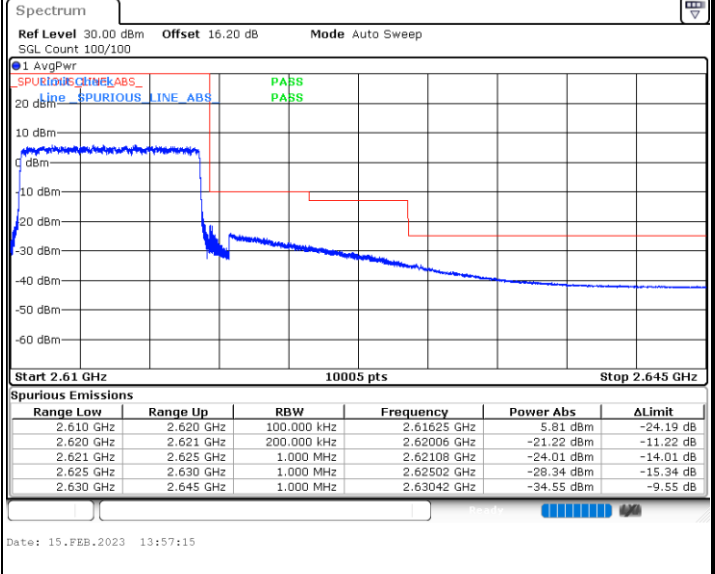
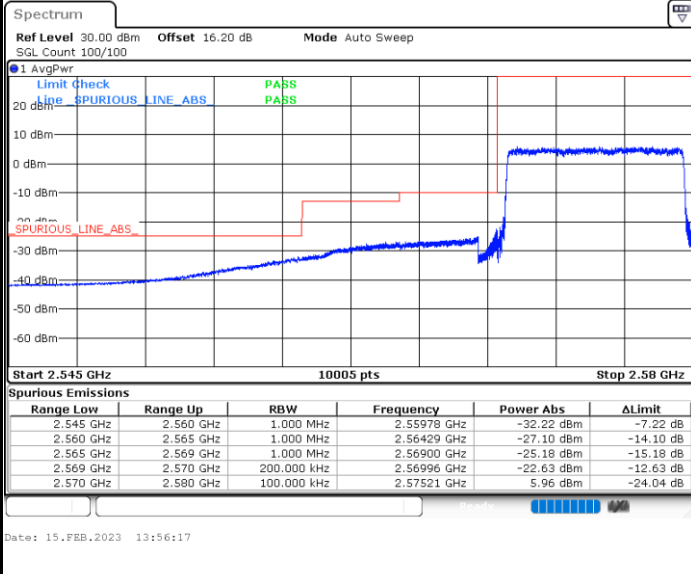




LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / Full RB

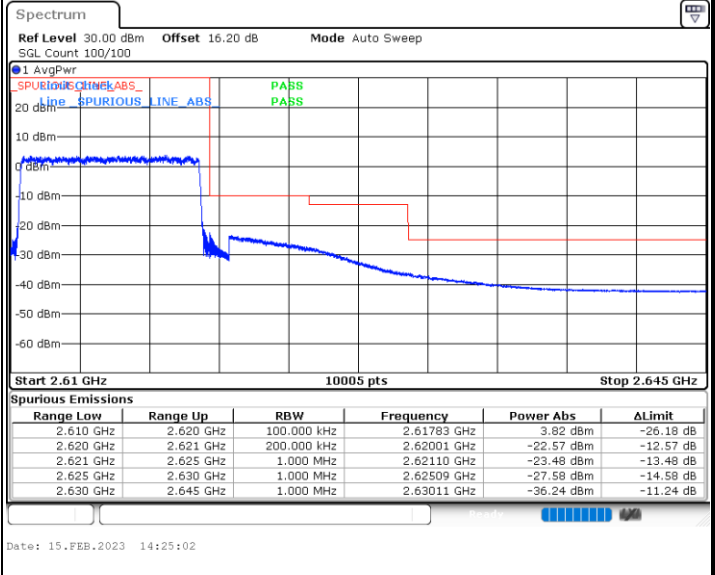
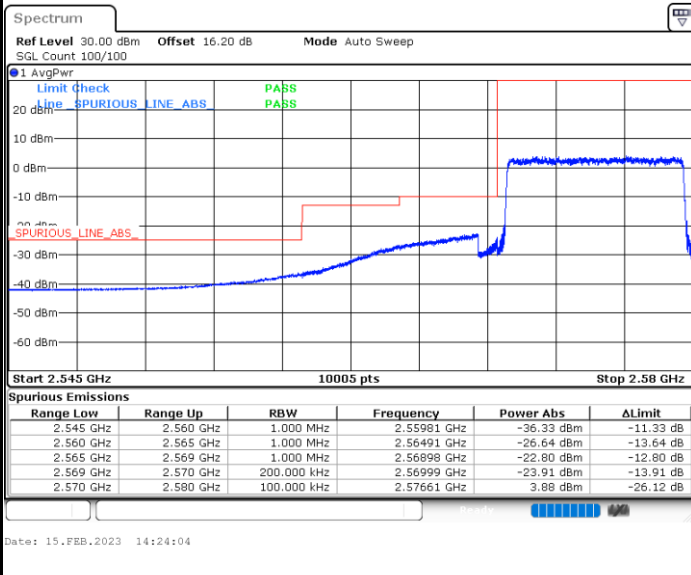
Highest Band Edge / Full RB



LTE Band 38 / 10MHz / 256QAM

Lowest Band Edge / Full RB

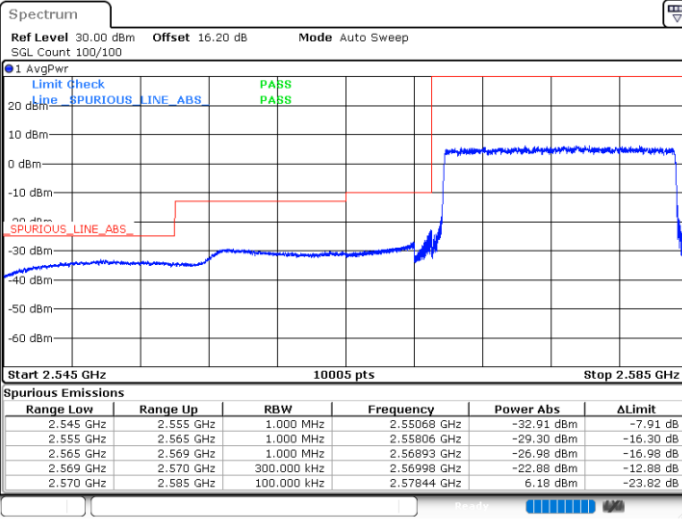
Highest Band Edge / Full RB





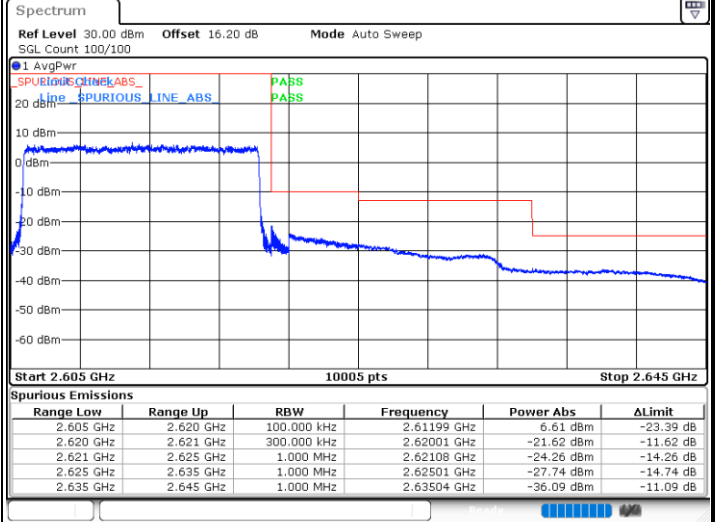
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 15.FEB.2023 14:02:15

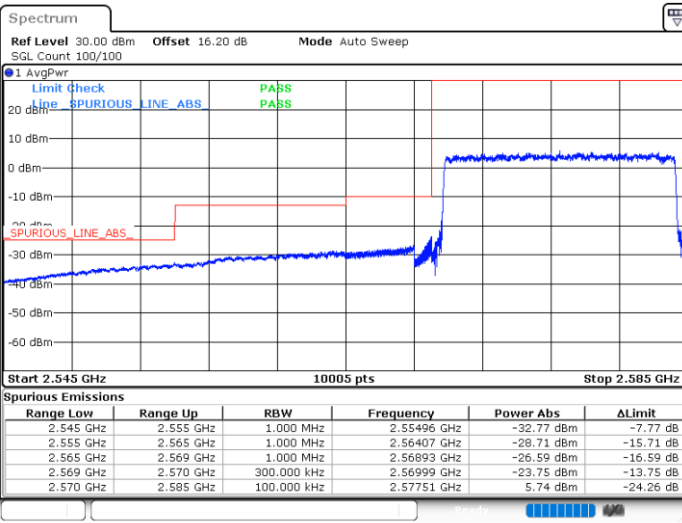
Highest Band Edge / Full RB



Date: 15.FEB.2023 14:04:13

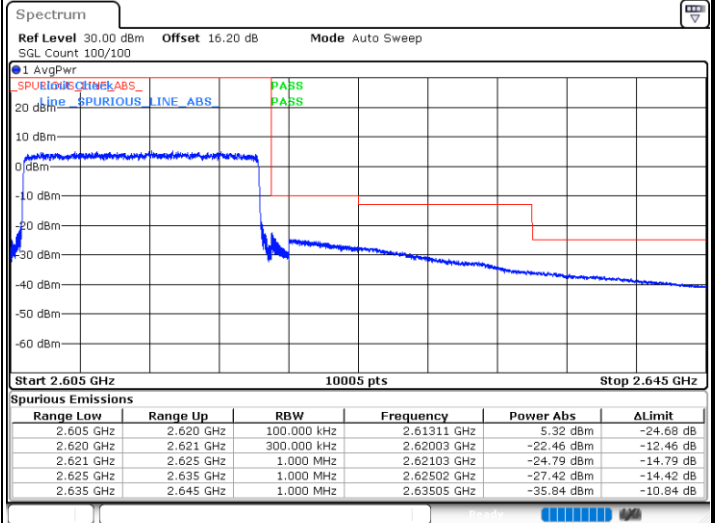
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 15.FEB.2023 14:03:15

Highest Band Edge / Full RB

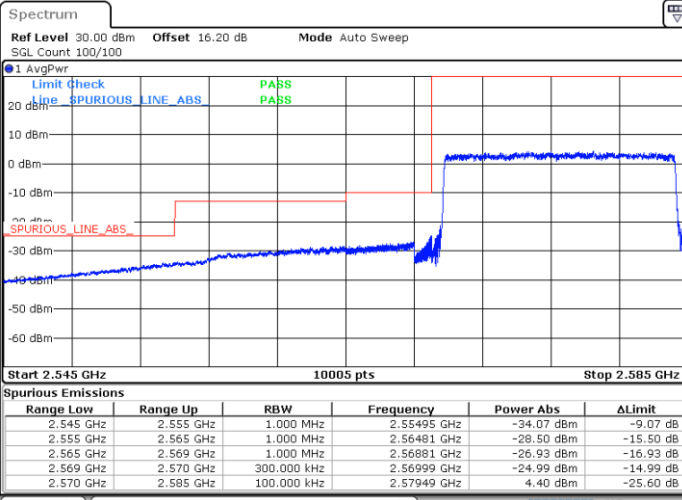


Date: 15.FEB.2023 14:05:12



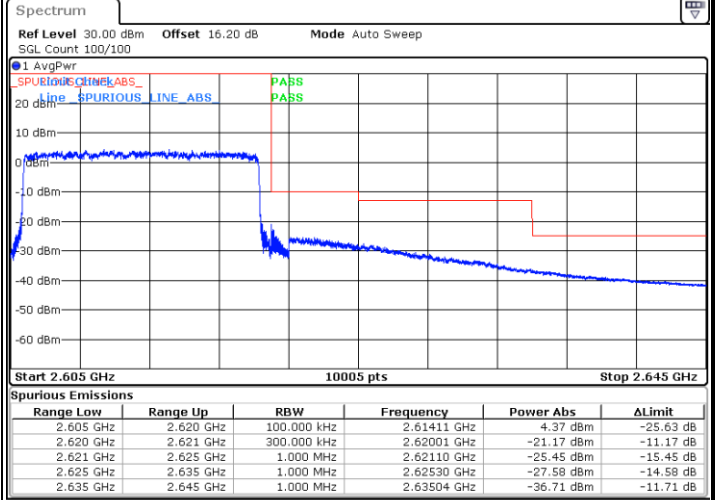
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 15.FEB.2023 14:06:10

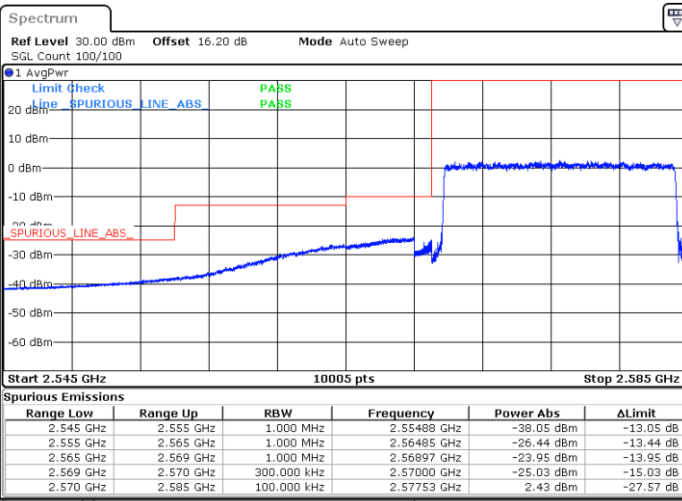
Highest Band Edge / Full RB



Date: 15.FEB.2023 14:07:09

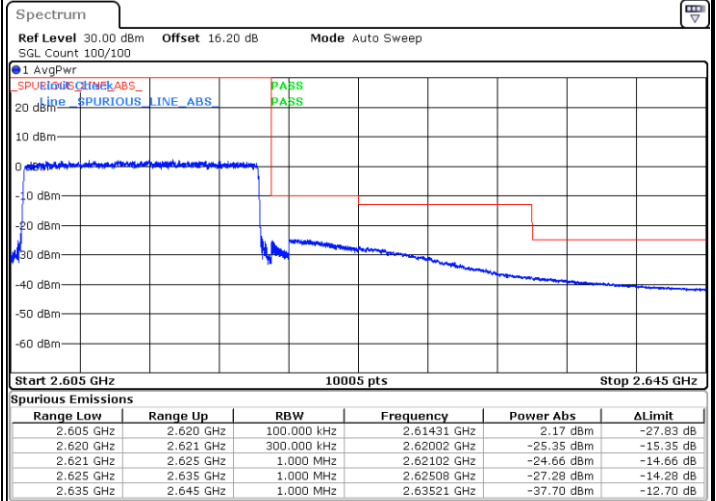
LTE Band 38 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 15.FEB.2023 14:26:06

