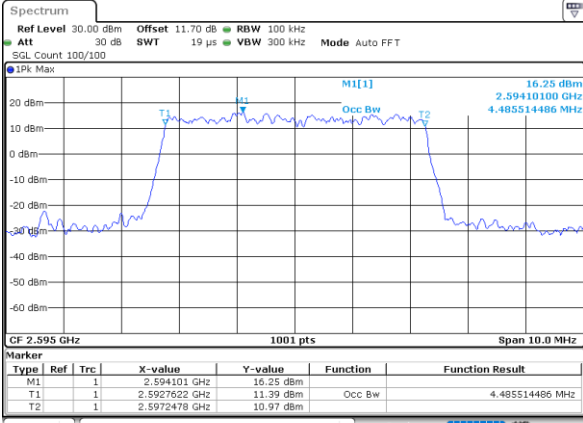




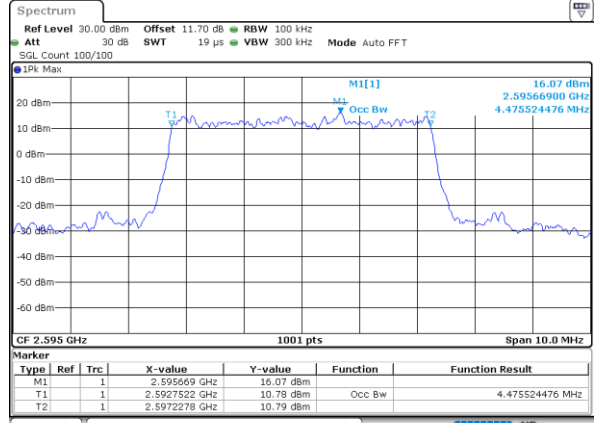
LTE Band 38

Middle Channel / 5MHz / QPSK



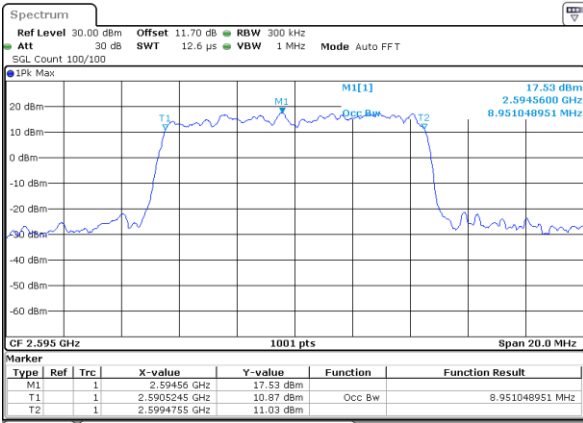
Date: 25_AUG.2022 17:23:13

Middle Channel / 5MHz / 16QAM



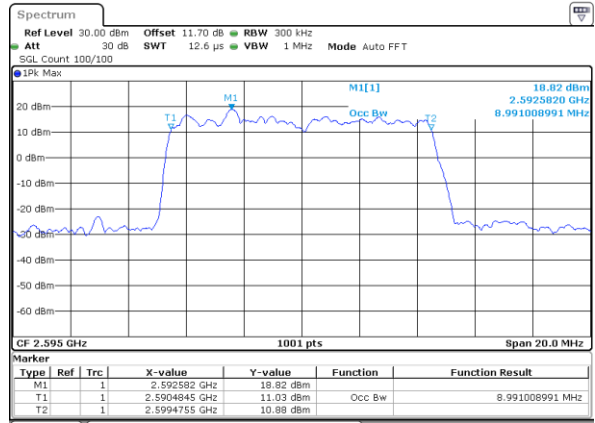
Date: 25_AUG.2022 17:23:42

Middle Channel / 10MHz / QPSK



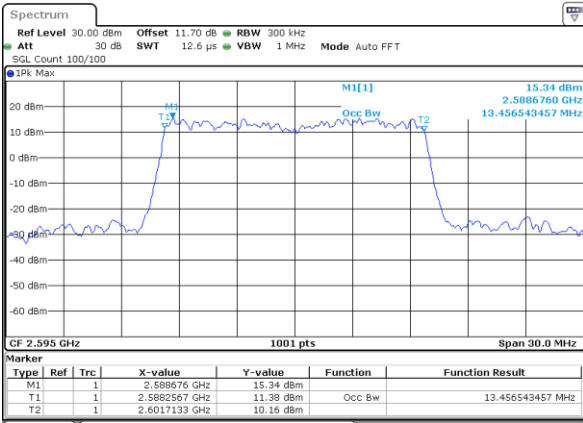
Date: 25_AUG.2022 17:25:21

Middle Channel / 10MHz / 16QAM



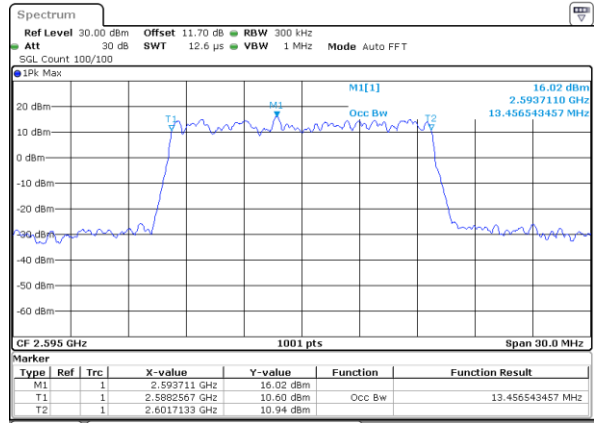
Date: 25_AUG.2022 17:25:50

Middle Channel / 15MHz / QPSK



Date: 25_AUG.2022 17:27:22

Middle Channel / 15MHz / 16QAM

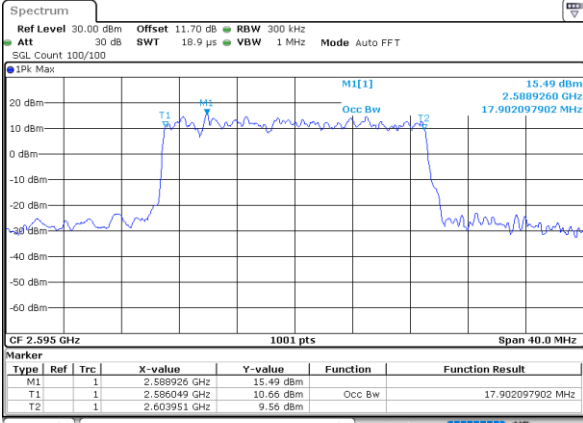


Date: 25_AUG.2022 17:27:51



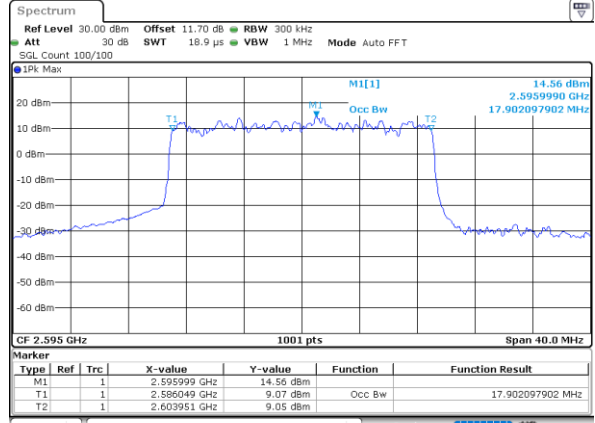
LTE Band 38

Middle Channel / 20MHz / QPSK



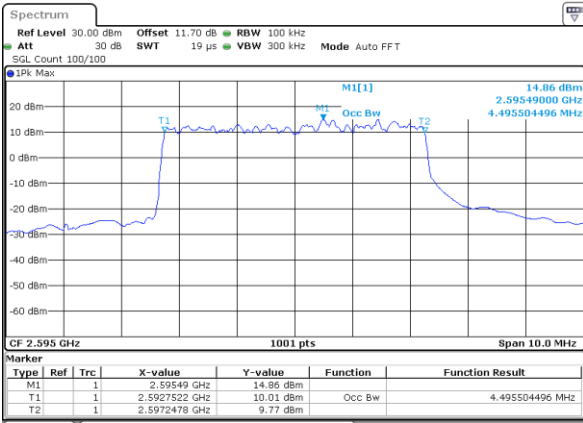
Date: 25_AUG.2022 17:29:23

Middle Channel / 20MHz / 16QAM



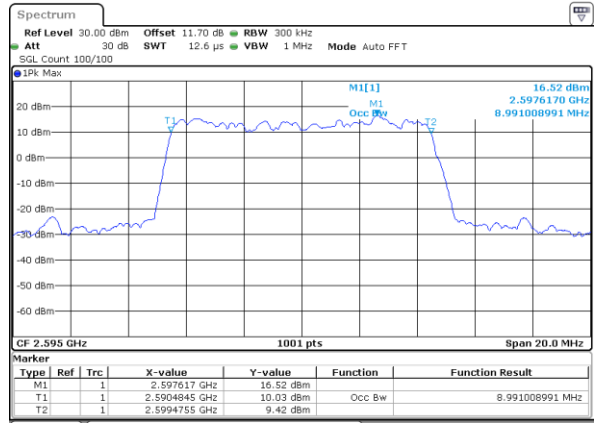
Date: 25_AUG.2022 17:29:52

Middle Channel / 5MHz / 64QAM



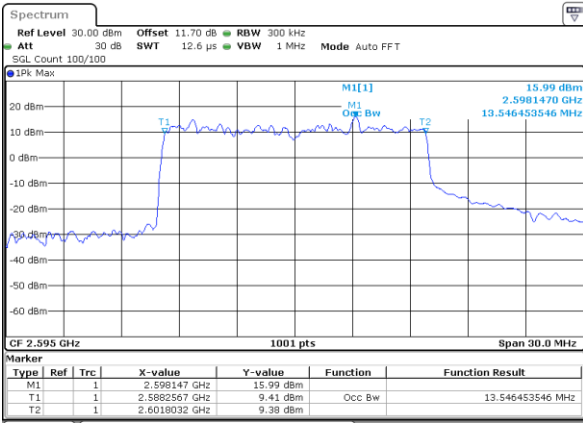
Date: 25_AUG.2022 17:31:28

Middle Channel / 10MHz / 64QAM



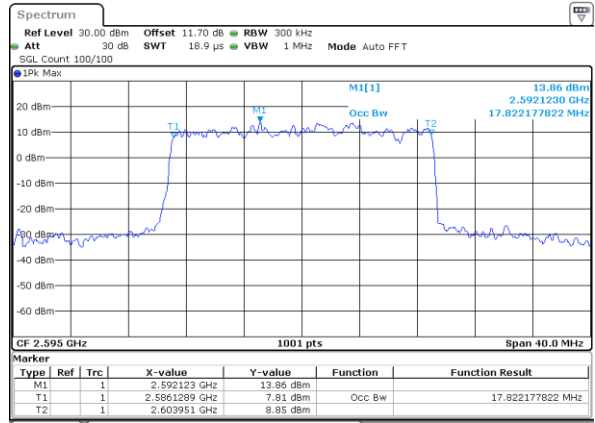
Date: 25_AUG.2022 17:32:16

Middle Channel / 15MHz / 64QAM



Date: 25_AUG.2022 17:33:11

Middle Channel / 20MHz / 64QAM

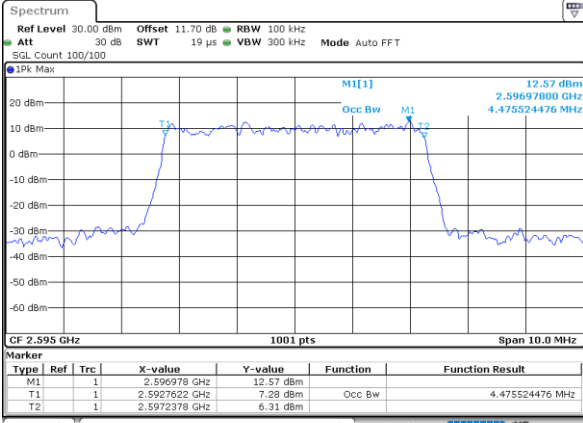


Date: 25_AUG.2022 17:34:00



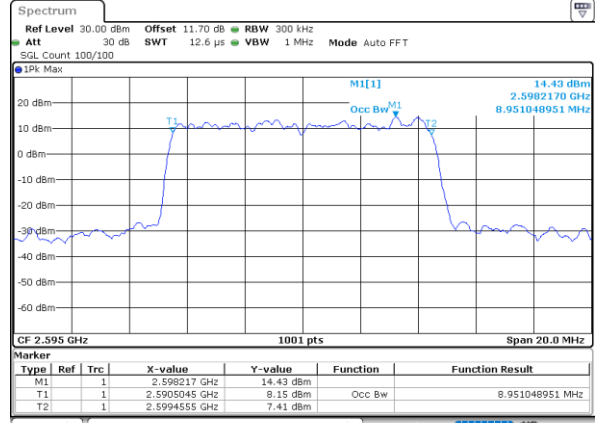
