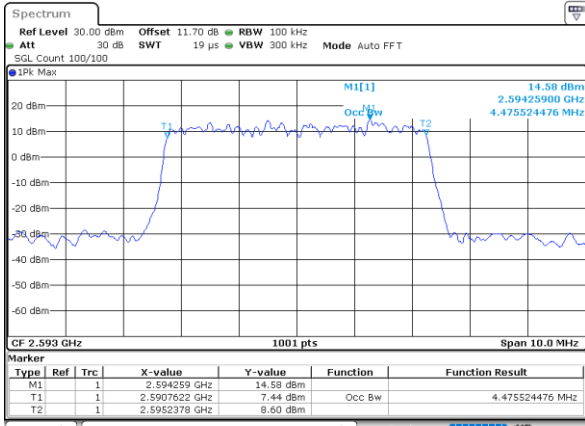
Occupied Bandwidth

Mode	LTE Band 41 : 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	-	-	-	-	4.48	4.49	9.07	8.97	13.46	13.46	17.78	17.86
Mode	LTE Band 41 : 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	-	-	-	-	4.49	-	8.99	-	13.52	-	17.82	-



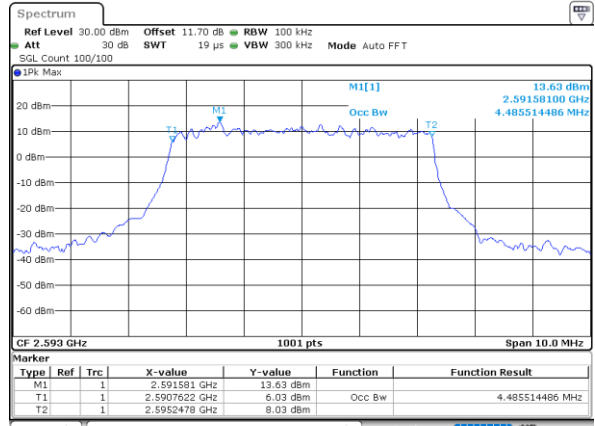
LTE Band 41

Middle Channel / 5MHz / QPSK



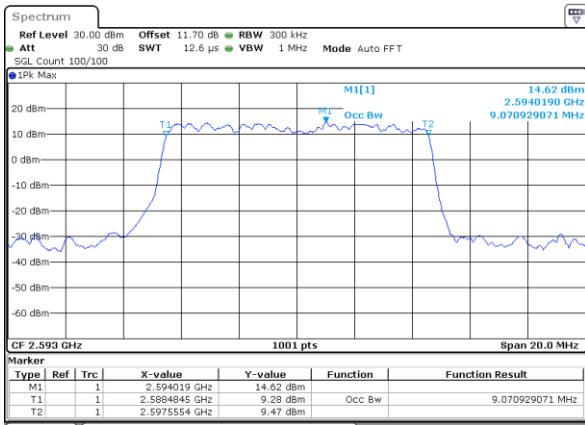
Date: 24.MAY.2021 12:03:55

Middle Channel / 5MHz / 16QAM



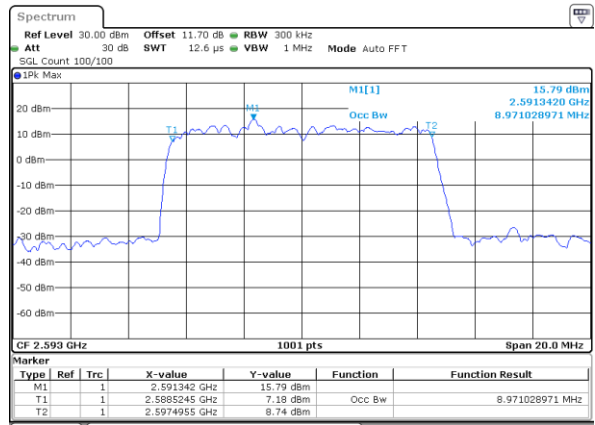
Date: 24.MAY.2021 12:04:18

