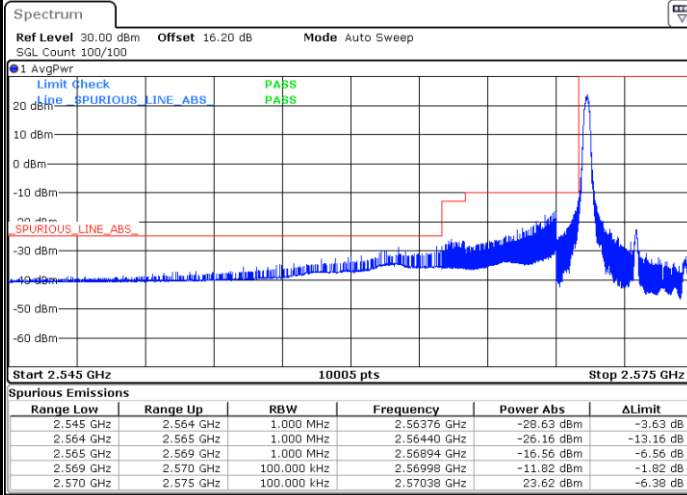




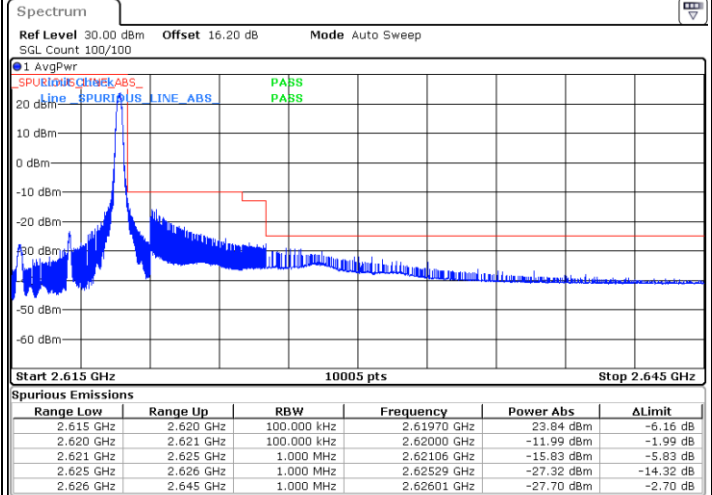
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



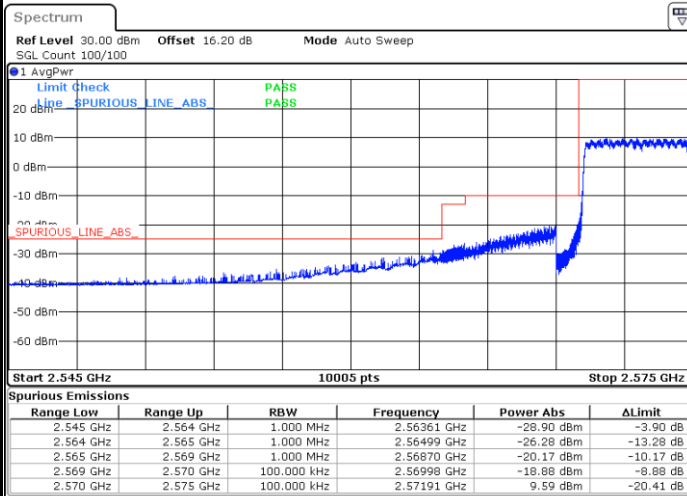
Date: 18.JUL.2023 15:22:55

Highest Band Edge / 1 RB



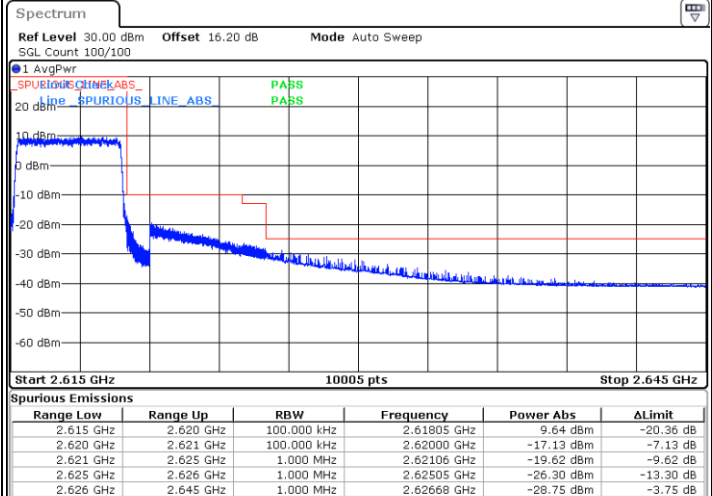
Date: 18.JUL.2023 17:49:06

Lowest Band Edge / Full RB



Date: 18.JUL.2023 15:23:55

Highest Band Edge / Full RB

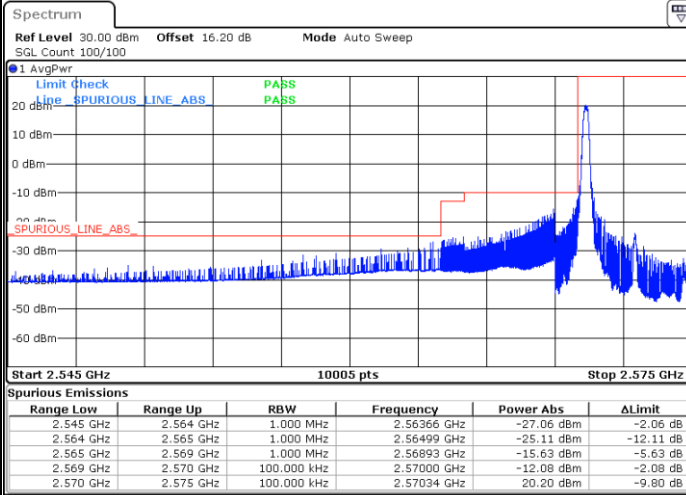


Date: 18.JUL.2023 15:24:55



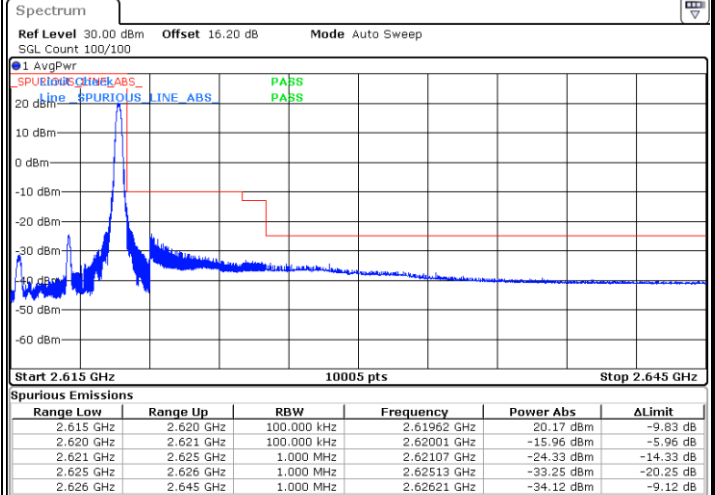
LTE Band 38 / 5MHz / 256QAM

Lowest Band Edge / 1RB



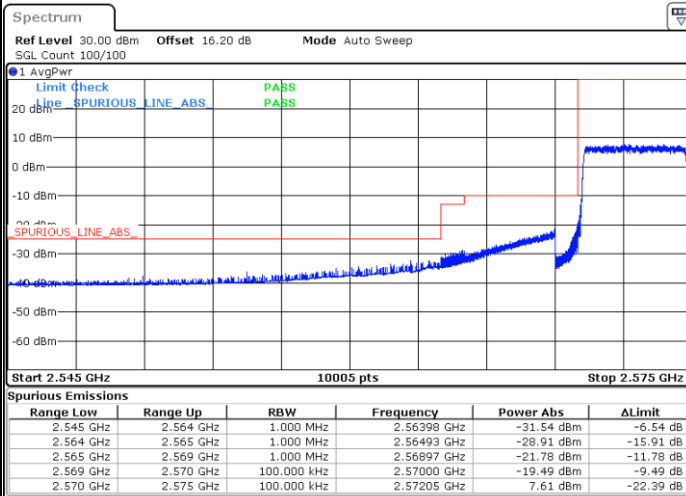
Date: 18.JUL.2023 15:59:38

Highest Band Edge / 1 RB



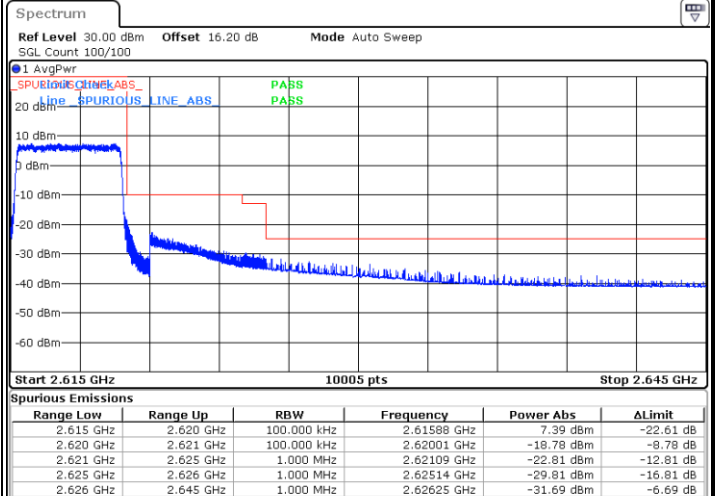
Date: 18.JUL.2023 16:02:38

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:00:38

Highest Band Edge / Full RB

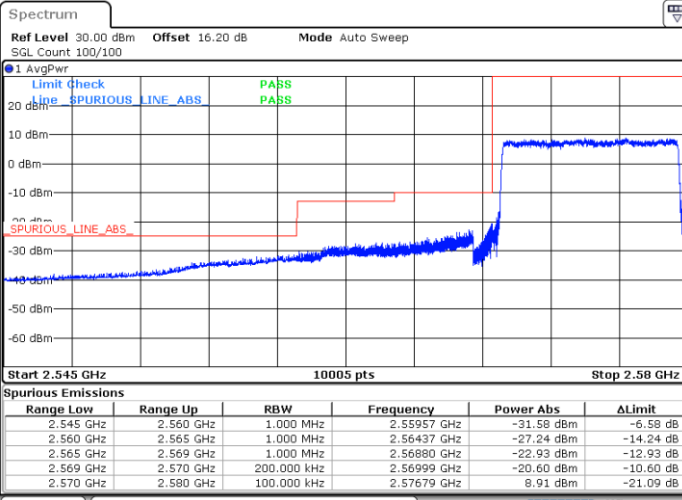


Date: 18.JUL.2023 16:01:38



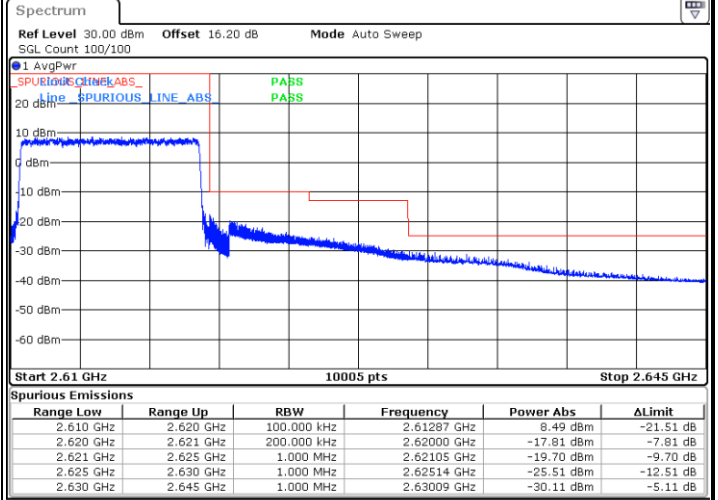
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 18.JUL.2023 15:29:00

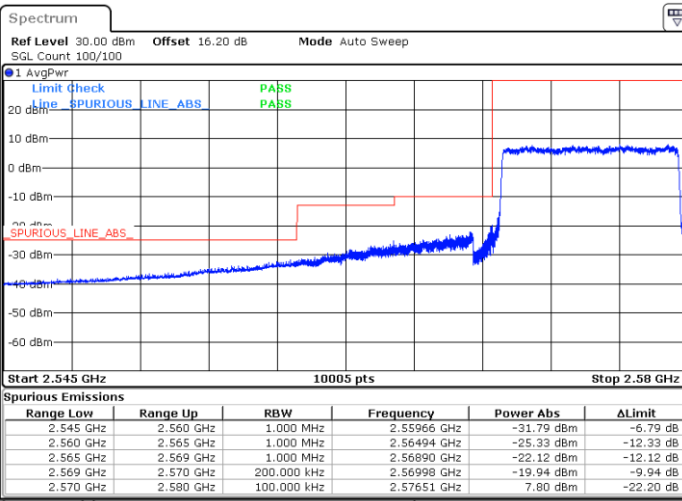
Highest Band Edge / Full RB



Date: 18.JUL.2023 15:31:00

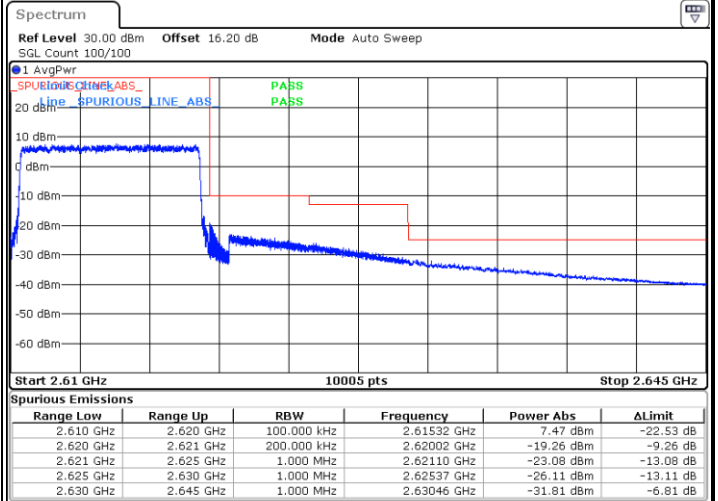
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 15:30:00

