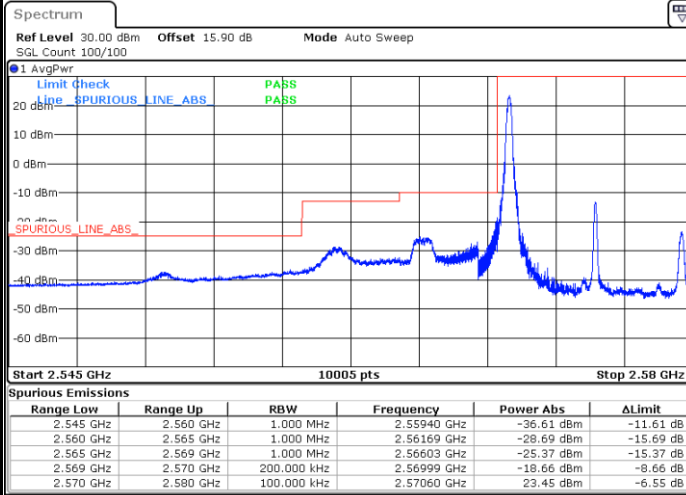


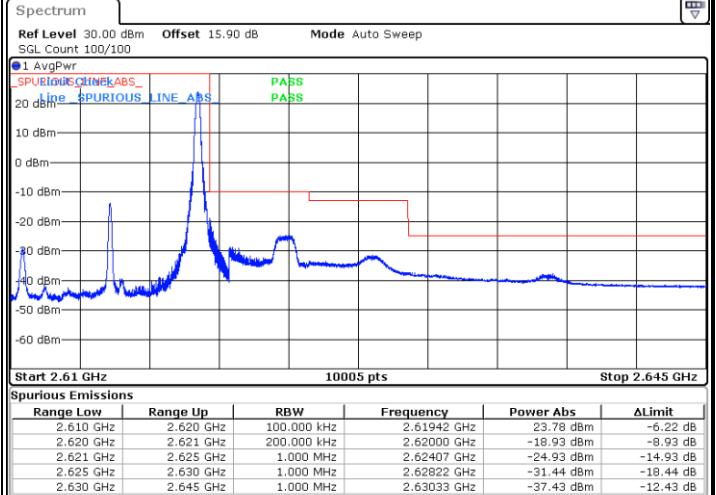


LTE Band 38 / 10MHz / 16QAM

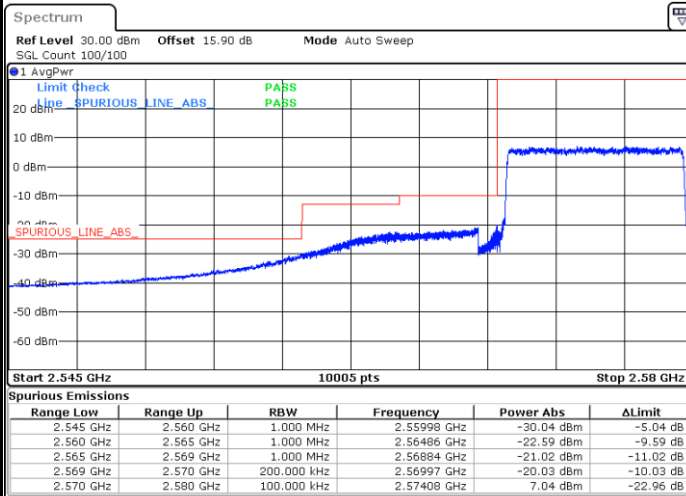
Lowest Band Edge / 1 RB



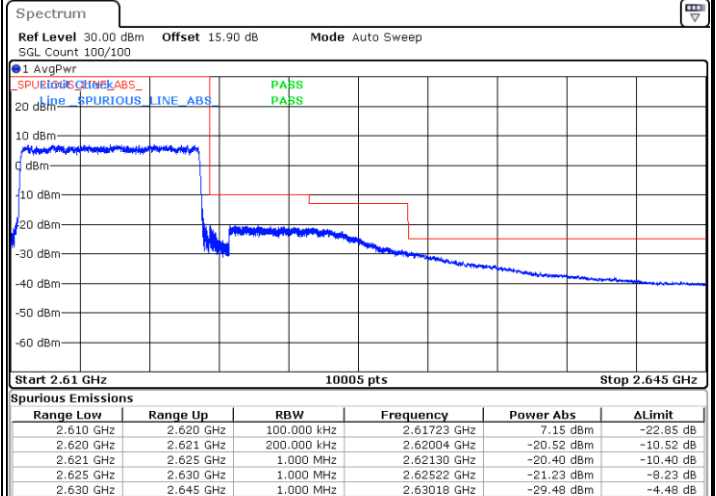
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



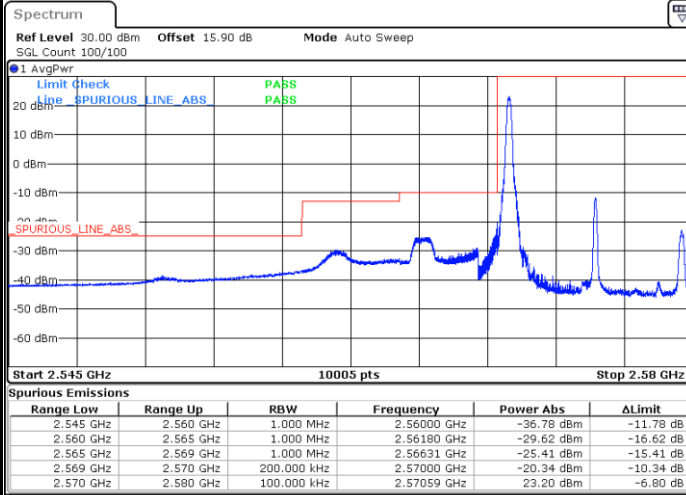
Highest Band Edge / Full RB



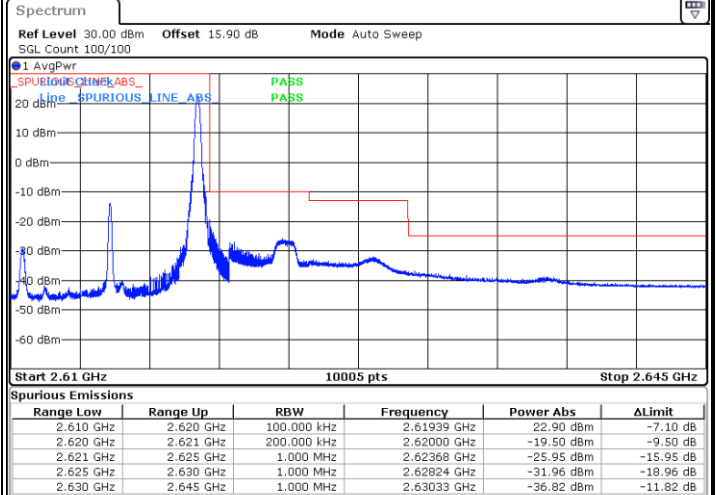


LTE Band 38 / 10MHz / 64QAM

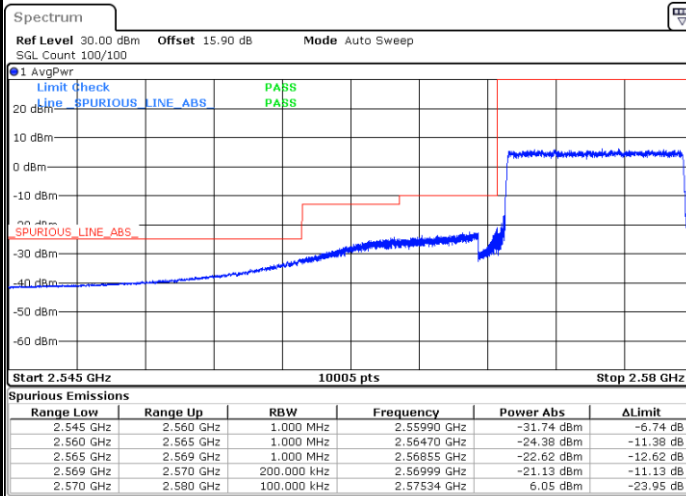
Lowest Band Edge / 1 RB



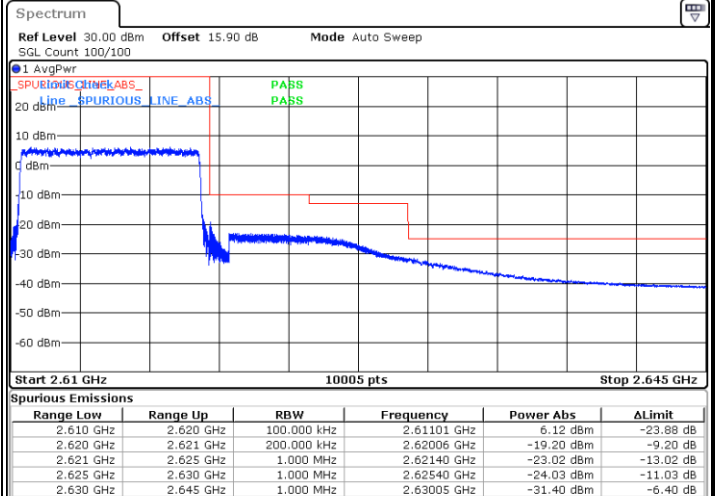
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