LTE Band 38

Middle Channel / 5MHz / 256QAM



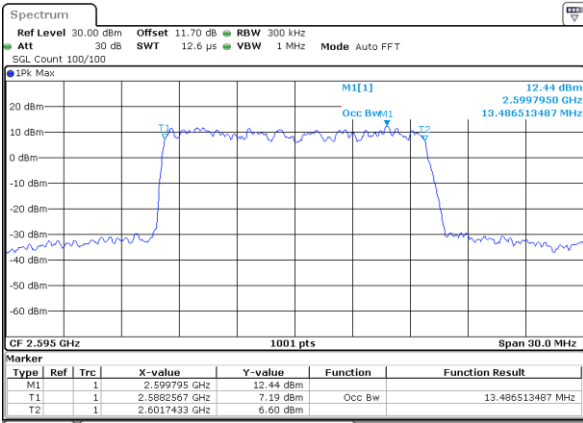
Date: 25.AUG.2022 17:36:04

Middle Channel / 10MHz / 256QAM



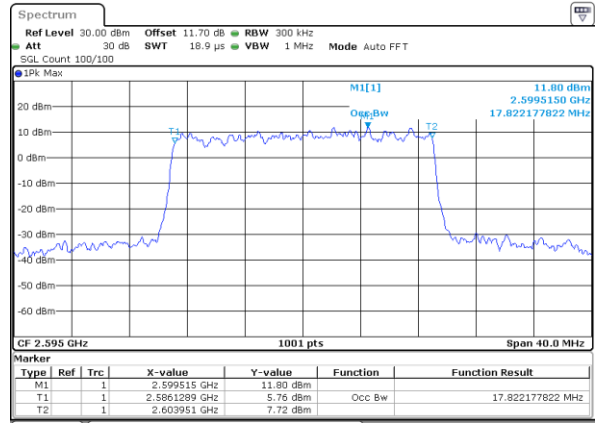
Date: 25.AUG.2022 17:36:52

Middle Channel / 15MHz / 256QAM



Date: 25.AUG.2022 17:37:41

Middle Channel / 20MHz / 256QAM



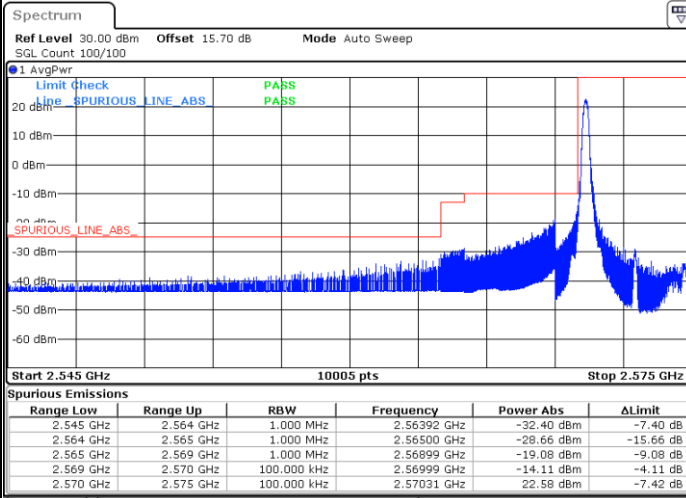
Date: 25.AUG.2022 17:38:29



Conducted Band Edge

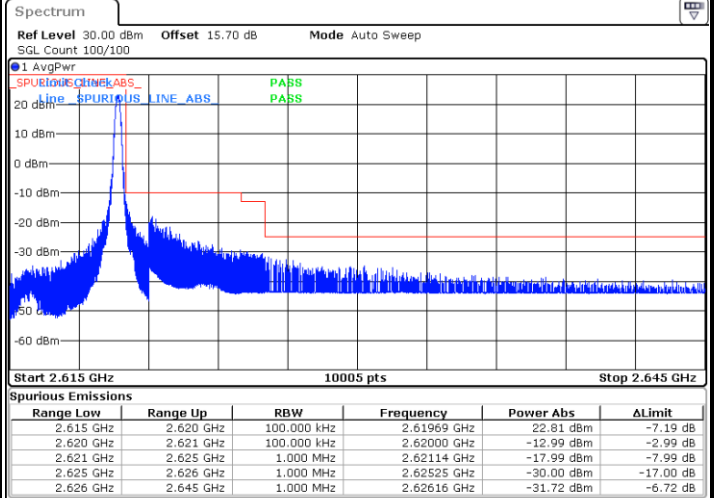
LTE Band 38 / 5MHz / QPSK

Lowest Band Edge / 1 RB



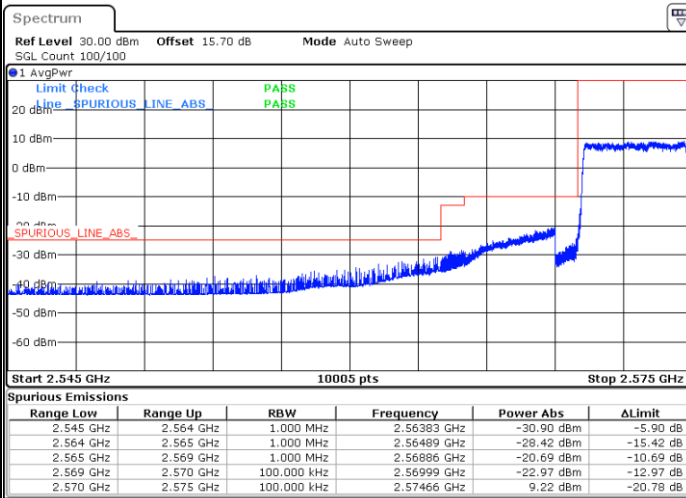
Date: 25.AUG.2022 14:56:18

Highest Band Edge / 1 RB



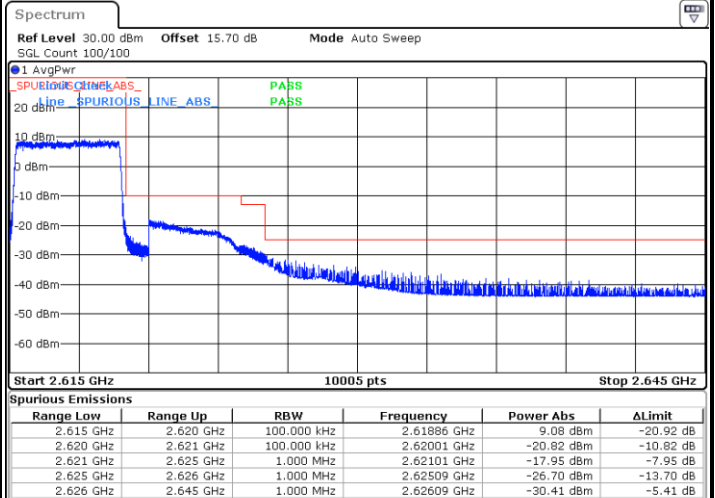
Date: 25.AUG.2022 15:02:11

Lowest Band Edge / Full RB



Date: 25.AUG.2022 14:58:15

Highest Band Edge / Full RB

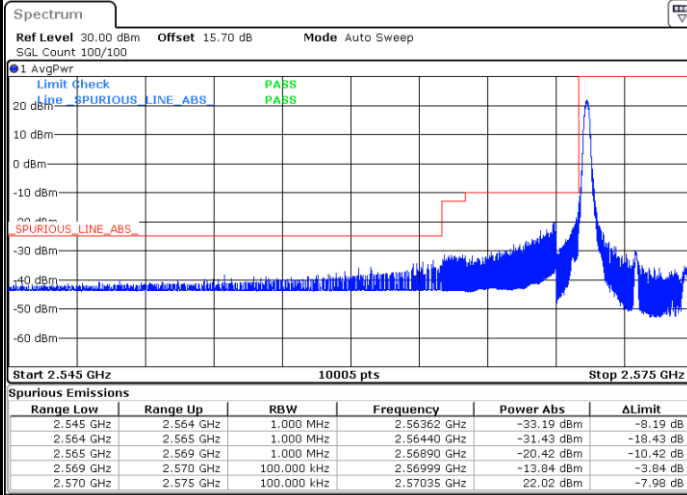


Date: 25.AUG.2022 15:00:13



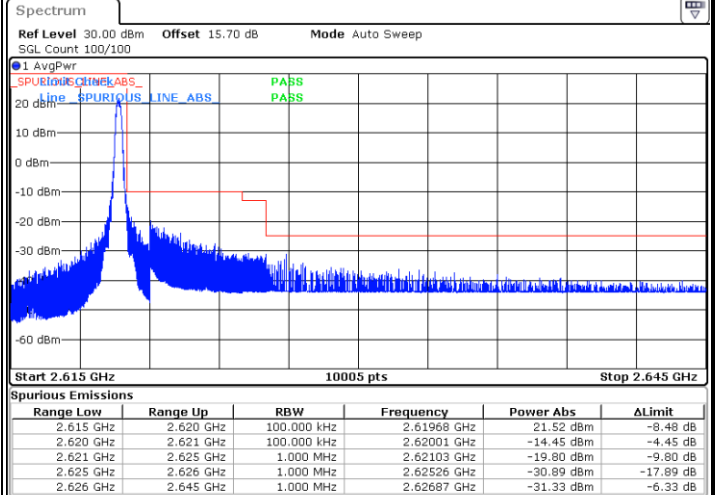
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



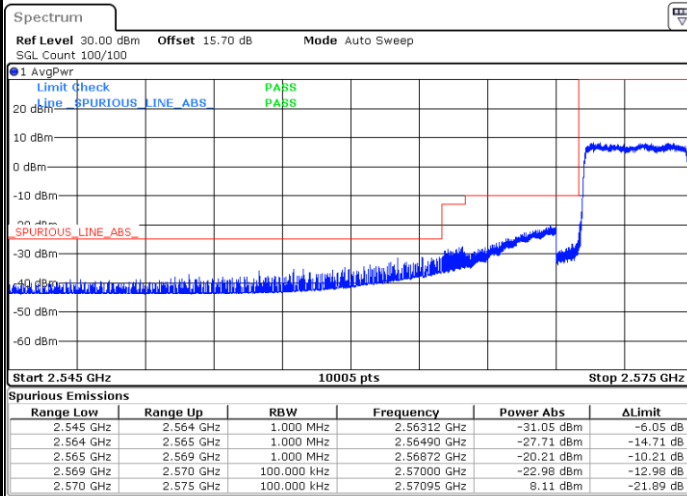
Date: 25.AUG.2022 14:57:16

Highest Band Edge / 1 RB



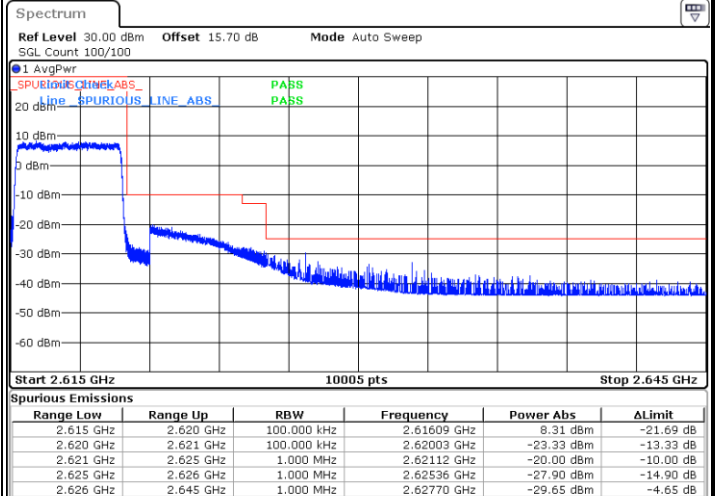
Date: 25.AUG.2022 15:03:09

Lowest Band Edge / Full RB



Date: 25.AUG.2022 14:59:14

Highest Band Edge / Full RB

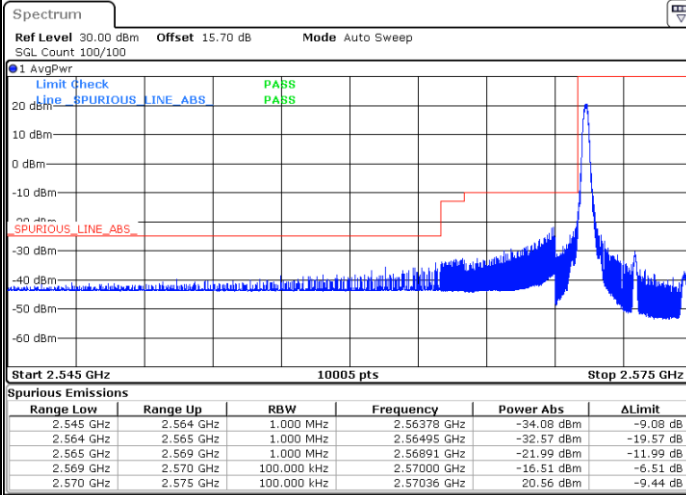


Date: 25.AUG.2022 15:01:12



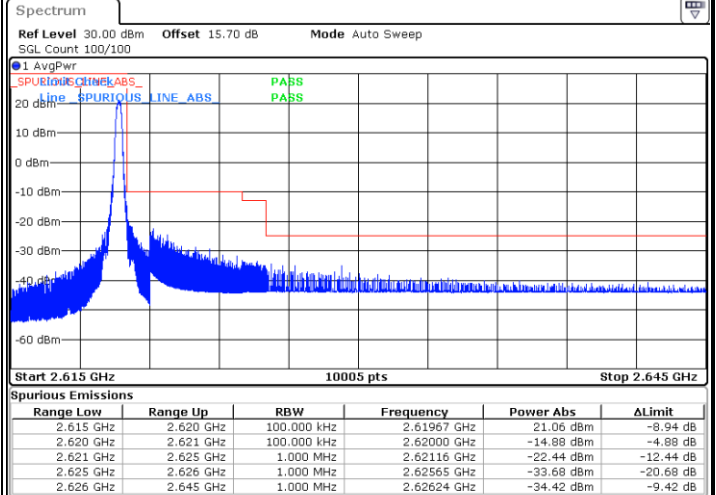
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



