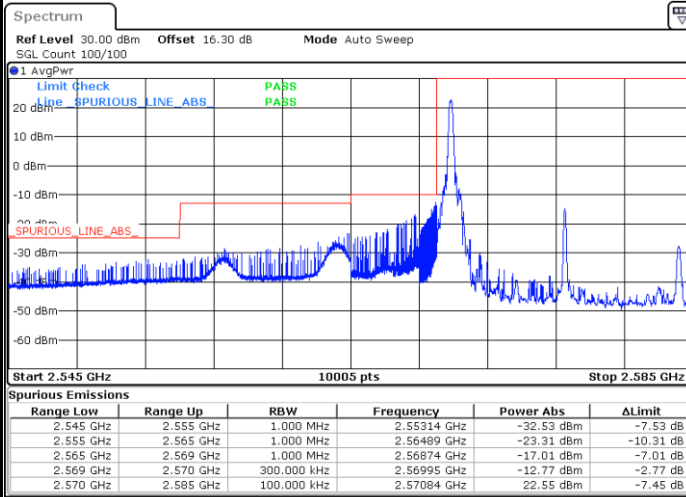


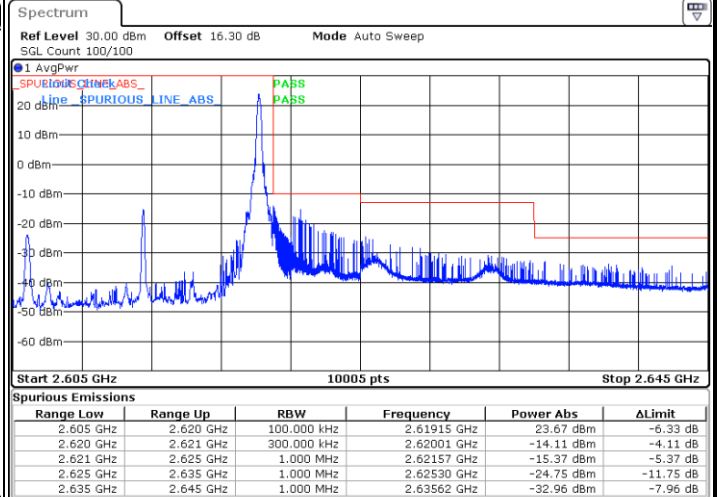


LTE Band 38 / 15MHz / QPSK

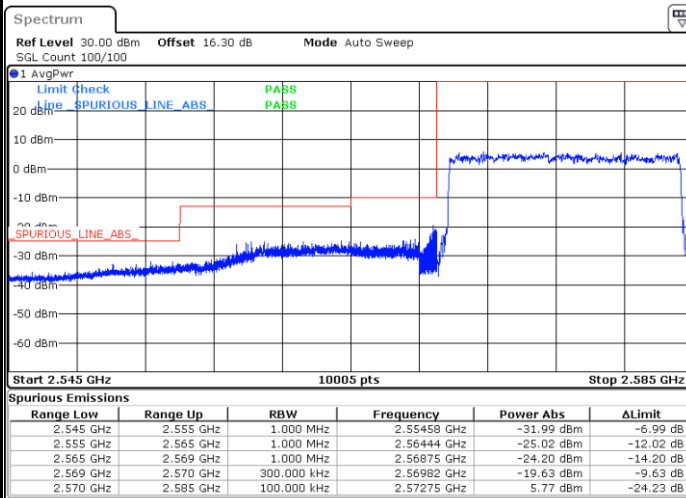
Lowest Band Edge / 1 RB



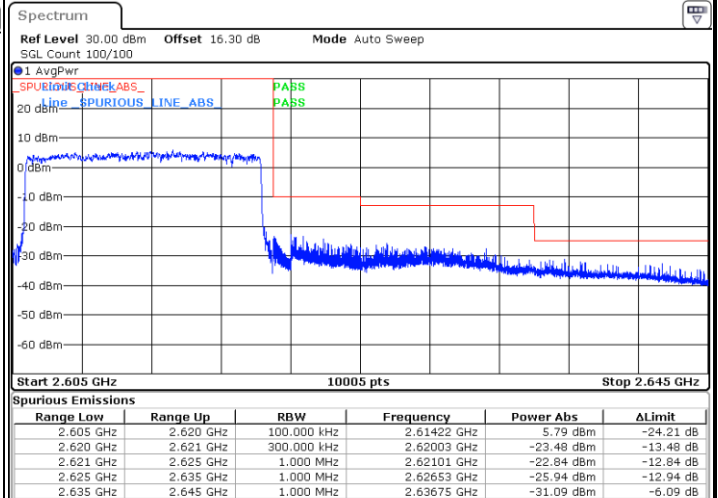
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



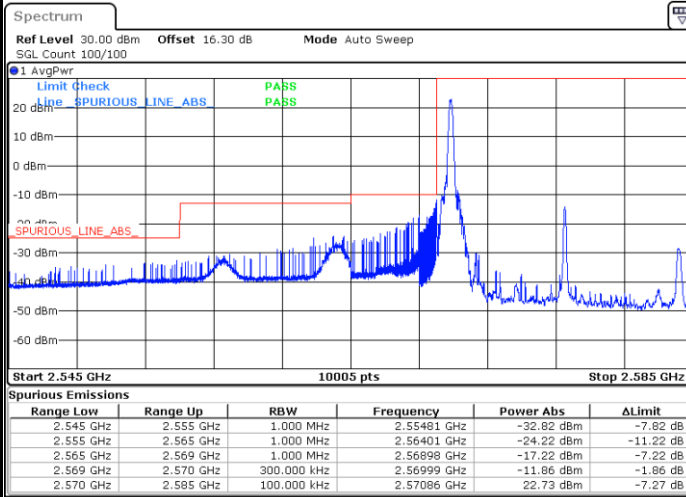
Highest Band Edge / Full RB



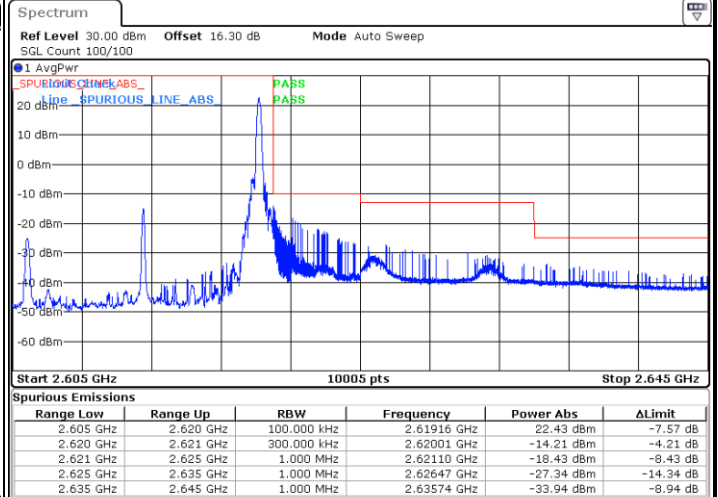


LTE Band 38 / 15MHz / 16QAM

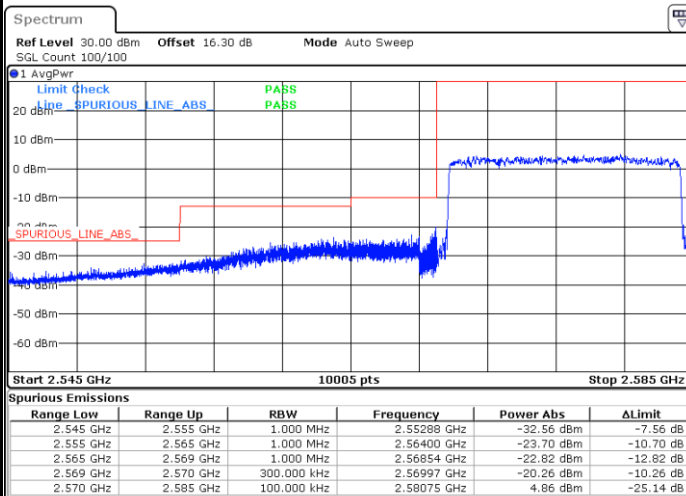
Lowest Band Edge / 1 RB



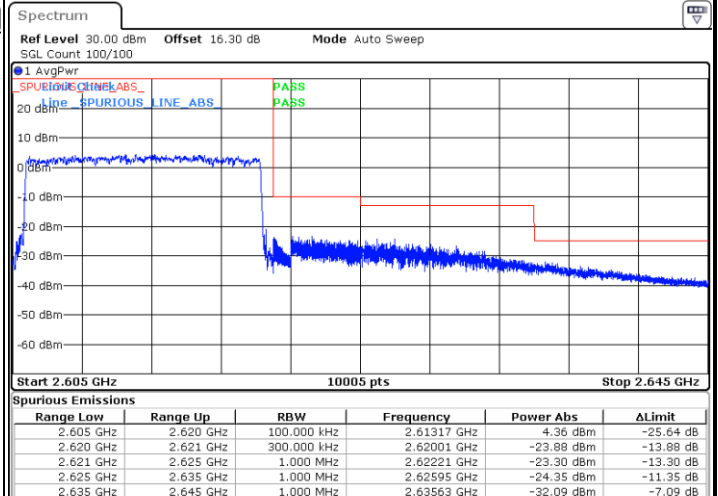
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



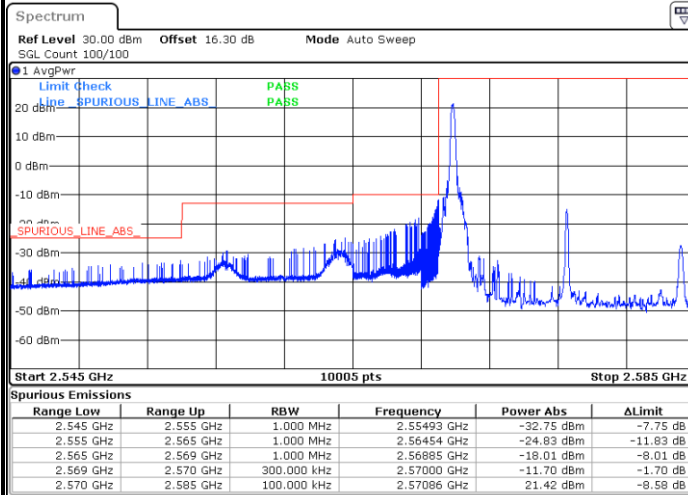
Highest Band Edge / Full RB



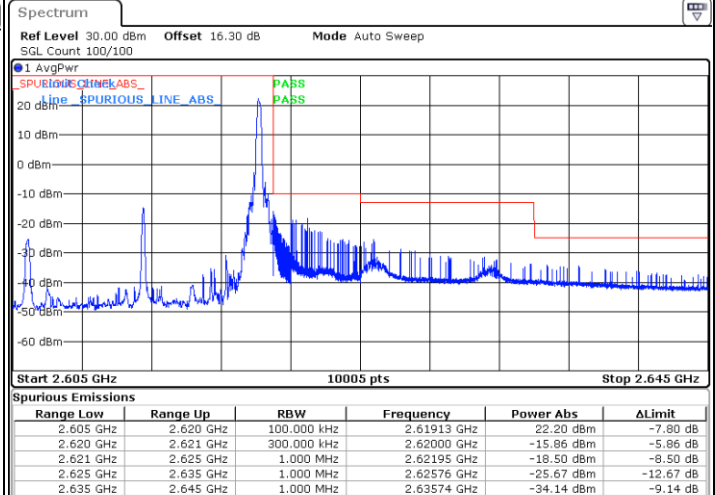


LTE Band 38 / 15MHz / 64QAM

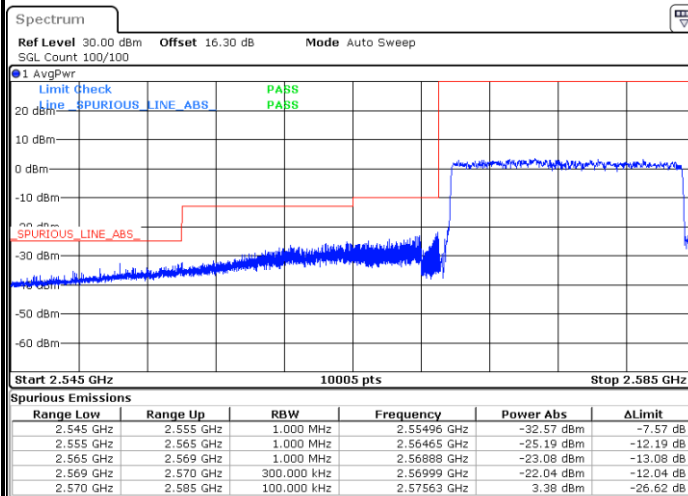
Lowest Band Edge / 1 RB



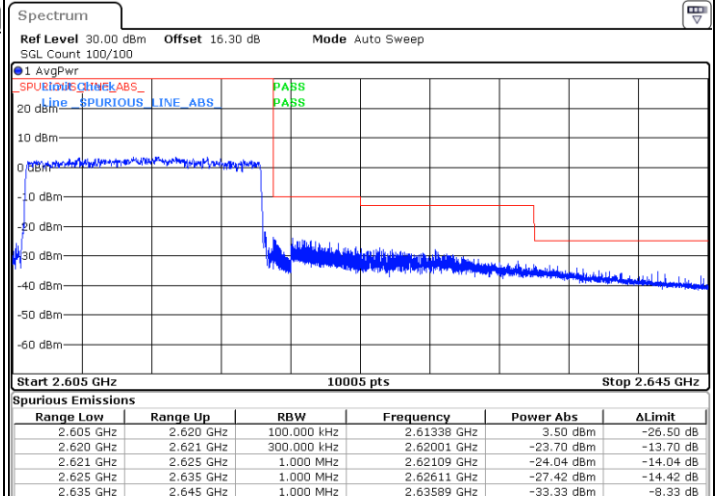
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