Highest Band Edge / Full RB

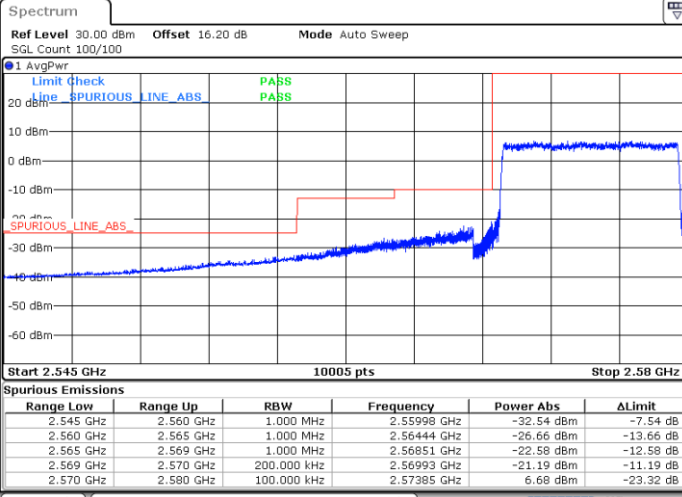


Date: 18.JUL.2023 15:32:01



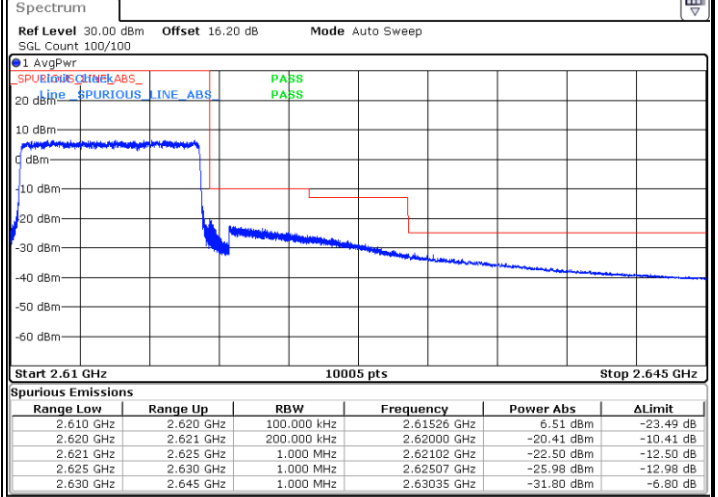
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 15:27:01

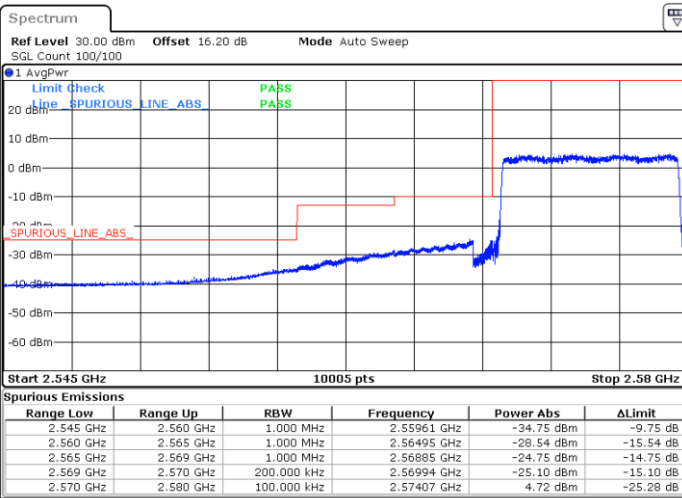
Highest Band Edge / Full RB



Date: 18.JUL.2023 15:28:00

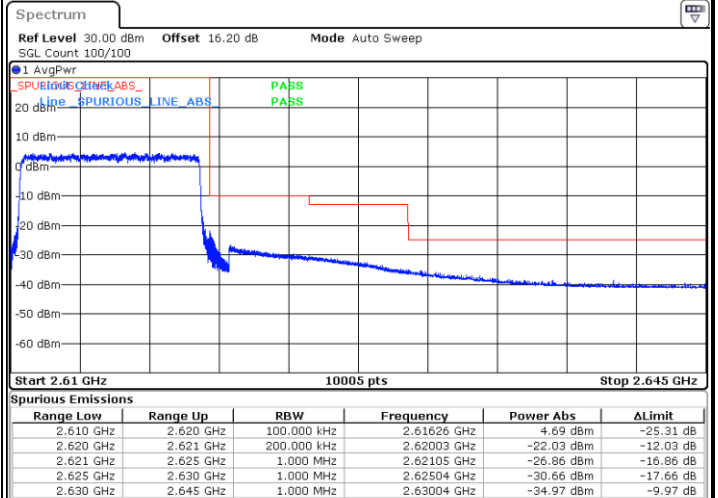
LTE Band 38 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:03:43

Highest Band Edge / Full RB



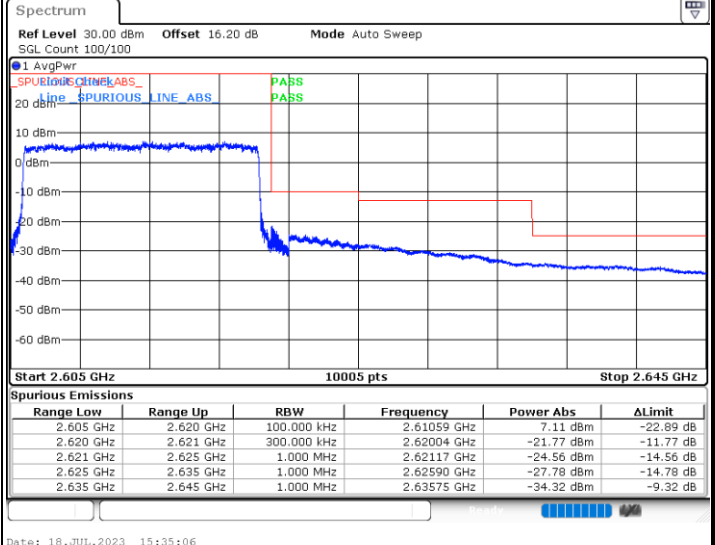
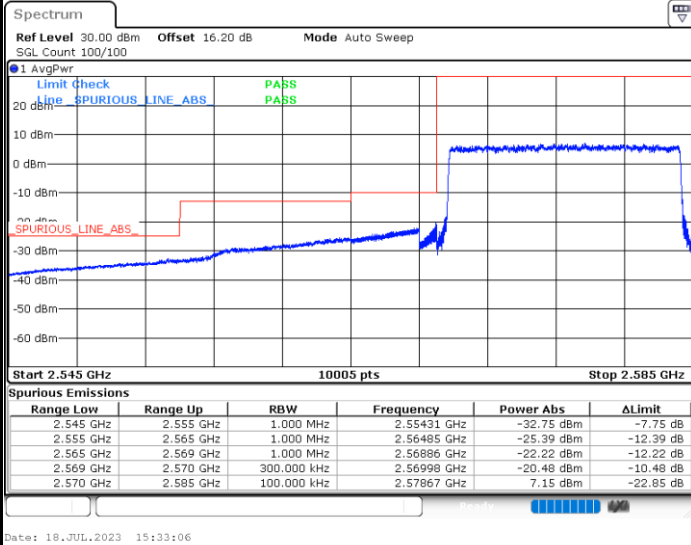
Date: 18.JUL.2023 16:04:43



LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



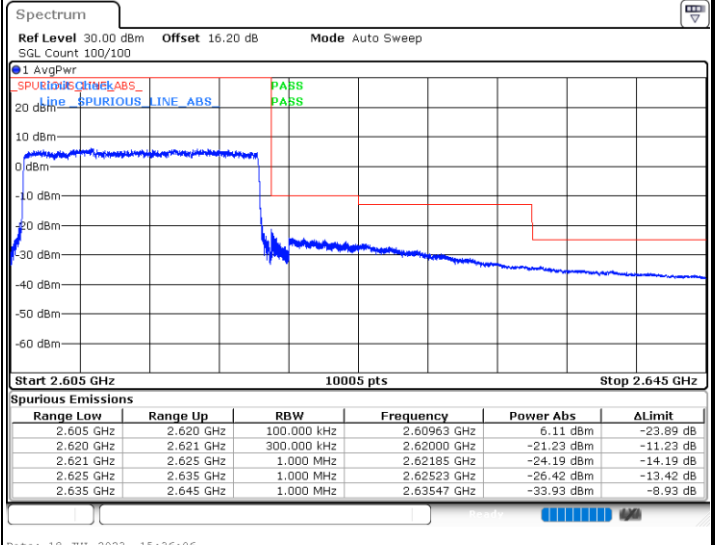
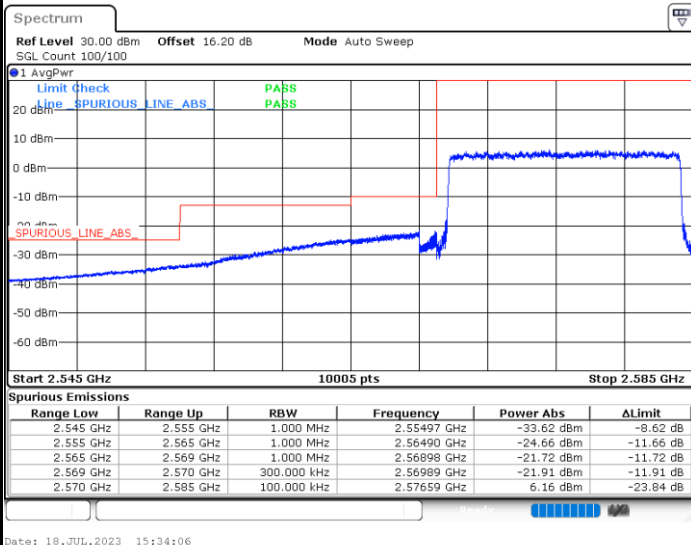
Date: 18.JUL.2023 15:33:06

Date: 18.JUL.2023 15:35:06

LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



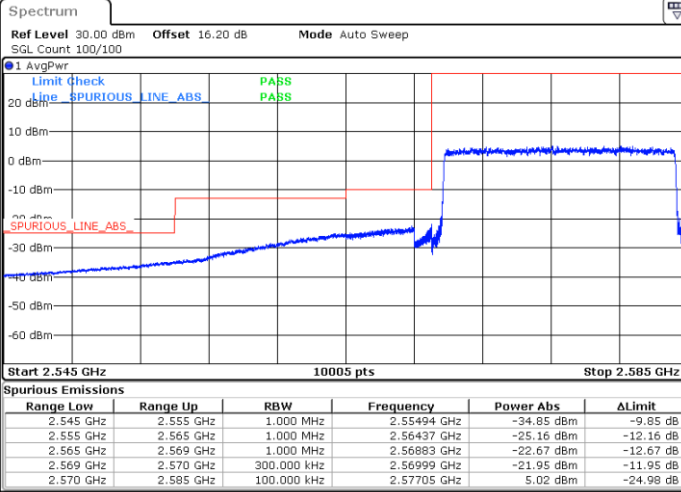
Date: 18.JUL.2023 15:34:06

Date: 18.JUL.2023 15:36:06



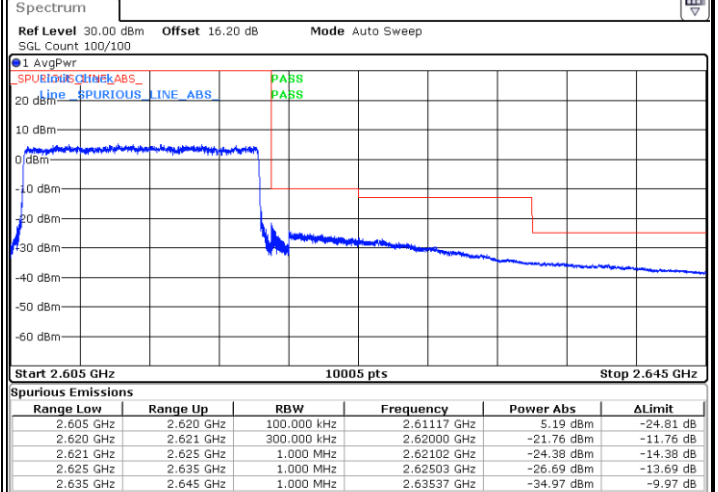
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 15:37:06

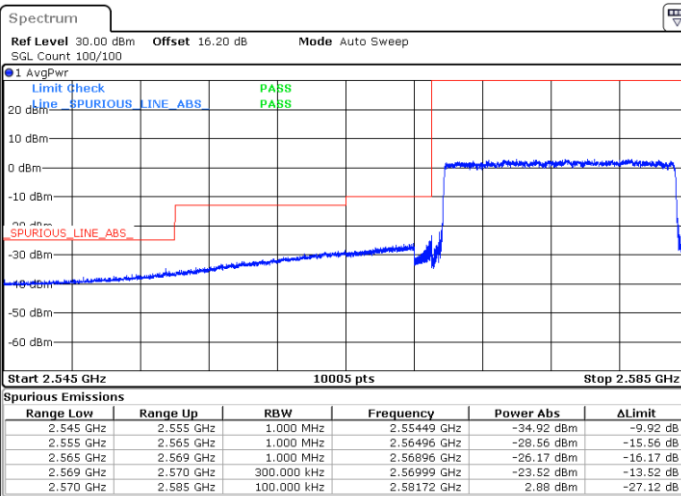
Highest Band Edge / Full RB



Date: 18.JUL.2023 15:38:06

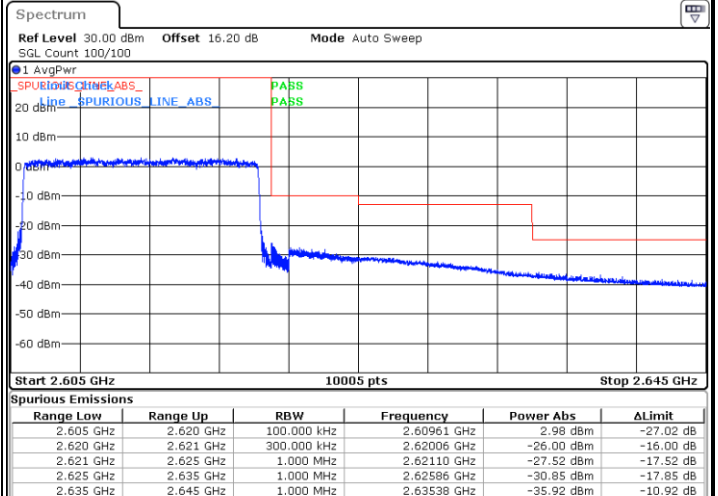
LTE Band 38 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:05:48

