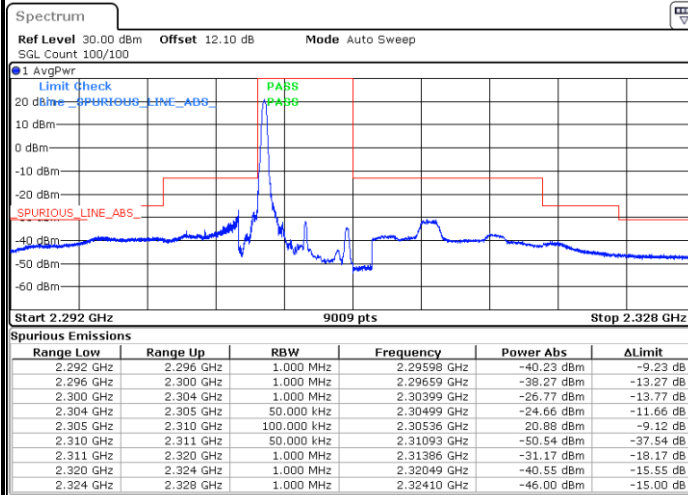




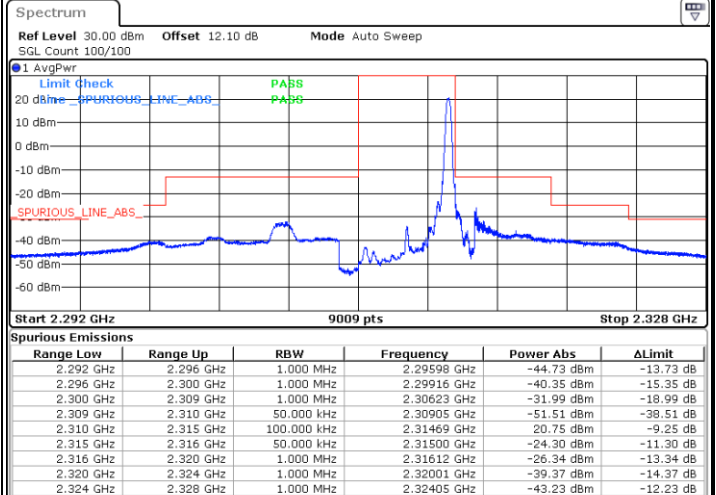
LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



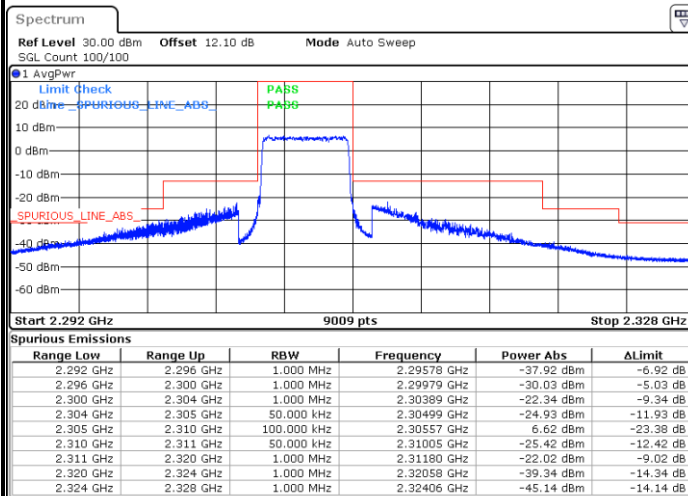
Date: 7.OCT.2022 01:52:43

Highest Band Edge / 1 RB



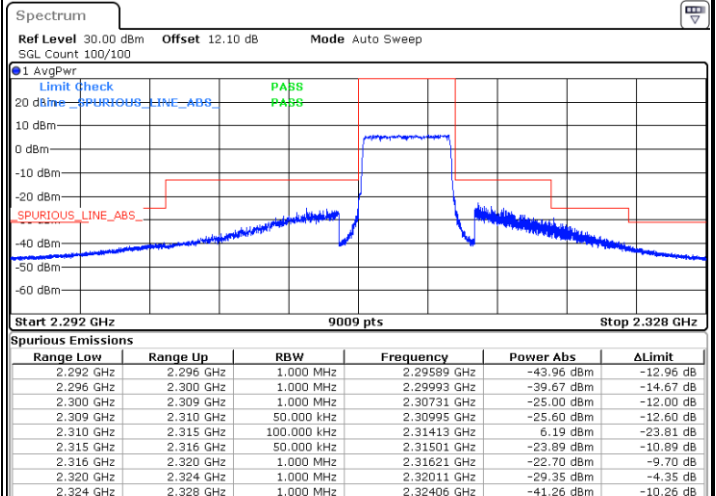
Date: 7.OCT.2022 02:00:11

Lowest Band Edge / Full RB



Date: 7.OCT.2022 01:56:27

Highest Band Edge / Full RB

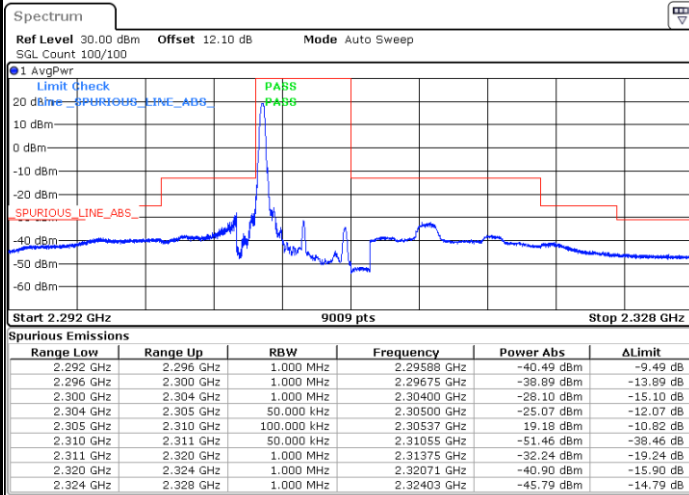


Date: 7.OCT.2022 02:03:56



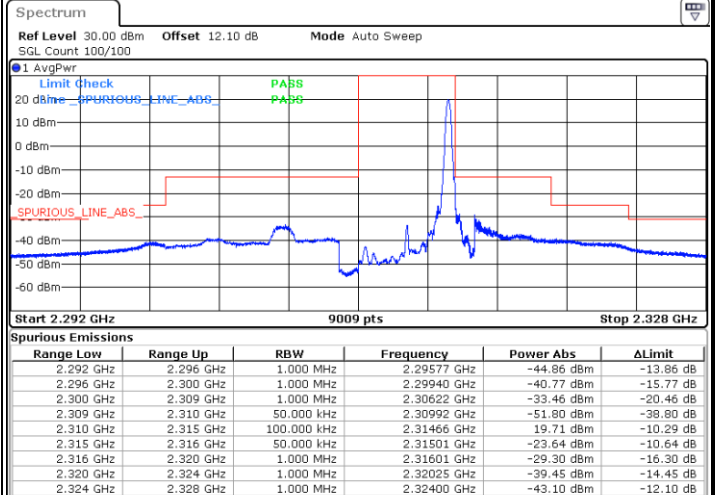
LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



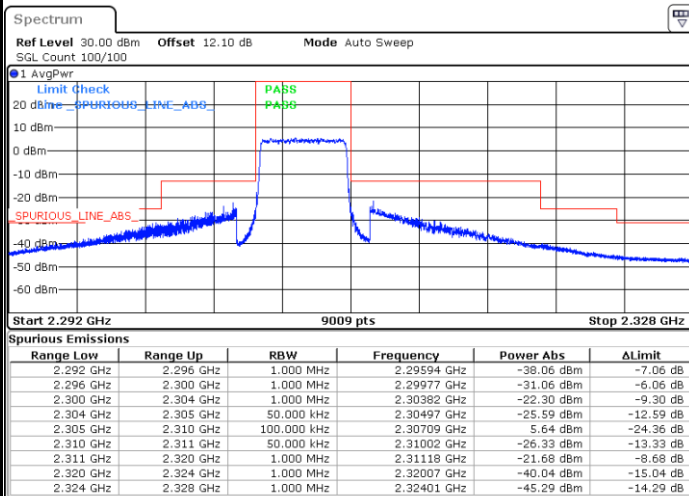
Date: 7.OCT.2022 01:53:39

Highest Band Edge / 1 RB



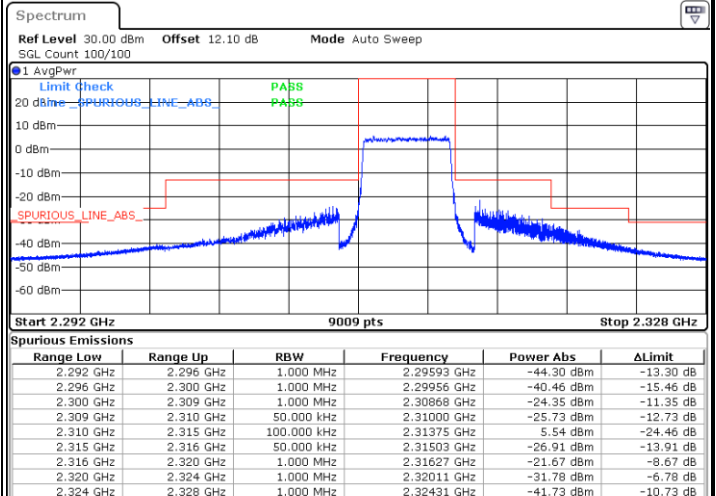
Date: 7.OCT.2022 02:01:07

Lowest Band Edge / Full RB



Date: 7.OCT.2022 01:57:23

Highest Band Edge / Full RB

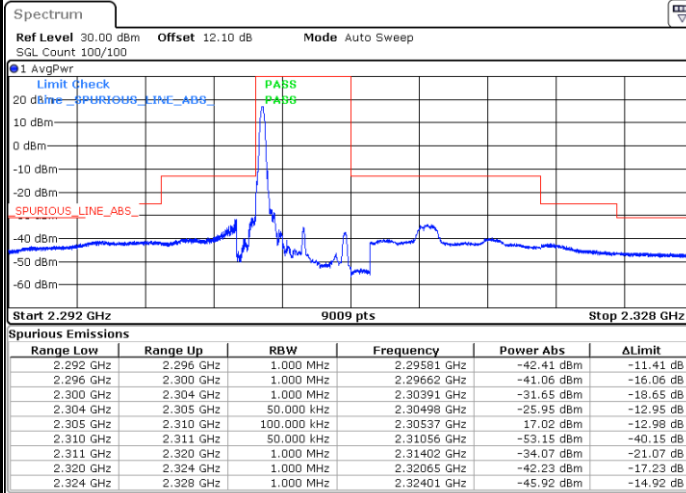


Date: 7.OCT.2022 02:04:52



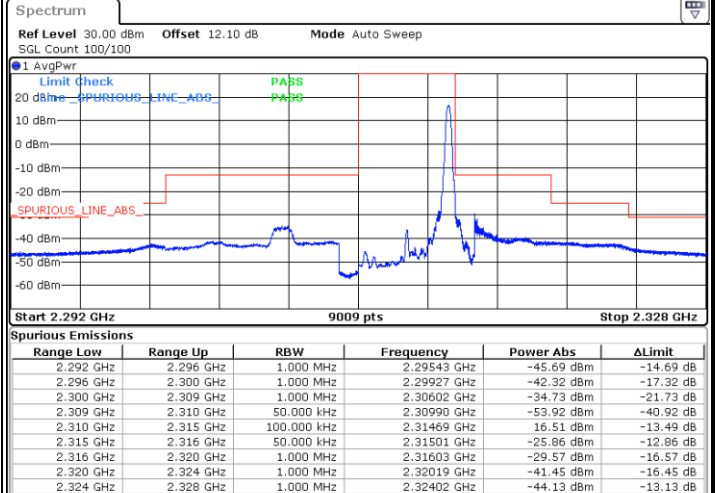
LTE Band 30 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