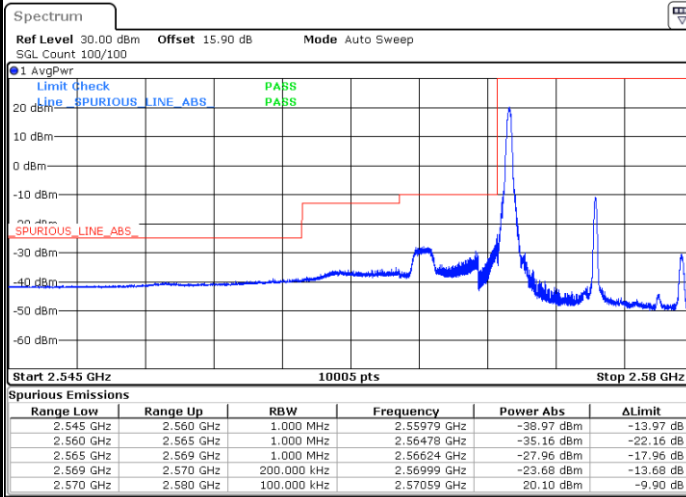
Highest Band Edge / Full RB



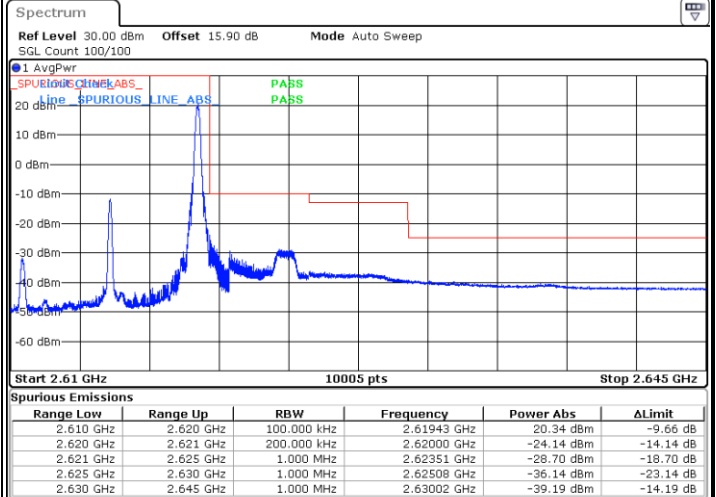


LTE Band 38 / 10MHz / 256QAM

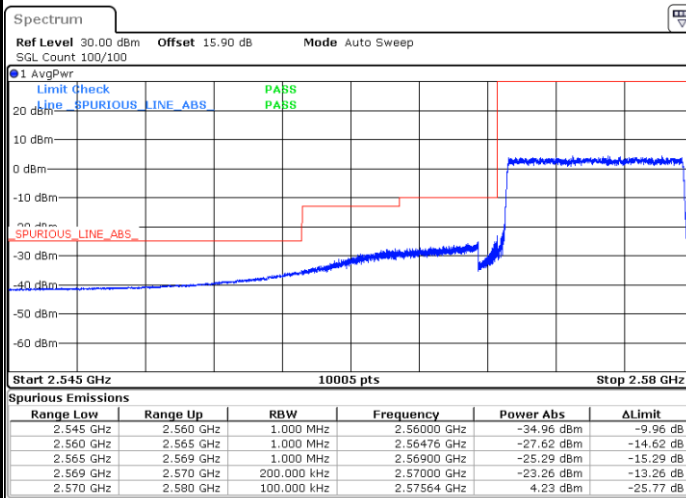
Lowest Band Edge / 1 RB



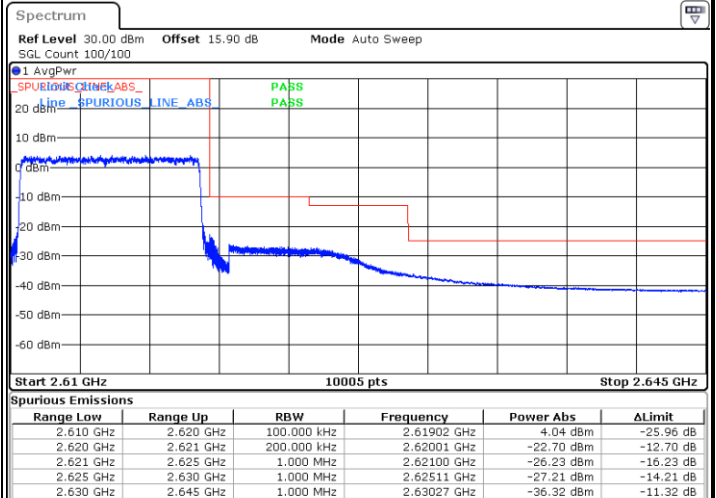
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



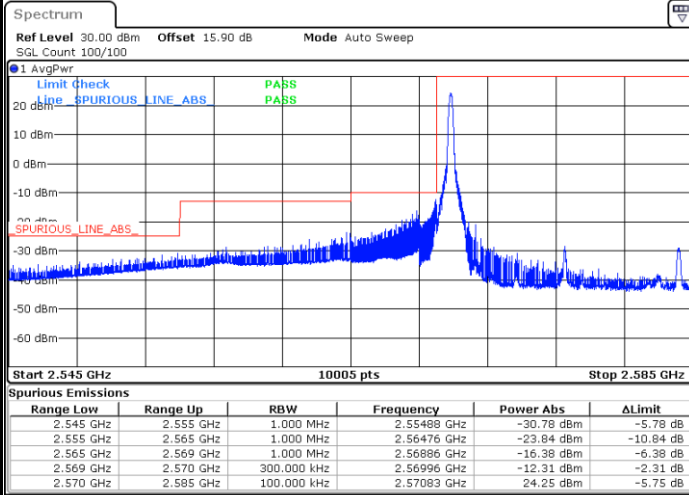
Highest Band Edge / Full RB



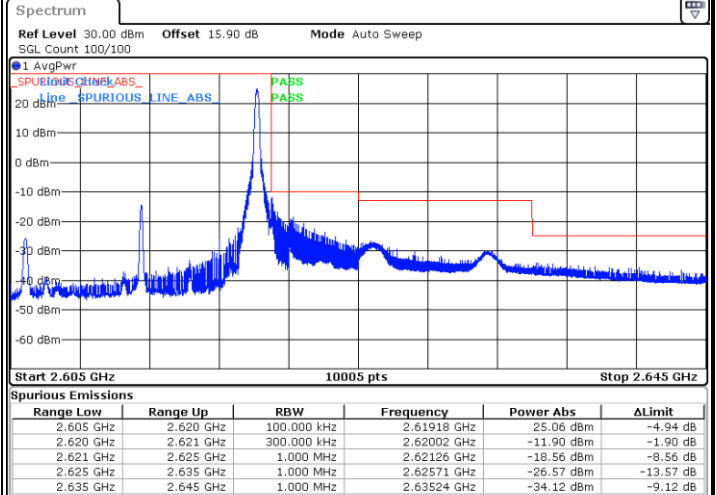


LTE Band 38 / 15MHz / QPSK

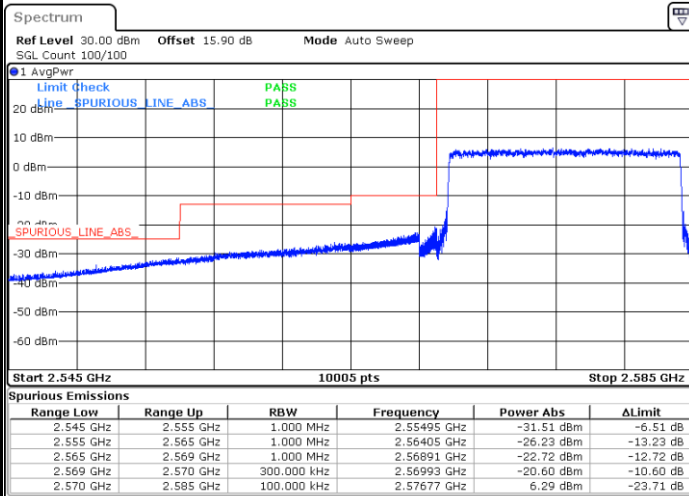
Lowest Band Edge / 1 RB



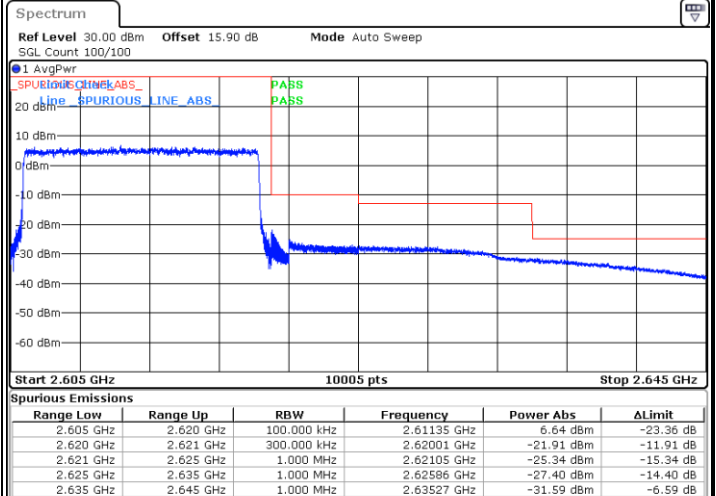
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