Middle Channel / 10MHz / QPSK



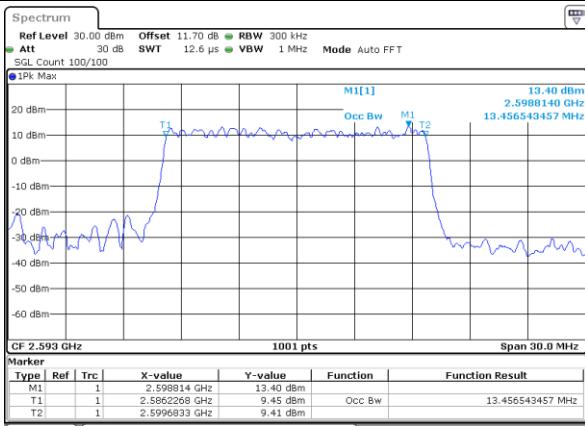
Date: 24.MAY.2021 12:05:23

Middle Channel / 10MHz / 16QAM



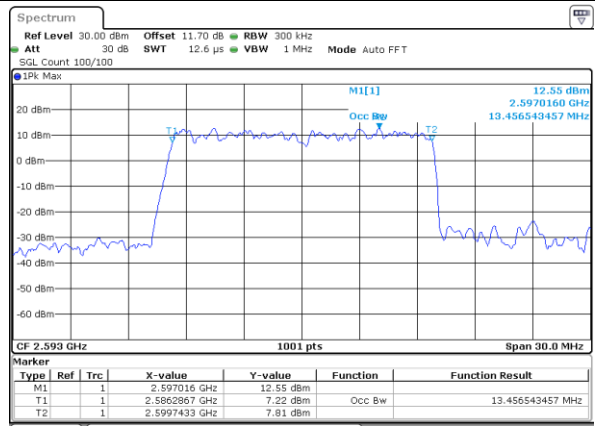
Date: 24.MAY.2021 12:05:45

Middle Channel / 15MHz / QPSK



Date: 24.MAY.2021 12:06:50

Middle Channel / 15MHz / 16QAM

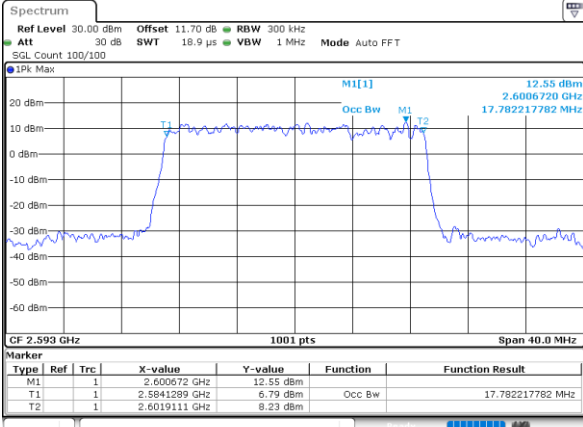


Date: 24.MAY.2021 12:07:13



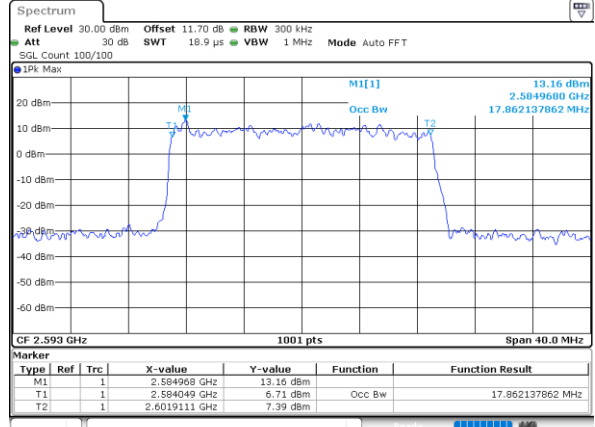
LTE Band 41

Middle Channel / 20MHz / QPSK



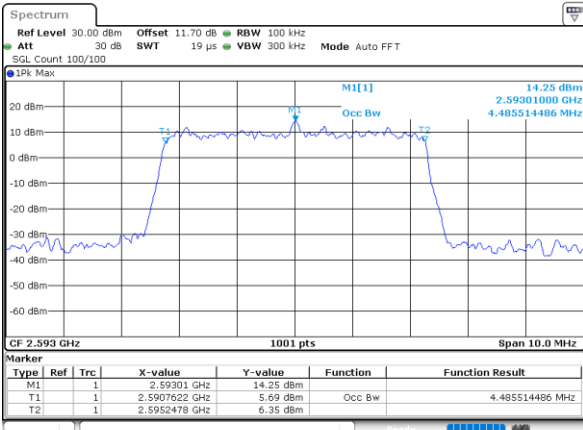
Date: 24.MAY.2021 12:08:10

Middle Channel / 20MHz / 16QAM