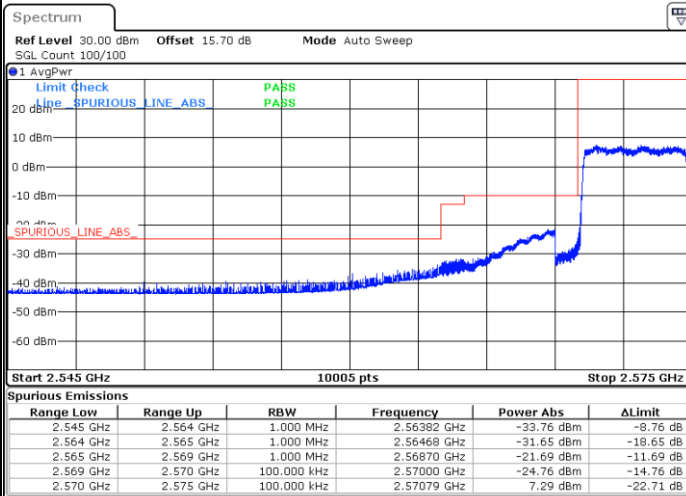
Date: 25.AUG.2022 15:04:08

Highest Band Edge / 1 RB



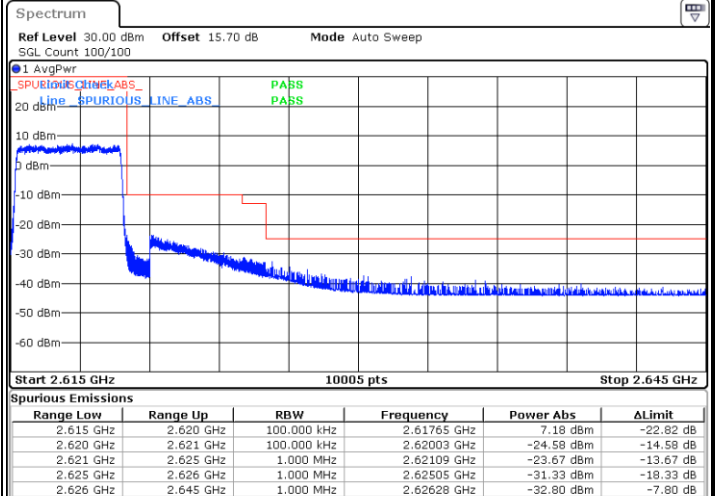
Date: 25.AUG.2022 15:07:05

Lowest Band Edge / Full RB



Date: 25.AUG.2022 15:05:07

Highest Band Edge / Full RB

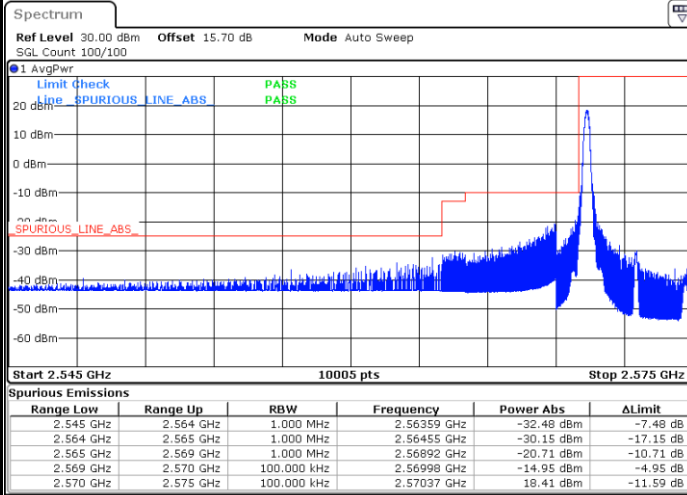


Date: 25.AUG.2022 15:06:06



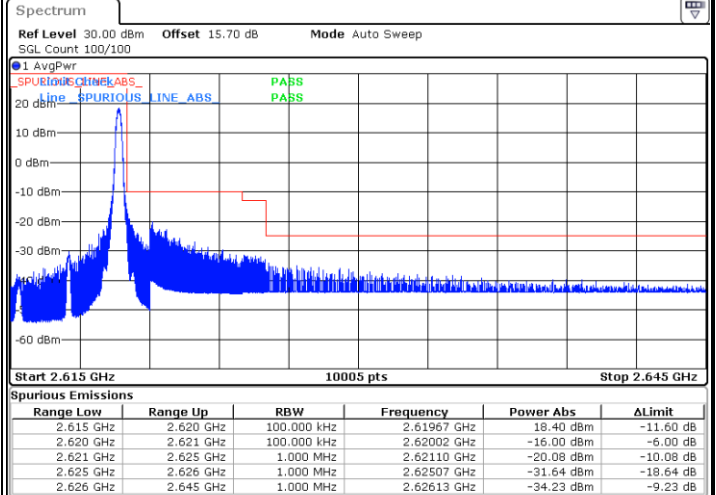
LTE Band 38 / 5MHz / 256QAM

Lowest Band Edge / 1RB



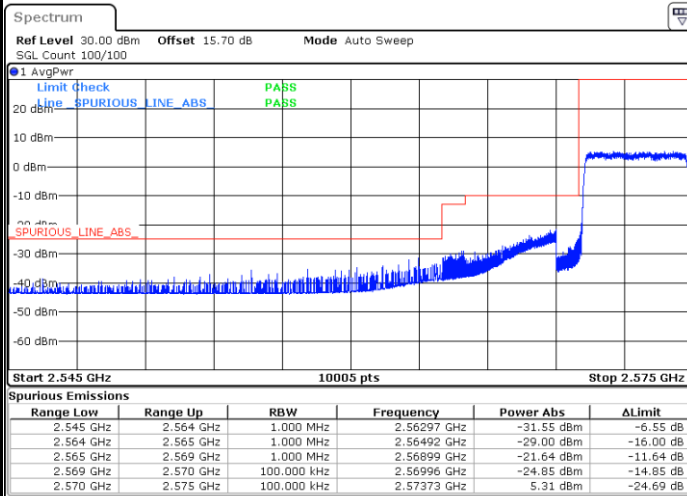
Date: 25.AUG.2022 17:07:03

Highest Band Edge / 1 RB



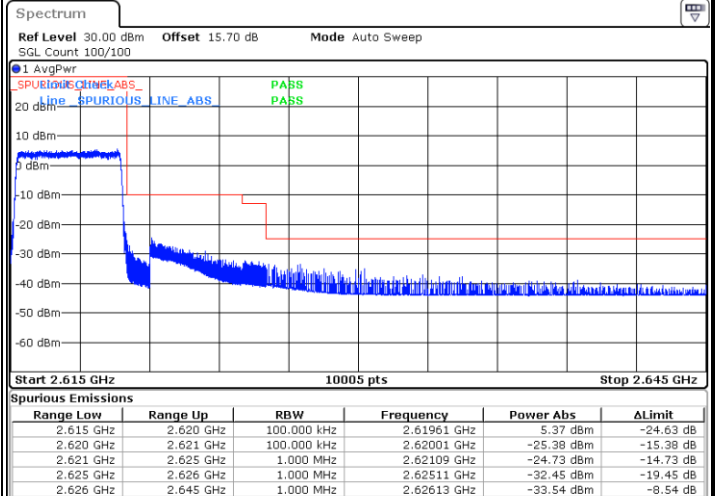
Date: 25.AUG.2022 17:10:11

Lowest Band Edge / Full RB



Date: 25.AUG.2022 17:08:08

Highest Band Edge / Full RB

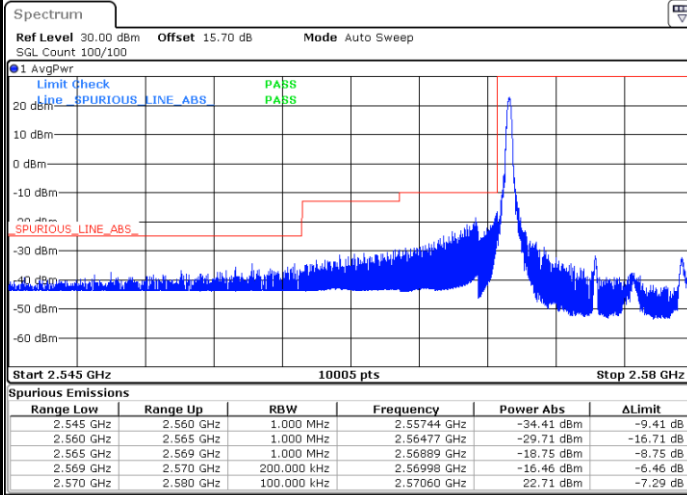


Date: 25.AUG.2022 17:09:09



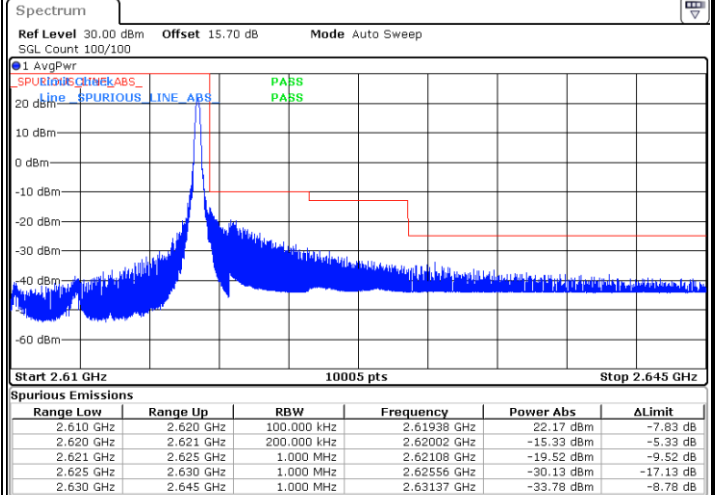
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



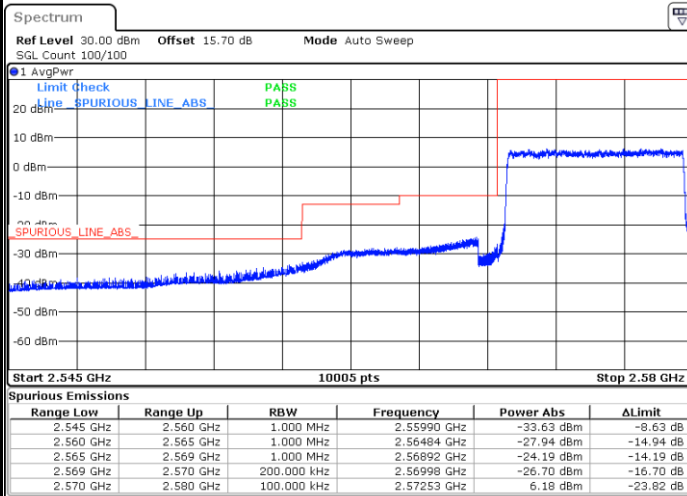
Date: 25.AUG.2022 15:12:58

Highest Band Edge / 1 RB



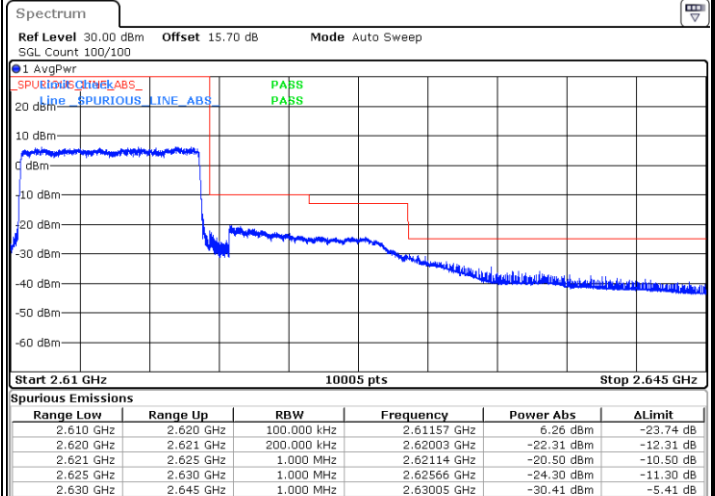
Date: 25.AUG.2022 15:18:51

Lowest Band Edge / Full RB



Date: 25.AUG.2022 15:14:56

Highest Band Edge / Full RB

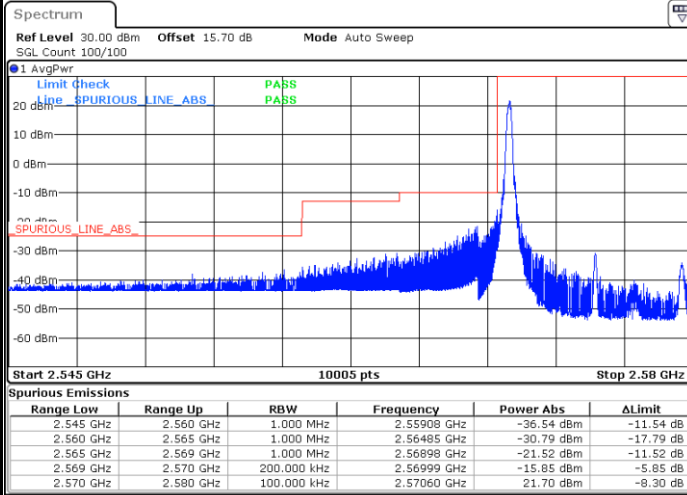


Date: 25.AUG.2022 15:16:54



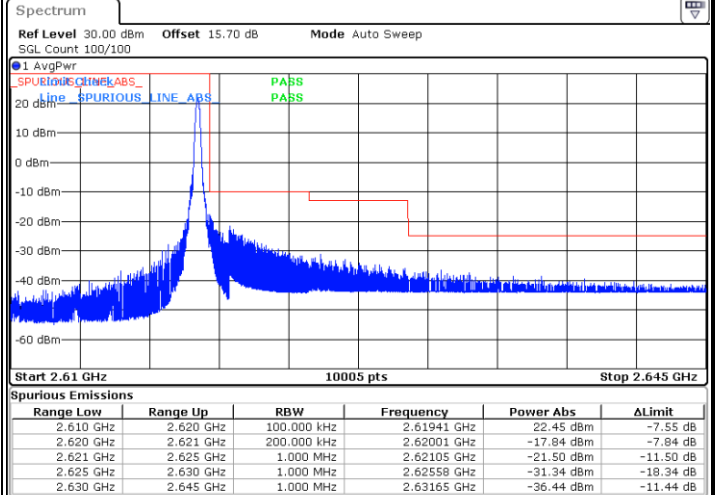
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



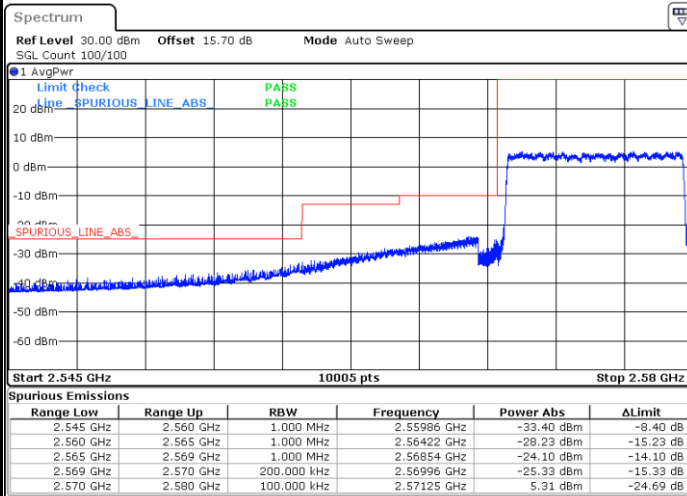
Date: 25.AUG.2022 15:13:57

Highest Band Edge / 1 RB



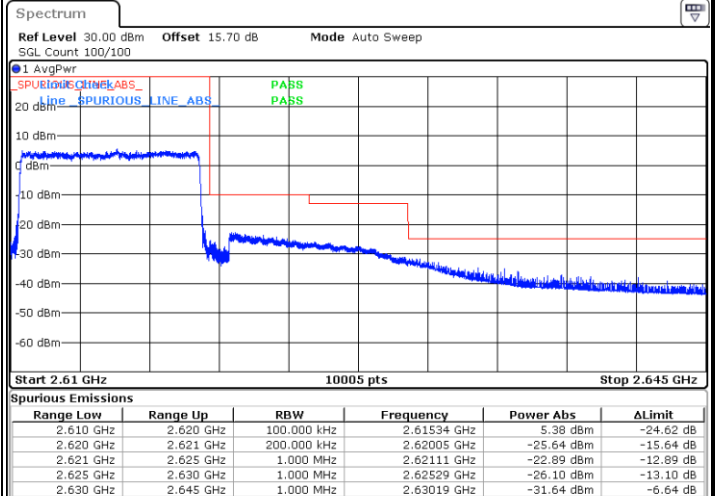
Date: 25.AUG.2022 15:19:50

Lowest Band Edge / Full RB



Date: 25.AUG.2022 15:15:55

Highest Band Edge / Full RB

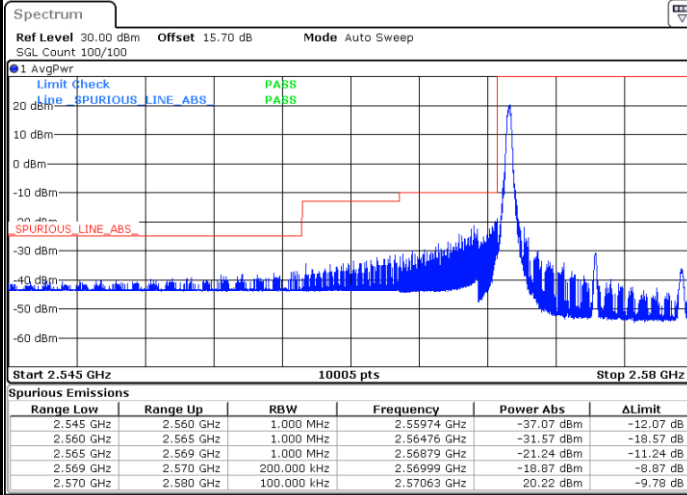


Date: 25.AUG.2022 15:17:52



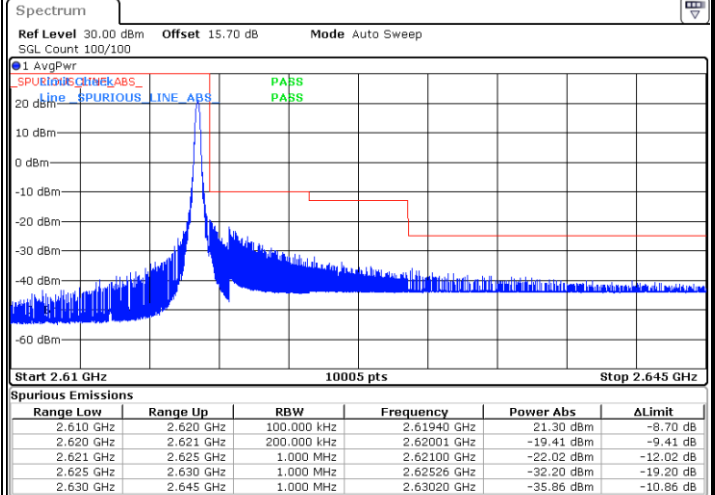
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