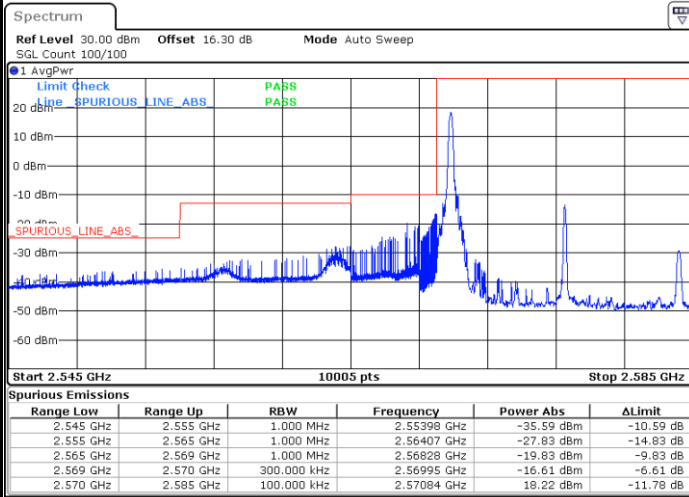
Highest Band Edge / Full RB



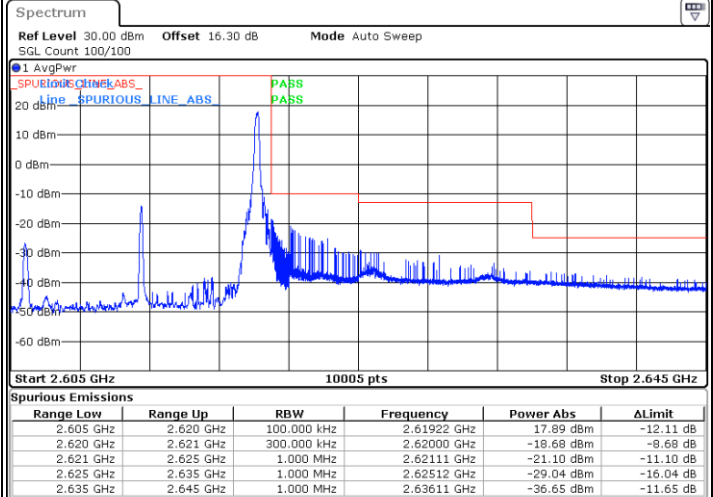


LTE Band 38 / 15MHz / 256QAM

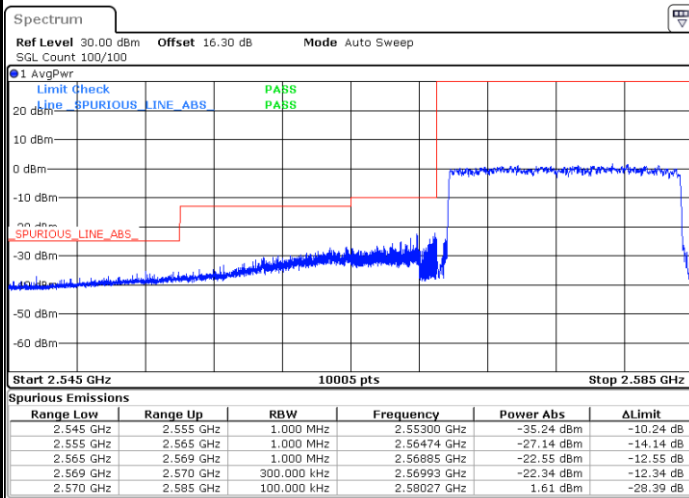
Lowest Band Edge / 1 RB



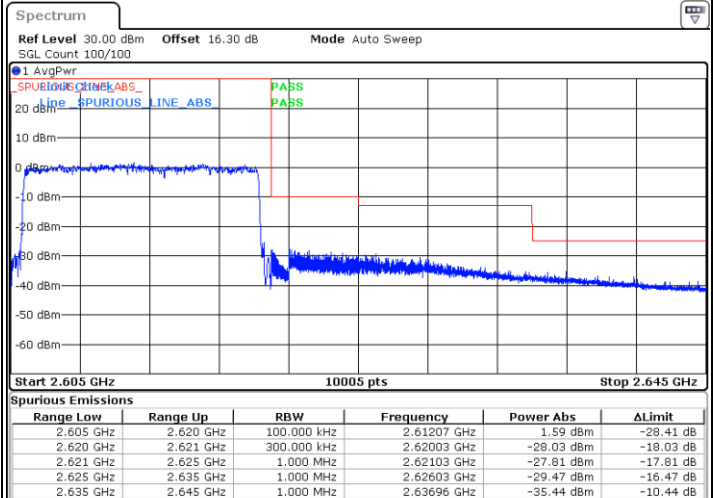
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



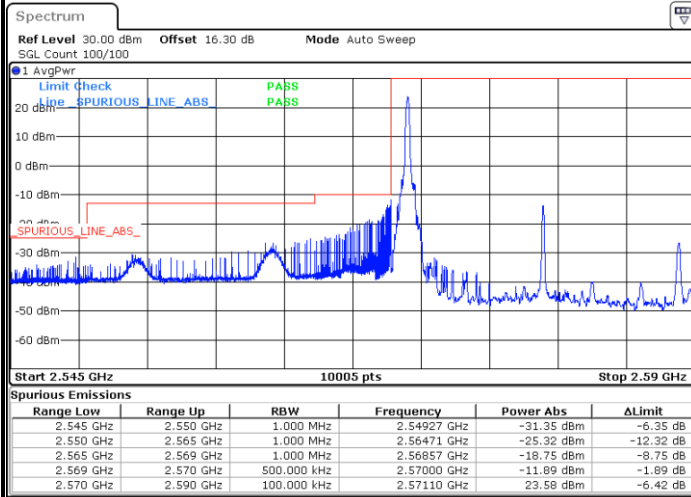
Highest Band Edge / Full RB



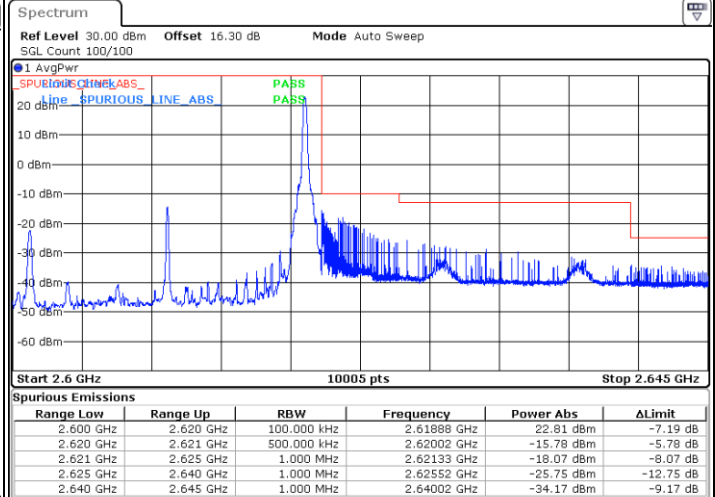


LTE Band 38 / 20MHz / QPSK

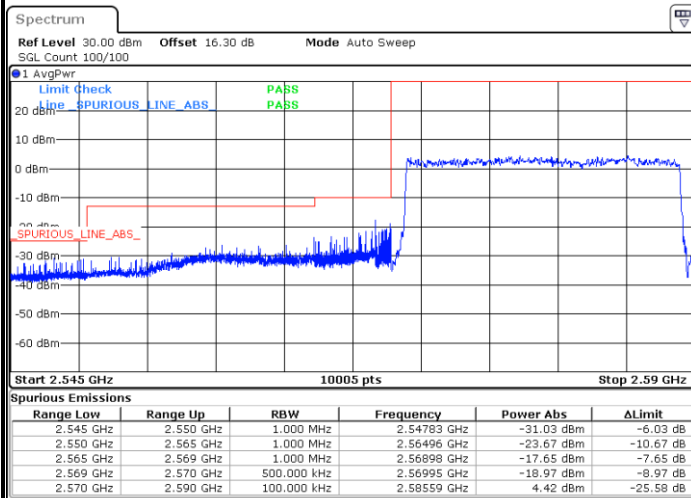
Lowest Band Edge / 1 RB



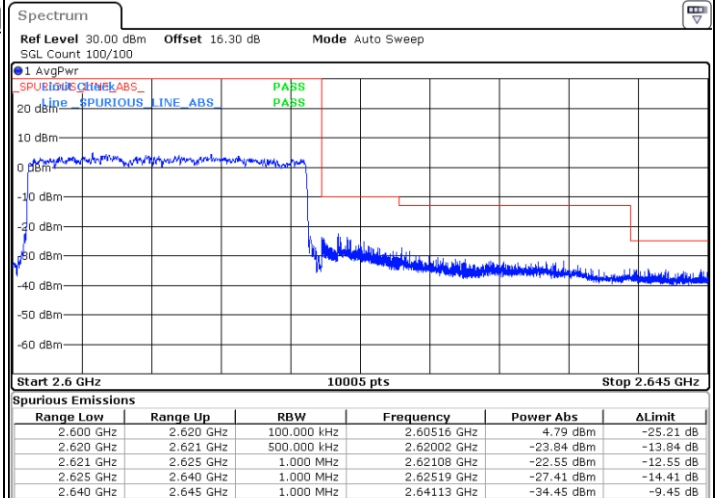
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



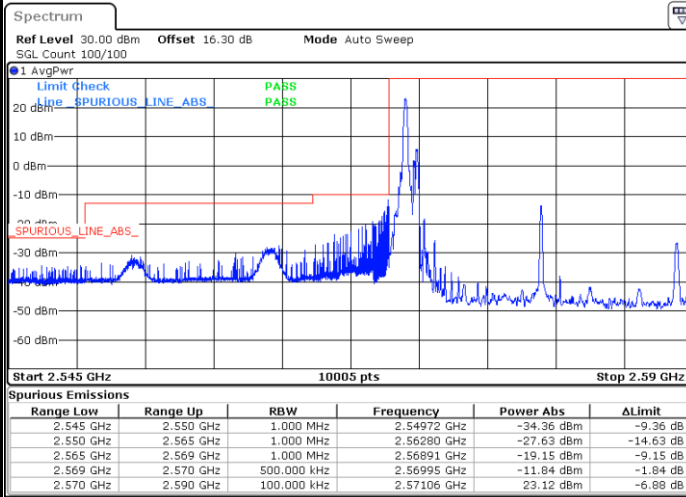
Highest Band Edge / Full RB



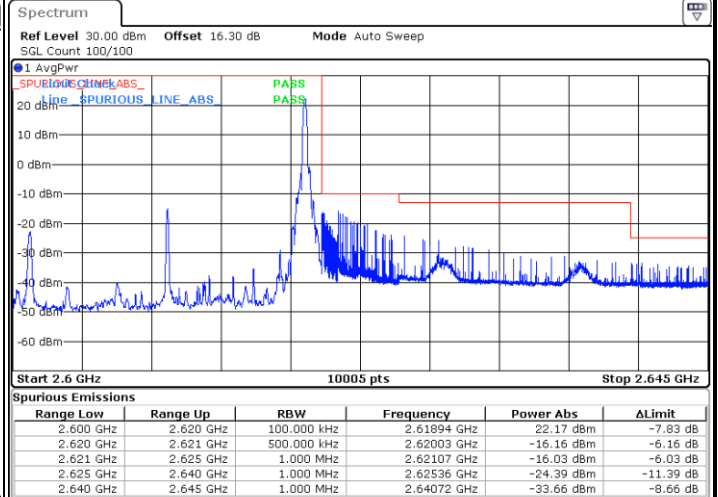


LTE Band 38 / 20MHz / 16QAM

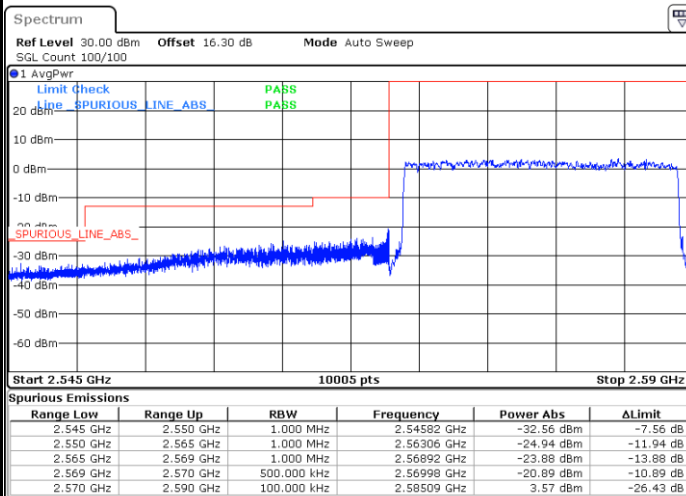
Lowest Band Edge / 1 RB



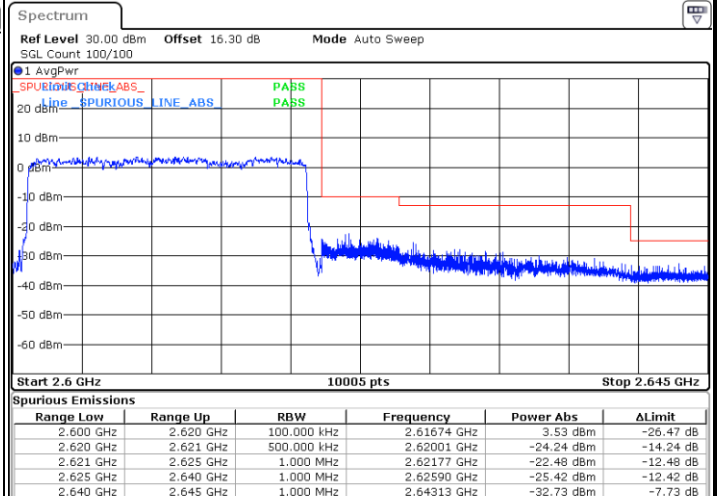
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



