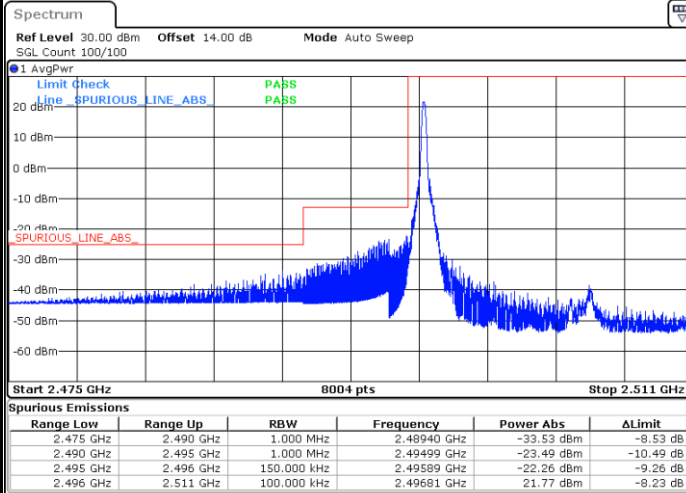


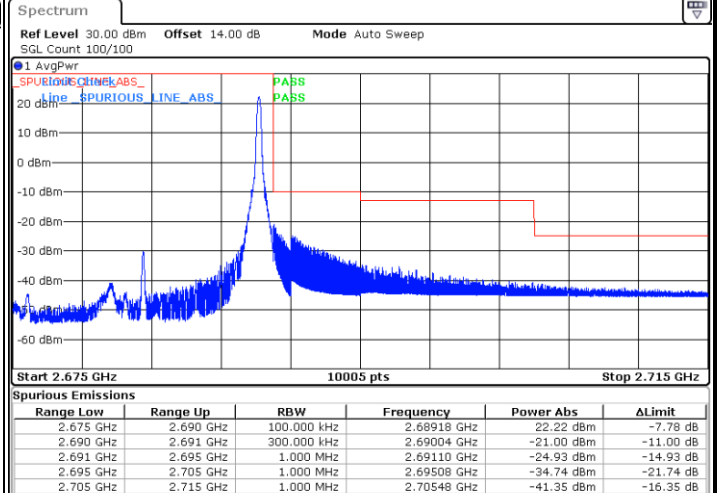


LTE Band 41 / 15MHz / QPSK

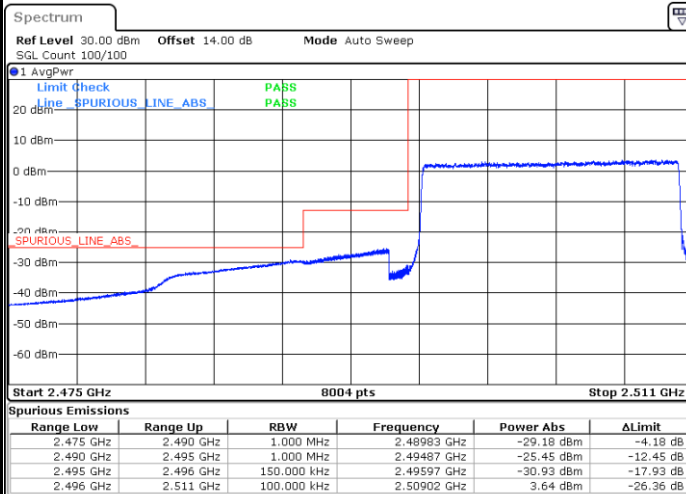
Lowest Band Edge / 1 RB



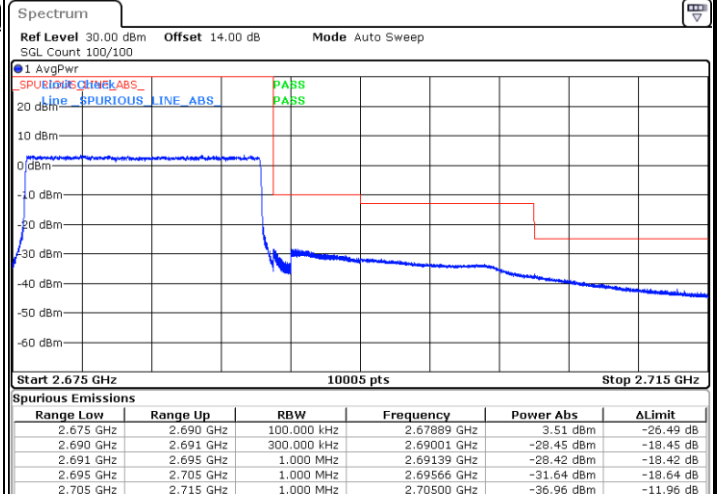
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



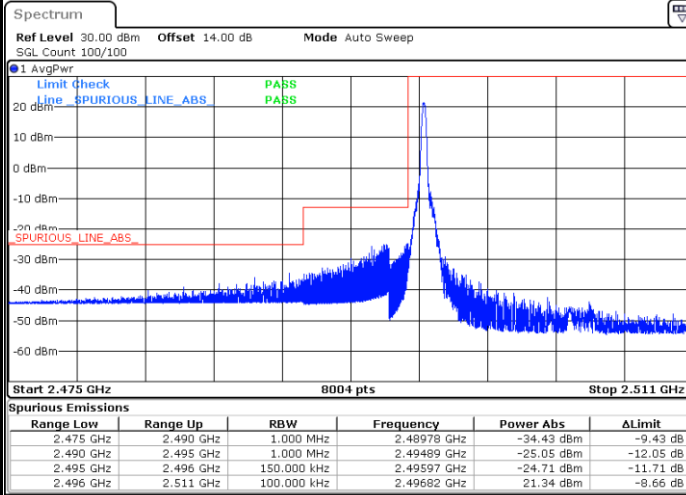
Highest Band Edge / Full RB





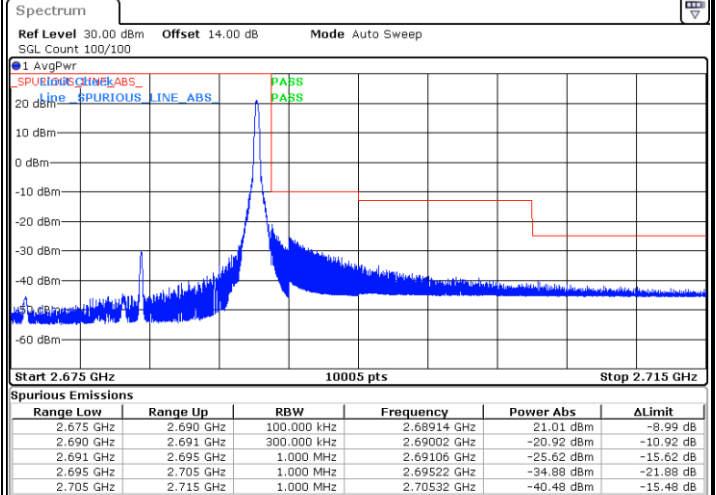
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



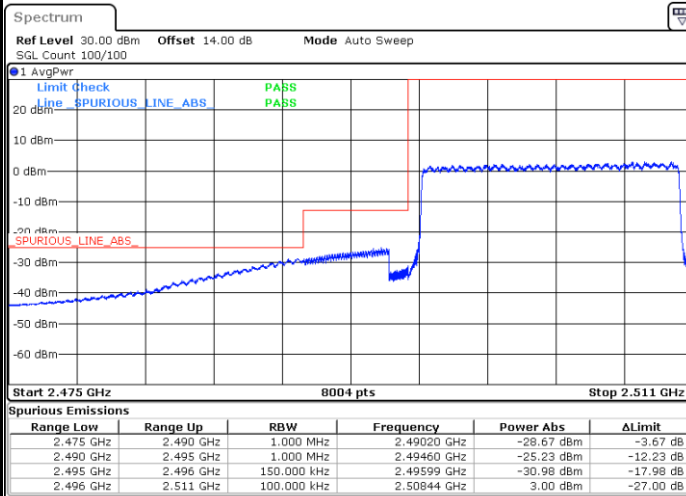
Date: 1.JUN.2022 19:32:28

Highest Band Edge / 1 RB



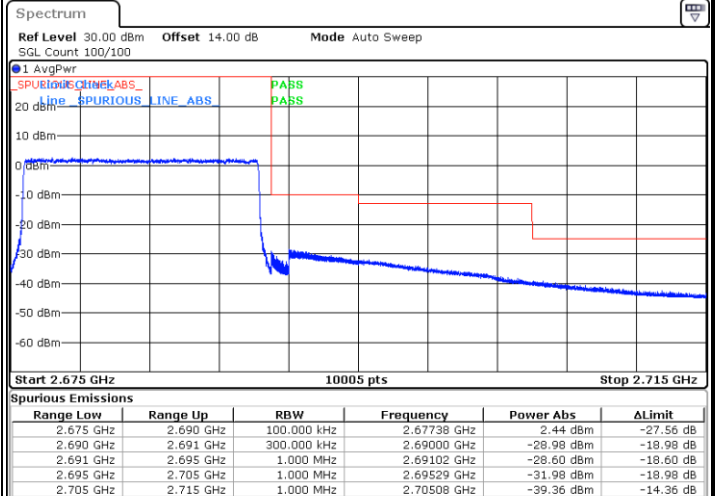
Date: 1.JUN.2022 19:36:05

Lowest Band Edge / Full RB



Date: 1.JUN.2022 19:34:17

Highest Band Edge / Full RB

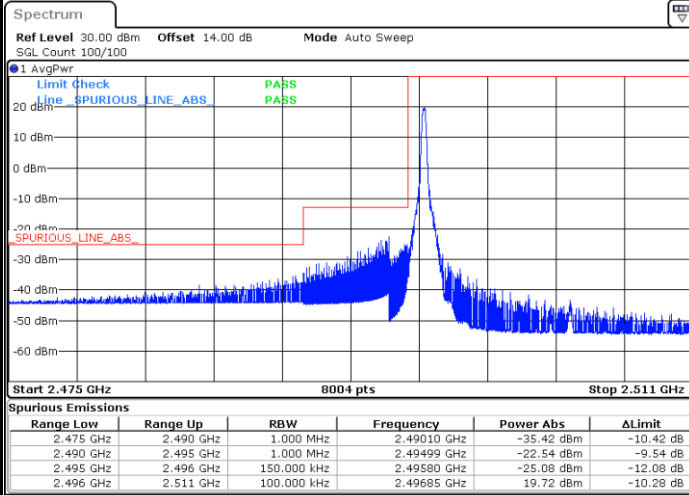


Date: 1.JUN.2022 19:37:54



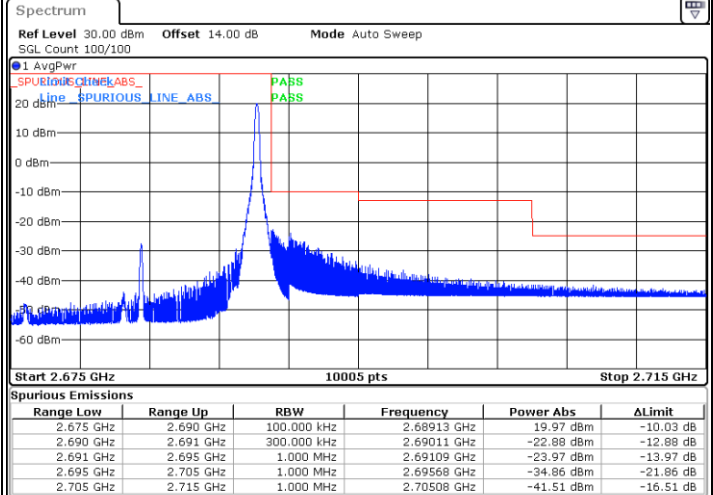
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