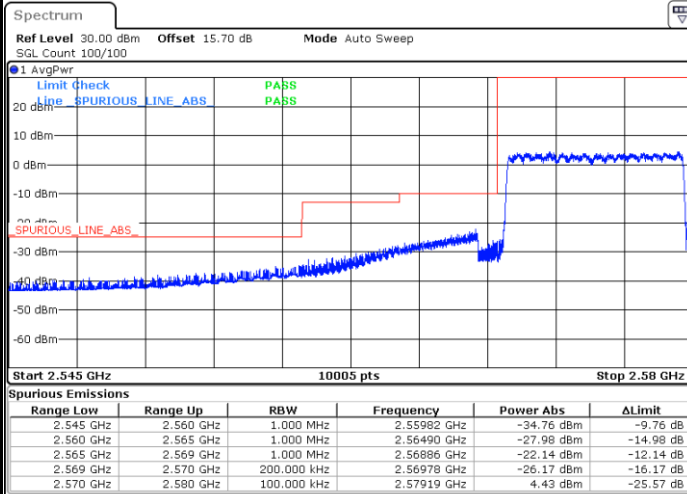
Date: 25.AUG.2022 15:09:03

Highest Band Edge / 1 RB



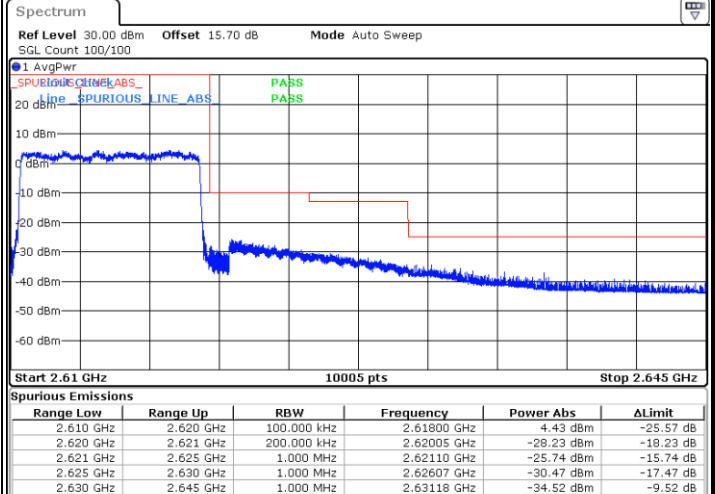
Date: 25.AUG.2022 15:11:59

Lowest Band Edge / Full RB



Date: 25.AUG.2022 15:10:02

Highest Band Edge / Full RB

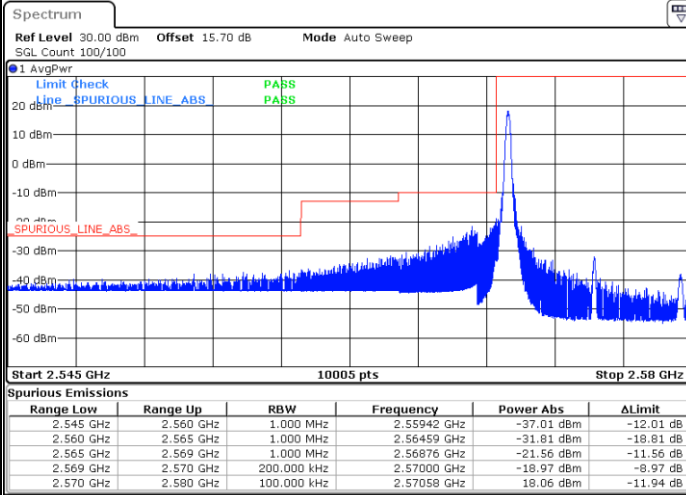


Date: 25.AUG.2022 15:11:00



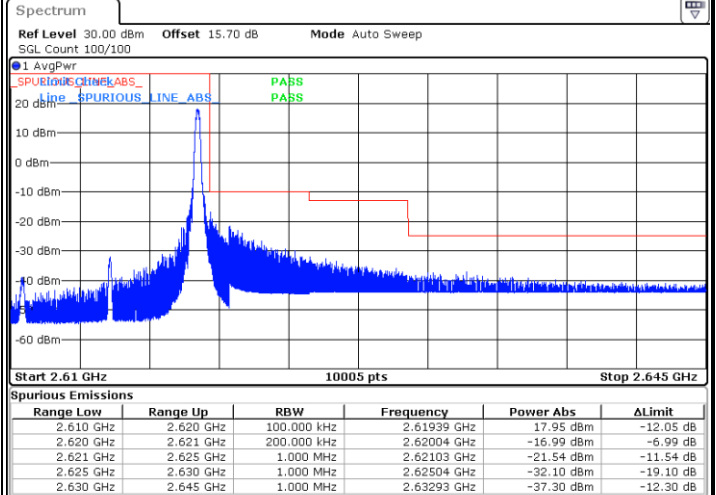
LTE Band 38 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



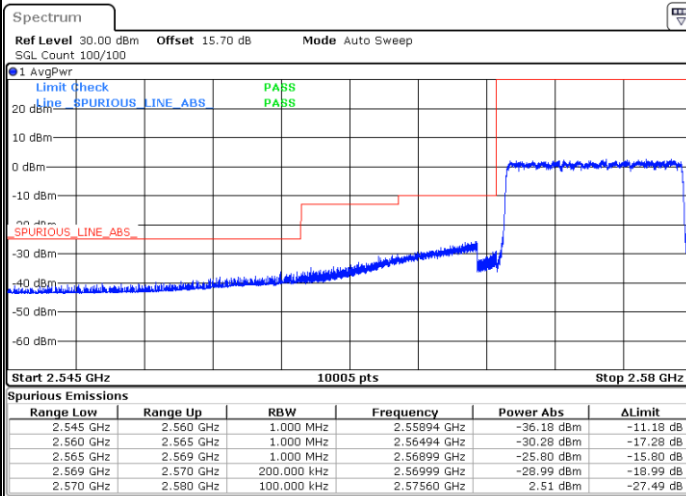
Date: 25.AUG.2022 17:11:14

Highest Band Edge / 1 RB



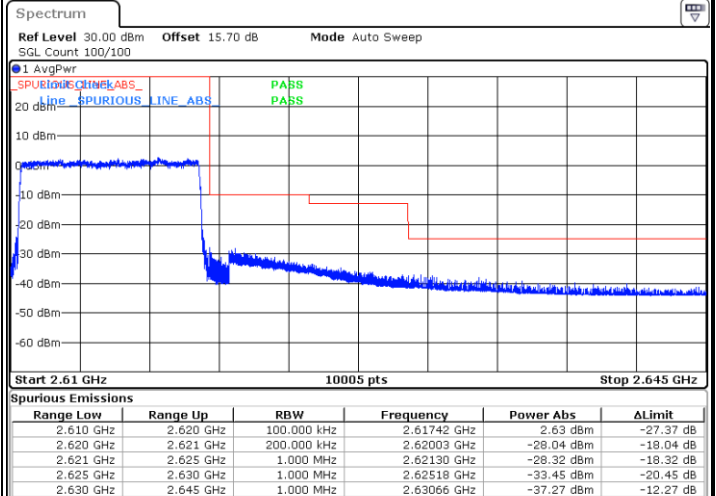
Date: 25.AUG.2022 17:14:22

Lowest Band Edge / Full RB



Date: 25.AUG.2022 17:12:16

Highest Band Edge / Full RB

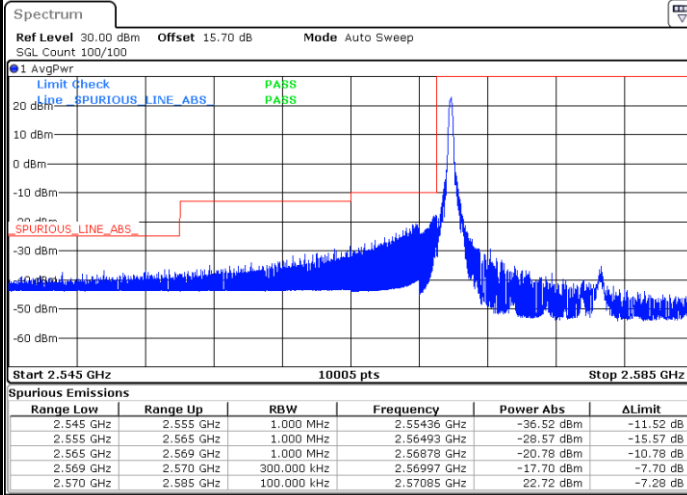


Date: 25.AUG.2022 17:13:20



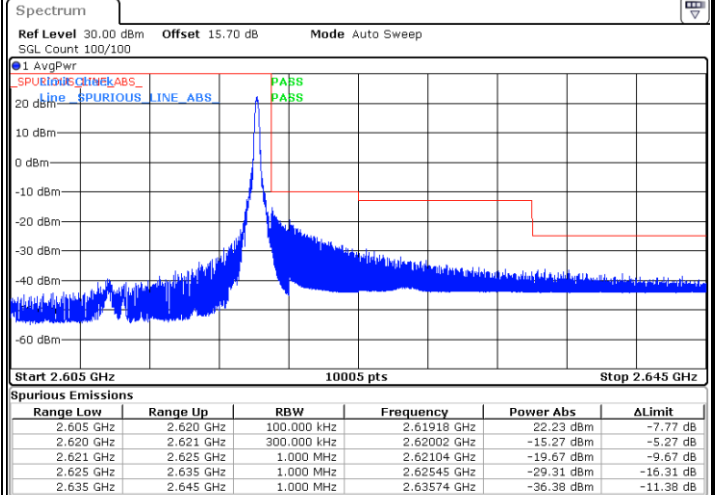
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB



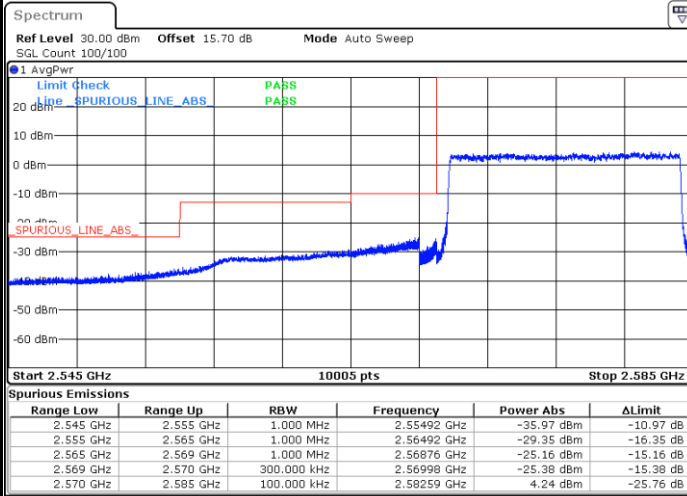
Date: 25.AUG.2022 15:21:48

Highest Band Edge / 1 RB



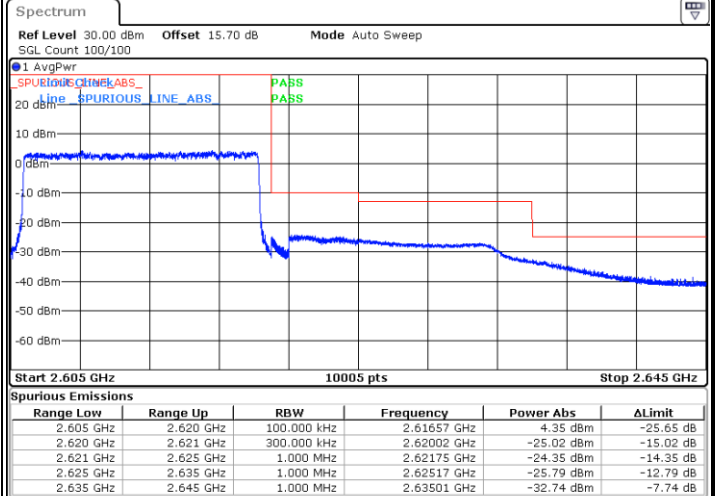
Date: 25.AUG.2022 15:27:41

Lowest Band Edge / Full RB



Date: 25.AUG.2022 15:23:46

Highest Band Edge / Full RB

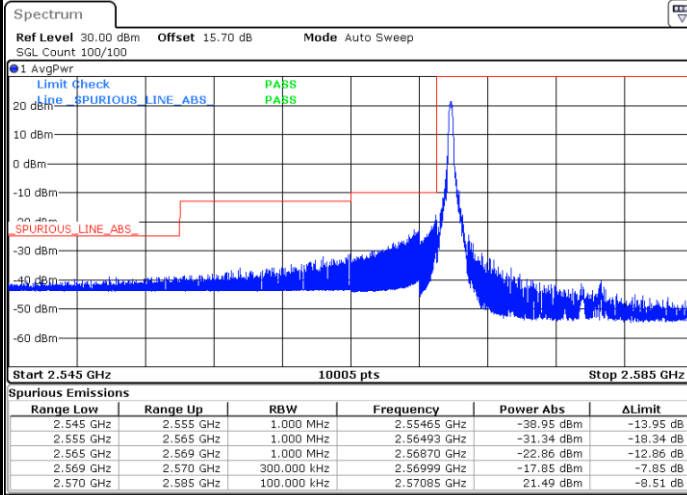


Date: 25.AUG.2022 15:25:43



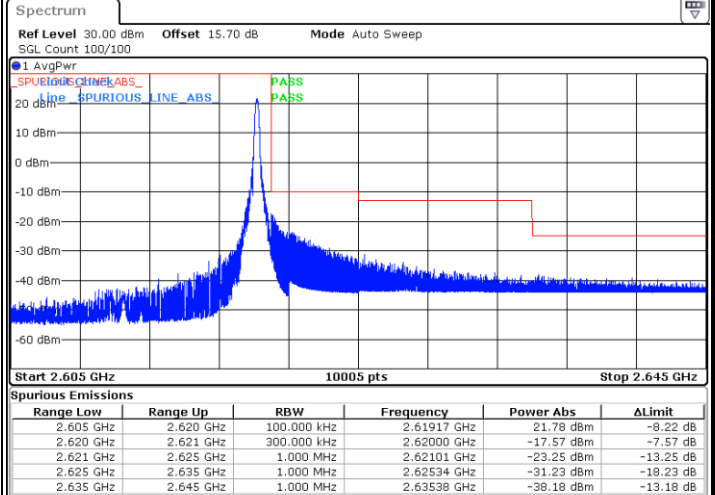
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