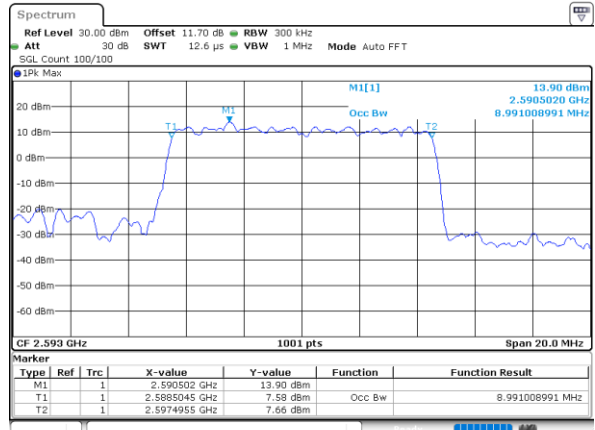
Date: 24.MAY.2021 12:08:41

Middle Channel / 5MHz / 64QAM



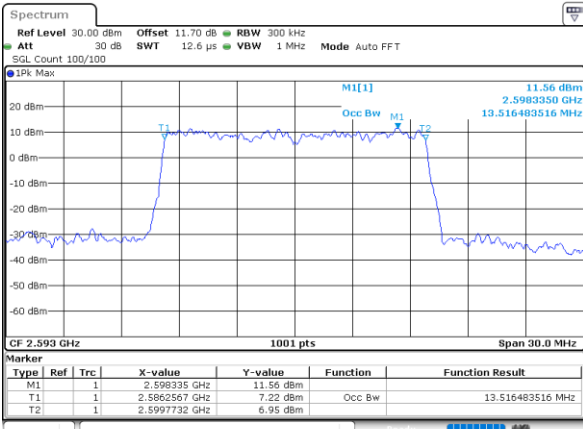
Date: 24.MAY.2021 12:09:47

Middle Channel / 10MHz / 64QAM



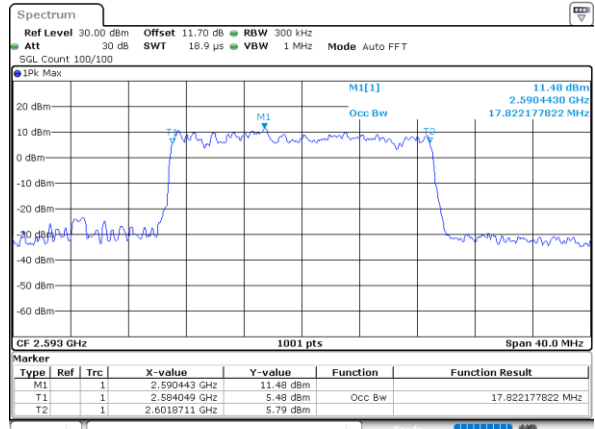
Date: 24.MAY.2021 12:10:31

Middle Channel / 15MHz / 64QAM



Date: 24.MAY.2021 12:11:15

Middle Channel / 20MHz / 64QAM



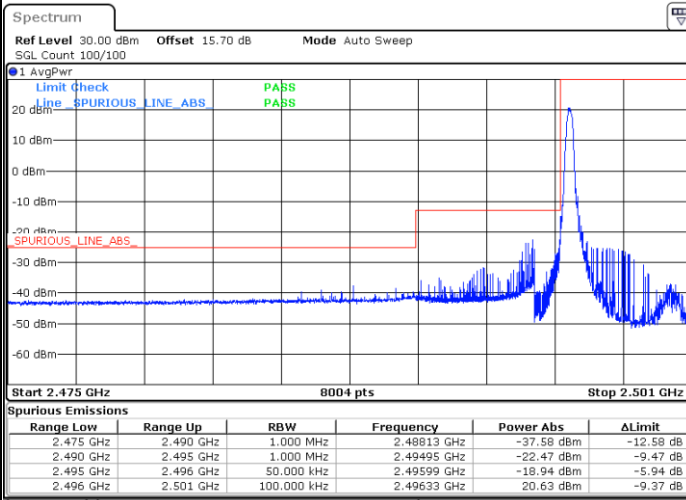
Date: 24.MAY.2021 12:12:00



Conducted Band Edge

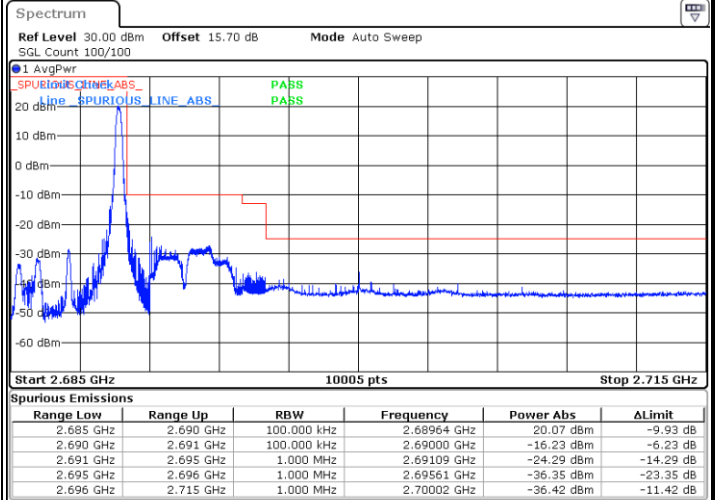
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