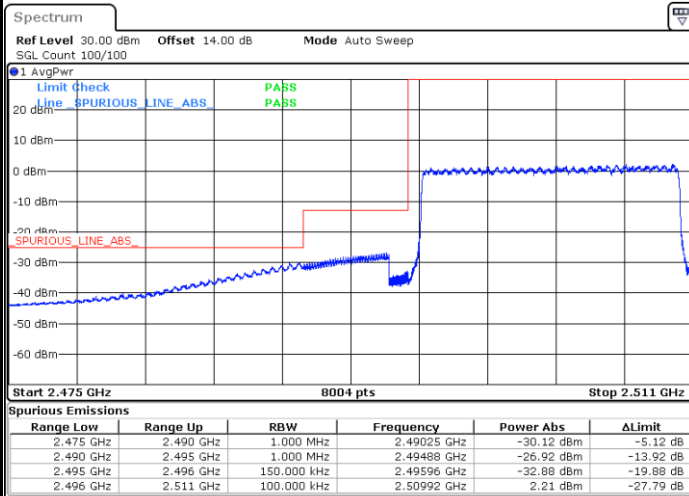
Date: 1.JUN.2022 19:27:57

Highest Band Edge / 1 RB



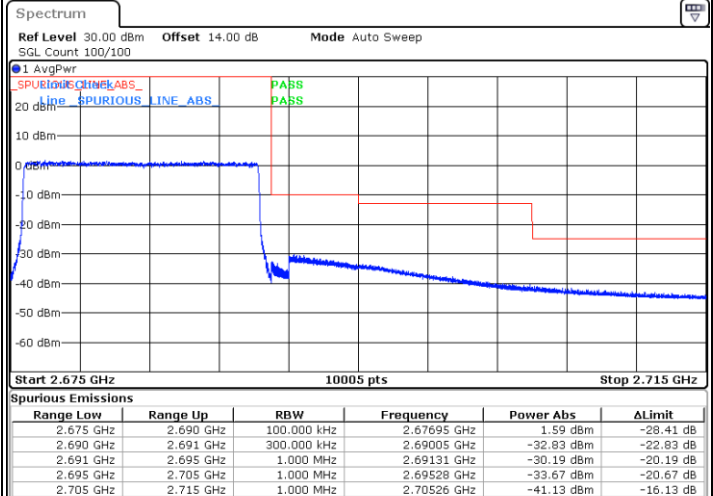
Date: 1.JUN.2022 19:29:45

Lowest Band Edge / Full RB



Date: 1.JUN.2022 19:28:51

Highest Band Edge / Full RB

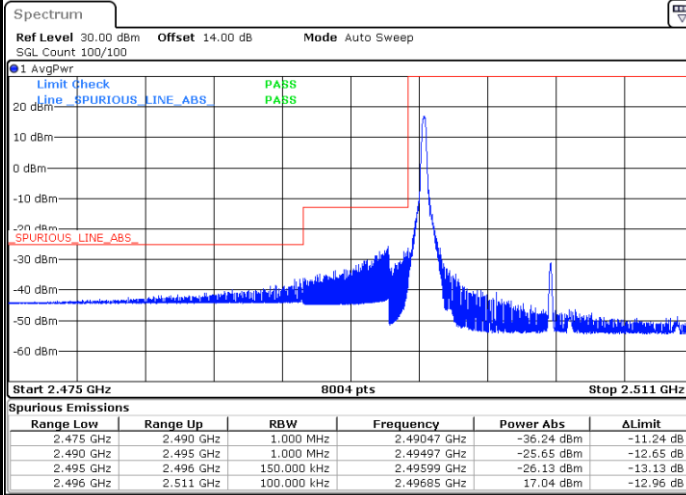


Date: 1.JUN.2022 19:30:39

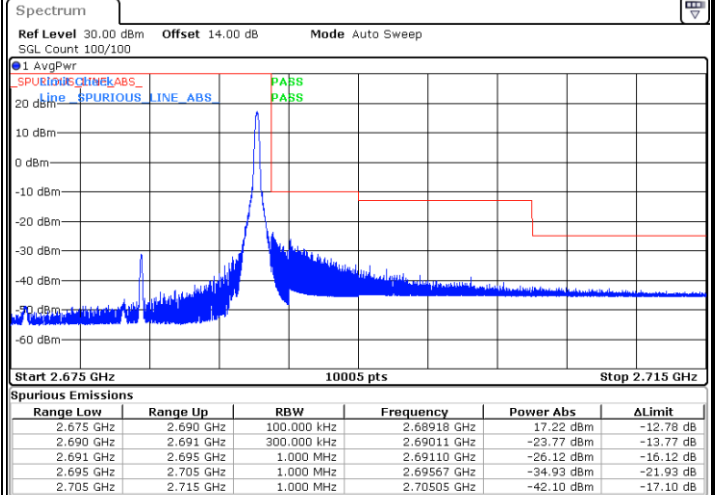


LTE Band 41 / 15MHz / 256QAM

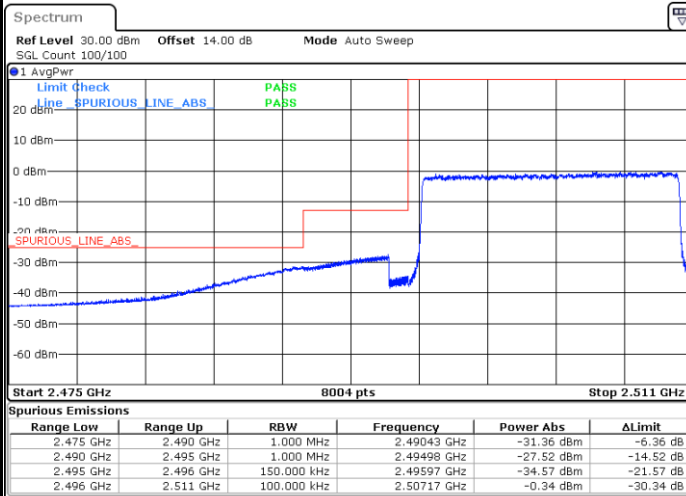
Lowest Band Edge / 1 RB



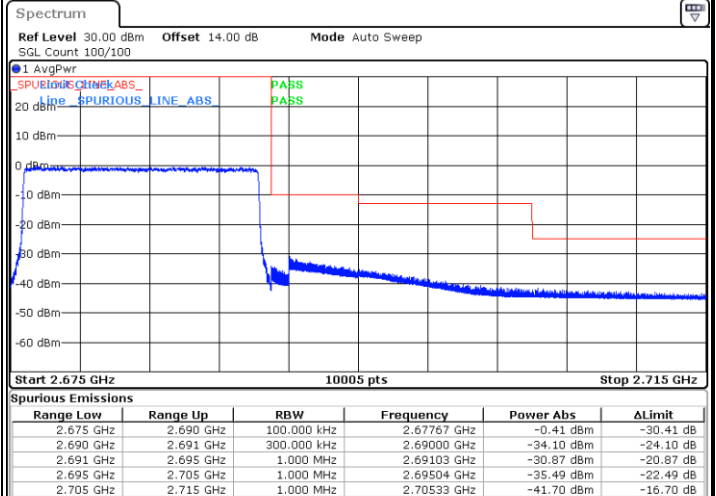
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



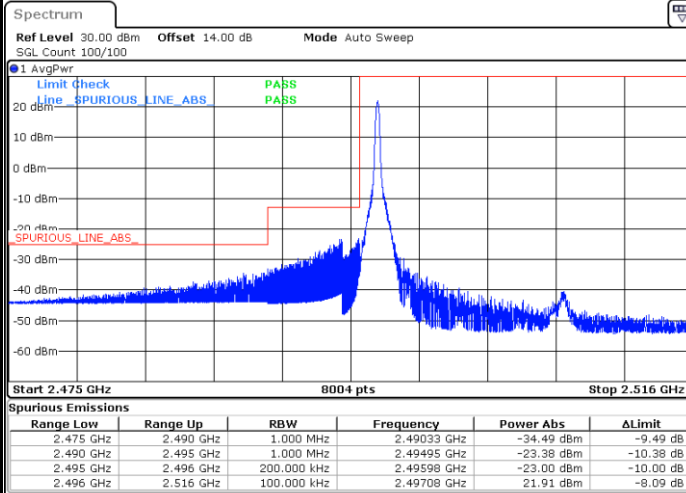
Highest Band Edge / Full RB





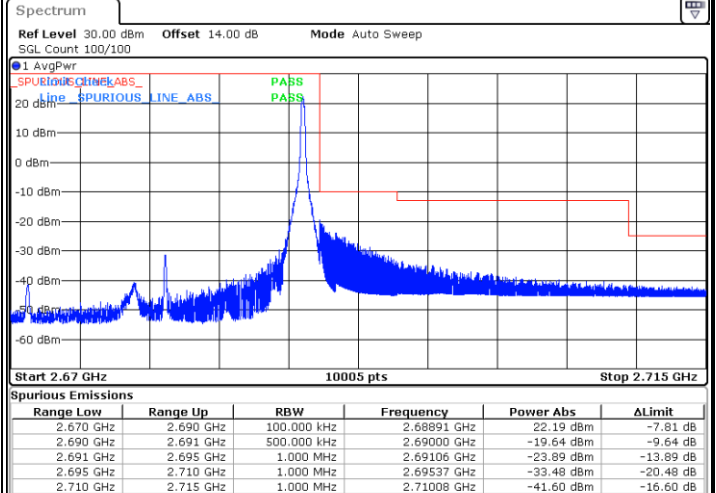
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



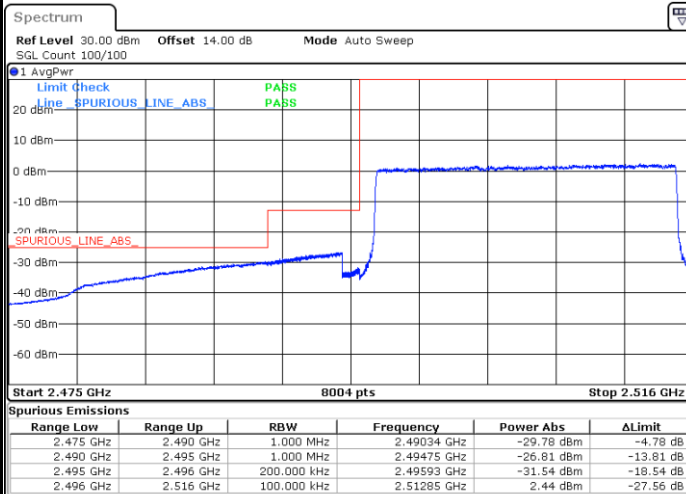
Date: 1.JUN.2022 19:42:28

Highest Band Edge / 1 RB



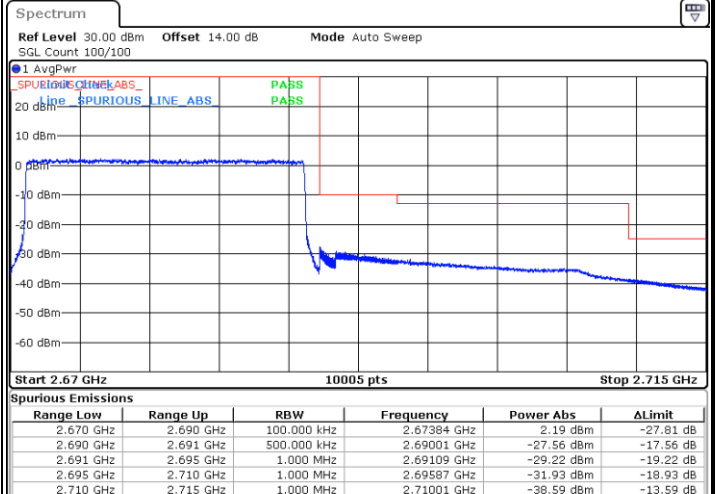
Date: 1.JUN.2022 19:46:05

Lowest Band Edge / Full RB



Date: 1.JUN.2022 19:44:17

Highest Band Edge / Full RB

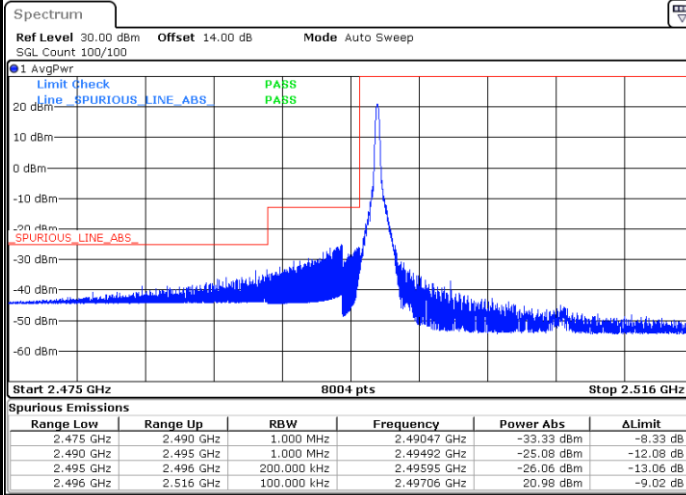


Date: 1.JUN.2022 19:48:47

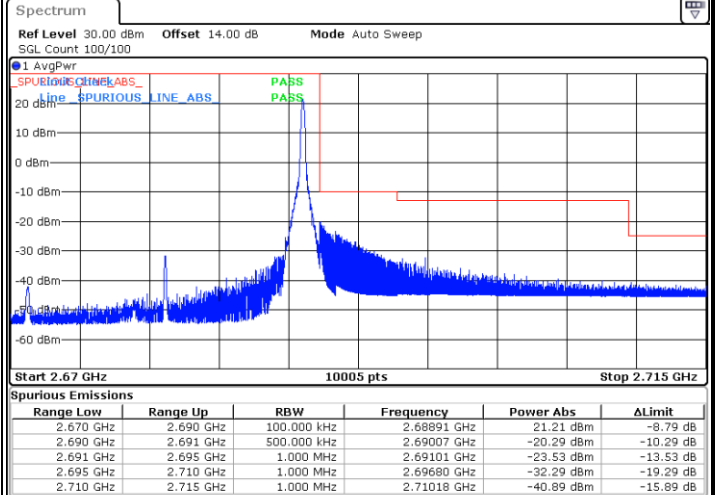


LTE Band 41 / 20MHz / 16QAM

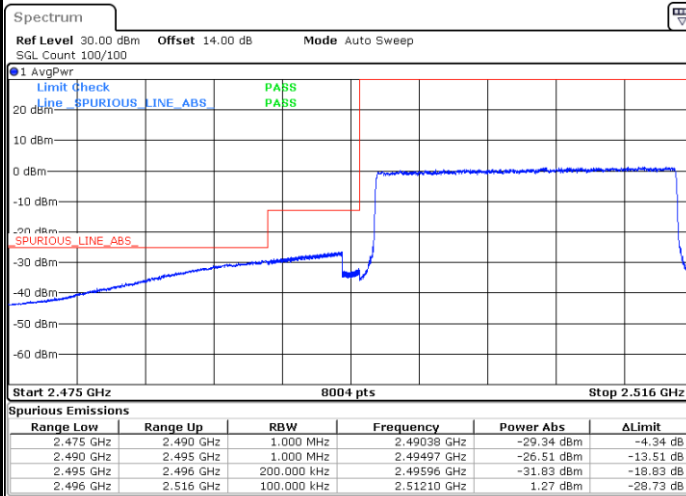
Lowest Band Edge / 1 RB



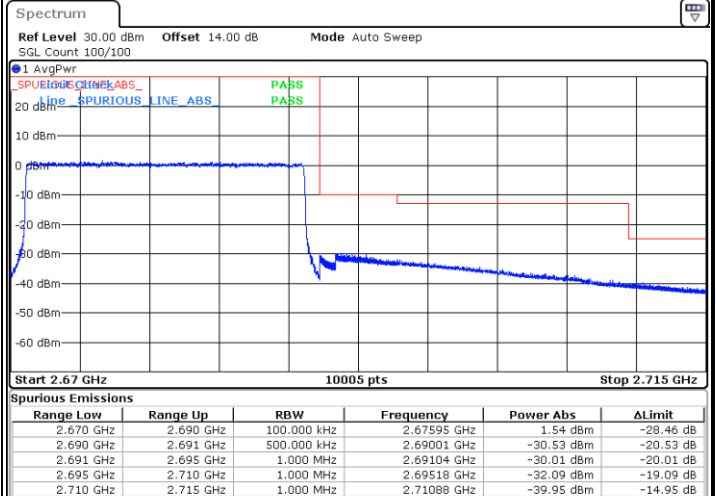
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