Highest Band Edge / Full RB



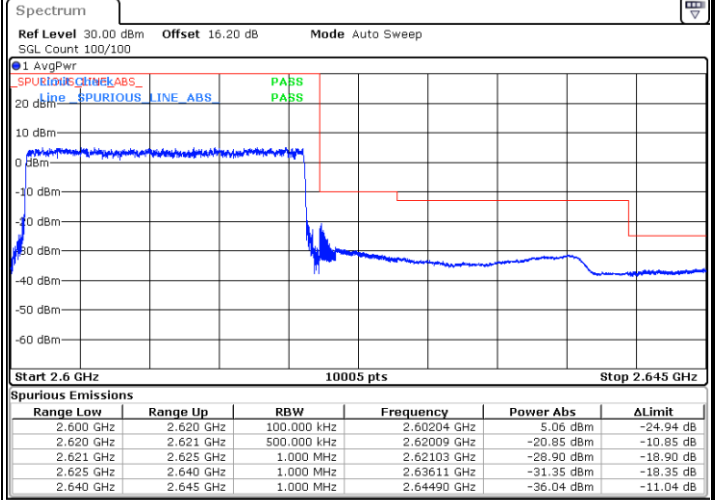
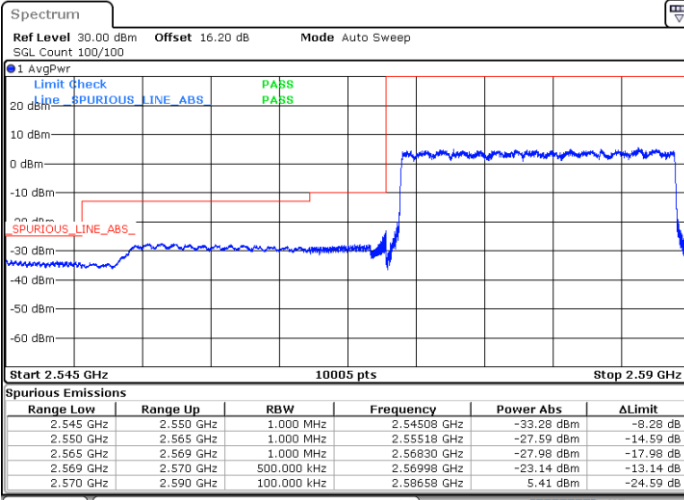
Date: 15.FEB.2023 14:27:05



LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



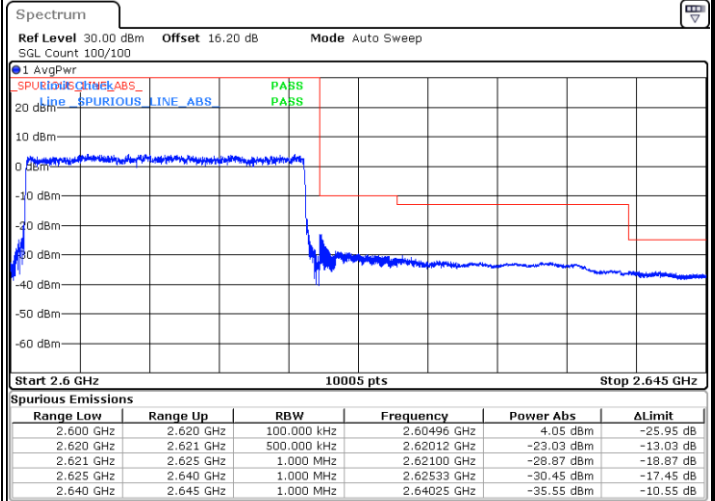
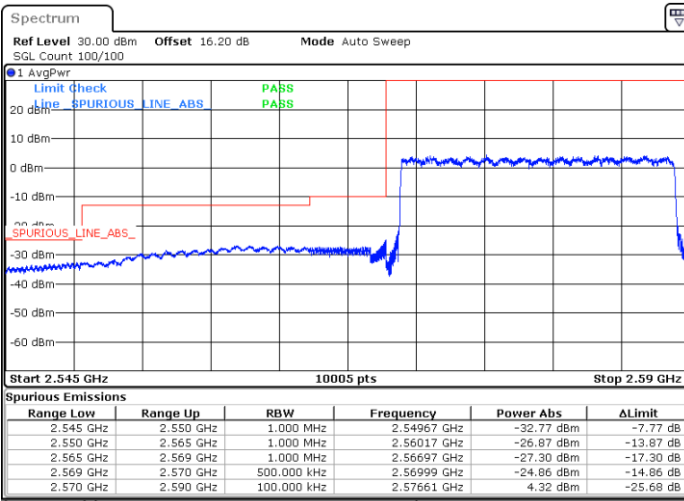
Date: 15.FEB.2023 14:10:07

Date: 15.FEB.2023 14:12:06

LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



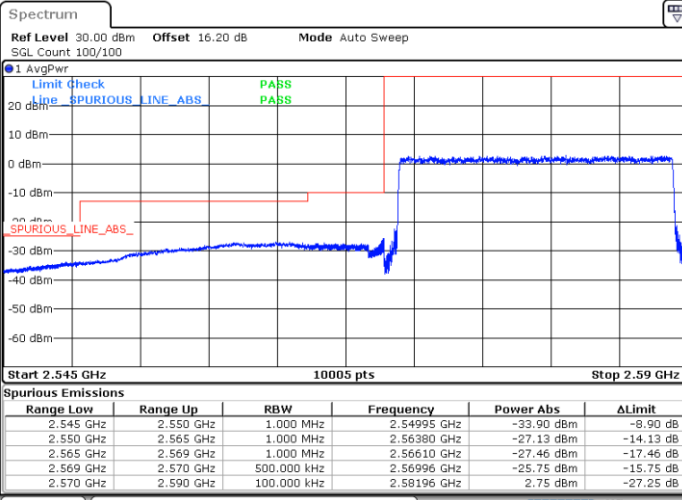
Date: 15.FEB.2023 14:11:08

Date: 15.FEB.2023 14:13:05



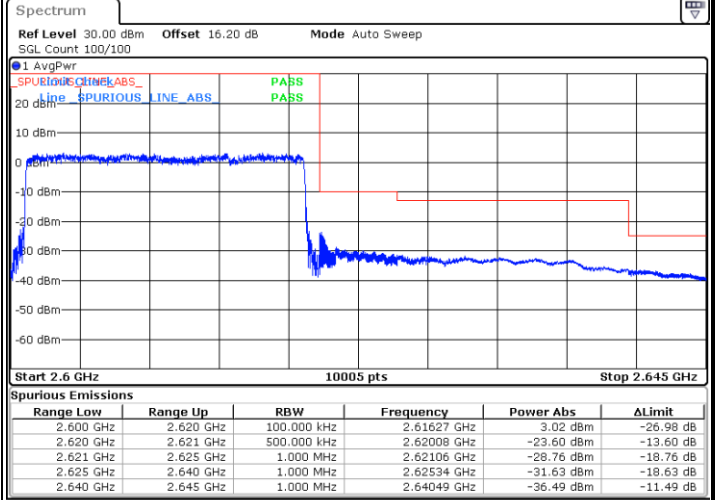
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 15.FEB.2023 14:14:04

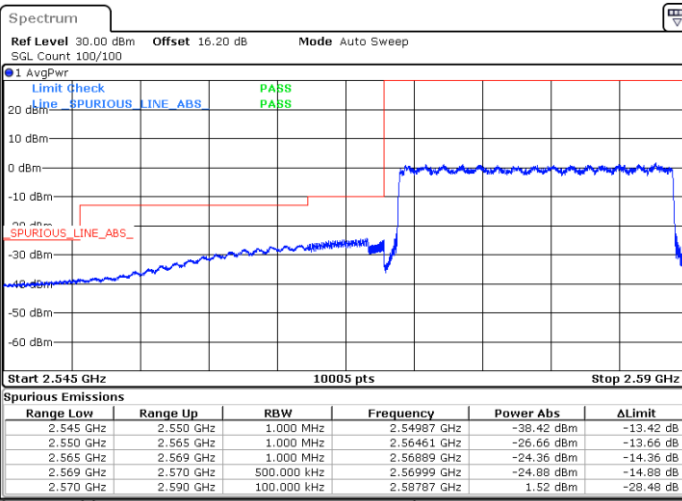
Highest Band Edge / Full RB



Date: 15.FEB.2023 14:15:02

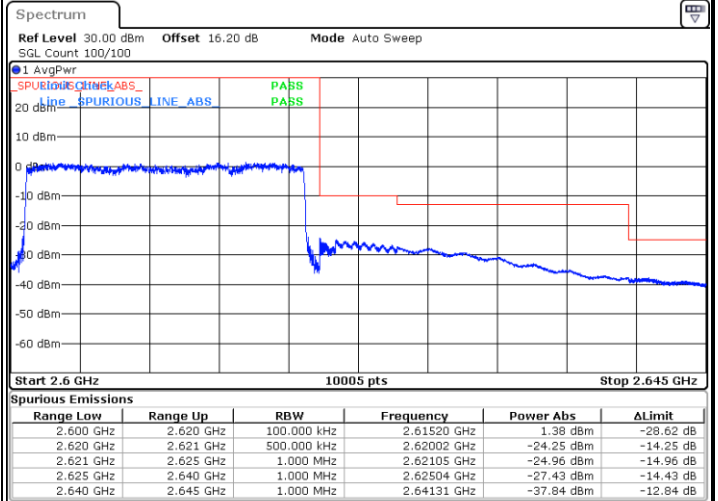
LTE Band 38 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 15.FEB.2023 14:28:08

Highest Band Edge / Full RB



Date: 15.FEB.2023 14:29:06

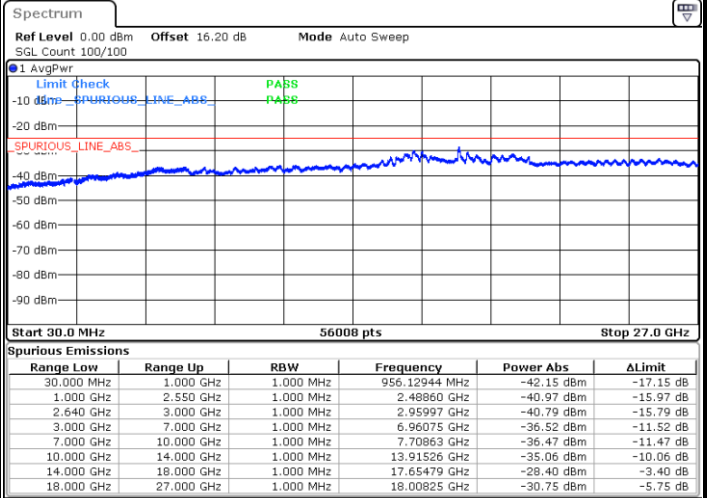
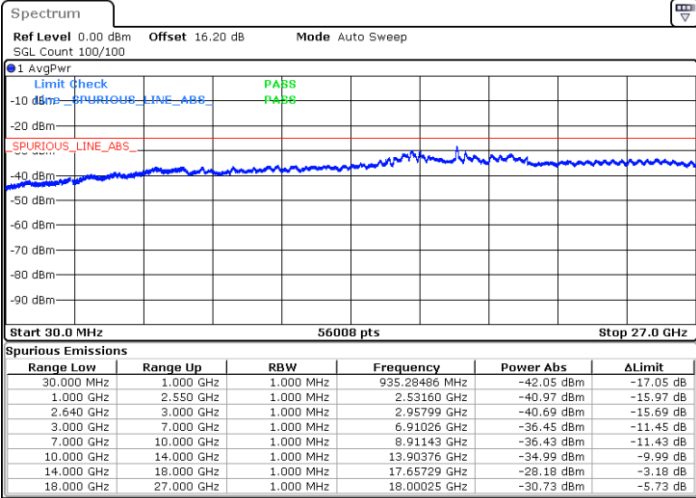


Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

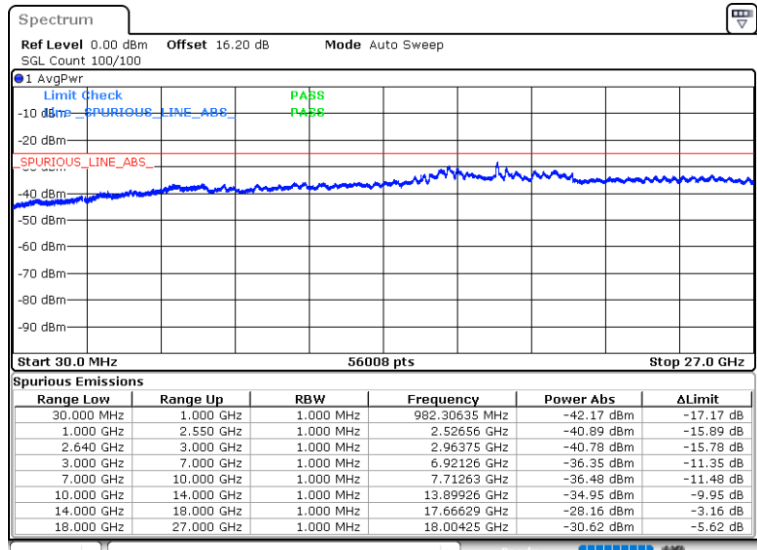
Middle Channel / QPSK



Date: 15.FEB.2023 14:16:25

Date: 15.FEB.2023 14:17:44

Highest Channel / QPSK



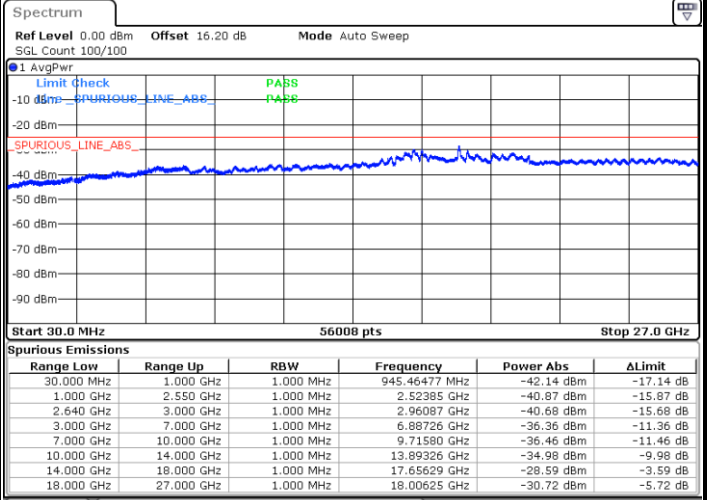
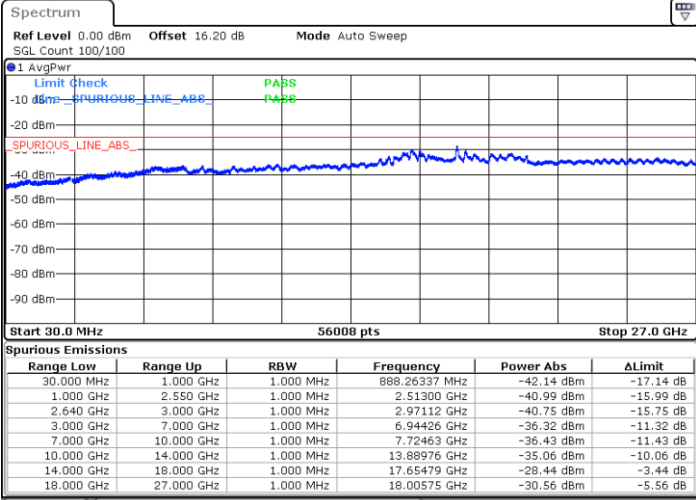
Date: 15.FEB.2023 14:19:04



LTE Band 38 / 10MHz

Lowest Channel / QPSK

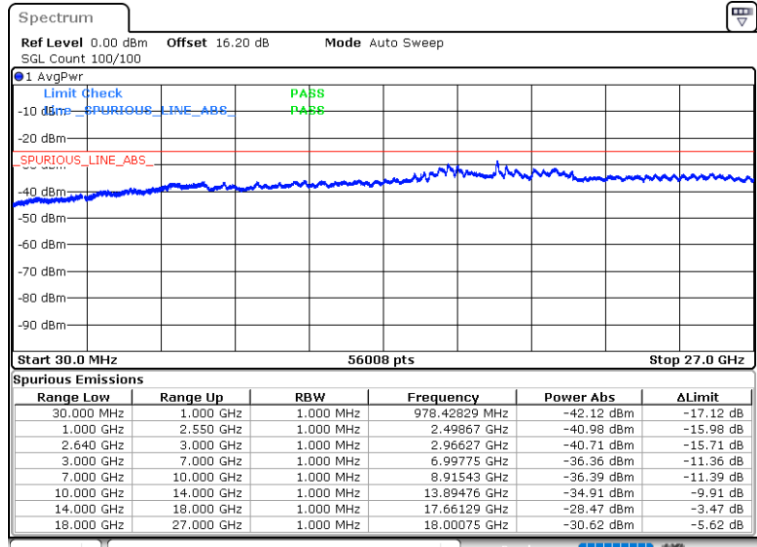
Middle Channel / QPSK



Date: 15.FEB.2023 14:57:21

Date: 15.FEB.2023 14:58:40

Highest Channel / QPSK



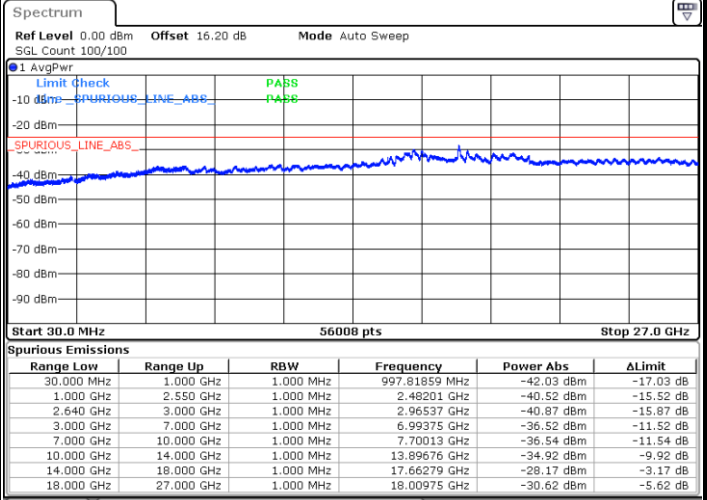
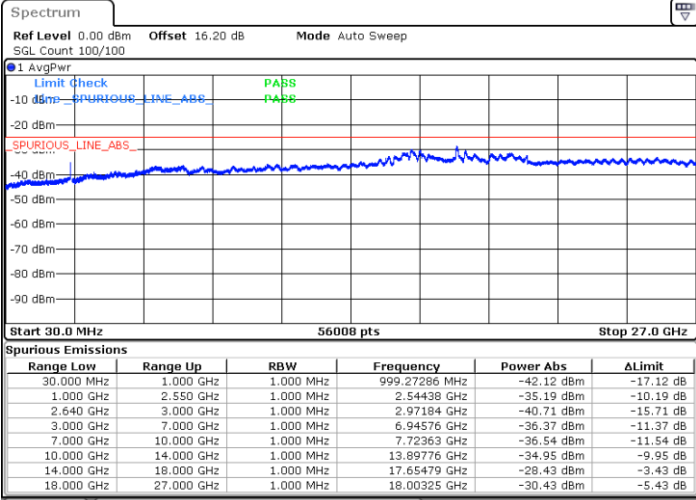
Date: 15.FEB.2023 14:59:59



LTE Band 38 / 15MHz

Lowest Channel / QPSK

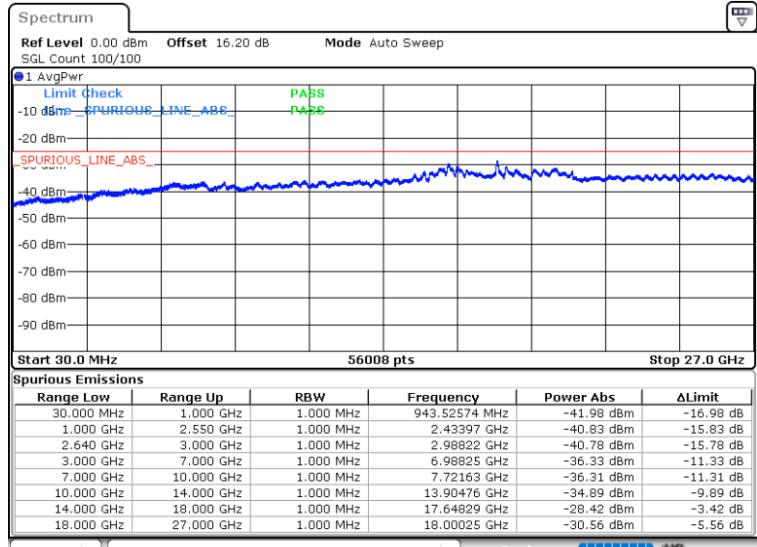
Middle Channel / QPSK



Date: 15.FEB.2023 15:01:24

Date: 15.FEB.2023 15:02:42

Highest Channel / QPSK



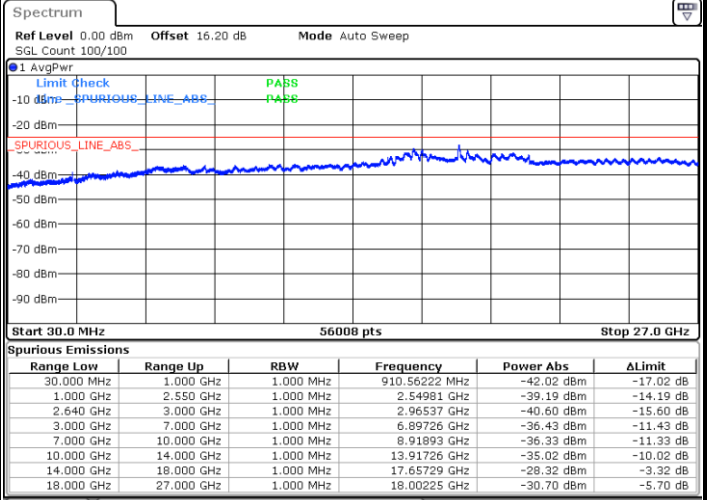
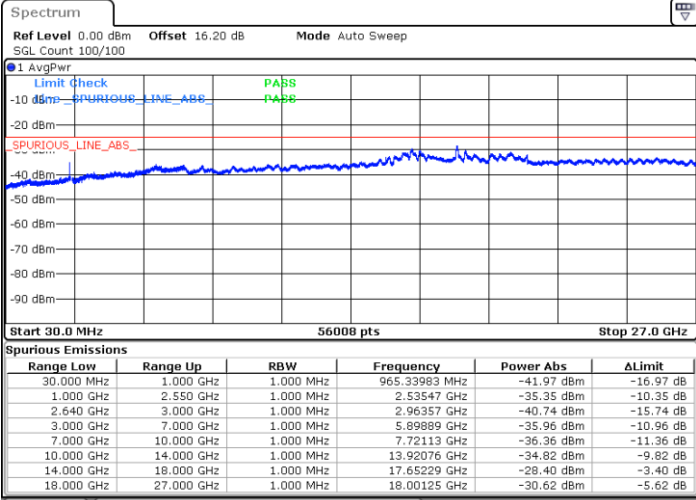
Date: 15.FEB.2023 15:04:00



LTE Band 38 / 20MHz

Lowest Channel / QPSK

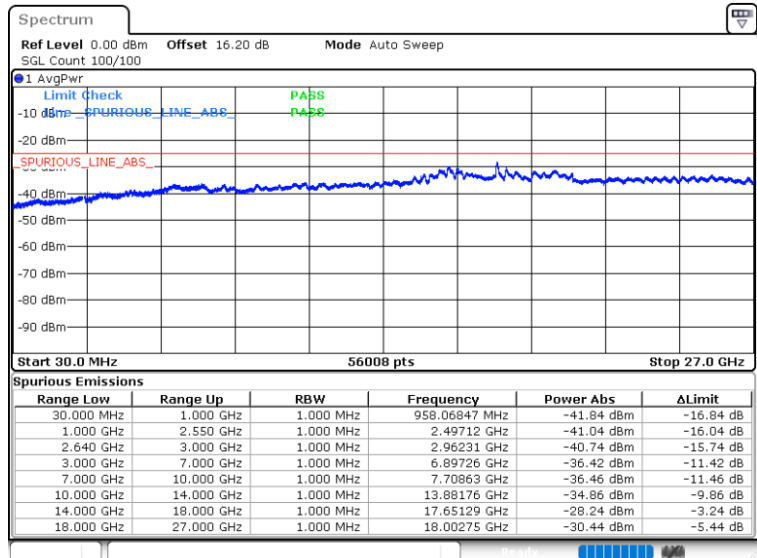
Middle Channel / QPSK



Date: 15.FEB.2023 15:05:24

Date: 15.FEB.2023 15:06:45

Highest Channel / QPSK



Date: 15.FEB.2023 15:08:04



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	0.0008	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0042	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