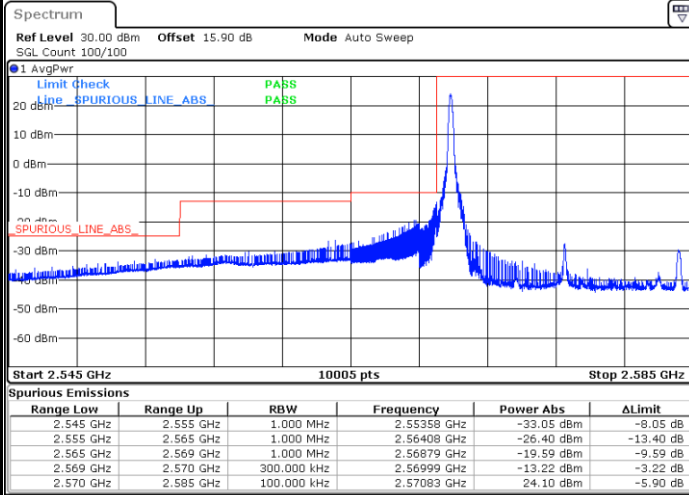
Highest Band Edge / Full RB



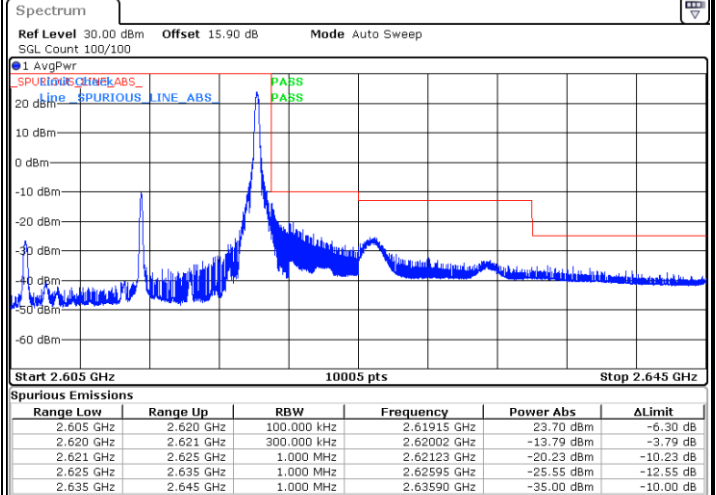


LTE Band 38 / 15MHz / 16QAM

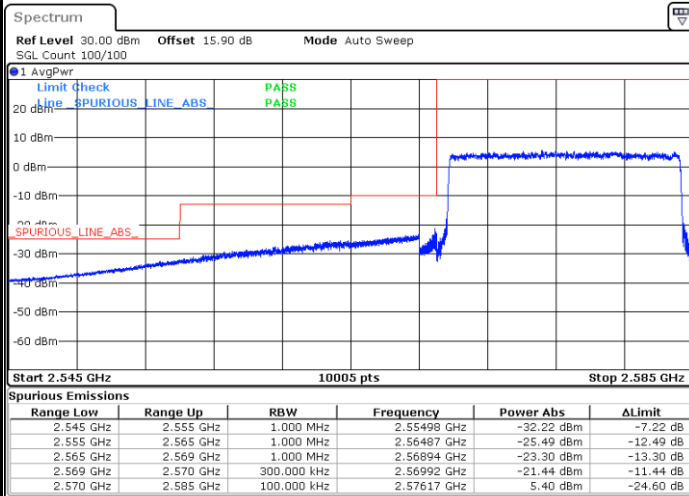
Lowest Band Edge / 1 RB



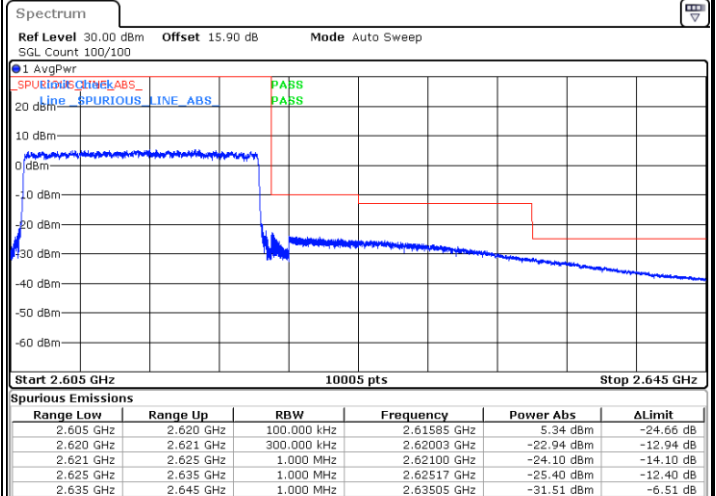
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



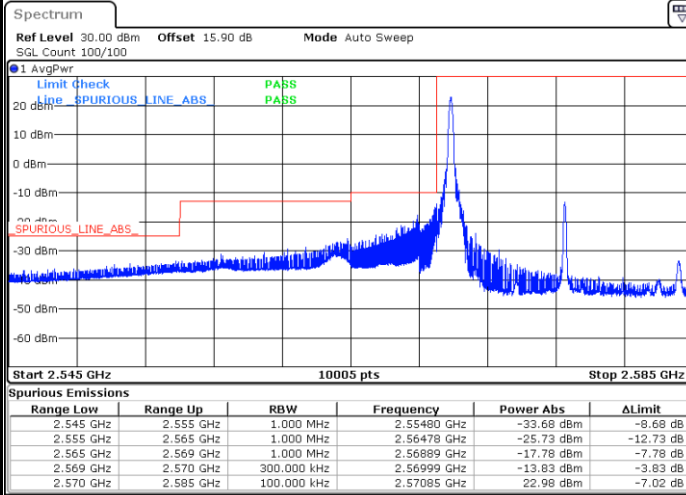
Highest Band Edge / Full RB



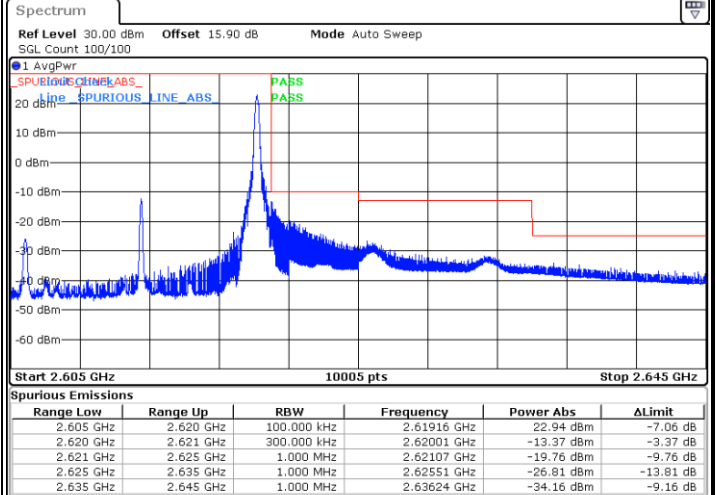


LTE Band 38 / 15MHz / 64QAM

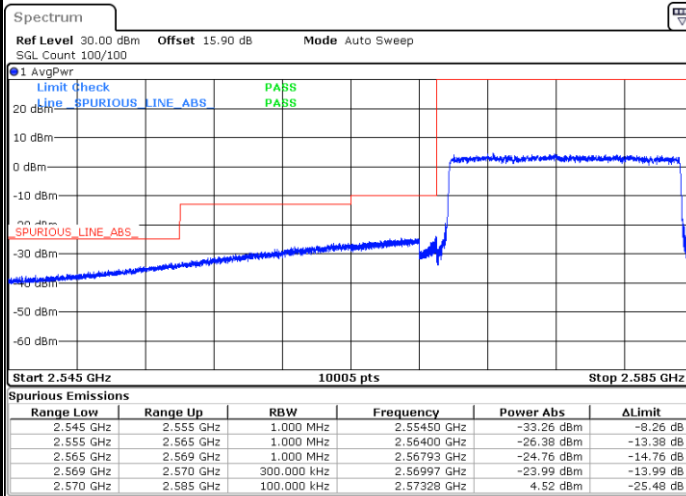
Lowest Band Edge / 1 RB



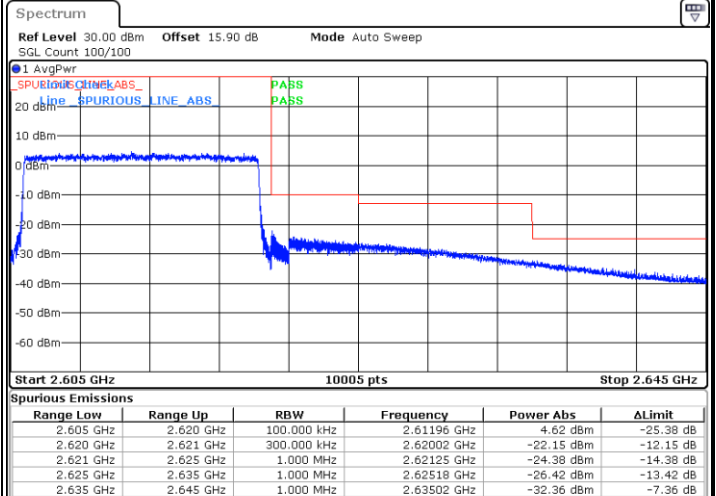
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