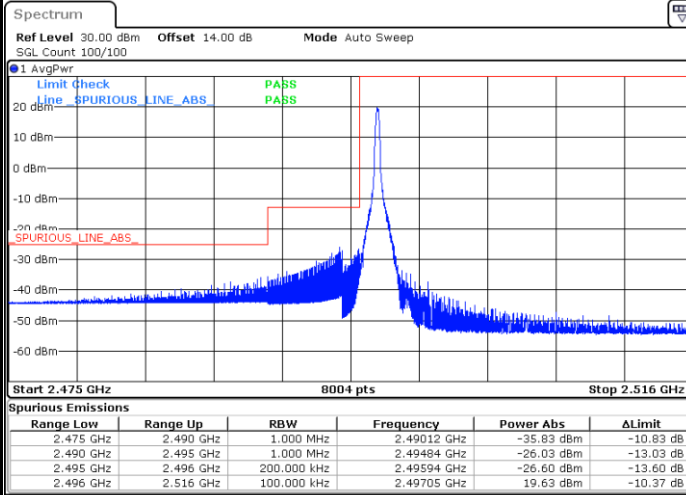
Highest Band Edge / Full RB





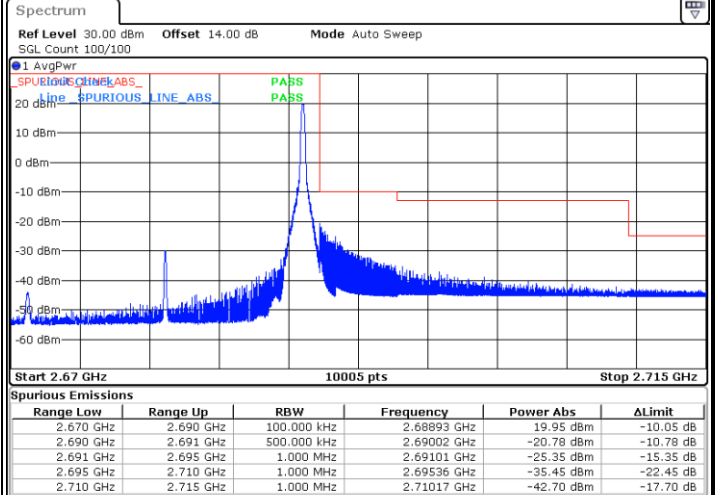
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



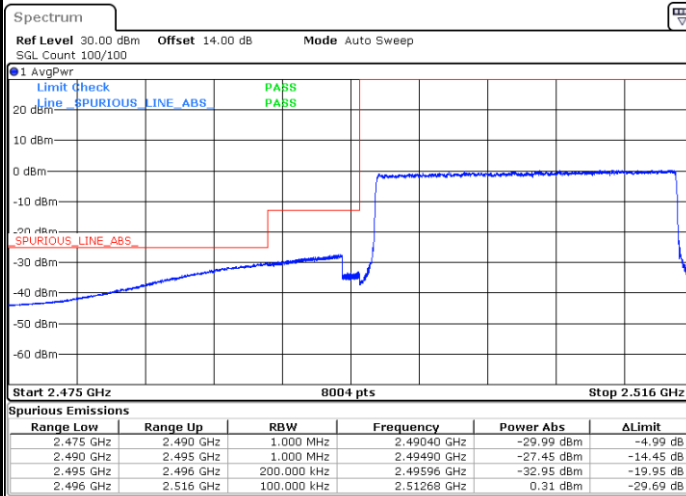
Date: 1.JUN.2022 19:49:42

Highest Band Edge / 1 RB



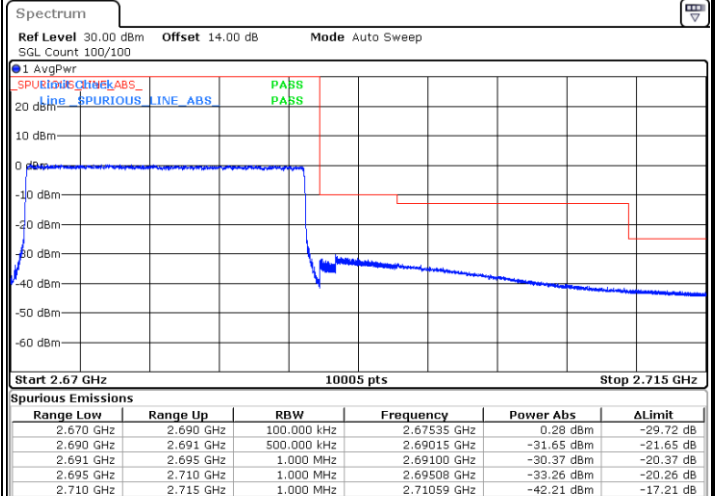
Date: 1.JUN.2022 19:51:30

Lowest Band Edge / Full RB



Date: 1.JUN.2022 19:50:36

Highest Band Edge / Full RB

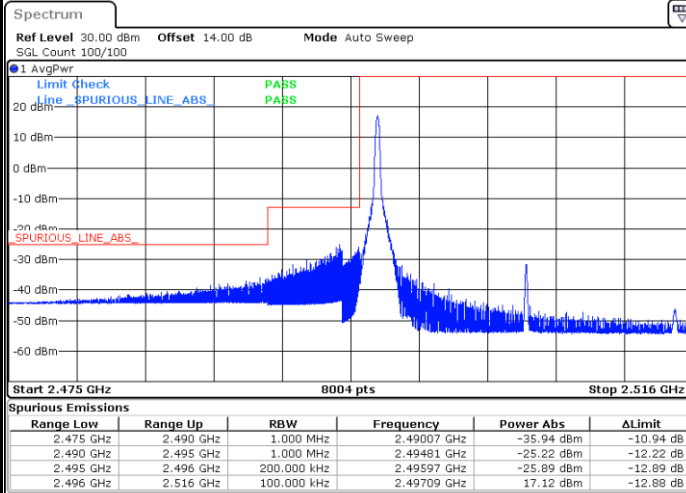


Date: 1.JUN.2022 19:52:25



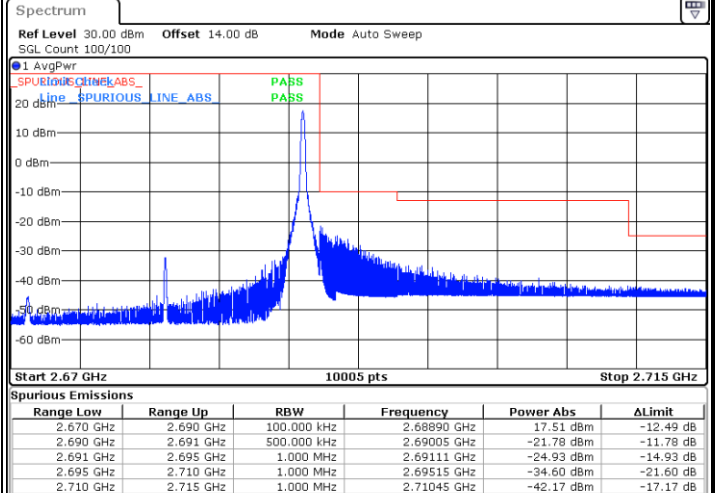
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