Highest Band Edge / Full RB

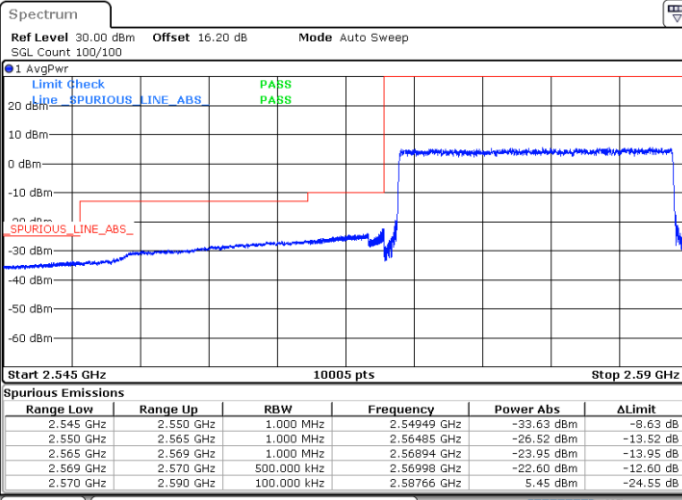


Date: 18.JUL.2023 16:06:48



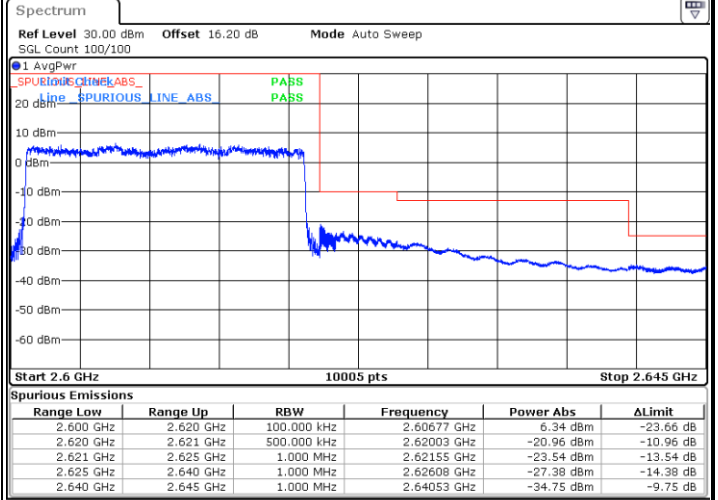
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 18.JUL.2023 15:39:11

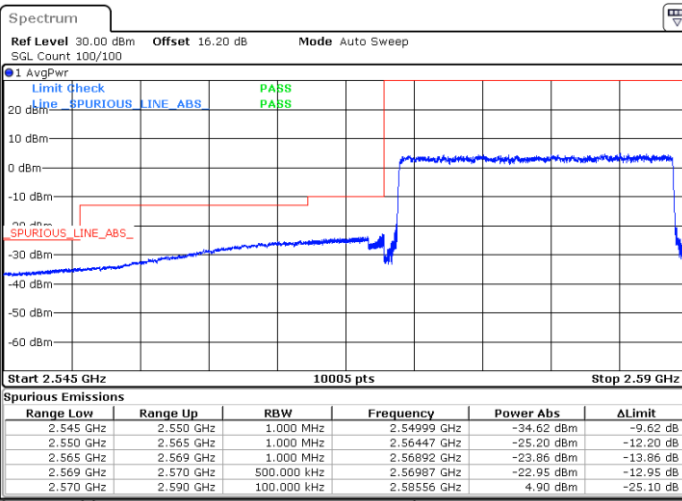
Highest Band Edge / Full RB



Date: 18.JUL.2023 15:41:11

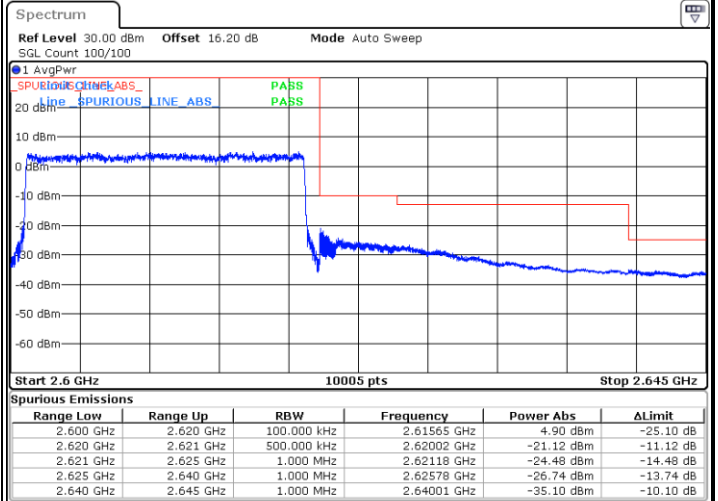
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 15:40:11

Highest Band Edge / Full RB

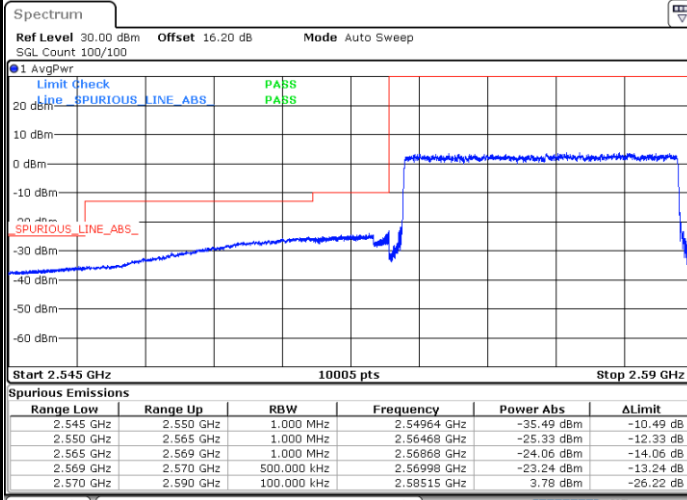


Date: 18.JUL.2023 15:42:12



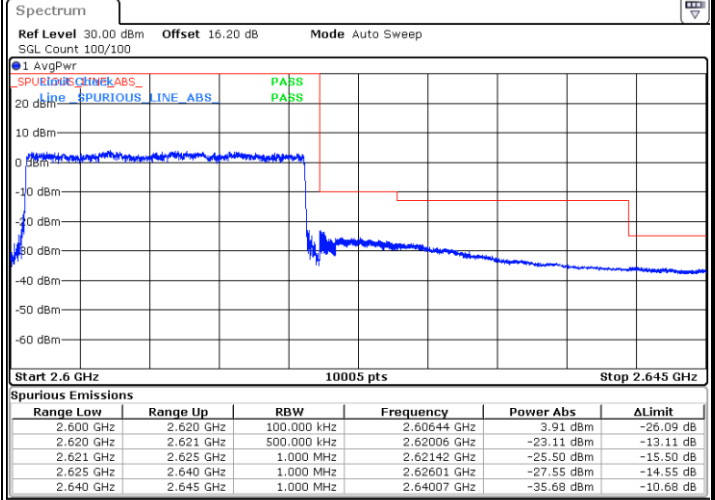
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 15:43:12

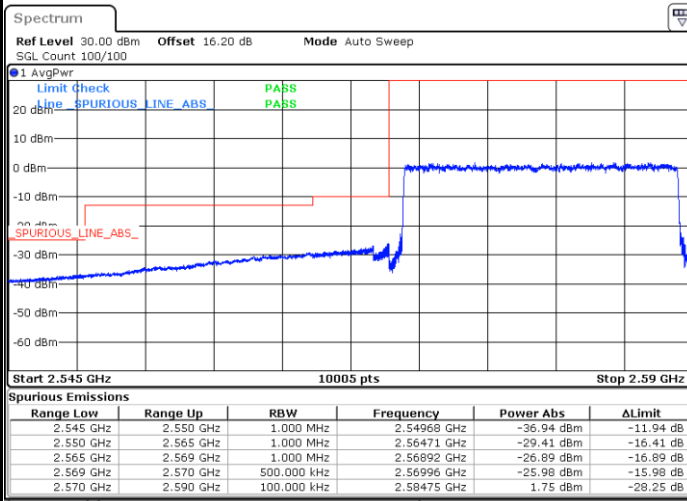
Highest Band Edge / Full RB



Date: 18.JUL.2023 15:44:12

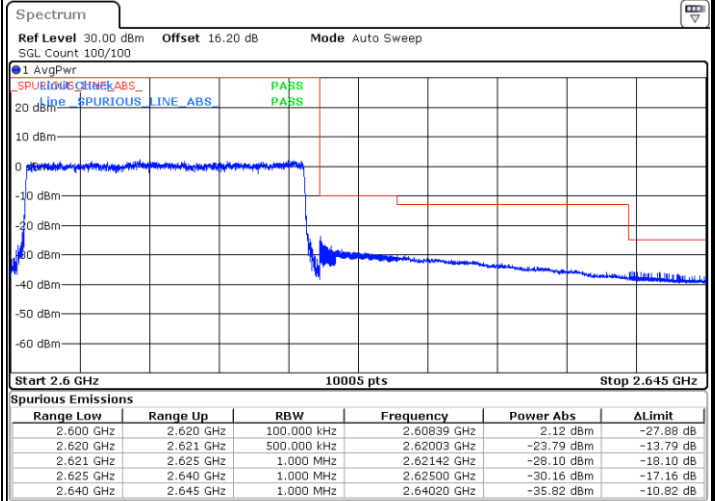
LTE Band 38 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:07:53

Highest Band Edge / Full RB



Date: 18.JUL.2023 16:08:53

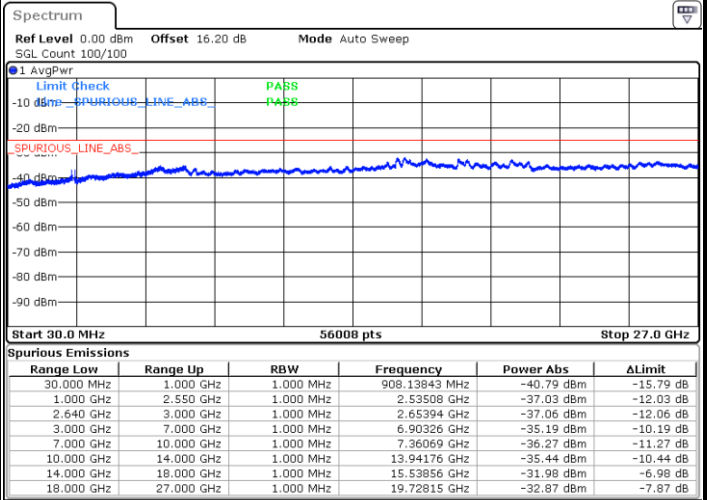
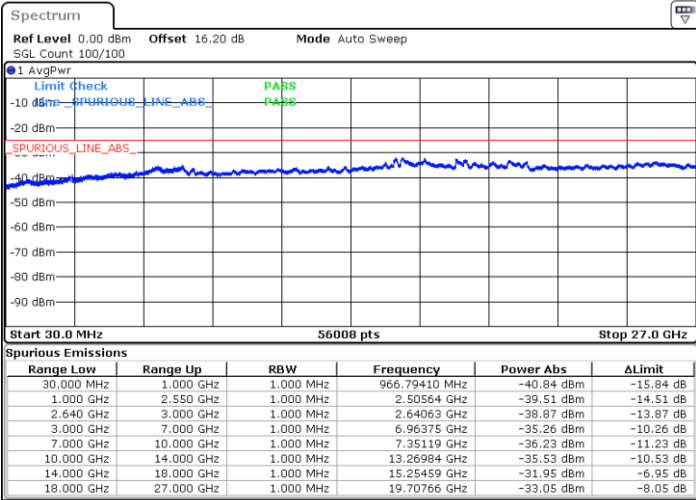


Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

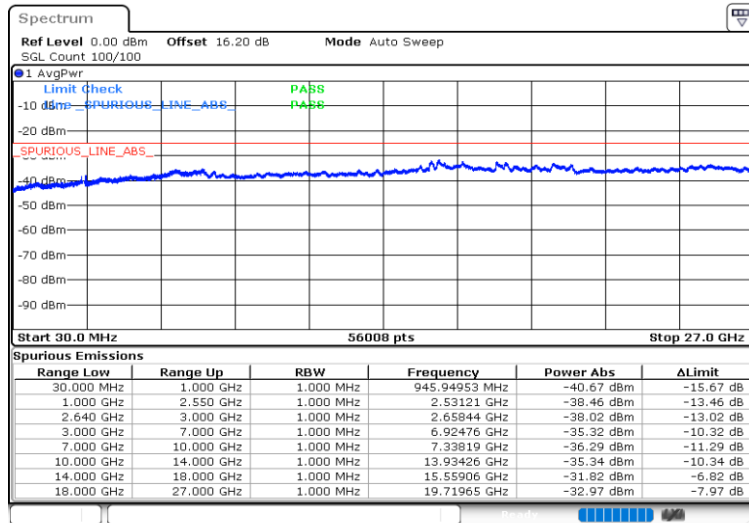
Middle Channel / QPSK



Date: 18.JUL.2023 15:45:28

Date: 18.JUL.2023 15:46:38

Highest Channel / QPSK



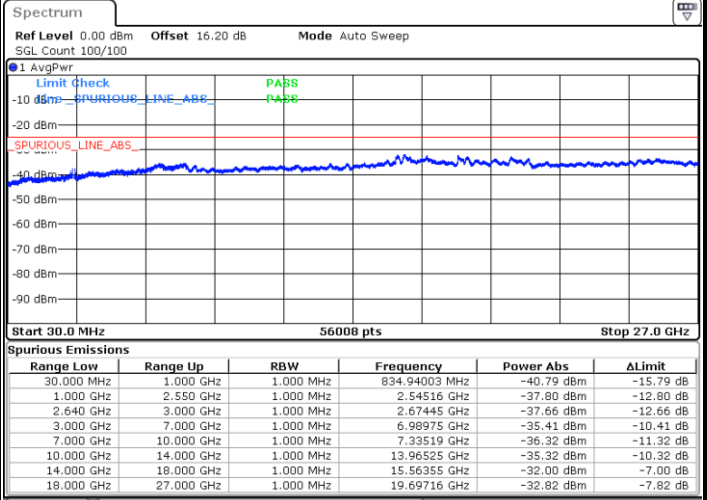
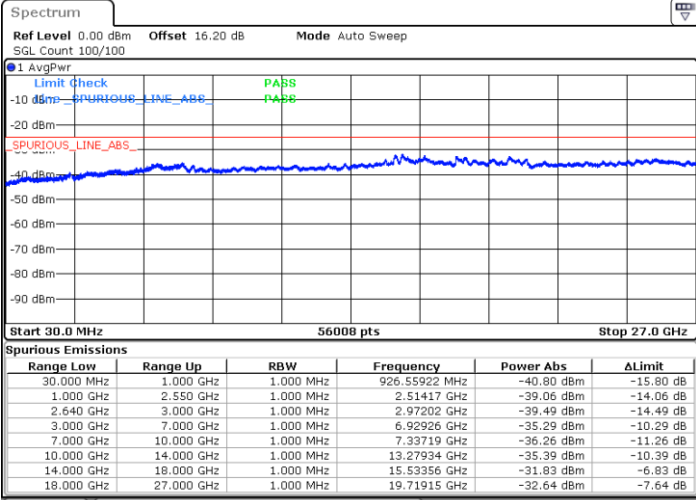
Date: 18.JUL.2023 15:47:47