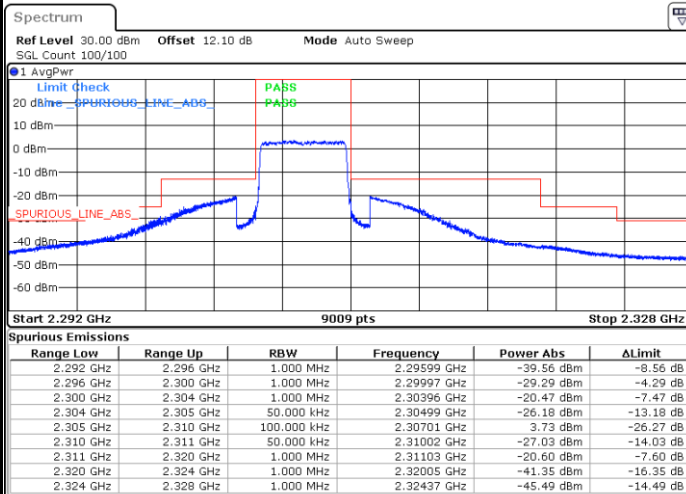
Date: 7.OCT.2022 01:54:35

Highest Band Edge / 1 RB



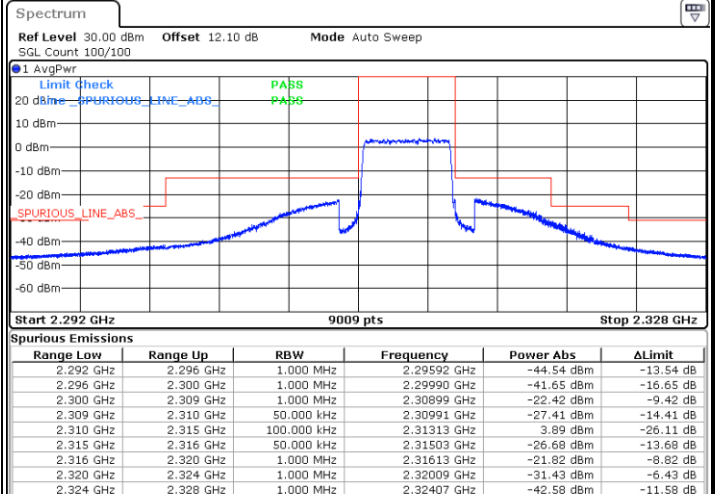
Date: 7.OCT.2022 02:02:04

Lowest Band Edge / Full RB



Date: 7.OCT.2022 01:58:19

Highest Band Edge / Full RB

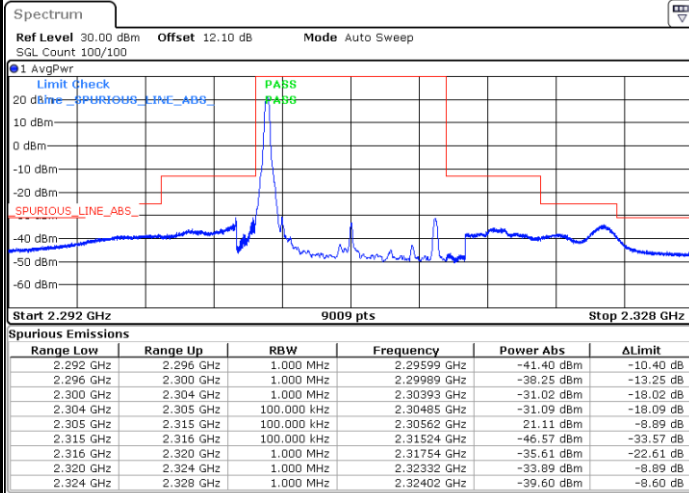


Date: 7.OCT.2022 02:05:48



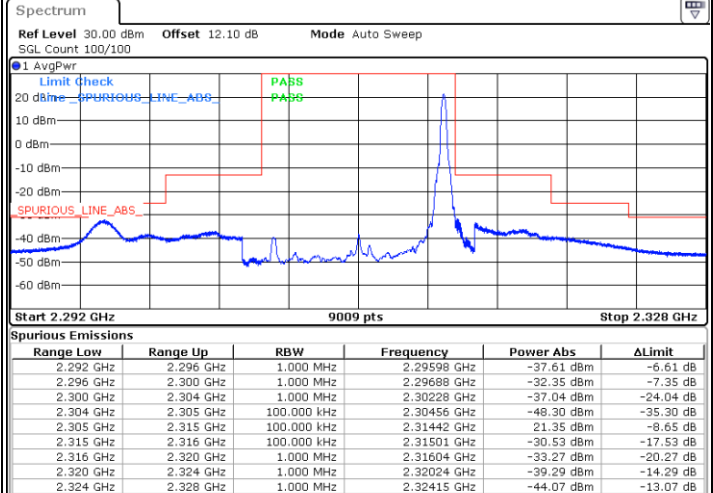
LTE Band 30 / 10MHz / QPSK

Lowest Band Edge / 1 RB



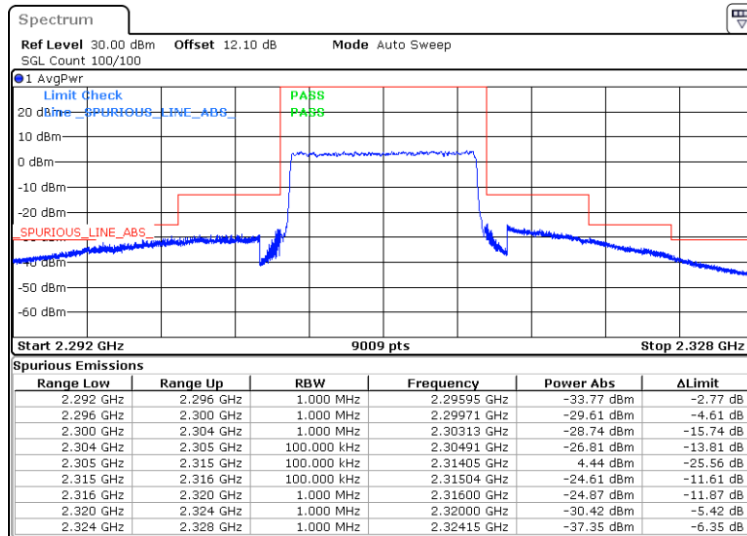
Date: 7.OCT.2022 02:06:46

Highest Band Edge / 1 RB



Date: 7.OCT.2022 02:10:27

Band Edge / Full RB

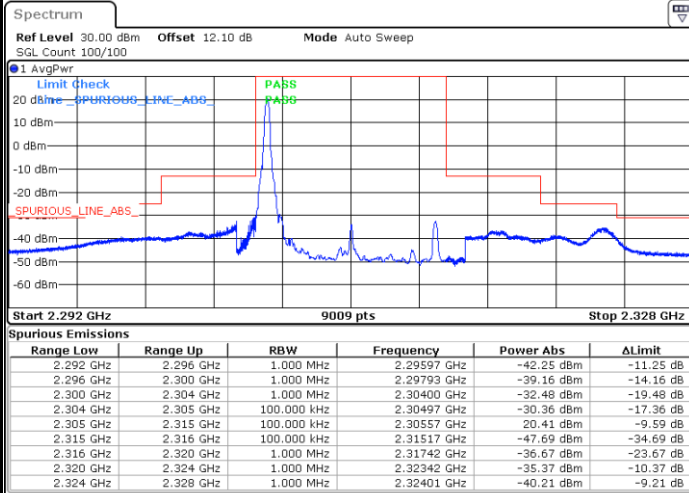


Date: 7.OCT.2022 02:14:09



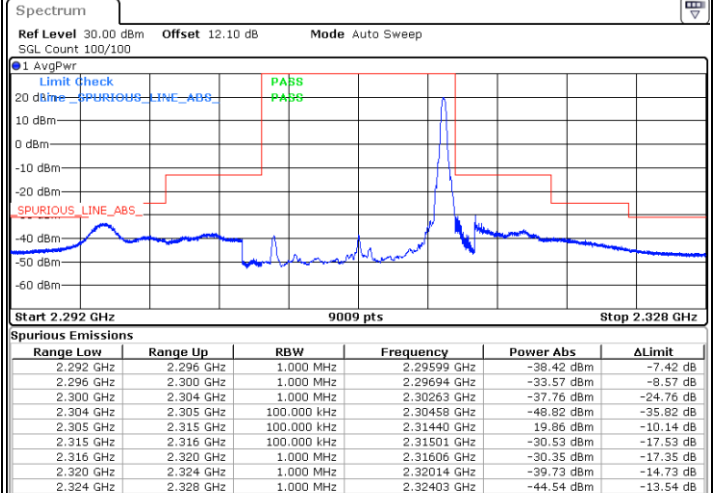
LTE Band 30 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



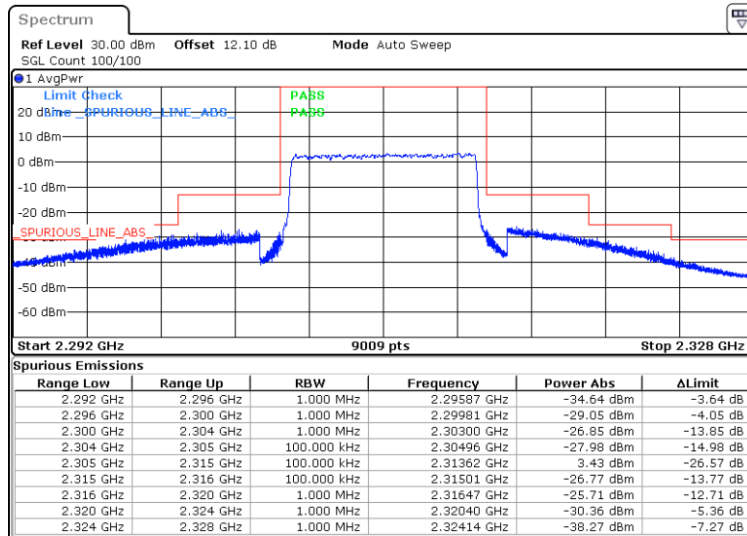
Date: 7.OCT.2022 02:07:41

Highest Band Edge / 1 RB



Date: 7.OCT.2022 02:11:22

Band Edge / Full RB

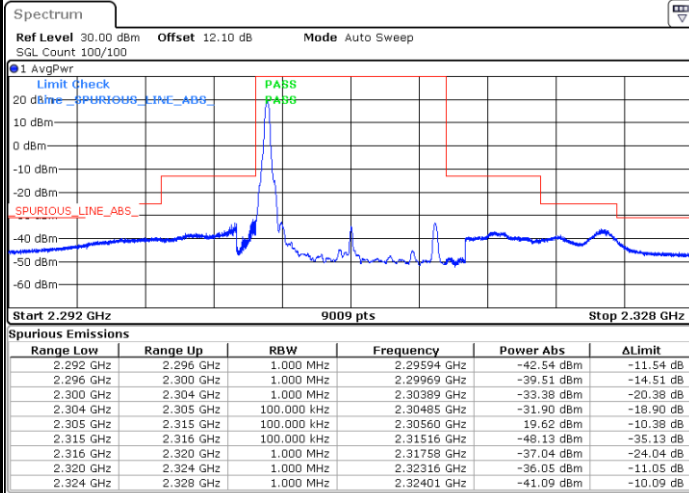


Date: 7.OCT.2022 02:15:04



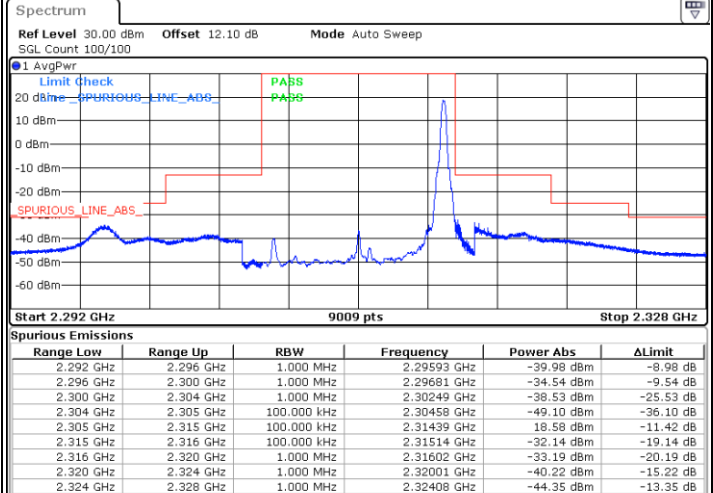
LTE Band 30 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



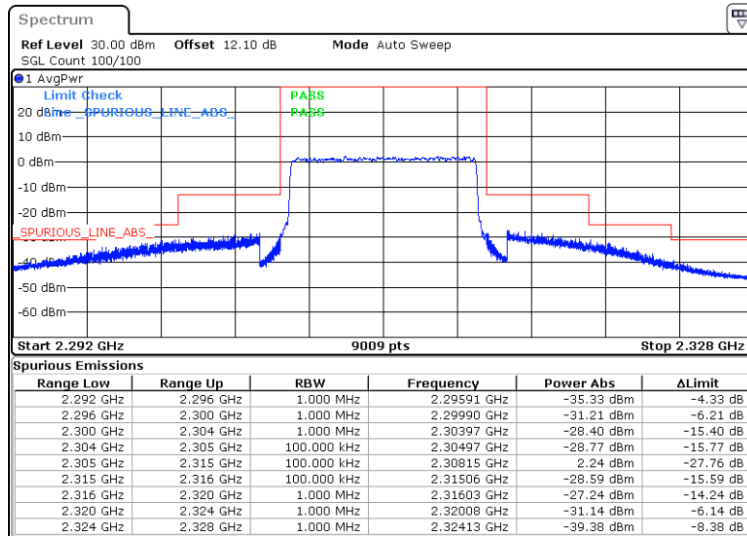
Date: 7.OCT.2022 02:08:36

Highest Band Edge / 1 RB



Date: 7.OCT.2022 02:12:18

Band Edge / Full RB

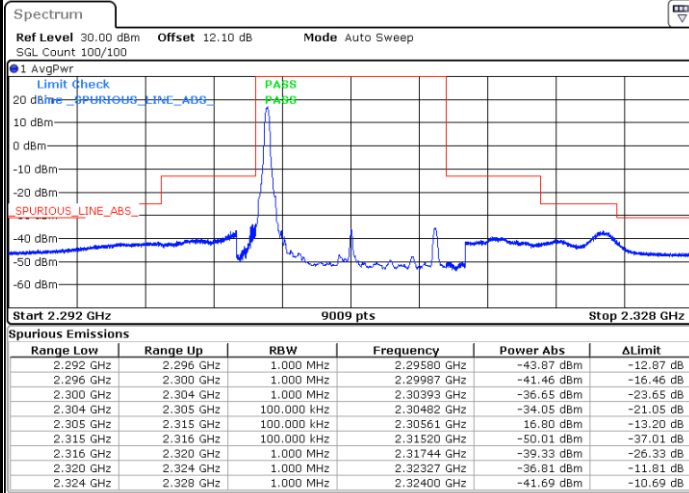


Date: 7.OCT.2022 02:15:59



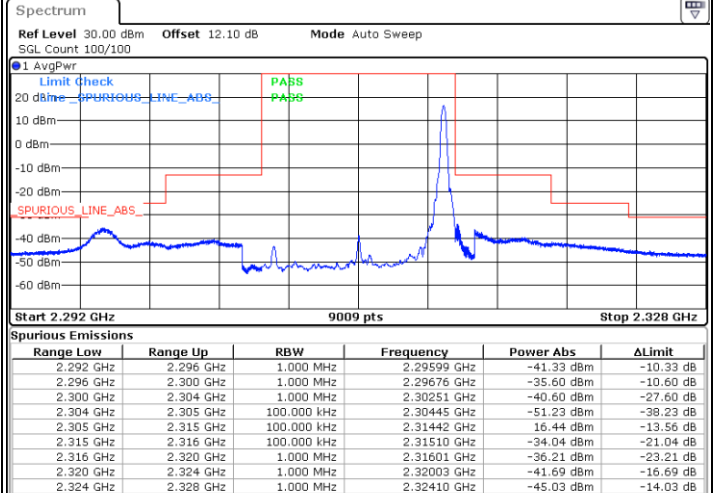
LTE Band 30 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