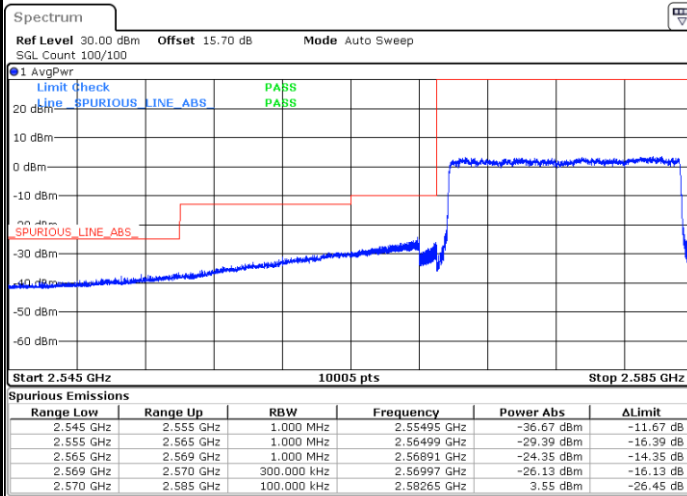
Date: 25.AUG.2022 15:22:47

Highest Band Edge / 1 RB



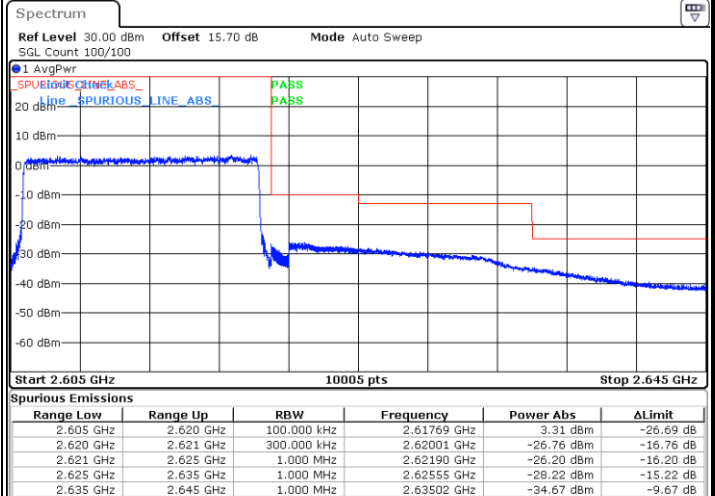
Date: 25.AUG.2022 15:28:40

Lowest Band Edge / Full RB



Date: 25.AUG.2022 15:24:45

Highest Band Edge / Full RB

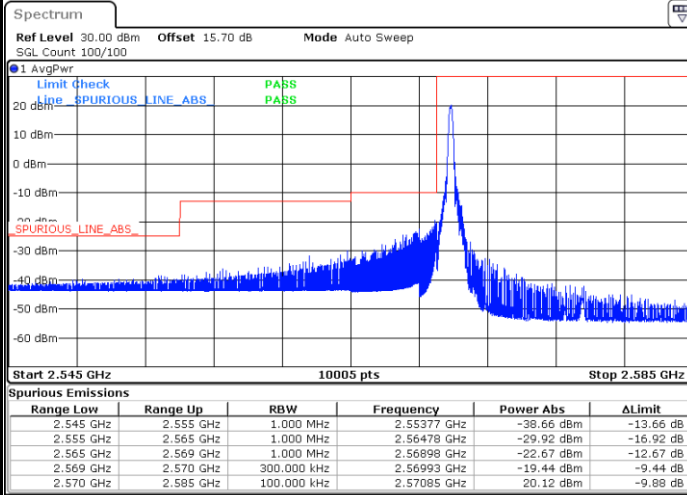


Date: 25.AUG.2022 15:26:42



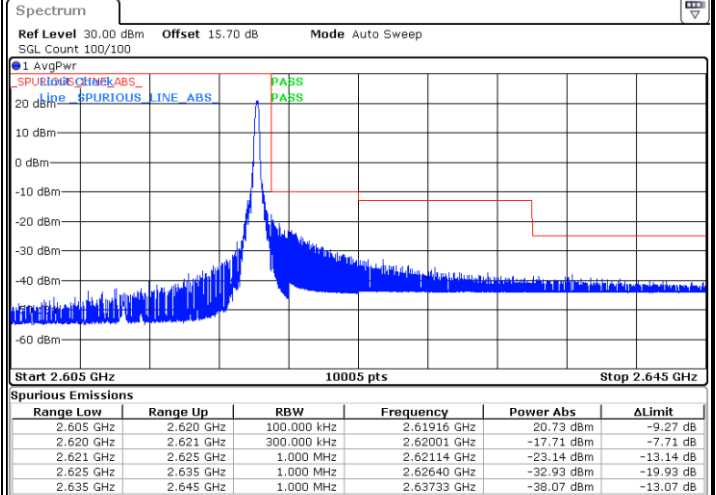
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



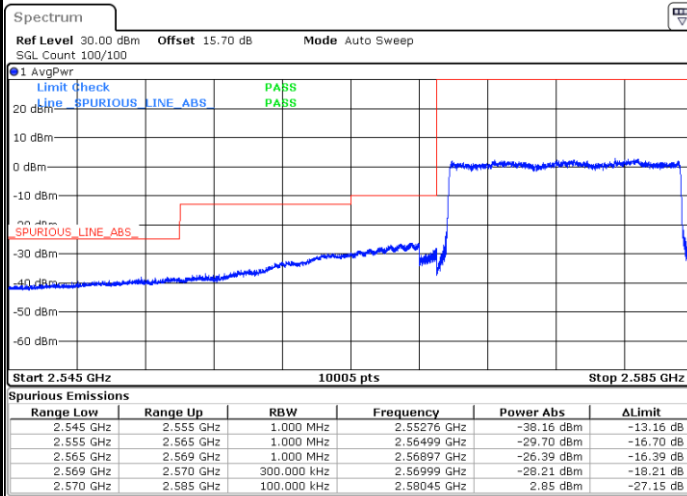
Date: 25.AUG.2022 15:29:39

Highest Band Edge / 1 RB



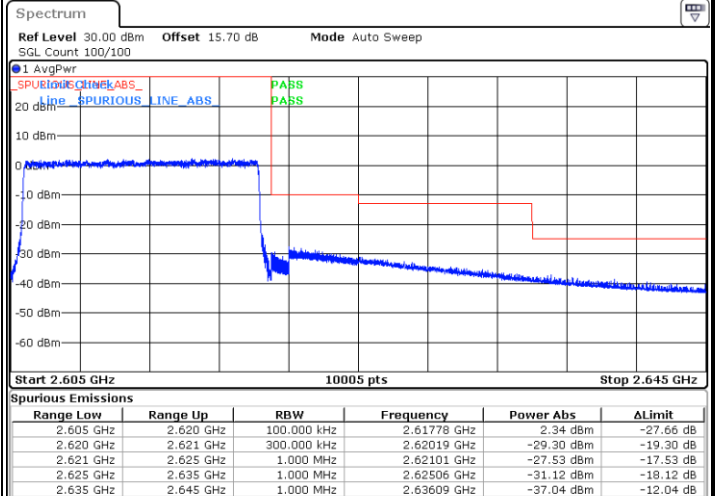
Date: 25.AUG.2022 15:32:38

Lowest Band Edge / Full RB



Date: 25.AUG.2022 15:30:37

Highest Band Edge / Full RB

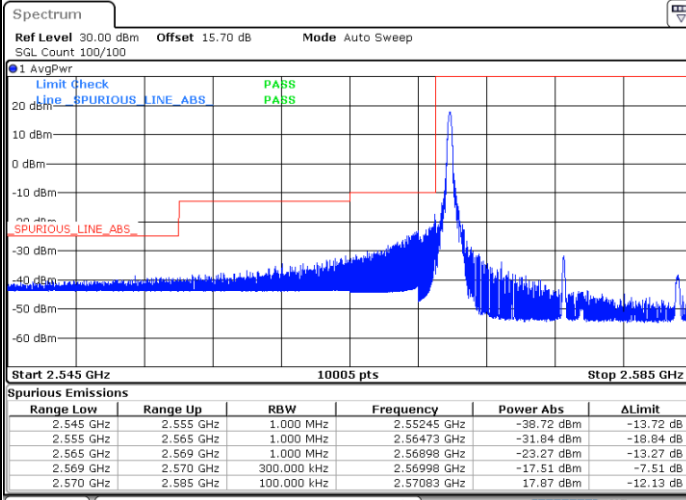


Date: 25.AUG.2022 15:31:36



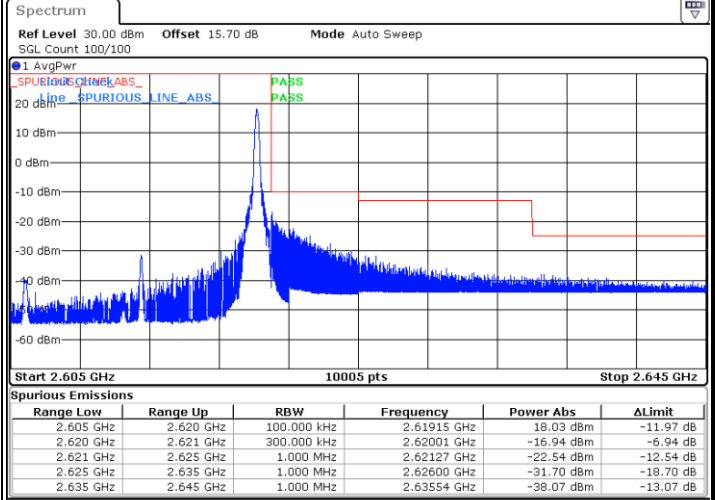
LTE Band 38 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



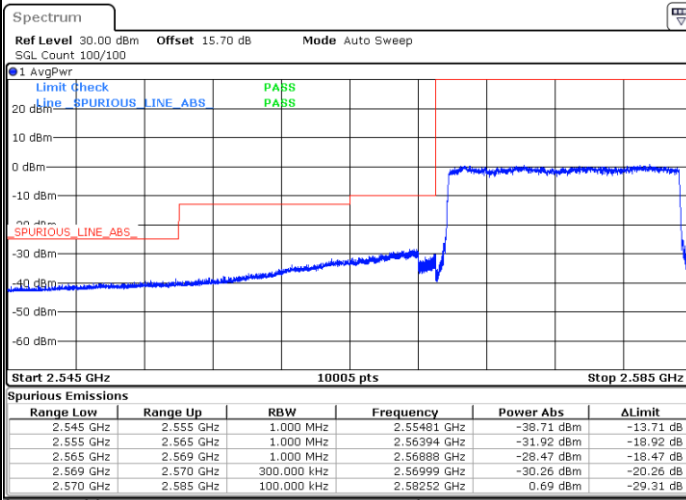
Date: 25.AUG.2022 17:15:25

Highest Band Edge / 1 RB



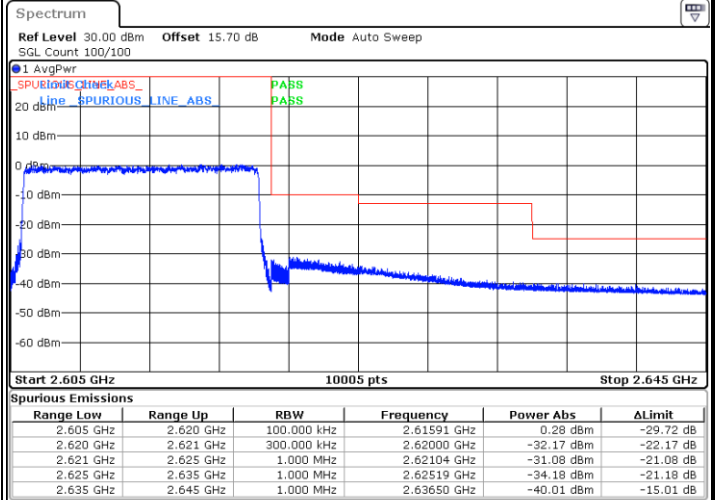
Date: 25.AUG.2022 17:18:30

Lowest Band Edge / Full RB



Date: 25.AUG.2022 17:16:27

Highest Band Edge / Full RB



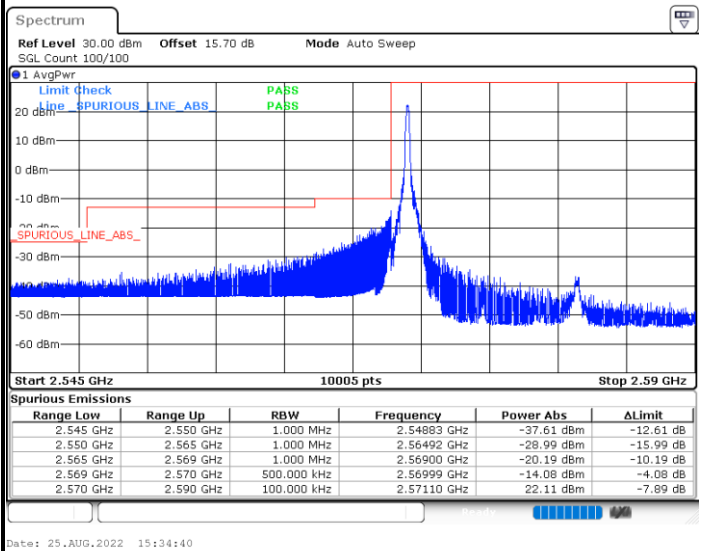
Date: 25.AUG.2022 17:17:28



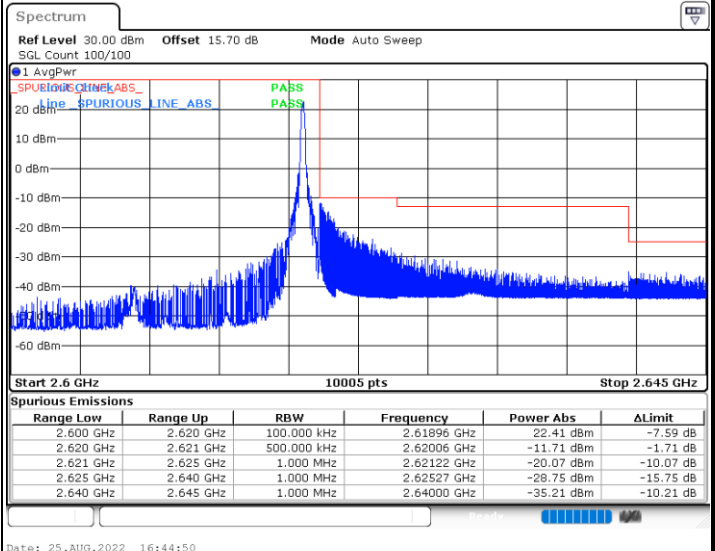
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