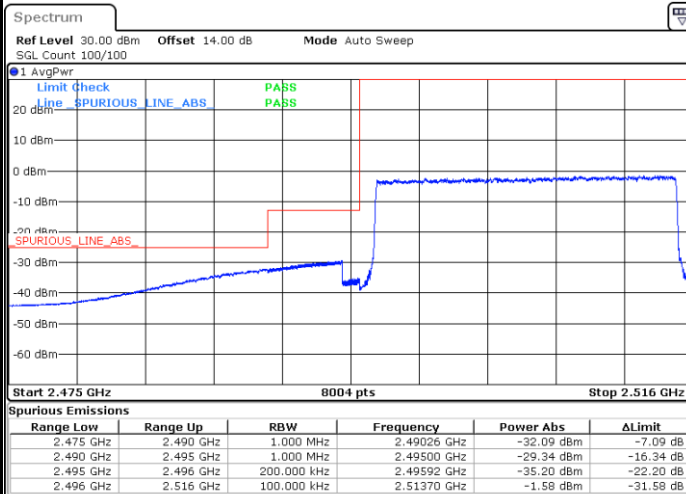
Date: 1.JUN.2022 20:18:31

Highest Band Edge / 1 RB



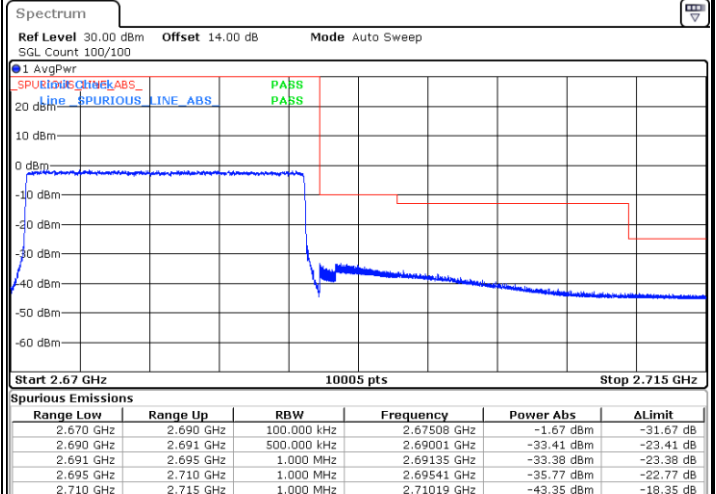
Date: 1.JUN.2022 20:20:30

Lowest Band Edge / Full RB



Date: 1.JUN.2022 20:19:28

Highest Band Edge / Full RB



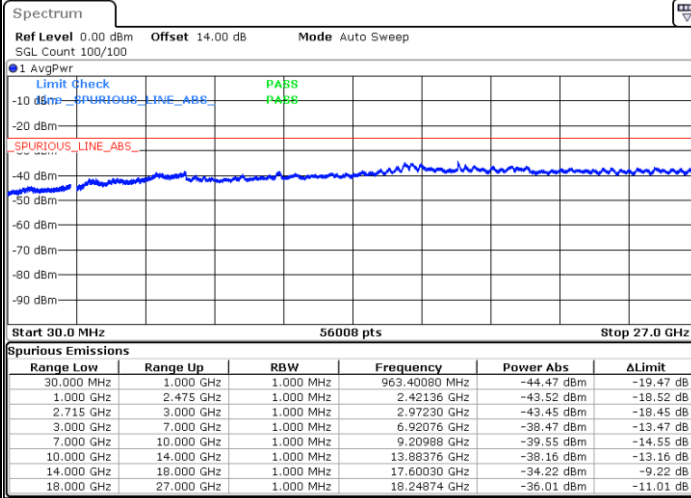
Date: 1.JUN.2022 20:21:27



Conducted Spurious Emission

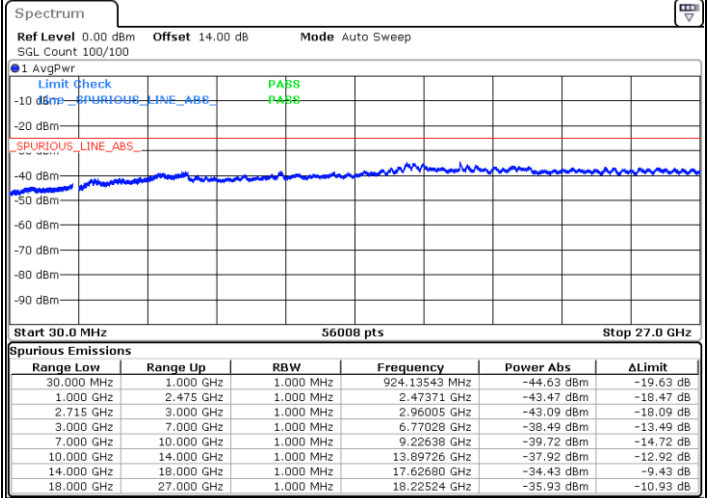
LTE Band 41 / 5MHz

Lowest Channel / QPSK



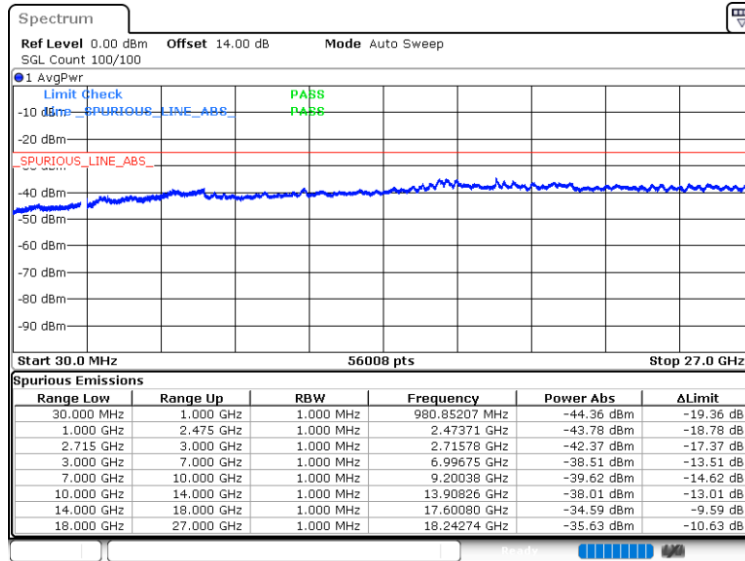
Date: 1.JUN.2022 19:10:02

Middle Channel / QPSK



Date: 1.JUN.2022 19:11:16

Highest Channel / QPSK

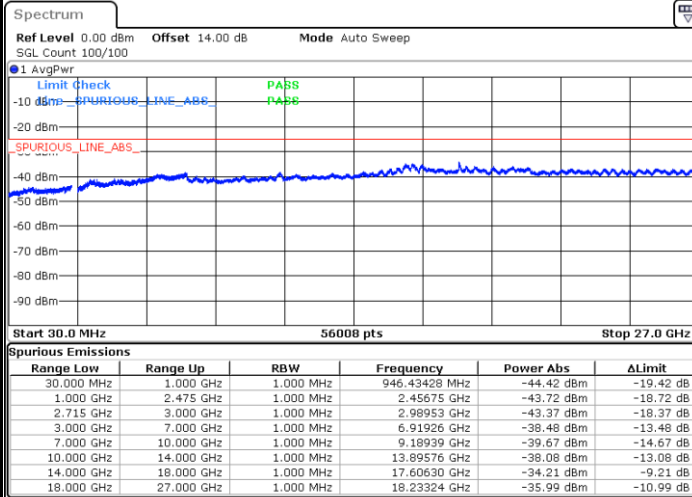


Date: 1.JUN.2022 19:12:29



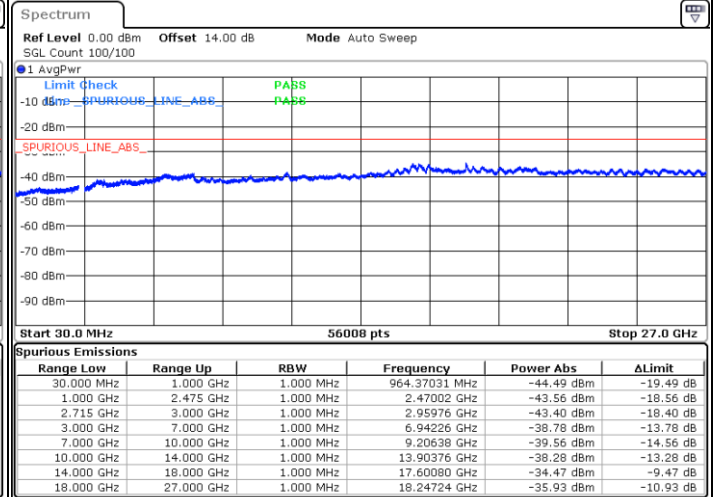
LTE Band 41 / 10MHz

Lowest Channel / QPSK



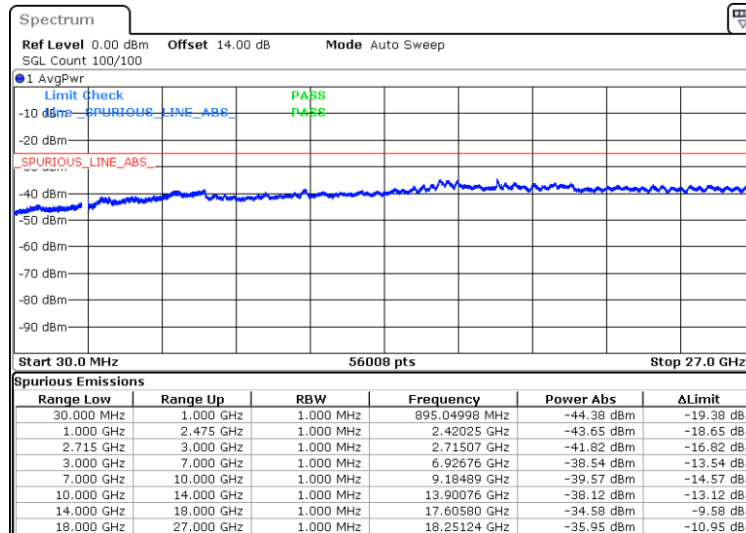
Date: 1.JUN.2022 19:24:33

Middle Channel / QPSK



Date: 1.JUN.2022 19:25:47

Highest Channel / QPSK

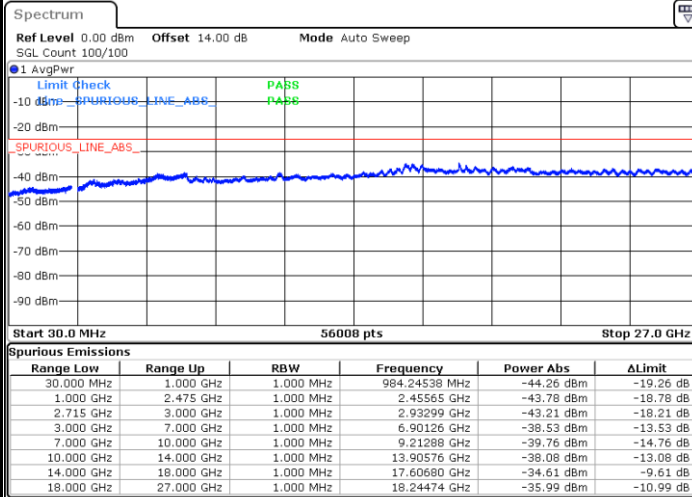


Date: 1.JUN.2022 19:27:01



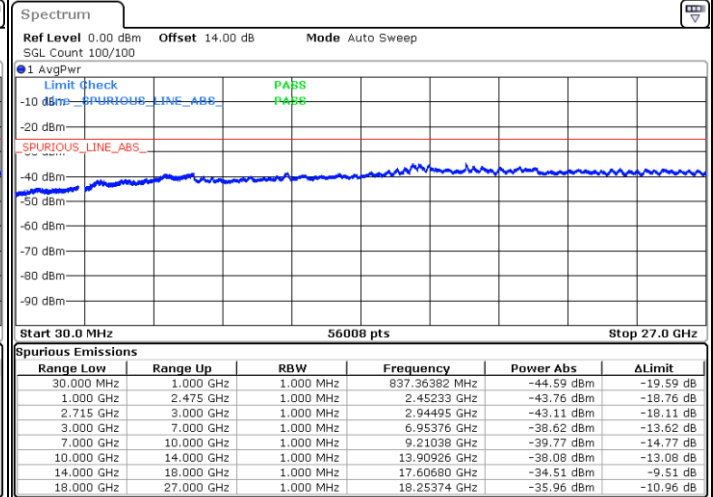
LTE Band 41 / 15MHz

Lowest Channel / QPSK



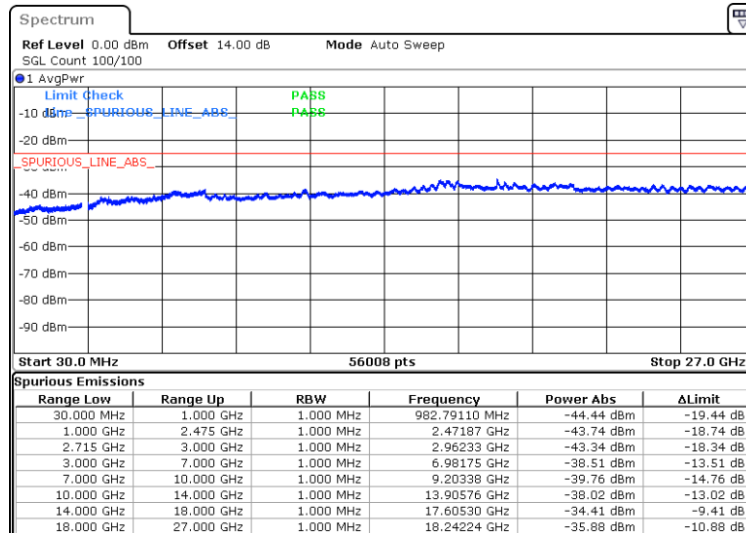
Date: 1.JUN.2022 19:39:07

Middle Channel / QPSK



Date: 1.JUN.2022 19:40:21

Highest Channel / QPSK

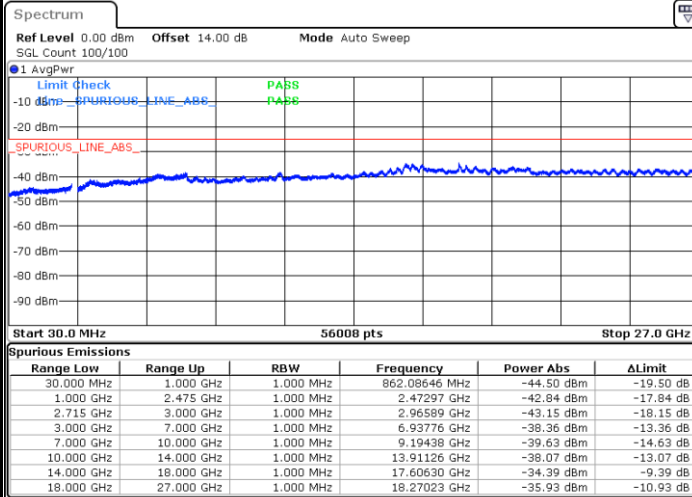


Date: 1.JUN.2022 19:41:34



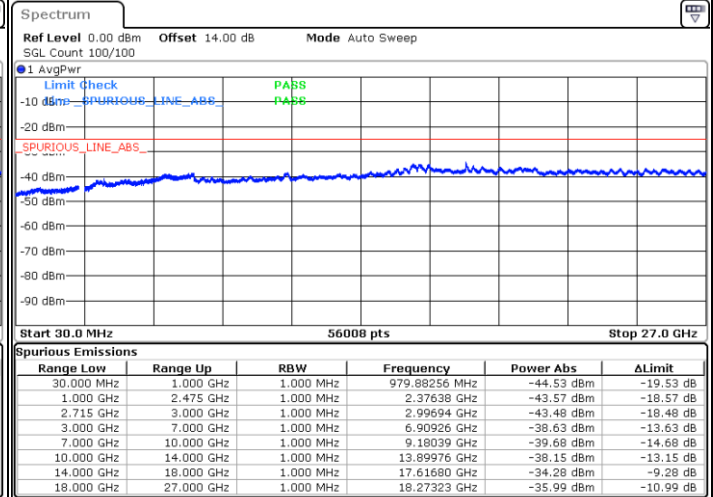
LTE Band 41 / 20MHz

Lowest Channel / QPSK



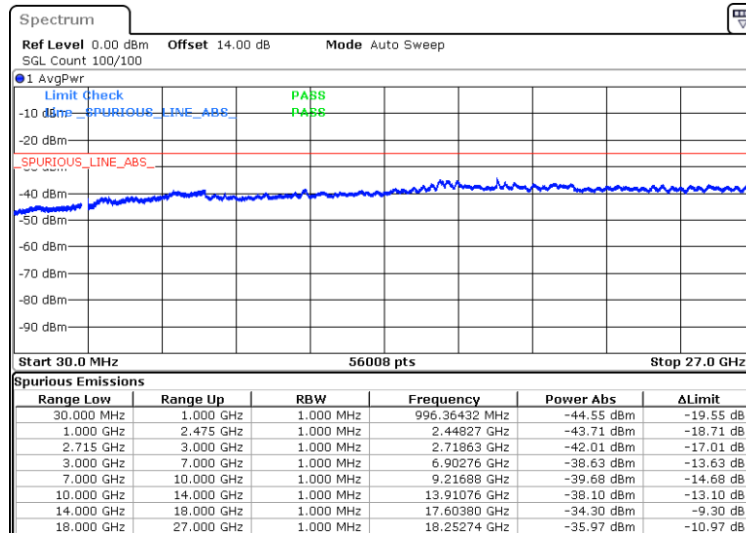
Date: 1.JUN.2022 19:53:38

Middle Channel / QPSK



Date: 1.JUN.2022 19:54:51

Highest Channel / QPSK



Date: 1.JUN.2022 19:56:04

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	0.0003	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0007	
20	Maximum Voltage	0.0012	
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_HPUE

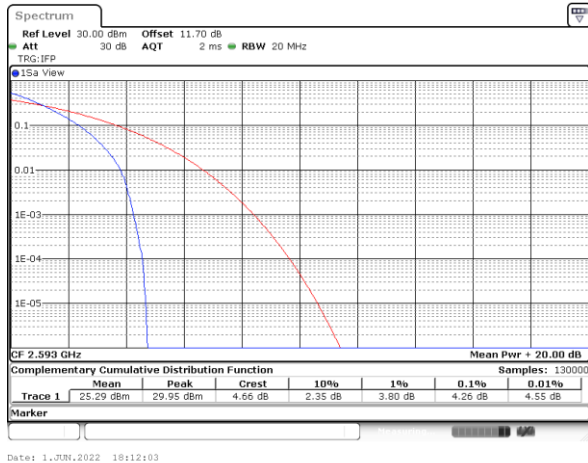
Peak-to-Average Ratio

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	4.26	5.22	5.16	6.52	PASS



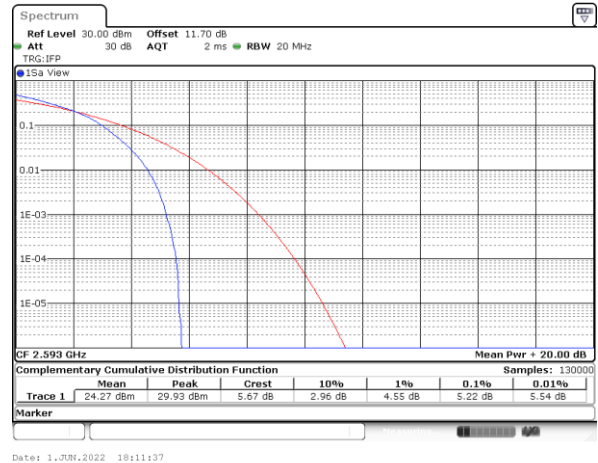
LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 256QAM

Middle Channel / Full RB



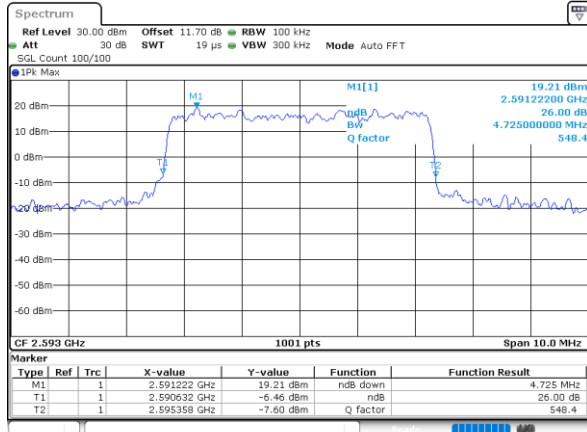
**26dB Bandwidth**

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	-	-	-	-	4.73	5.00	9.73	9.65	14.24	14.45	18.70	18.94
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.89	4.89	9.81	9.59	14.39	14.12	18.58	19.06