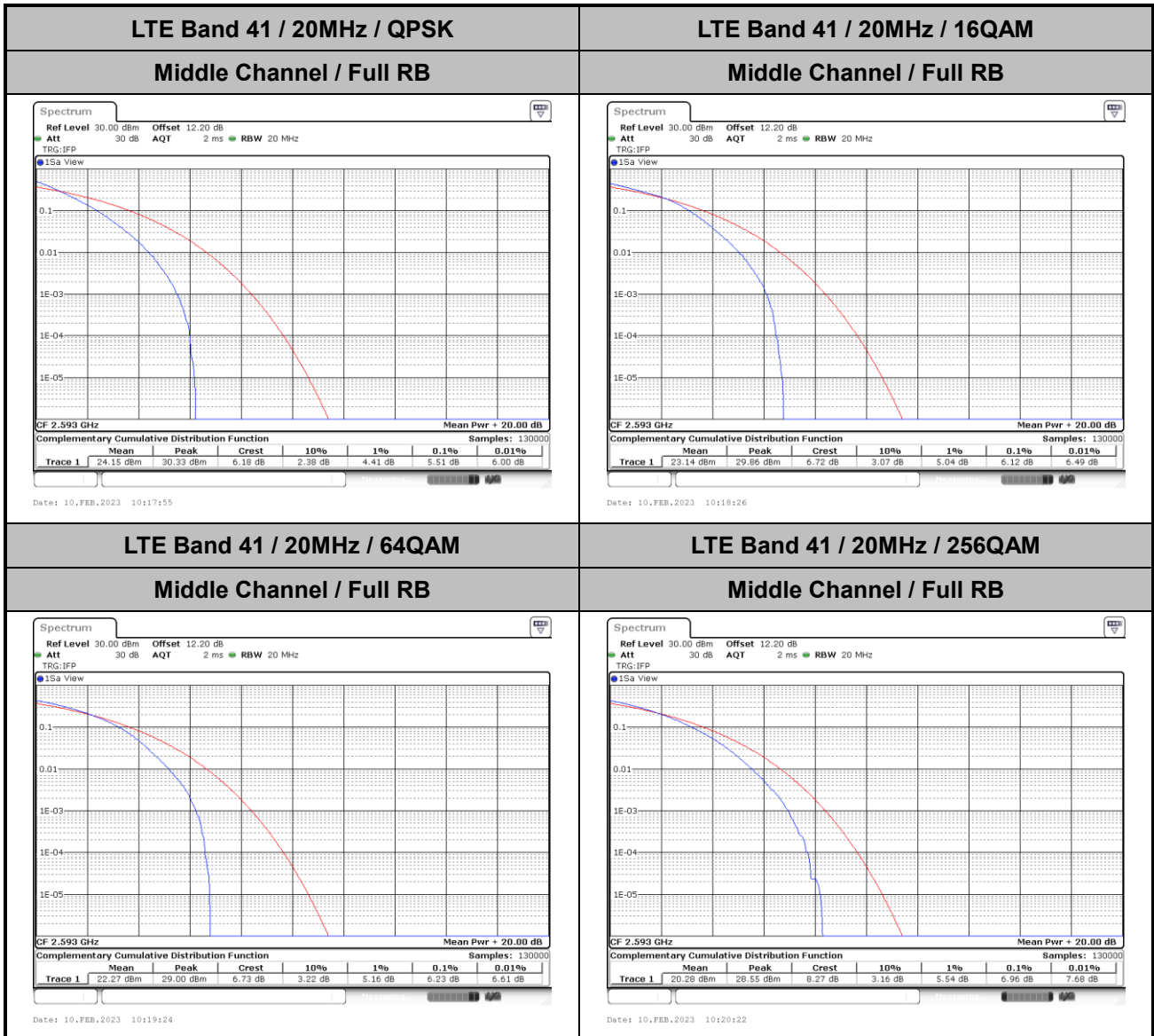
- 1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



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	5.51	6.12	6.23	6.96	PASS





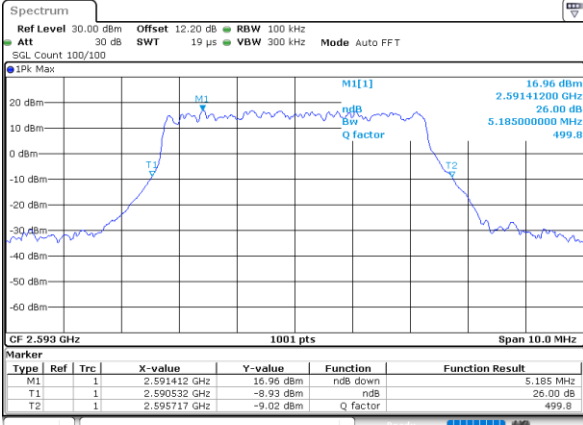
26dB Bandwidth

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	-	-	-	-	5.19	4.92	9.69	9.67	14.45	14.15	19.06	18.94
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	-	-	-	-	5.07	4.92	10.11	9.77	14.27	14.12	18.62	18.98