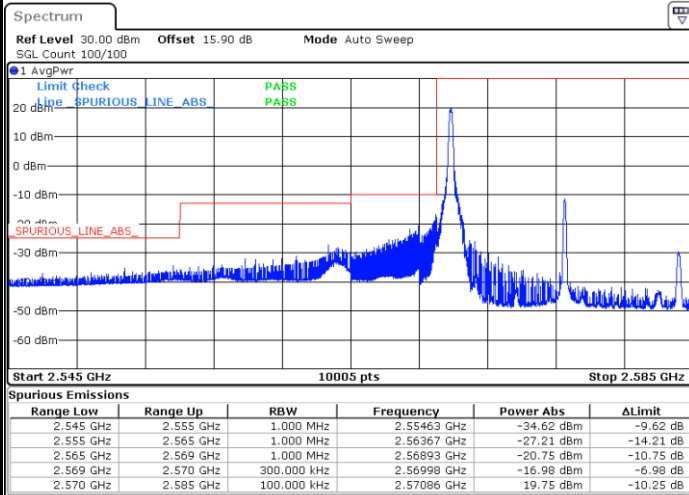
Highest Band Edge / Full RB



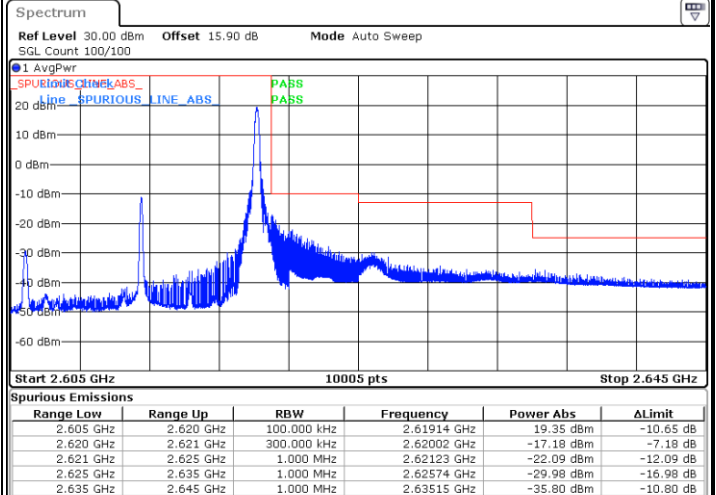


LTE Band 38 / 15MHz / 256QAM

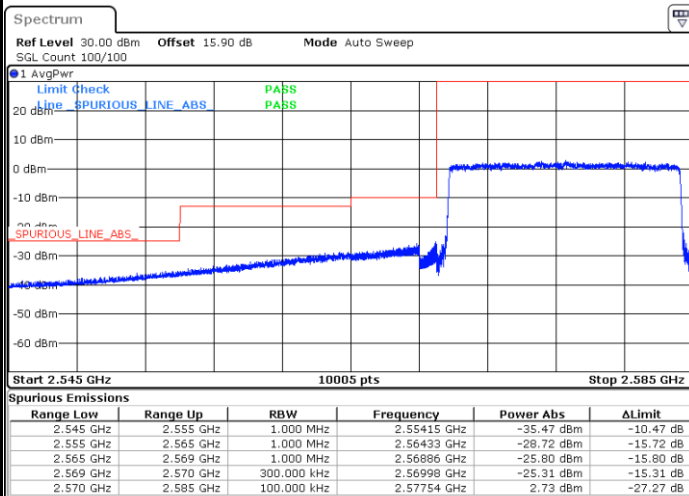
Lowest Band Edge / 1 RB



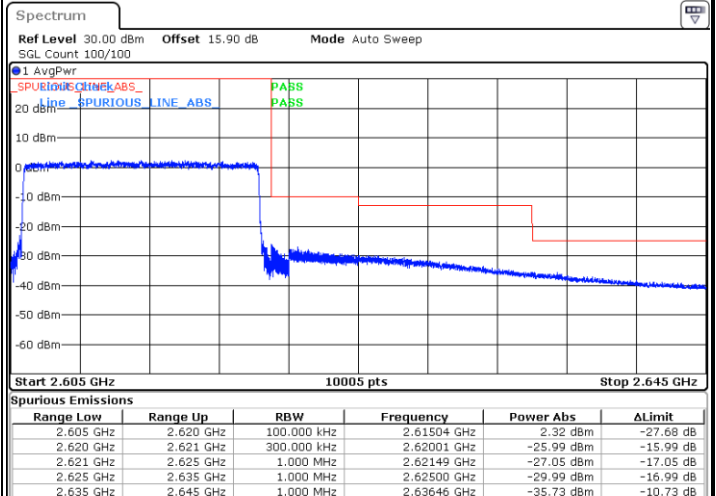
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



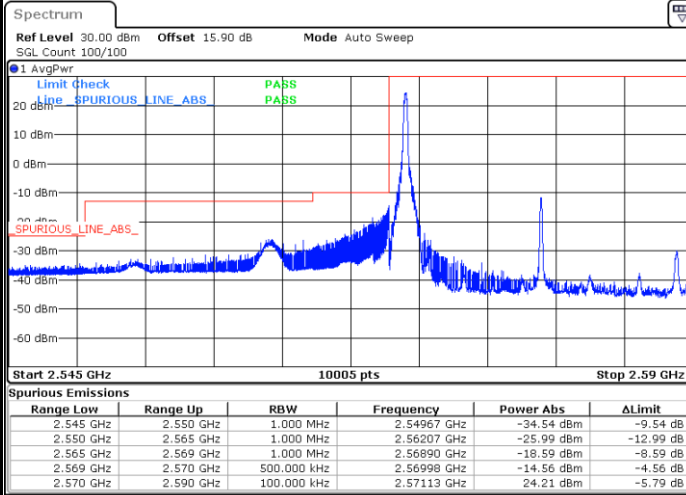
Highest Band Edge / Full RB



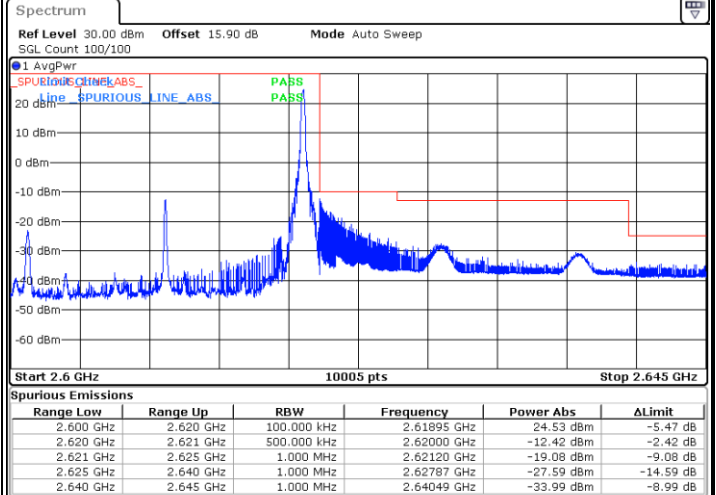


LTE Band 38 / 20MHz / QPSK

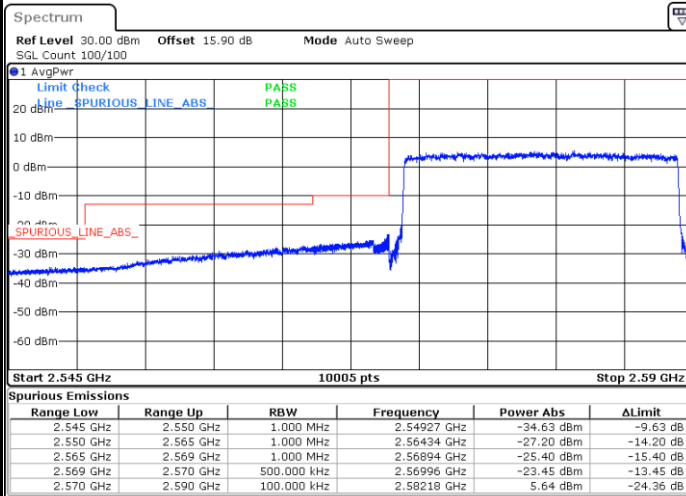
Lowest Band Edge / 1 RB



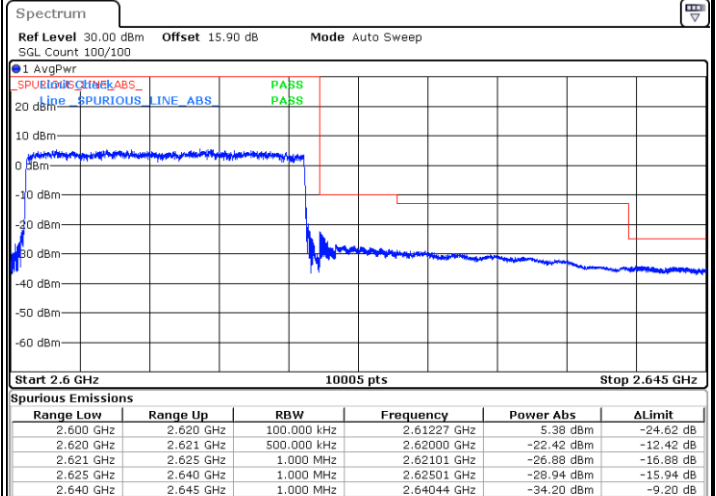
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