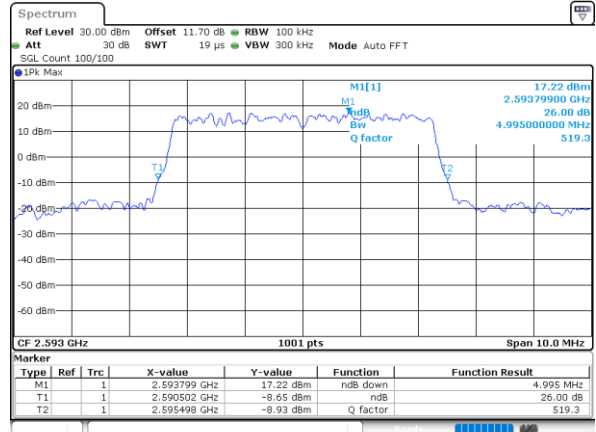


LTE Band 41

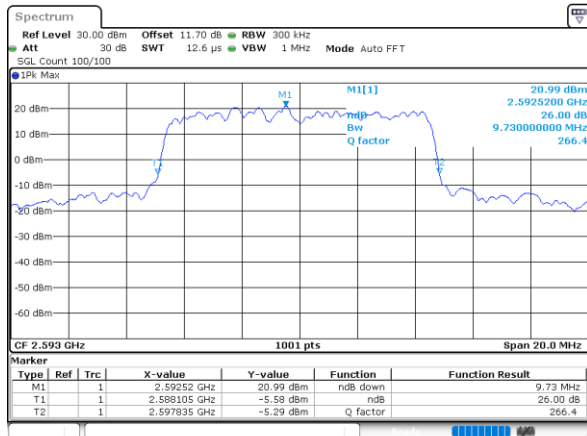
Middle Channel / 5MHz / QPSK



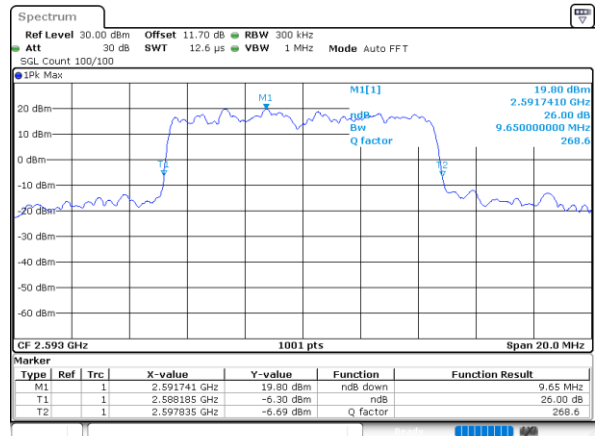
Middle Channel / 5MHz / 16QAM



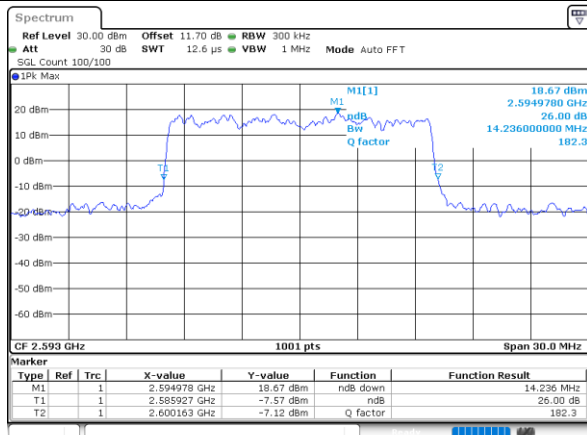
Middle Channel / 10MHz / QPSK



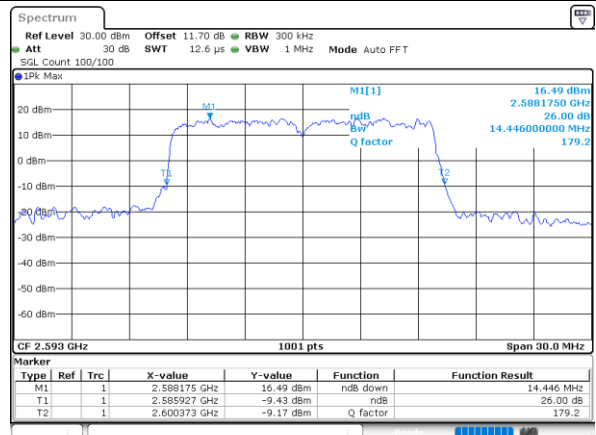
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



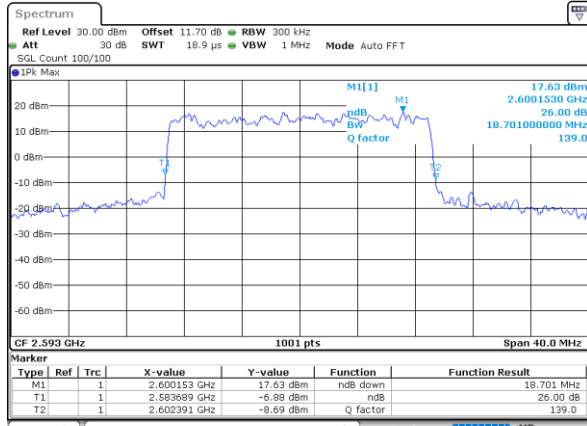
Middle Channel / 15MHz / 16QAM





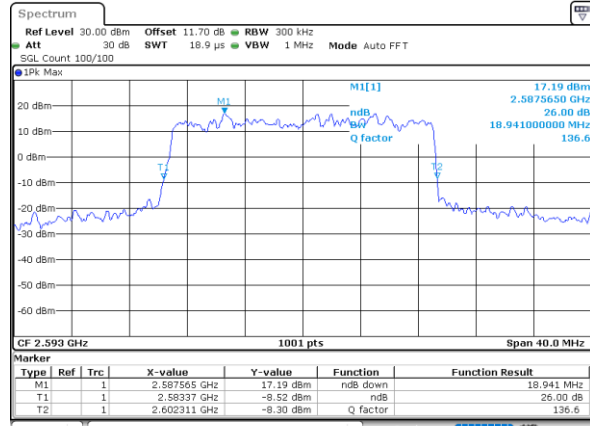
LTE Band 41

Middle Channel / 20MHz / QPSK



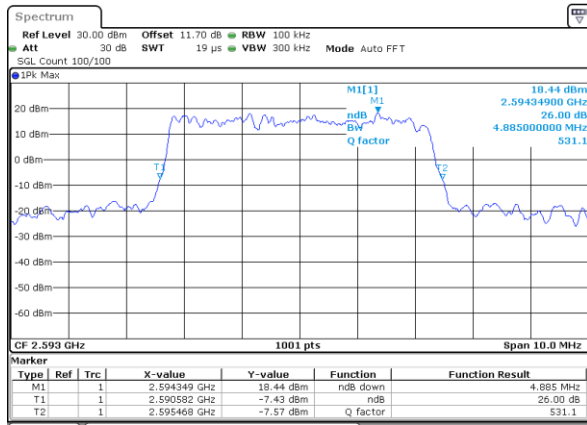
Date: 1.JUN.2022 18:09:37

Middle Channel / 20MHz / 16QAM



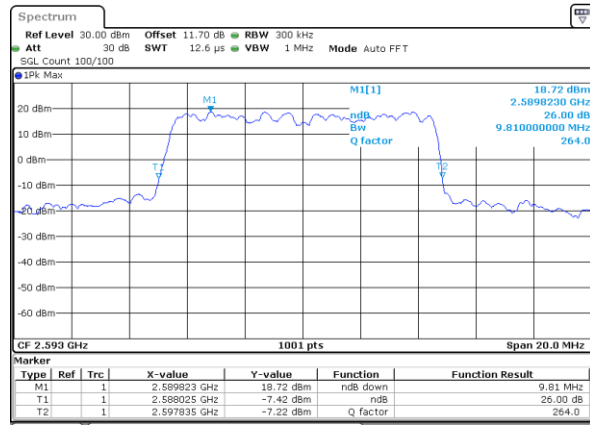
Date: 1.JUN.2022 18:10:01

Middle Channel / 5MHz / 64QAM



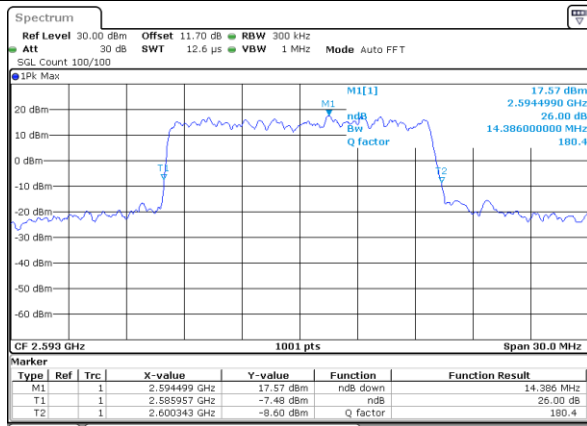
Date: 1.JUN.2022 18:03:40

Middle Channel / 10MHz / 64QAM



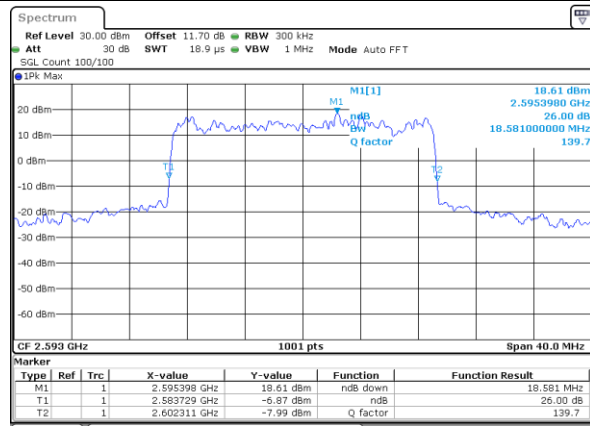
Date: 1.JUN.2022 18:06:03

Middle Channel / 15MHz / 64QAM



Date: 1.JUN.2022 18:08:25

Middle Channel / 20MHz / 64QAM

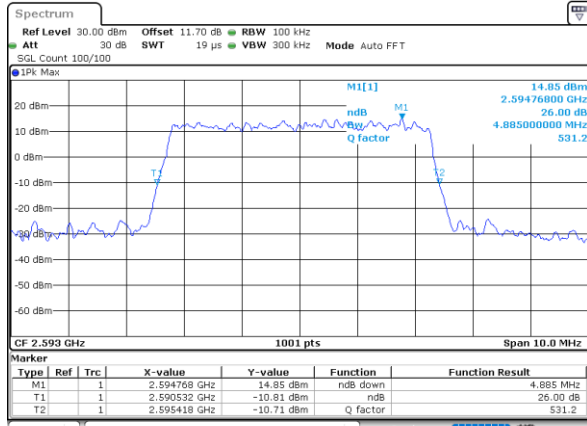


Date: 1.JUN.2022 18:10:48



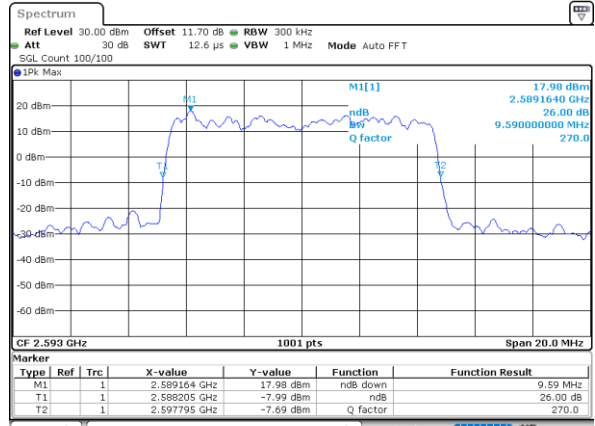
LTE Band 41

Middle Channel / 5MHz / 256QAM



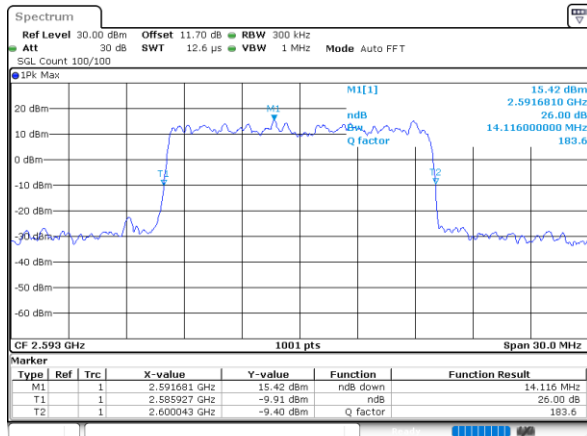
Date: 1.JUN.2022 18:37:04

Middle Channel / 10MHz / 256QAM



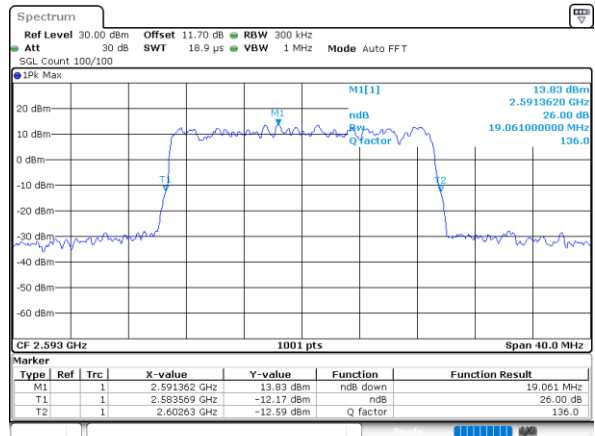
Date: 1.JUN.2022 18:37:52

Middle Channel / 15MHz / 256QAM



Date: 1.JUN.2022 18:38:40

Middle Channel / 20MHz / 256QAM



Date: 1.JUN.2022 18:39:28

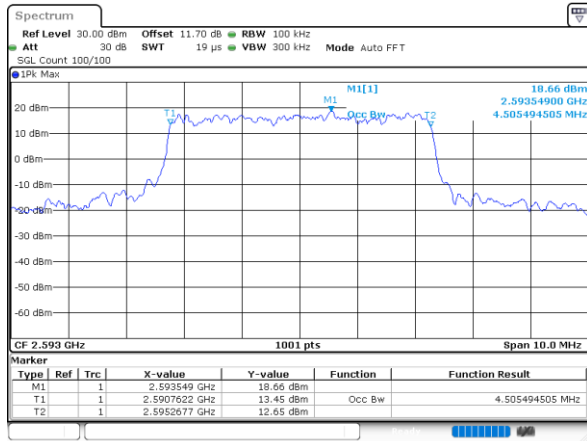
**Occupied Bandwidth**

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	4.49	9.05	9.05	13.43	13.49	17.90	17.90
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.49	4.48	9.03	9.01	13.49	13.43	17.86	17.90