LTE Band 38 / 10MHz

Lowest Channel / QPSK

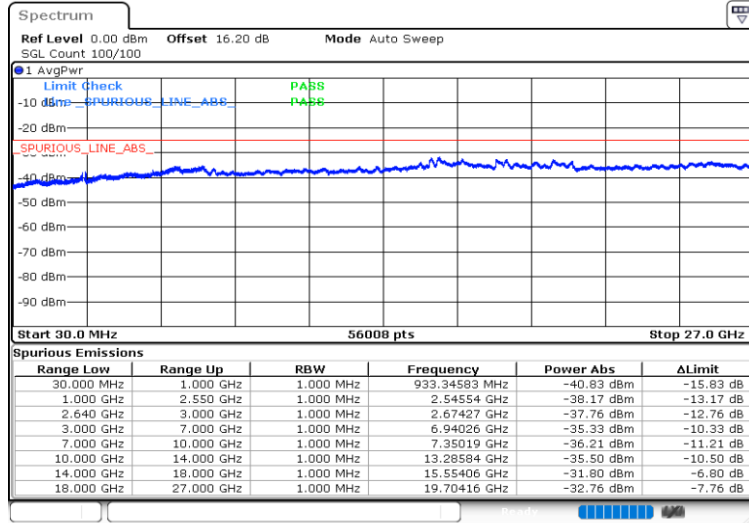
Middle Channel / QPSK



Date: 18.JUL.2023 15:49:03

Date: 18.JUL.2023 15:50:13

Highest Channel / QPSK



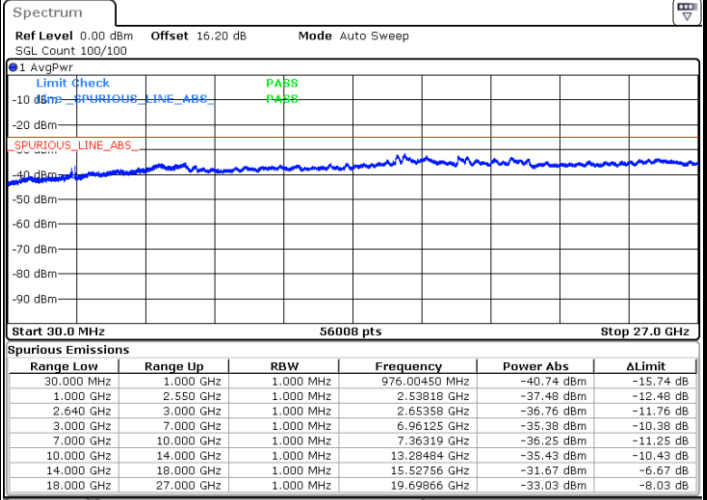
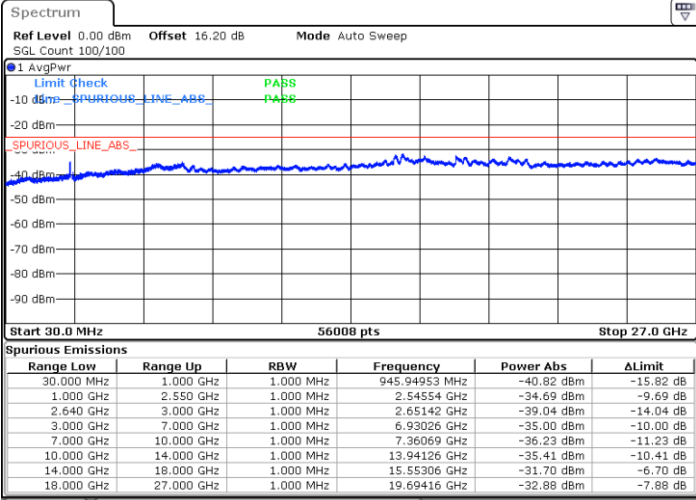
Date: 18.JUL.2023 15:51:22



LTE Band 38 / 15MHz

Lowest Channel / QPSK

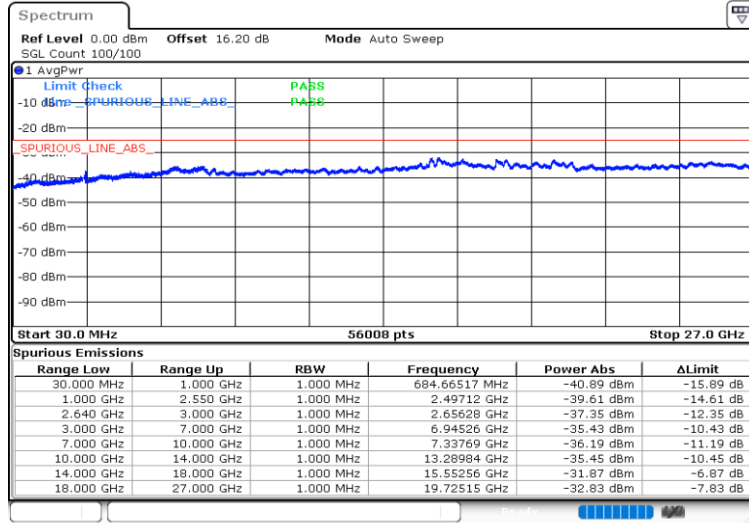
Middle Channel / QPSK



Date: 18.JUL.2023 15:52:38

Date: 18.JUL.2023 15:53:47

Highest Channel / QPSK



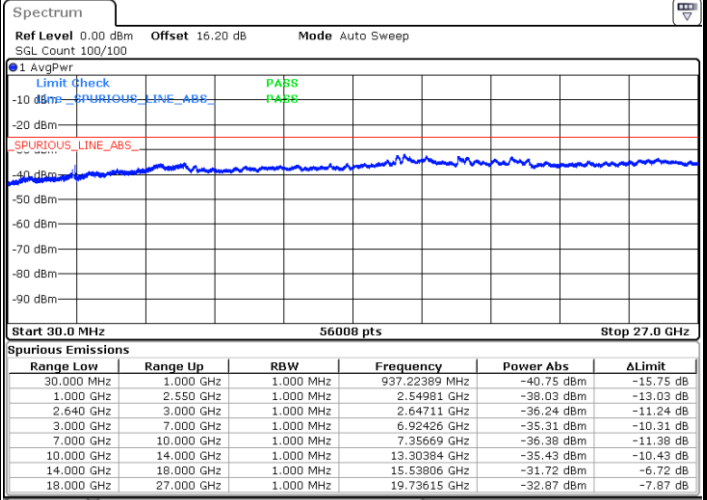
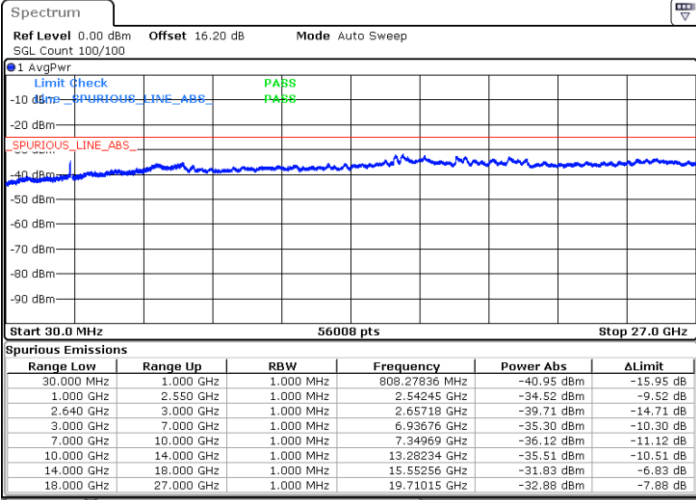
Date: 18.JUL.2023 15:54:58



LTE Band 38 / 20MHz

Lowest Channel / QPSK

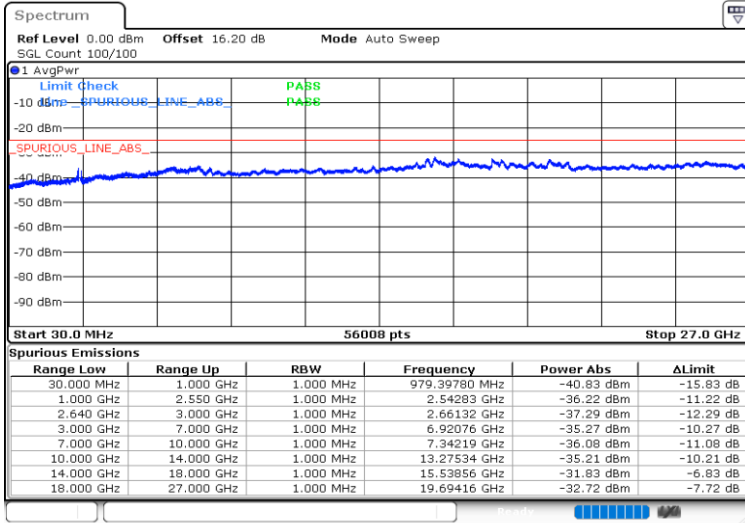
Middle Channel / QPSK



Date: 18.JUL.2023 15:56:12

Date: 18.JUL.2023 15:57:23

Highest Channel / QPSK



Date: 18.JUL.2023 15:58:33



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	0.0020	PASS
40	Normal Voltage	0.0056	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0040	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0060	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

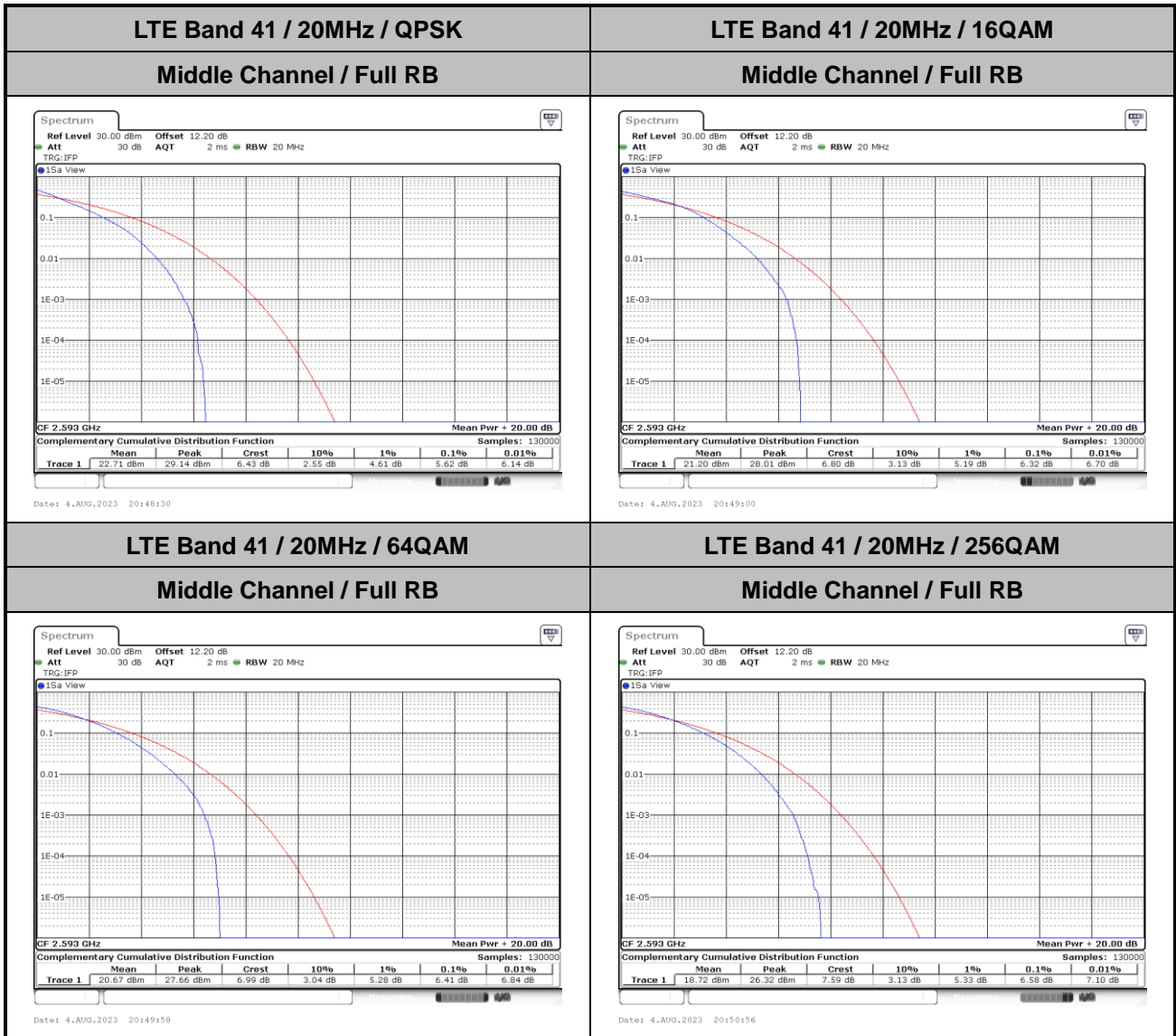
- 1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