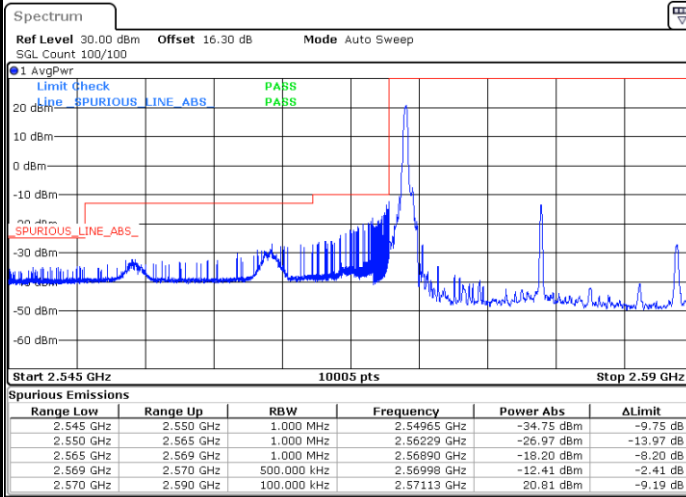
Highest Band Edge / Full RB



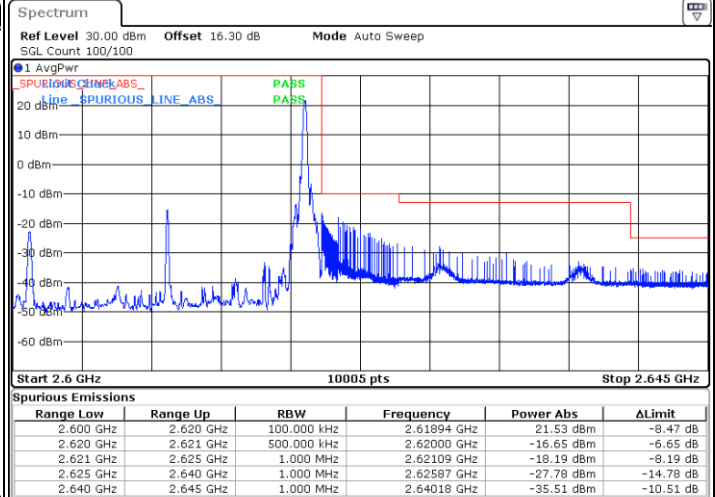


LTE Band 38 / 20MHz / 64QAM

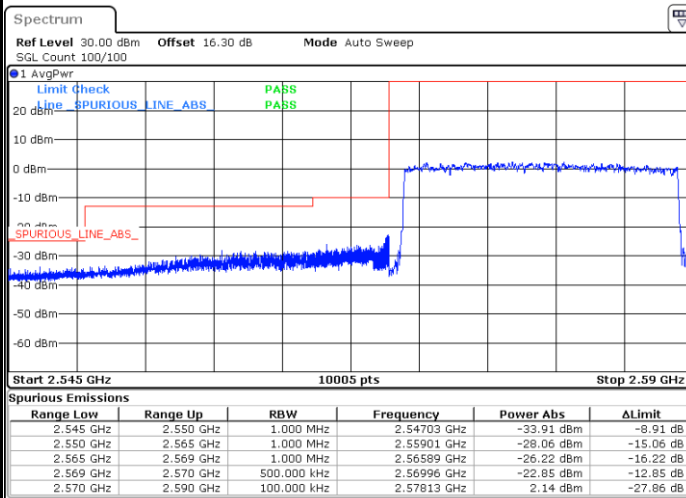
Lowest Band Edge / 1 RB



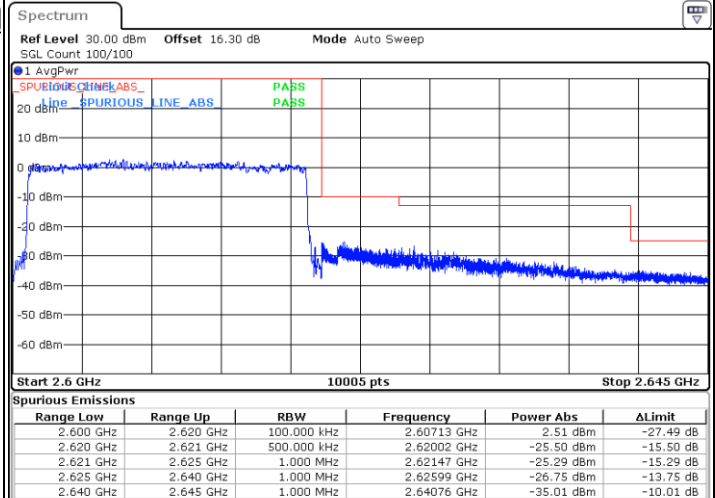
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



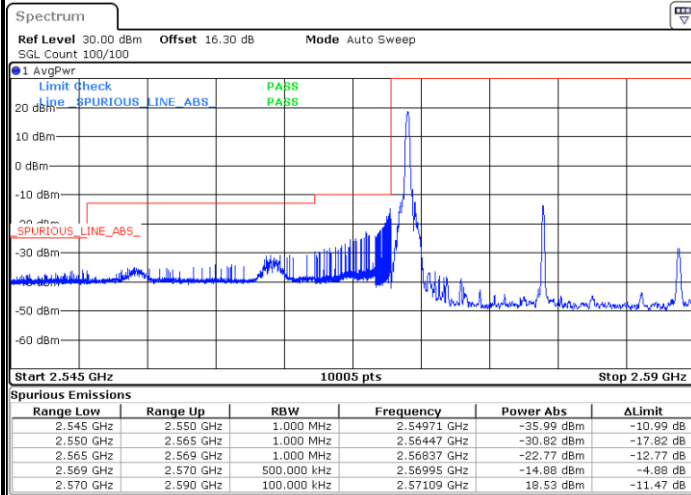
Highest Band Edge / Full RB



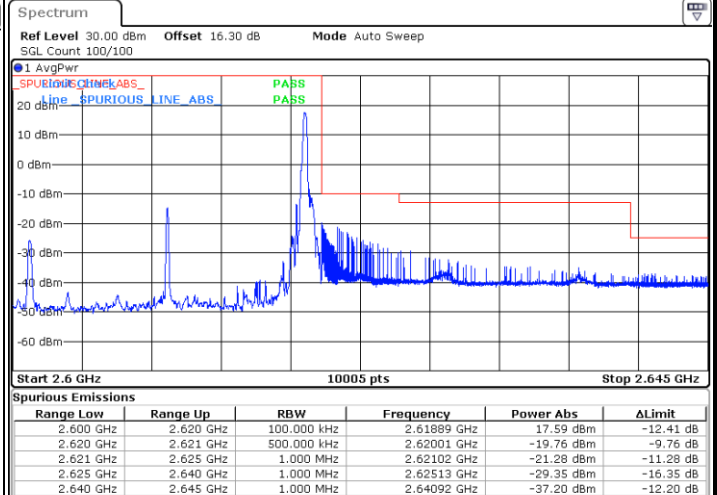


LTE Band 38 / 20MHz / 256QAM

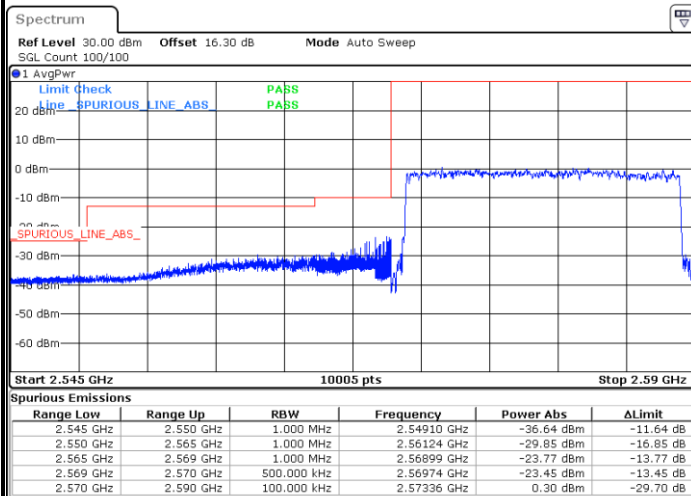
Lowest Band Edge / 1 RB



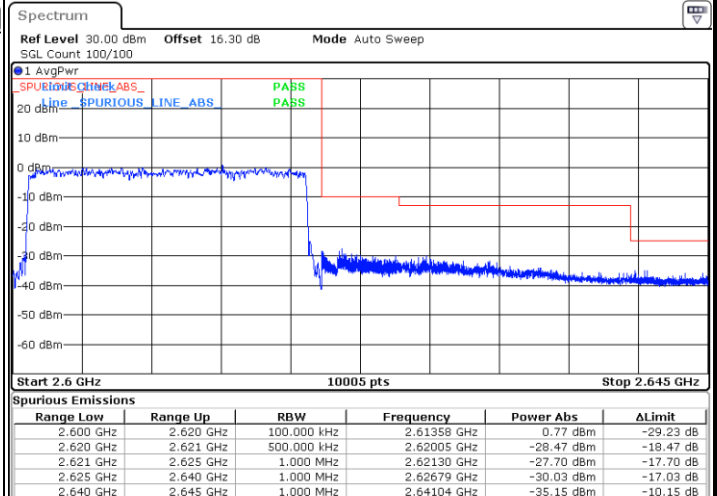
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