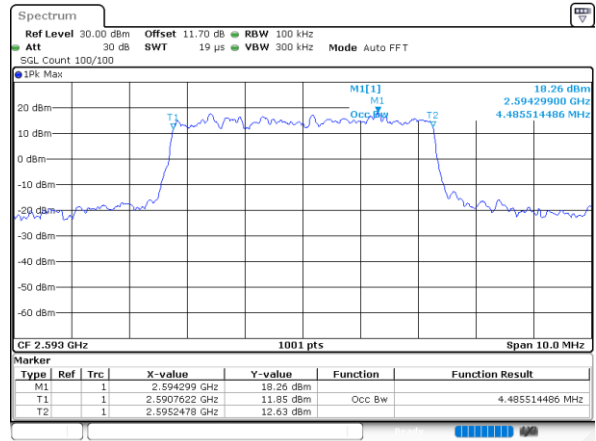


LTE Band 41

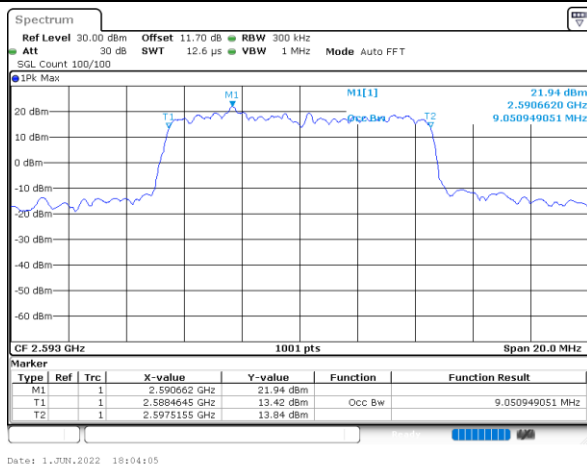
Middle Channel / 5MHz / QPSK



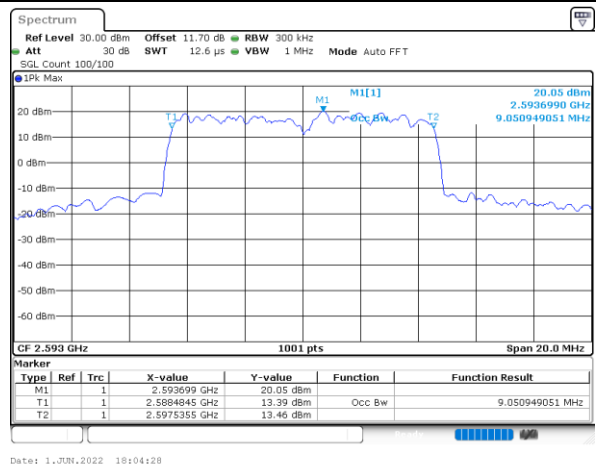
Middle Channel / 5MHz / 16QAM



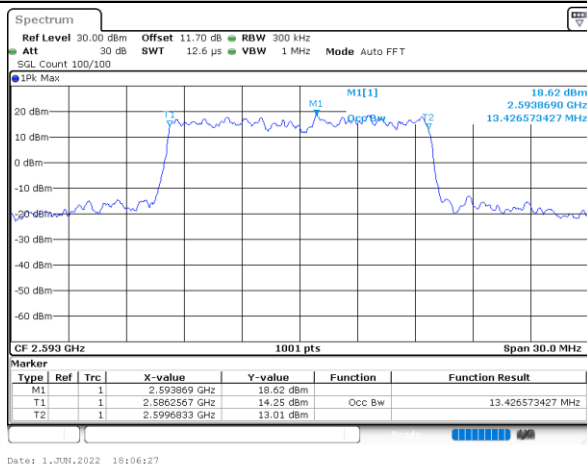
Middle Channel / 10MHz / QPSK



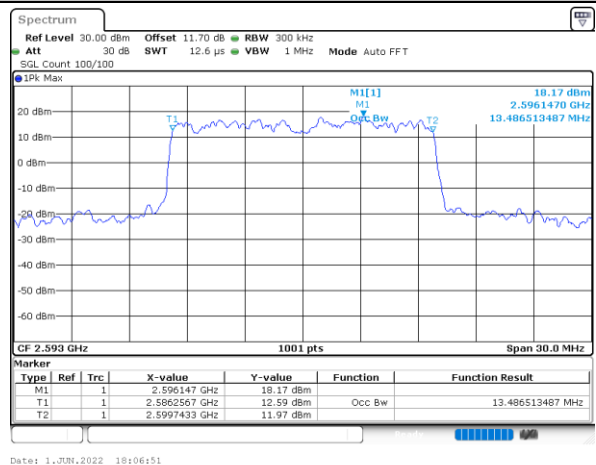
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



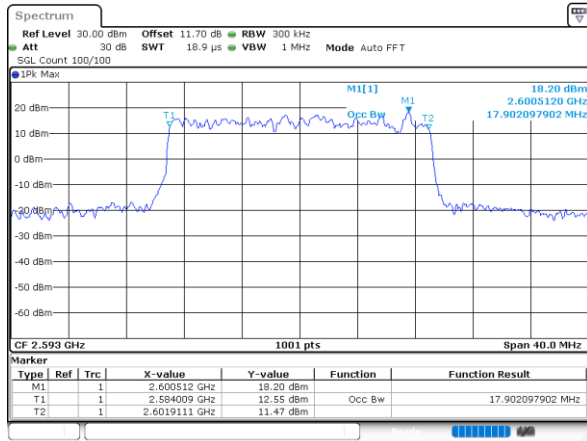
Middle Channel / 15MHz / 16QAM



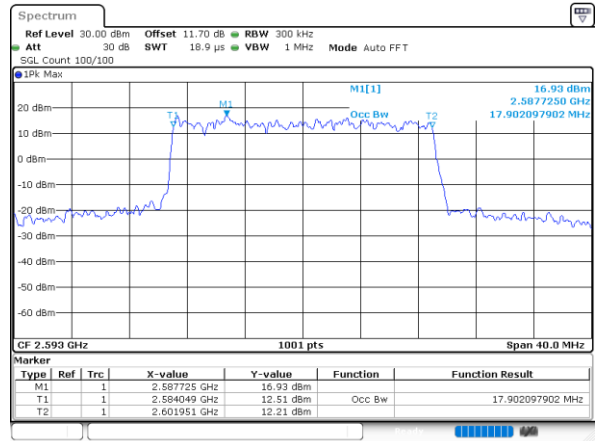


LTE Band 41

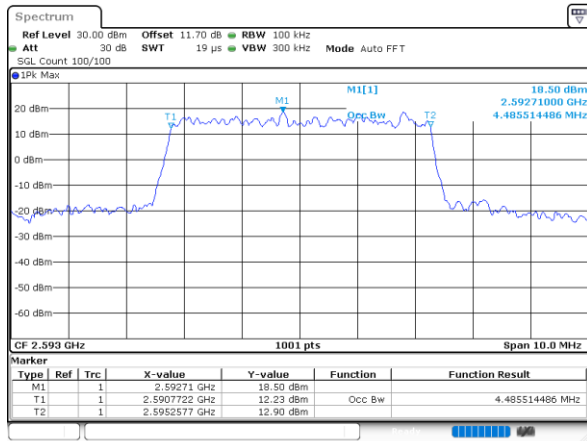
Middle Channel / 20MHz / QPSK



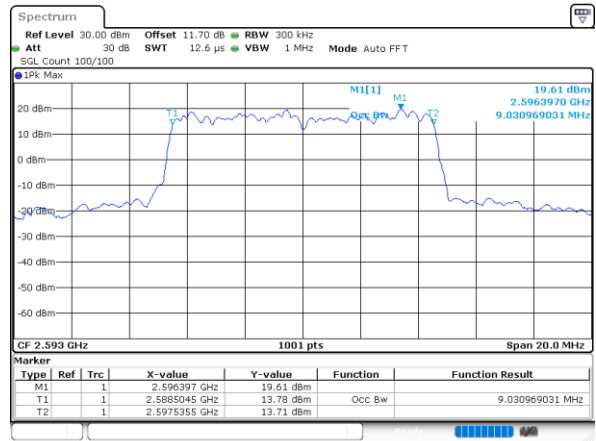
Middle Channel / 20MHz / 16QAM



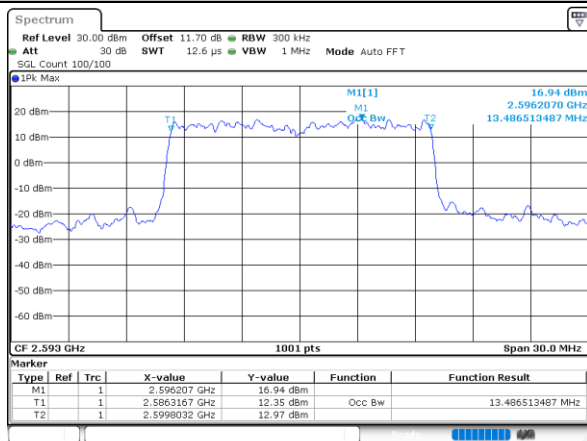
Middle Channel / 5MHz / 64QAM



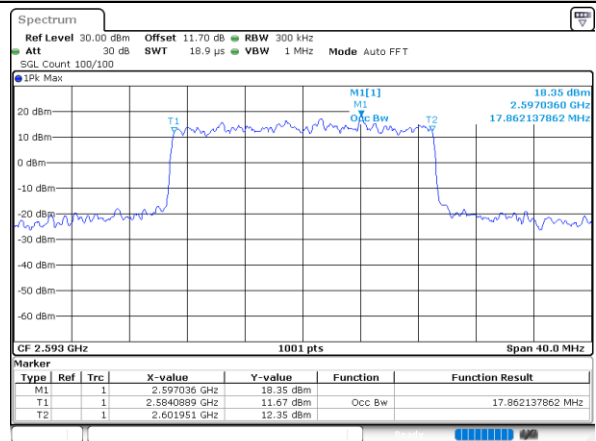
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



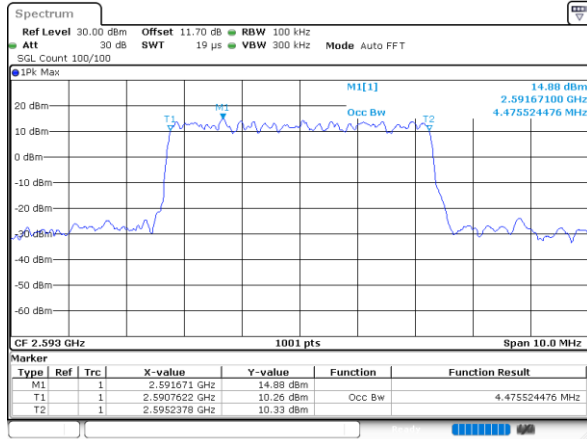
Middle Channel / 20MHz / 64QAM



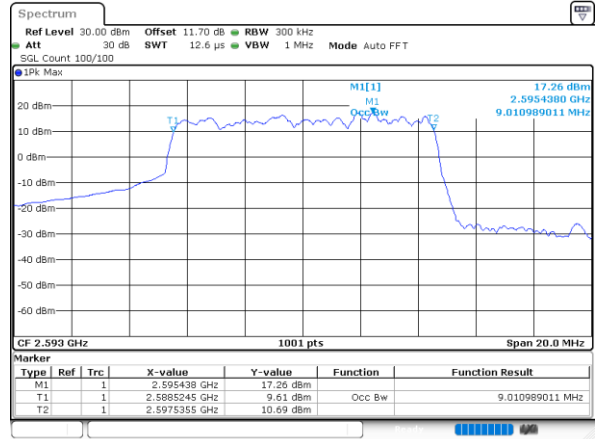


LTE Band 41

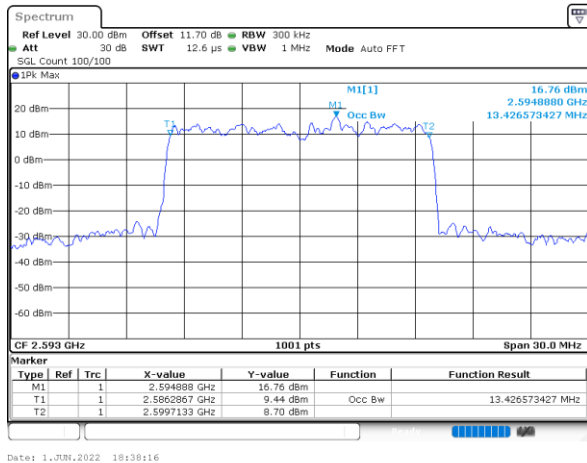
Middle Channel / 5MHz / 256QAM



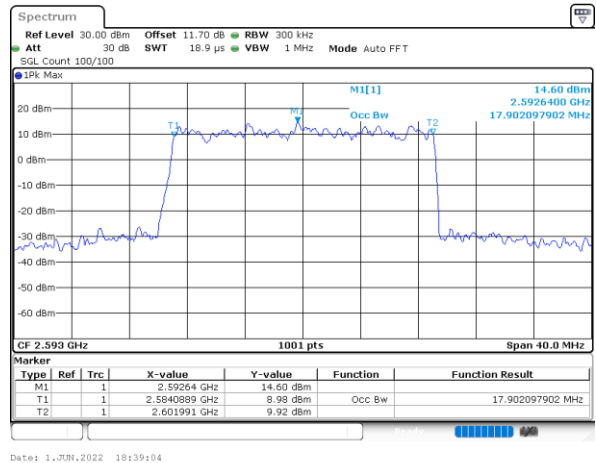
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