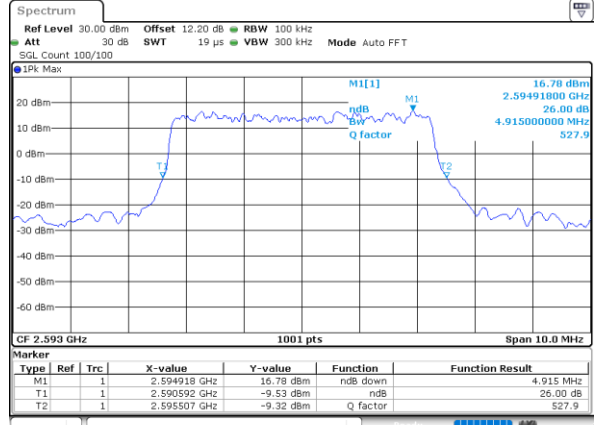
LTE Band 41

Middle Channel / 5MHz / QPSK



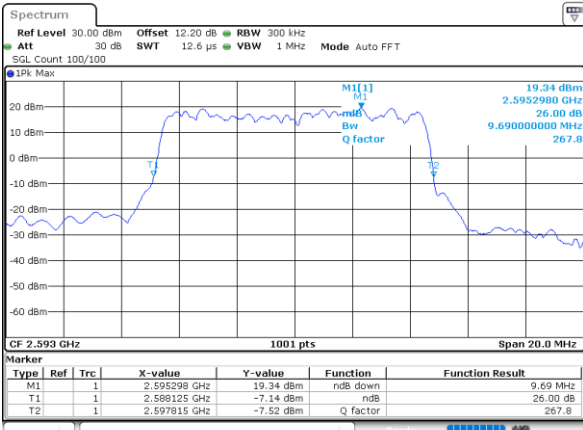
Date: 10.FEB.2023 09:10:49

Middle Channel / 5MHz / 16QAM



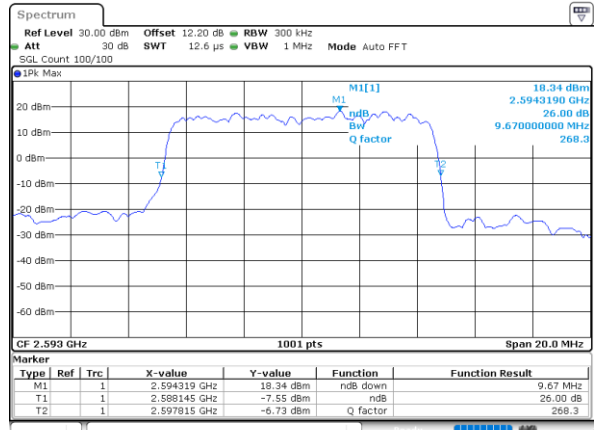
Date: 10.FEB.2023 09:11:32

Middle Channel / 10MHz / QPSK



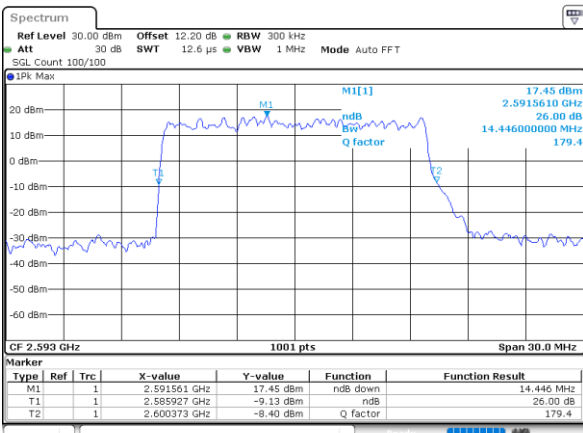
Date: 10.FEB.2023 09:55:59

Middle Channel / 10MHz / 16QAM



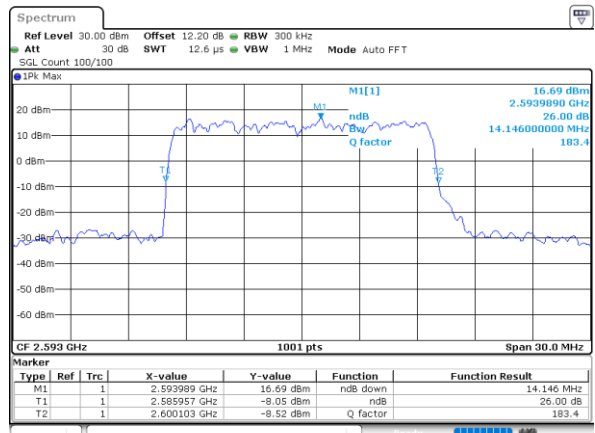
Date: 10.FEB.2023 09:56:42

Middle Channel / 15MHz / QPSK



Date: 10.FEB.2023 10:06:49

Middle Channel / 15MHz / 16QAM

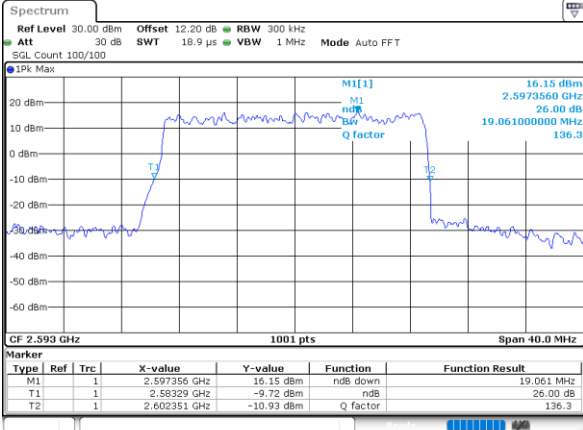


Date: 10.FEB.2023 10:07:33



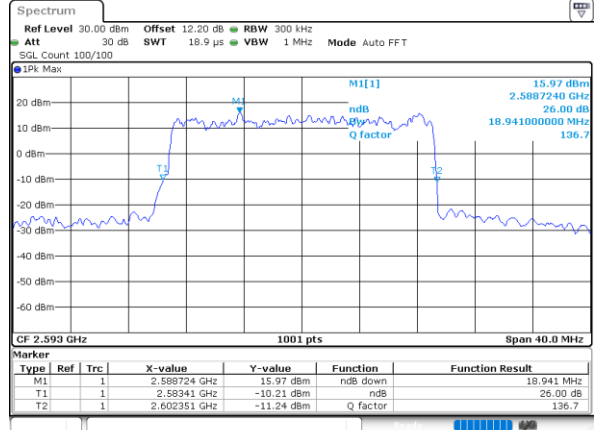
LTE Band 41

Middle Channel / 20MHz / QPSK



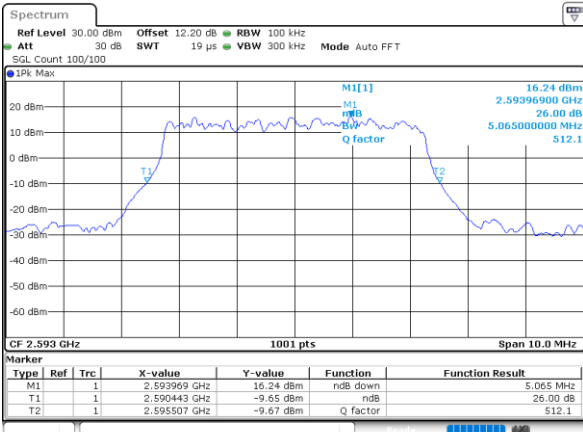
Date: 10.FEB.2023 10:17:40

Middle Channel / 20MHz / 16QAM



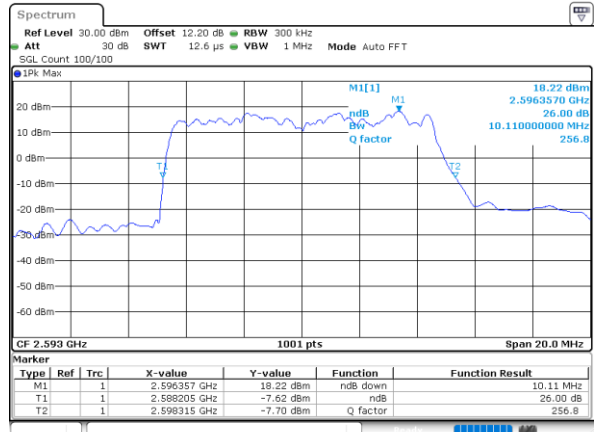
Date: 10.FEB.2023 10:18:54

Middle Channel / 5MHz / 64QAM



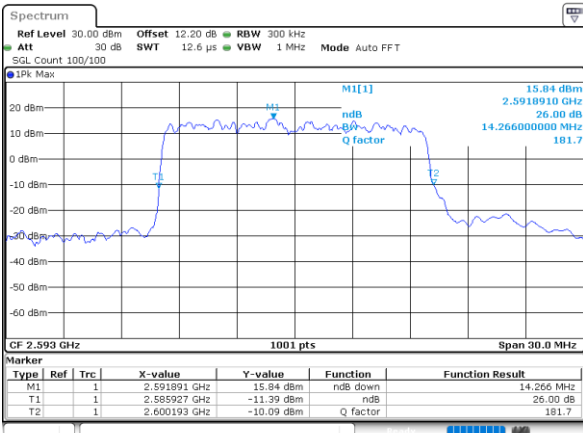
Date: 10.FEB.2023 09:12:15

Middle Channel / 10MHz / 64QAM



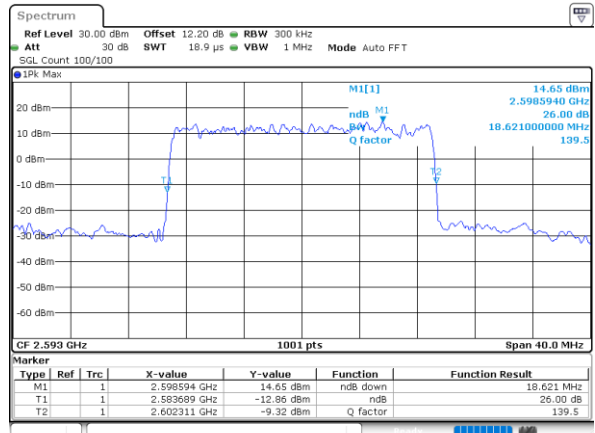
Date: 10.FEB.2023 09:15:25

Middle Channel / 15MHz / 64QAM



Date: 10.FEB.2023 10:08:17

Middle Channel / 20MHz / 64QAM

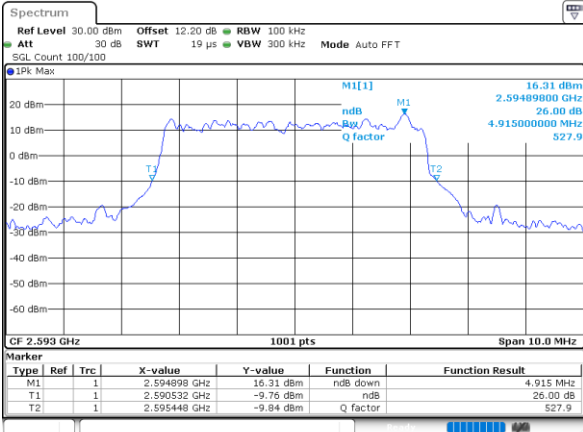


Date: 10.FEB.2023 10:19:52



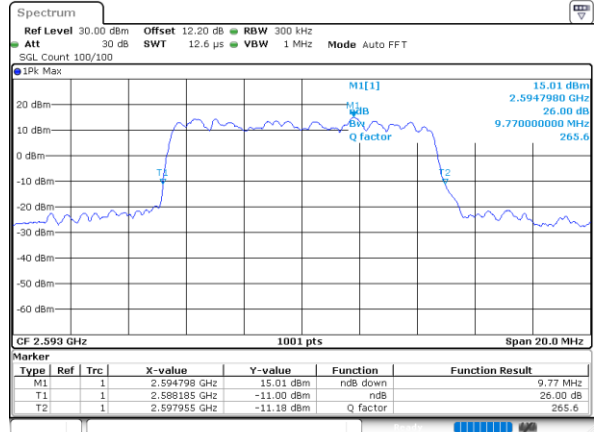
LTE Band 41

Middle Channel / 5MHz / 256QAM



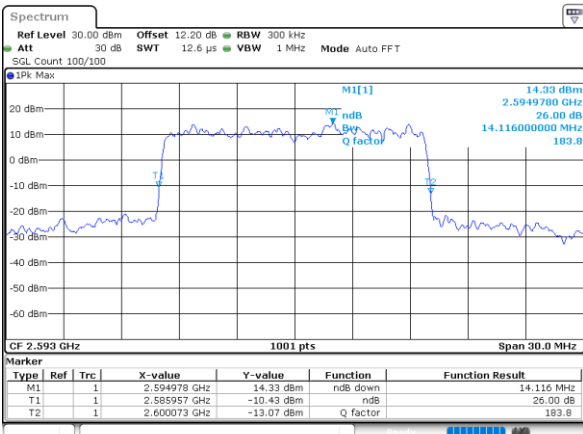
Date: 10, FEB, 2023 09:13:00

Middle Channel / 10MHz / 256QAM



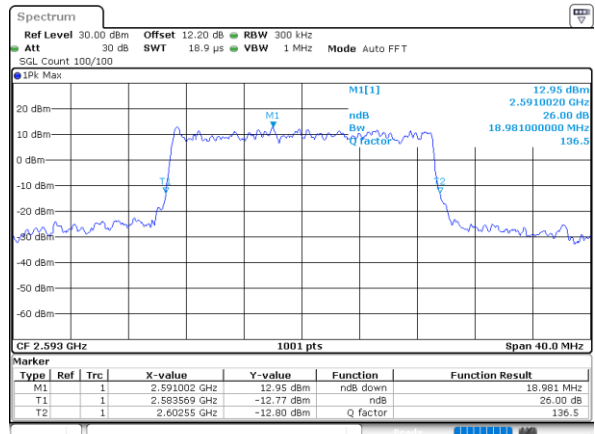
Date: 10, FEB, 2023 09:15:08

Middle Channel / 15MHz / 256QAM



Date: 10, FEB, 2023 10:08:59

Middle Channel / 20MHz / 256QAM



Date: 10, FEB, 2023 10:20:51



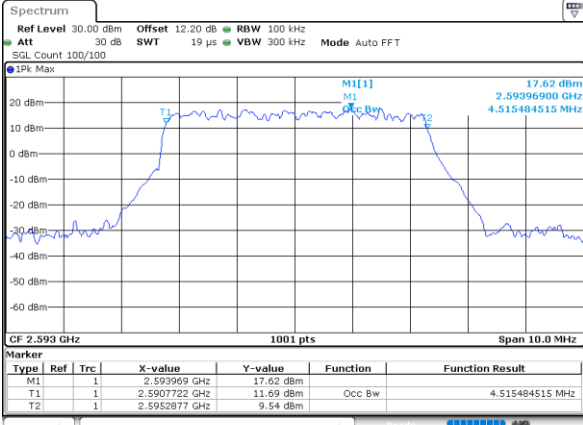
Occupied Bandwidth

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	-	-	-	-	4.52	4.53	9.01	8.97	13.49	13.43	17.90	17.90
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	-	-	-	-	4.41	4.48	9.03	8.97	13.49	13.61	17.82	17.86