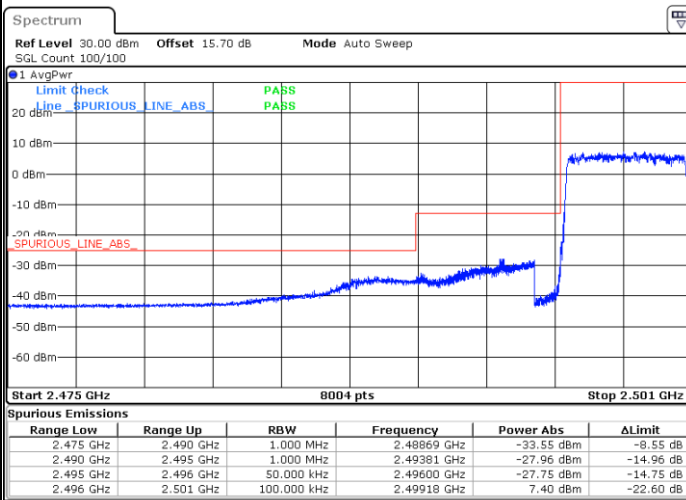
Date: 24.MAY.2021 11:22:27

Highest Band Edge / 1 RB



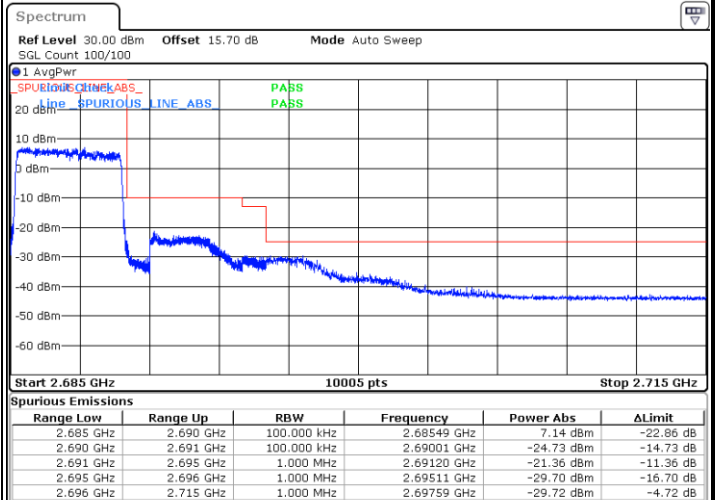
Date: 24.MAY.2021 11:24:32

Lowest Band Edge / Full RB



Date: 24.MAY.2021 11:23:39

Highest Band Edge / Full RB

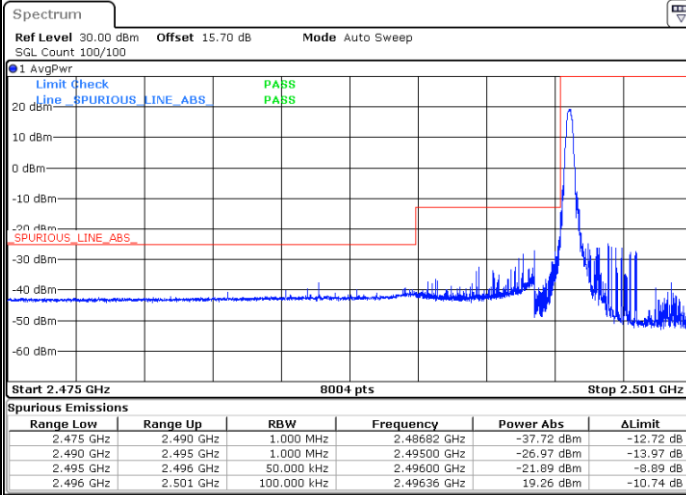


Date: 24.MAY.2021 11:25:25



LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



