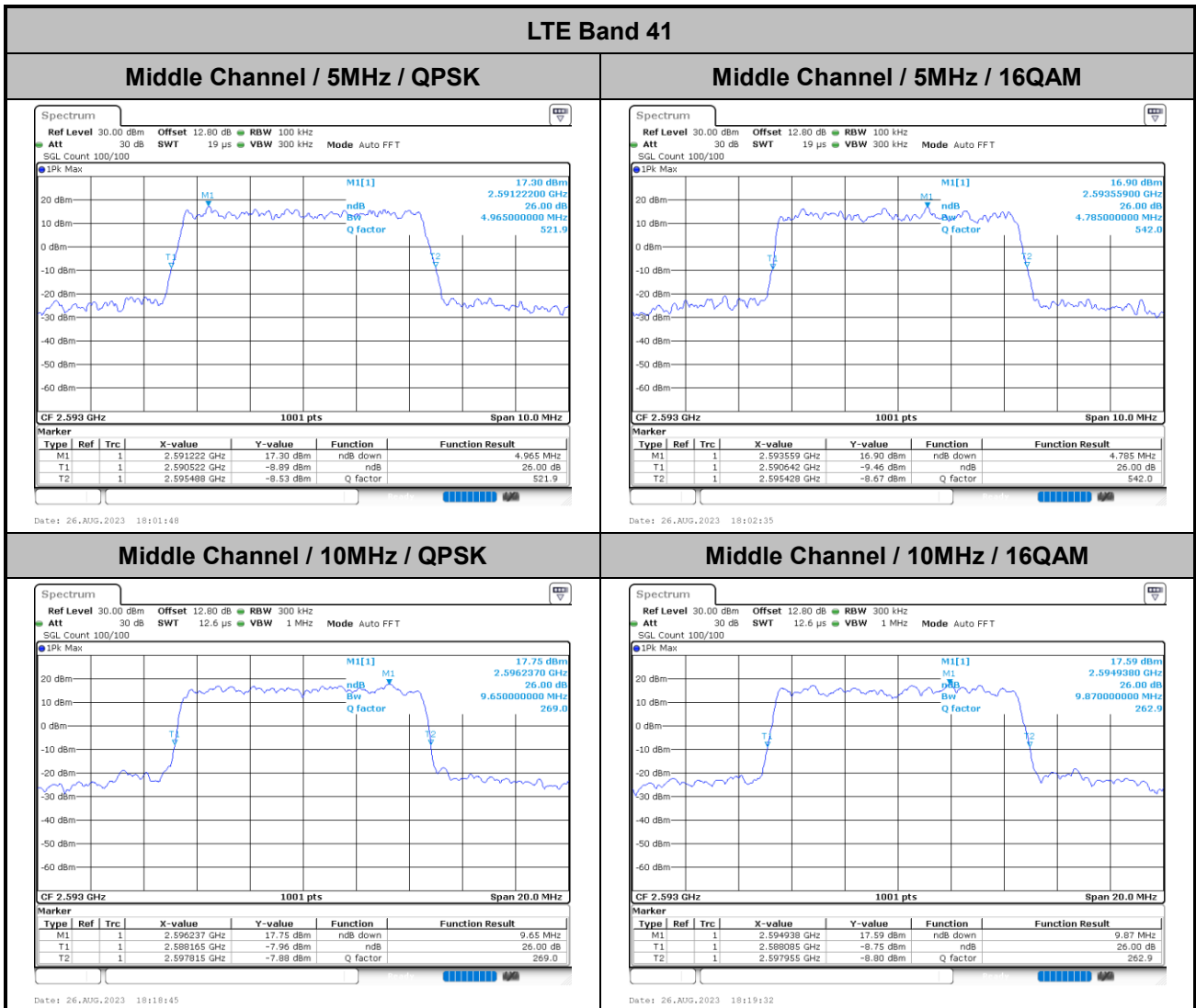




26dB Bandwidth

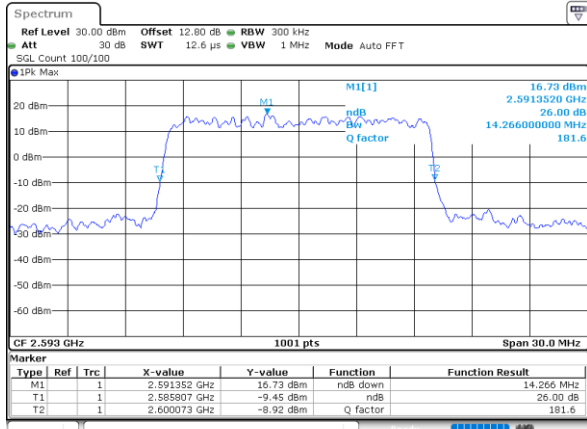
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.97	4.79	9.65	9.87	14.27	14.09	18.90	18.98
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.87	4.82	9.71	9.79	14.30	14.54	18.94	18.66





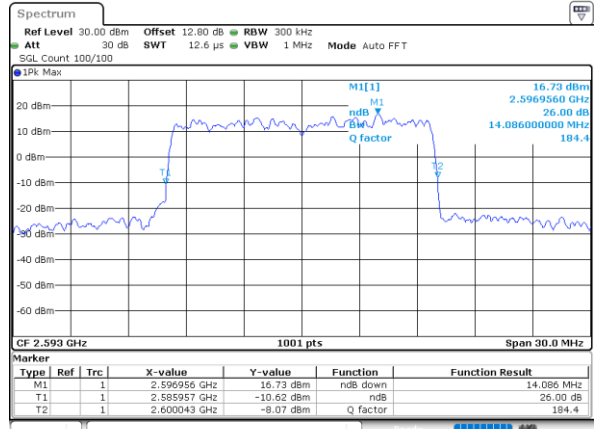
LTE Band 41

Middle Channel / 15MHz / QPSK



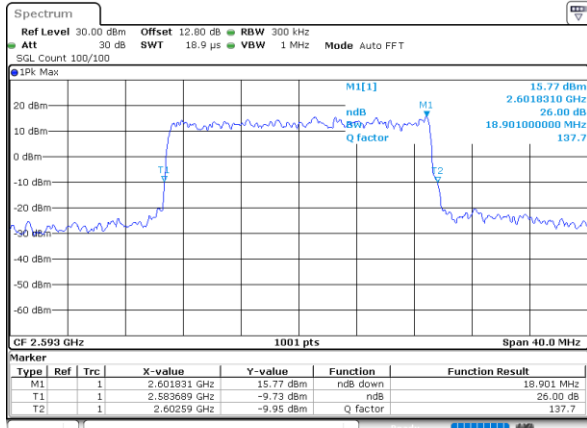
Date: 26_AUG_2023 18:30:36

Middle Channel / 15MHz / 16QAM



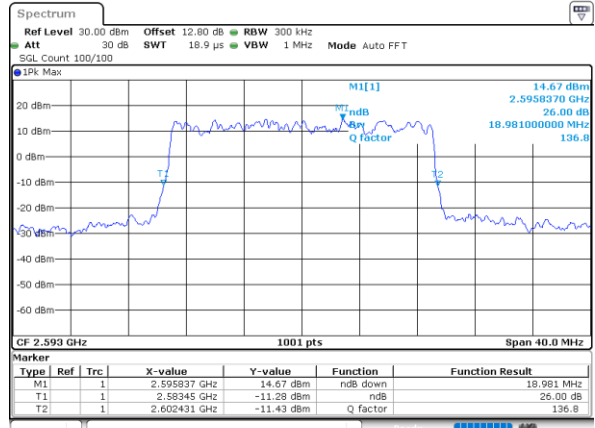
Date: 26_AUG_2023 18:31:23

Middle Channel / 20MHz / QPSK



Date: 26_AUG_2023 18:52:37

Middle Channel / 20MHz / 16QAM

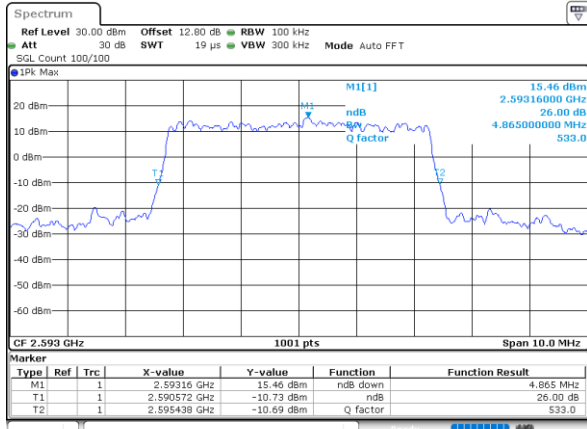


Date: 26_AUG_2023 18:54:16

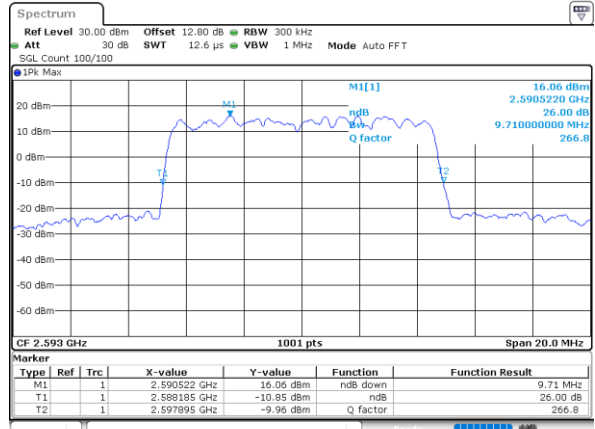


LTE Band 41

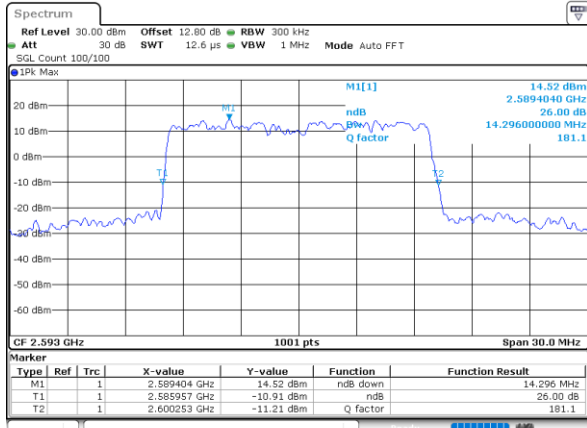
Middle Channel / 5MHz / 64QAM



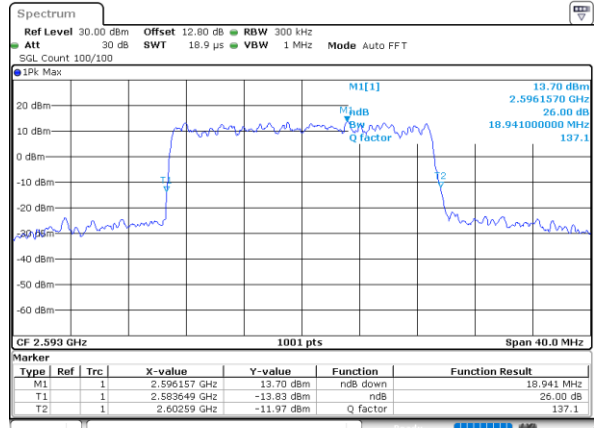
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