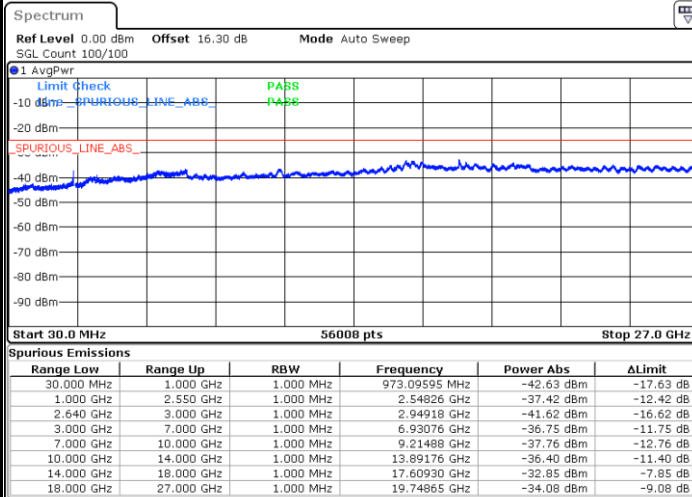




Conducted Spurious Emission

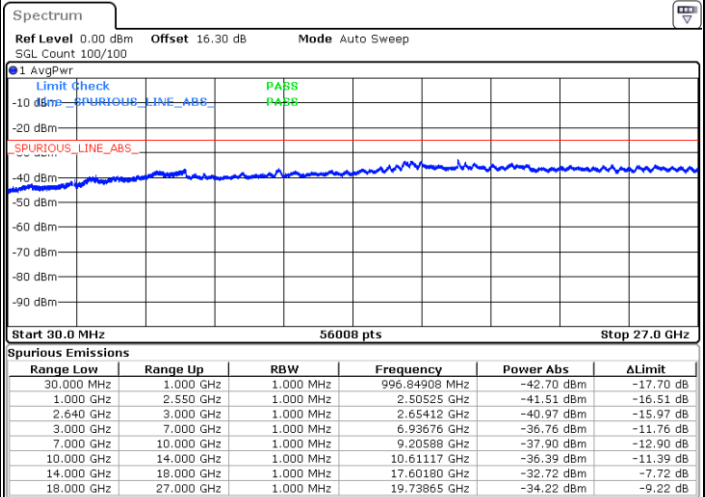
LTE Band 38 / 5MHz

Lowest Channel / QPSK



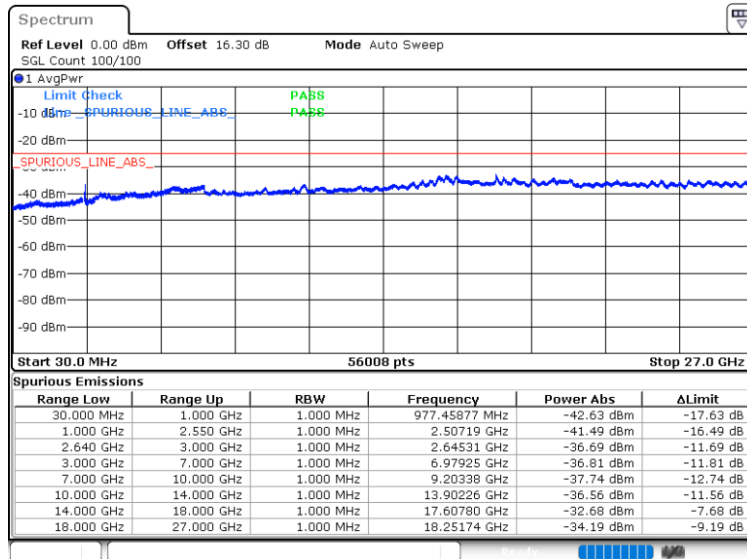
Date: 23.JUN.2021 18:17:43

Middle Channel / QPSK



Date: 23.JUN.2021 18:18:44

Highest Channel / QPSK

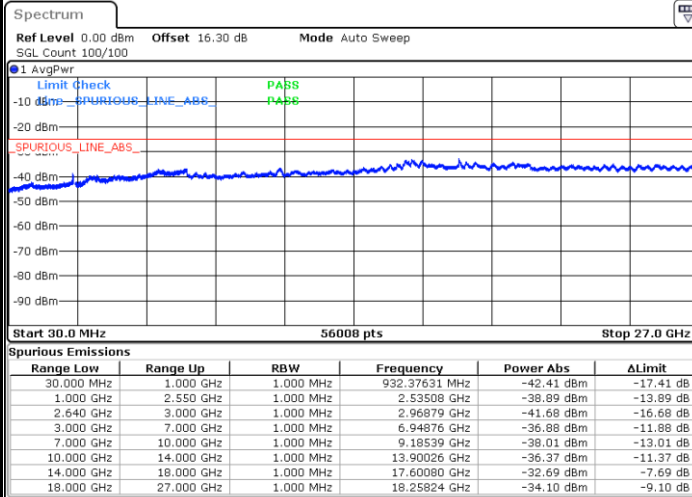


Date: 23.JUN.2021 18:19:45



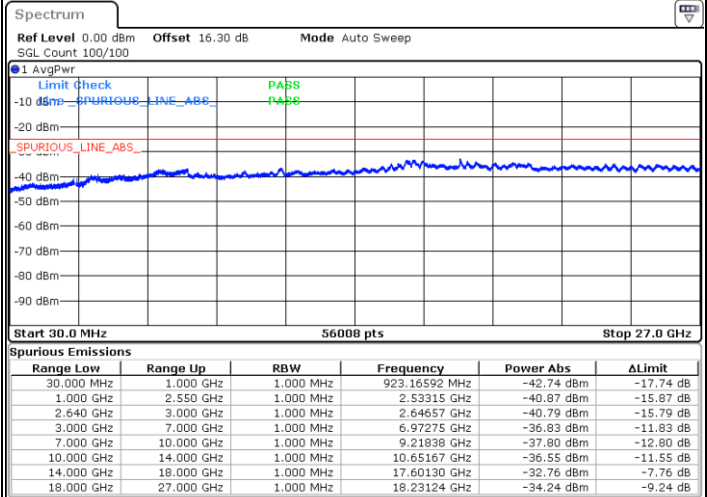
LTE Band 38 / 10MHz

Lowest Channel / QPSK



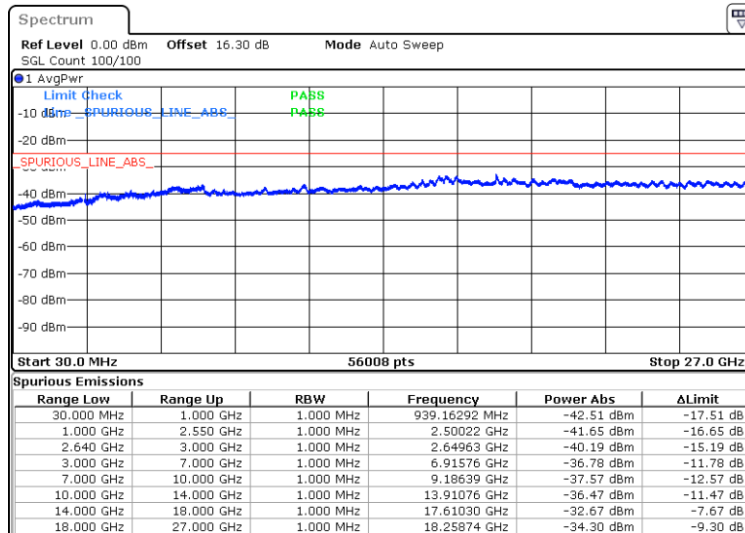
Date: 23.JUN.2021 18:20:50

Middle Channel / QPSK



Date: 23.JUN.2021 18:21:51

Highest Channel / QPSK

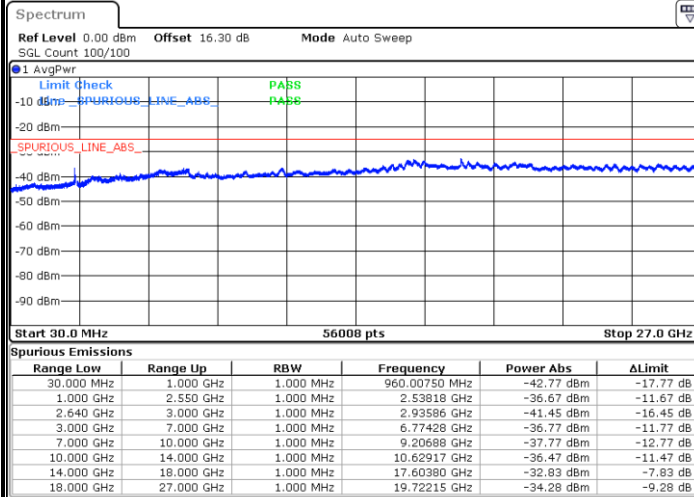


Date: 23.JUN.2021 18:22:52



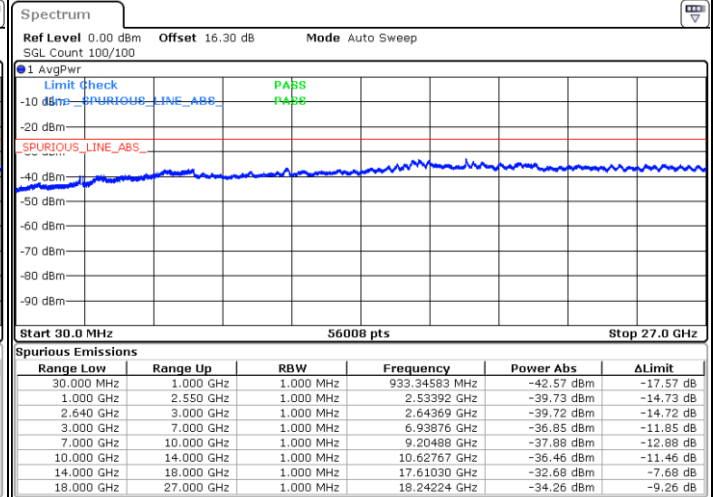
LTE Band 38 / 15MHz

Lowest Channel / QPSK



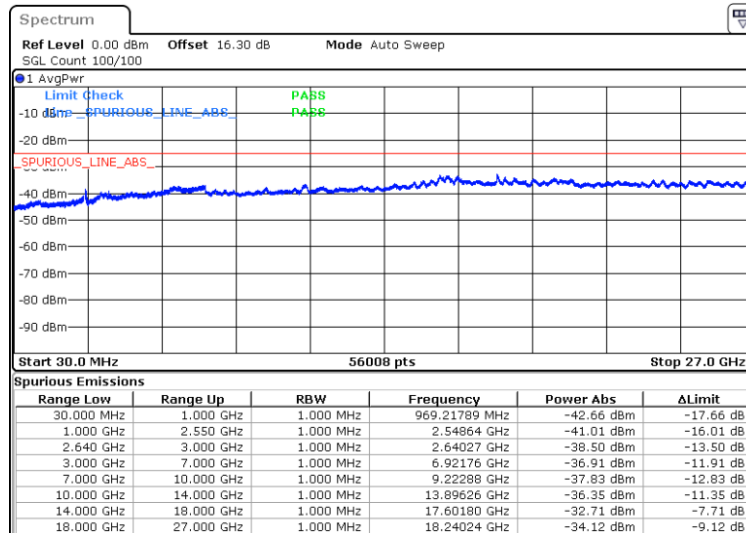
Date: 23.JUN.2021 18:23:57

Middle Channel / QPSK



Date: 23.JUN.2021 18:24:58

Highest Channel / QPSK

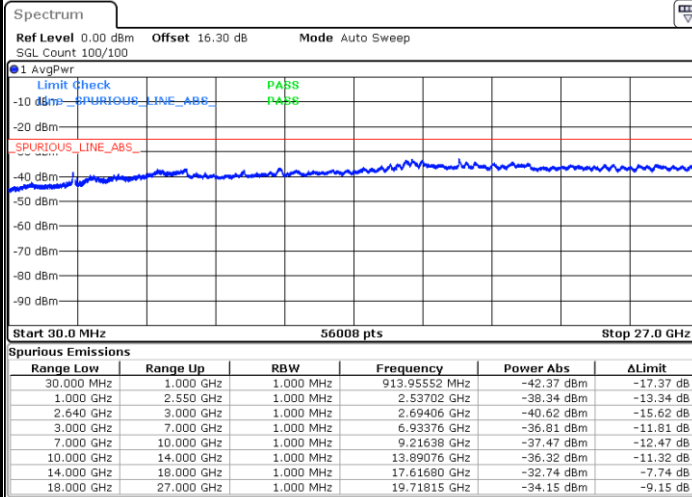


Date: 23.JUN.2021 18:25:59



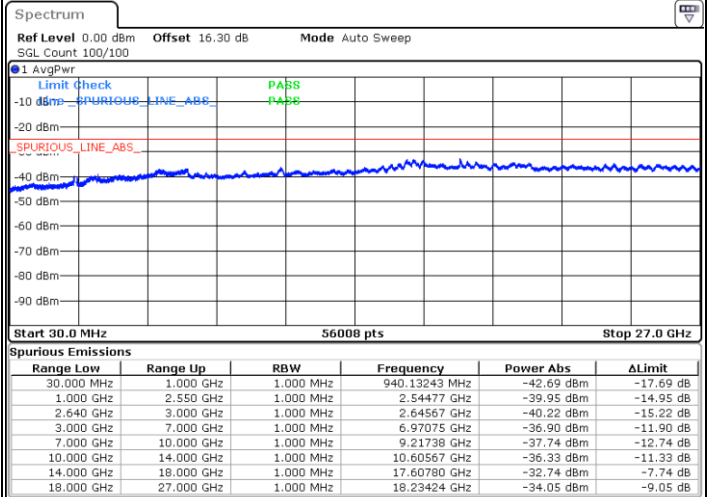
LTE Band 38 / 20MHz

Lowest Channel / QPSK



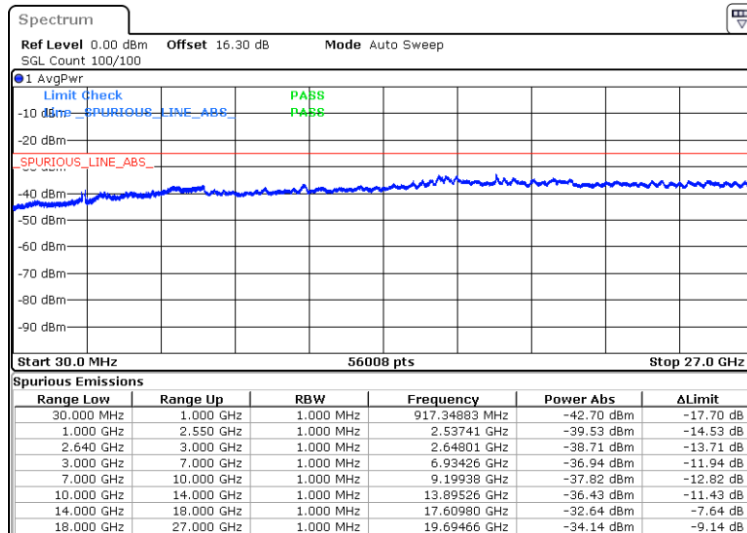
Date: 23.JUN.2021 18:27:04

Middle Channel / QPSK



Date: 23.JUN.2021 18:28:05

Highest Channel / QPSK



Date: 23.JUN.2021 18:29:06

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	0.0023	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0047	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0032	

Note:

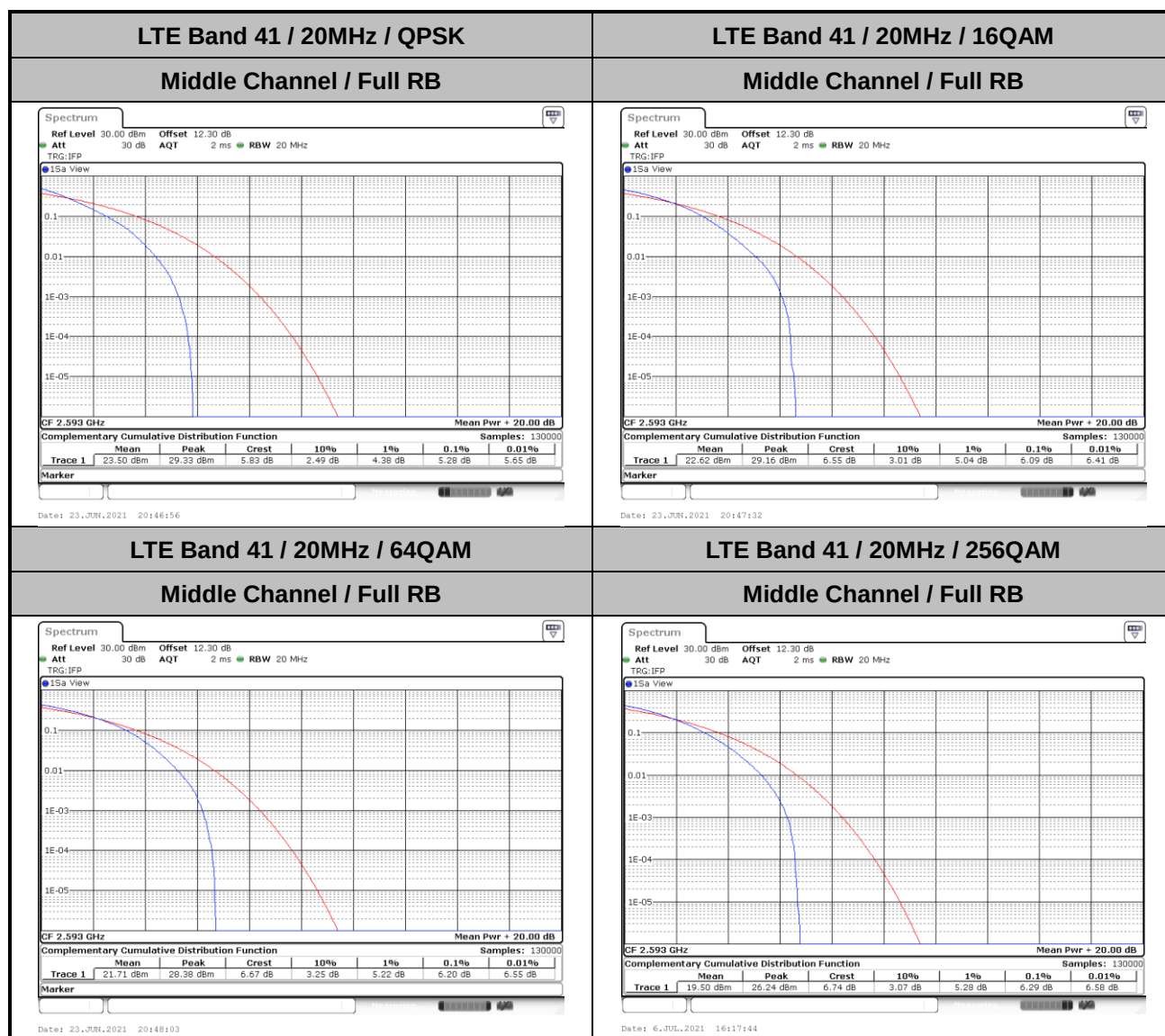
1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	5.28	6.09	6.20	6.29	PASS



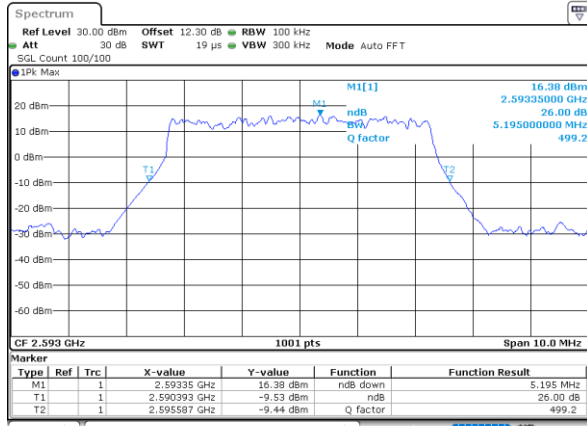
**26dB Bandwidth**

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	-	-	-	-	5.20	5.12	9.67	9.65	14.51	14.78	18.94	19.10
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	-	-	-	-	5.13	5.03	10.11	9.87	14.18	14.18	18.86	19.10