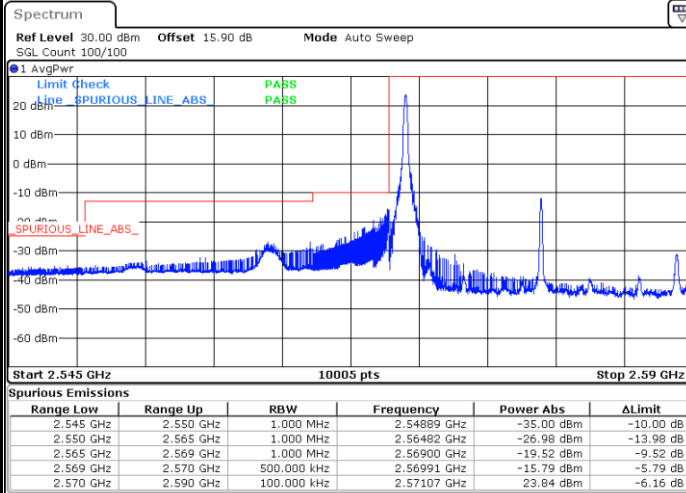
Highest Band Edge / Full RB



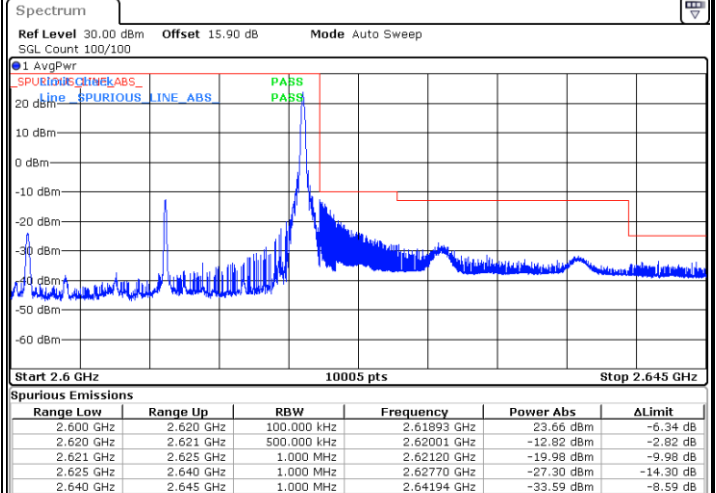


LTE Band 38 / 20MHz / 16QAM

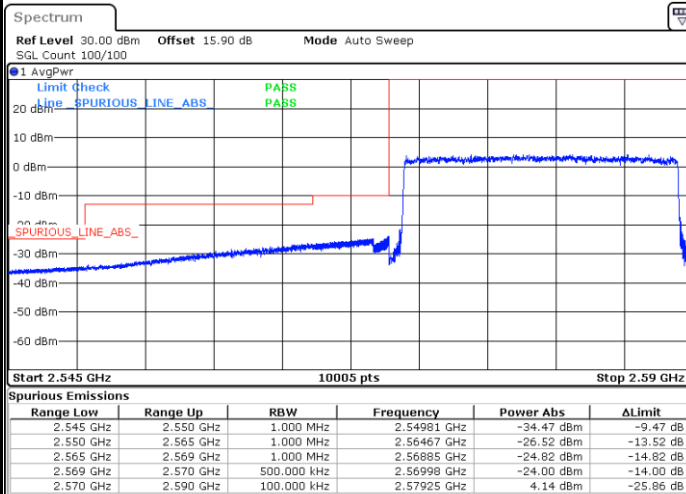
Lowest Band Edge / 1 RB



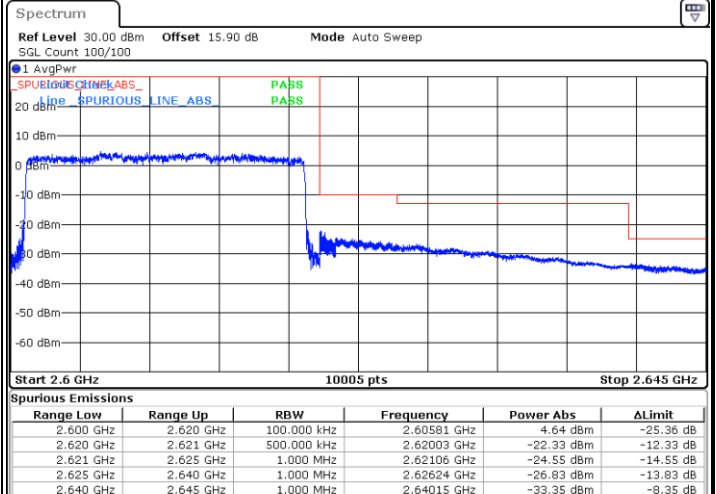
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



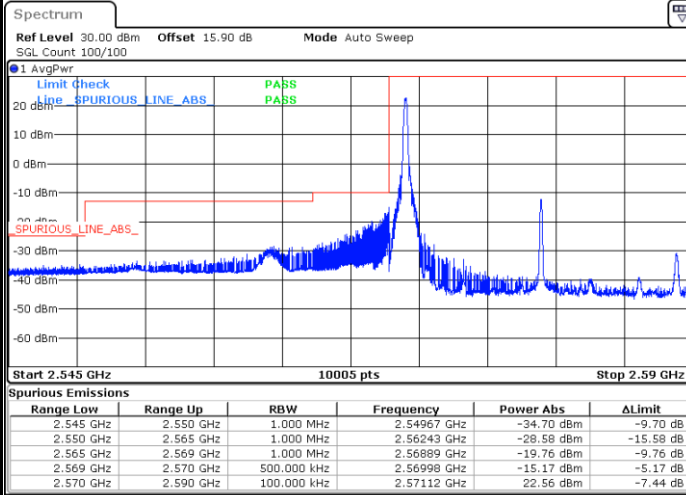
Highest Band Edge / Full RB



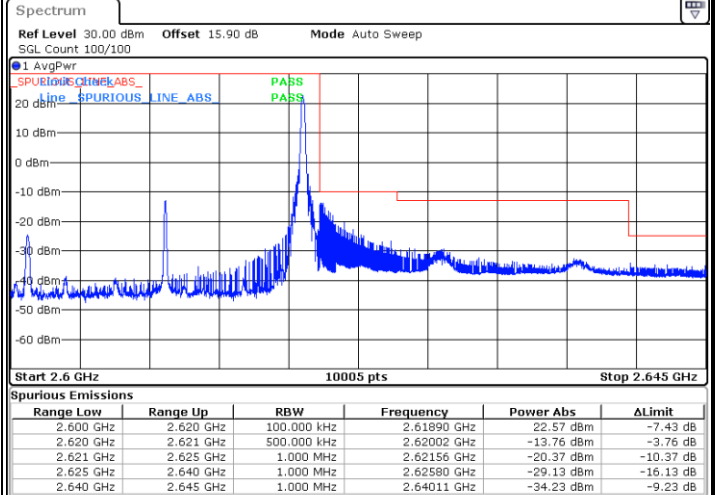


LTE Band 38 / 20MHz / 64QAM

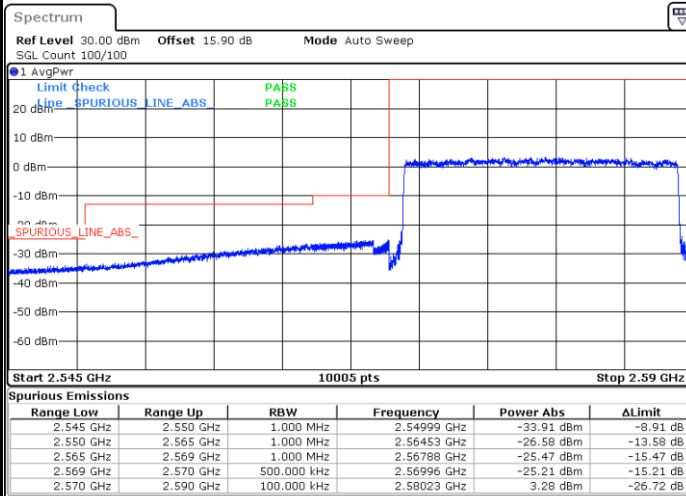
Lowest Band Edge / 1 RB



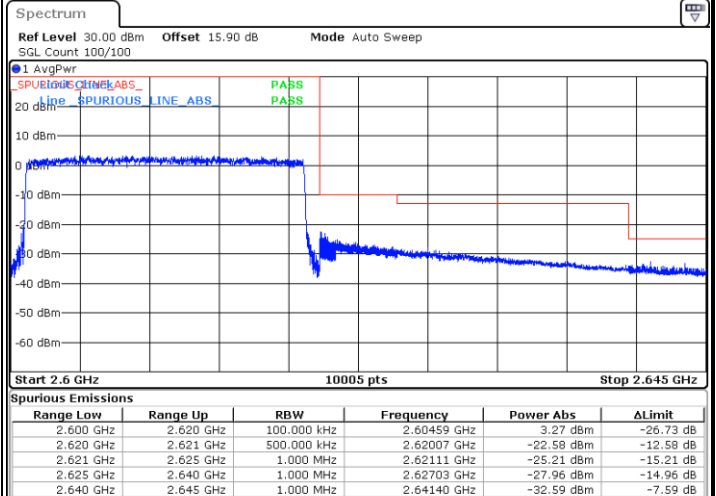
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