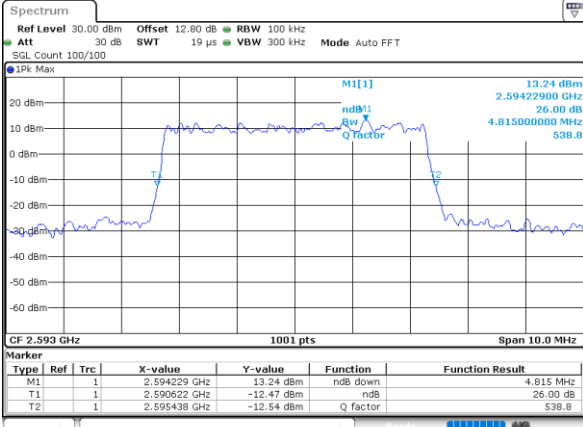
Middle Channel / 20MHz / 64QAM





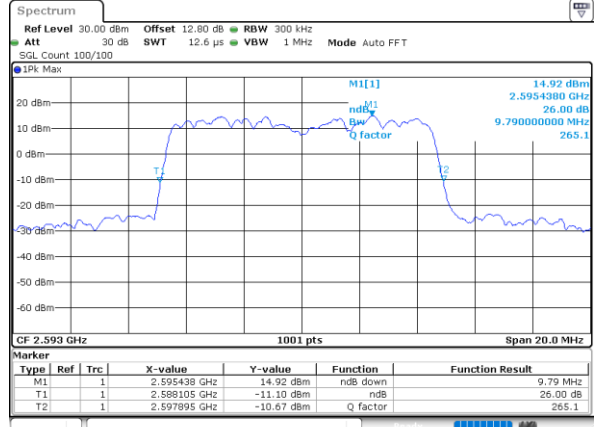
LTE Band 41

Middle Channel / 5MHz / 256QAM



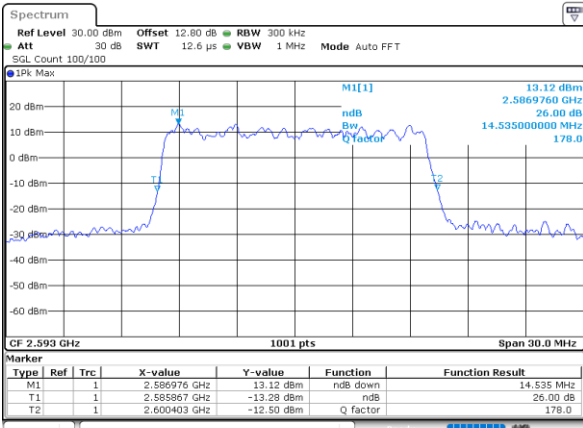
Date: 26.AUG.2023 18:04:09

Middle Channel / 10MHz / 256QAM



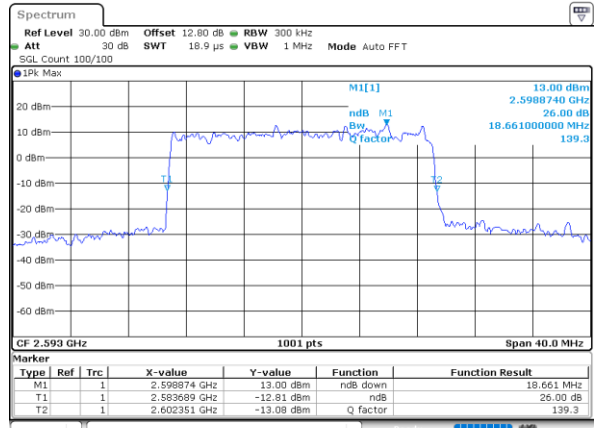
Date: 26.AUG.2023 18:21:06

Middle Channel / 15MHz / 256QAM



Date: 26.AUG.2023 18:32:57

Middle Channel / 20MHz / 256QAM

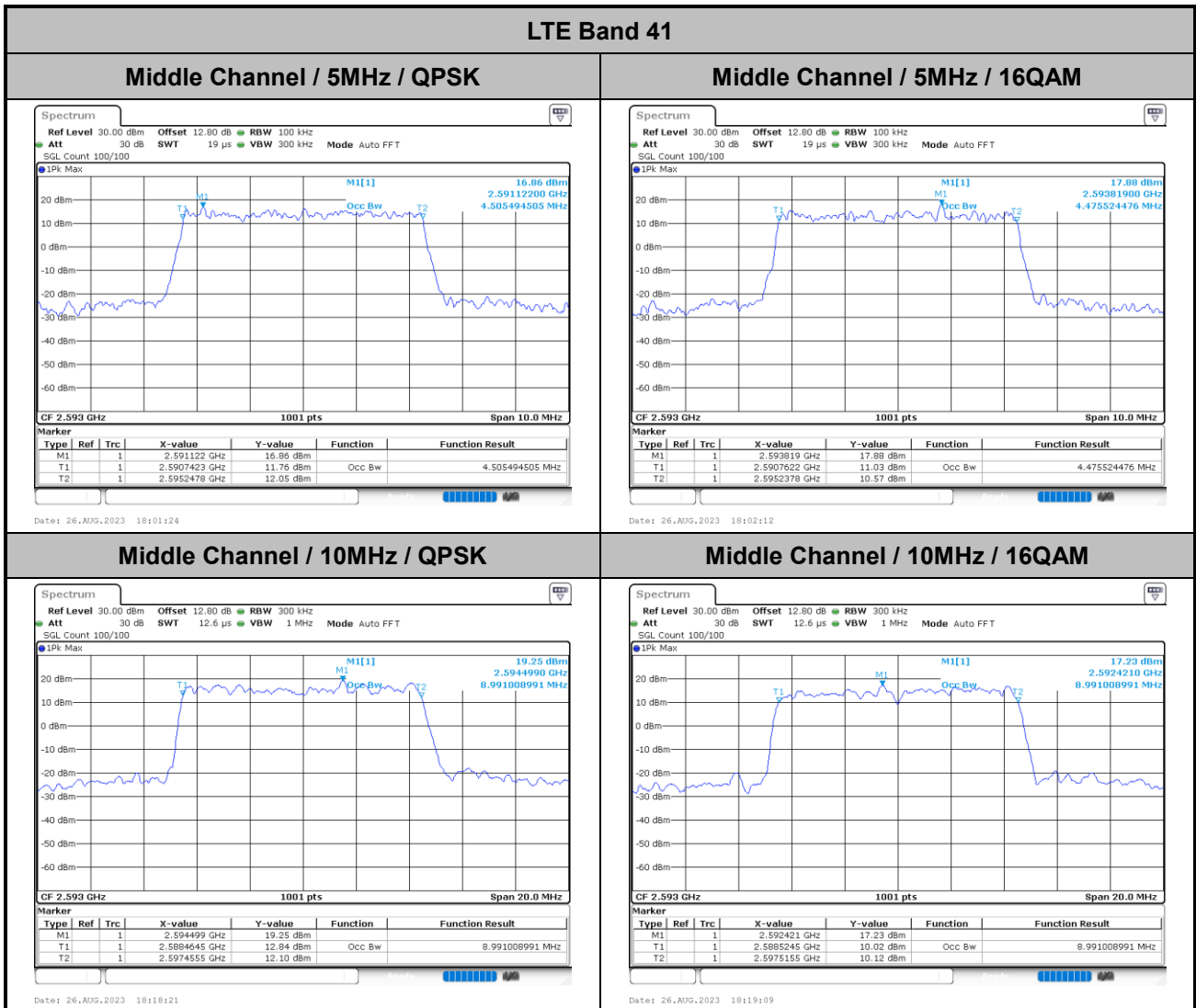


Date: 26.AUG.2023 18:56:41



Occupied Bandwidth

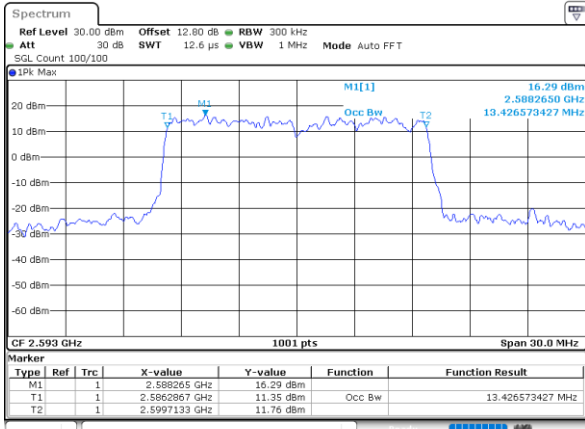
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.51	4.48	8.99	8.99	13.43	13.49	17.94	17.82
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.53	4.48	9.05	8.95	13.43	13.46	17.90	17.94