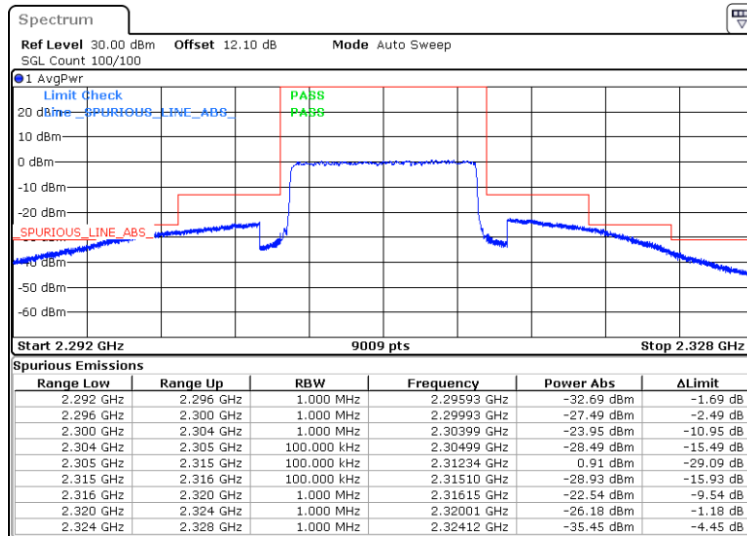
Date: 7.OCT.2022 02:09:31

Highest Band Edge / 1 RB



Date: 7.OCT.2022 02:13:13

Band Edge / Full RB



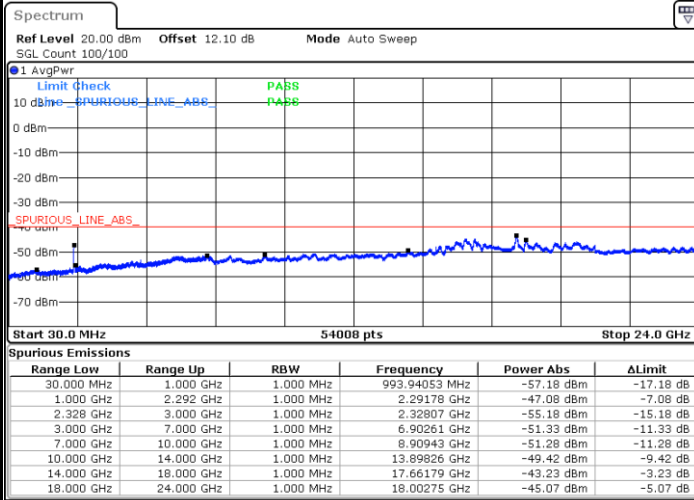
Date: 7.OCT.2022 02:16:55



Conducted Spurious Emission

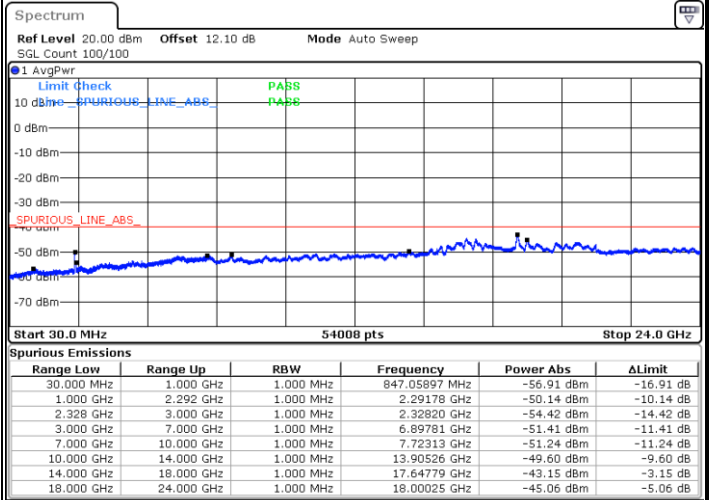
LTE Band 30 / 5MHz

Lowest Channel / QPSK



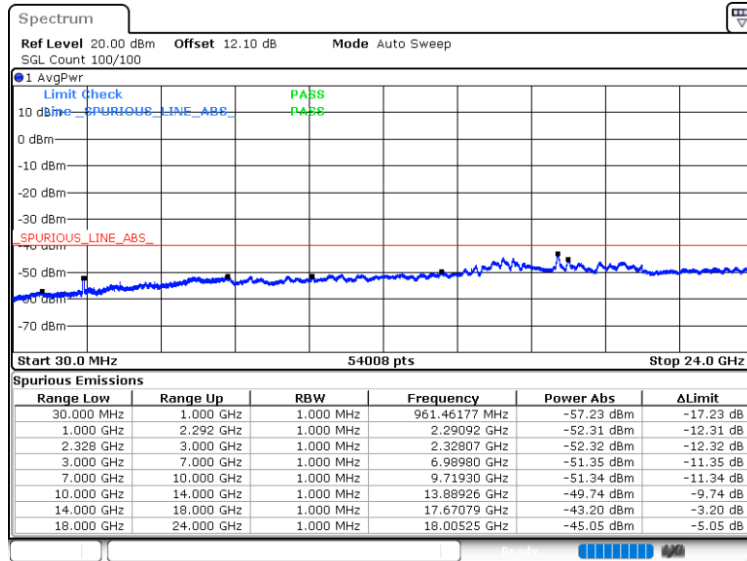
Date: 14.OCT.2022 19:38:28

Middle Channel / QPSK



Date: 14.OCT.2022 19:39:40

Highest Channel / QPSK

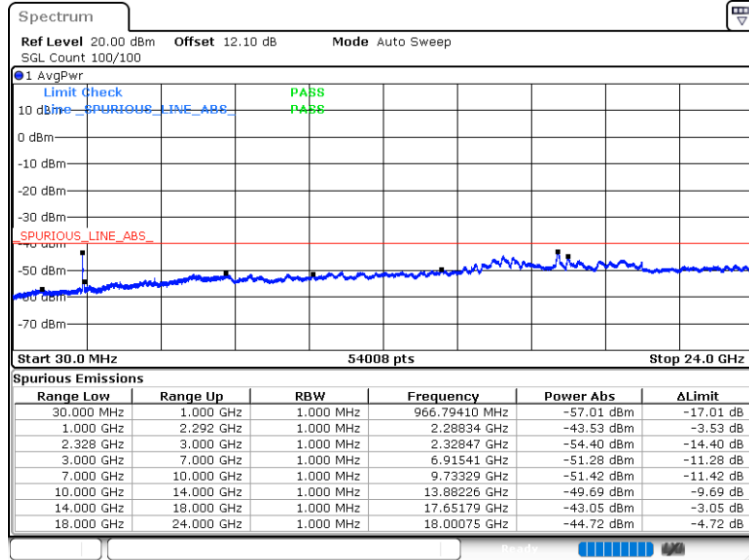


Date: 14.OCT.2022 19:40:52



LTE Band 30 / 10MHz

Middle Channel / QPSK



Date: 14.OCT.2022 19:42:29

Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0038	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0030	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0049	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0045	

Note:

1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.60 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

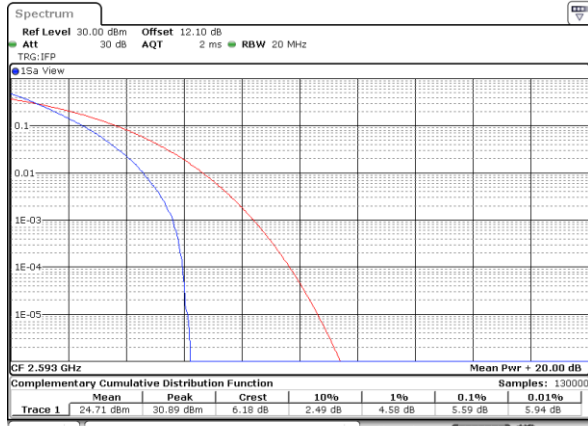
**LTE Band 41_HPUE****Peak-to-Average Ratio**

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	5.59	6.35	6.67	7.01	PASS



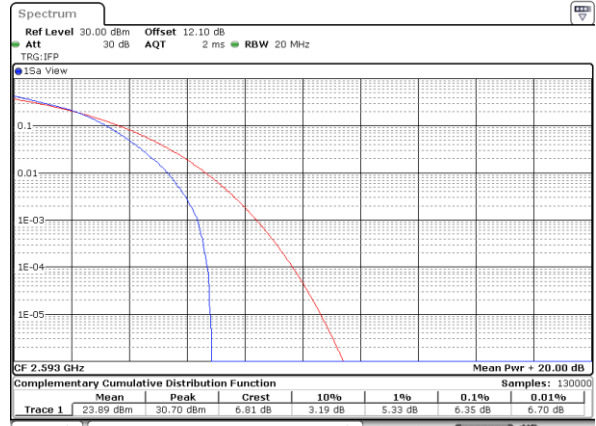
LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



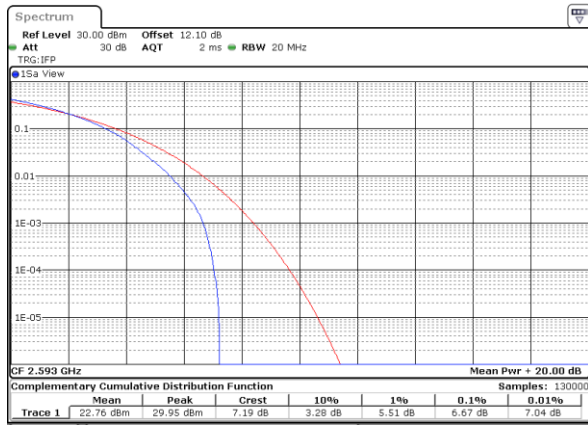
LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



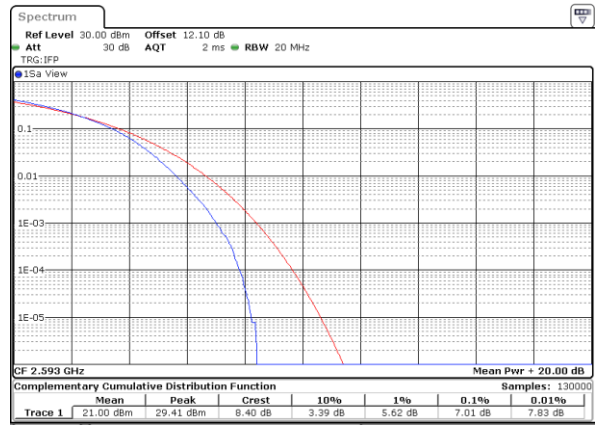
LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 256QAM

Middle Channel / Full RB



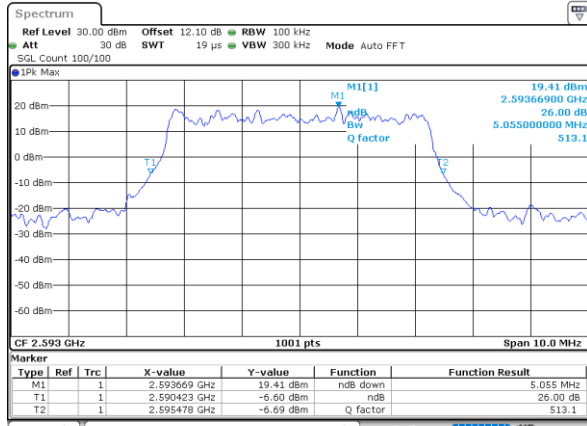
**26dB Bandwidth**

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	-	-	-	-	5.06	5.06	9.73	9.67	14.54	14.36	19.14	18.86
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	4.95	10.11	9.65	14.66	14.54	19.14	19.22