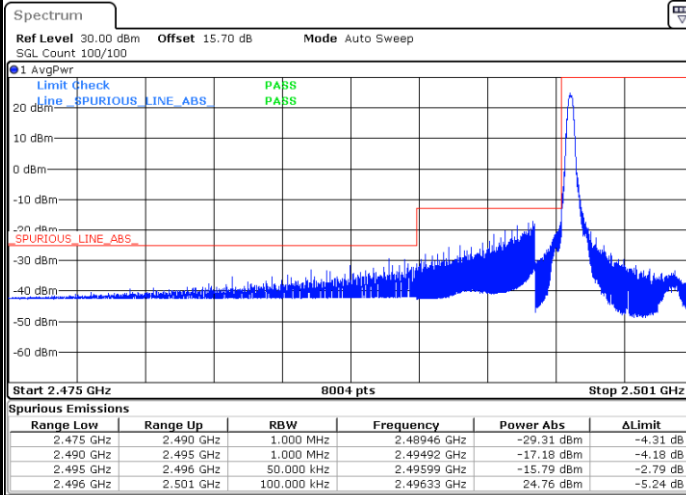




Conducted Band Edge

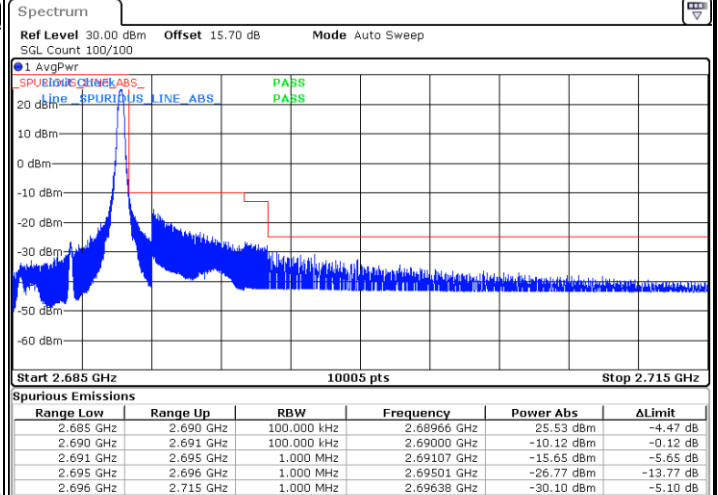
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



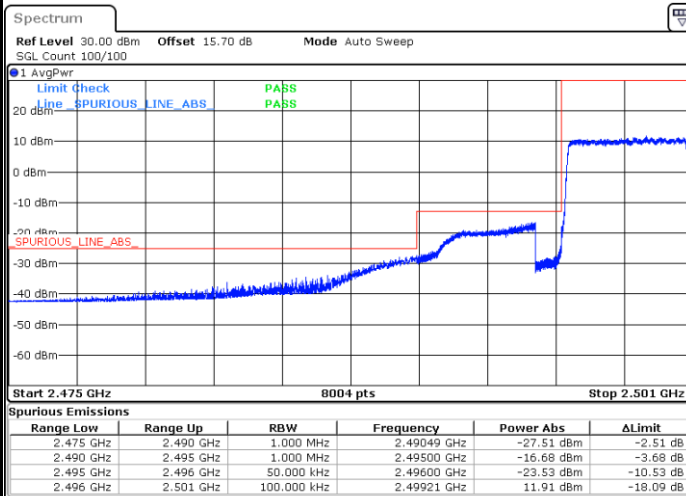
Date: 13.MAY.2022 06:22:44

Highest Band Edge / 1 RB



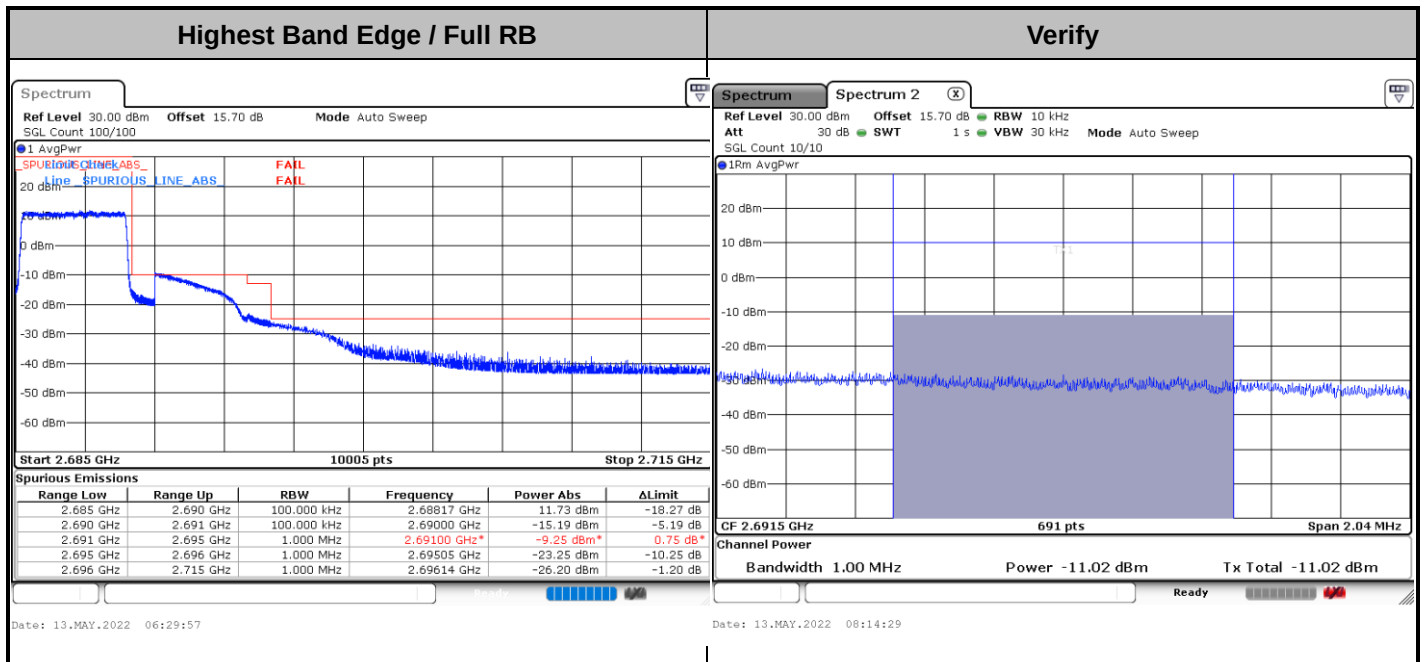
Date: 13.MAY.2022 06:27:33

Lowest Band Edge / Full RB



Date: 13.MAY.2022 06:25:09

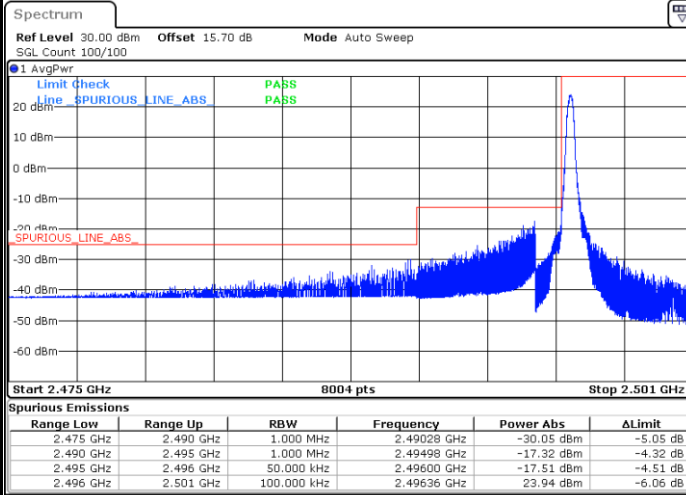
NA



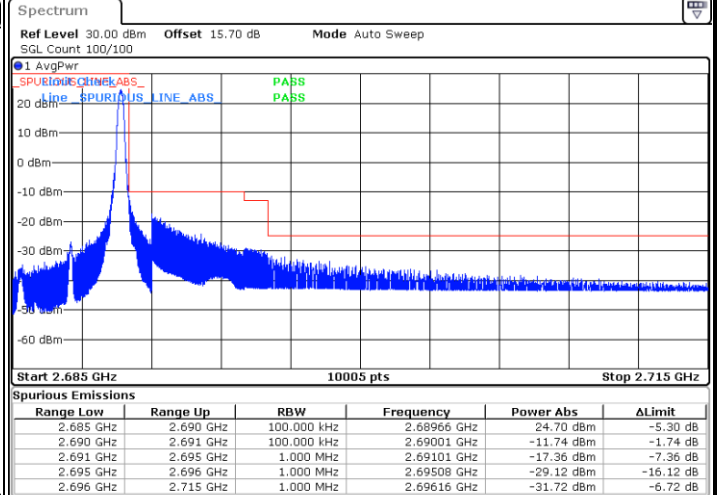


LTE Band 41 / 5MHz / 16QAM

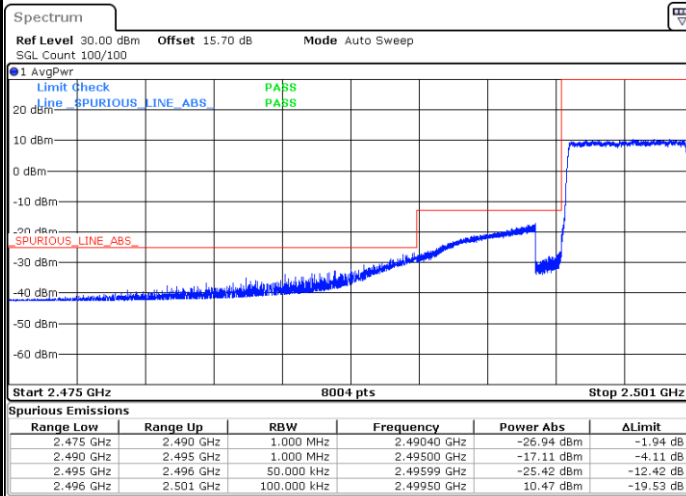
Lowest Band Edge / 1RB



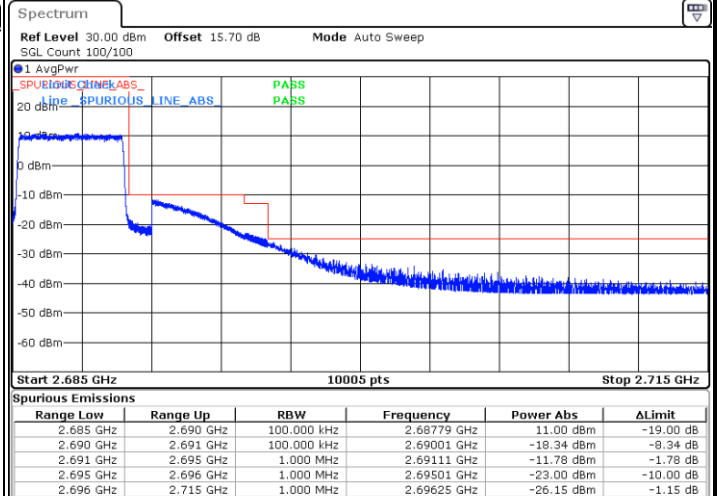
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



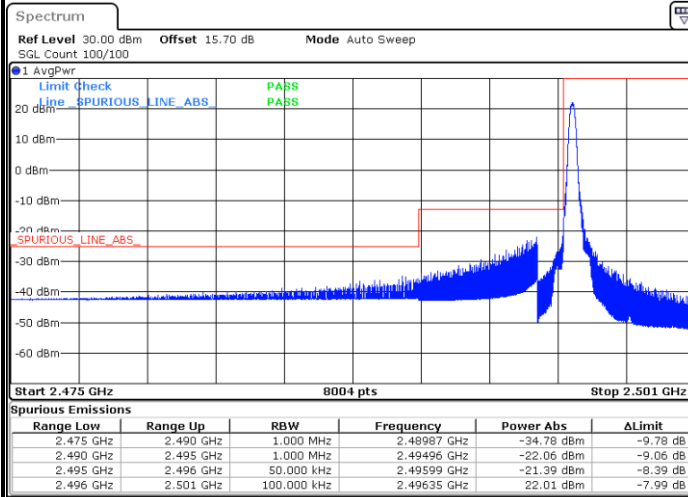
Highest Band Edge / Full RB



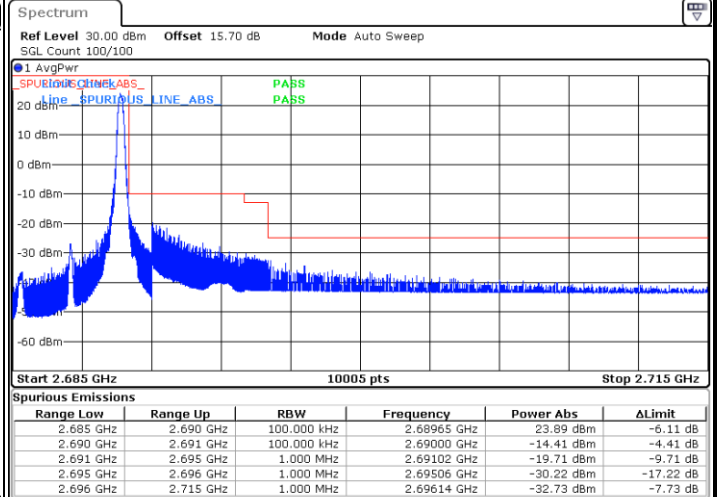


LTE Band 41 / 5MHz / 64QAM

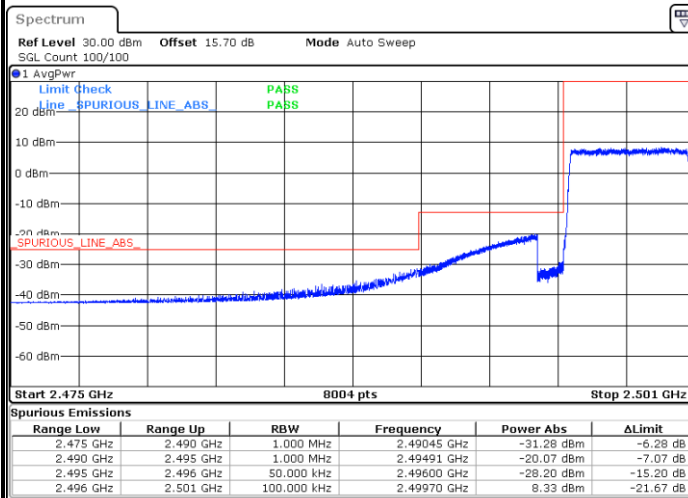
Lowest Band Edge / 1RB



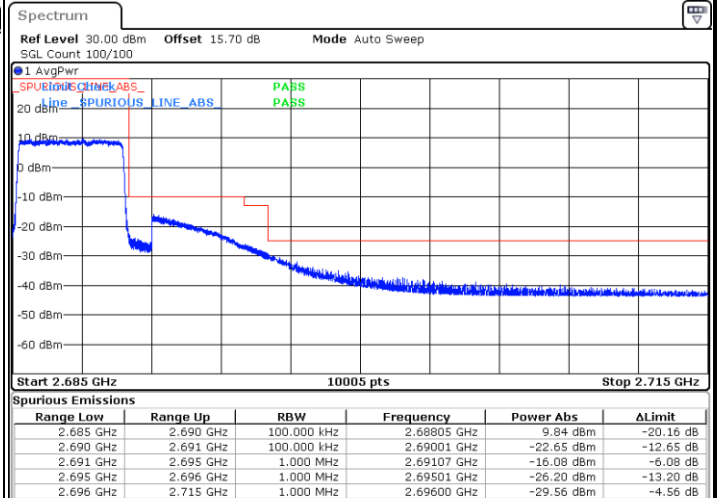
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