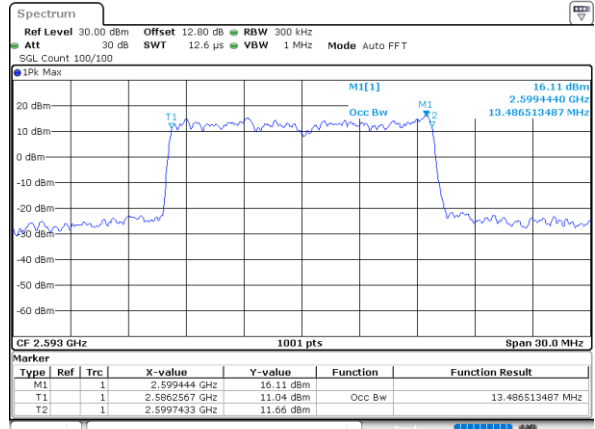
LTE Band 41

Middle Channel / 15MHz / QPSK



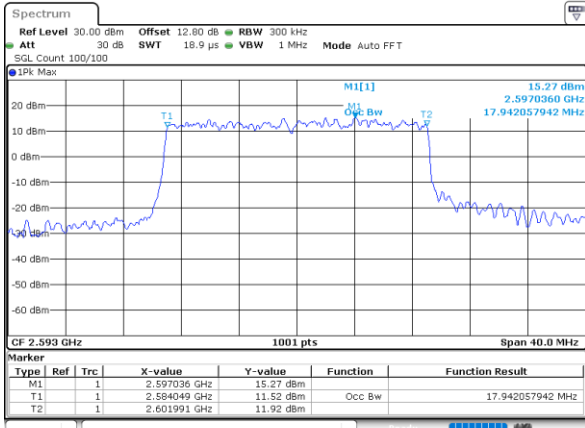
Date: 26.AUG.2023 18:30:13

Middle Channel / 15MHz / 16QAM



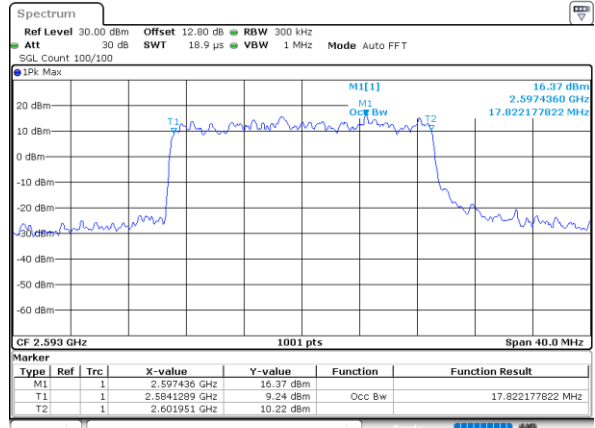
Date: 26.AUG.2023 18:31:00

Middle Channel / 20MHz / QPSK



Date: 26.AUG.2023 18:52:13

Middle Channel / 20MHz / 16QAM

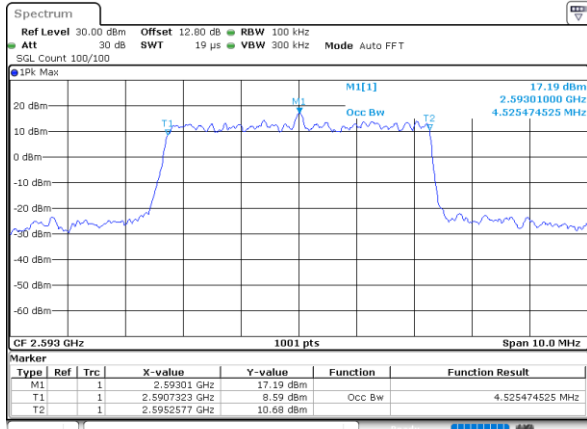


Date: 26.AUG.2023 18:53:52



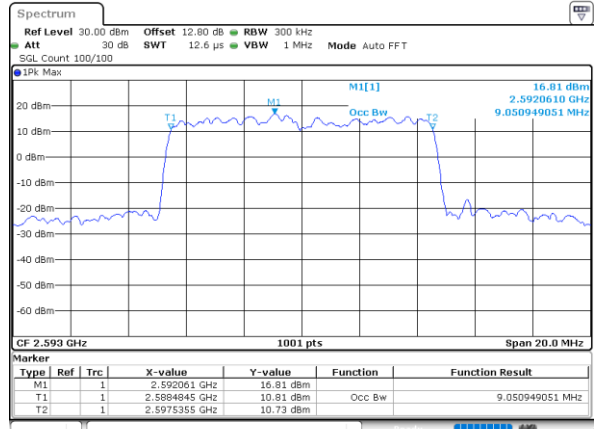
LTE Band 41

Middle Channel / 5MHz / 64QAM



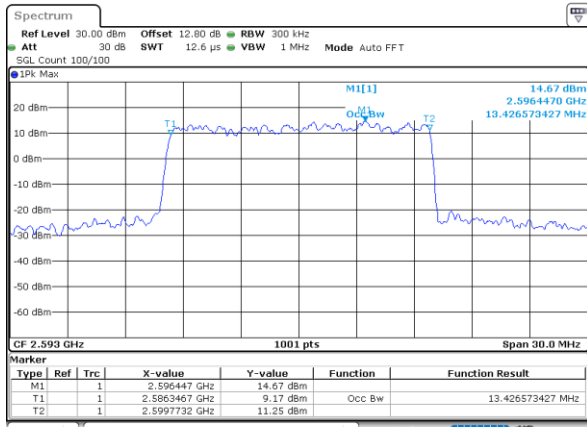
Date: 26_AUG_2023 18:02:59

Middle Channel / 10MHz / 64QAM



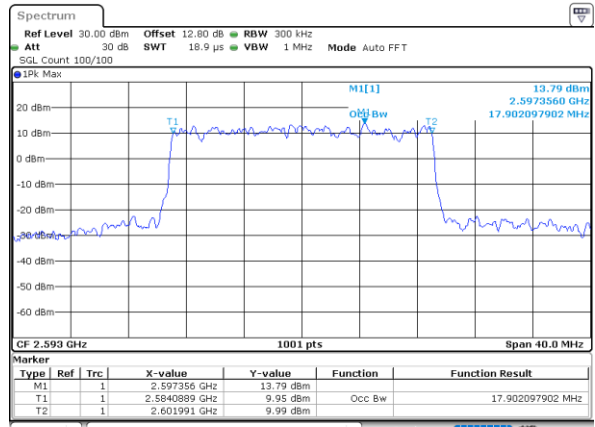
Date: 26_AUG_2023 18:19:56

Middle Channel / 15MHz / 64QAM



Date: 26_AUG_2023 18:31:47

Middle Channel / 20MHz / 64QAM

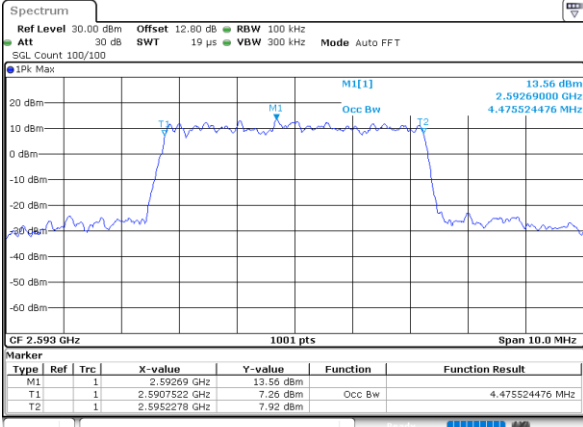


Date: 26_AUG_2023 18:55:05



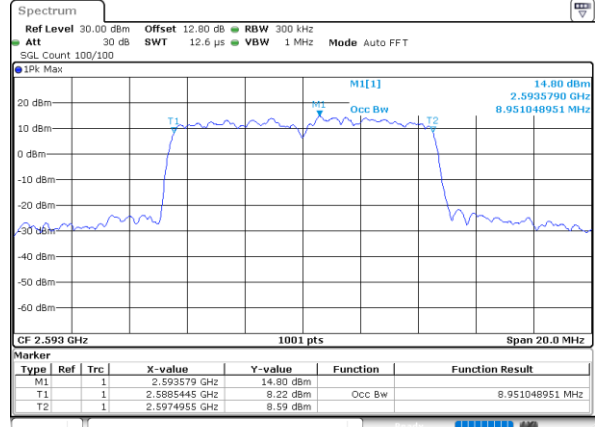
LTE Band 41

Middle Channel / 5MHz / 256QAM



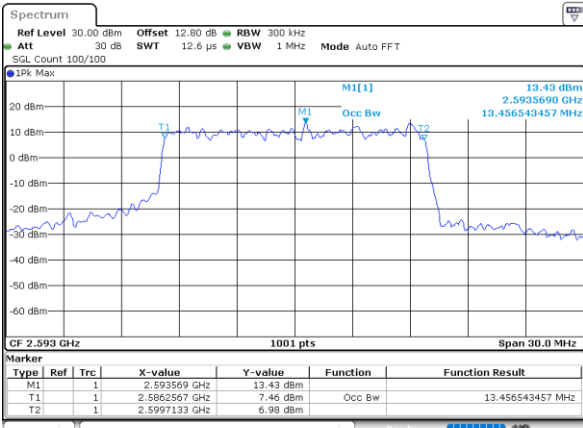
Date: 26.AUG.2023 18:03:46

Middle Channel / 10MHz / 256QAM



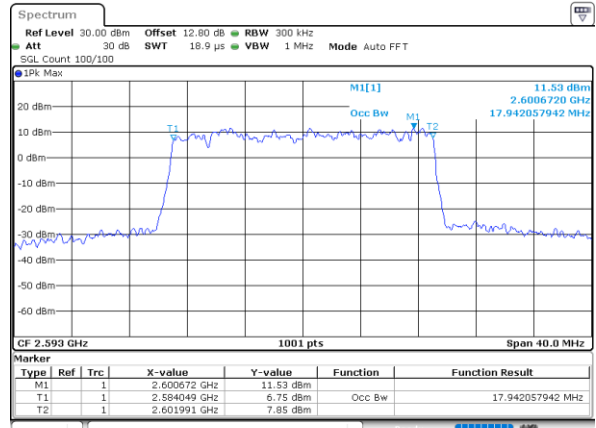
Date: 26.AUG.2023 18:20:43

Middle Channel / 15MHz / 256QAM



Date: 26.AUG.2023 18:32:04

Middle Channel / 20MHz / 256QAM



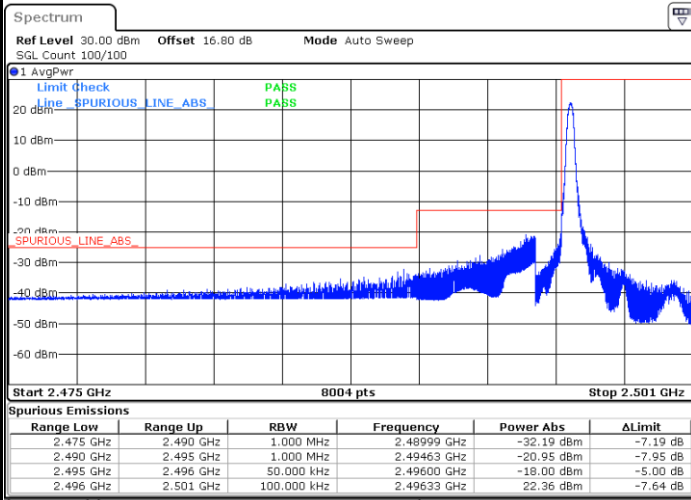
Date: 26.AUG.2023 18:56:18



Conducted Band Edge

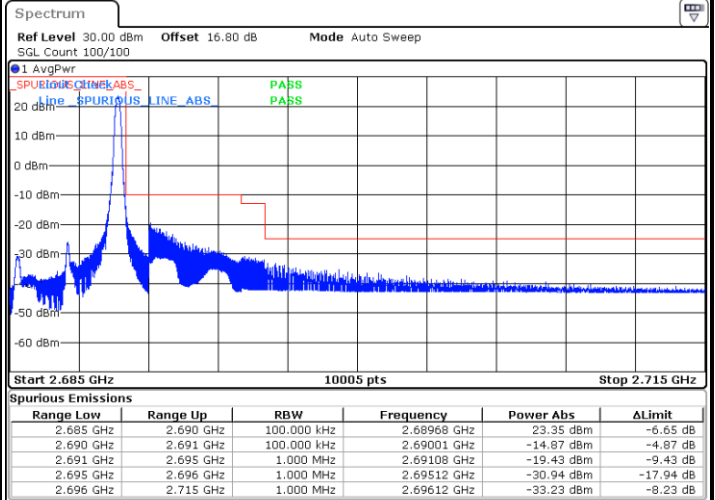
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



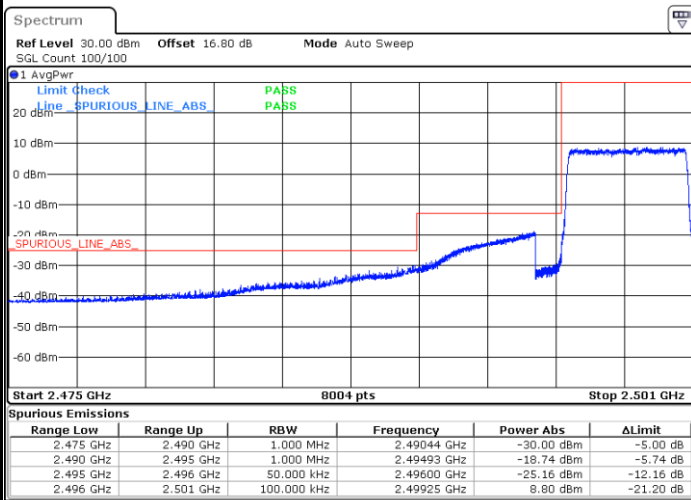
Date: 26.AUG.2023 17:48:43

Highest Band Edge / 1 RB



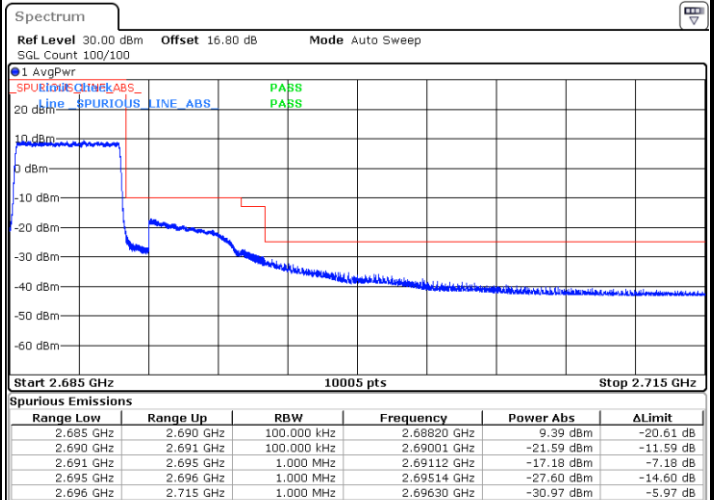
Date: 26.AUG.2023 18:09:26

Lowest Band Edge / Full RB



Date: 26.AUG.2023 17:55:51

Highest Band Edge / Full RB

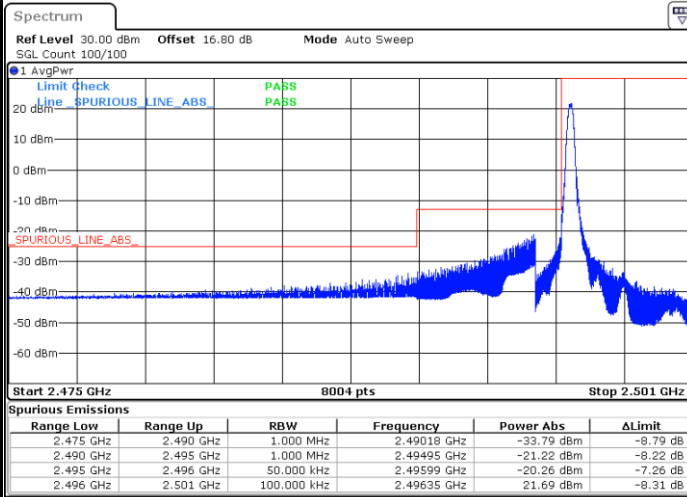


Date: 26.AUG.2023 18:05:10



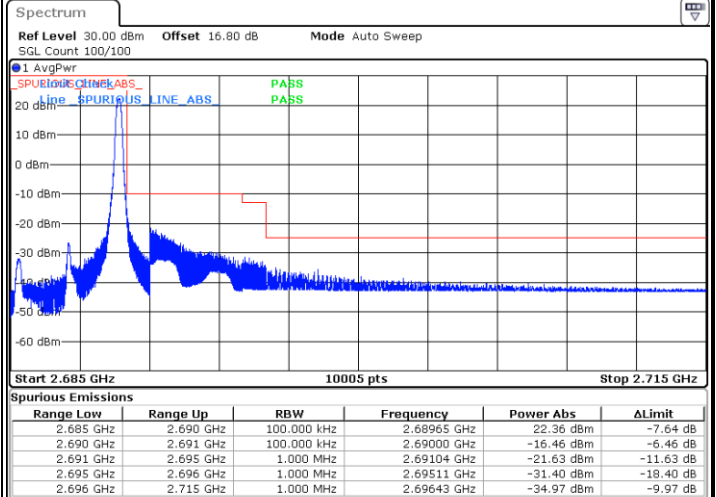
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



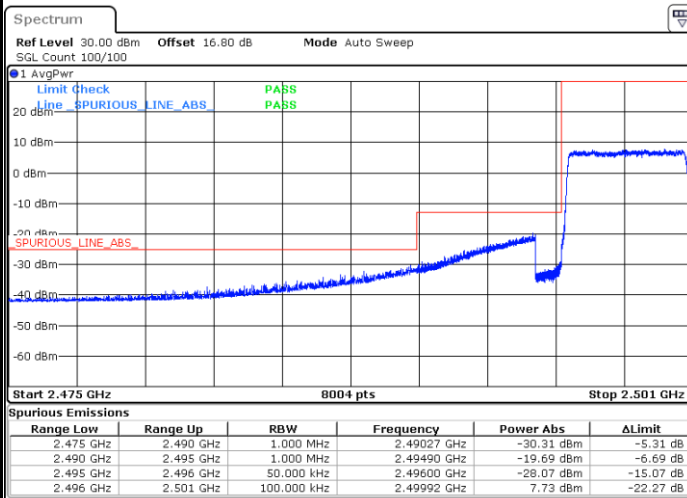
Date: 26.AUG.2023 17:49:39

Highest Band Edge / 1 RB



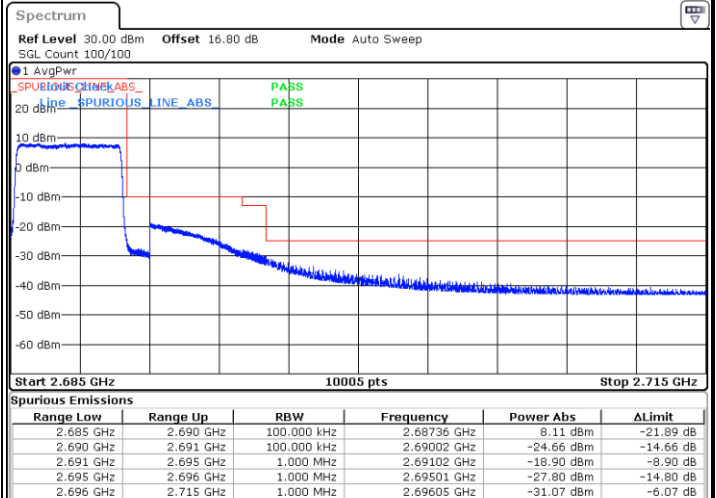
Date: 26.AUG.2023 18:10:29

Lowest Band Edge / Full RB



Date: 26.AUG.2023 17:56:47

Highest Band Edge / Full RB

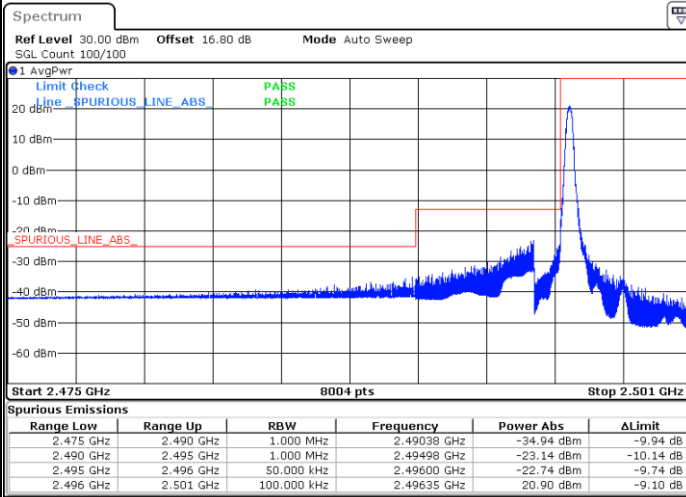


Date: 26.AUG.2023 18:06:14



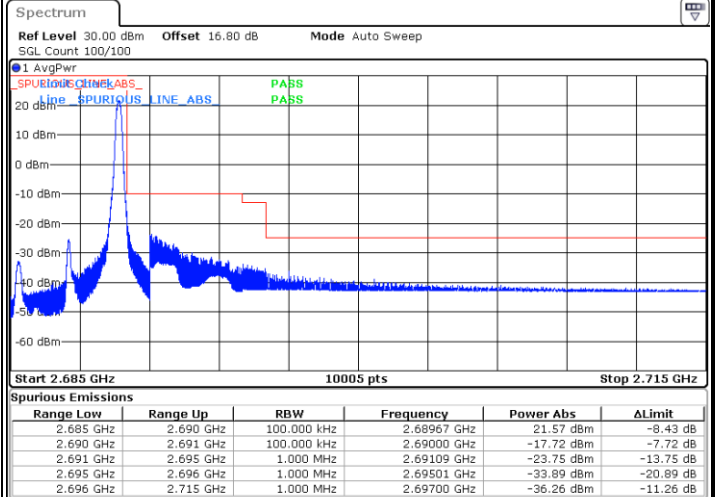
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