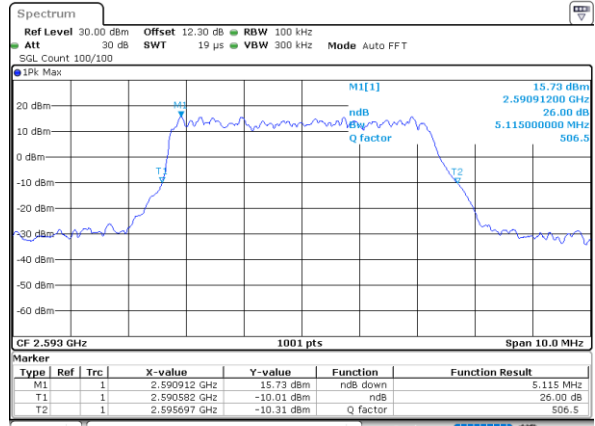
LTE Band 41

Middle Channel / 5MHz / QPSK



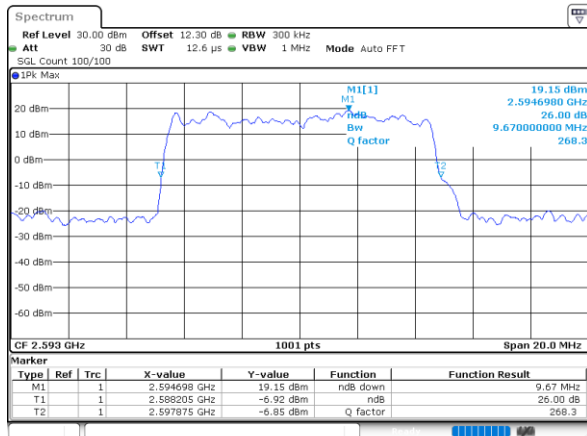
Date: 23 JUN 2021 20:37:53

Middle Channel / 5MHz / 16QAM



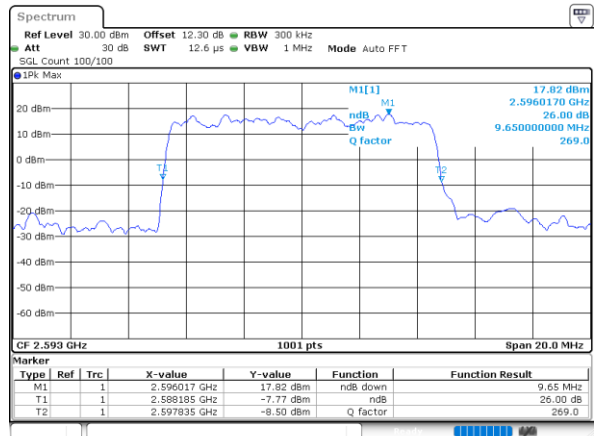
Date: 23 JUN 2021 20:38:14

Middle Channel / 10MHz / QPSK



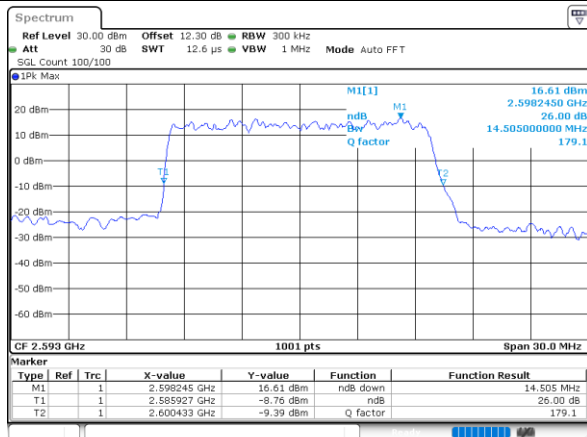
Date: 23 JUN 2021 20:39:24

Middle Channel / 10MHz / 16QAM



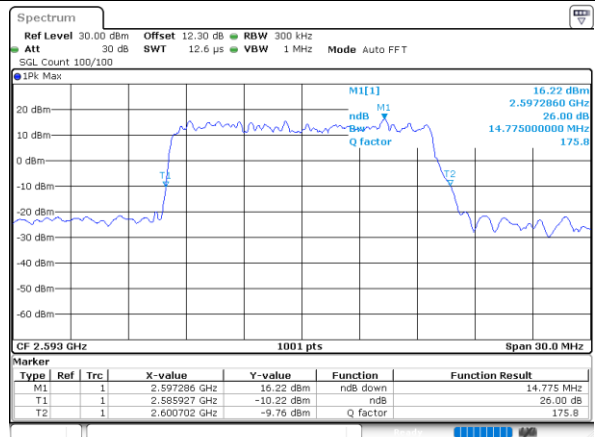
Date: 23 JUN 2021 20:39:45

Middle Channel / 15MHz / QPSK



Date: 23 JUN 2021 20:40:55

Middle Channel / 15MHz / 16QAM

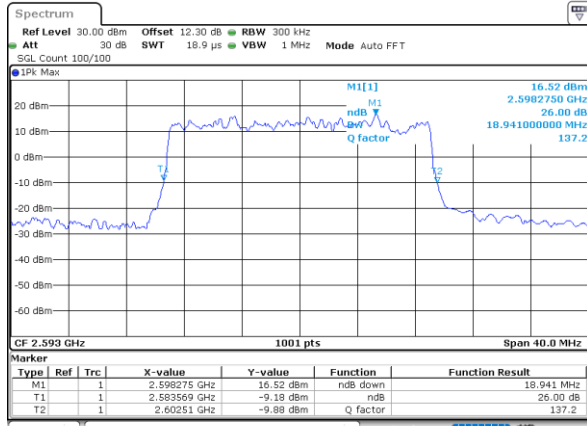


Date: 23 JUN 2021 20:41:16



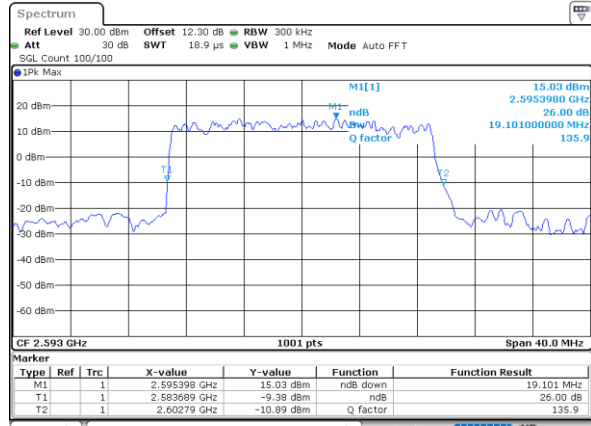
LTE Band 41

Middle Channel / 20MHz / QPSK



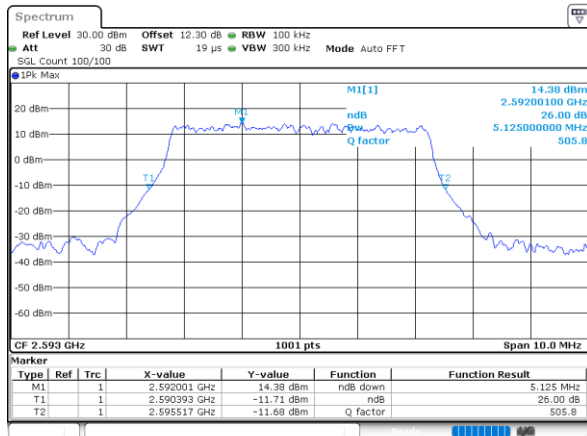
Date: 23 JUN 2021 20:42:26

Middle Channel / 20MHz / 16QAM



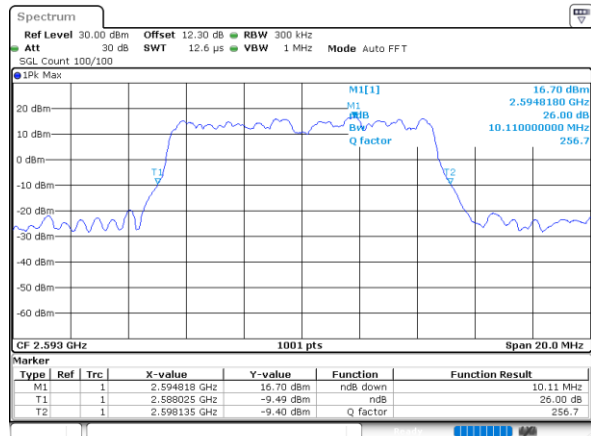
Date: 23 JUN 2021 20:42:47

Middle Channel / 5MHz / 64QAM



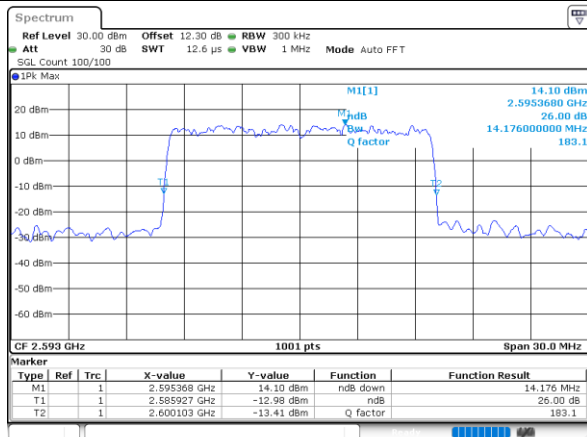
Date: 23 JUN 2021 20:43:05

Middle Channel / 10MHz / 64QAM



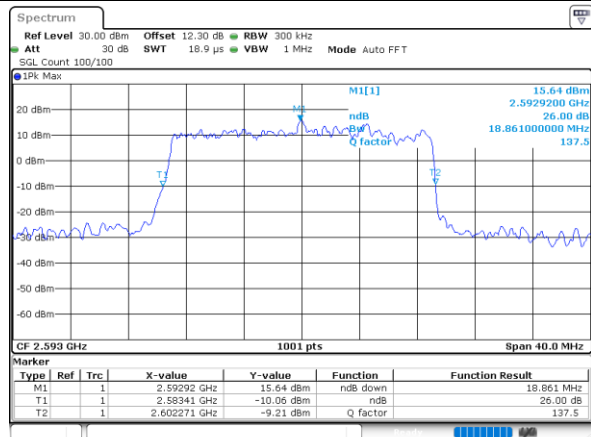
Date: 23 JUN 2021 20:44:22

Middle Channel / 15MHz / 64QAM



Date: 23 JUN 2021 20:45:09

Middle Channel / 20MHz / 64QAM

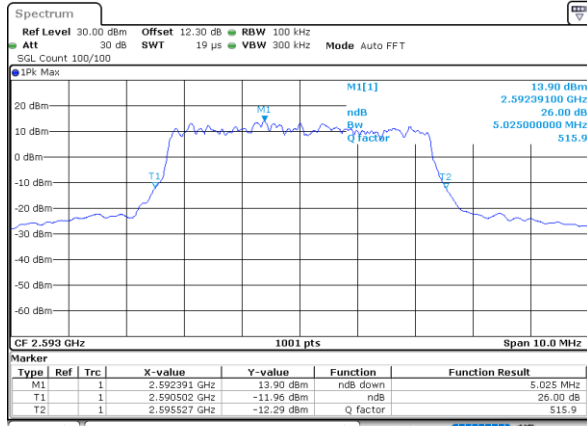


Date: 23 JUN 2021 20:45:56



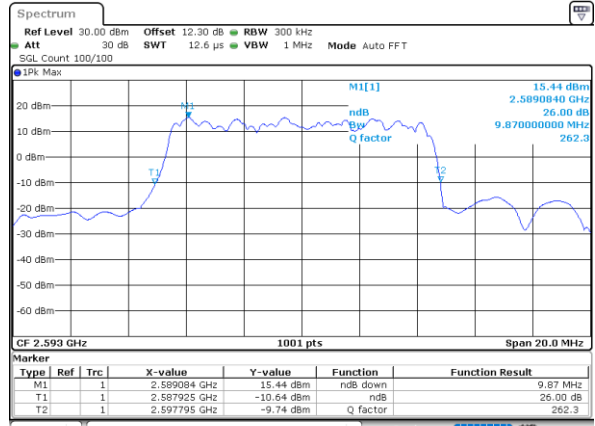
LTE Band 41

Middle Channel / 5MHz / 256QAM



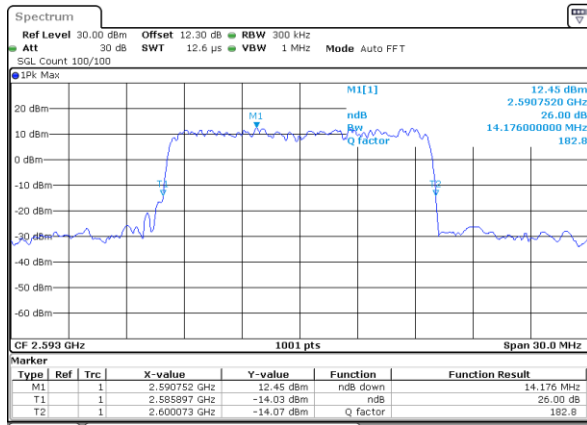
Date: 24.JUN.2021 08:49:55

Middle Channel / 10MHz / 256QAM



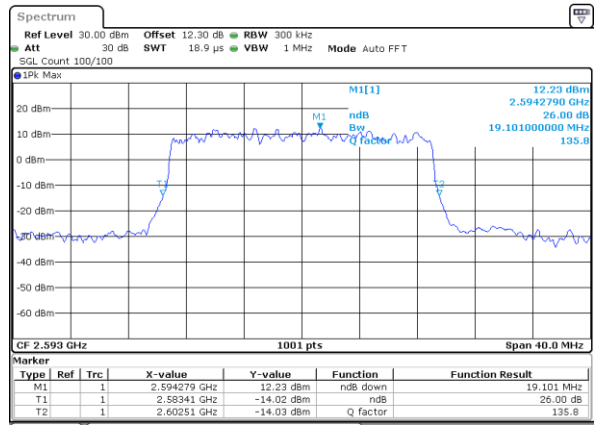
Date: 24.JUN.2021 08:50:42

Middle Channel / 15MHz / 256QAM



Date: 24.JUN.2021 08:51:29

Middle Channel / 20MHz / 256QAM



Date: 24.JUN.2021 08:52:17

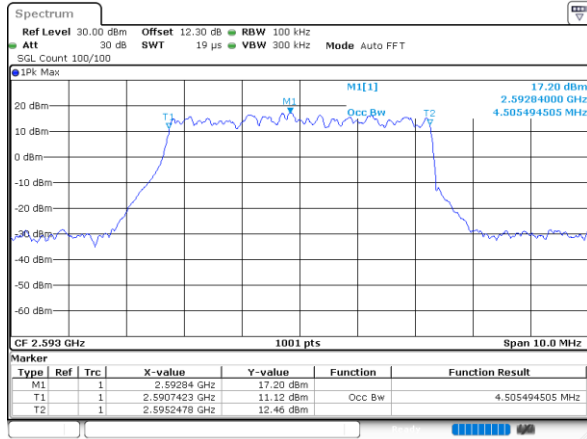
**Occupied Bandwidth**

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	9.07	9.05	13.43	13.52	17.86	17.78
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	-	-	-	-	4.51	4.48	8.95	9.01	13.49	13.46	17.90	17.82