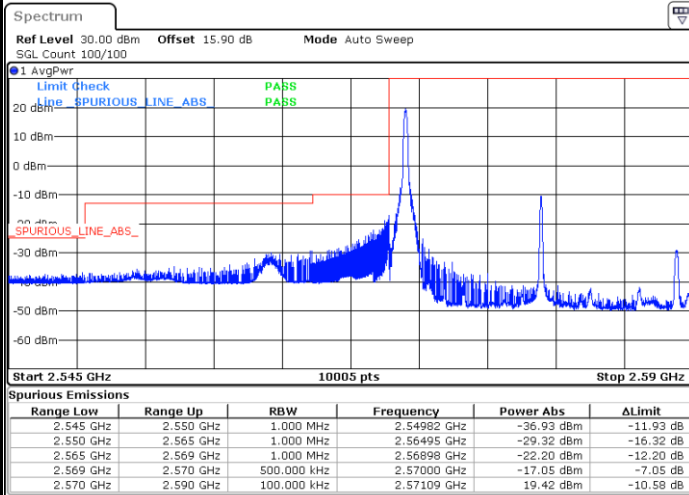
Highest Band Edge / Full RB



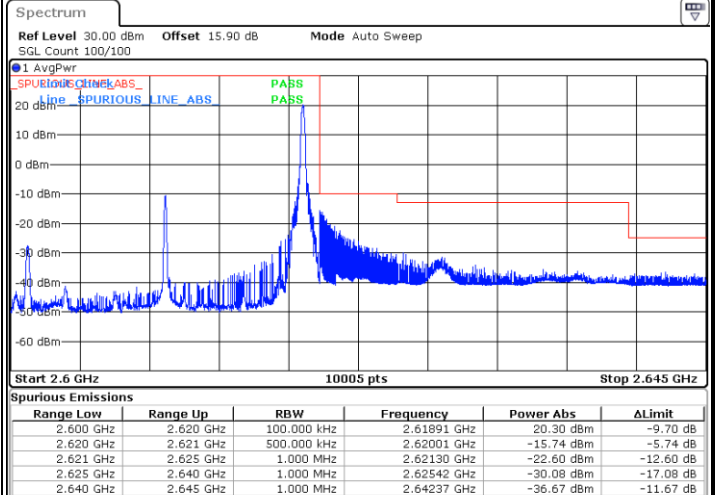


LTE Band 38 / 20MHz / 256QAM

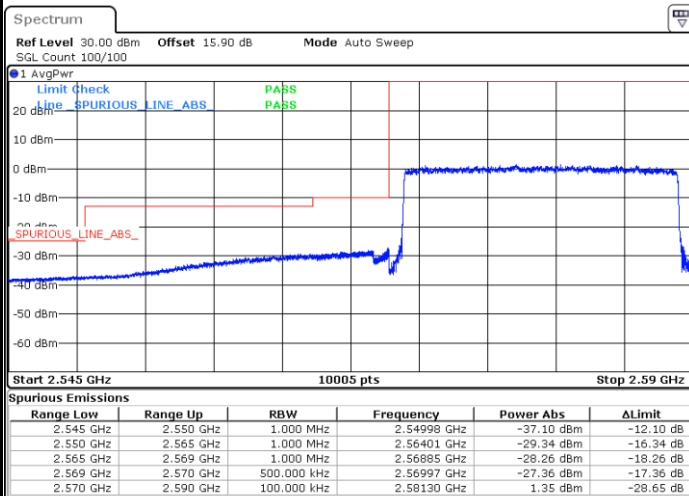
Lowest Band Edge / 1 RB



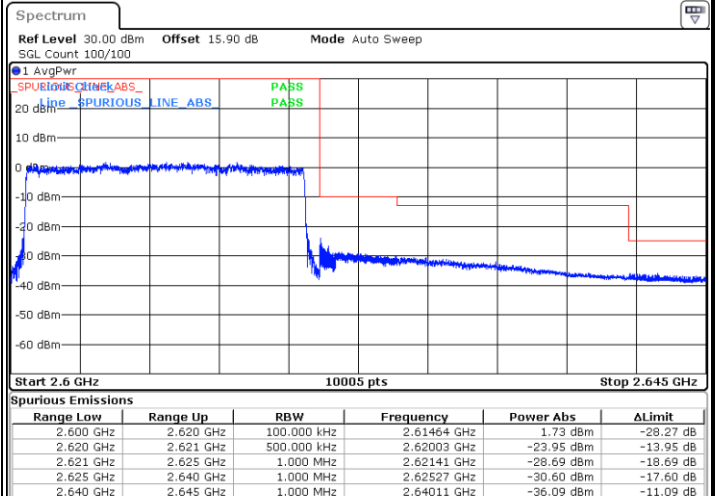
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