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	5.62	6.32	6.41	6.58	PASS





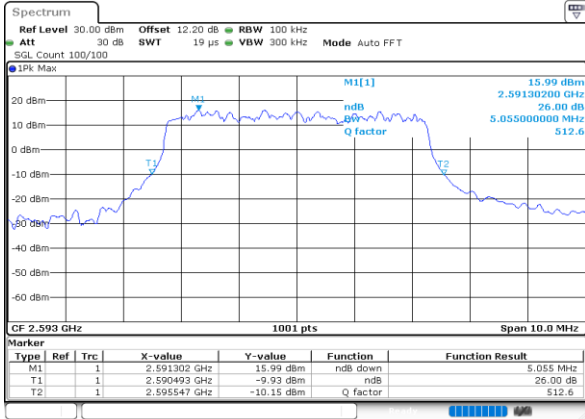
26dB Bandwidth

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	-	-	-	-	5.06	5.13	10.47	9.95	14.39	14.21	18.66	18.70
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	-	-	-	-	5.02	4.98	9.95	9.87	14.99	15.08	19.42	18.58



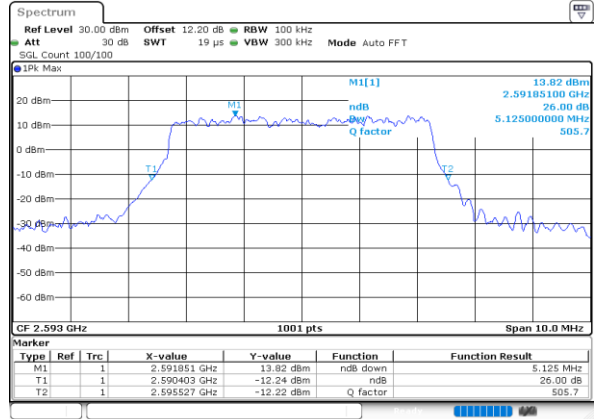
LTE Band 41

Middle Channel / 5MHz / QPSK



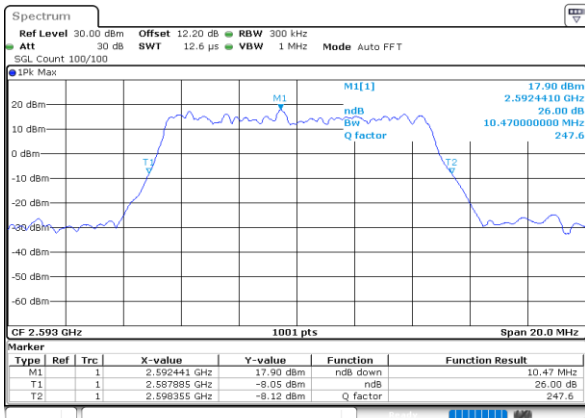
Date: 4.AUG.2023 20:39:24

Middle Channel / 5MHz / 16QAM



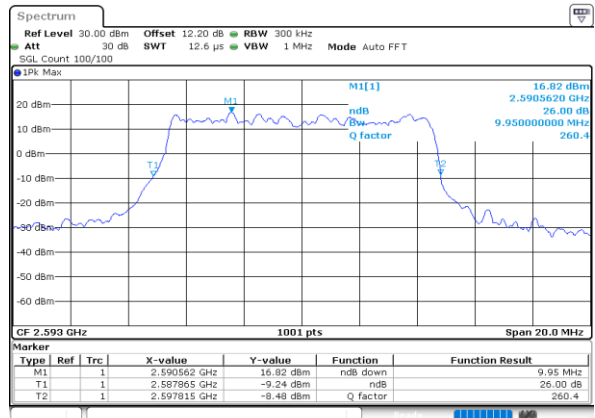
Date: 4.AUG.2023 20:40:07

Middle Channel / 10MHz / QPSK



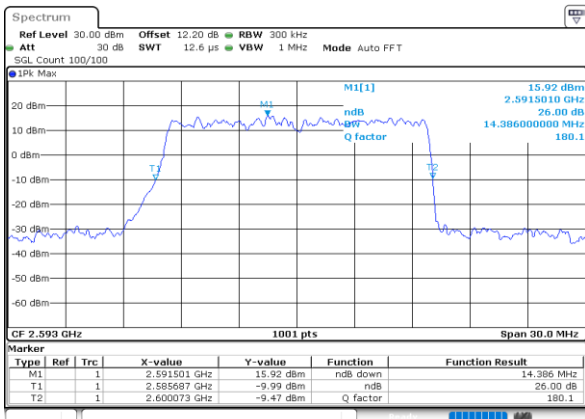
Date: 4.AUG.2023 20:42:21

Middle Channel / 10MHz / 16QAM



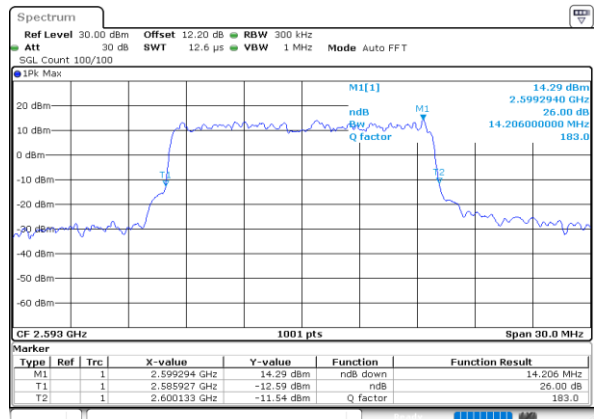
Date: 4.AUG.2023 20:43:04

Middle Channel / 15MHz / QPSK



Date: 4.AUG.2023 20:45:18

Middle Channel / 15MHz / 16QAM

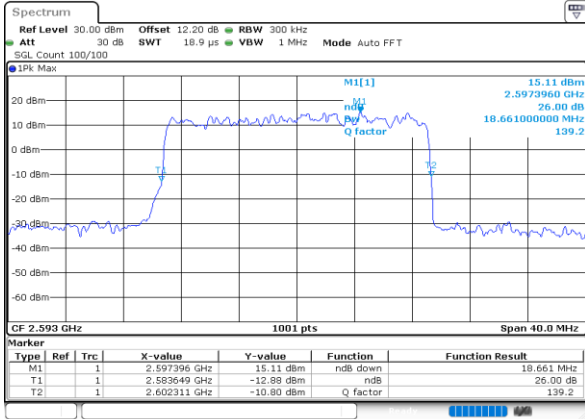


Date: 4.AUG.2023 20:46:01



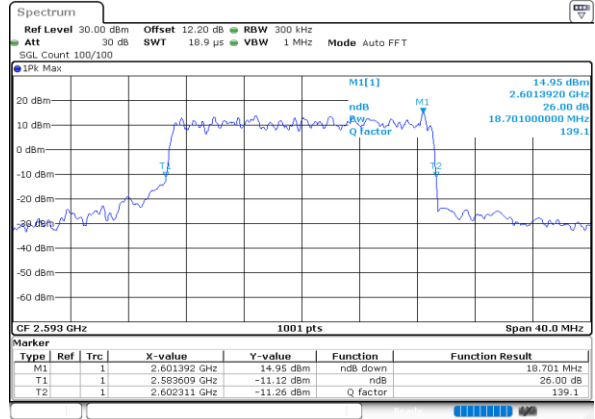
LTE Band 41

Middle Channel / 20MHz / QPSK



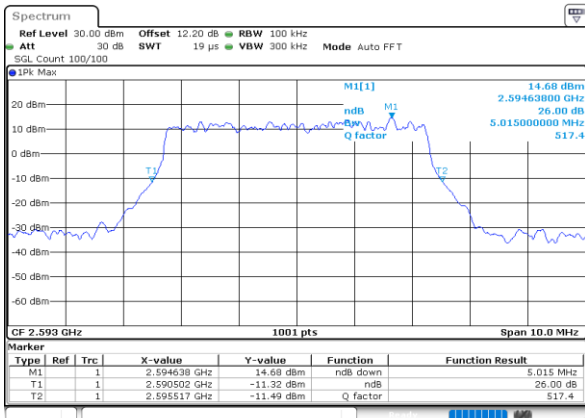
Date: 4.AUG.2023 20:48:15

Middle Channel / 20MHz / 16QAM



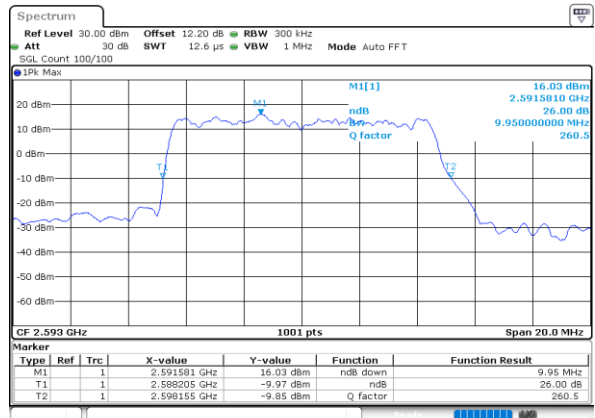
Date: 4.AUG.2023 20:49:29

Middle Channel / 5MHz / 64QAM



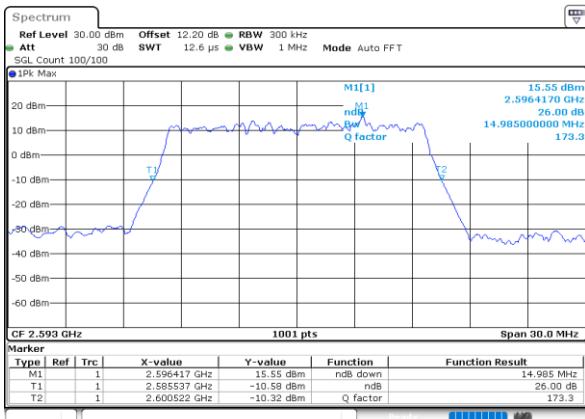
Date: 4.AUG.2023 20:40:50

Middle Channel / 10MHz / 64QAM



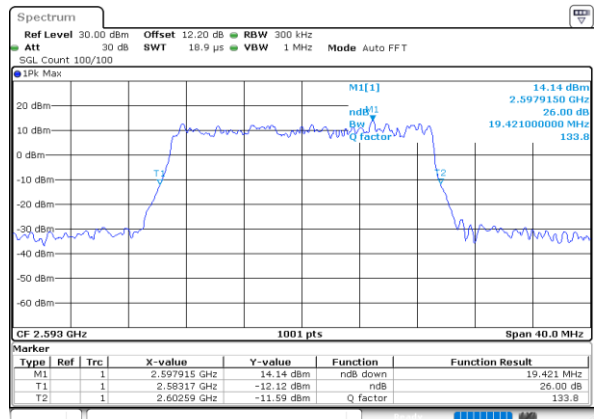
Date: 4.AUG.2023 20:43:47

Middle Channel / 15MHz / 64QAM



Date: 4.AUG.2023 20:46:44

Middle Channel / 20MHz / 64QAM

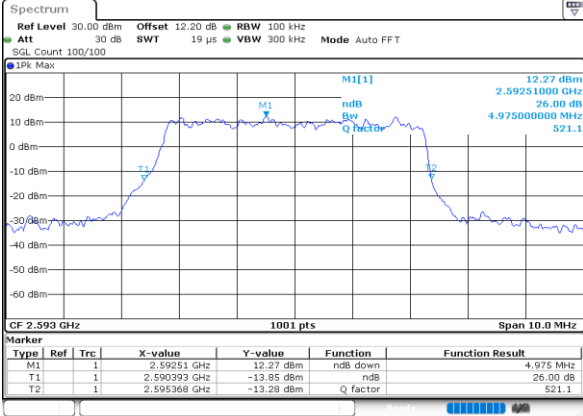


Date: 4.AUG.2023 20:50:27



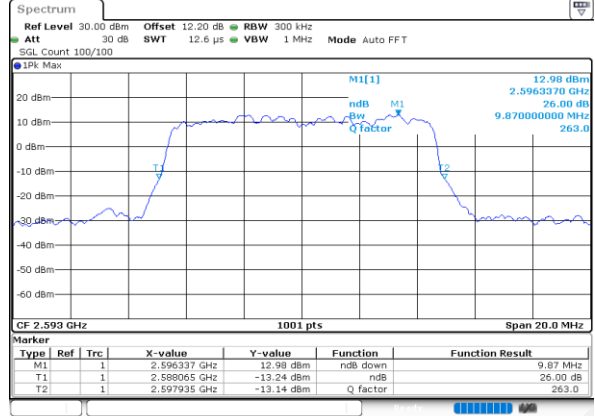
LTE Band 41

Middle Channel / 5MHz / 256QAM



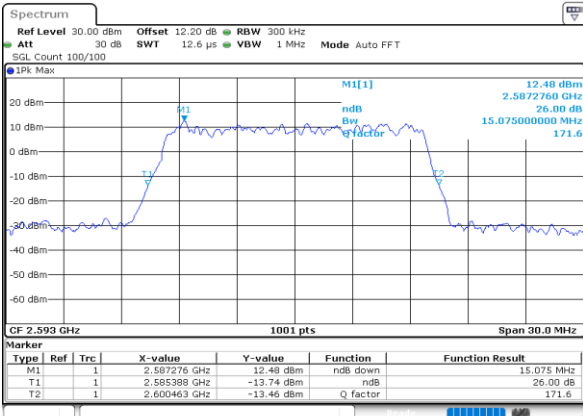
Date: 4.AUG.2023 20:41:33

Middle Channel / 10MHz / 256QAM



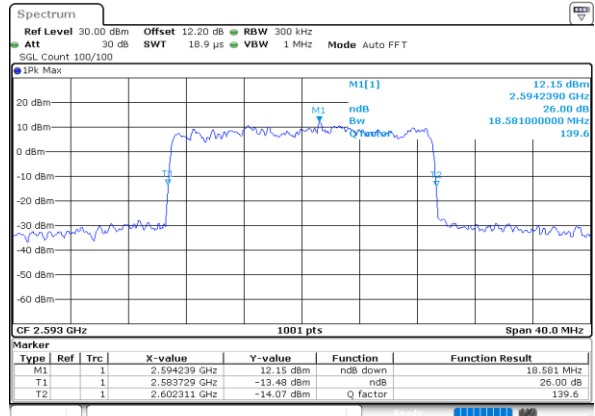
Date: 4.AUG.2023 20:44:30

Middle Channel / 15MHz / 256QAM



Date: 4.AUG.2023 20:47:27

Middle Channel / 20MHz / 256QAM



Date: 4.AUG.2023 20:51:25



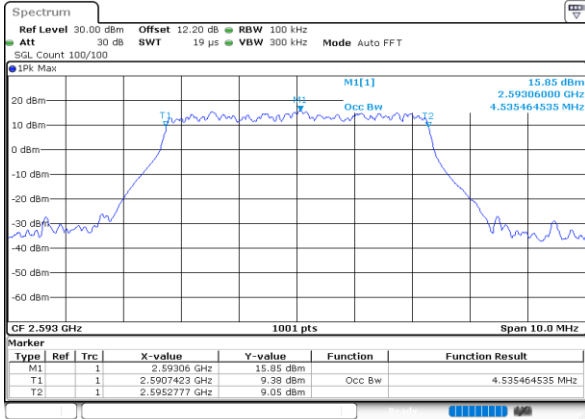
Occupied Bandwidth

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	-	-	-	-	4.54	4.53	9.11	9.09	13.55	13.40	17.82	17.82
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.50	4.48	9.03	8.95	13.49	13.46	17.90	17.94