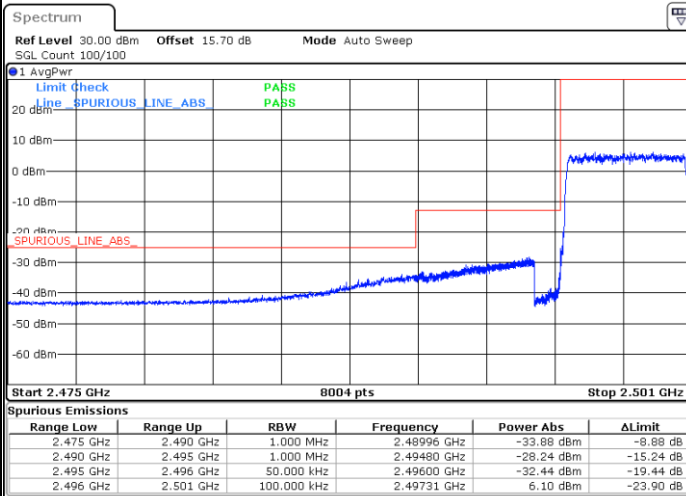
Date: 24.MAY.2021 11:22:56

Highest Band Edge / 1 RB



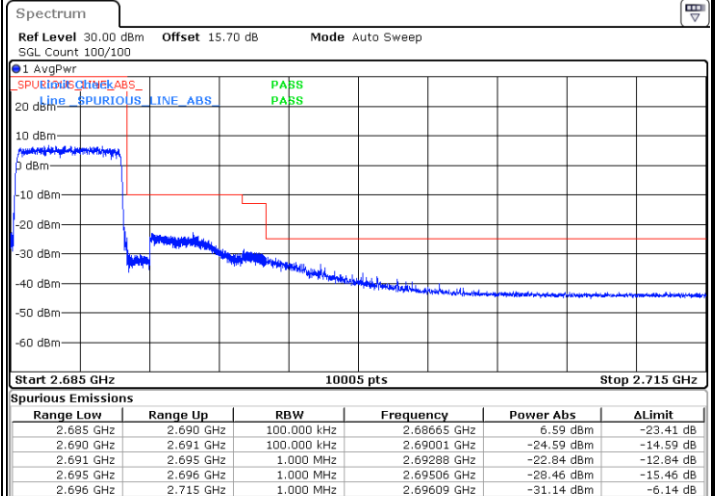
Date: 24.MAY.2021 11:24:59

Lowest Band Edge / Full RB



Date: 24.MAY.2021 11:24:06

Highest Band Edge / Full RB

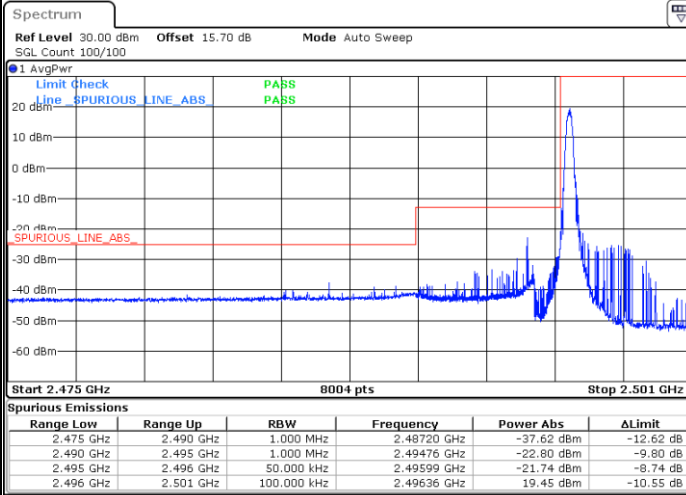


Date: 24.MAY.2021 11:25:51



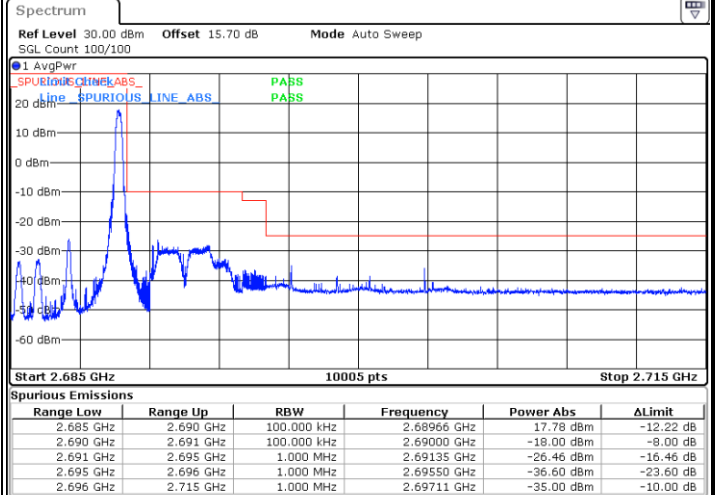
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