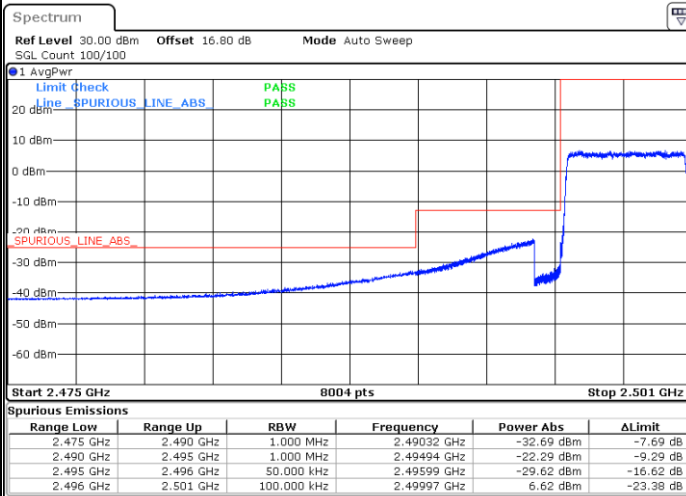
Date: 26.AUG.2023 17:52:42

Highest Band Edge / 1 RB



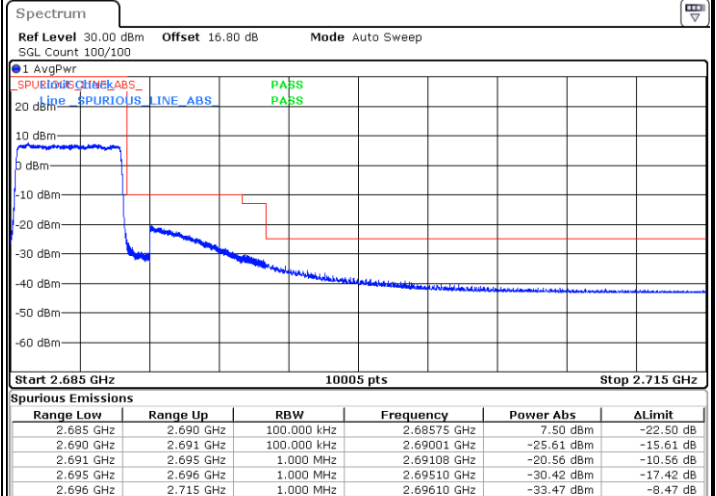
Date: 26.AUG.2023 18:11:33

Lowest Band Edge / Full RB



Date: 26.AUG.2023 17:57:43

Highest Band Edge / Full RB

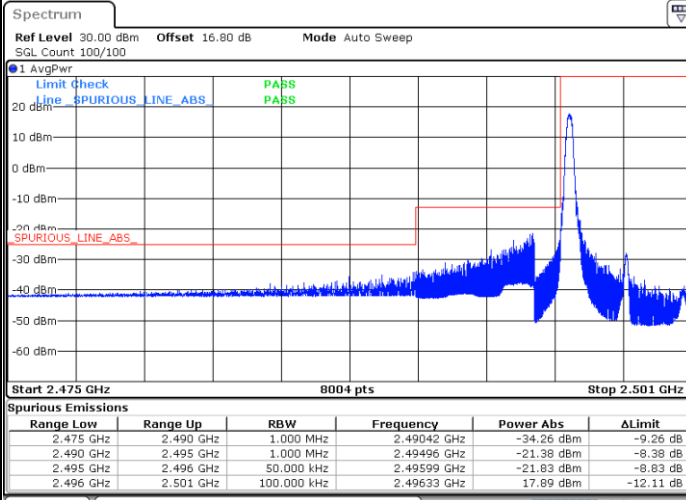


Date: 26.AUG.2023 18:07:17



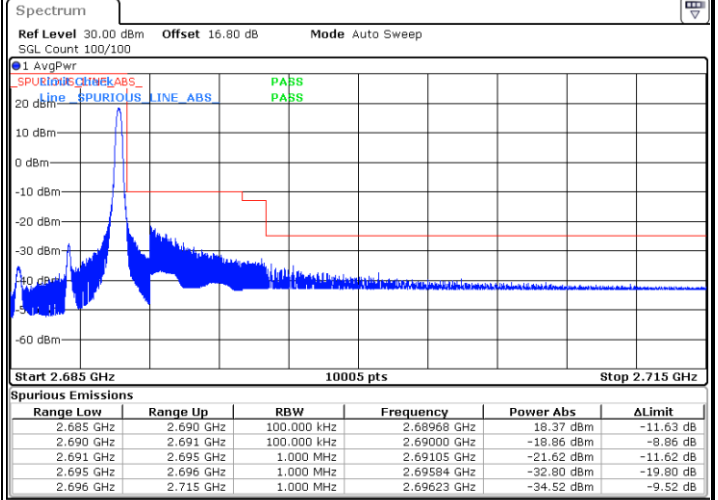
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



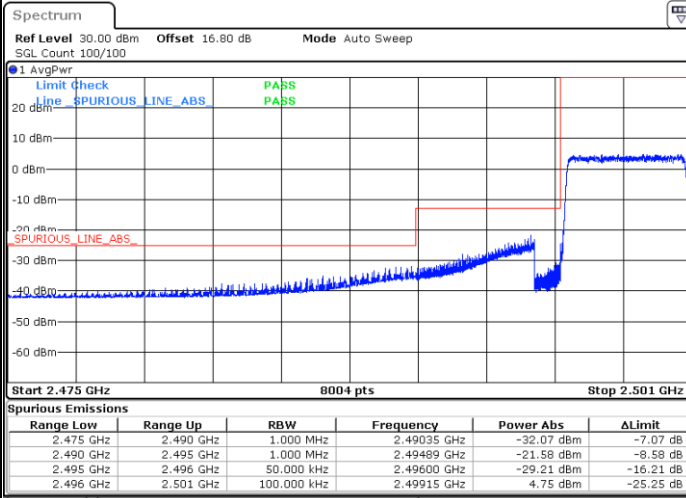
Date: 26.AUG.2023 17:53:38

Highest Band Edge / 1 RB



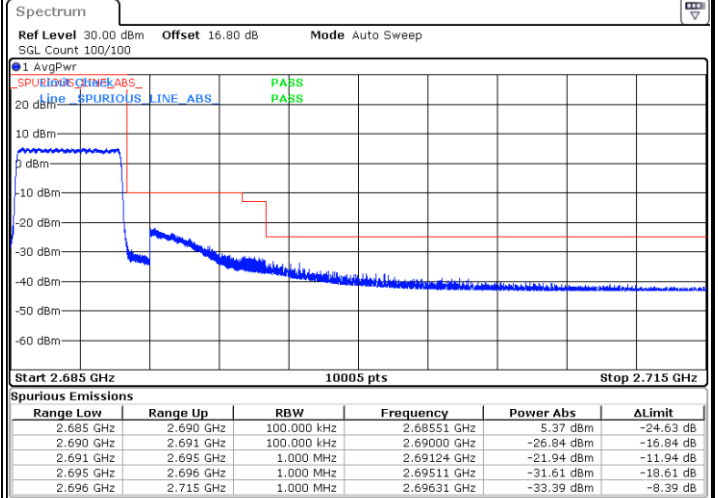
Date: 26.AUG.2023 18:12:36

Lowest Band Edge / Full RB



Date: 26.AUG.2023 17:58:38

Highest Band Edge / Full RB

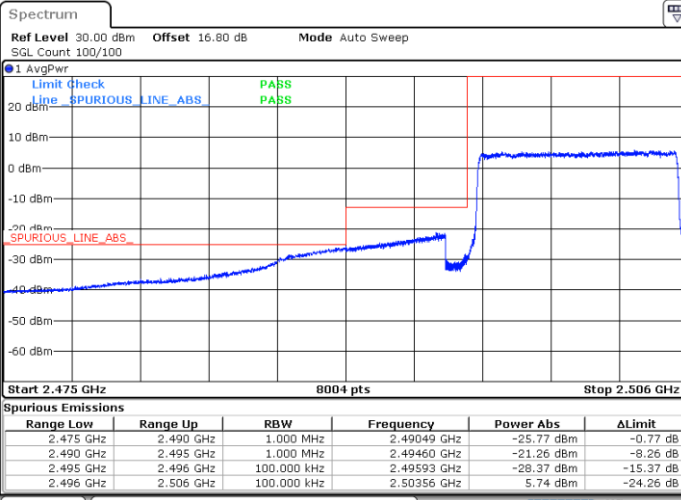


Date: 26.AUG.2023 18:08:20



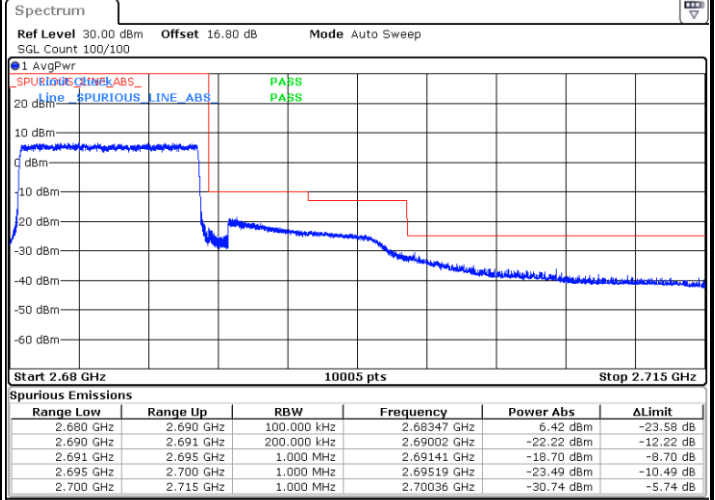
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:14:50

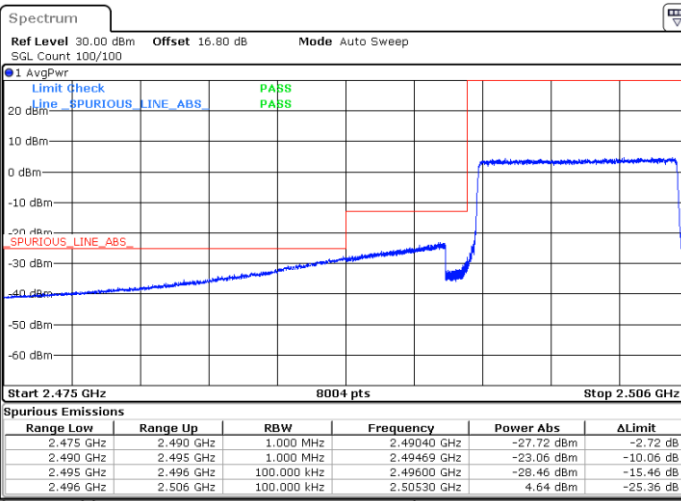
Highest Band Edge / Full RB



Date: 26.AUG.2023 18:22:00

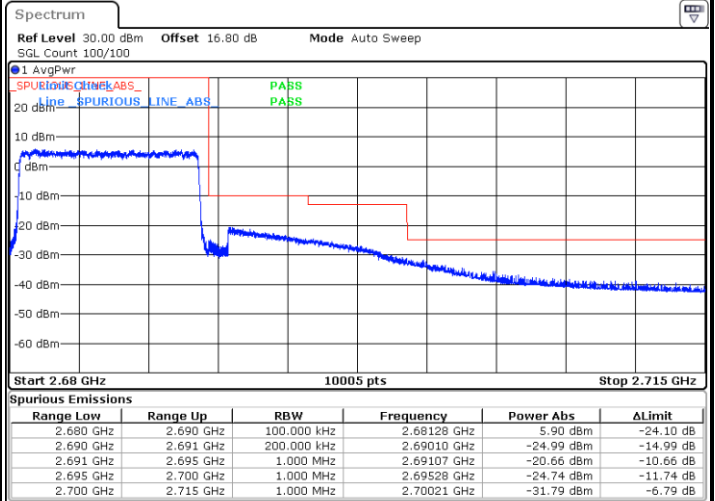
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:15:46

Highest Band Edge / Full RB

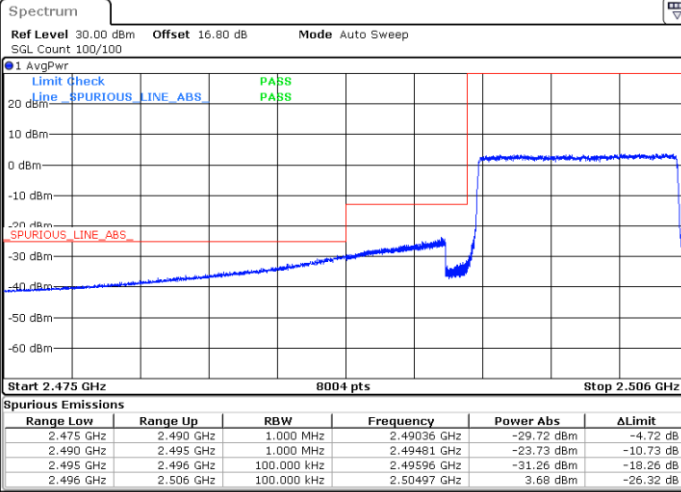


Date: 26.AUG.2023 18:22:55



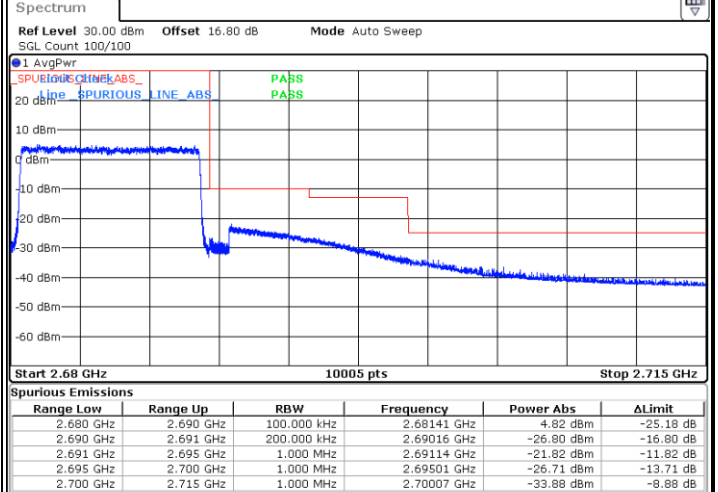
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:16:41