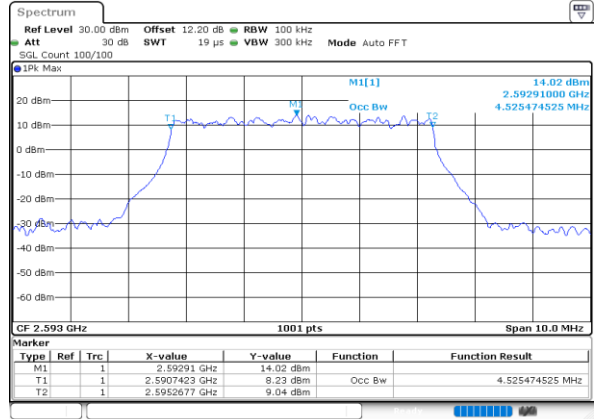
LTE Band 41

Middle Channel / 5MHz / QPSK



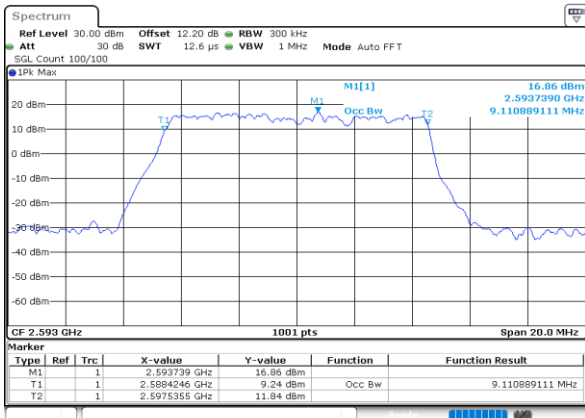
Date: 4.AUG.2023 20:54:10

Middle Channel / 5MHz / 16QAM



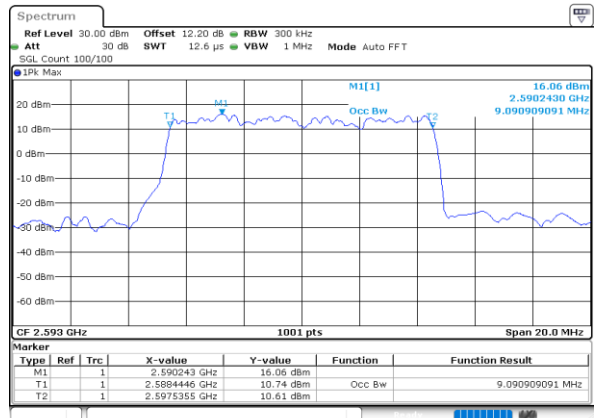
Date: 4.AUG.2023 20:39:53

Middle Channel / 10MHz / QPSK



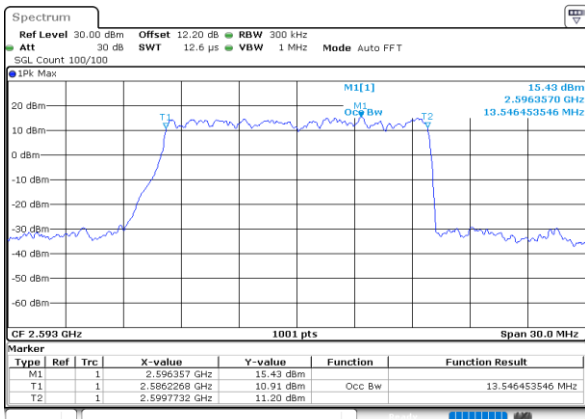
Date: 4.AUG.2023 20:42:07

Middle Channel / 10MHz / 16QAM



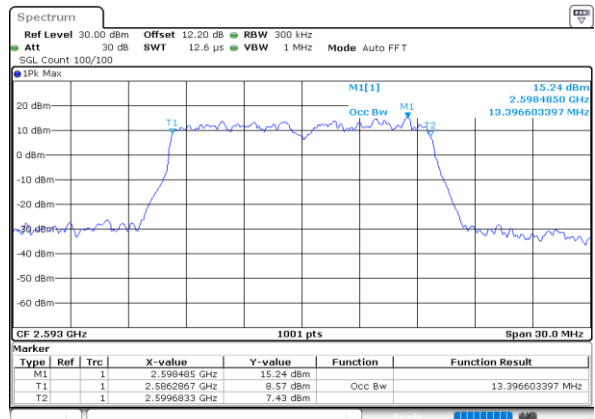
Date: 4.AUG.2023 20:42:50

Middle Channel / 15MHz / QPSK



Date: 4.AUG.2023 20:45:04

Middle Channel / 15MHz / 16QAM

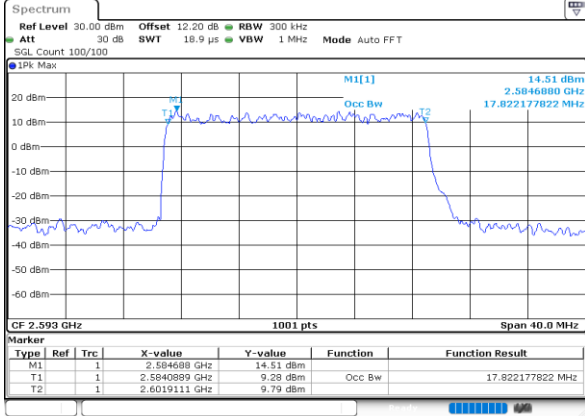


Date: 4.AUG.2023 20:45:47



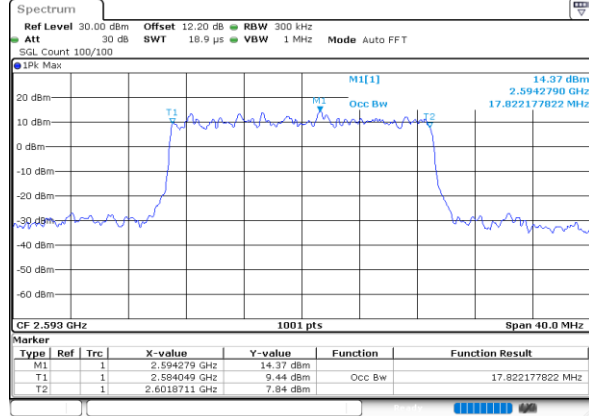
LTE Band 41

Middle Channel / 20MHz / QPSK



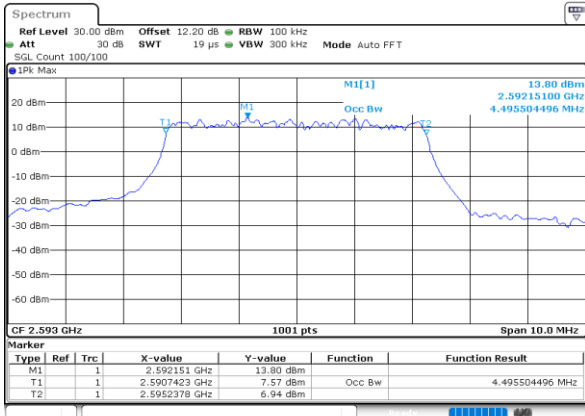
Date: 4.AUG.2023 20:48:01

Middle Channel / 20MHz / 16QAM



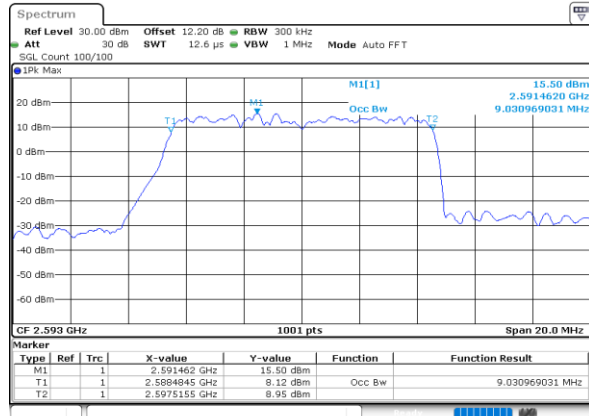
Date: 4.AUG.2023 20:49:15

Middle Channel / 5MHz / 64QAM



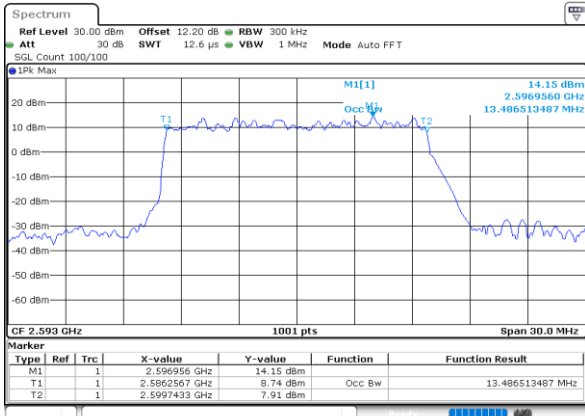
Date: 4.AUG.2023 20:40:36

Middle Channel / 10MHz / 64QAM



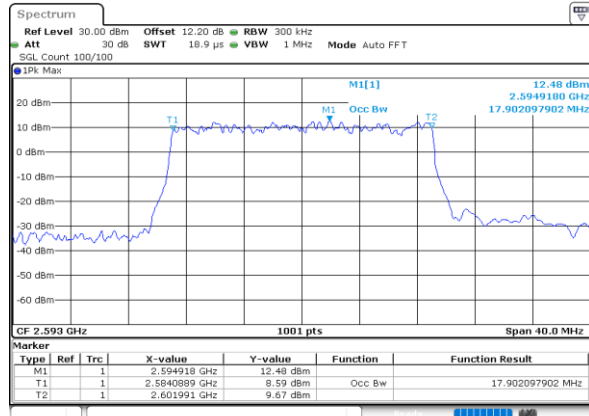
Date: 4.AUG.2023 20:43:33

Middle Channel / 15MHz / 64QAM



Date: 4.AUG.2023 20:46:30

Middle Channel / 20MHz / 64QAM

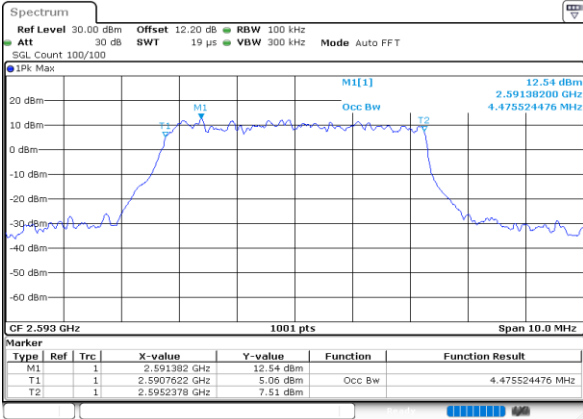


Date: 4.AUG.2023 20:50:13



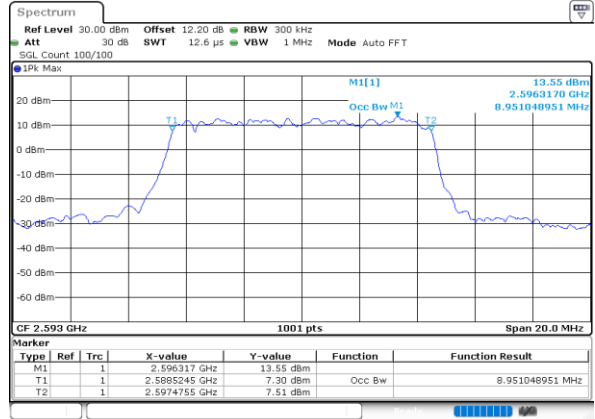
LTE Band 41

Middle Channel / 5MHz / 256QAM