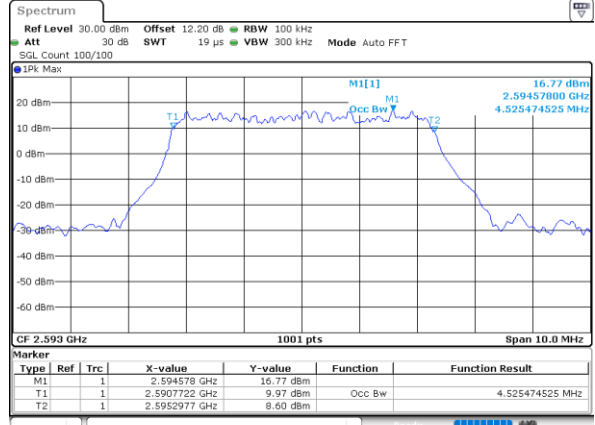
LTE Band 41

Middle Channel / 5MHz / QPSK



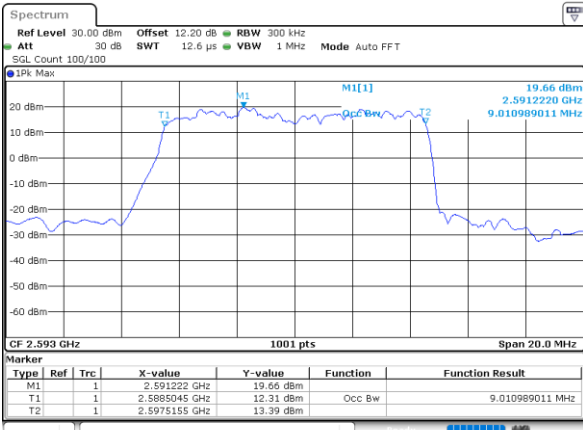
Date: 10.FEB.2023 09:10:35

Middle Channel / 5MHz / 16QAM



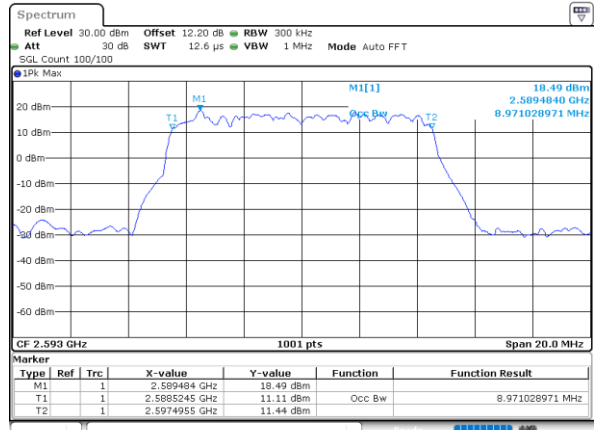
Date: 10.FEB.2023 09:11:18

Middle Channel / 10MHz / QPSK



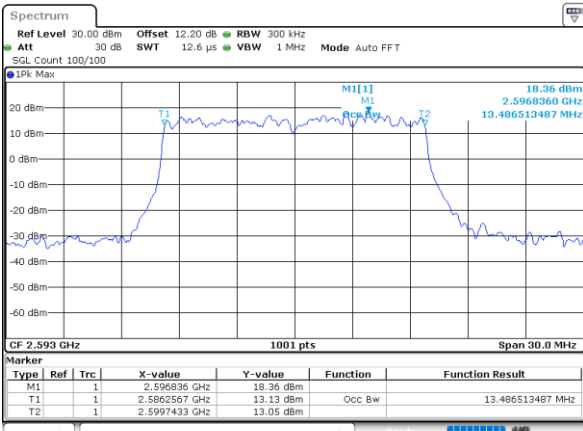
Date: 10.FEB.2023 09:55:45

Middle Channel / 10MHz / 16QAM



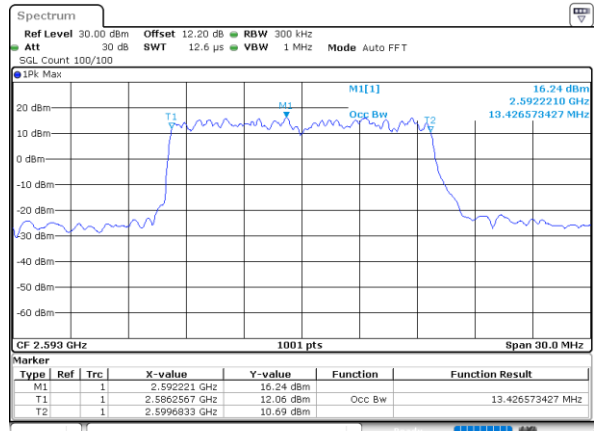
Date: 10.FEB.2023 09:56:28

Middle Channel / 15MHz / QPSK



Date: 10.FEB.2023 10:06:35

Middle Channel / 15MHz / 16QAM

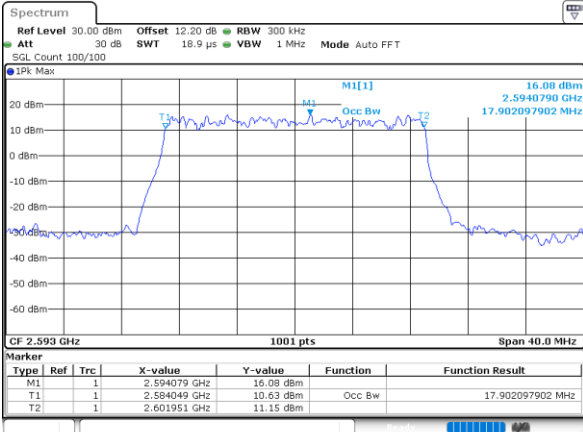


Date: 10.FEB.2023 10:07:19



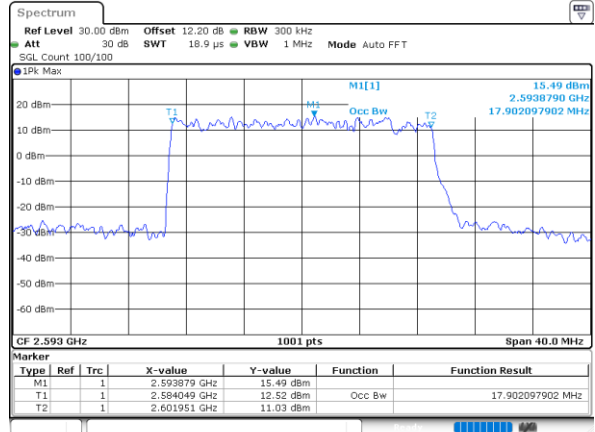
LTE Band 41

Middle Channel / 20MHz / QPSK



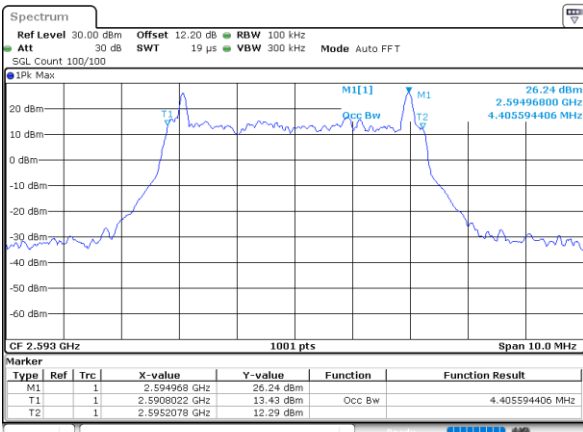
Date: 10.FEB.2023 10:17:26

Middle Channel / 20MHz / 16QAM



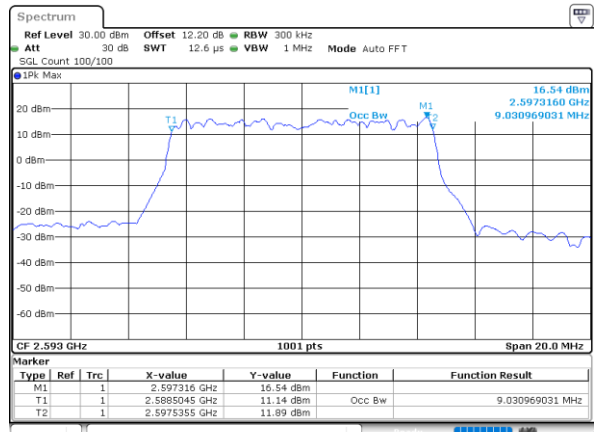
Date: 10.FEB.2023 10:18:40

Middle Channel / 5MHz / 64QAM



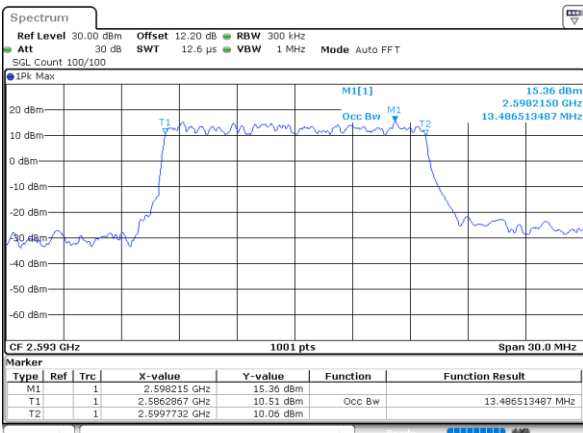
Date: 10.FEB.2023 09:12:01

Middle Channel / 10MHz / 64QAM



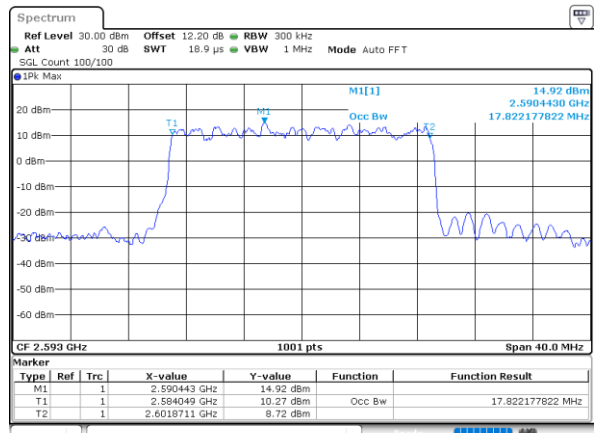
Date: 10.FEB.2023 09:15:11

Middle Channel / 15MHz / 64QAM



Date: 10.FEB.2023 10:08:03

Middle Channel / 20MHz / 64QAM

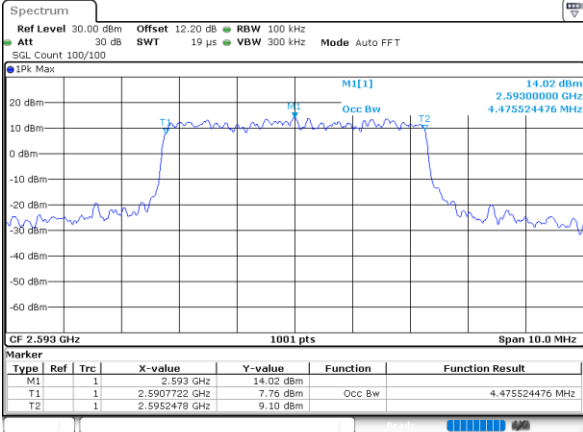


Date: 10.FEB.2023 10:19:38



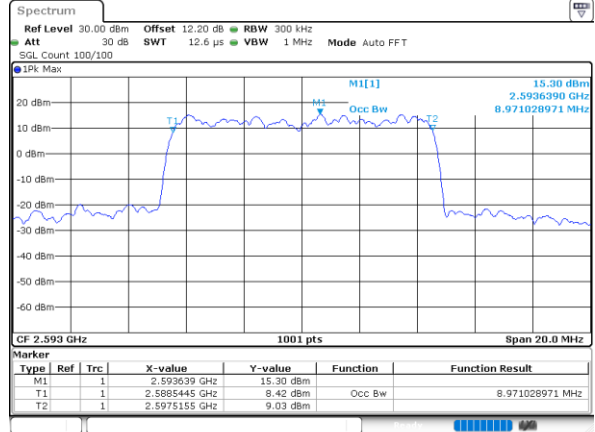
LTE Band 41

Middle Channel / 5MHz / 256QAM



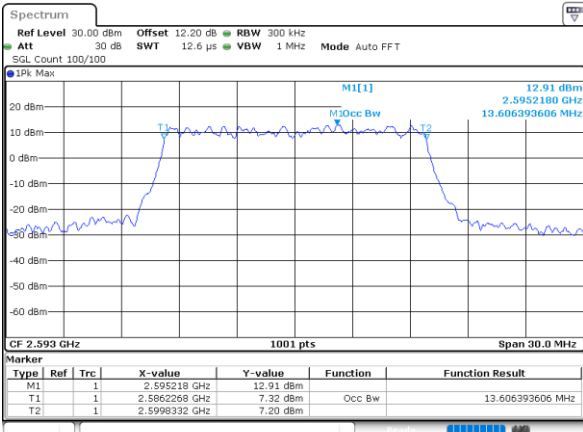
Date: 10.FEB.2023 09:12:46

Middle Channel / 10MHz / 256QAM



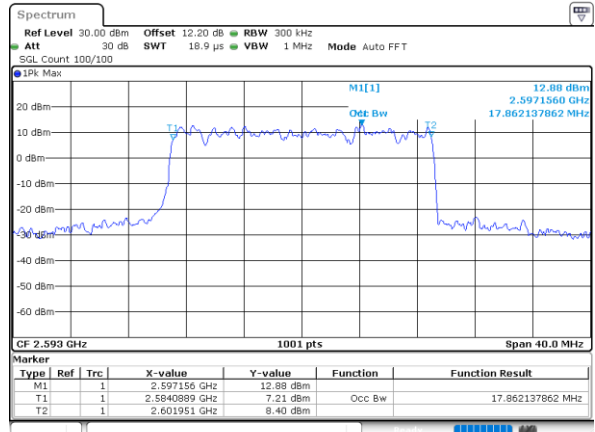
Date: 10.FEB.2023 09:15:54

Middle Channel / 15MHz / 256QAM



Date: 10.FEB.2023 10:08:45

Middle Channel / 20MHz / 256QAM



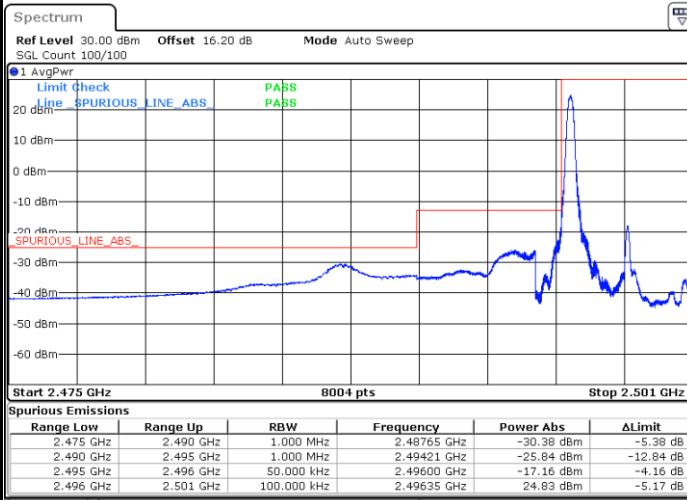
Date: 10.FEB.2023 10:20:37



Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



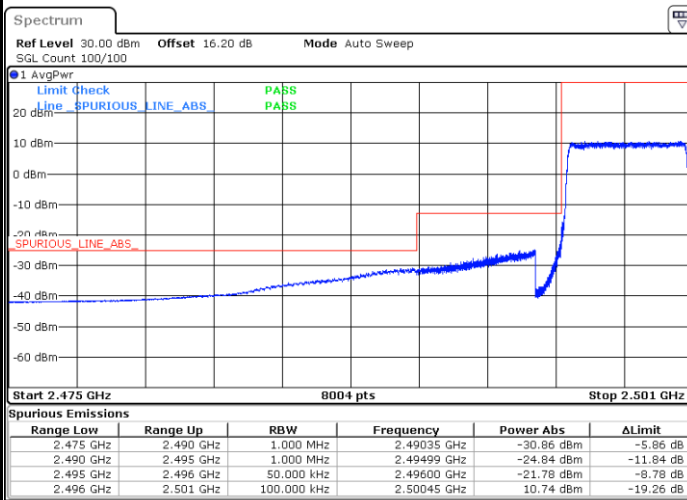
Date: 10.FEB.2023 09:00:31

Highest Band Edge / 1 RB



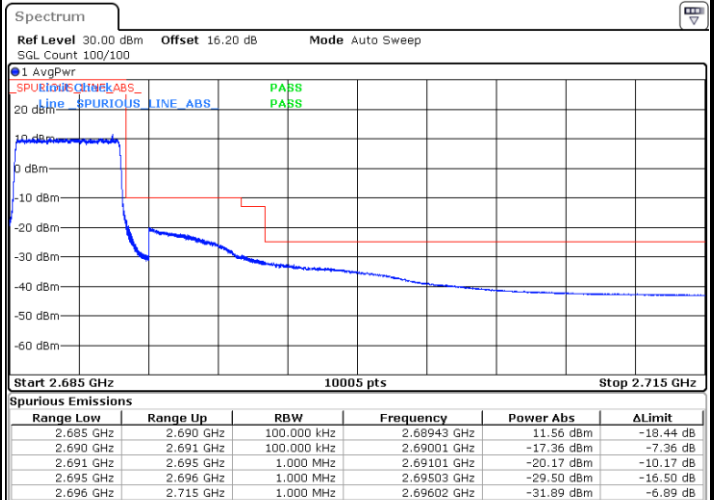
Date: 10.FEB.2023 09:18:34

Lowest Band Edge / Full RB



Date: 10.FEB.2023 09:05:48

Highest Band Edge / Full RB

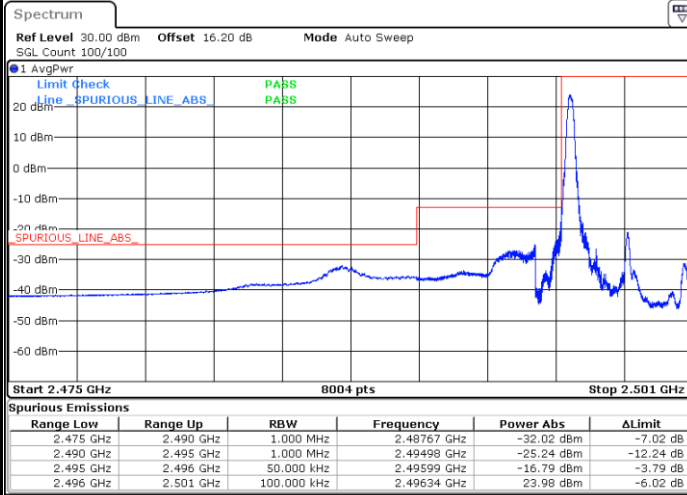


Date: 10.FEB.2023 09:14:07



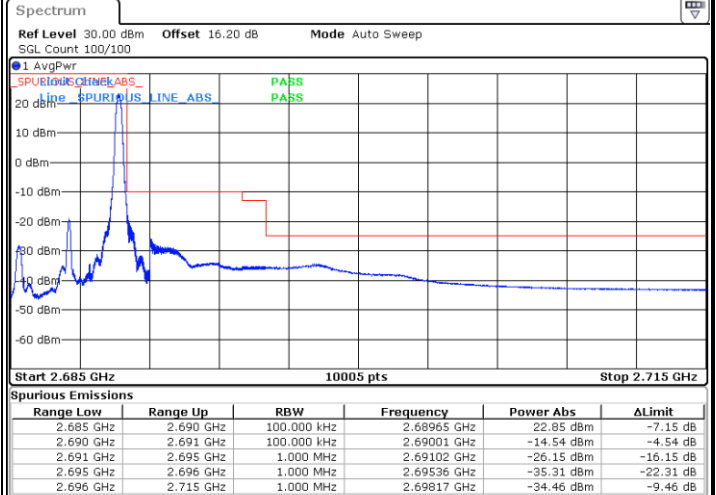
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



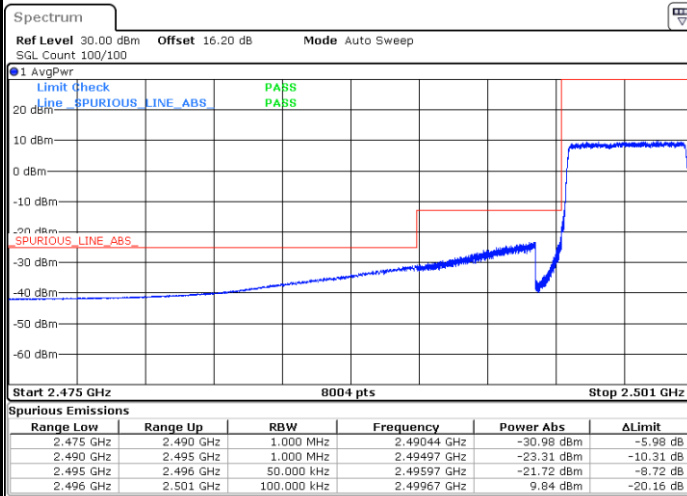
Date: 10.FEB.2023 09:01:31

Highest Band Edge / 1 RB



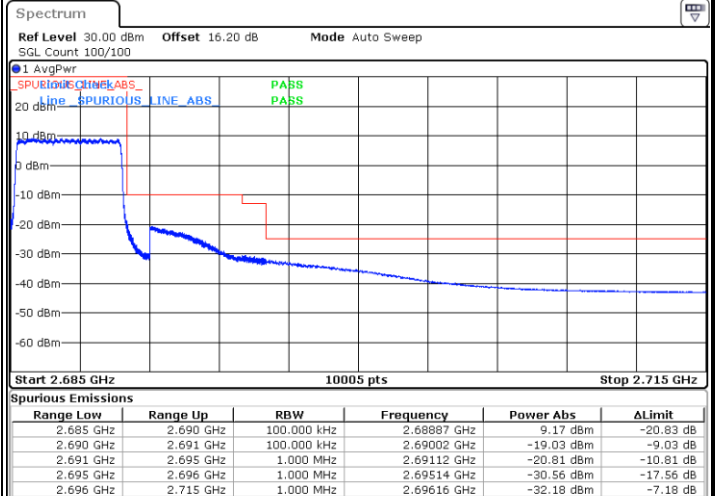
Date: 10.FEB.2023 13:49:10

Lowest Band Edge / Full RB



Date: 10.FEB.2023 09:06:48

Highest Band Edge / Full RB

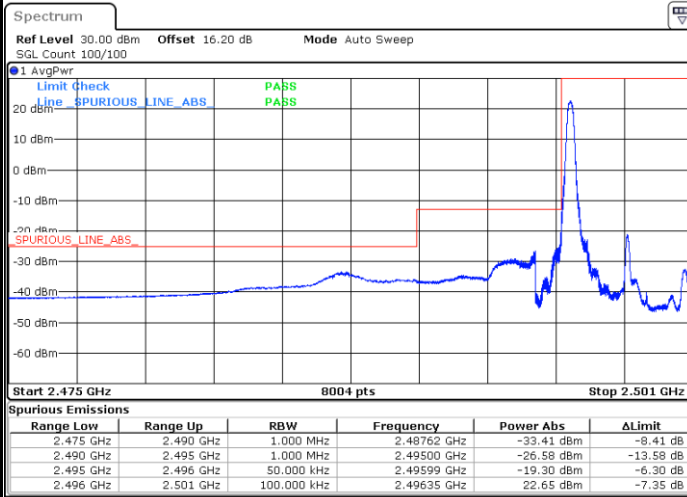


Date: 10.FEB.2023 09:15:13



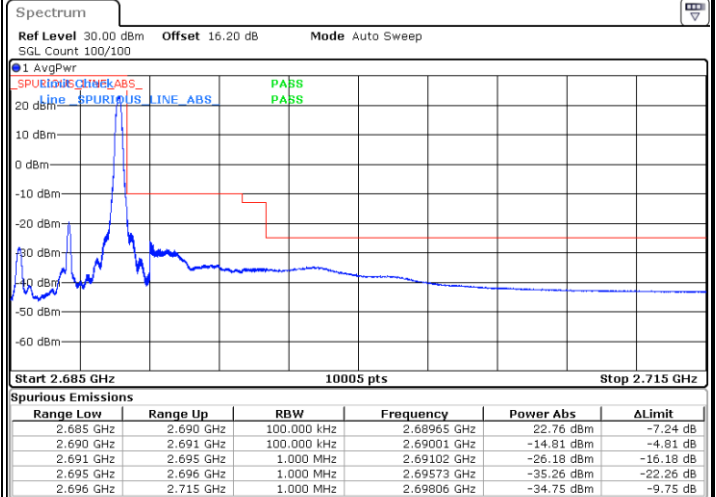
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