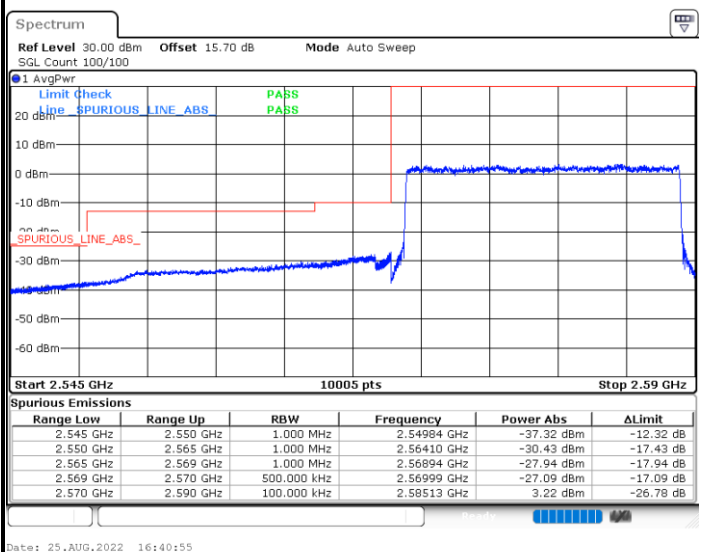
Date: 25.AUG.2022 15:34:40



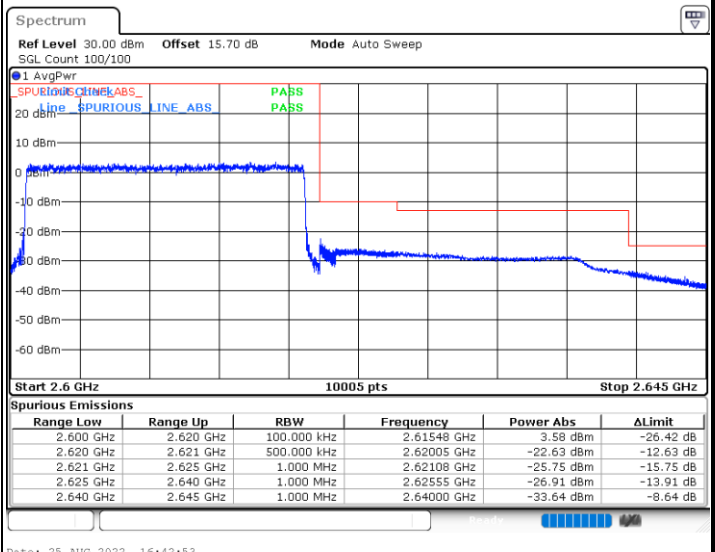
Date: 25.AUG.2022 16:44:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.AUG.2022 16:40:55

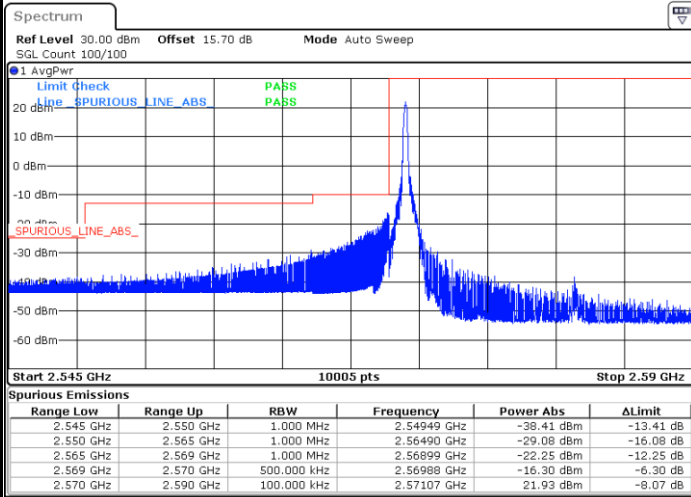


Date: 25.AUG.2022 16:42:53



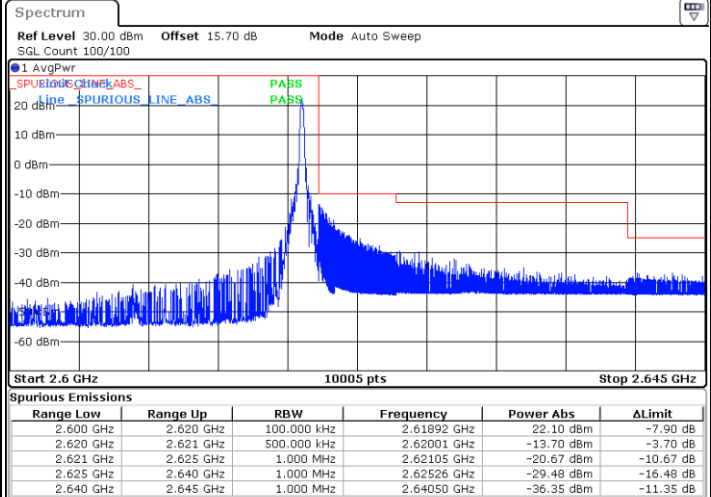
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



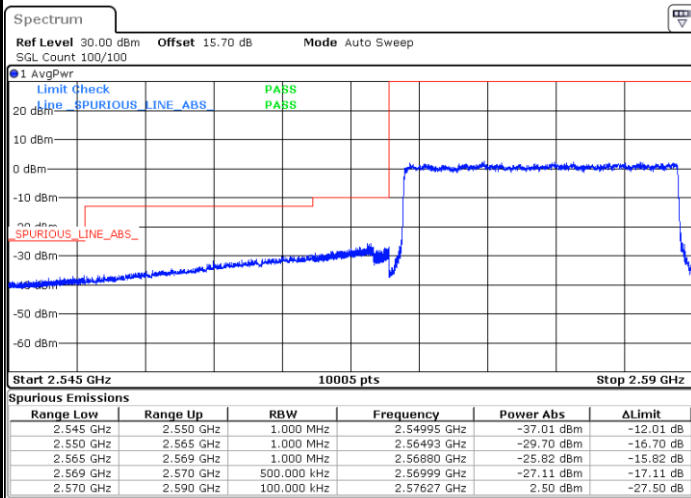
Date: 25.AUG.2022 16:39:56

Highest Band Edge / 1 RB



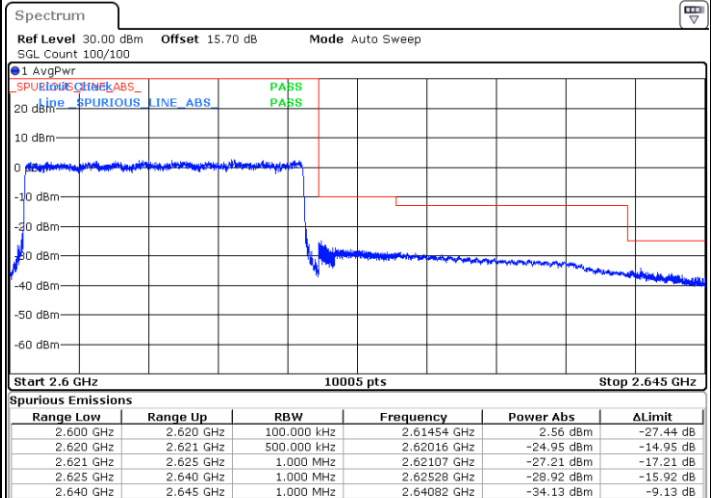
Date: 25.AUG.2022 16:45:49

Lowest Band Edge / Full RB



Date: 25.AUG.2022 16:41:54

Highest Band Edge / Full RB

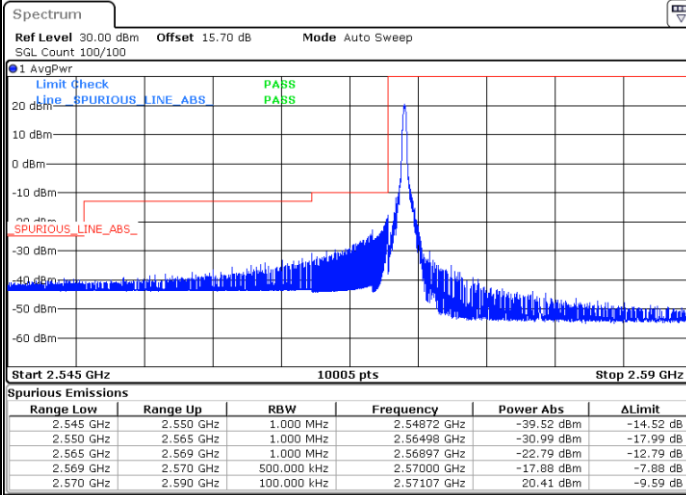


Date: 25.AUG.2022 16:43:52



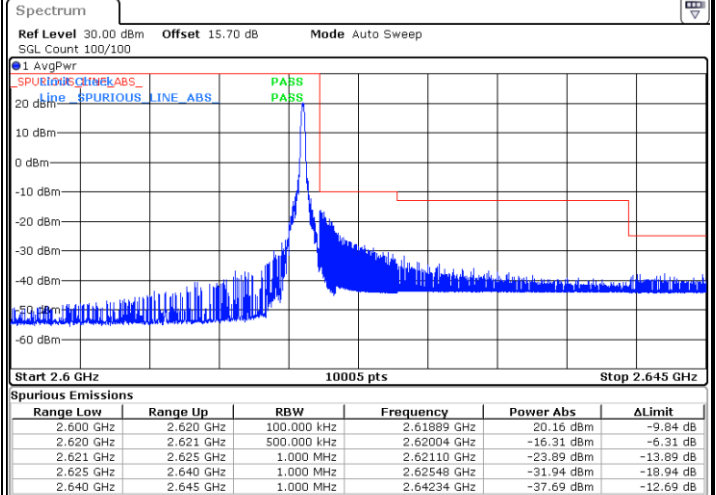
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



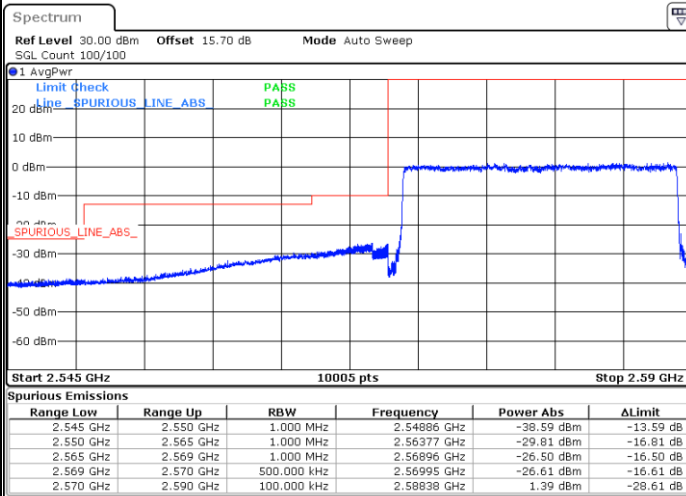
Date: 25.AUG.2022 16:46:51

Highest Band Edge / 1 RB



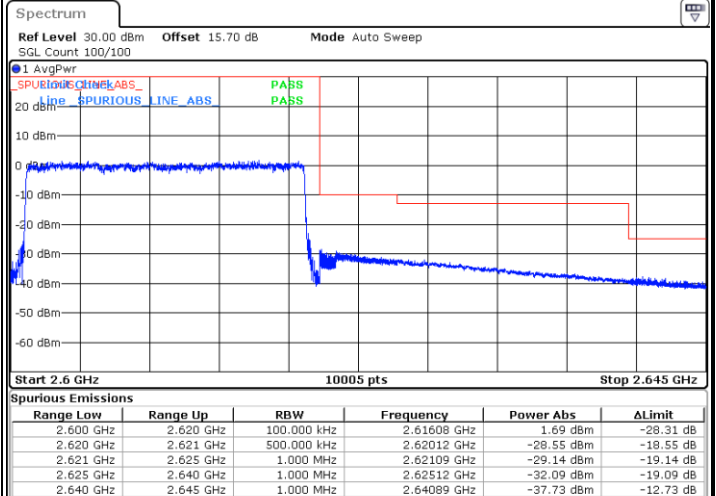
Date: 25.AUG.2022 16:49:47

Lowest Band Edge / Full RB



Date: 25.AUG.2022 16:47:49

Highest Band Edge / Full RB

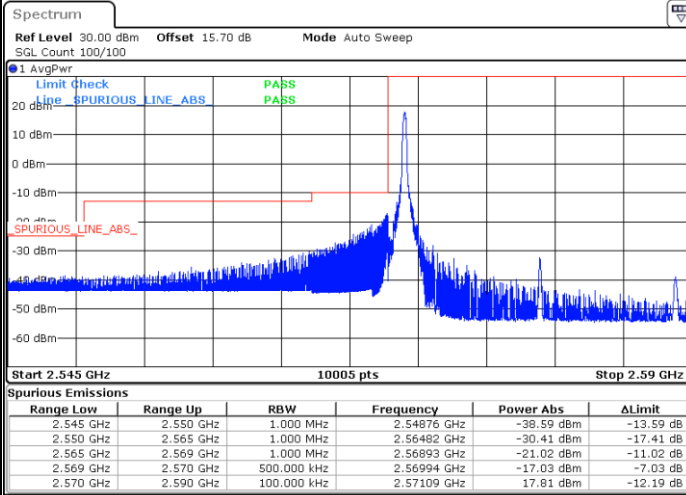


Date: 25.AUG.2022 16:48:48



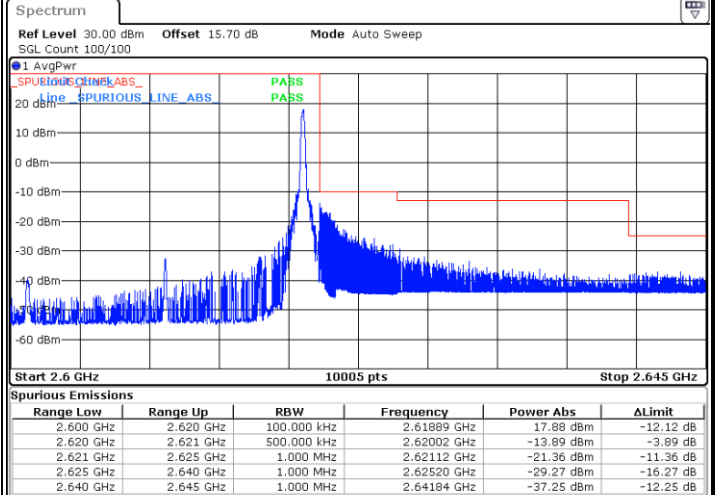
LTE Band 38 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