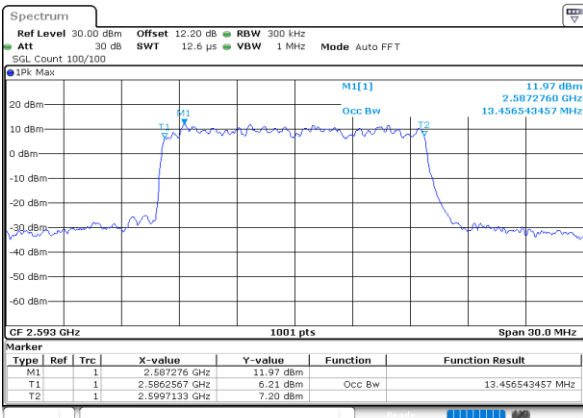
Date: 4.AUG.2023 20:41:19

Middle Channel / 10MHz / 256QAM



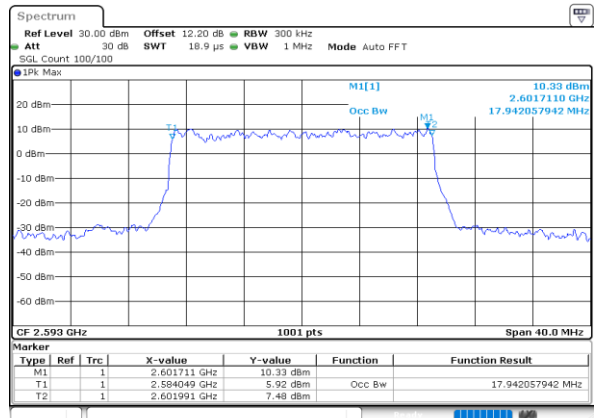
Date: 4.AUG.2023 20:44:16

Middle Channel / 15MHz / 256QAM



Date: 4.AUG.2023 20:47:13

Middle Channel / 20MHz / 256QAM



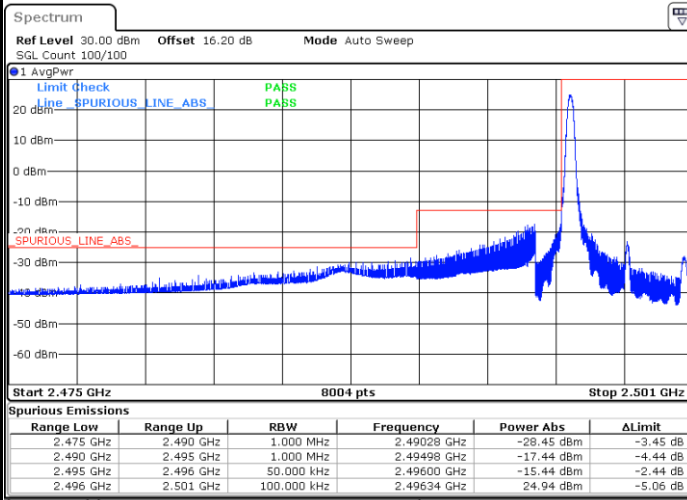
Date: 4.AUG.2023 20:51:11



Conducted Band Edge

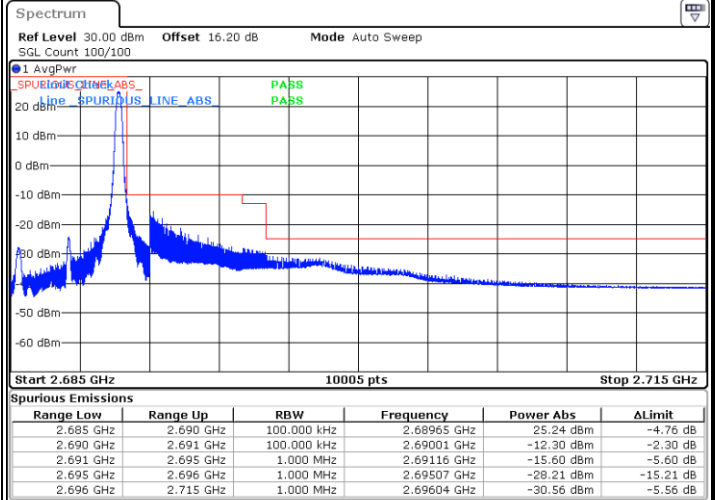
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



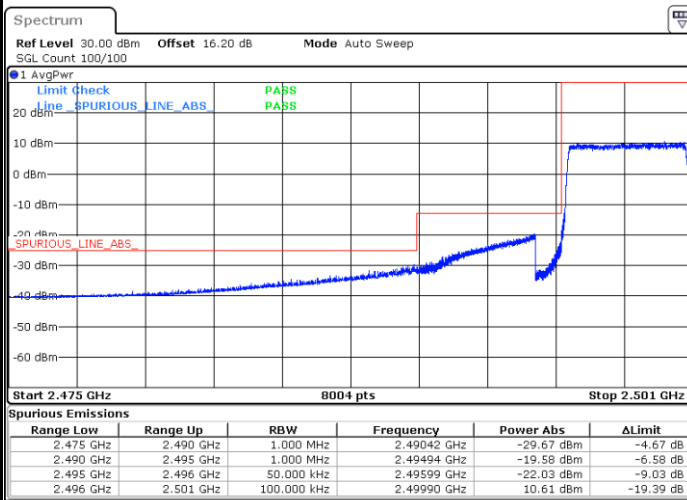
Date: 18.JUL.2023 16:11:53

Highest Band Edge / 1 RB



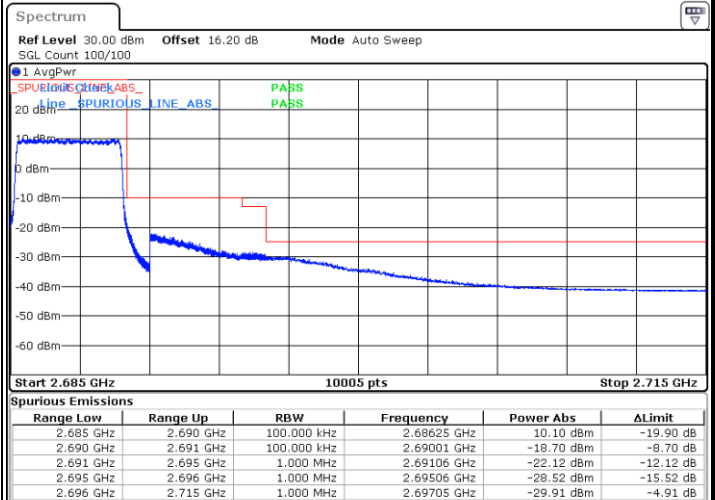
Date: 18.JUL.2023 16:27:04

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:17:08

Highest Band Edge / Full RB

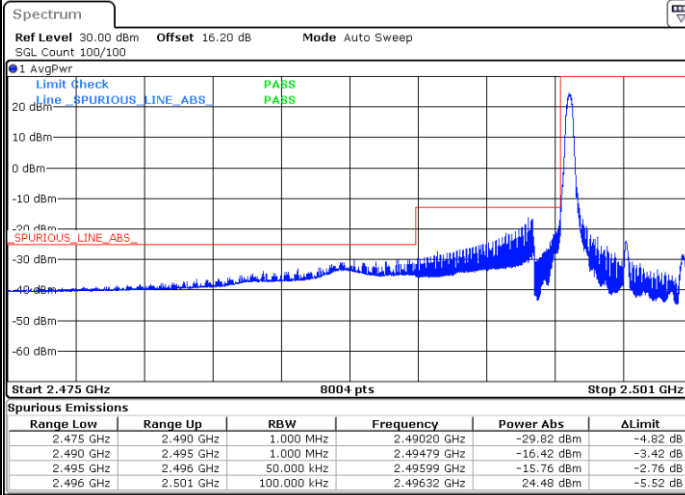


Date: 18.JUL.2023 16:22:30



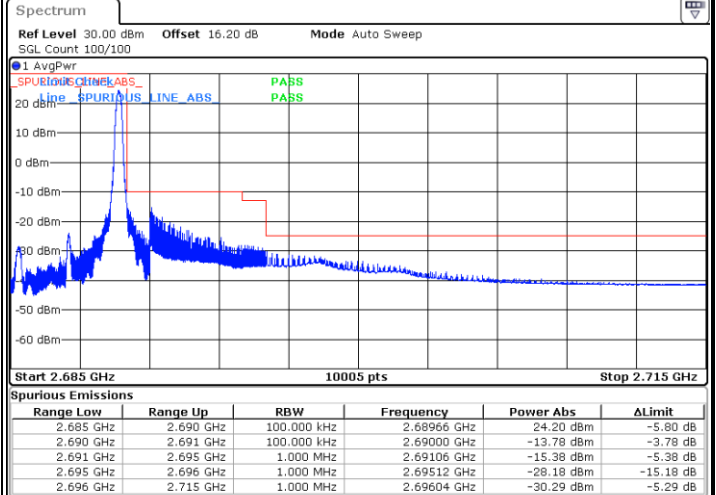
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



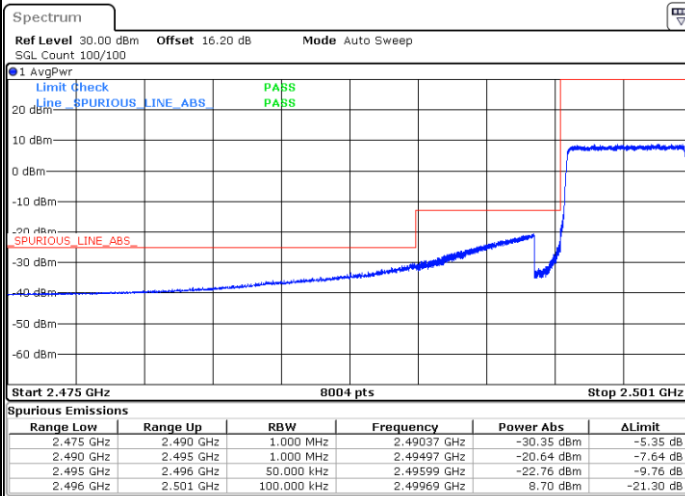
Date: 18.JUL.2023 16:12:54

Highest Band Edge / 1 RB



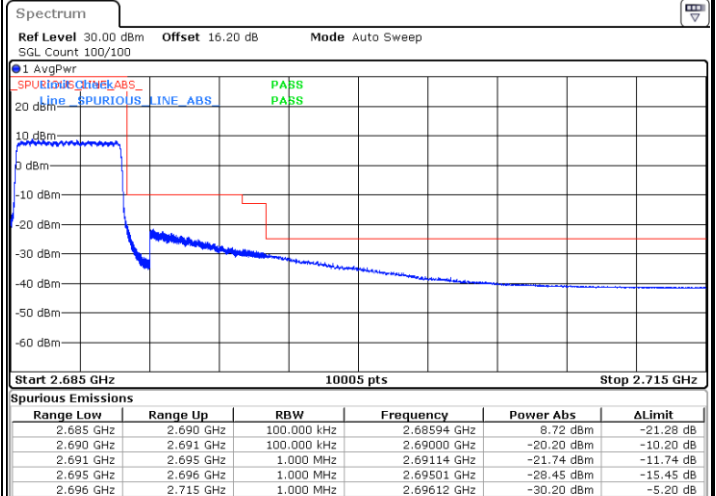
Date: 18.JUL.2023 16:28:12

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:18:09

Highest Band Edge / Full RB

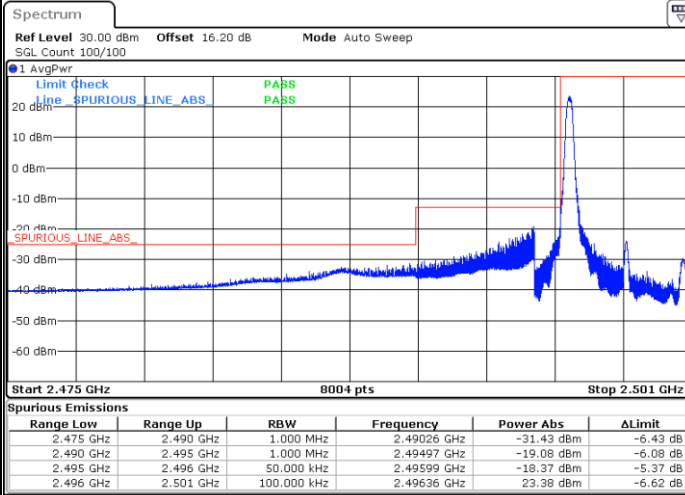


Date: 18.JUL.2023 16:23:38



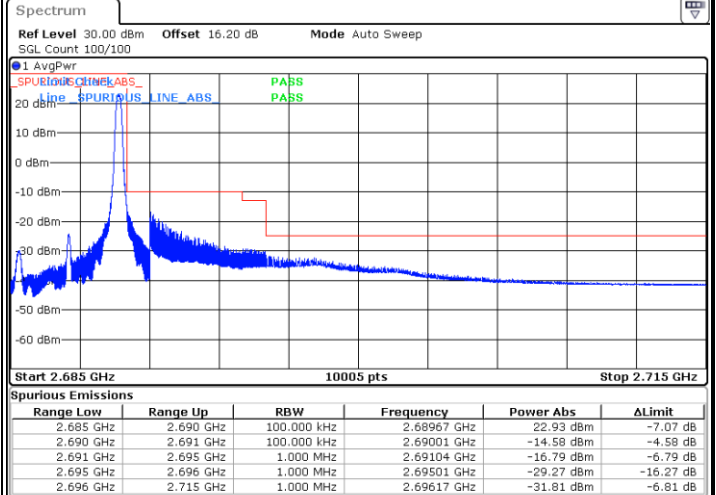
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