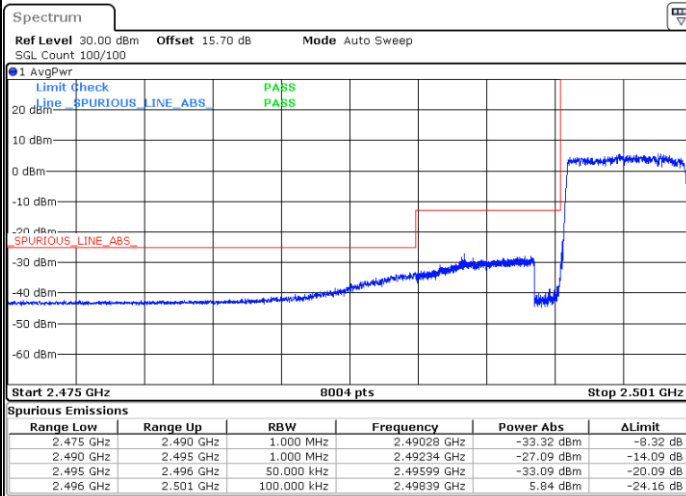
Date: 24.MAY.2021 11:26:17

Highest Band Edge / 1 RB



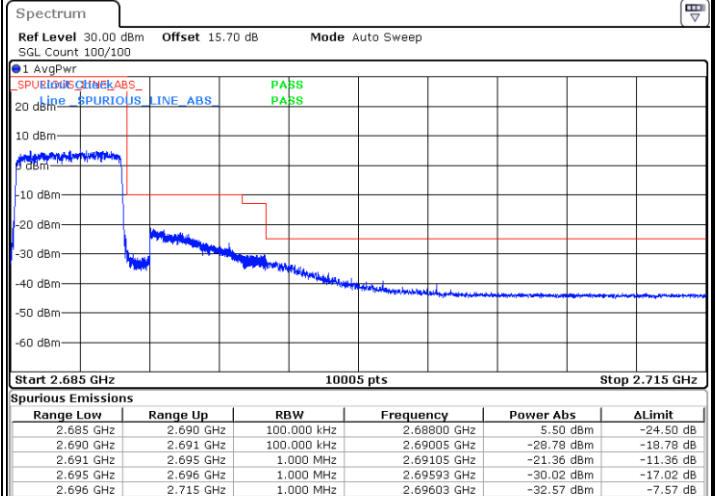
Date: 24.MAY.2021 11:27:09

Lowest Band Edge / Full RB



Date: 24.MAY.2021 11:26:43

Highest Band Edge / Full RB

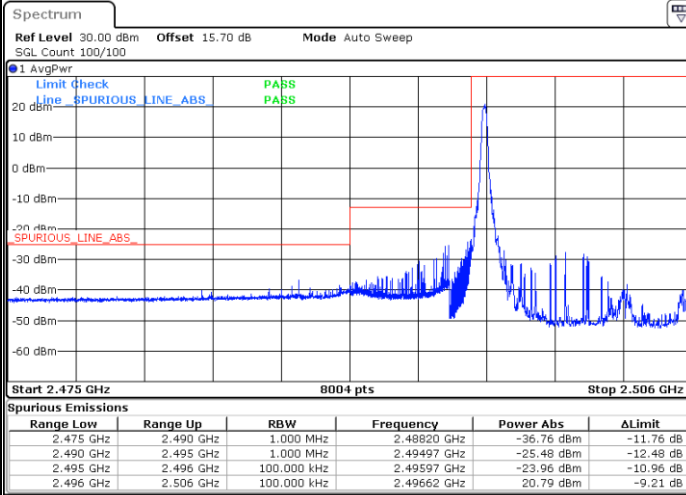


Date: 24.MAY.2021 11:27:35



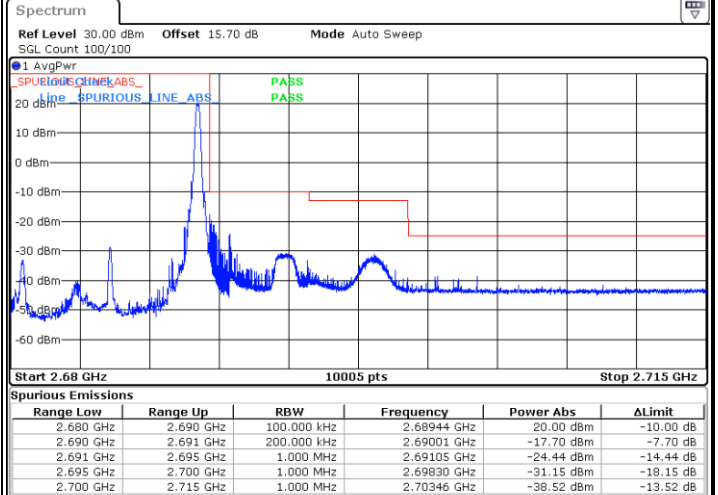
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