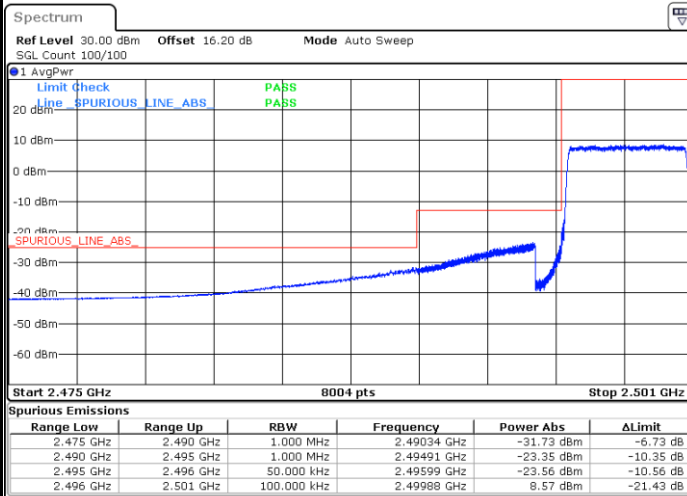
Date: 10.FEB.2023 09:02:31

Highest Band Edge / 1 RB



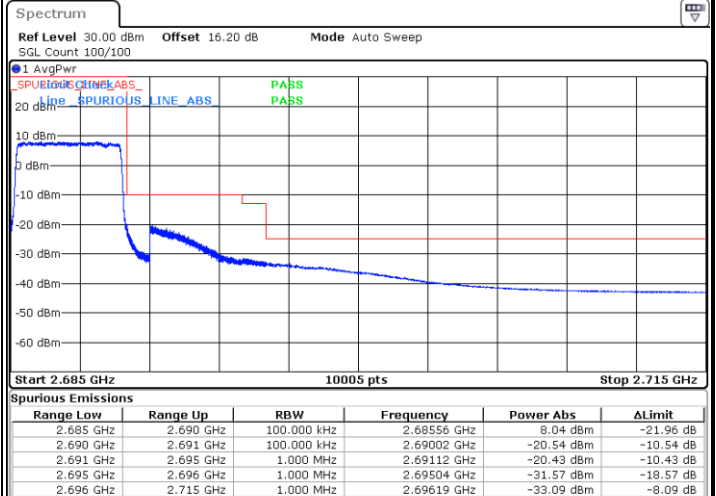
Date: 10.FEB.2023 13:50:43

Lowest Band Edge / Full RB



Date: 10.FEB.2023 09:07:48

Highest Band Edge / Full RB

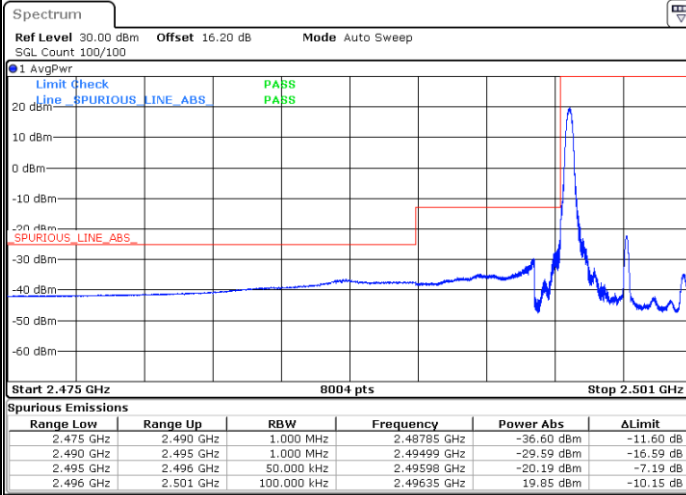


Date: 10.FEB.2023 09:16:20



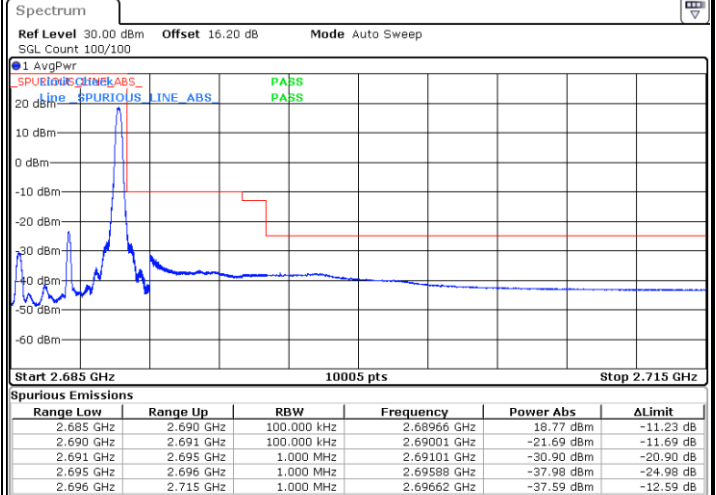
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



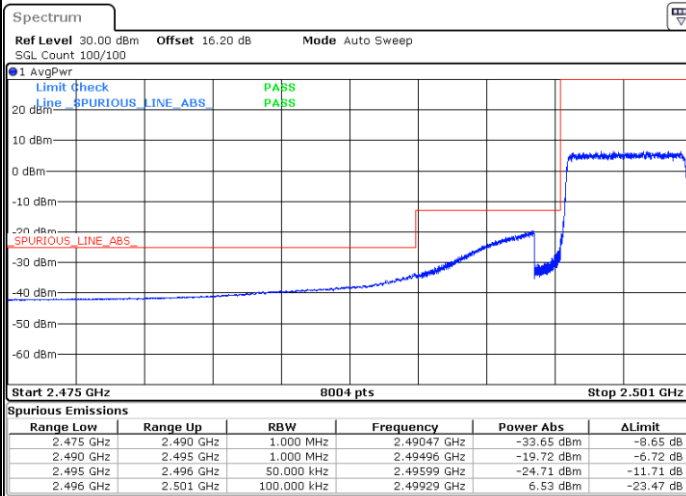
Date: 10.FEB.2023 09:03:30

Highest Band Edge / 1 RB



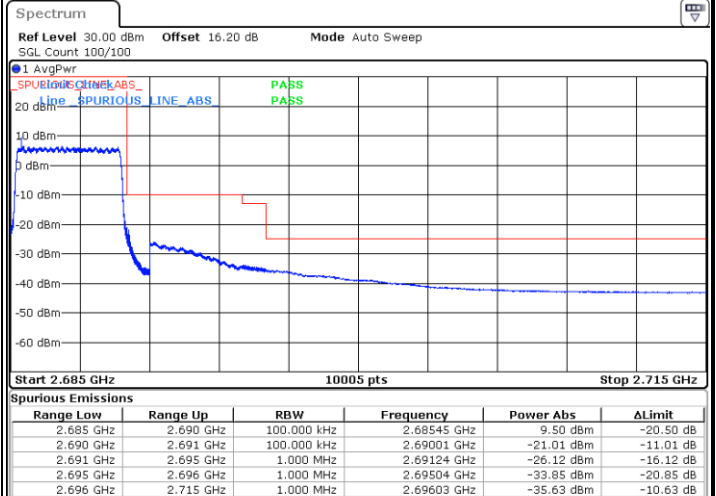
Date: 10.FEB.2023 13:51:55

Lowest Band Edge / Full RB



Date: 10.FEB.2023 13:53:13

Highest Band Edge / Full RB

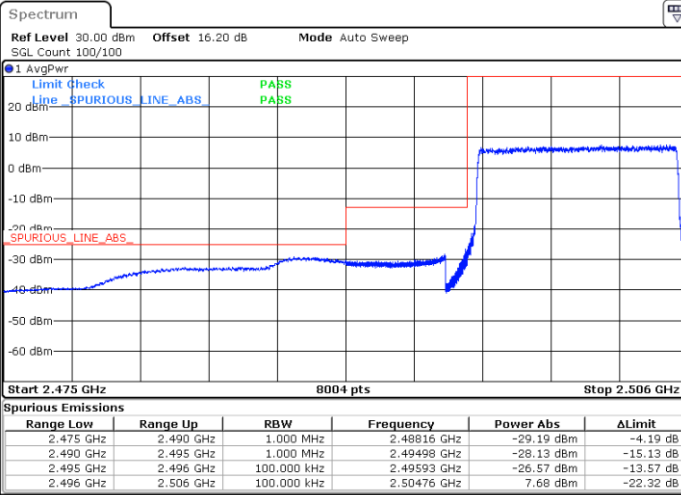


Date: 10.FEB.2023 09:17:27



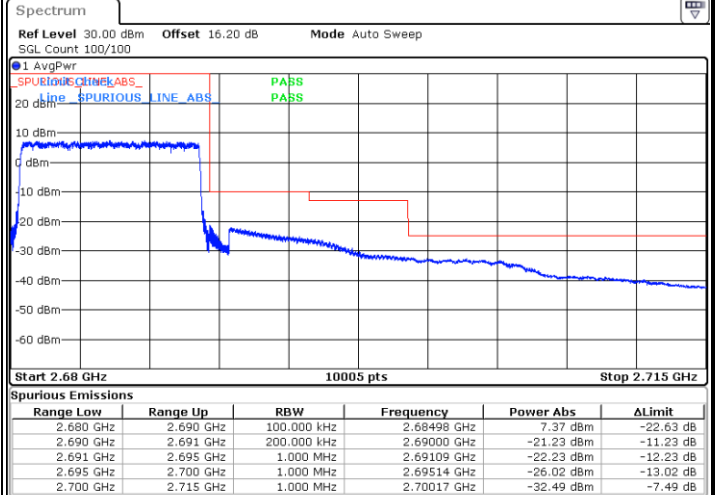
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 10.FEB.2023 09:50:17

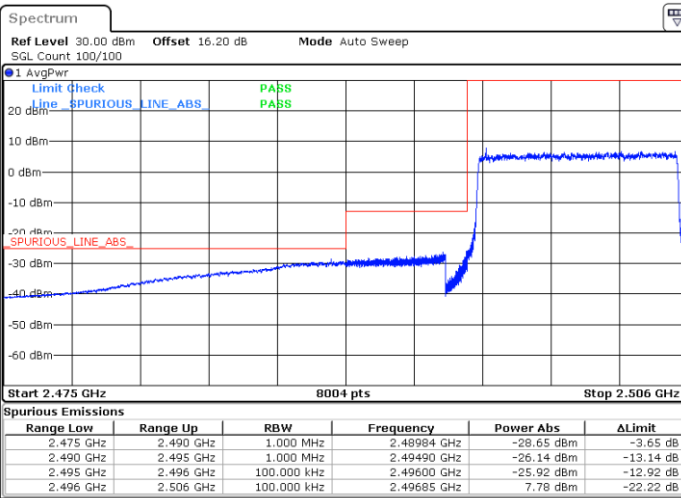
Highest Band Edge / Full RB



Date: 10.FEB.2023 09:59:06

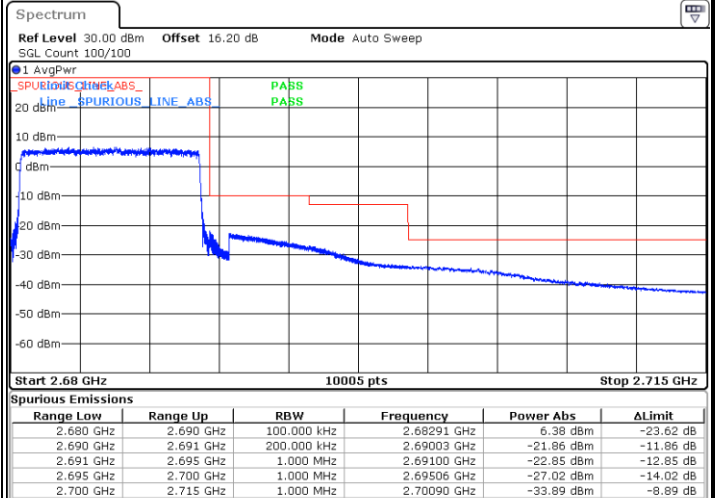
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 10.FEB.2023 09:51:17