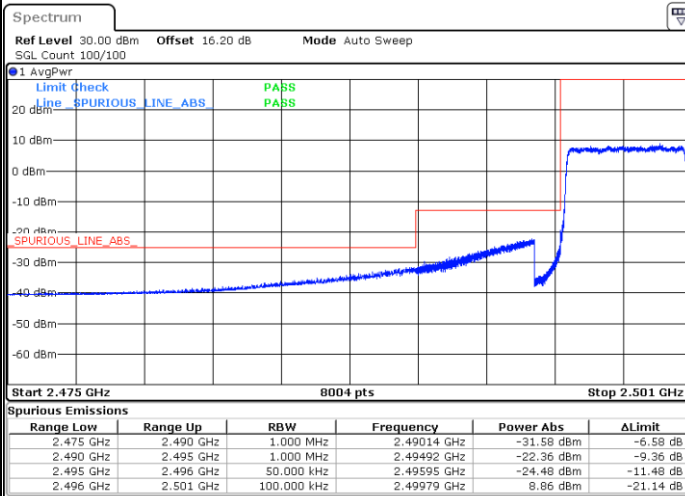
Date: 18.JUL.2023 16:13:56

Highest Band Edge / 1 RB



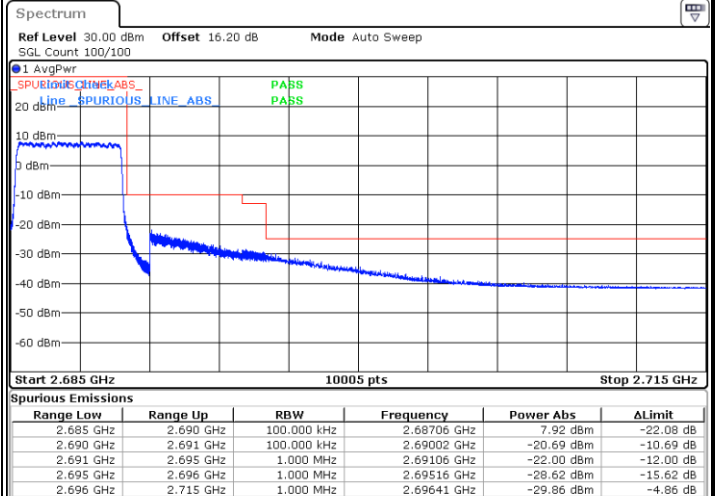
Date: 18.JUL.2023 16:29:21

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:19:10

Highest Band Edge / Full RB

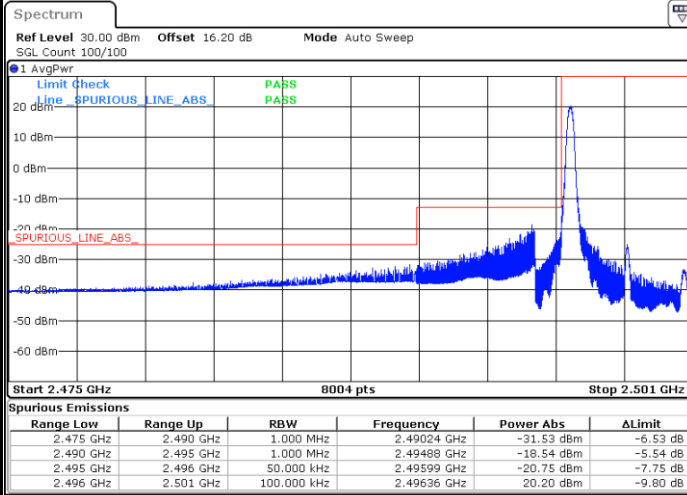


Date: 18.JUL.2023 16:24:47



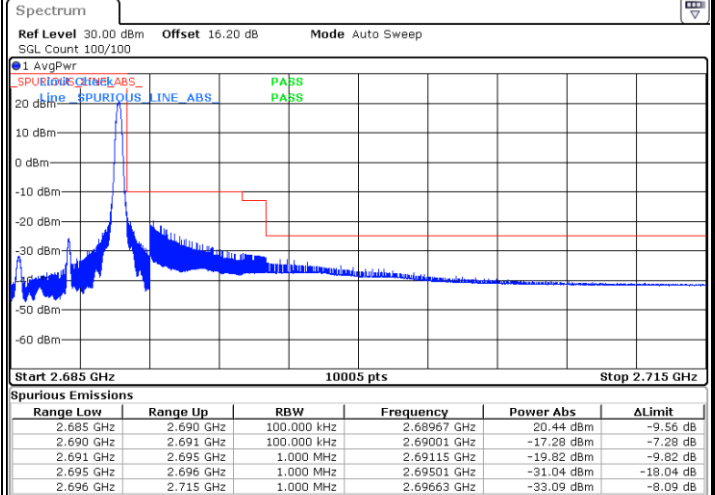
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



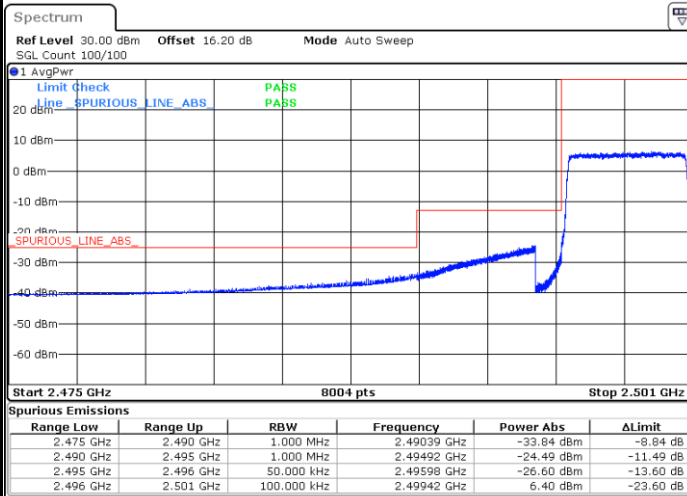
Date: 18.JUL.2023 16:14:57

Highest Band Edge / 1 RB



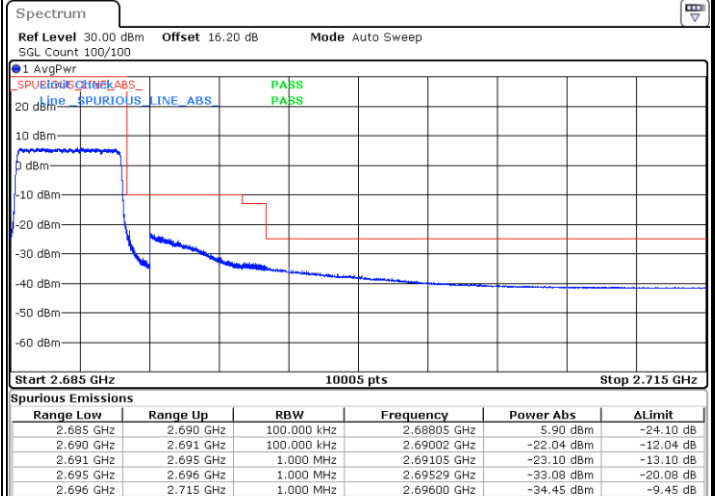
Date: 18.JUL.2023 16:30:29

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:20:12

Highest Band Edge / Full RB



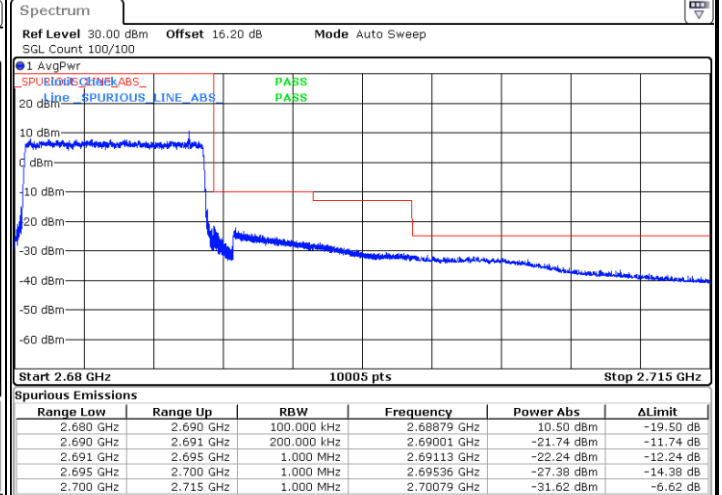
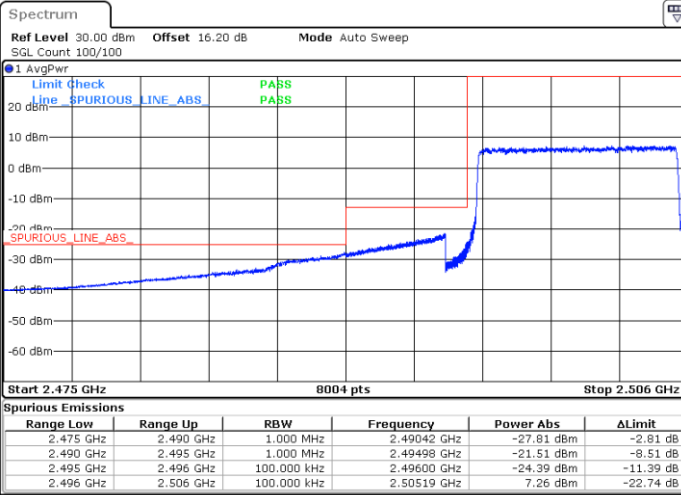
Date: 18.JUL.2023 16:25:55



LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



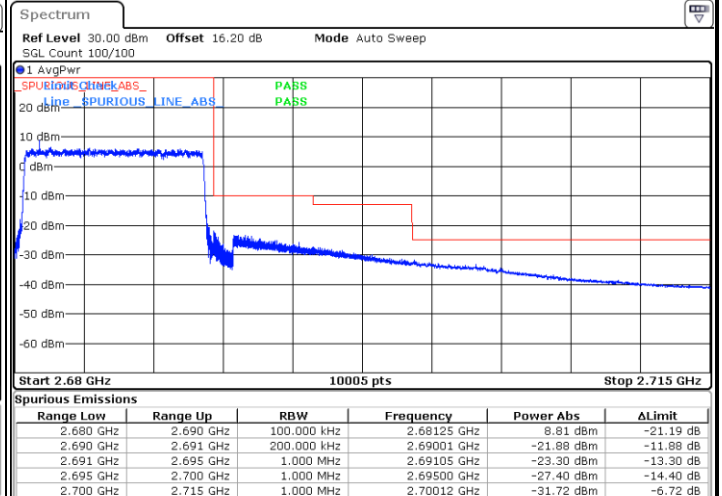
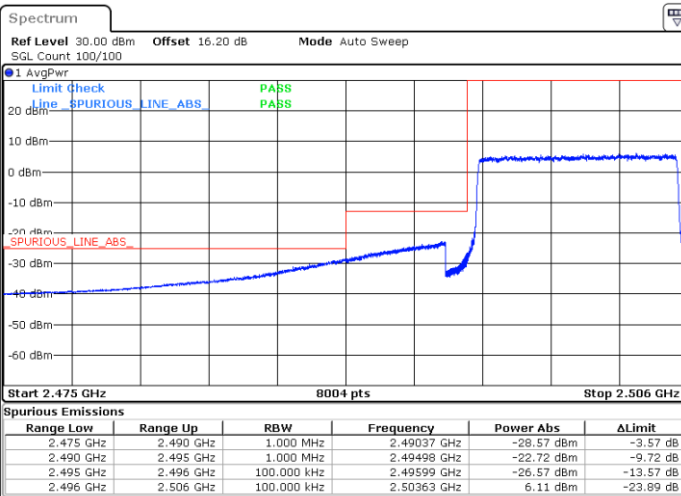
Date: 18.JUL.2023 16:32:49

Date: 18.JUL.2023 16:36:55

LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



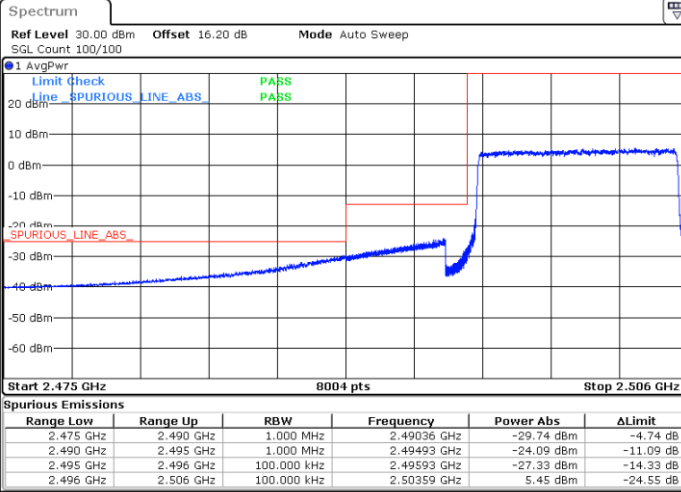
Date: 18.JUL.2023 16:33:49

Date: 18.JUL.2023 16:37:55



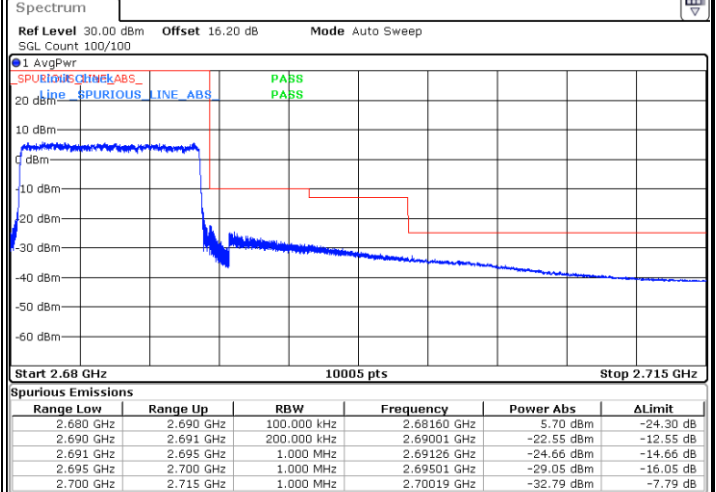
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:34:50

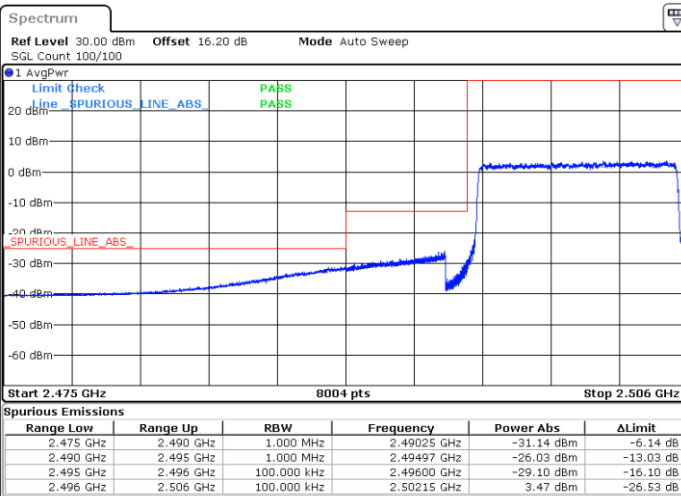
Highest Band Edge / Full RB



Date: 18.JUL.2023 16:38:56

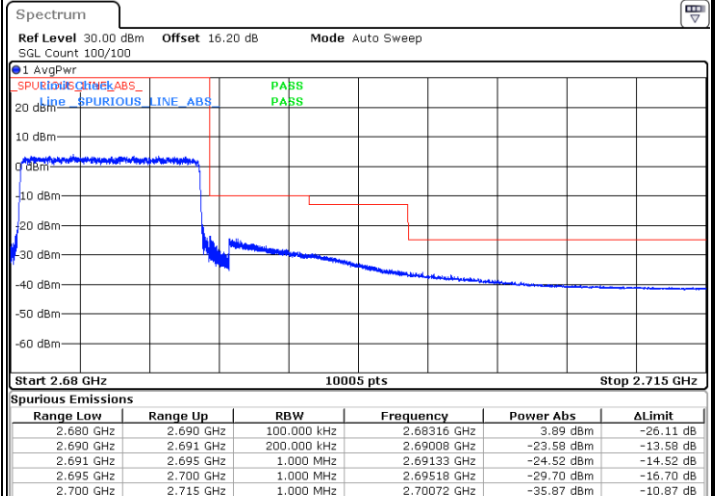
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 18.JUL.2023 16:35:51

Highest Band Edge / Full RB



Date: 18.JUL.2023 16:39:56