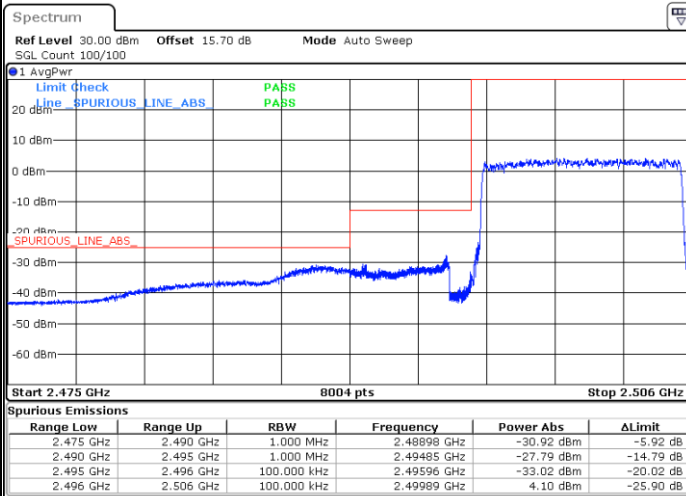
Date: 24.MAY.2021 11:28:02

Highest Band Edge / 1 RB



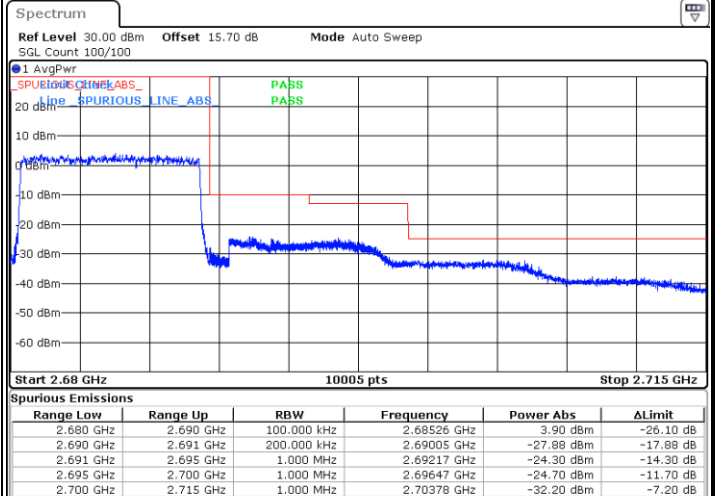
Date: 24.MAY.2021 11:32:04

Lowest Band Edge / Full RB



Date: 24.MAY.2021 11:31:12

Highest Band Edge / Full RB

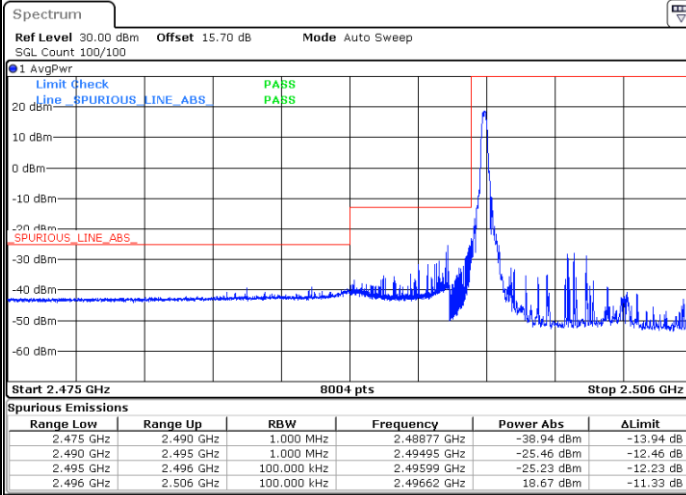


Date: 24.MAY.2021 11:32:56



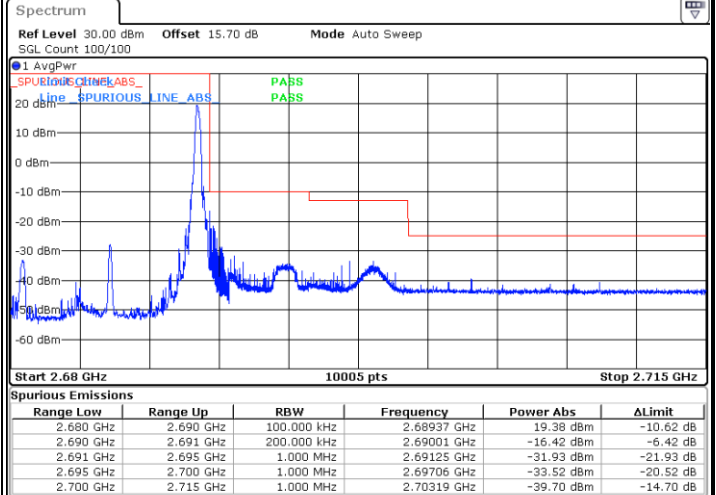