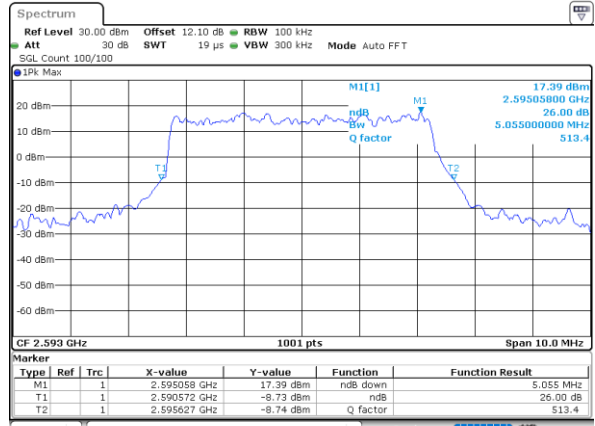
LTE Band 41

Middle Channel / 5MHz / QPSK



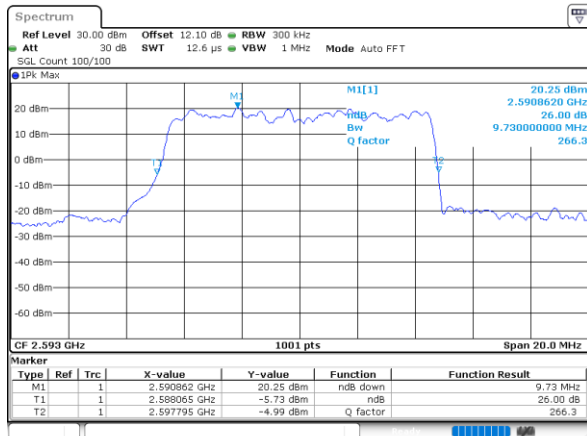
Date: 14.OCT.2022 00:39:04

Middle Channel / 5MHz / 16QAM



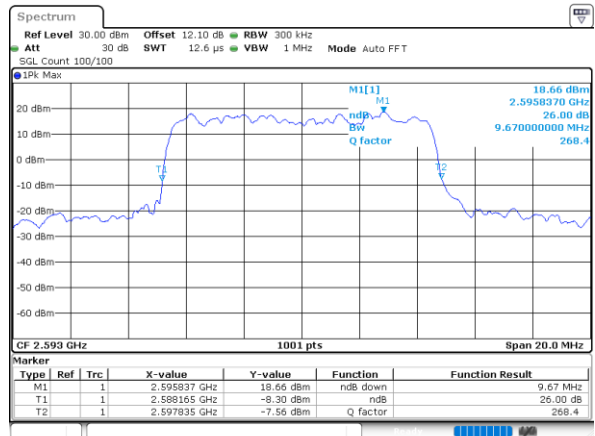
Date: 14.OCT.2022 00:39:29

Middle Channel / 10MHz / QPSK



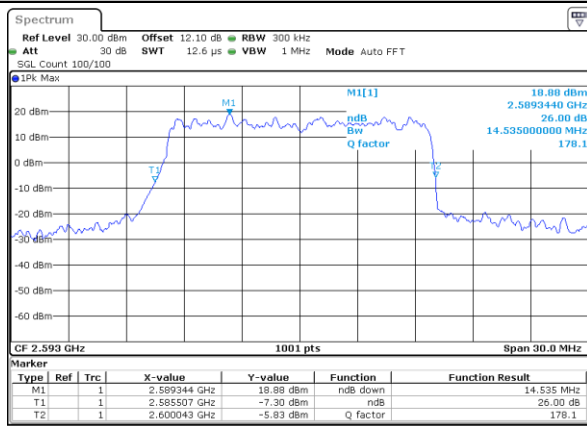
Date: 14.OCT.2022 01:13:20

Middle Channel / 10MHz / 16QAM



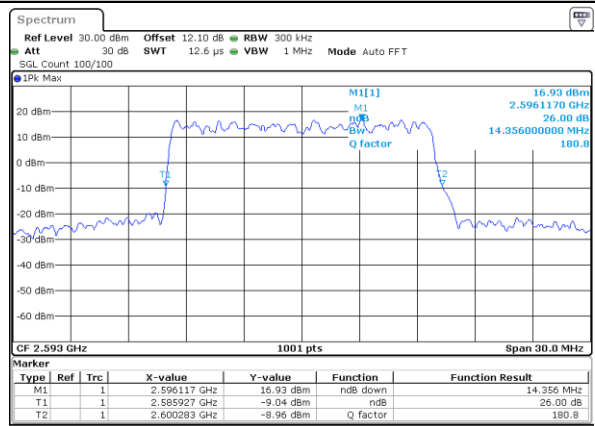
Date: 14.OCT.2022 01:13:46

Middle Channel / 15MHz / QPSK



Date: 14.OCT.2022 01:19:42

Middle Channel / 15MHz / 16QAM

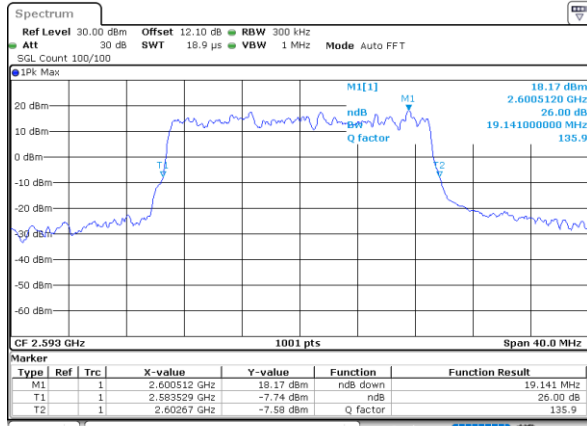


Date: 14.OCT.2022 01:20:07



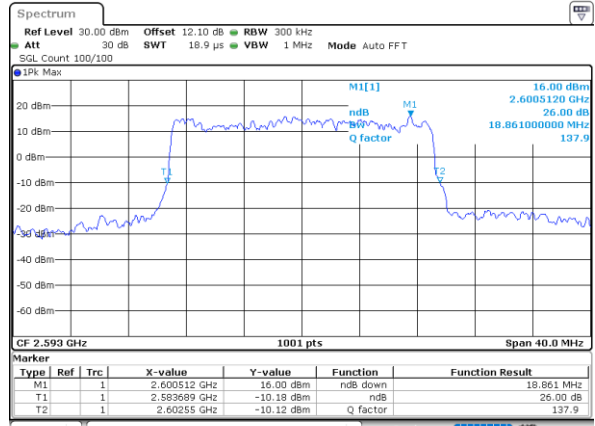
LTE Band 41

Middle Channel / 20MHz / QPSK



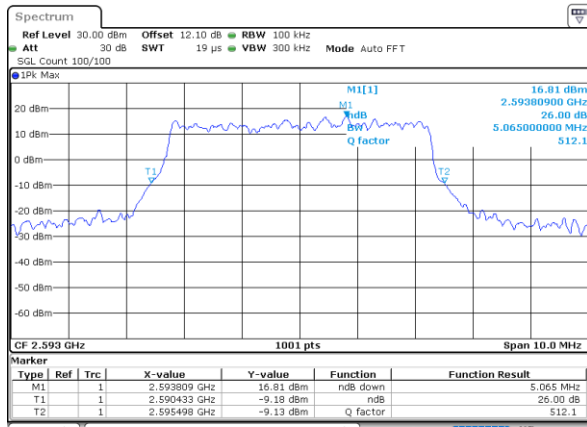
Date: 14.OCT.2022 01:26:01

Middle Channel / 20MHz / 16QAM



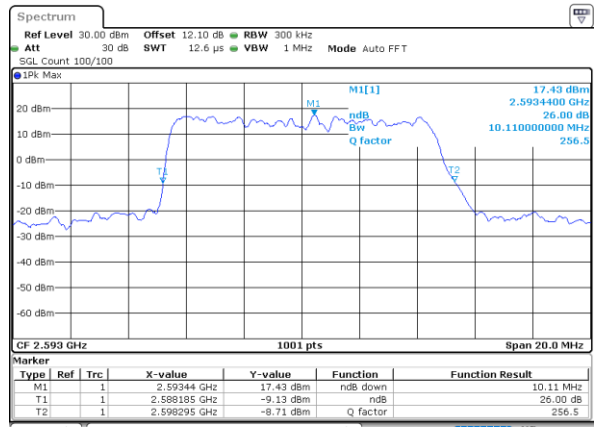
Date: 14.OCT.2022 01:26:27

Middle Channel / 5MHz / 64QAM



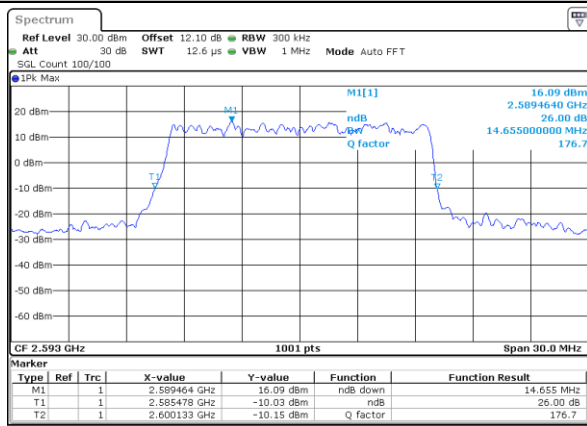
Date: 14.OCT.2022 00:48:09

Middle Channel / 10MHz / 64QAM



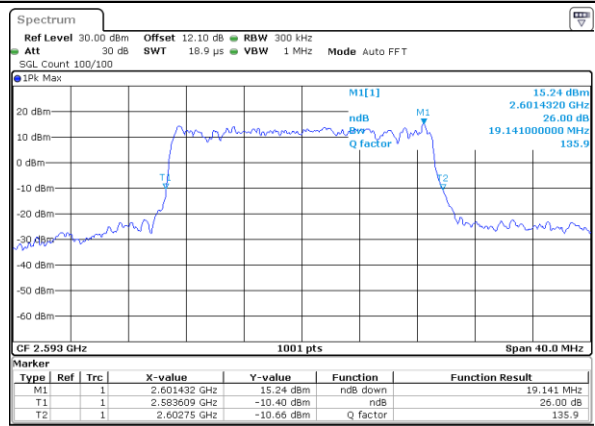
Date: 14.OCT.2022 01:14:26

Middle Channel / 15MHz / 64QAM



Date: 14.OCT.2022 01:20:48

Middle Channel / 20MHz / 64QAM

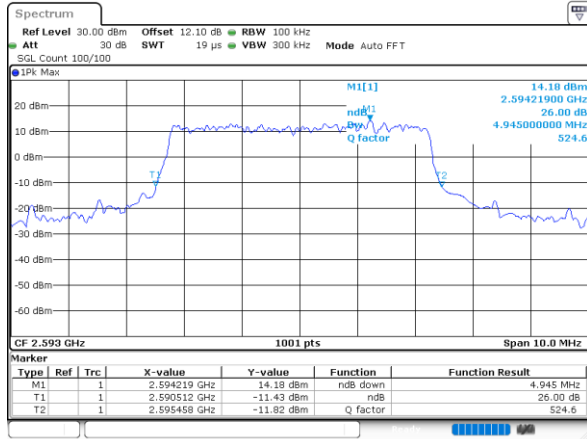


Date: 14.OCT.2022 01:27:07



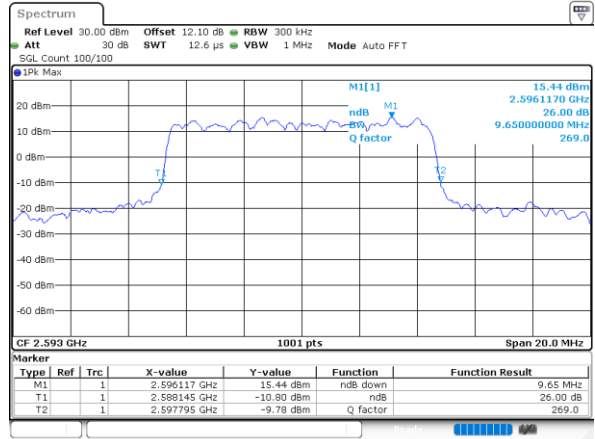
LTE Band 41

Middle Channel / 5MHz / 256QAM



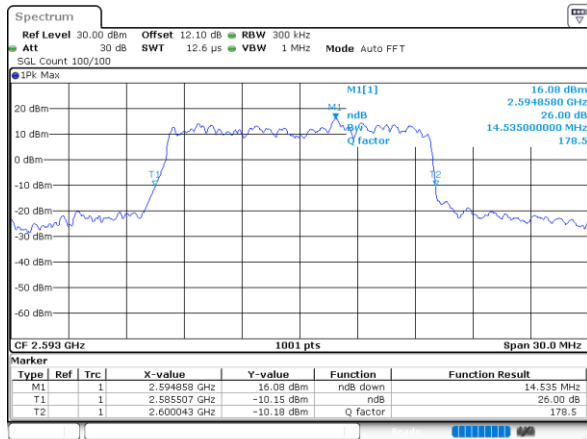
Date: 14.OCT.2022 01:32:52

Middle Channel / 10MHz / 256QAM



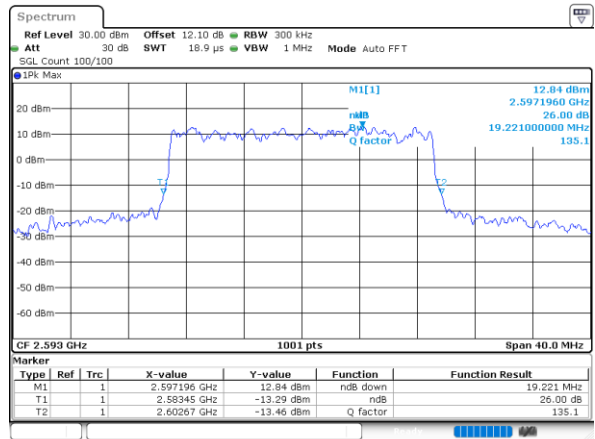
Date: 14.OCT.2022 01:37:32

Middle Channel / 15MHz / 256QAM



Date: 14.OCT.2022 01:42:12

Middle Channel / 20MHz / 256QAM



Date: 14.OCT.2022 01:46:52

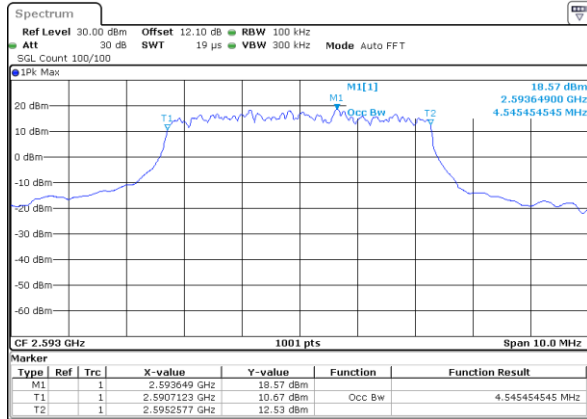
**Occupied Bandwidth**

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	-	-	-	-	4.55	4.56	8.97	9.01	13.43	13.43	17.94	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	-	-	-	-	4.50	4.48	8.99	9.05	13.49	13.43	17.90	17.94