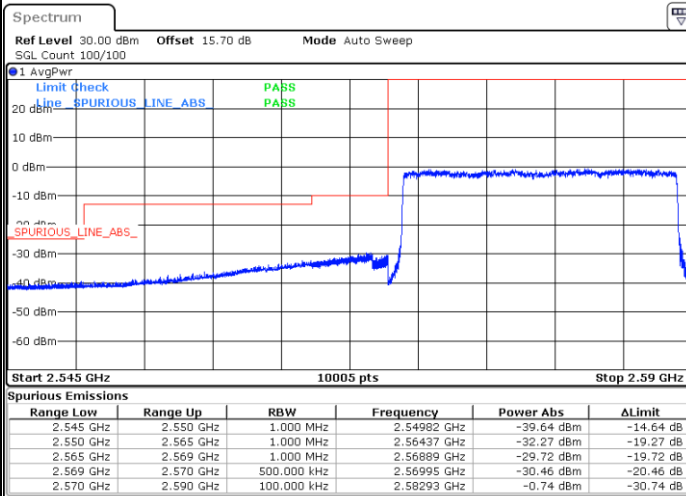
Date: 25.AUG.2022 17:19:33

Highest Band Edge / 1 RB



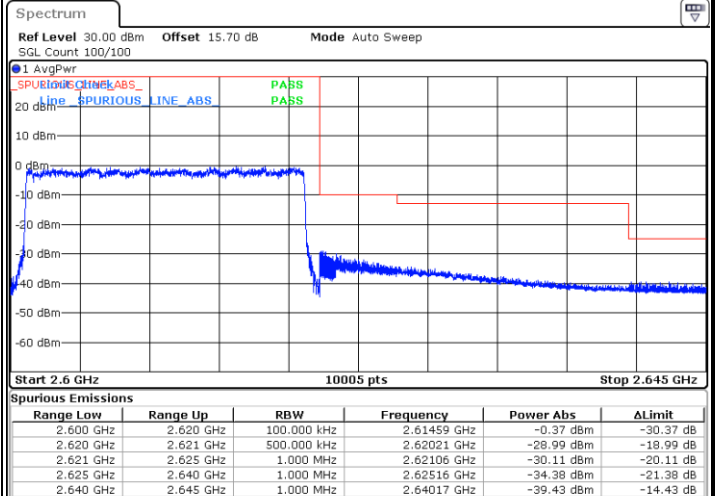
Date: 25.AUG.2022 17:22:38

Lowest Band Edge / Full RB



Date: 25.AUG.2022 17:20:35

Highest Band Edge / Full RB



Date: 25.AUG.2022 17:21:36

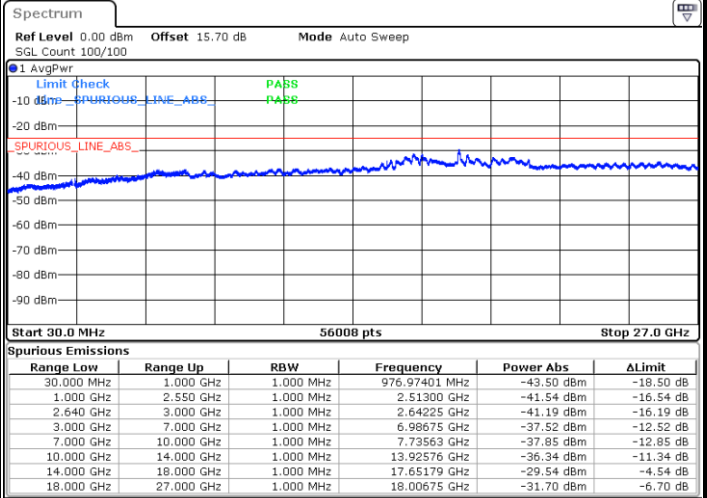
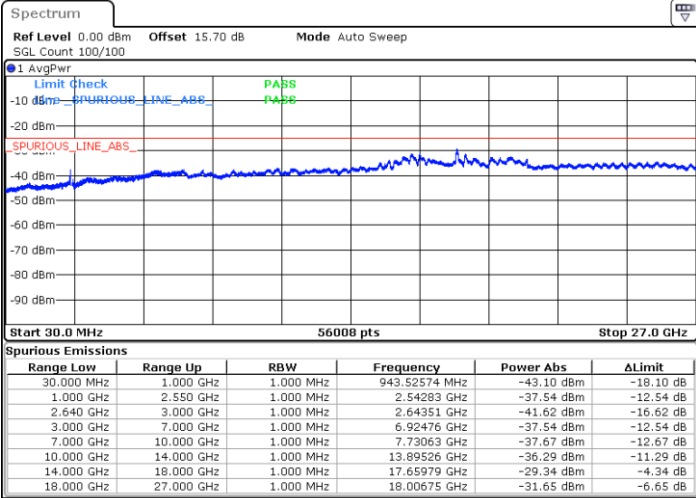


Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

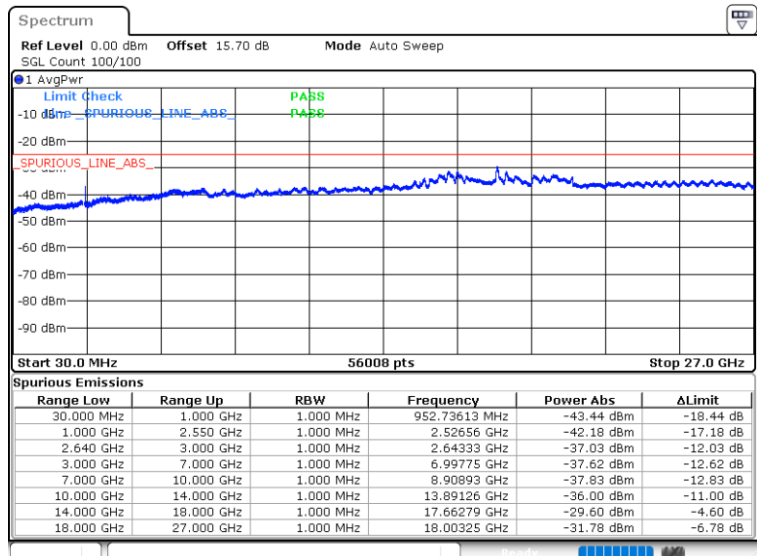
Middle Channel / QPSK



Date: 25.AUG.2022 16:51:13

Date: 25.AUG.2022 16:52:32

Highest Channel / QPSK



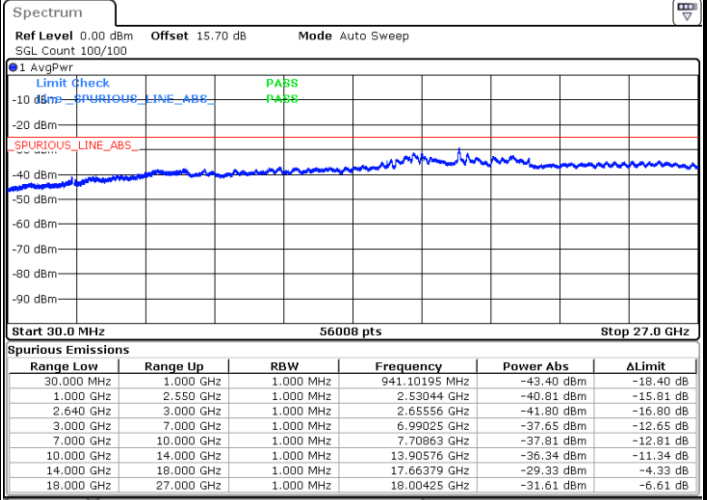
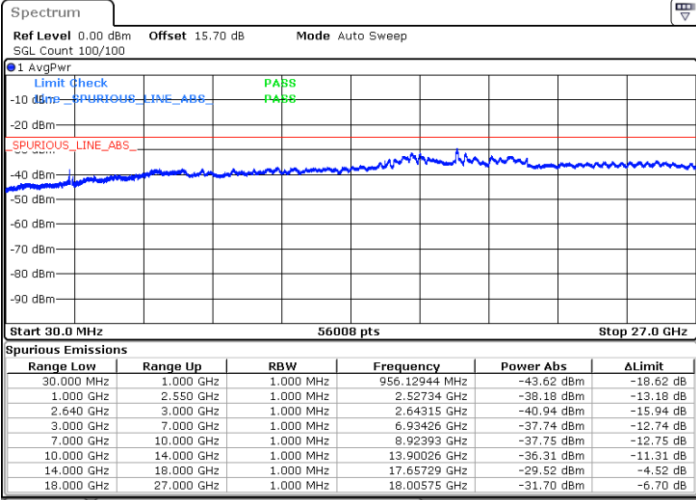
Date: 25.AUG.2022 16:53:50



LTE Band 38 / 10MHz

Lowest Channel / QPSK

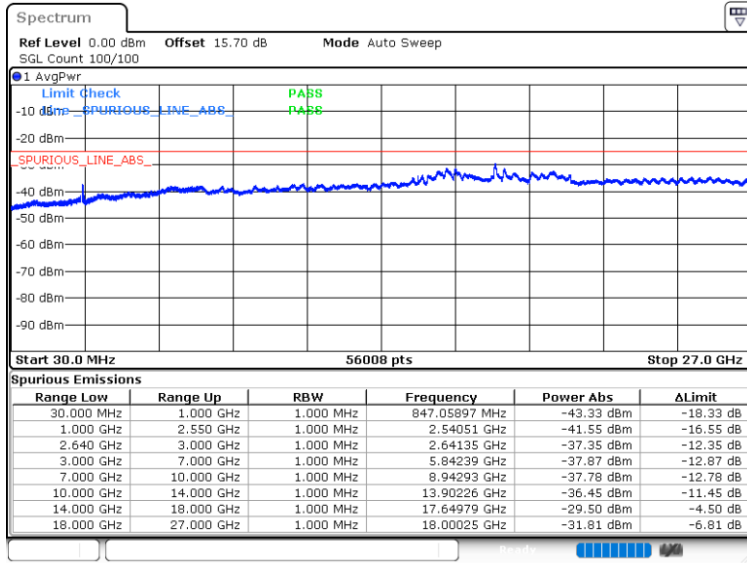
Middle Channel / QPSK



Date: 25.AUG.2022 16:55:14

Date: 25.AUG.2022 16:56:33

Highest Channel / QPSK



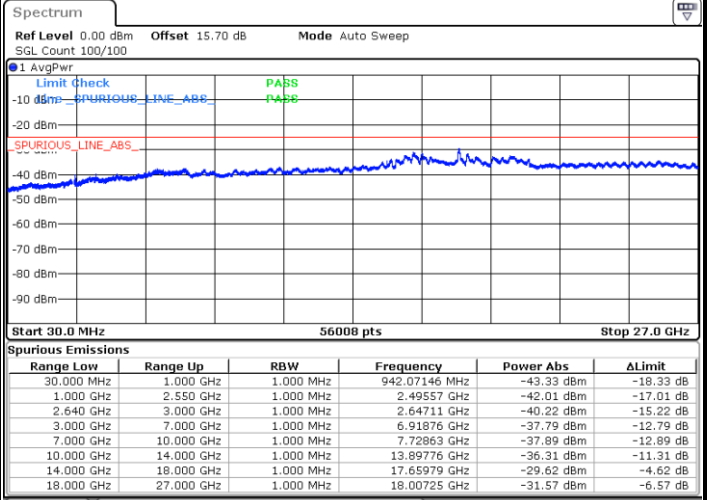
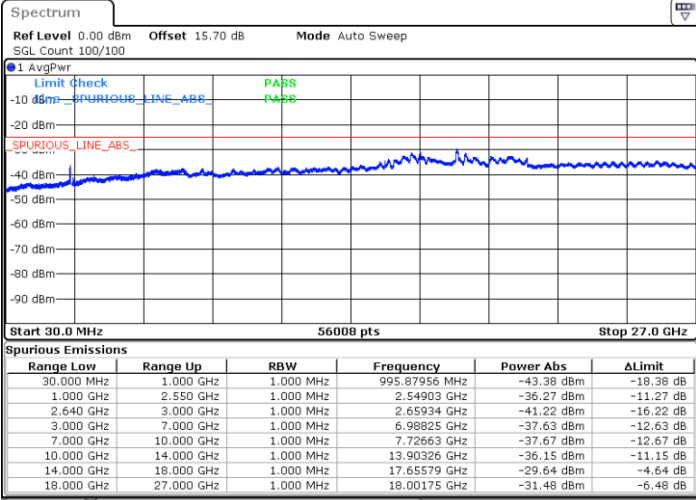
Date: 25.AUG.2022 16:57:51