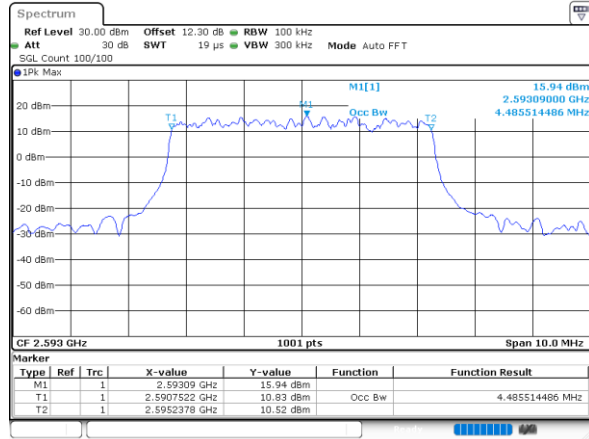
LTE Band 41

Middle Channel / 5MHz / QPSK



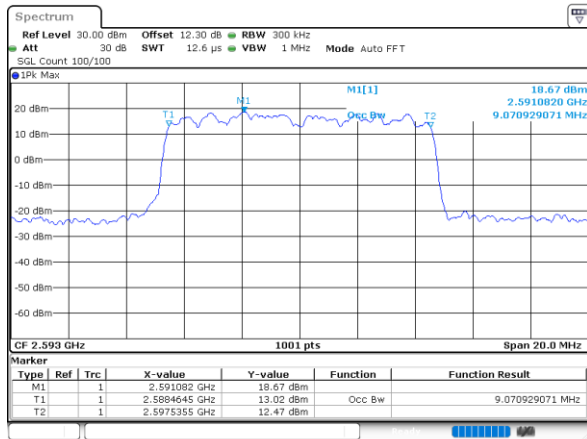
Date: 23 JUN 2021 20:37:07

Middle Channel / 5MHz / 16QAM



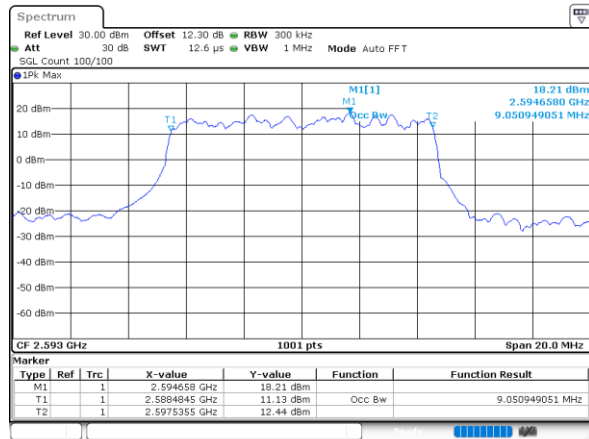
Date: 23 JUN 2021 20:37:30

Middle Channel / 10MHz / QPSK



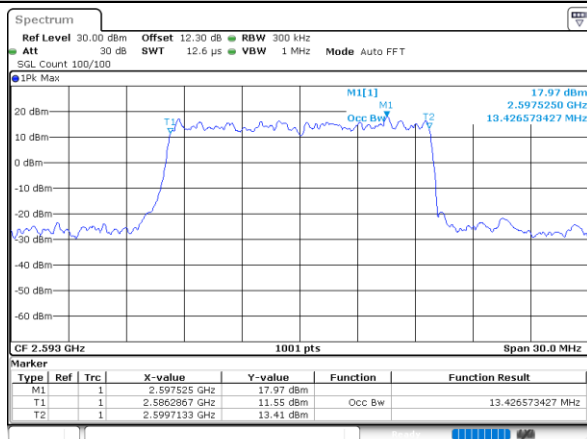
Date: 23 JUN 2021 20:38:39

Middle Channel / 10MHz / 16QAM



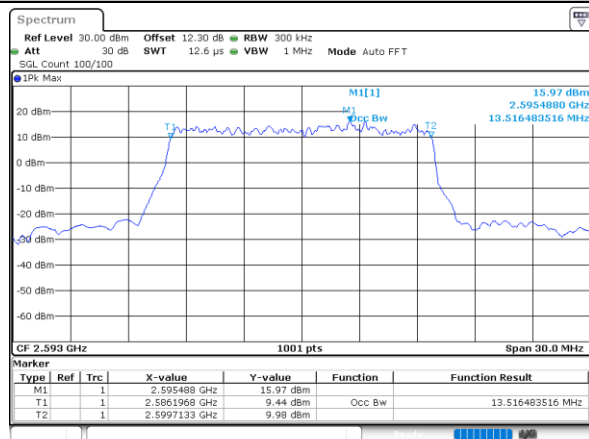
Date: 23 JUN 2021 20:39:01

Middle Channel / 15MHz / QPSK



Date: 23 JUN 2021 20:40:10

Middle Channel / 15MHz / 16QAM

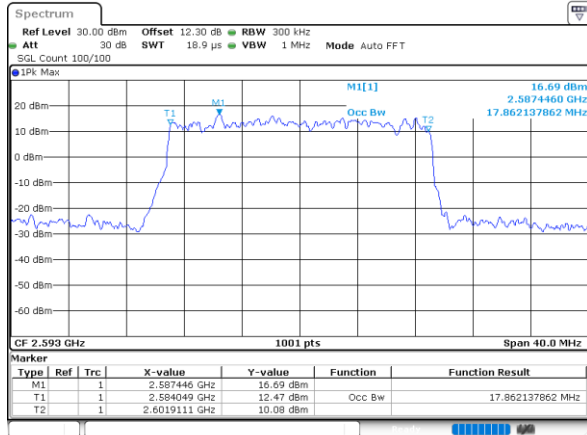


Date: 23 JUN 2021 20:40:33



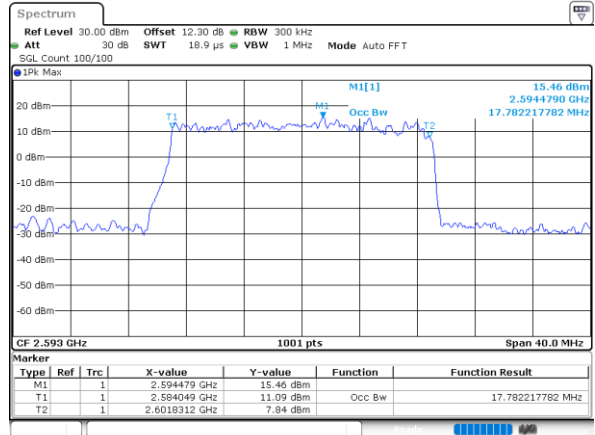
LTE Band 41

Middle Channel / 20MHz / QPSK



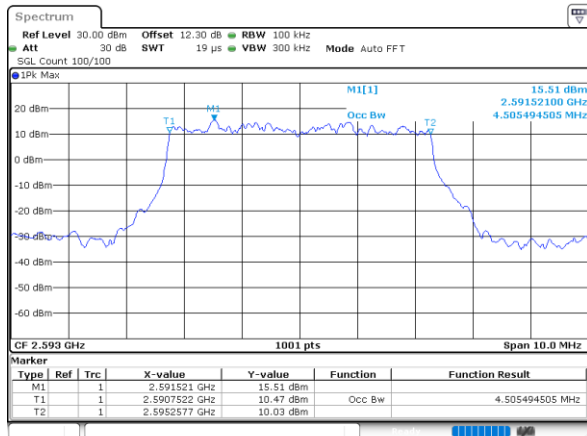
Date: 23 JUN 2021 20:41:41

Middle Channel / 20MHz / 16QAM



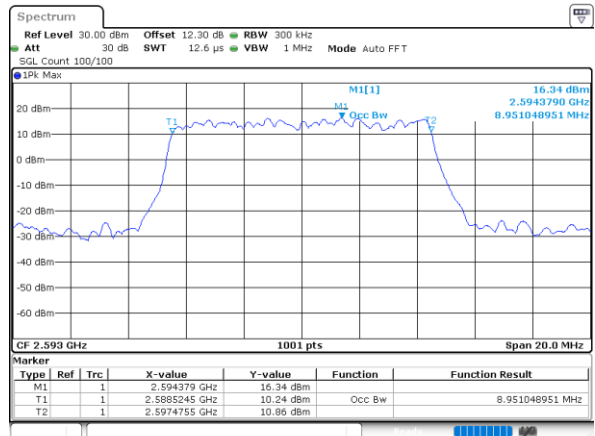
Date: 23 JUN 2021 20:42:03

Middle Channel / 5MHz / 64QAM



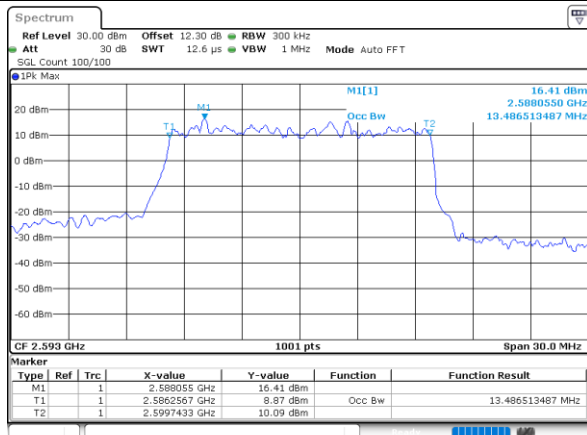
Date: 23 JUN 2021 20:43:12

Middle Channel / 10MHz / 64QAM



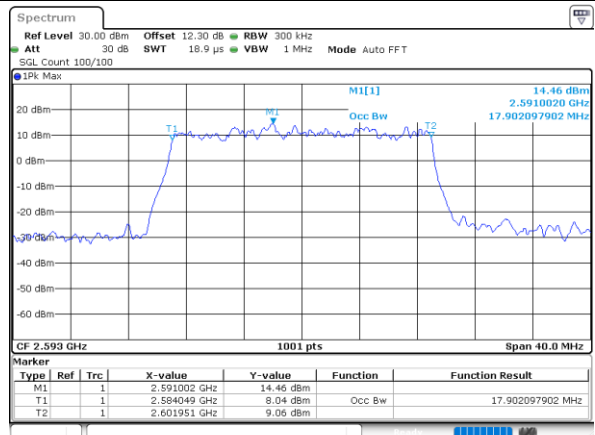
Date: 23 JUN 2021 20:43:59

Middle Channel / 15MHz / 64QAM



Date: 23 JUN 2021 20:44:47

Middle Channel / 20MHz / 64QAM

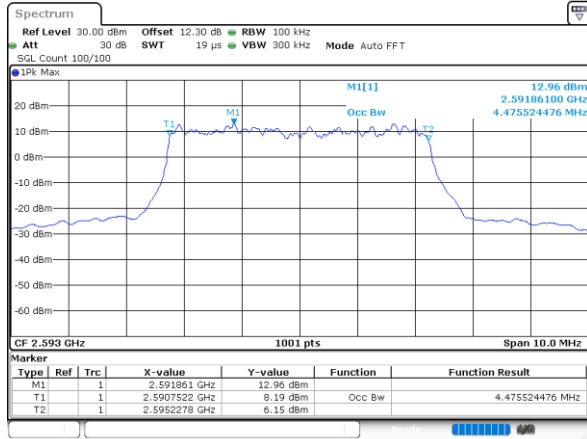


Date: 23 JUN 2021 20:45:34

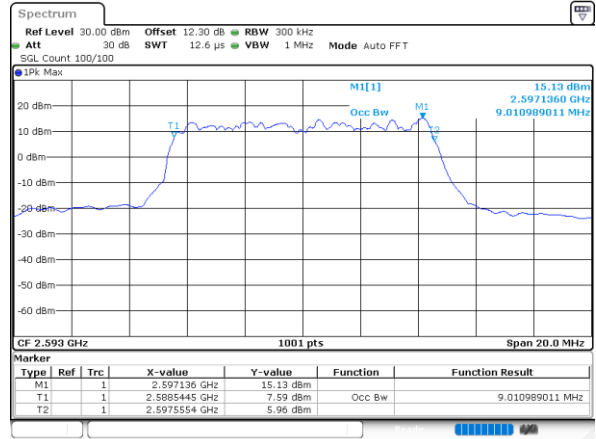


LTE Band 41

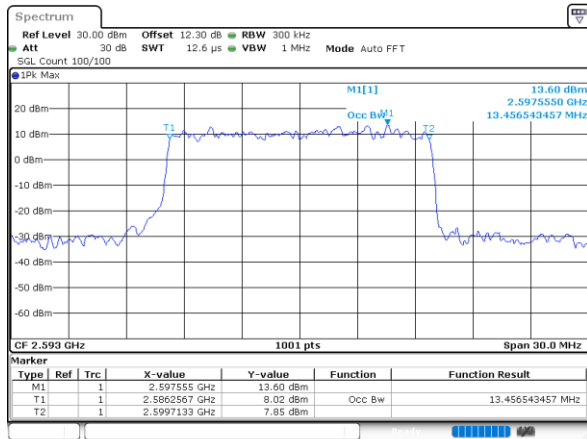
Middle Channel / 5MHz / 256QAM



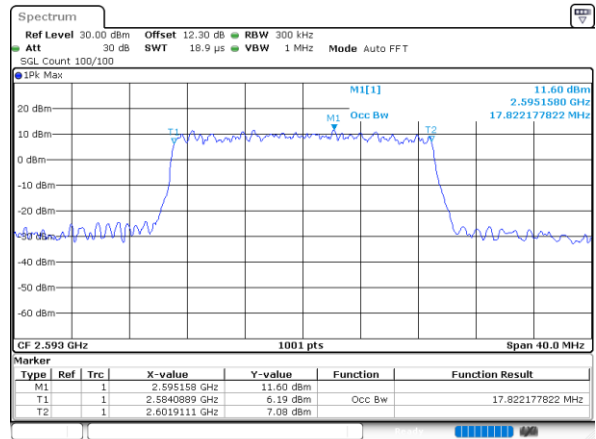
Middle Channel / 10MHz / 256QAM

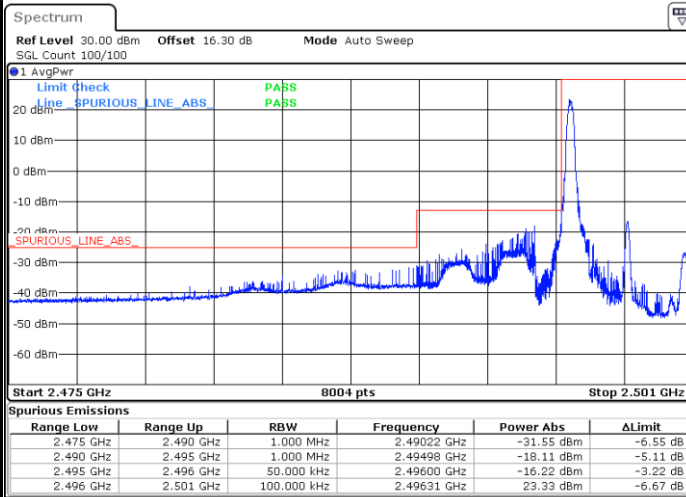
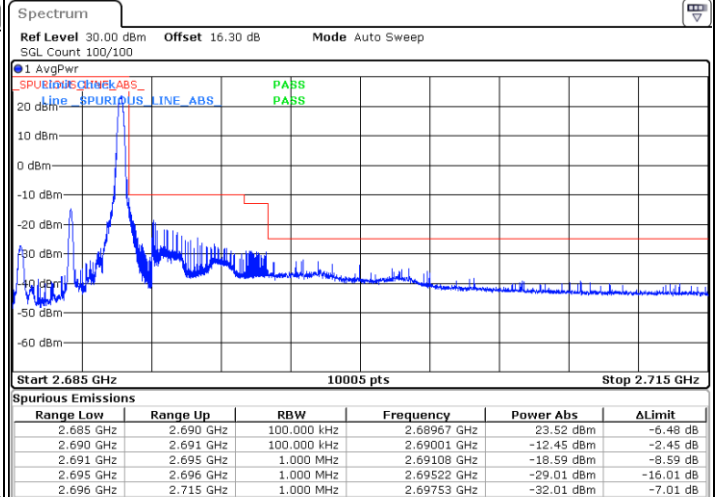
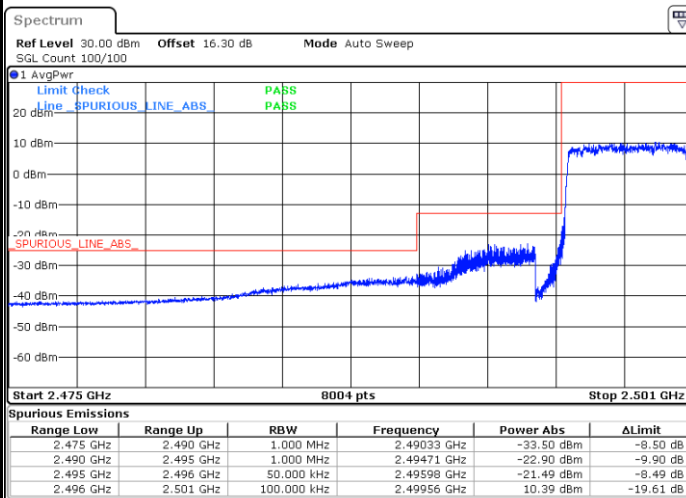
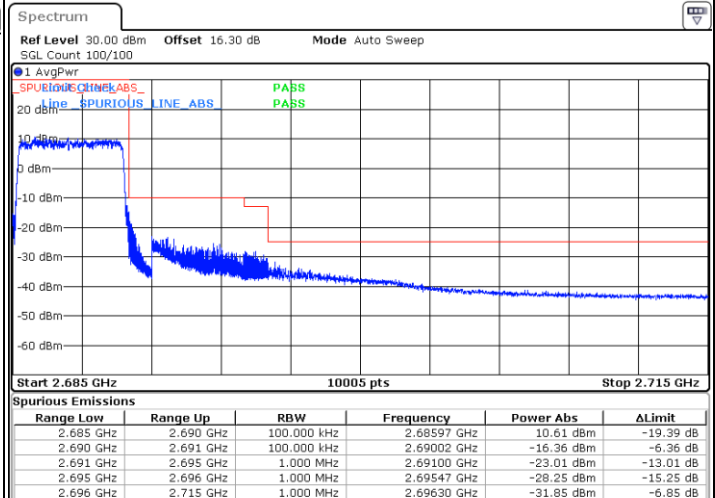


Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

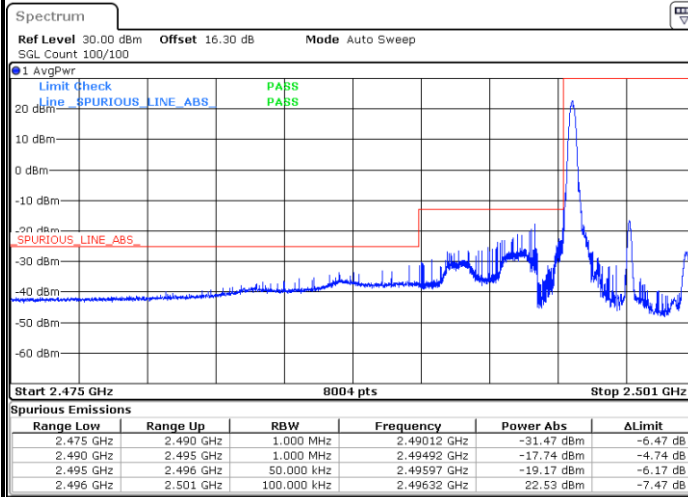


**Conducted Band Edge****LTE Band 41 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

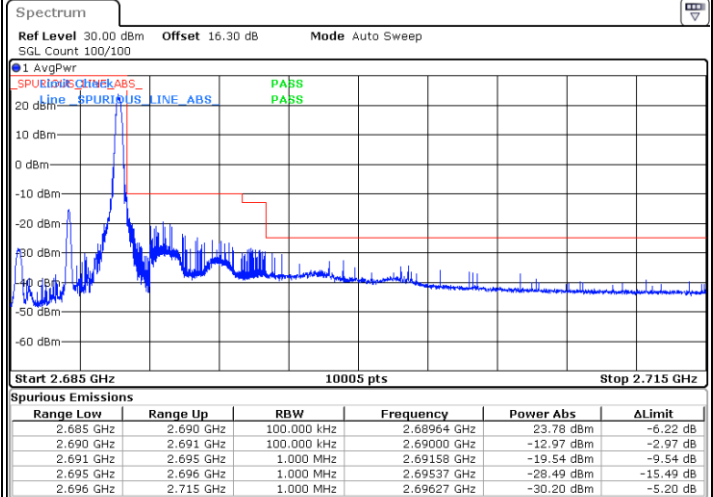


LTE Band 41 / 5MHz / 16QAM

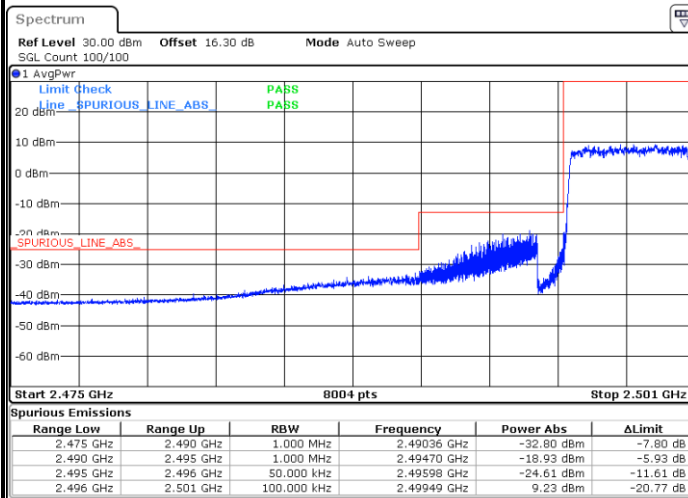
Lowest Band Edge / 1RB



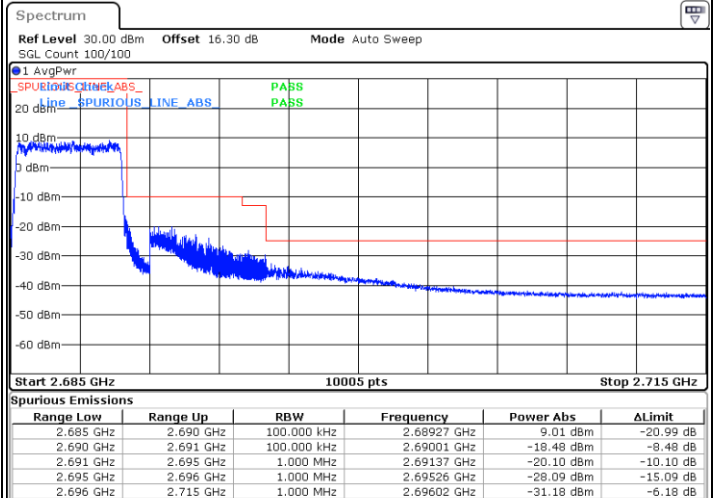
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