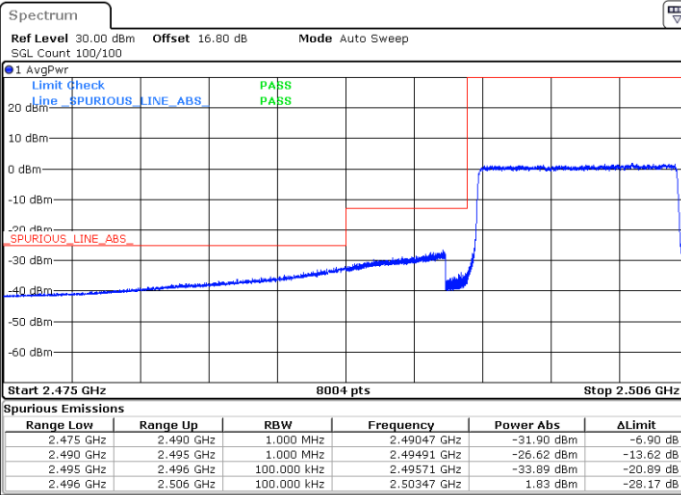
Highest Band Edge / Full RB



Date: 26.AUG.2023 18:23:50

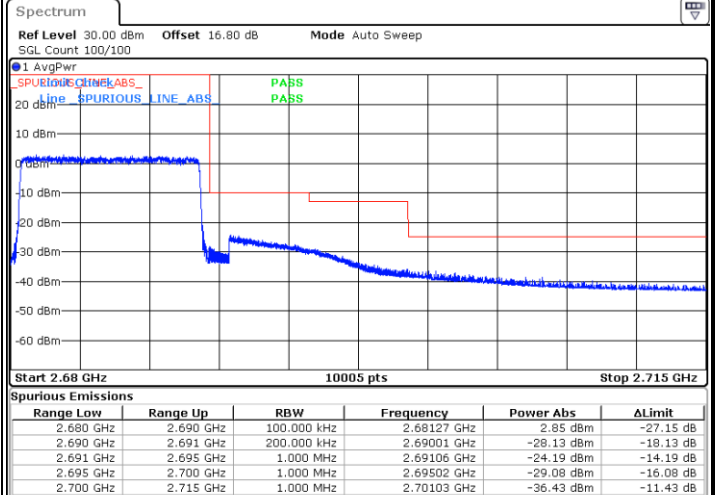
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:17:37

Highest Band Edge / Full RB

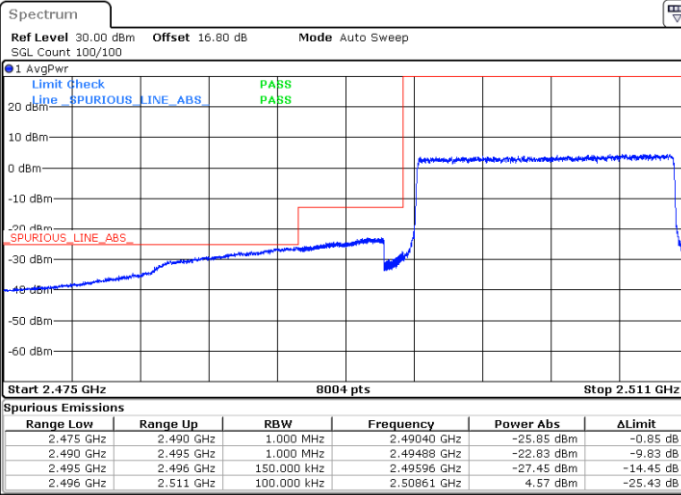


Date: 26.AUG.2023 18:24:46



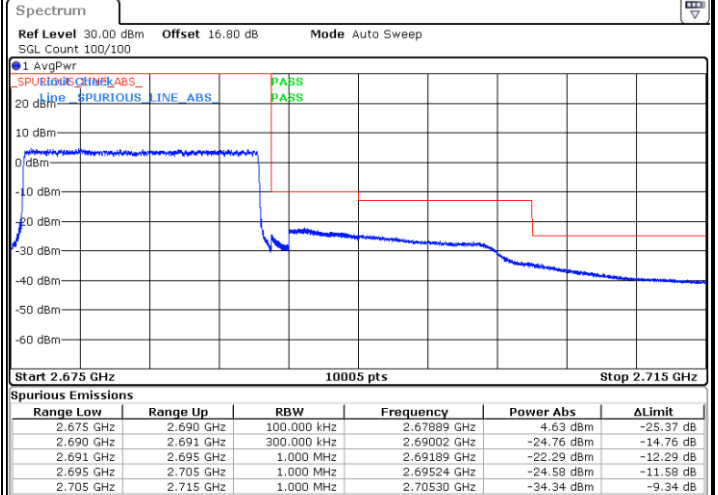
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:26:41

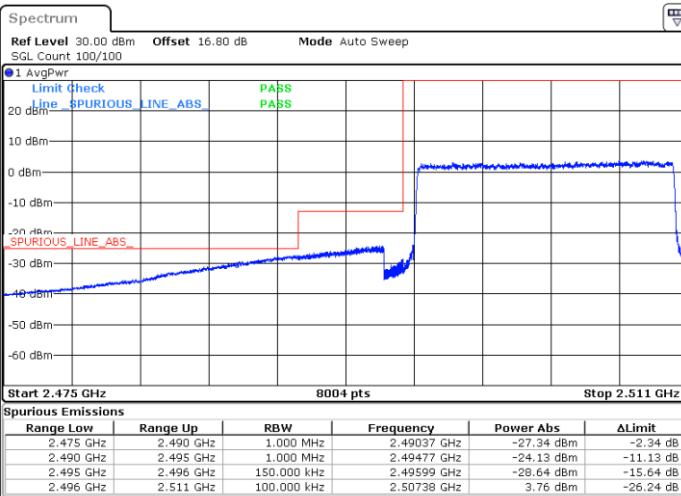
Highest Band Edge / Full RB



Date: 26.AUG.2023 18:33:50

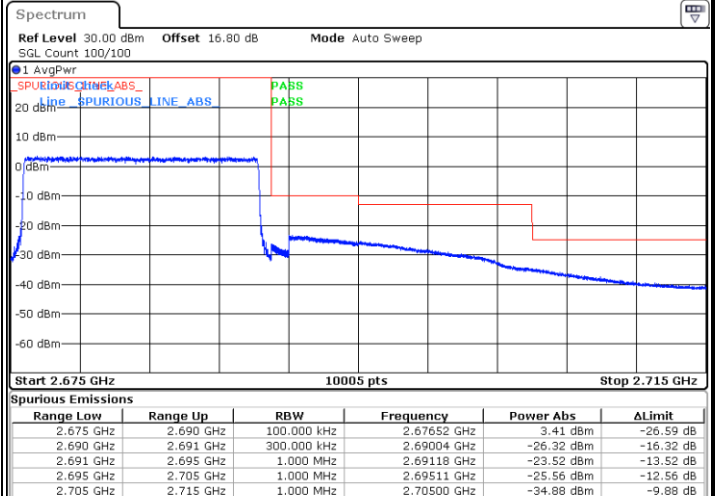
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:27:37

Highest Band Edge / Full RB

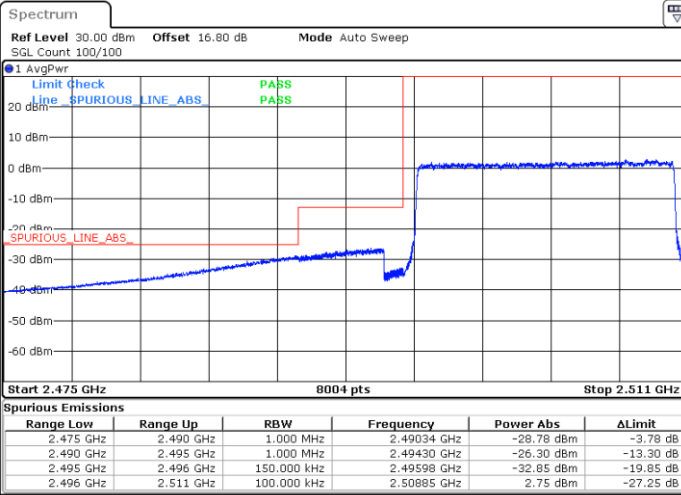


Date: 26.AUG.2023 18:34:46



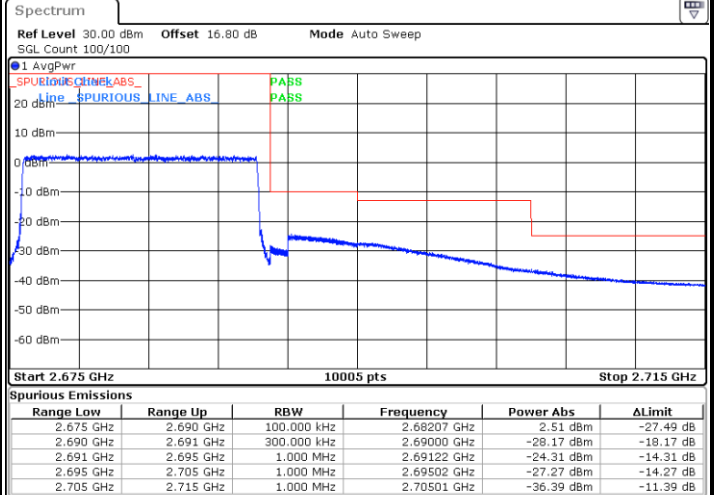
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:28:33

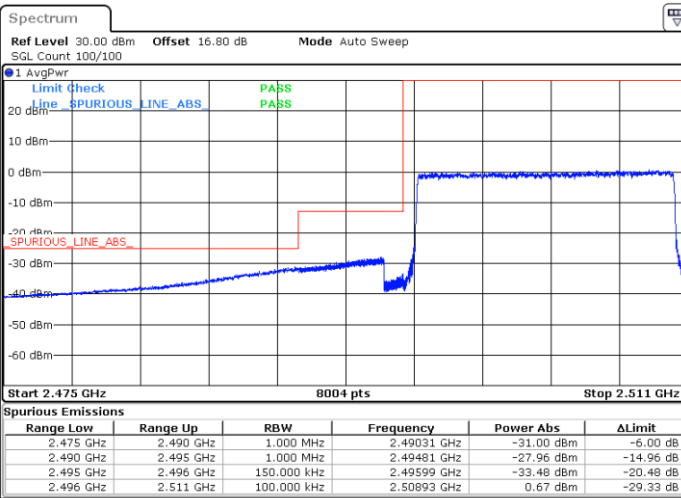
Highest Band Edge / Full RB



Date: 26.AUG.2023 18:35:41

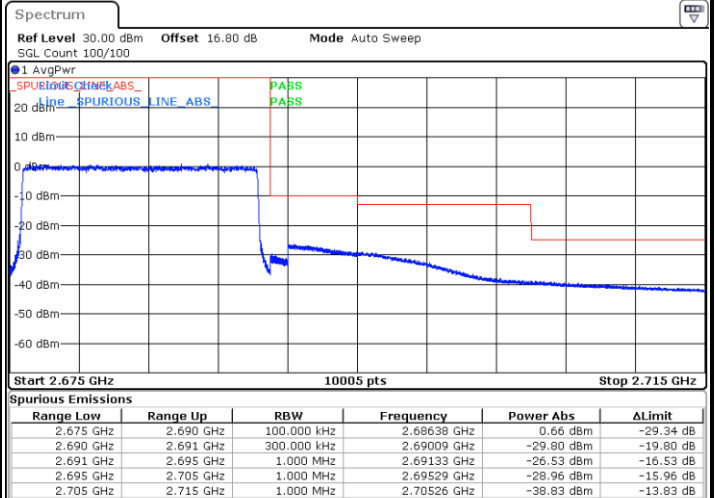
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:29:28

Highest Band Edge / Full RB

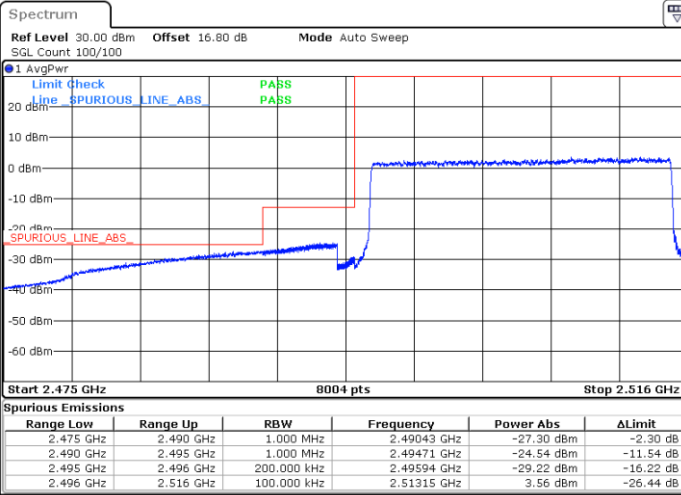


Date: 26.AUG.2023 18:36:36



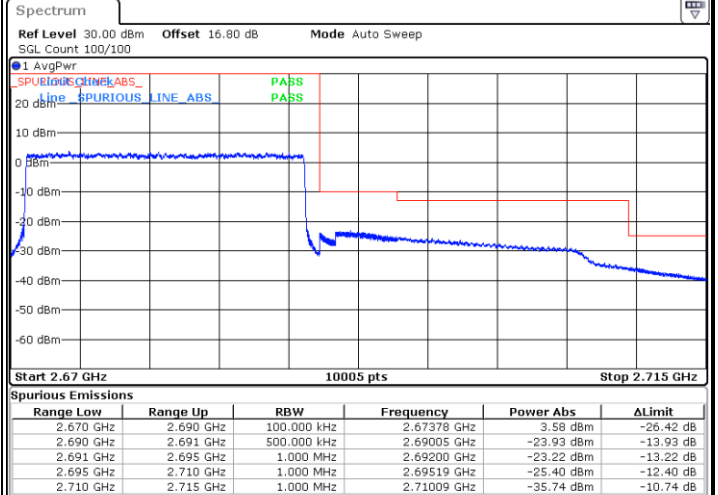
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:48:42