LTE Band 38 / 15MHz

Lowest Channel / QPSK

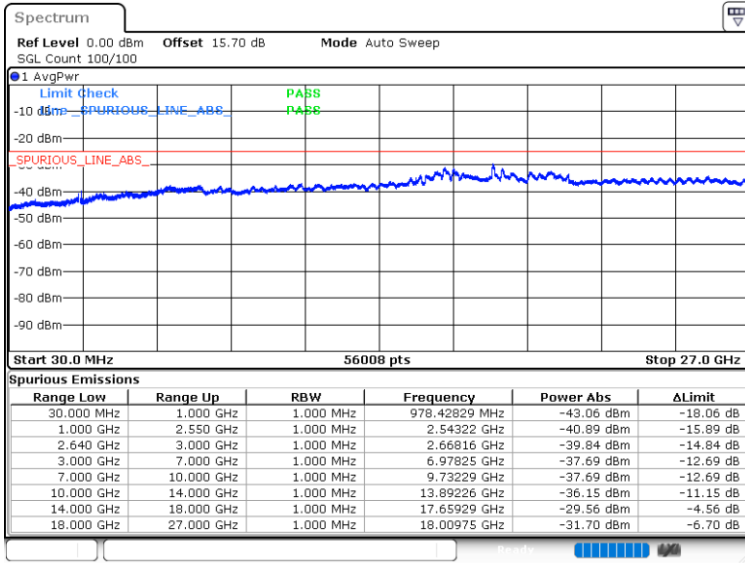
Middle Channel / QPSK



Date: 25.AUG.2022 16:59:18

Date: 25.AUG.2022 17:00:37

Highest Channel / QPSK



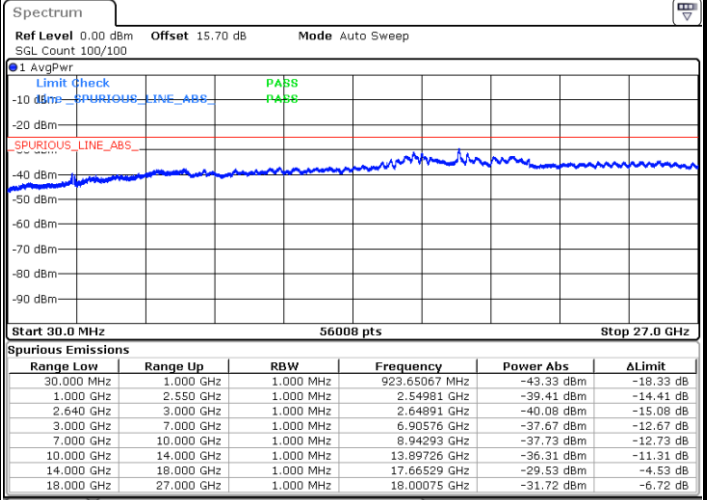
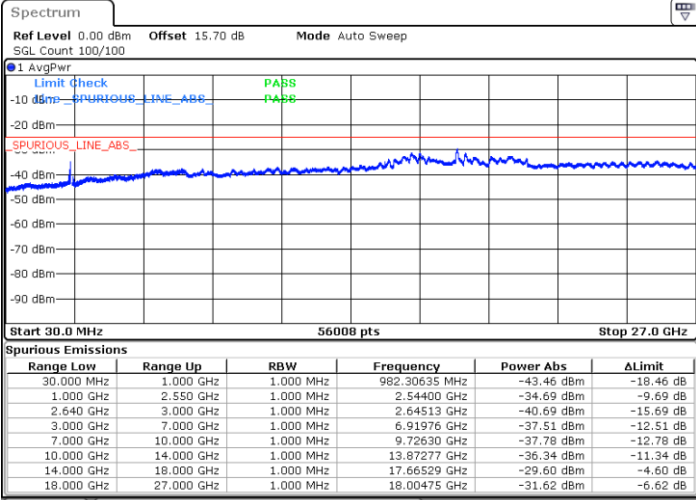
Date: 25.AUG.2022 17:01:55



LTE Band 38 / 20MHz

Lowest Channel / QPSK

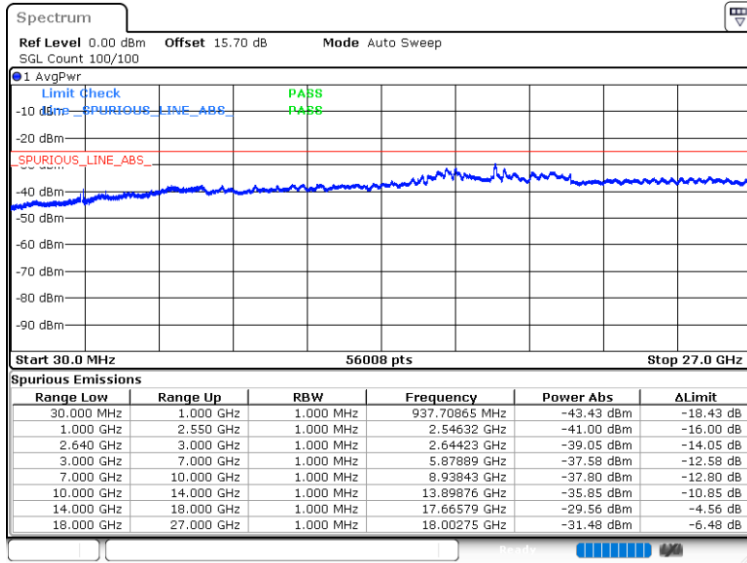
Middle Channel / QPSK



Date: 25.AUG.2022 17:03:22

Date: 25.AUG.2022 17:04:40

Highest Channel / QPSK



Date: 25.AUG.2022 17:05:59



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	0.0005	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

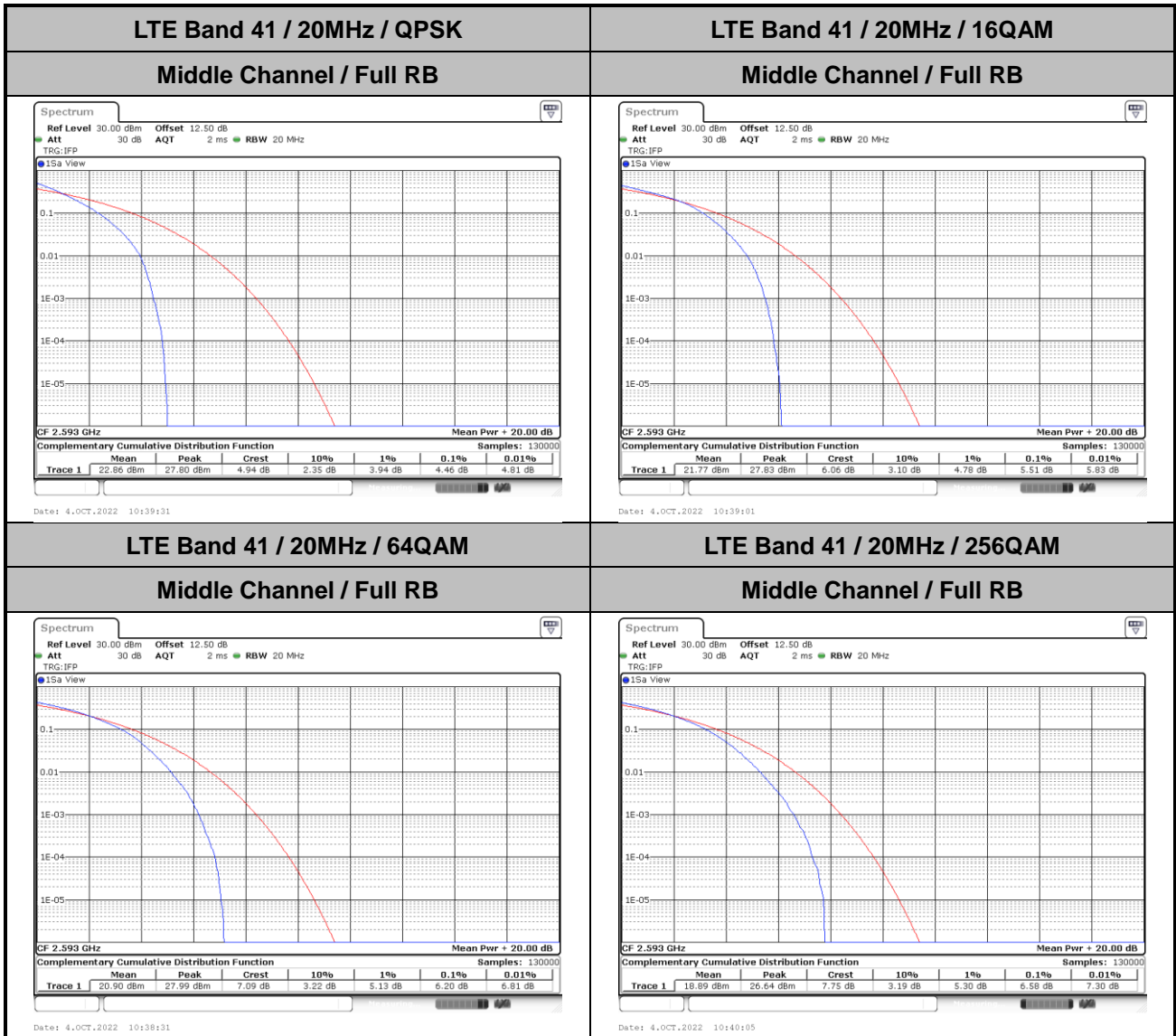
- 1. Normal Voltage = 4.05 V. ; Battery End Point (BEP) = 3.85 V. ; Maximum Voltage = 4.35 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



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	4.46	5.51	6.20	6.58	PASS





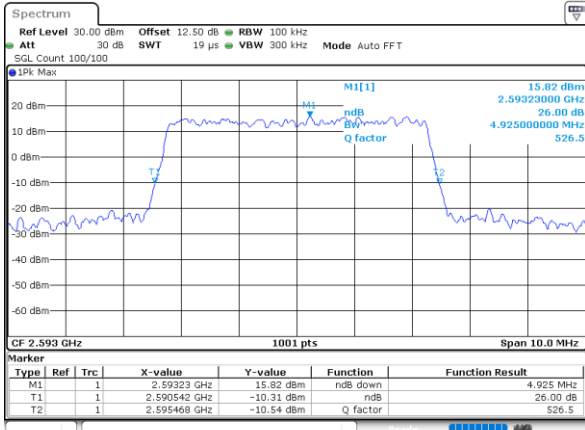
26dB Bandwidth

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	-	-	-	-	4.93	4.94	9.69	9.81	14.36	14.30	19.26	19.06
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.88	4.89	9.75	9.69	14.51	14.45	18.86	18.78



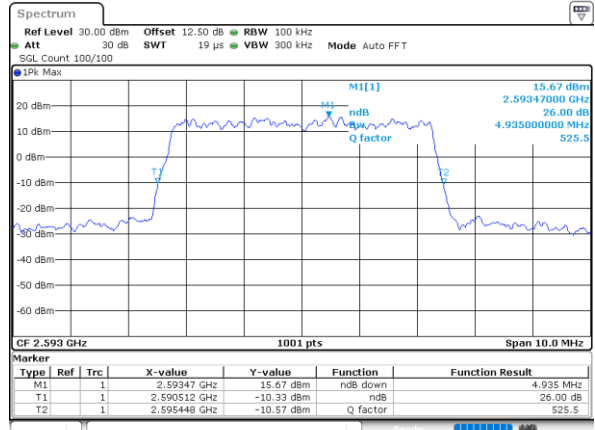
LTE Band 41

Middle Channel / 5MHz / QPSK



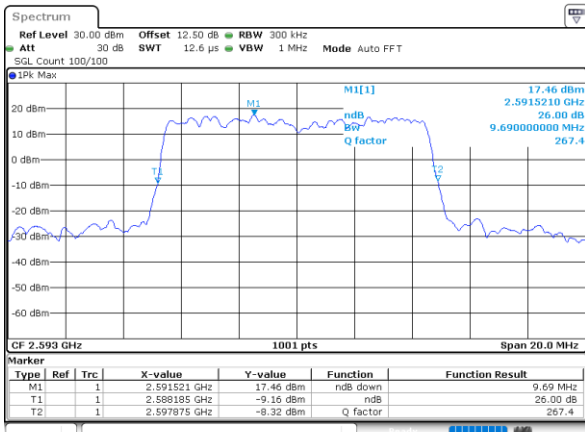
Date: 4.OCT.2022 10:23:19

Middle Channel / 5MHz / 16QAM



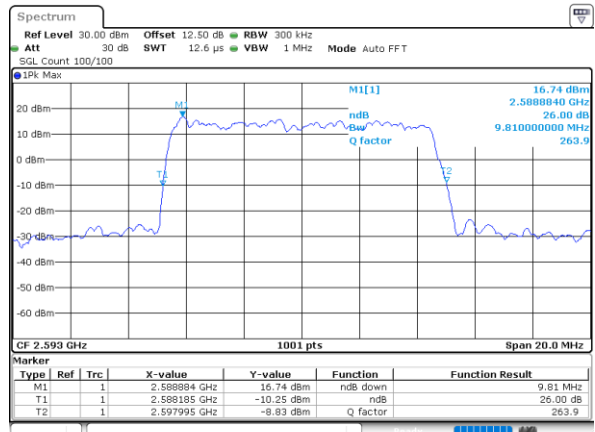
Date: 4.OCT.2022 10:23:47

Middle Channel / 10MHz / QPSK



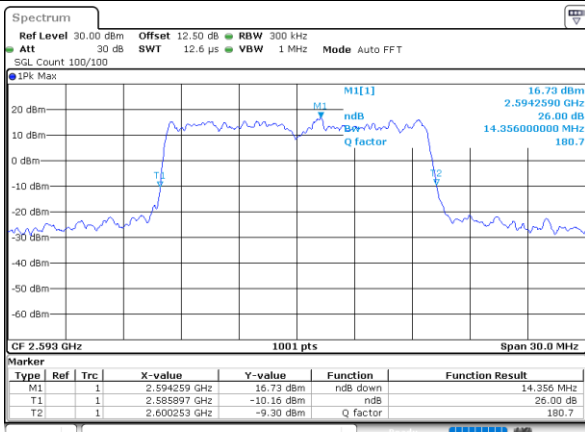
Date: 4.OCT.2022 10:25:23

Middle Channel / 10MHz / 16QAM



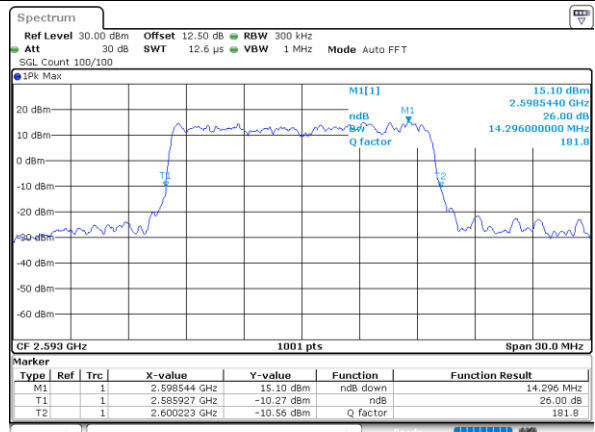
Date: 4.OCT.2022 10:25:52

Middle Channel / 15MHz / QPSK



Date: 4.OCT.2022 10:27:24

Middle Channel / 15MHz / 16QAM



Date: 4.OCT.2022 10:27:53