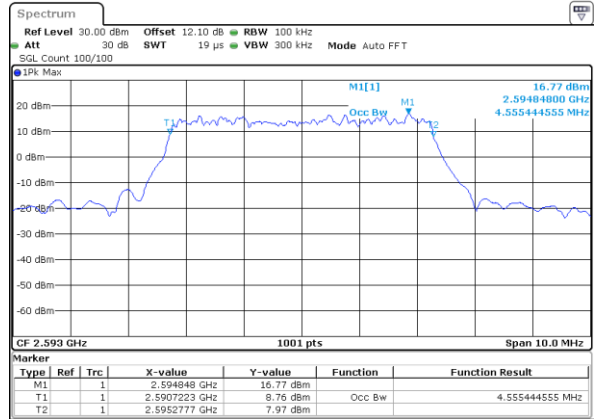
LTE Band 41

Middle Channel / 5MHz / QPSK



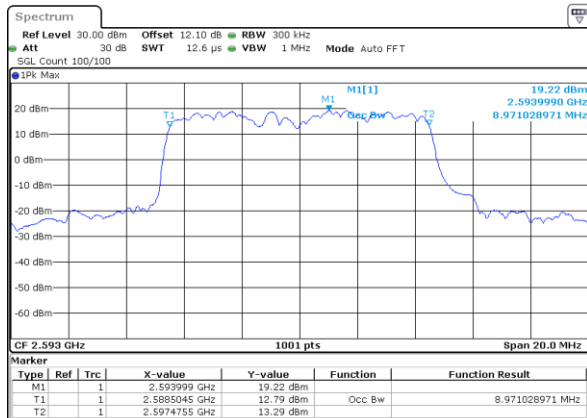
Date: 14.OCT.2022 00:38:13

Middle Channel / 5MHz / 16QAM



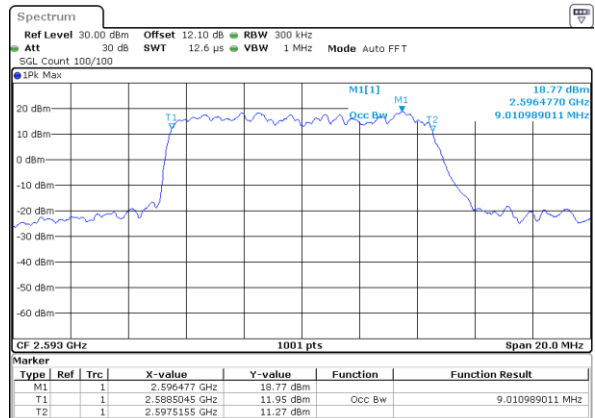
Date: 14.OCT.2022 00:38:38

Middle Channel / 10MHz / QPSK



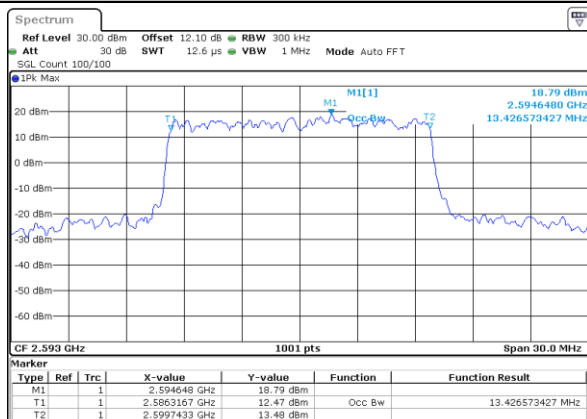
Date: 14.OCT.2022 01:12:28

Middle Channel / 10MHz / 16QAM



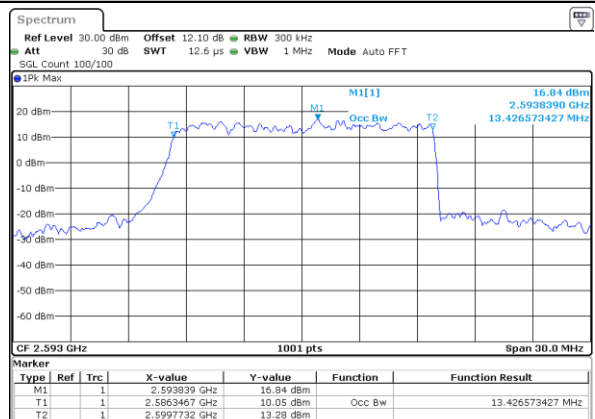
Date: 14.OCT.2022 01:12:54

Middle Channel / 15MHz / QPSK



Date: 14.OCT.2022 01:18:50

Middle Channel / 15MHz / 16QAM

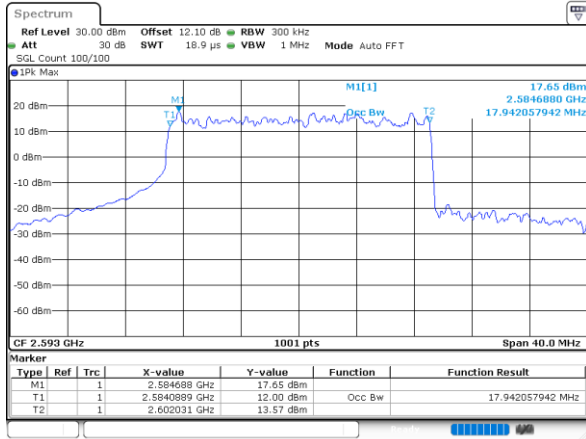


Date: 14.OCT.2022 01:19:16



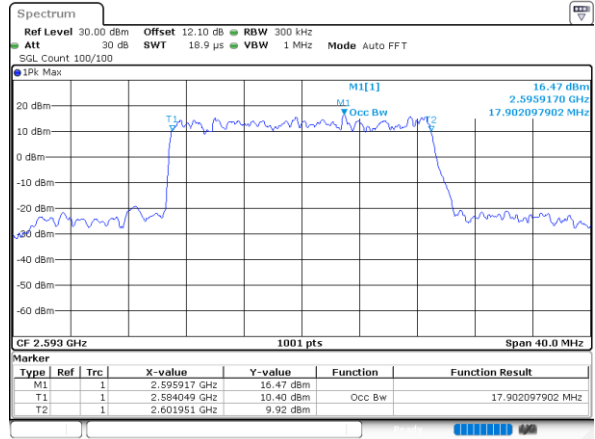
LTE Band 41

Middle Channel / 20MHz / QPSK



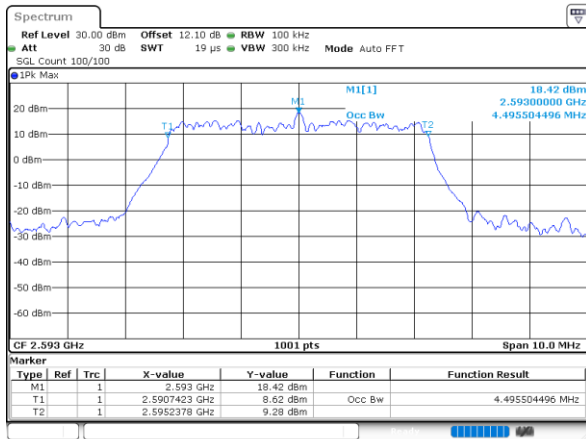
Date: 14.OCT.2022 01:25:09

Middle Channel / 20MHz / 16QAM



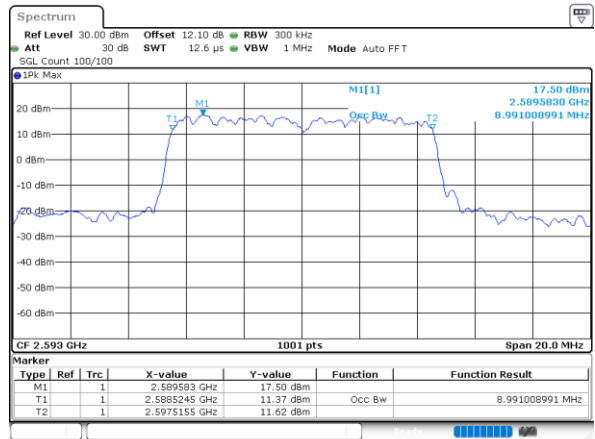
Date: 14.OCT.2022 01:25:35

Middle Channel / 5MHz / 64QAM



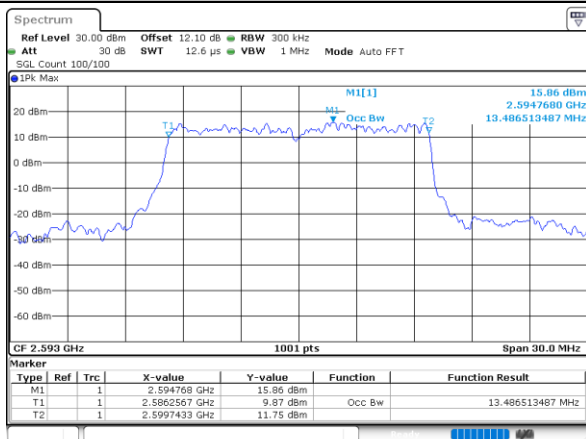
Date: 14.OCT.2022 00:39:55

Middle Channel / 10MHz / 64QAM



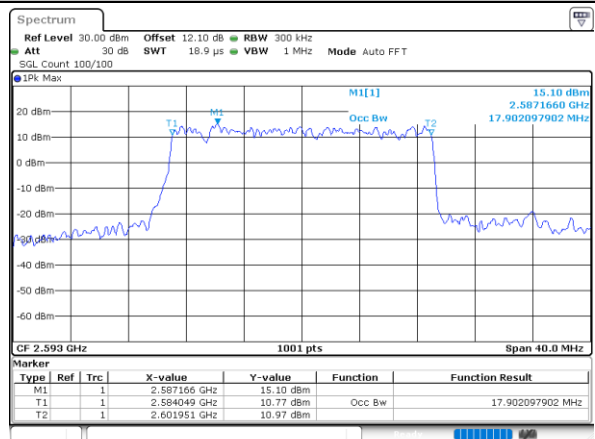
Date: 14.OCT.2022 01:14:12

Middle Channel / 15MHz / 64QAM



Date: 14.OCT.2022 01:20:34

Middle Channel / 20MHz / 64QAM