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



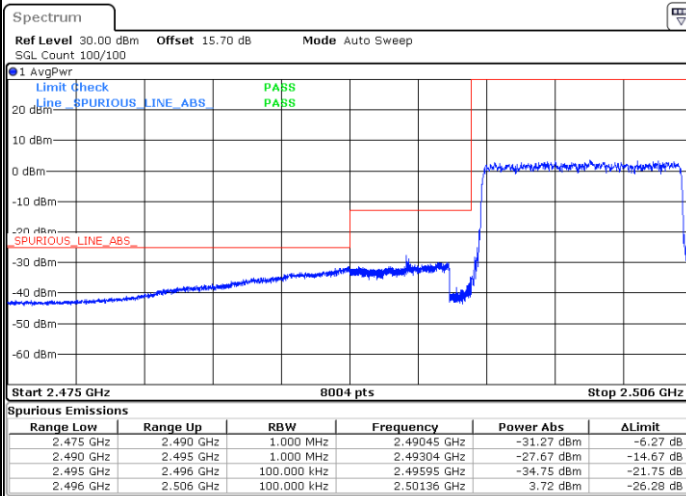
Date: 24.MAY.2021 11:30:46

Highest Band Edge / 1 RB



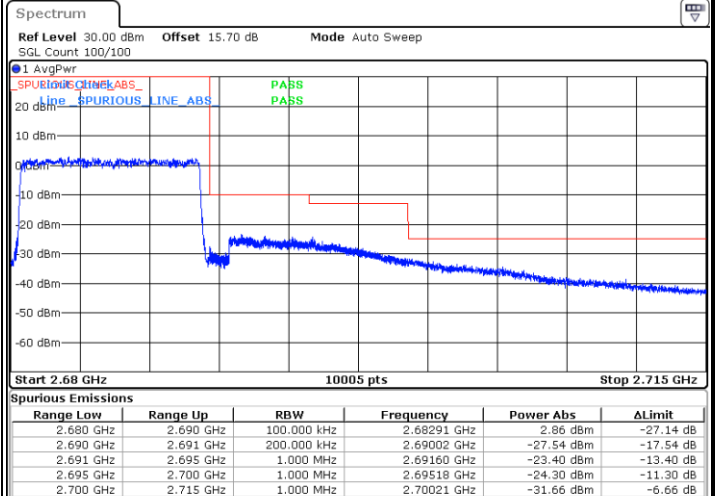
Date: 24.MAY.2021 11:32:30

Lowest Band Edge / Full RB



Date: 24.MAY.2021 11:31:38

Highest Band Edge / Full RB



Date: 24.MAY.2021 11:33:22