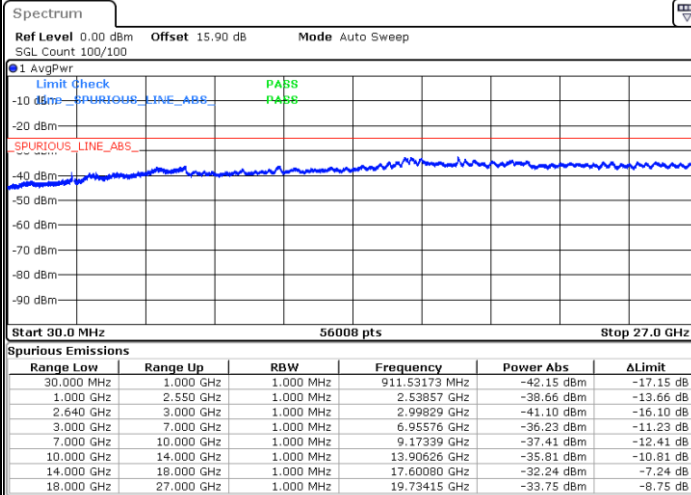




Conducted Spurious Emission

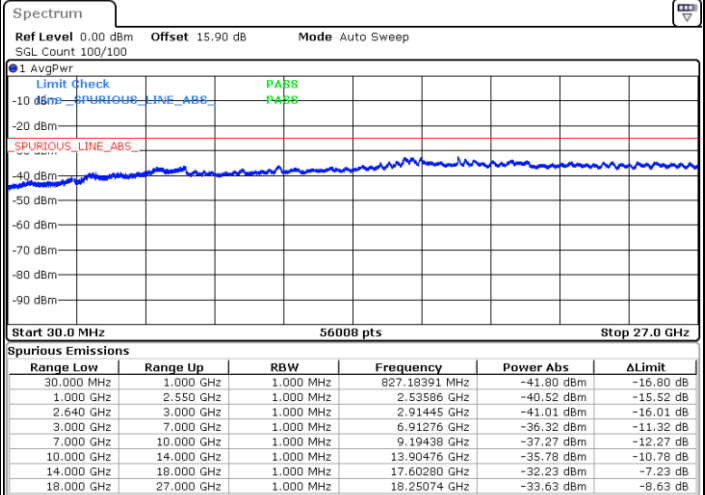
LTE Band 38 / 5MHz

Lowest Channel / QPSK



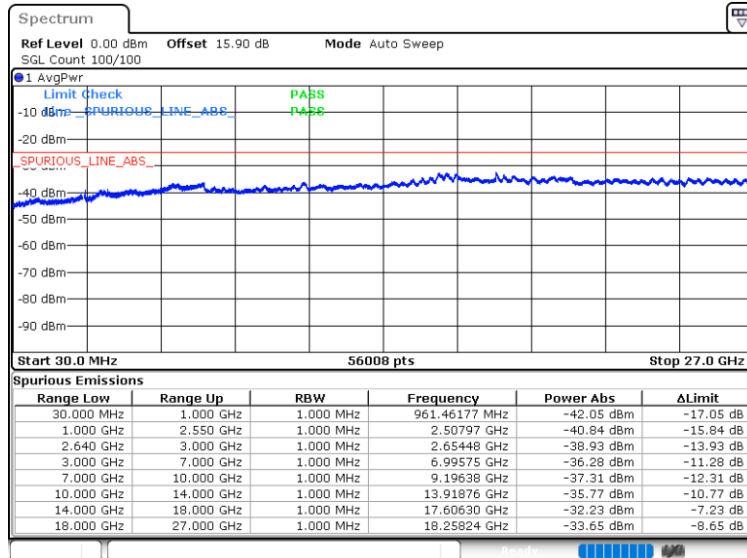
Date: 29.NOV.2021 09:11:47

Middle Channel / QPSK



Date: 29.NOV.2021 09:12:47

Highest Channel / QPSK

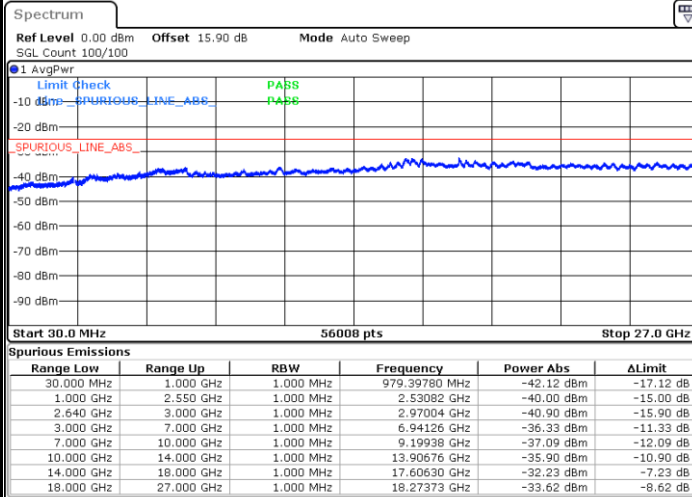


Date: 29.NOV.2021 09:13:48



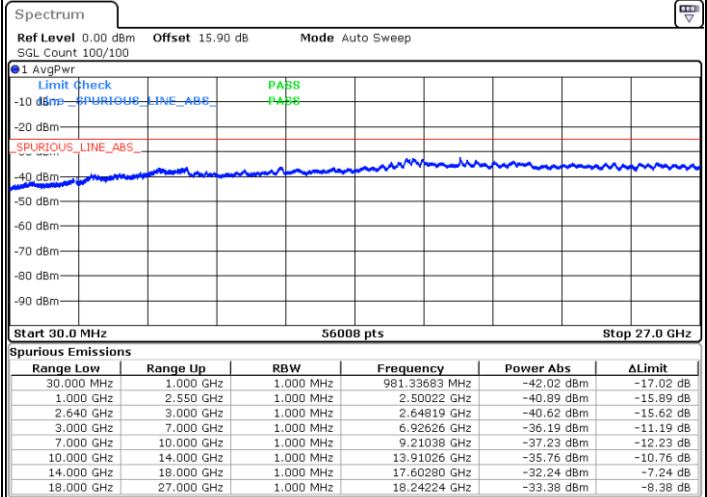
LTE Band 38 / 10MHz

Lowest Channel / QPSK



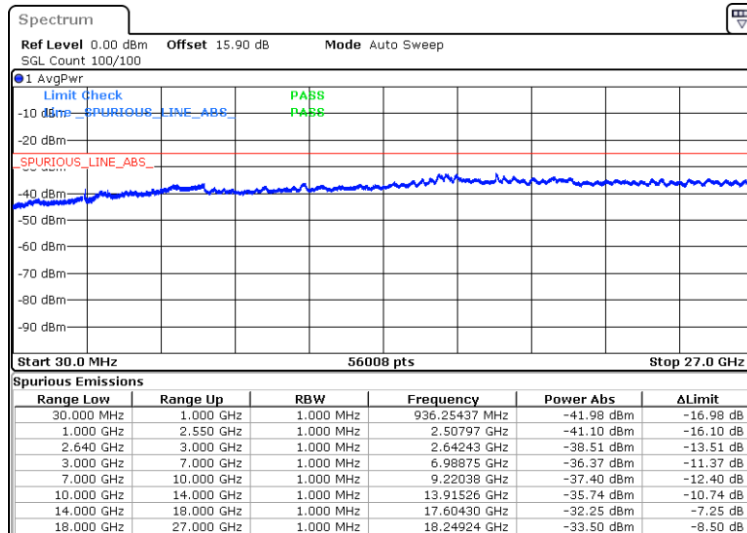
Date: 29.NOV.2021 09:15:10

Middle Channel / QPSK



Date: 29.NOV.2021 09:16:11

Highest Channel / QPSK

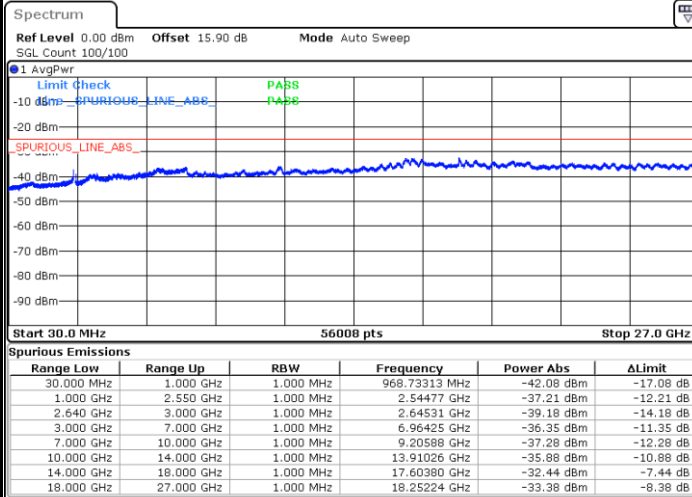


Date: 29.NOV.2021 09:17:11



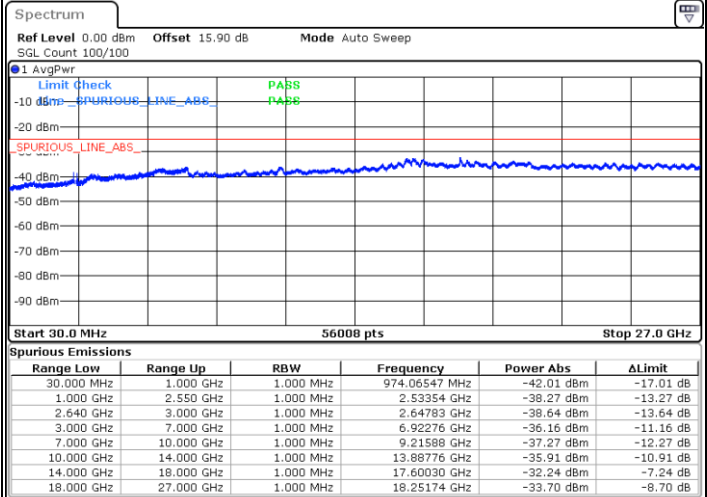
LTE Band 38 / 15MHz

Lowest Channel / QPSK



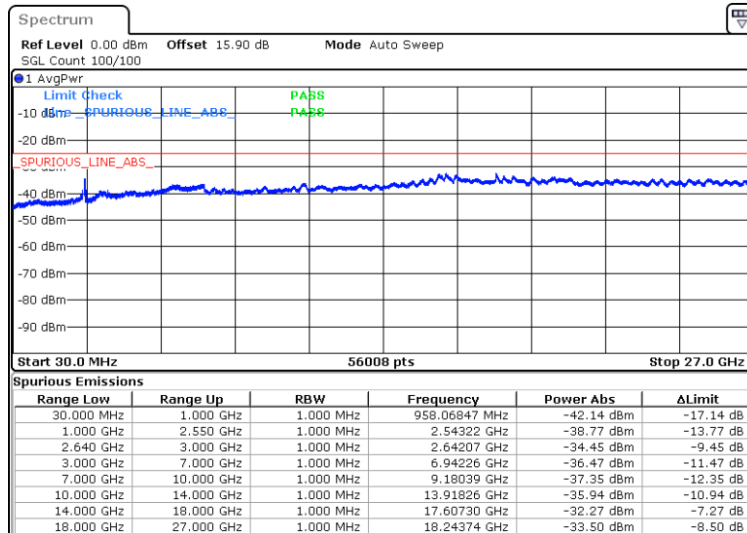
Date: 29.NOV.2021 09:18:53

Middle Channel / QPSK



Date: 29.NOV.2021 09:19:53

Highest Channel / QPSK

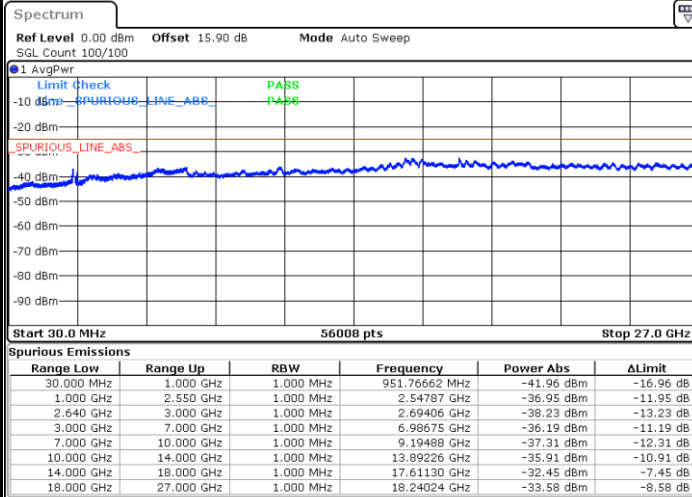


Date: 29.NOV.2021 09:20:54



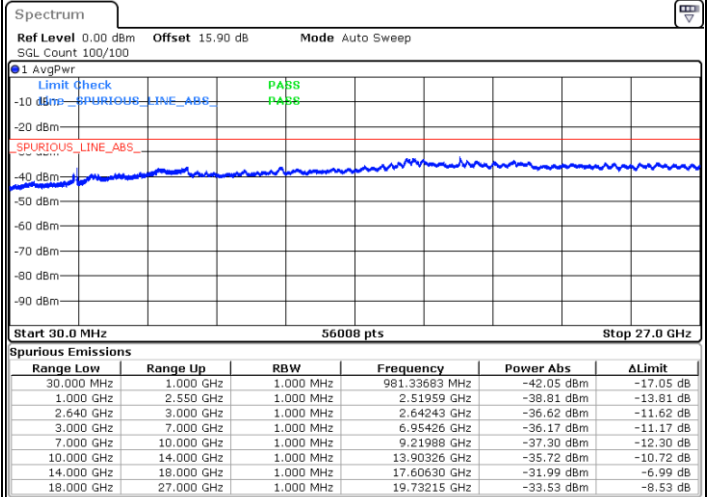
LTE Band 38 / 20MHz

Lowest Channel / QPSK



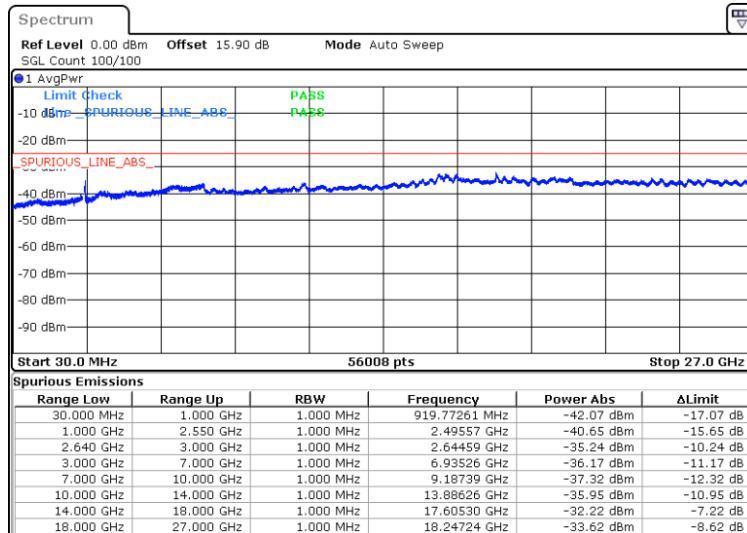
Date: 29.NOV.2021 09:22:44

Middle Channel / QPSK



Date: 29.NOV.2021 09:23:45

Highest Channel / QPSK



Date: 29.NOV.2021 09:24:45

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	0.0003	PASS
40	Normal Voltage	0.0067	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0058	
0	Normal Voltage	0.0062	
-10	Normal Voltage	0.0044	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0054	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