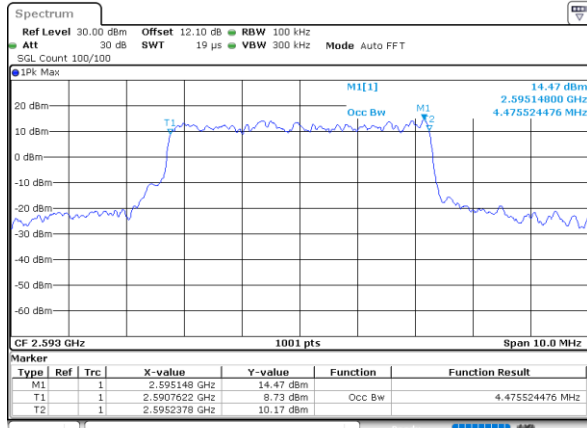


Date: 14.OCT.2022 01:26:53

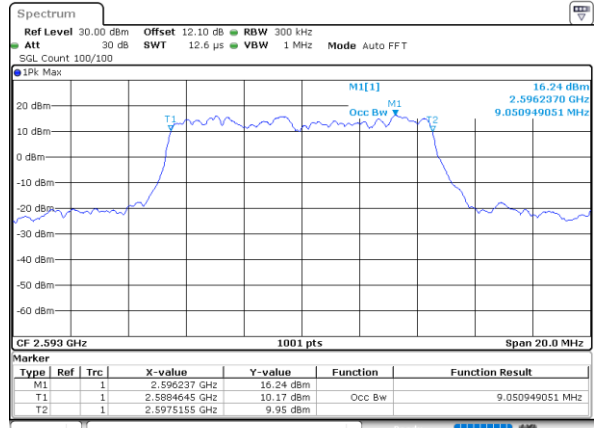


LTE Band 41

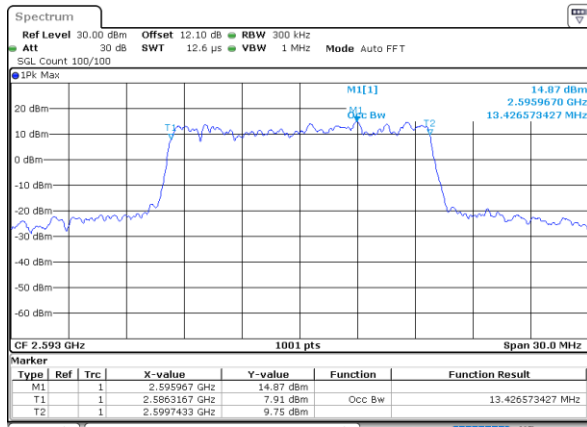
Middle Channel / 5MHz / 256QAM



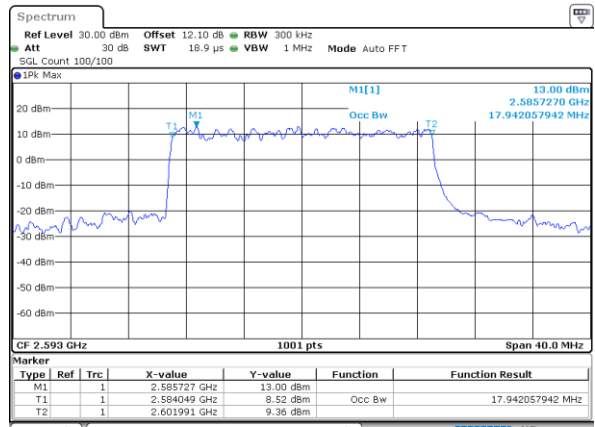
Middle Channel / 10MHz / 256QAM

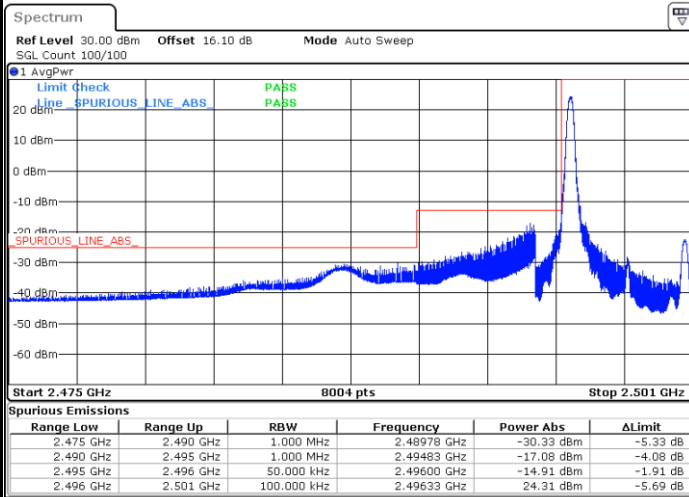
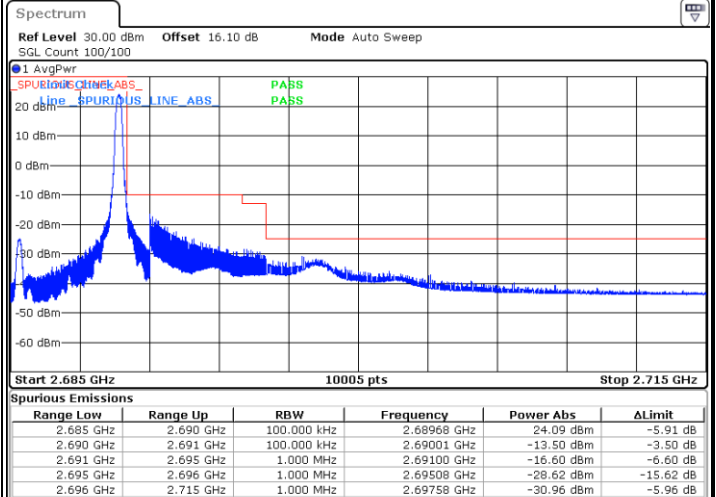
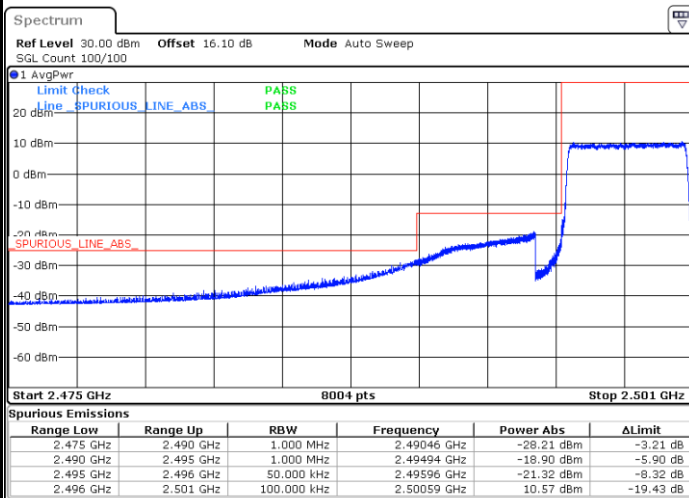
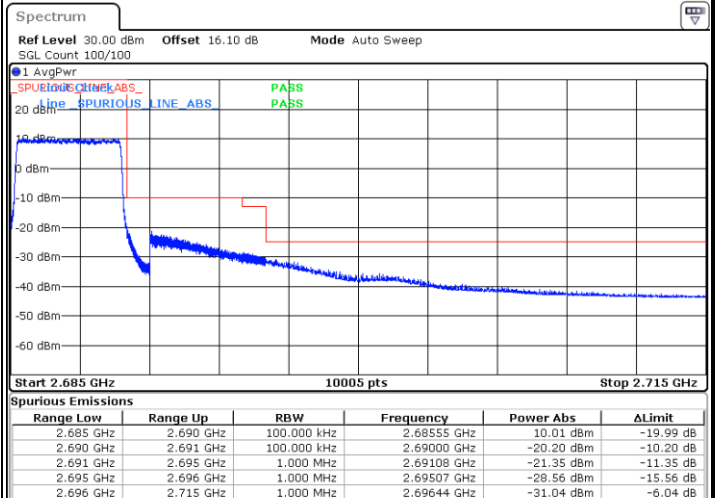


Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

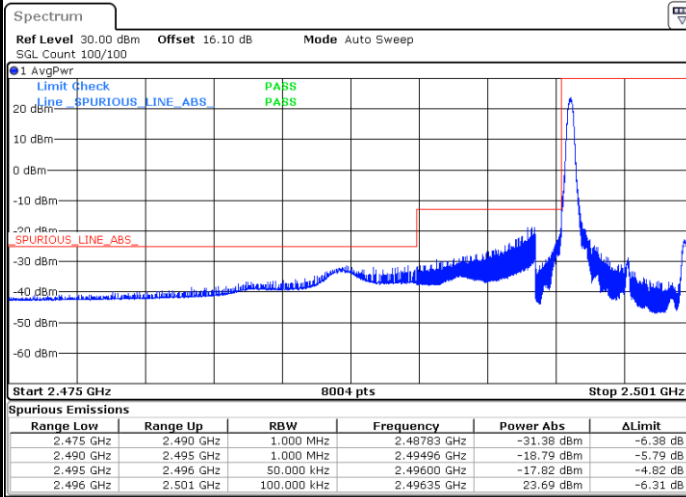


**Conducted Band Edge****LTE Band 41 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

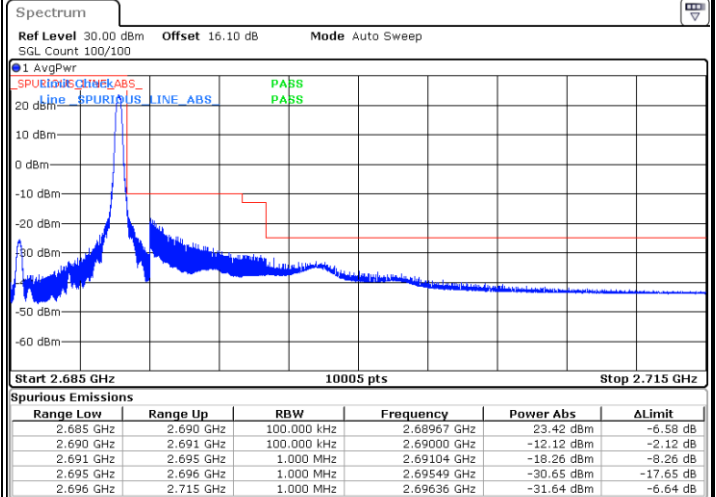


LTE Band 41 / 5MHz / 16QAM

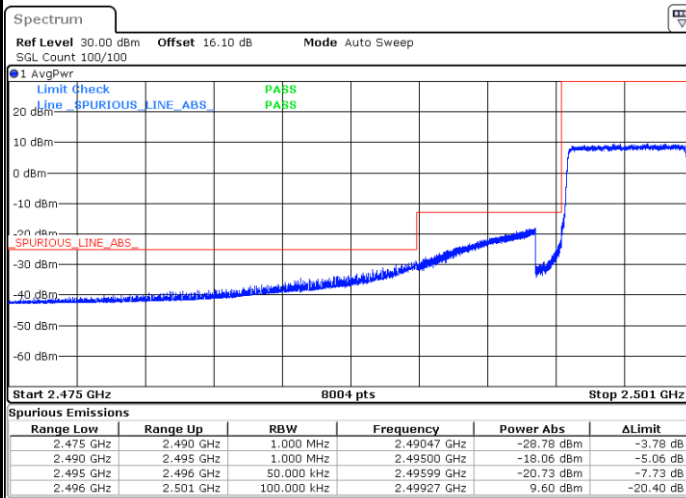
Lowest Band Edge / 1RB



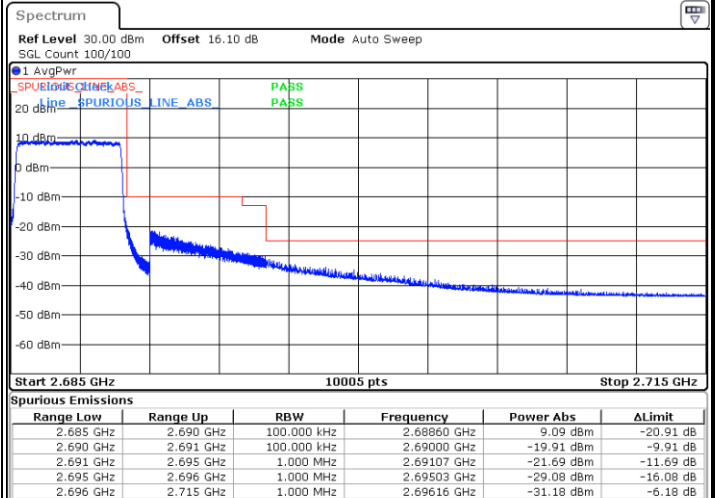
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



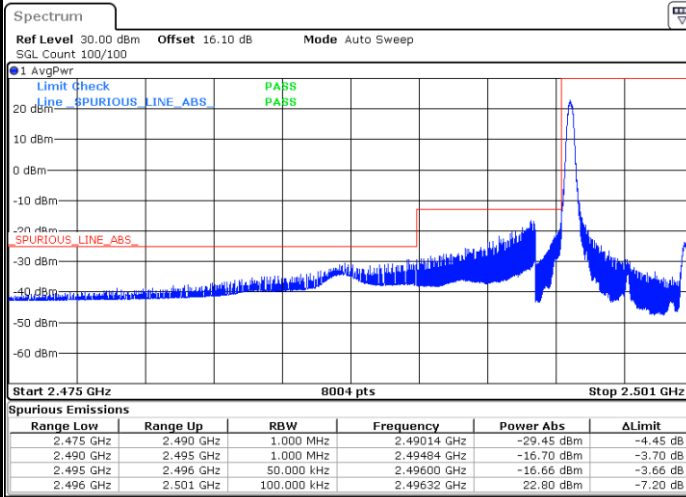
Highest Band Edge / Full RB



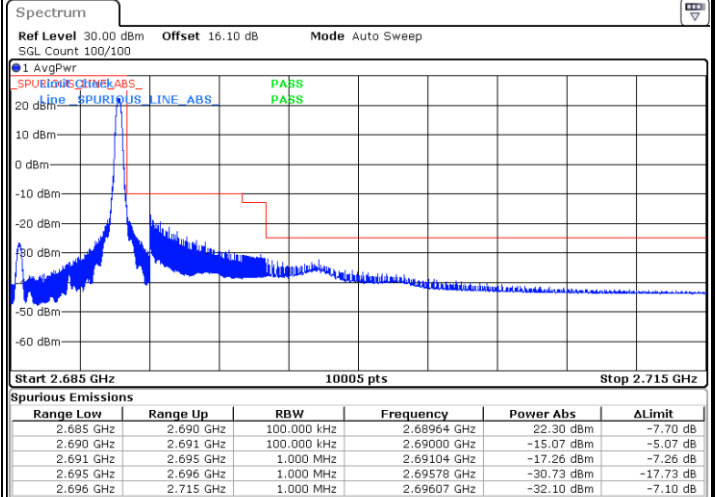


LTE Band 41 / 5MHz / 64QAM

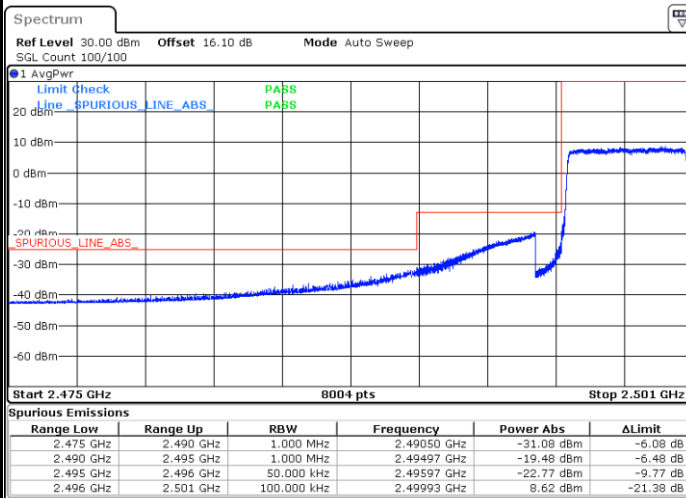
Lowest Band Edge / 1RB



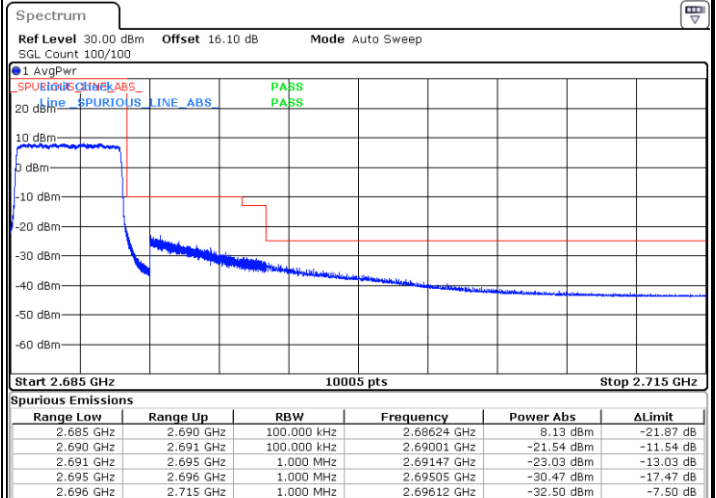
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