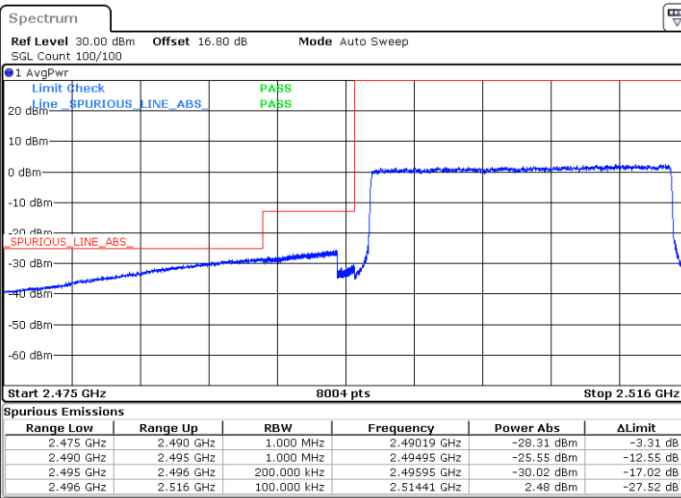
Highest Band Edge / Full RB



Date: 26.AUG.2023 18:57:34

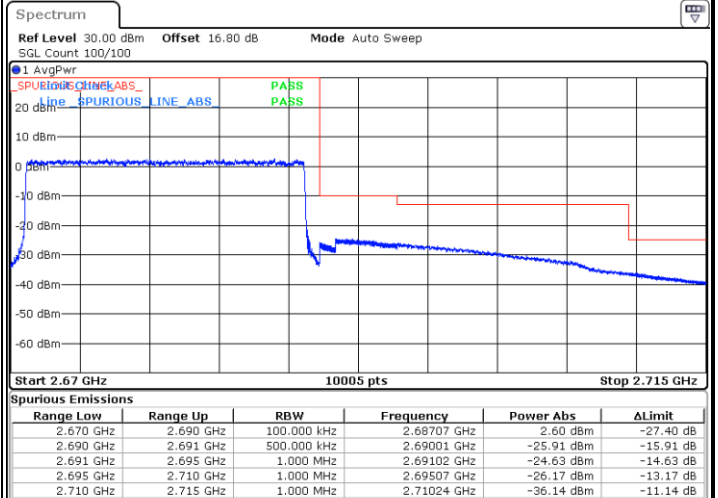
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:49:38

Highest Band Edge / Full RB

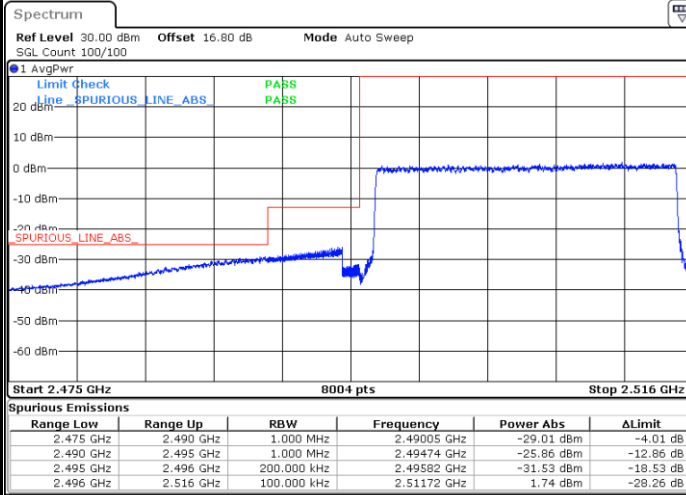


Date: 26.AUG.2023 18:58:30



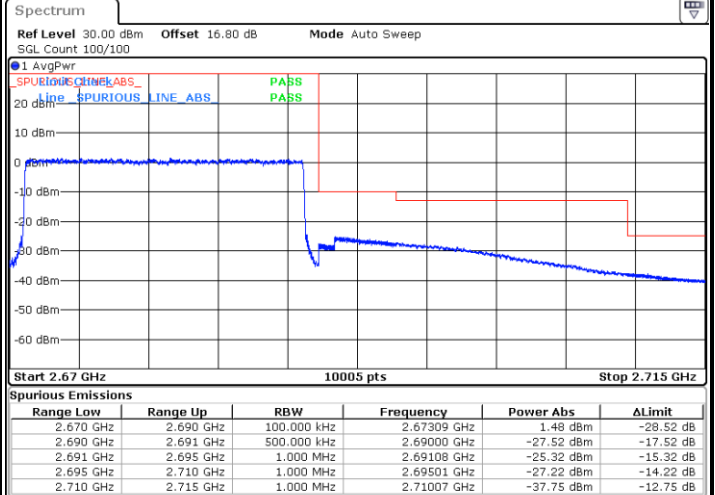
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:50:33

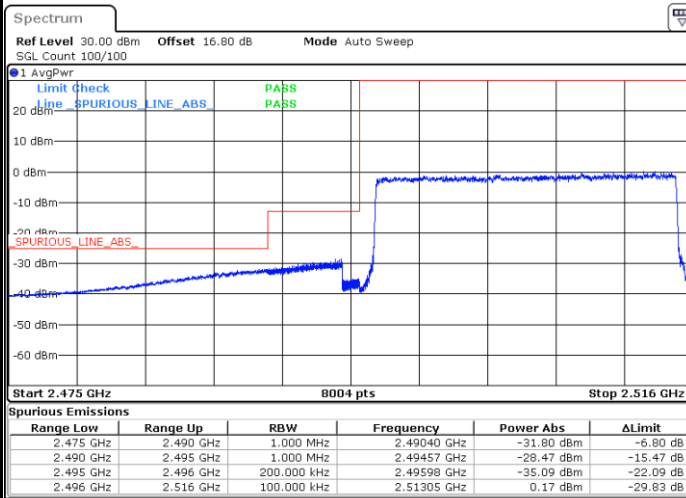
Highest Band Edge / Full RB



Date: 26.AUG.2023 18:59:25

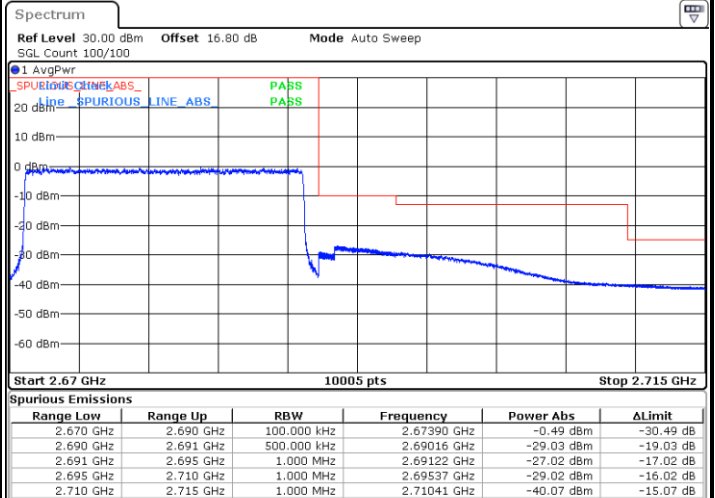
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 26.AUG.2023 18:51:29

Highest Band Edge / Full RB



Date: 26.AUG.2023 19:00:20

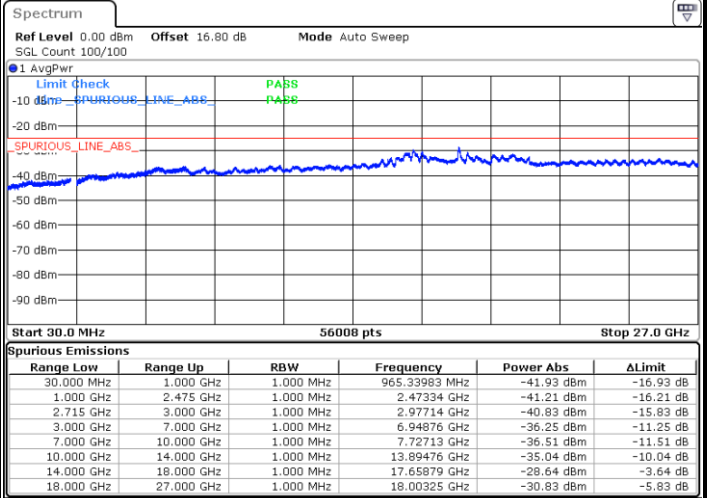
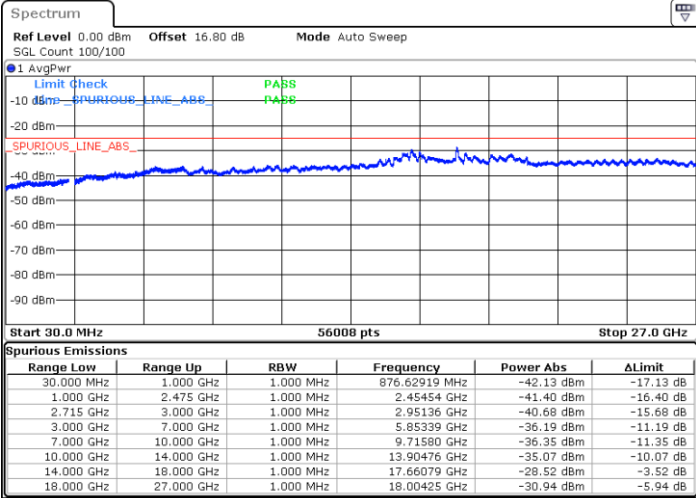


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

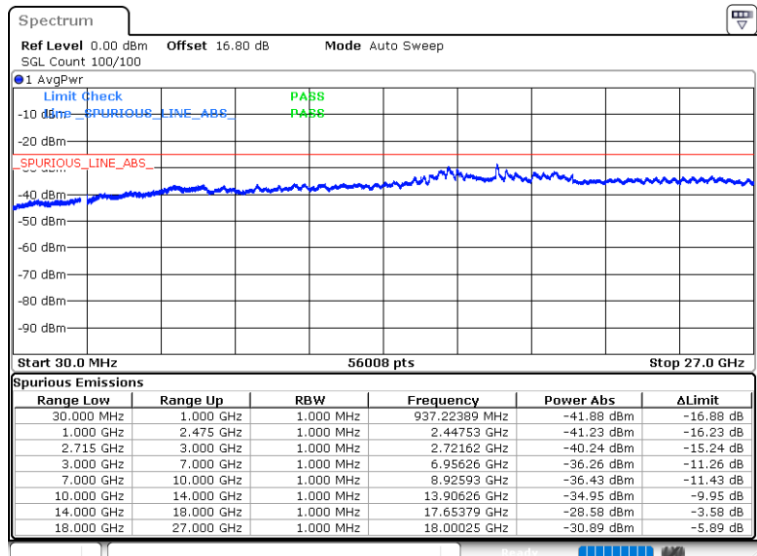
Middle Channel / QPSK



Date: 26.AUG.2023 17:54:55

Date: 26.AUG.2023 18:00:59

Highest Channel / QPSK



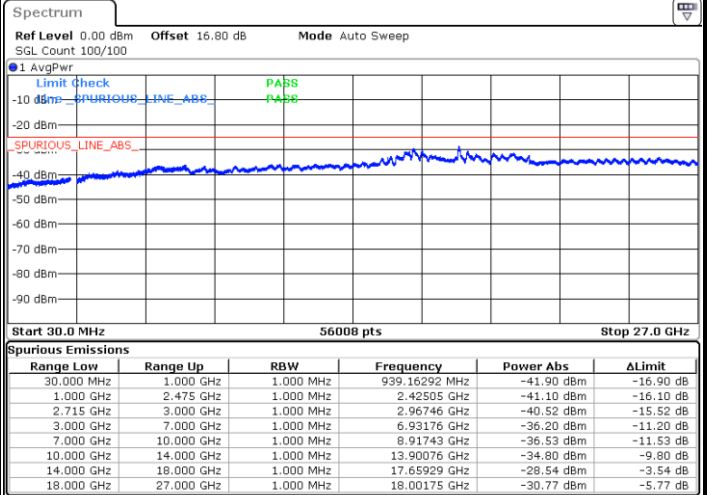
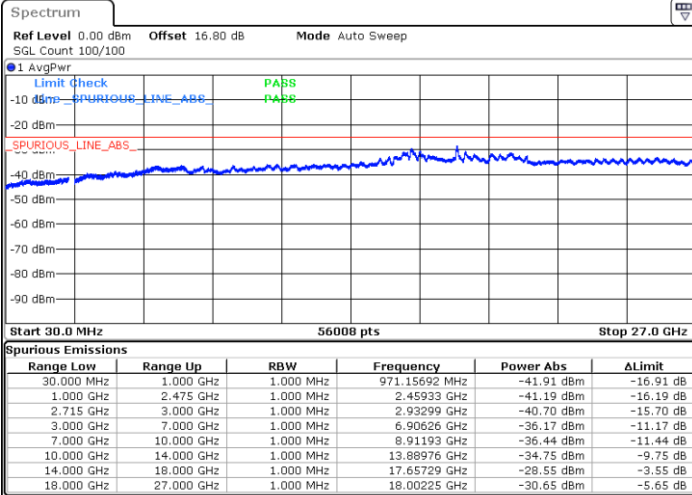
Date: 26.AUG.2023 18:13:53