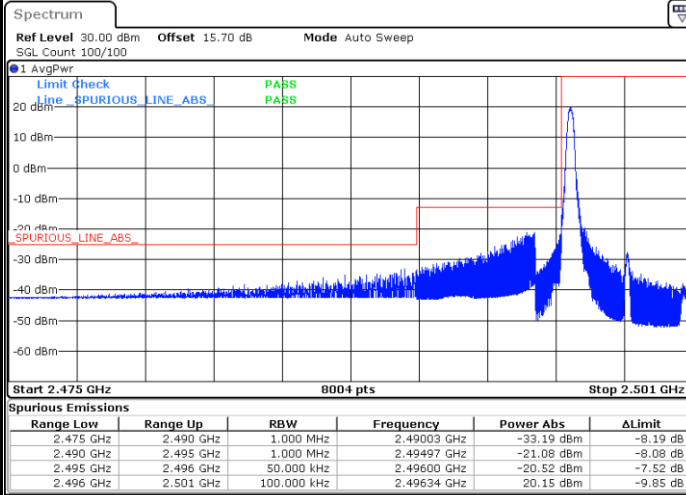
Highest Band Edge / Full RB





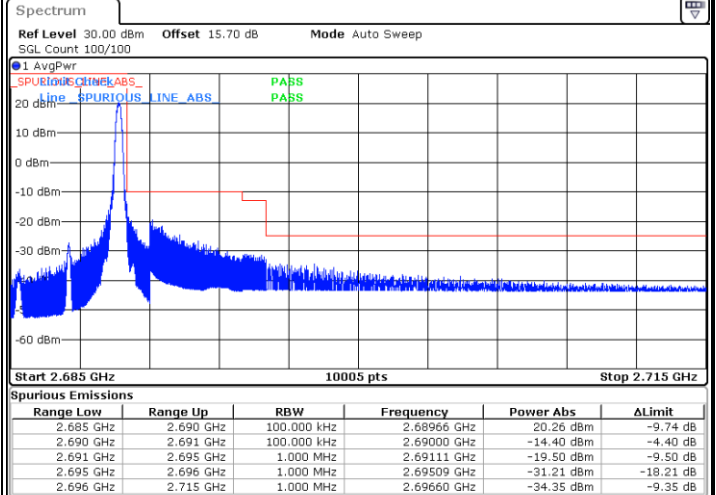
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



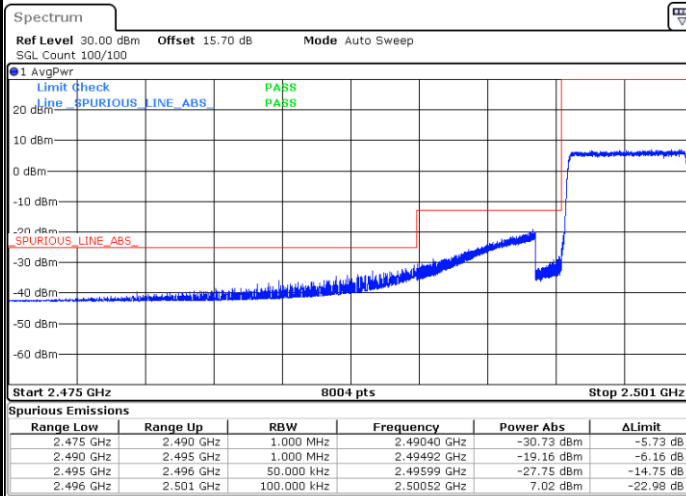
Date: 13.MAY.2022 07:36:46

Highest Band Edge / 1 RB



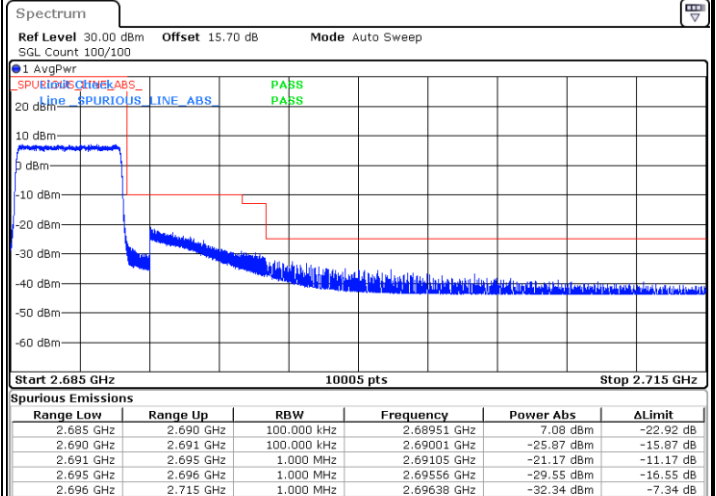
Date: 13.MAY.2022 07:39:16

Lowest Band Edge / Full RB



Date: 13.MAY.2022 07:38:01

Highest Band Edge / Full RB

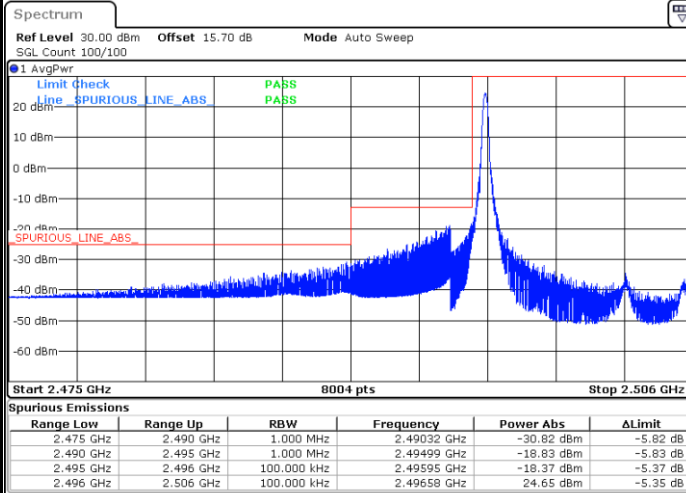


Date: 13.MAY.2022 07:40:31

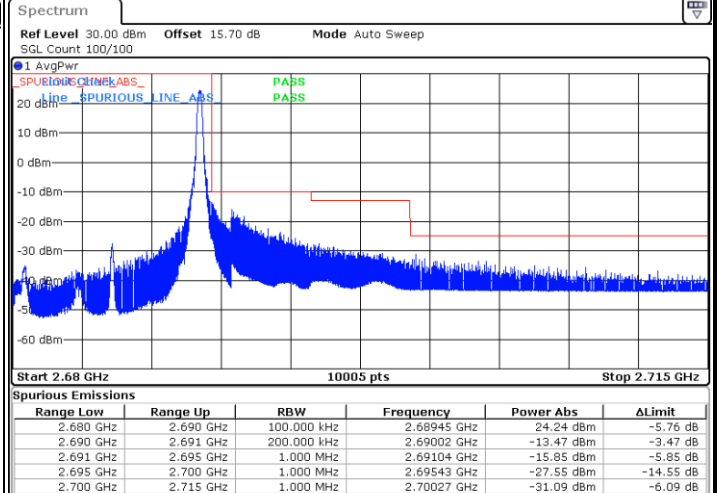


LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

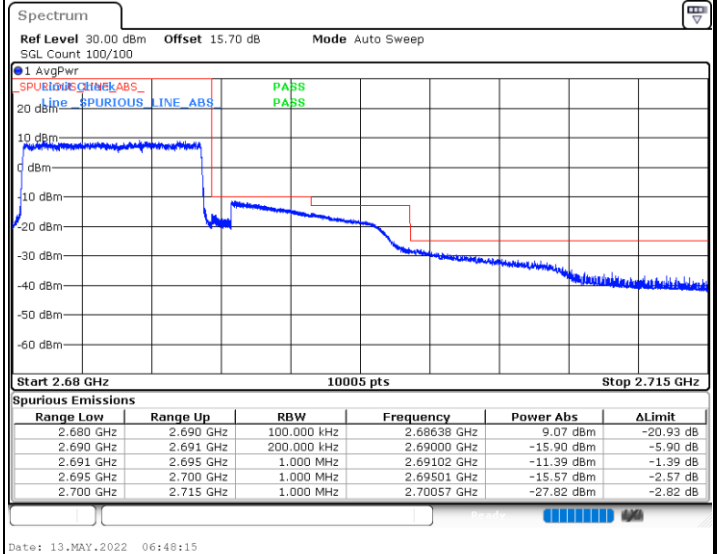


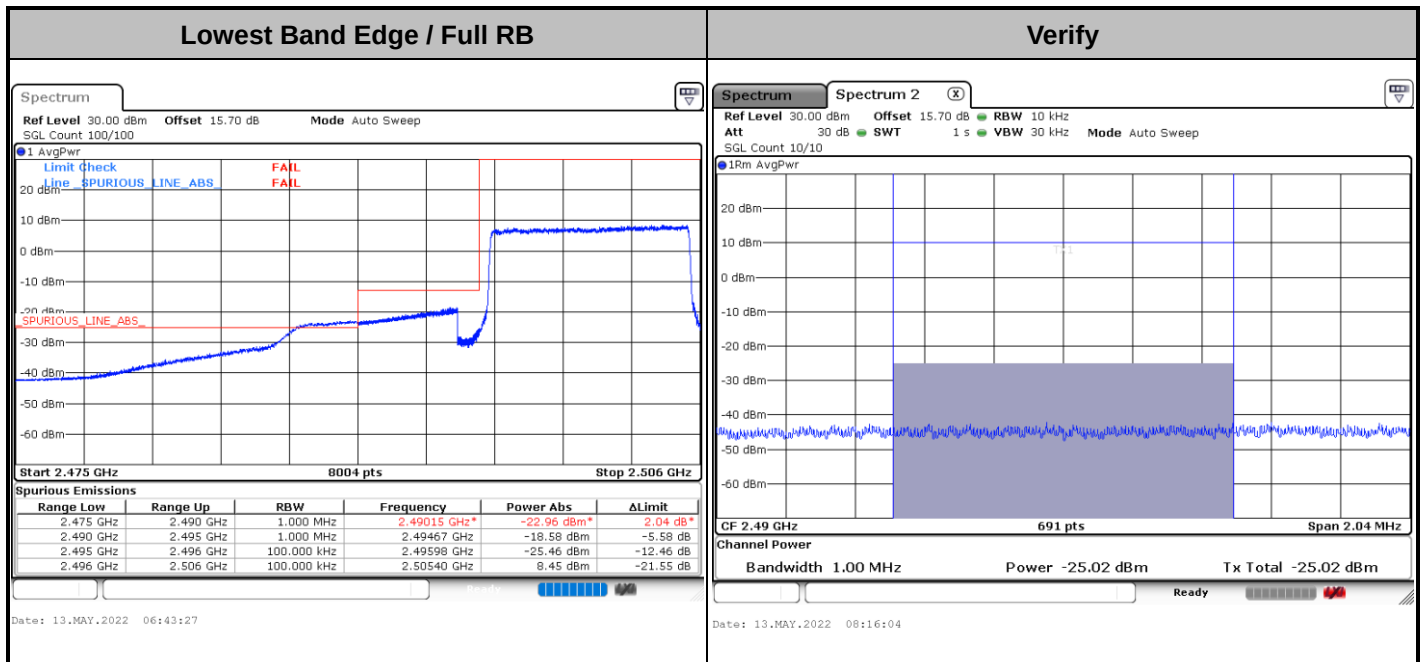
Highest Band Edge / 1 RB



NA

Highest Band Edge / Full RB

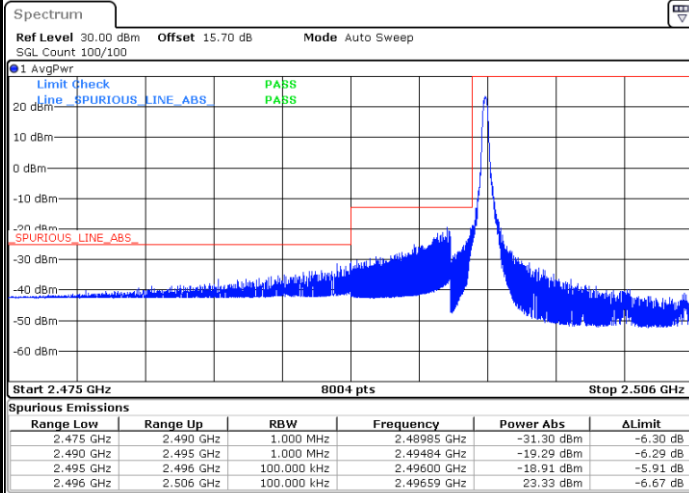




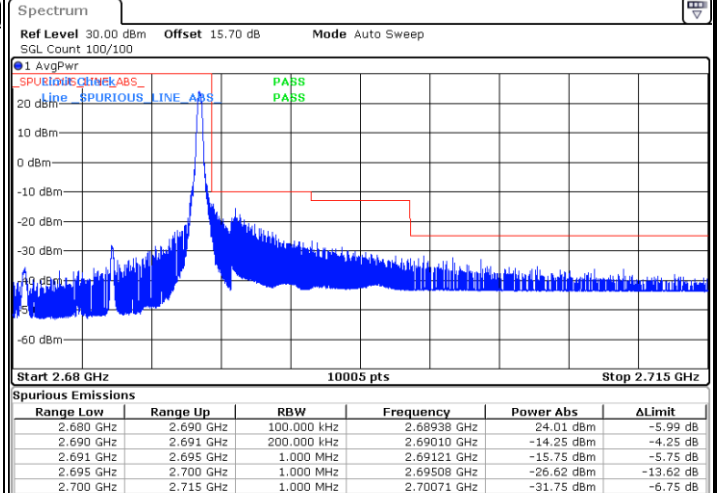


LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



NA

Highest Band Edge / Full RB