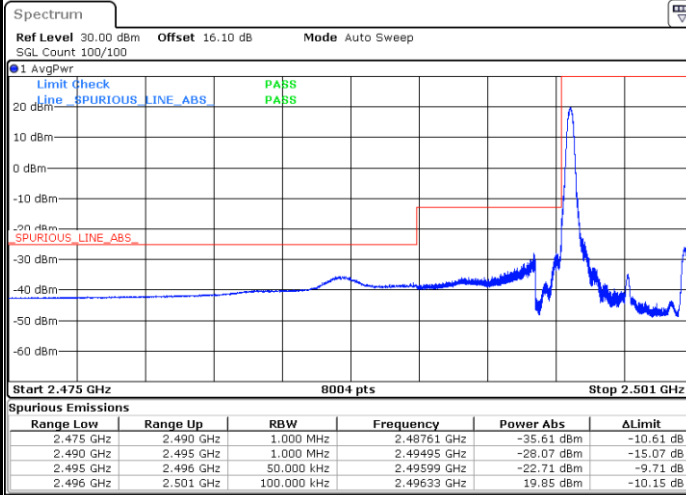
Highest Band Edge / Full RB



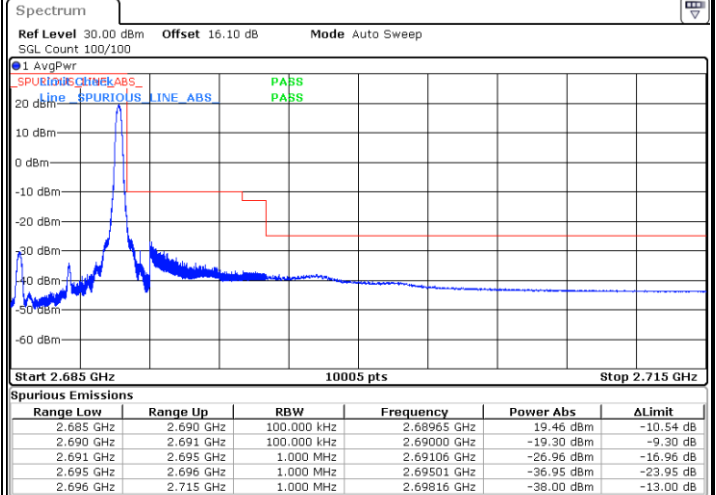


LTE Band 41 / 5MHz / 256QAM

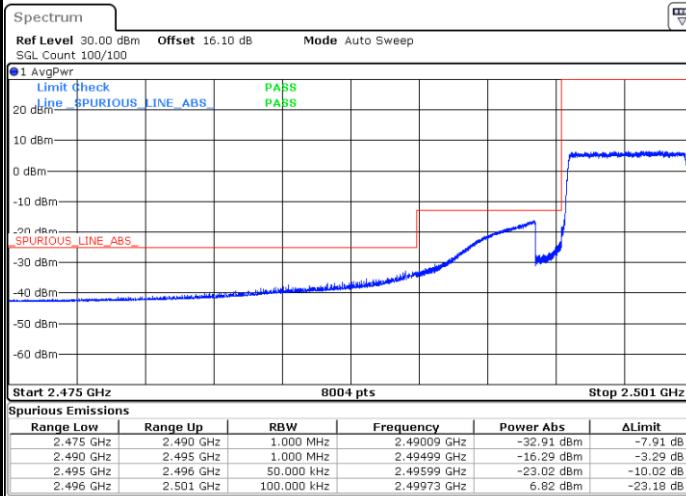
Lowest Band Edge / 1RB



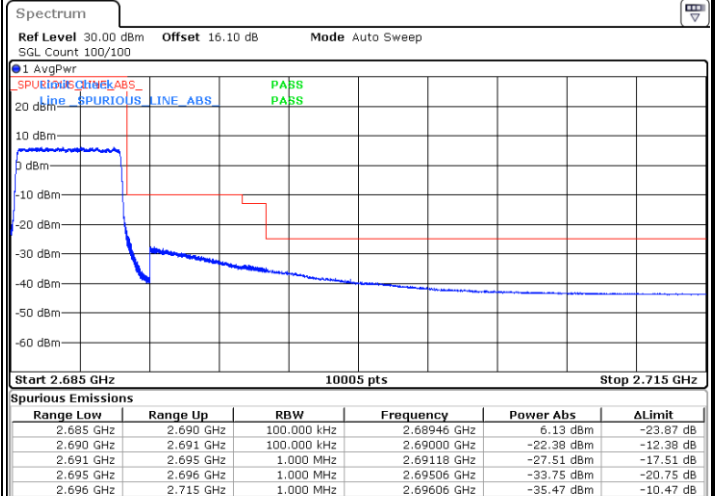
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



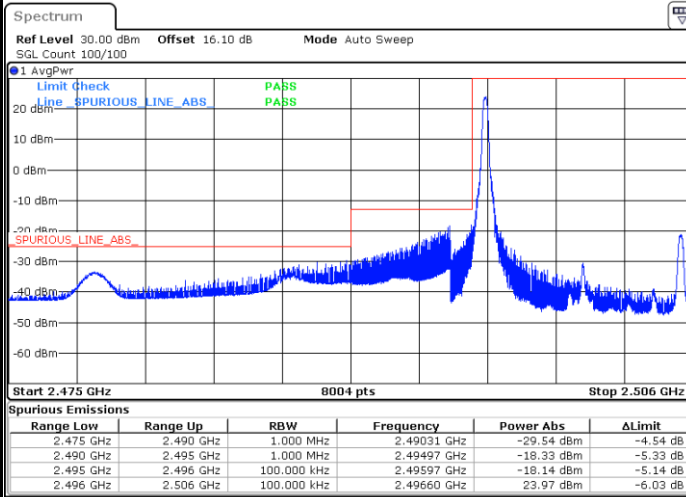
Highest Band Edge / Full RB





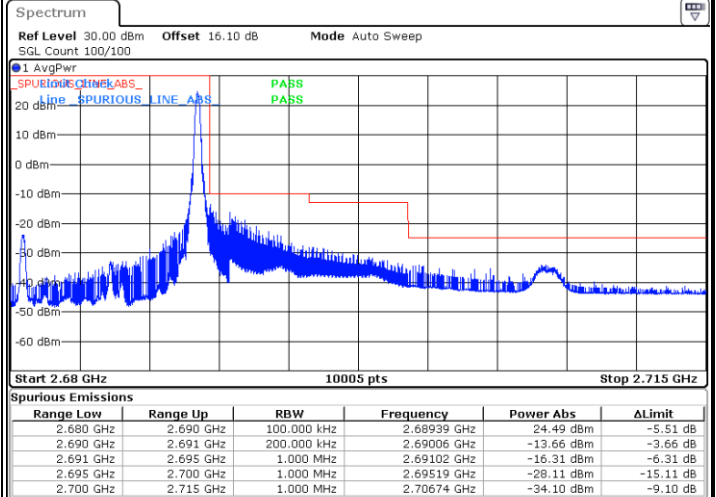
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



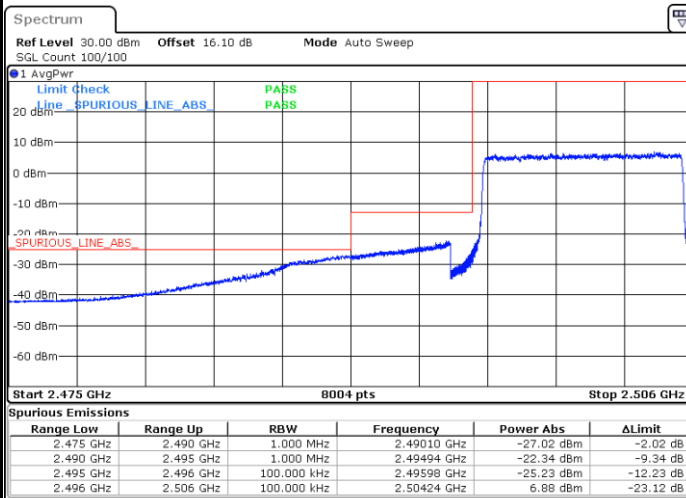
Date: 13.OCT.2022 23:31:40

Highest Band Edge / 1 RB



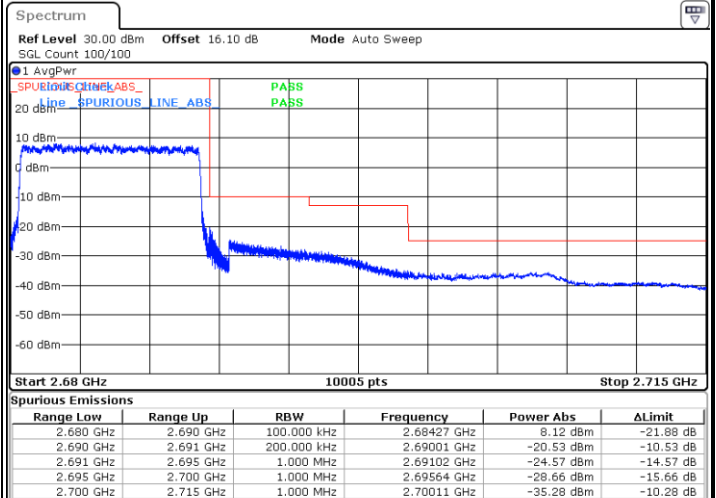
Date: 13.OCT.2022 23:35:24

Lowest Band Edge / Full RB



Date: 15.OCT.2022 00:38:10

Highest Band Edge / Full RB

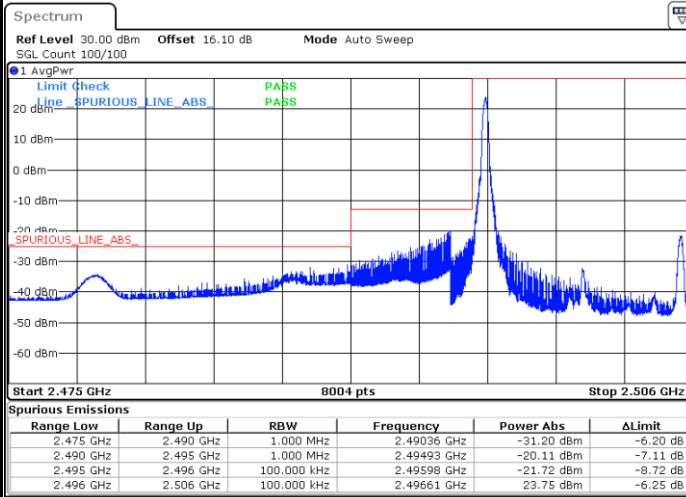


Date: 13.OCT.2022 23:37:15



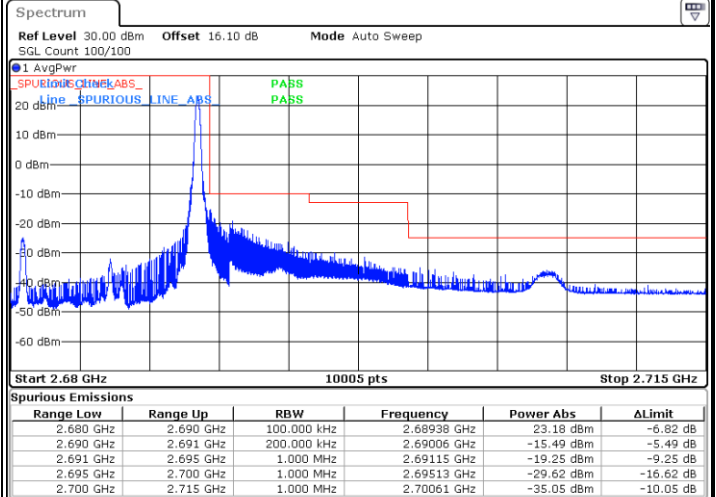
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