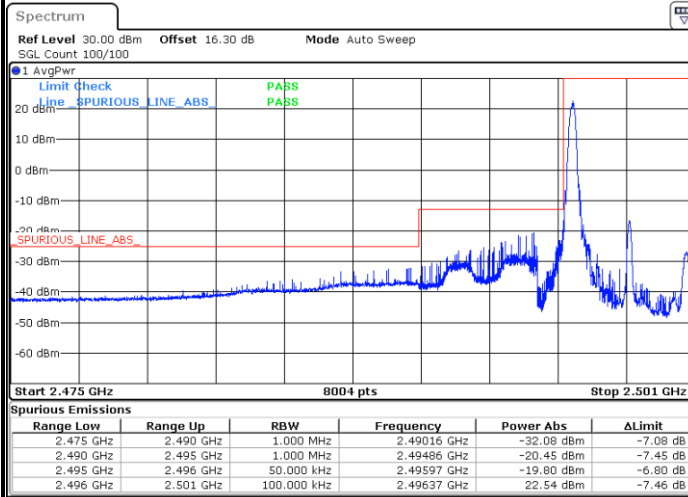
Highest Band Edge / Full RB



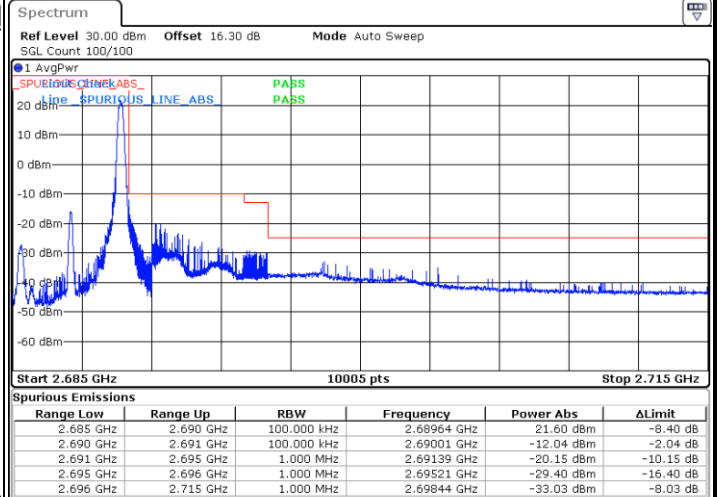


LTE Band 41 / 5MHz / 64QAM

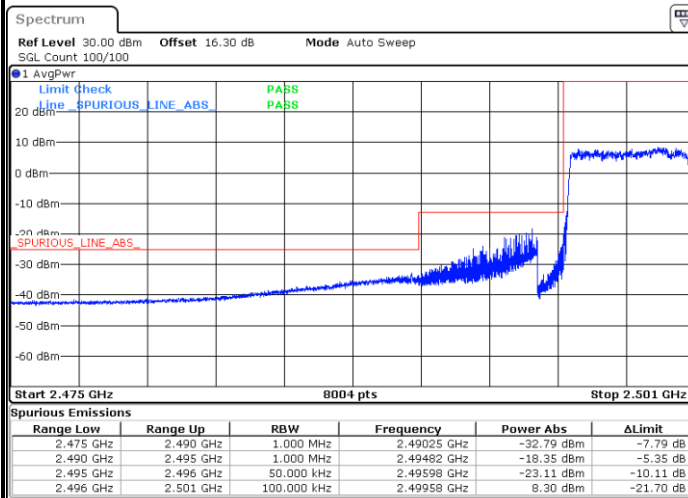
Lowest Band Edge / 1RB



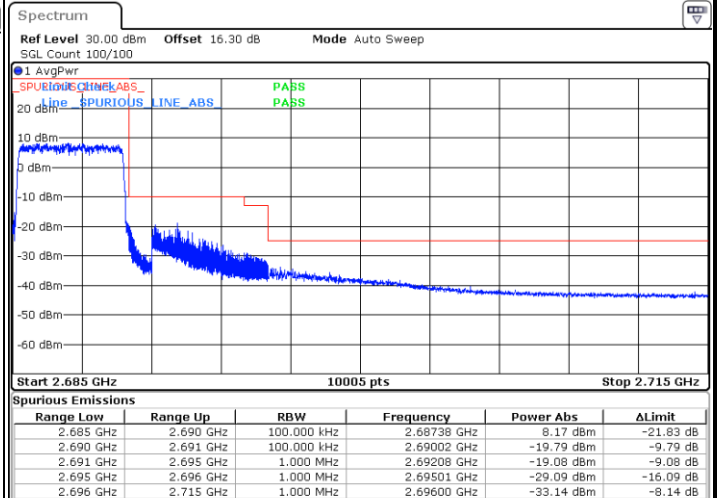
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



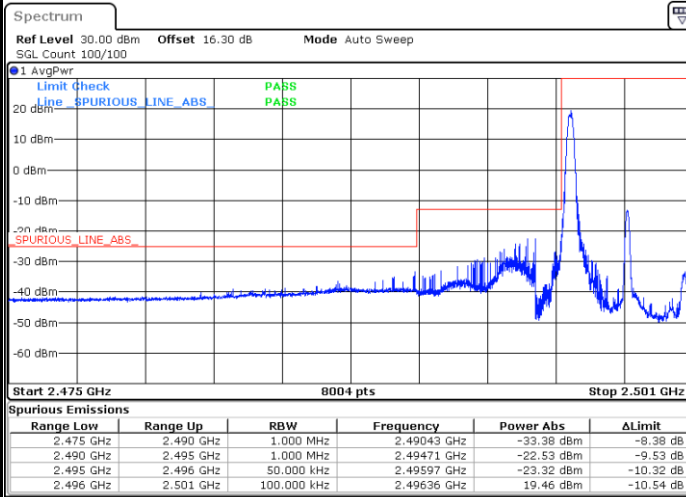
Highest Band Edge / Full RB



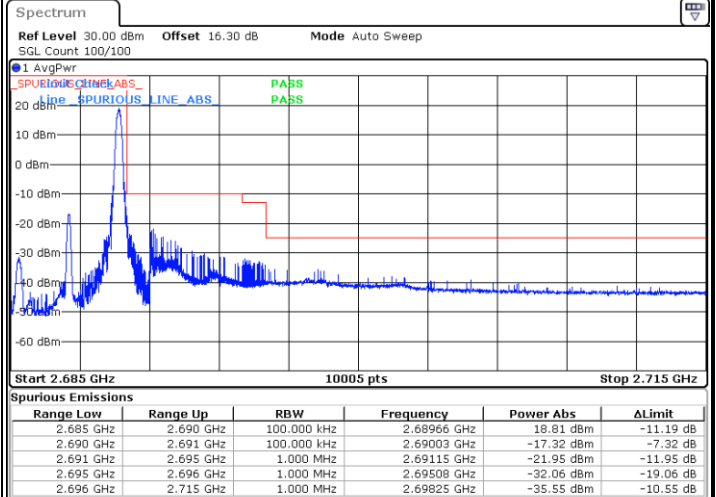


LTE Band 41 / 5MHz / 256QAM

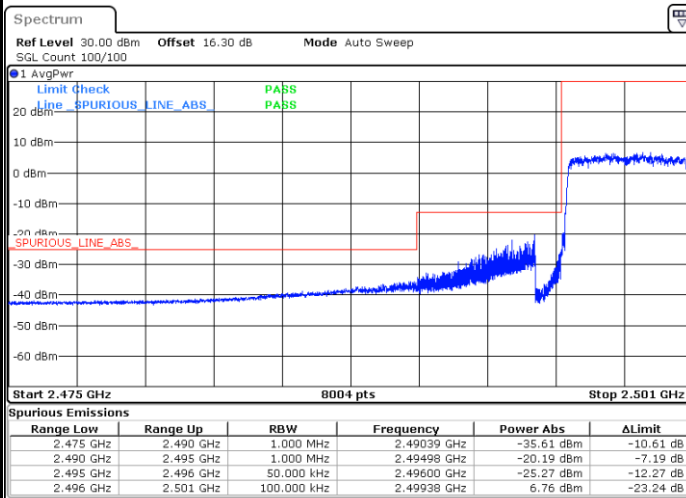
Lowest Band Edge / 1RB



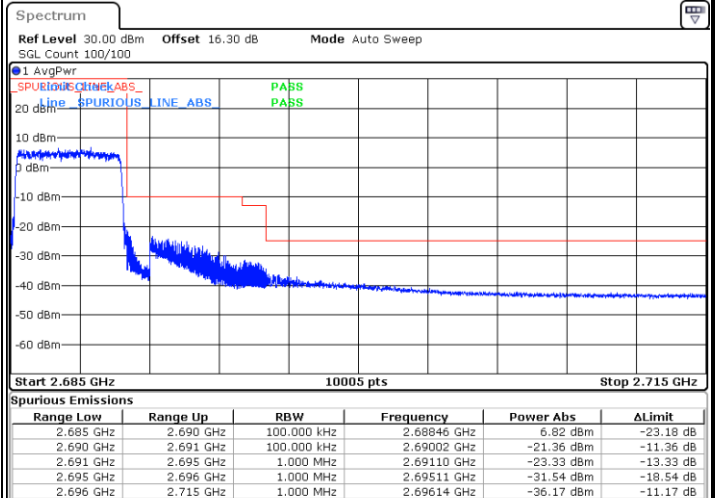
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



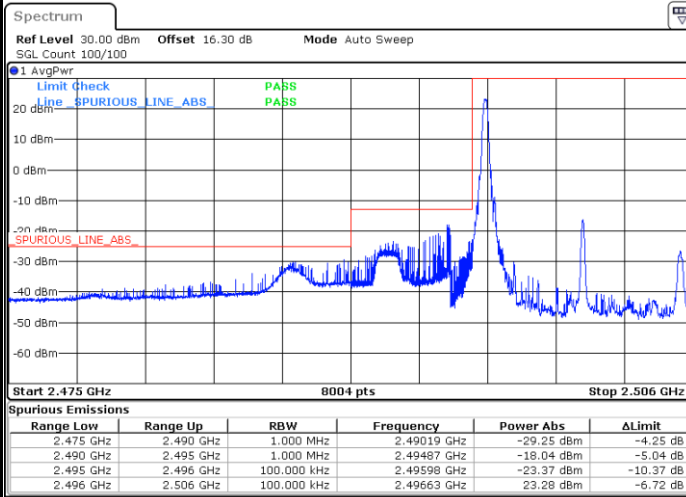
Highest Band Edge / Full RB



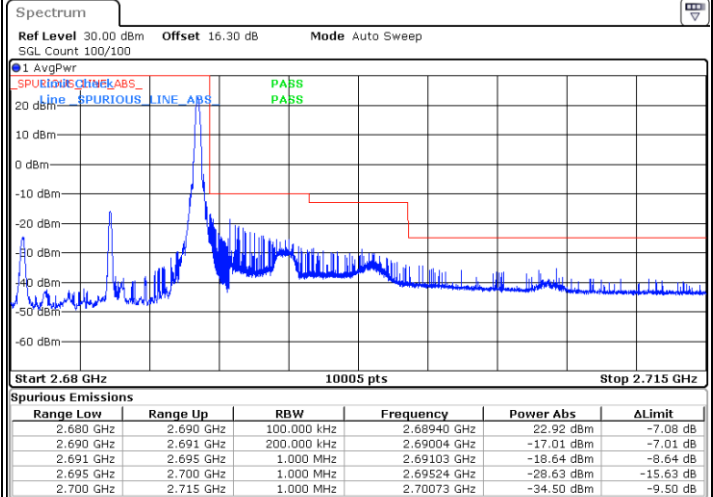


LTE Band 41 / 10MHz / QPSK

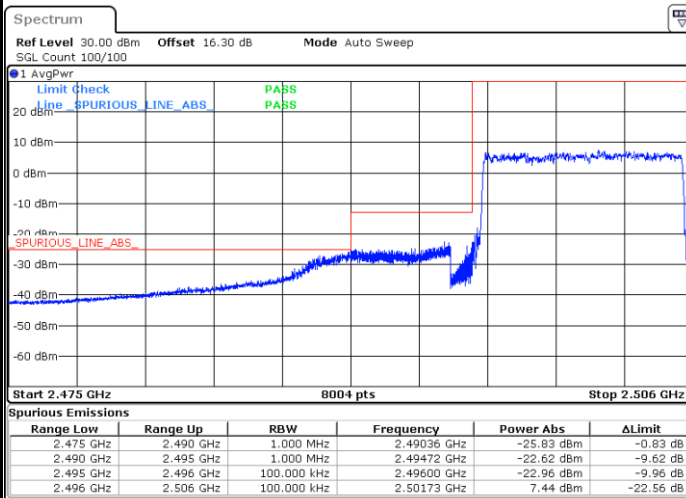
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