LTE Band 41 / 10MHz

Lowest Channel / QPSK

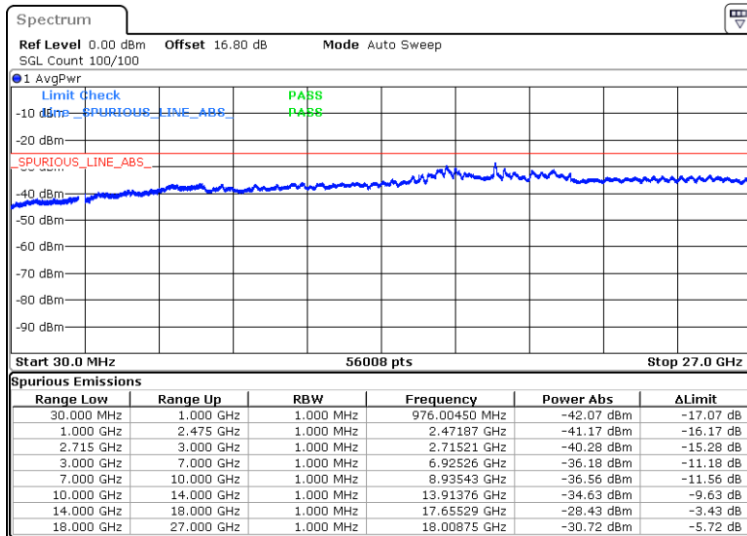
Middle Channel / QPSK



Date: 26.AUG.2023 19:08:46

Date: 26.AUG.2023 19:10:01

Highest Channel / QPSK



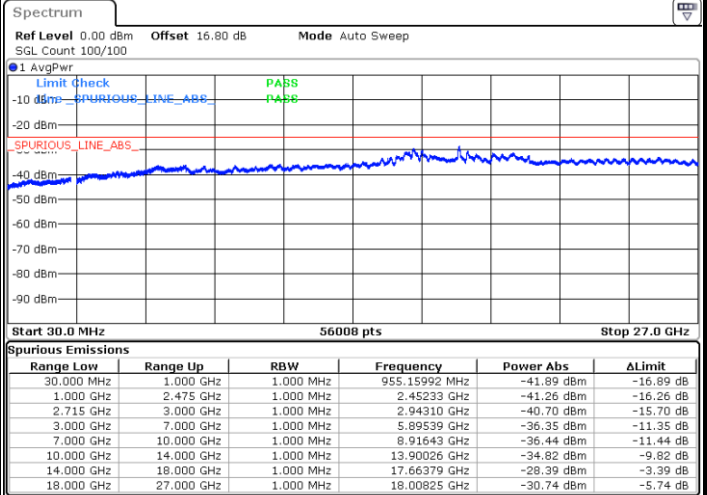
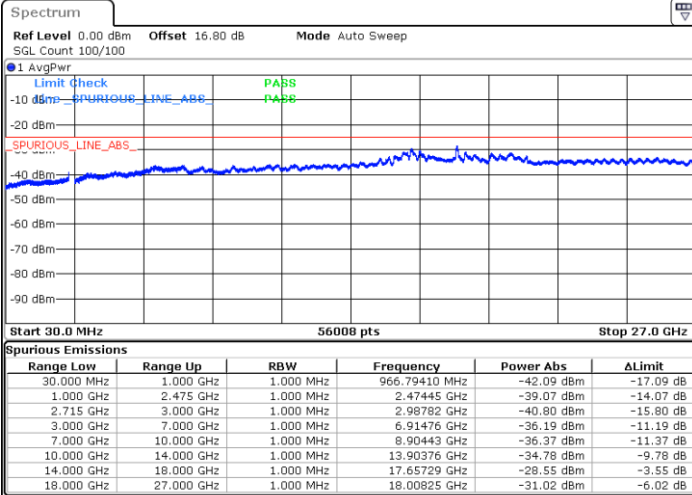
Date: 26.AUG.2023 19:11:15



LTE Band 41 / 15MHz

Lowest Channel / QPSK

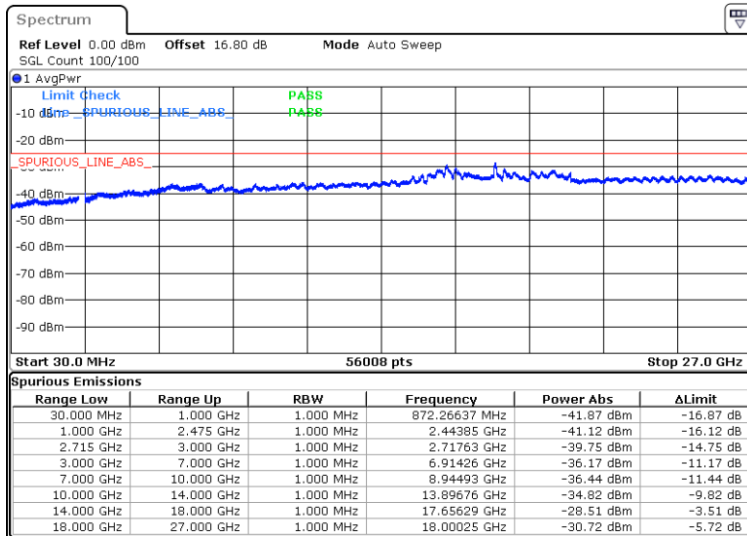
Middle Channel / QPSK



Date: 26.AUG.2023 19:12:31

Date: 26.AUG.2023 19:13:45

Highest Channel / QPSK



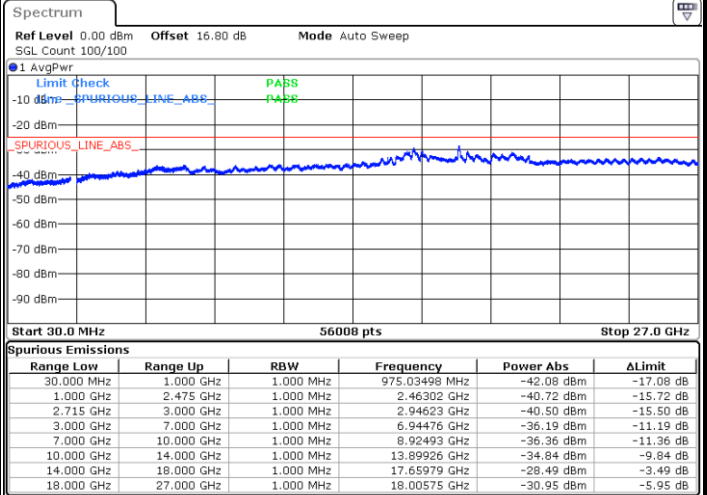
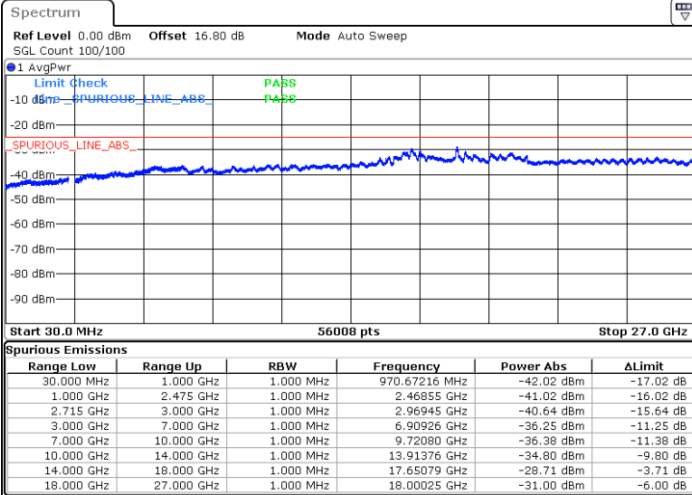
Date: 26.AUG.2023 19:14:59



LTE Band 41 / 20MHz

Lowest Channel / QPSK

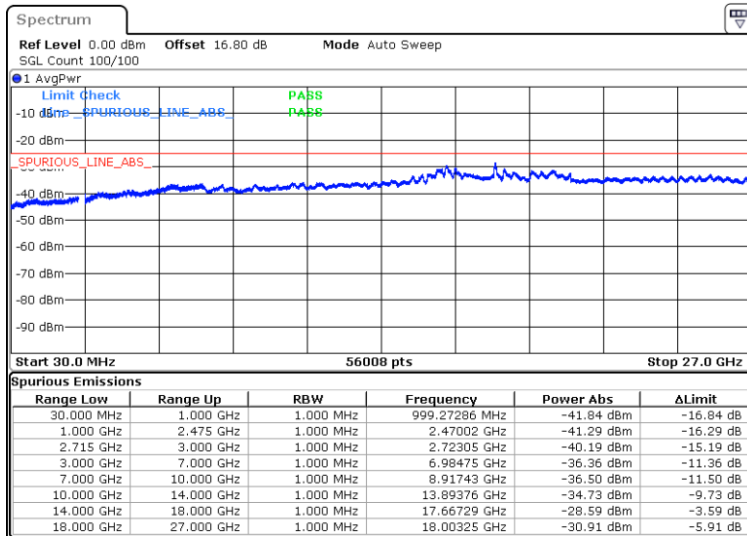
Middle Channel / QPSK



Date: 26.AUG.2023 19:16:15

Date: 26.AUG.2023 19:17:29

Highest Channel / QPSK



Date: 26.AUG.2023 19:18:43



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0051	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0026	

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 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.78	25.13	29.79	25.28	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.76	24.83	29.97	35.80	39.88

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.83	25.03	29.85	25.13	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	24.93	29.97	34.97	39.80

Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.78	25.18	29.85	25.03	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	24.98	29.91	34.83	39.96

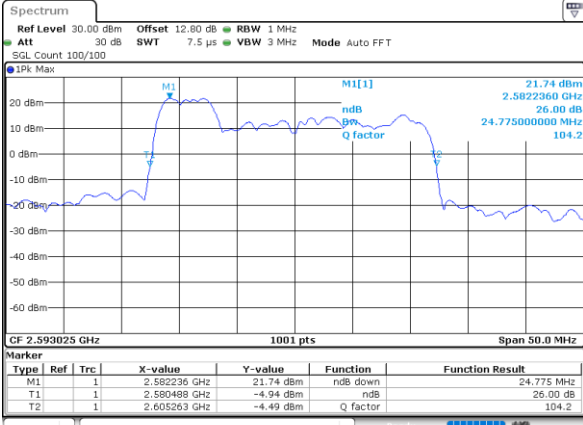
Mode	LTE Band 41C : 26dB BW(MHz)				
256QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.63	25.03	29.91	25.08	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.97	24.83	30.15	35.04	39.80



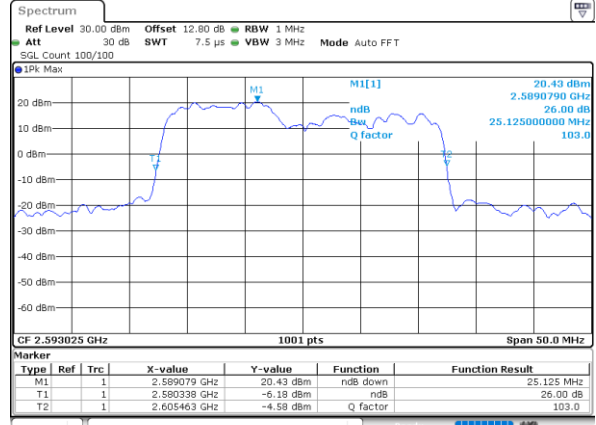
LTE Band 41C

QPSK

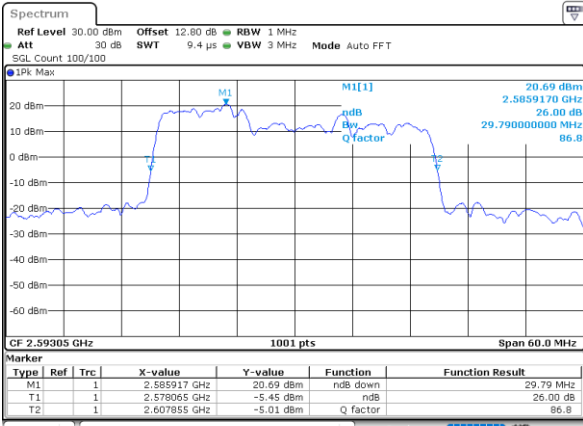
Middle Channel / 5MHz+20MHz



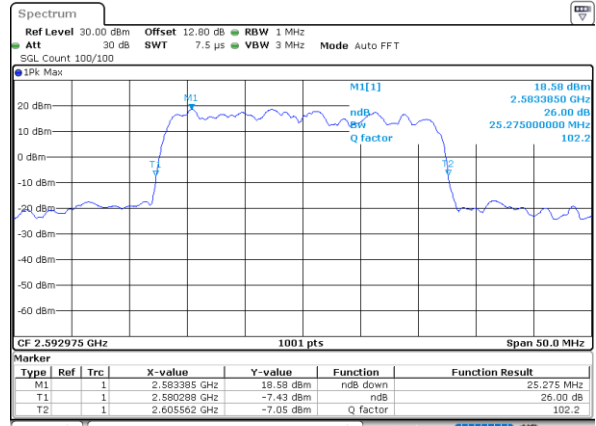
Middle Channel / 10MHz+15MHz



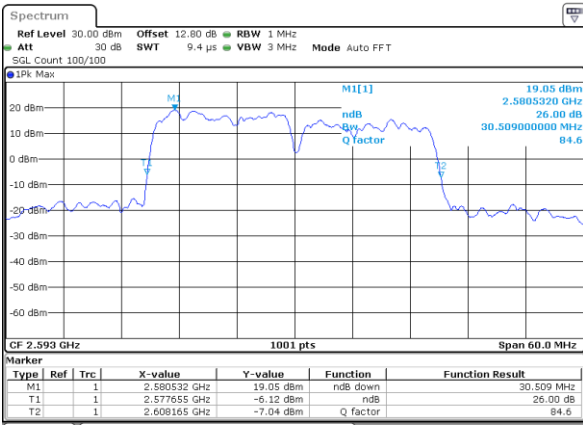
Middle Channel / 10MHz+20MHz



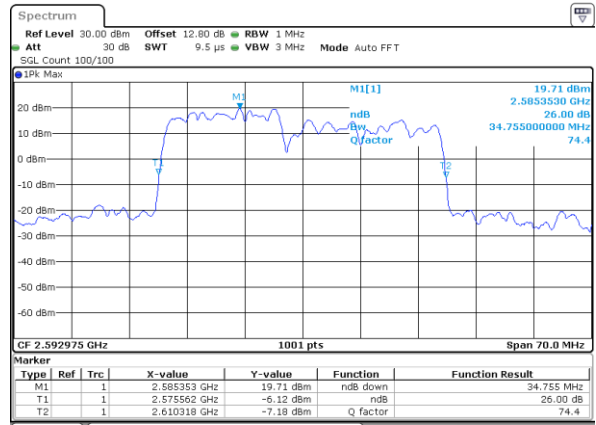
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