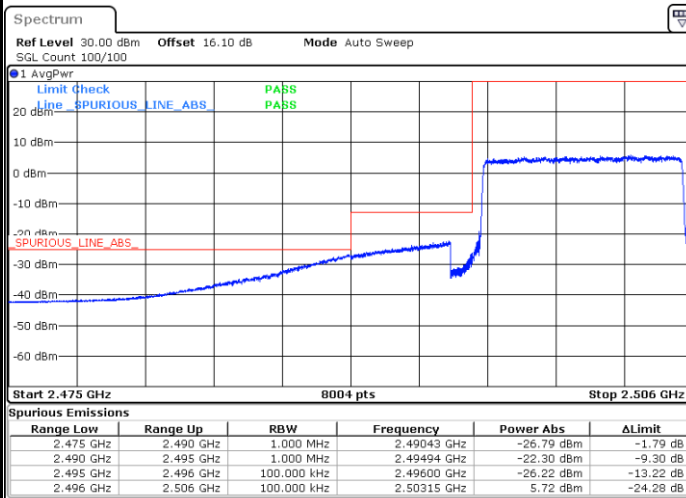
Date: 13.OCT.2022 23:32:36

Highest Band Edge / 1 RB



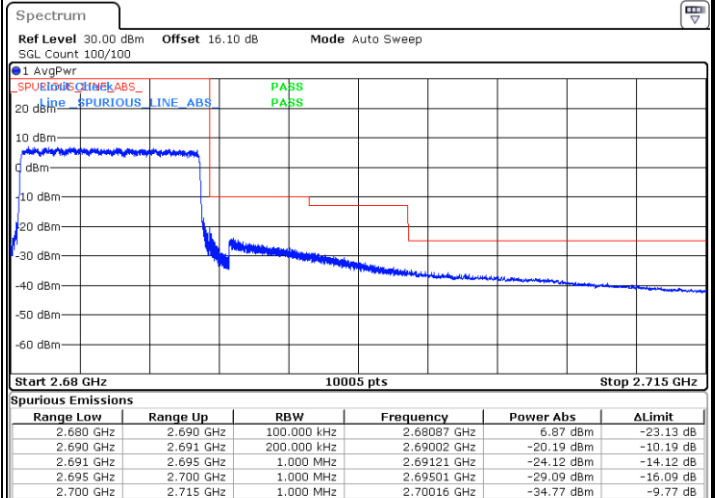
Date: 13.OCT.2022 23:36:20

Lowest Band Edge / Full RB



Date: 15.OCT.2022 00:36:56

Highest Band Edge / Full RB

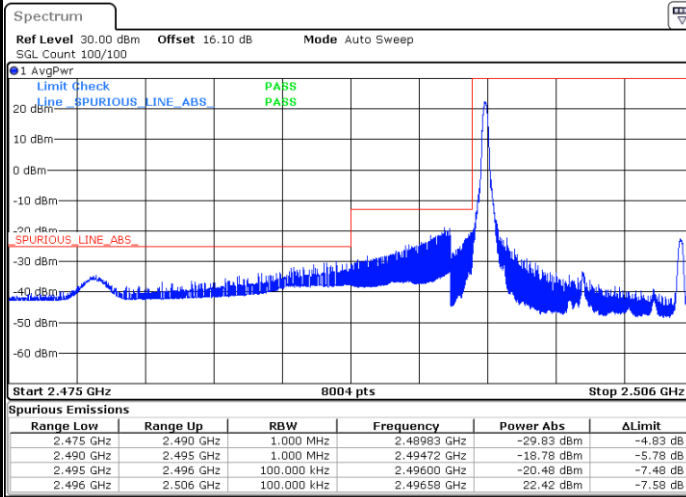


Date: 13.OCT.2022 23:38:11

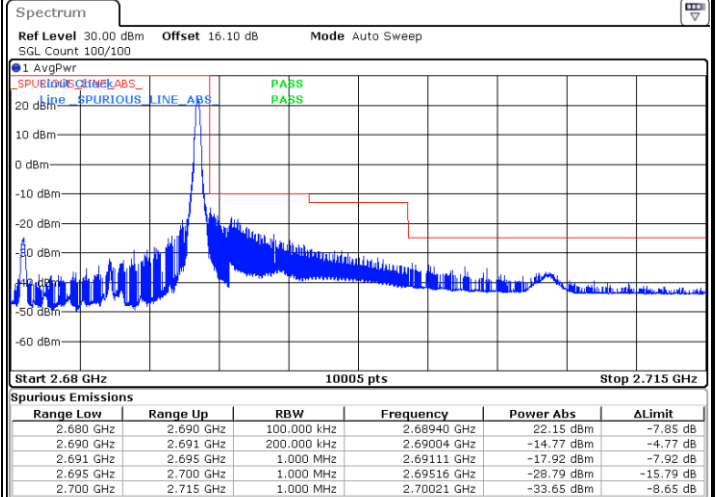


LTE Band 41 / 10MHz / 64QAM

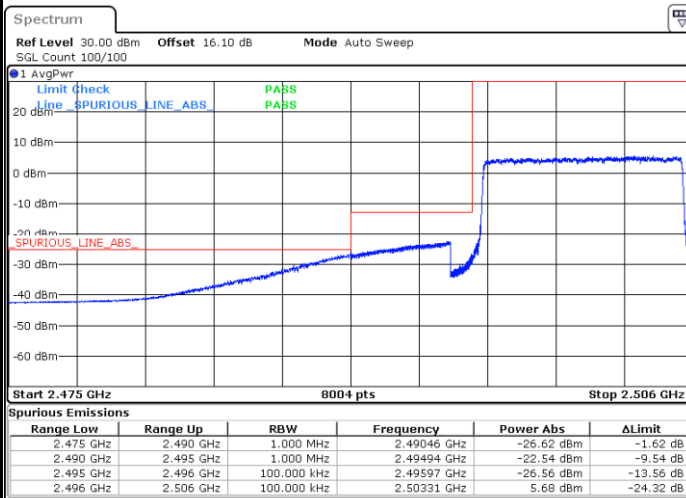
Lowest Band Edge / 1 RB



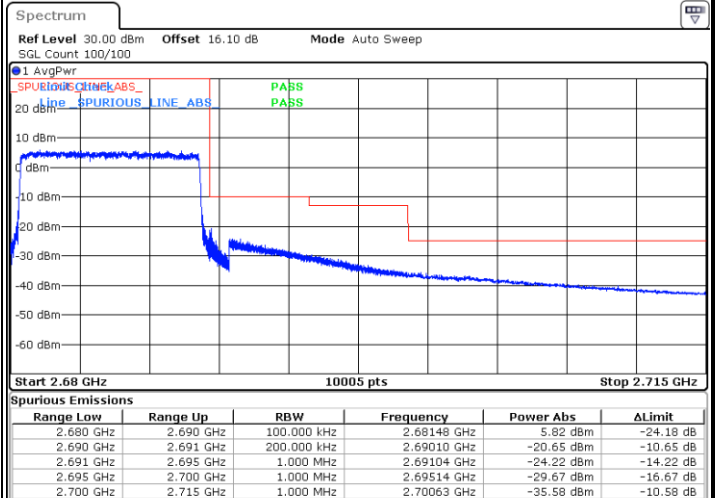
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



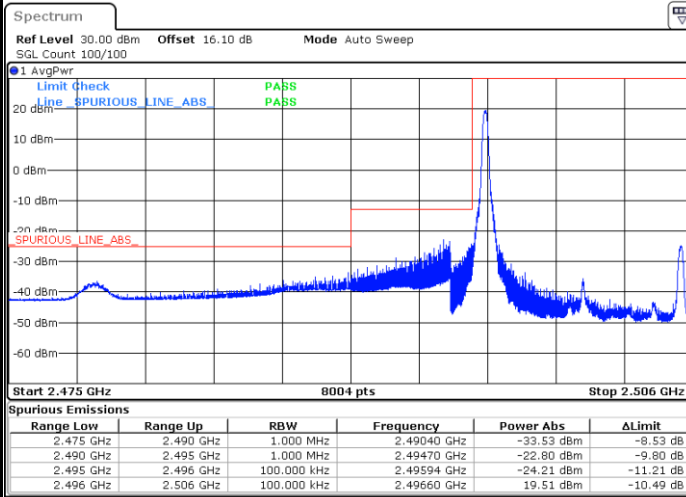
Highest Band Edge / Full RB





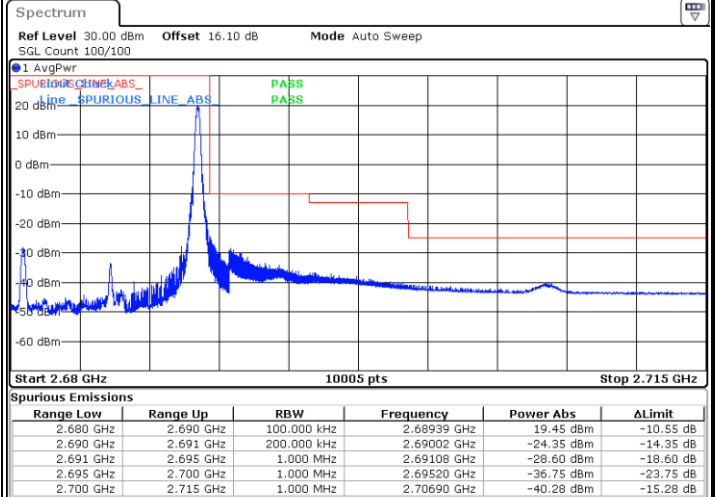
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



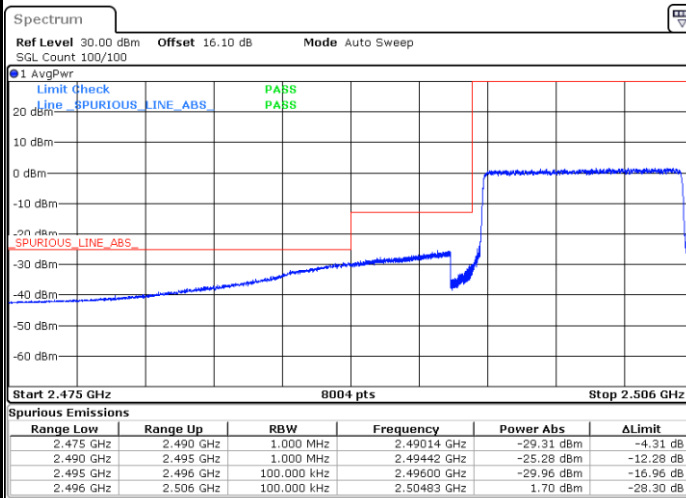
Date: 14.OCT.2022 00:23:59

Highest Band Edge / 1 RB



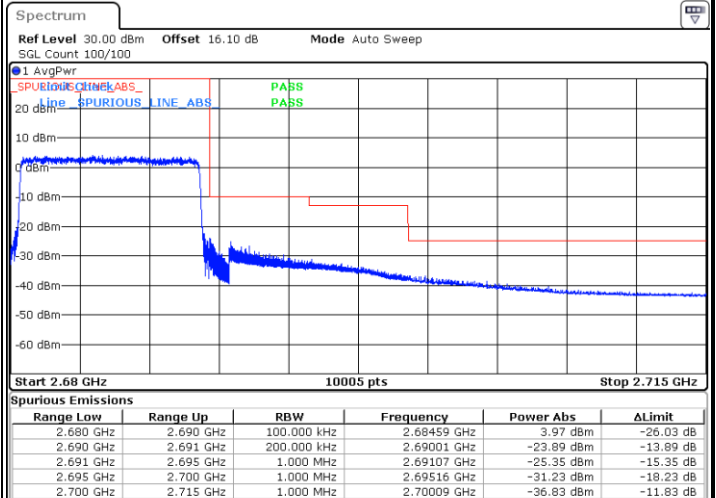
Date: 14.OCT.2022 00:25:51

Lowest Band Edge / Full RB



Date: 15.OCT.2022 00:40:18

Highest Band Edge / Full RB

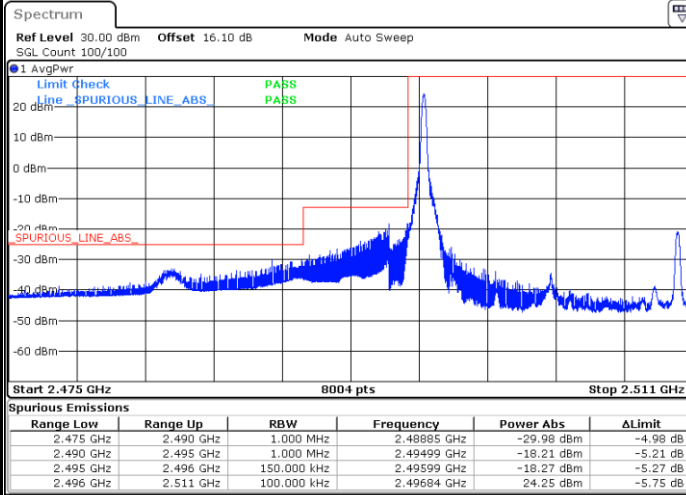


Date: 14.OCT.2022 00:26:46

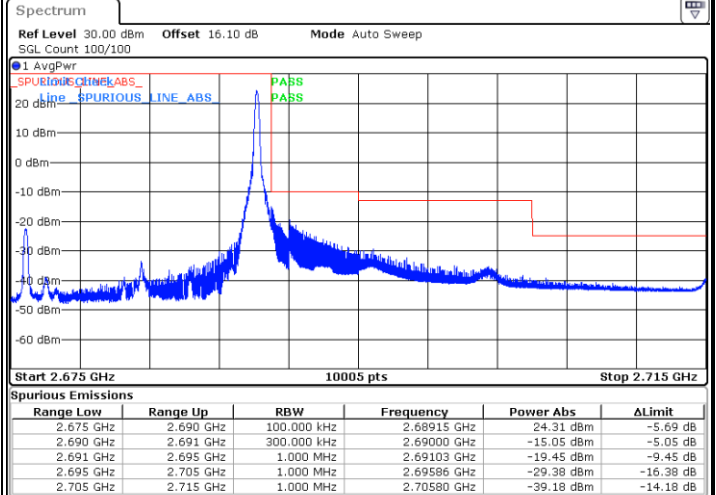


LTE Band 41 / 15MHz / QPSK

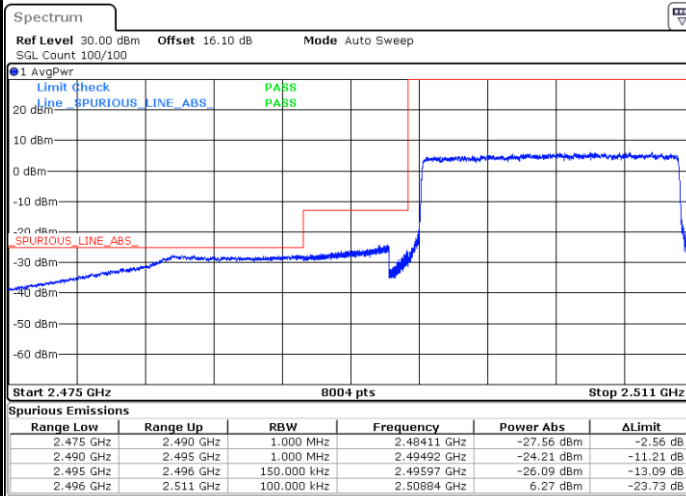
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