Highest Band Edge / Full RB

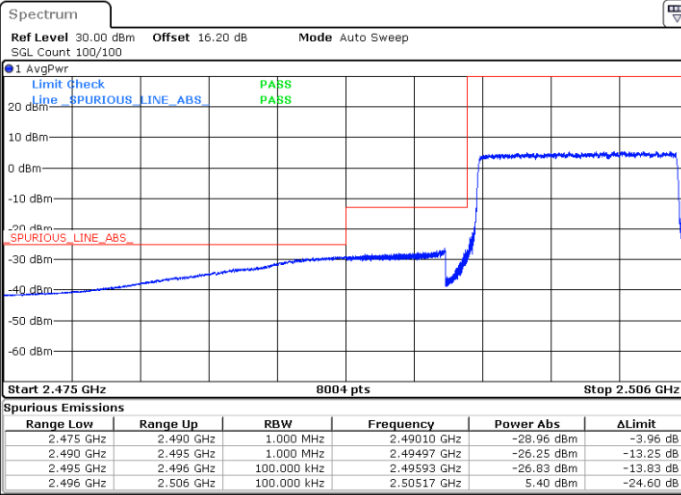


Date: 10.FEB.2023 10:00:05



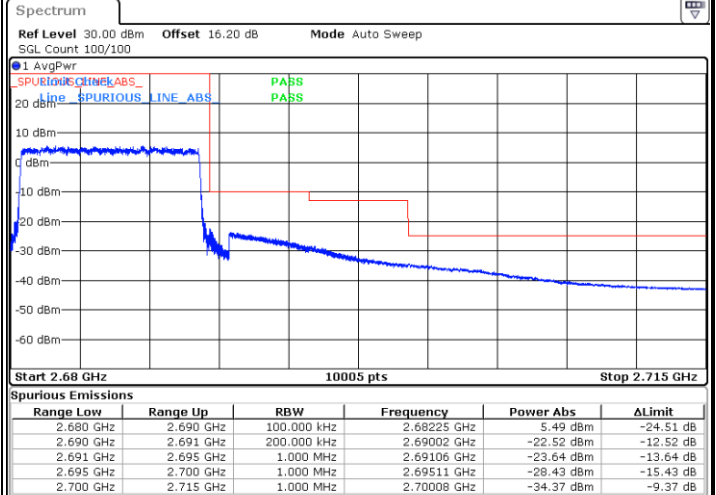
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 10.FEB.2023 09:52:17

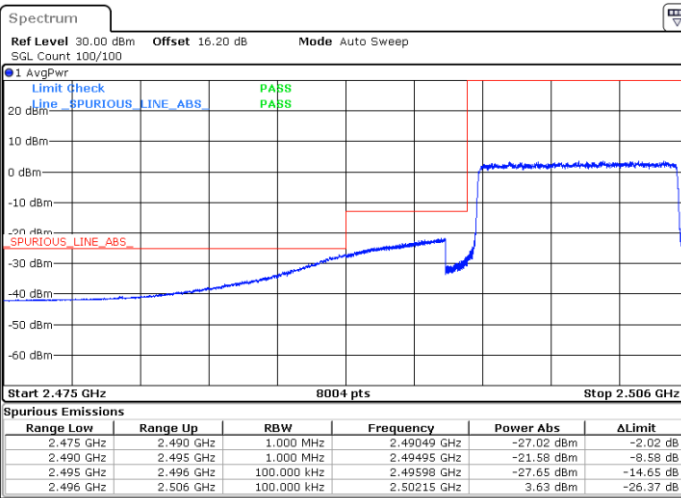
Highest Band Edge / Full RB



Date: 10.FEB.2023 10:01:04

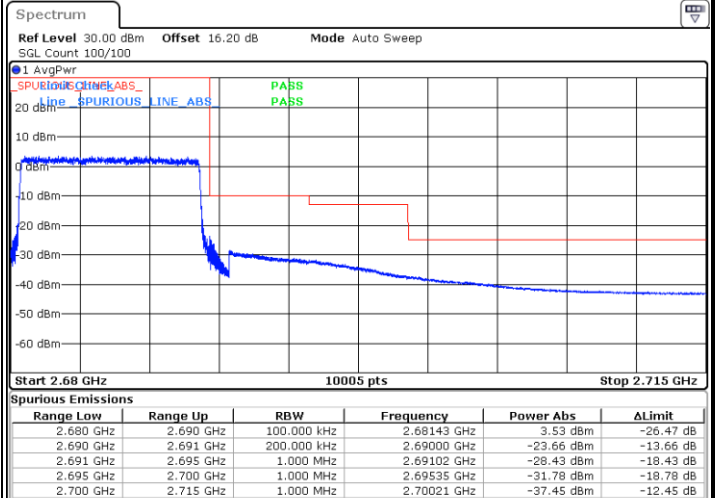
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 10.FEB.2023 09:53:17

Highest Band Edge / Full RB

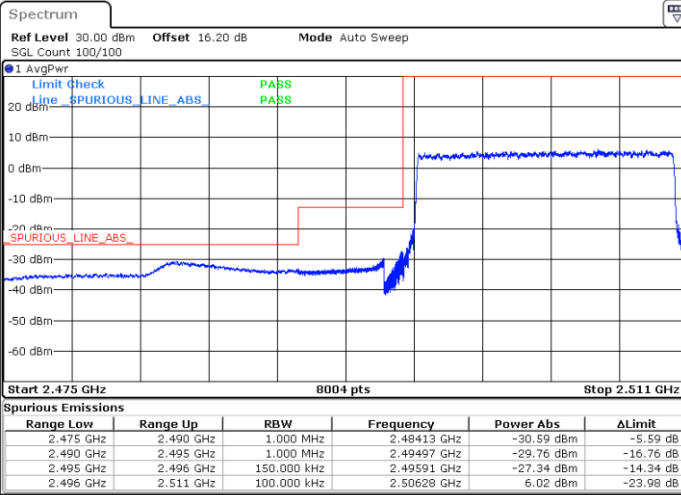


Date: 10.FEB.2023 10:02:03



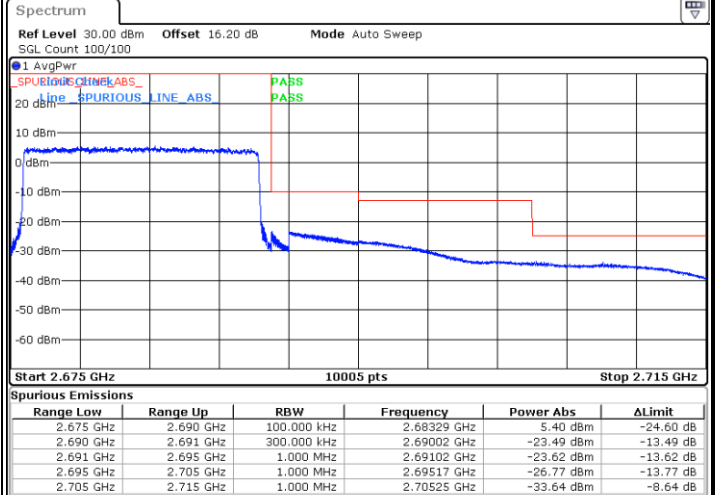
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 10.FEB.2023 10:03:07

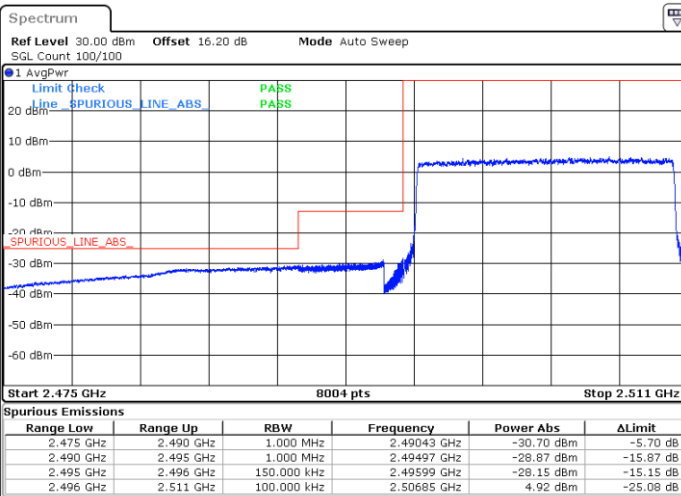
Highest Band Edge / Full RB



Date: 10.FEB.2023 10:09:58

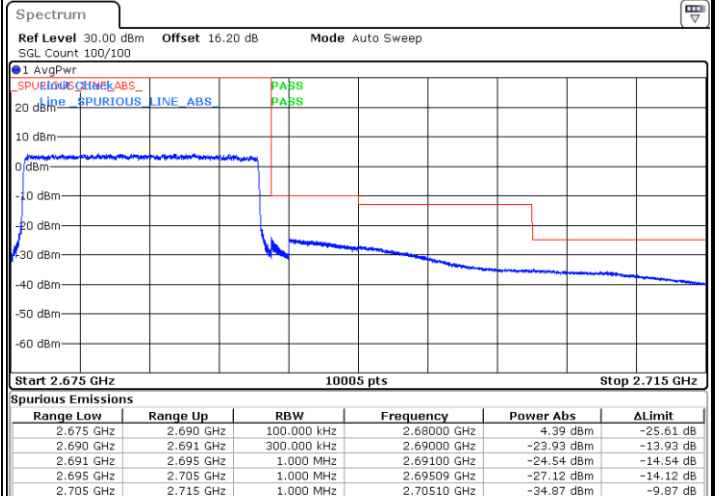
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 10.FEB.2023 10:04:07

Highest Band Edge / Full RB



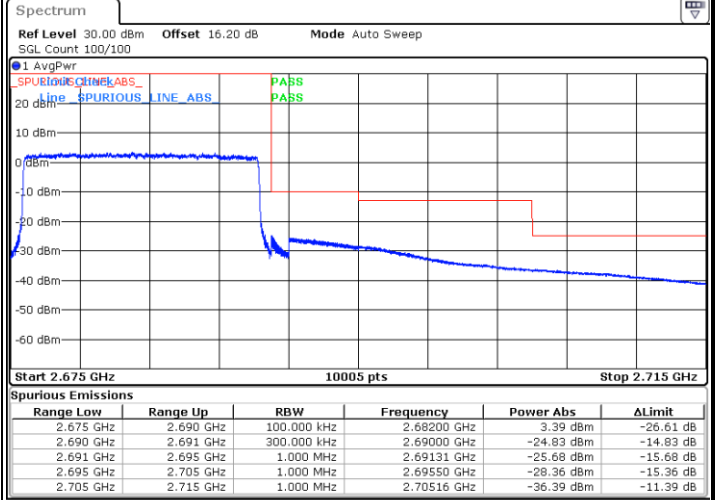
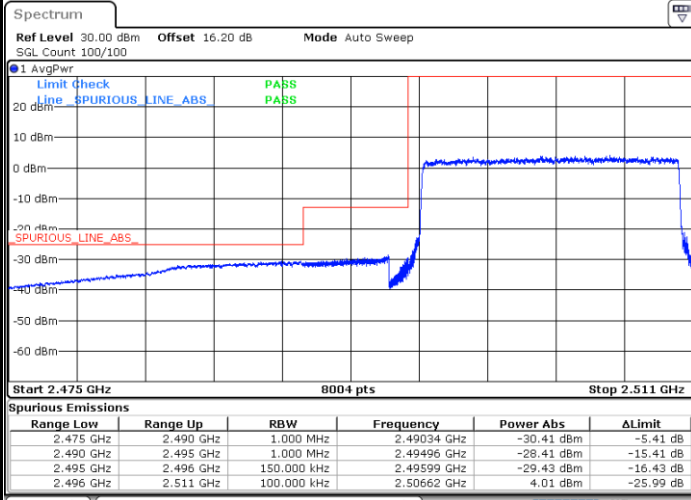
Date: 10.FEB.2023 10:10:57



LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.FEB.2023 10:05:06

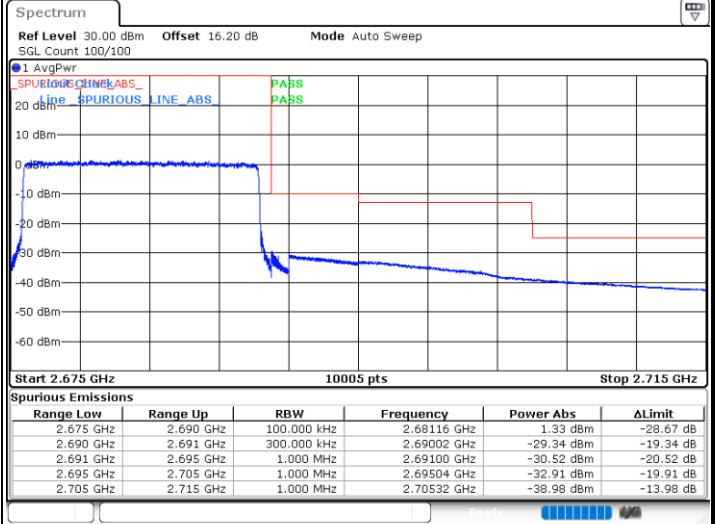
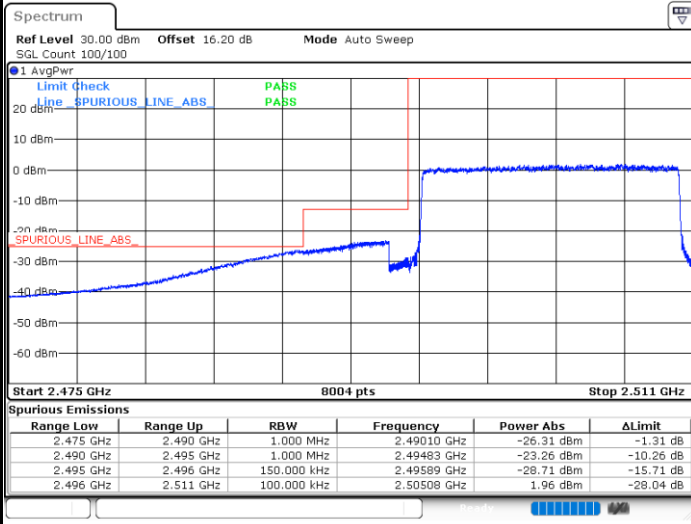
Date: 10.FEB.2023 10:11:56



LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.FEB.2023 10:06:06

Date: 10.FEB.2023 10:12:55