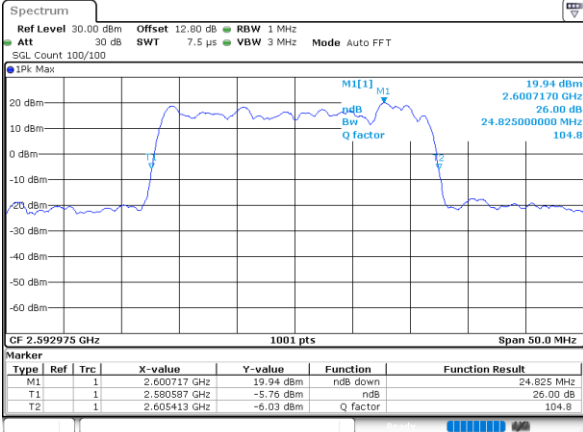




LTE Band 41C

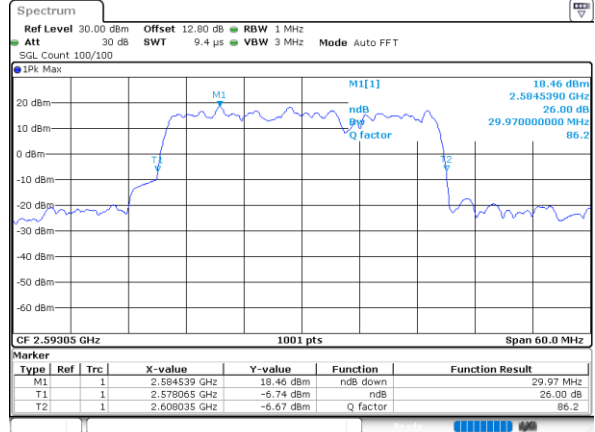
QPSK

Middle Channel / 20MHz+5MHz



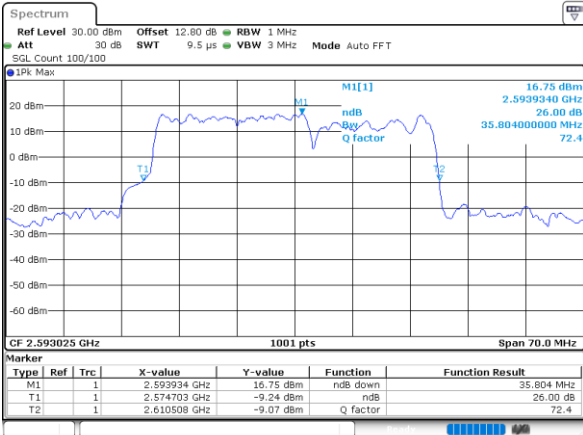
Date: 23.AUG.2023 11:46:09

Middle Channel / 20MHz+10MHz



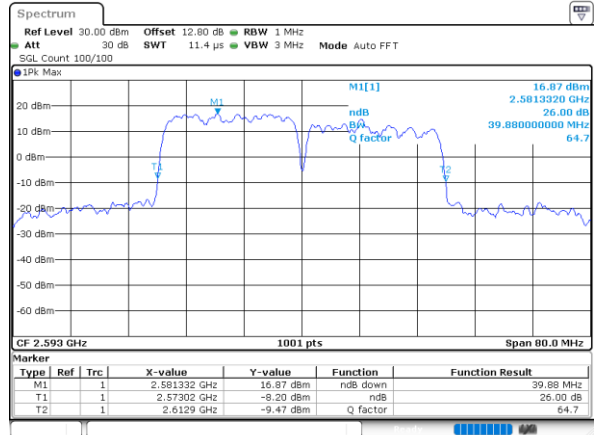
Date: 23.AUG.2023 12:07:28

Middle Channel / 20MHz+15MHz



Date: 23.AUG.2023 12:21:57

Middle Channel / 20MHz+20MHz



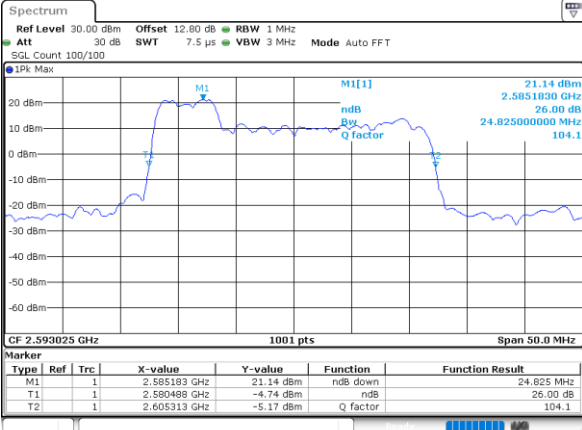
Date: 23.AUG.2023 12:26:17



LTE Band 41C

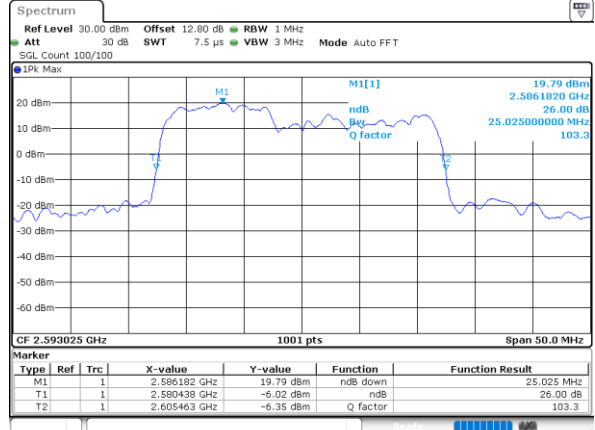
16QAM

Middle Channel / 5MHz+20MHz



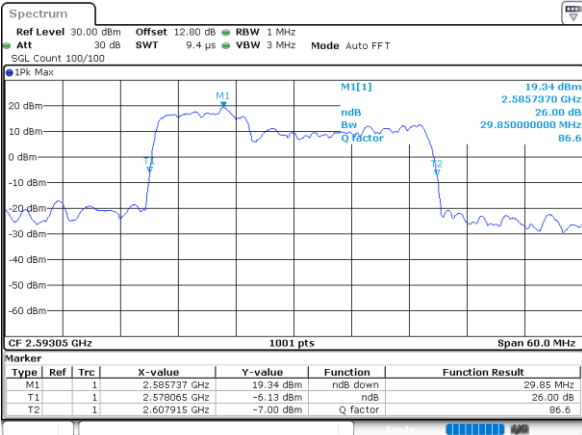
Date: 23_AUG_2023 11:40:28

Middle Channel / 10MHz+15MHz



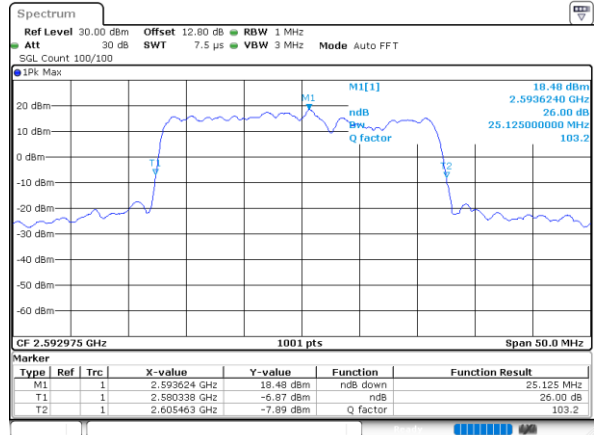
Date: 23_AUG_2023 11:50:35

Middle Channel / 10MHz+20MHz



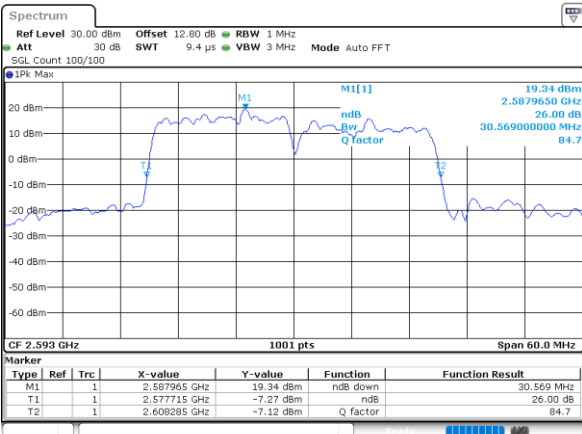
Date: 23_AUG_2023 12:01:13

Middle Channel / 15MHz+10MHz



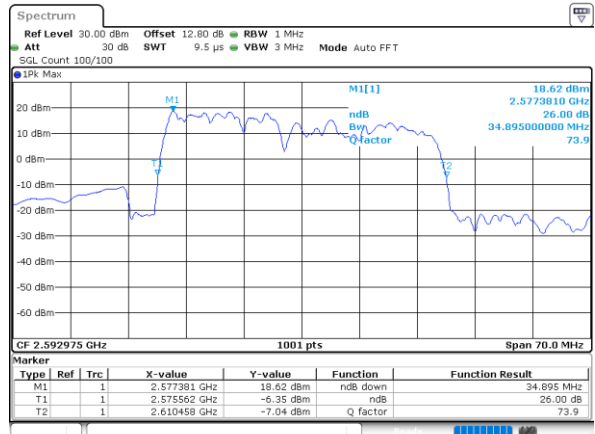
Date: 23_AUG_2023 11:55:39

Middle Channel / 15MHz+15MHz



Date: 23_AUG_2023 12:11:19

Middle Channel / 15MHz+20MHz



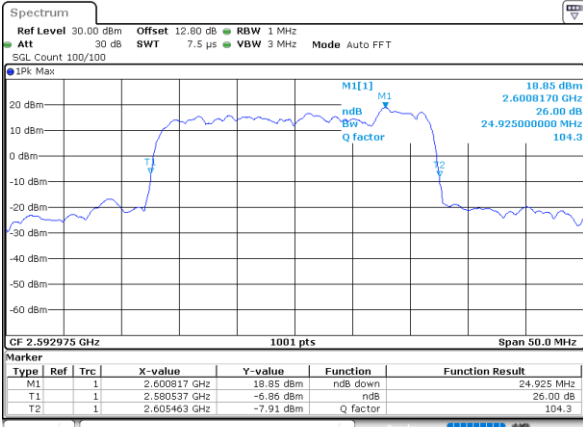
Date: 23_AUG_2023 12:16:16



LTE Band 41C

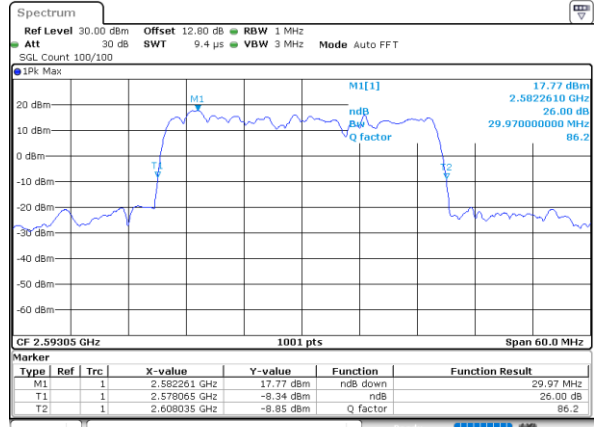
16QAM

Middle Channel / 20MHz+5MHz



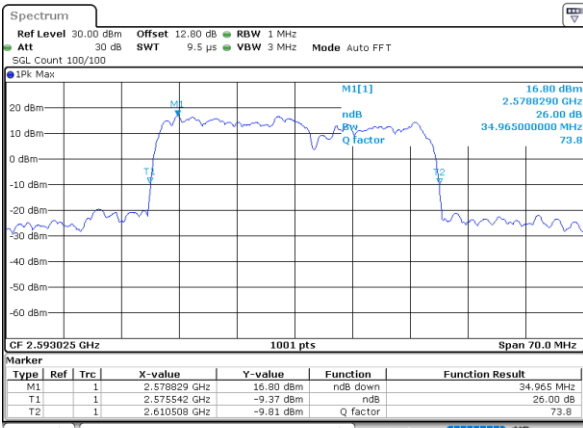
Date: 23.AUG.2023 11:45:32

Middle Channel / 20MHz+10MHz



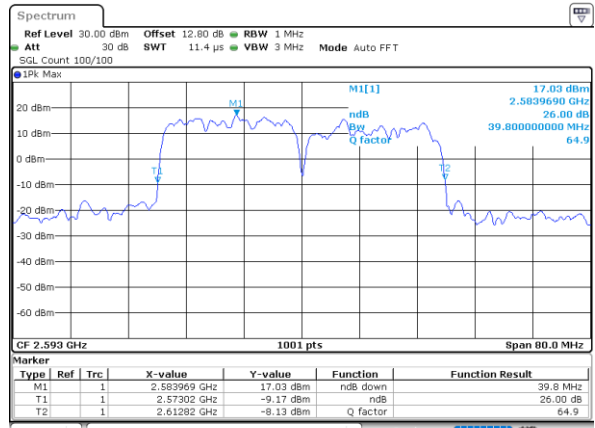
Date: 23.AUG.2023 12:06:52

Middle Channel / 20MHz+15MHz



Date: 23.AUG.2023 12:21:20

Middle Channel / 20MHz+20MHz



Date: 23.AUG.2023 12:25:45