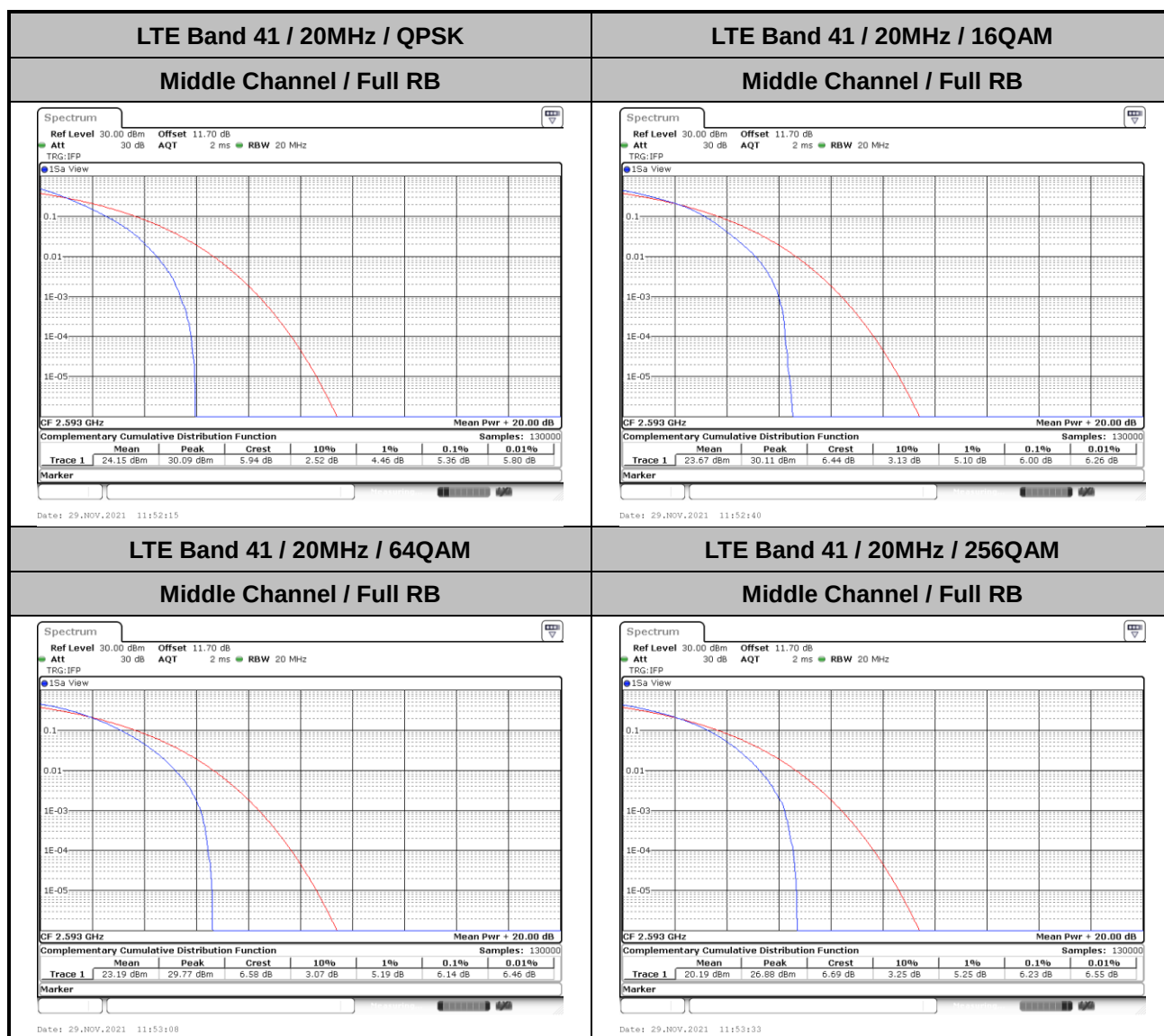
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41_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	5.36	6.00	6.14	6.23	PASS



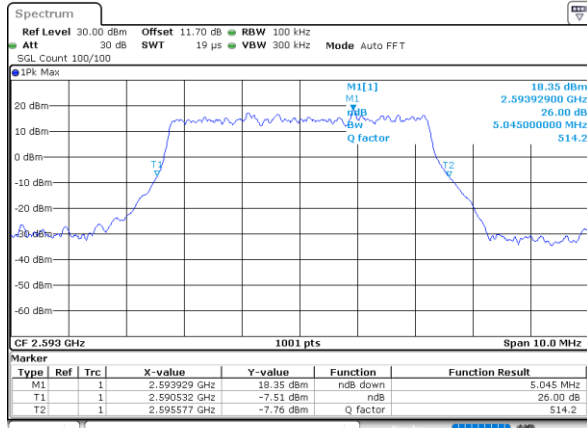
**26dB Bandwidth**

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	-	-	-	-	5.05	5.00	9.87	9.89	14.66	14.78	18.66	18.62
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	-	-	-	-	4.96	4.97	9.71	9.77	14.87	14.33	19.38	18.70



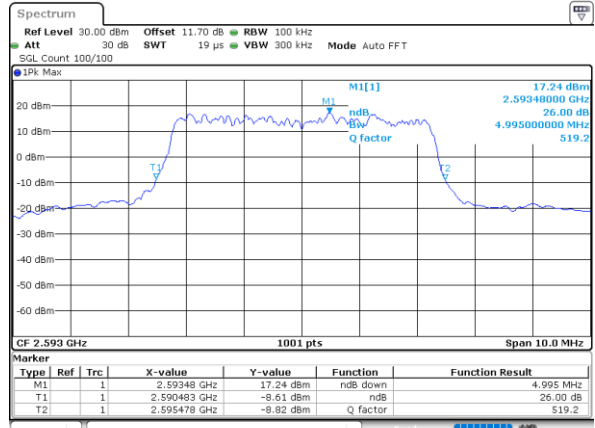
LTE Band 41

Middle Channel / 5MHz / QPSK



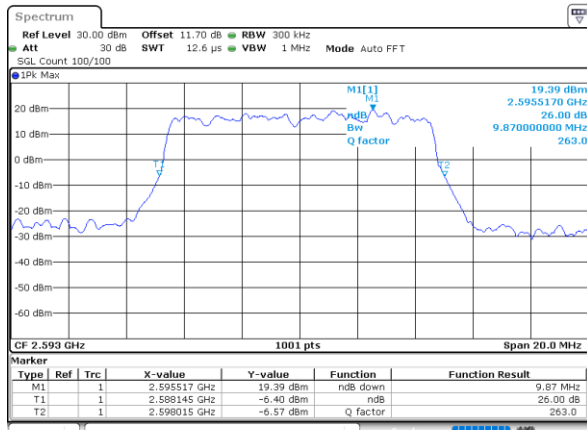
Date: 29.NOV.2021 11:43:15

Middle Channel / 5MHz / 16QAM



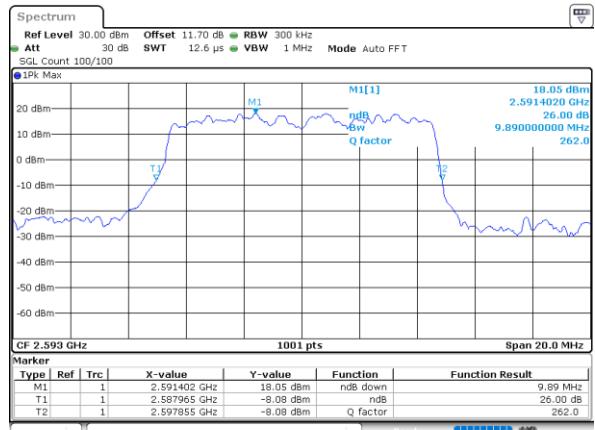
Date: 29.NOV.2021 11:43:35

Middle Channel / 10MHz / QPSK



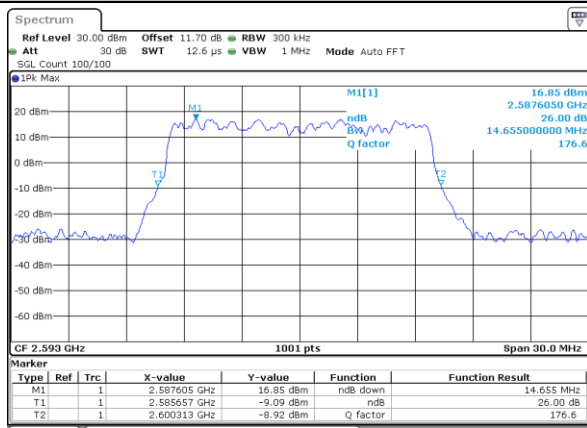
Date: 29.NOV.2021 11:45:23

Middle Channel / 10MHz / 16QAM



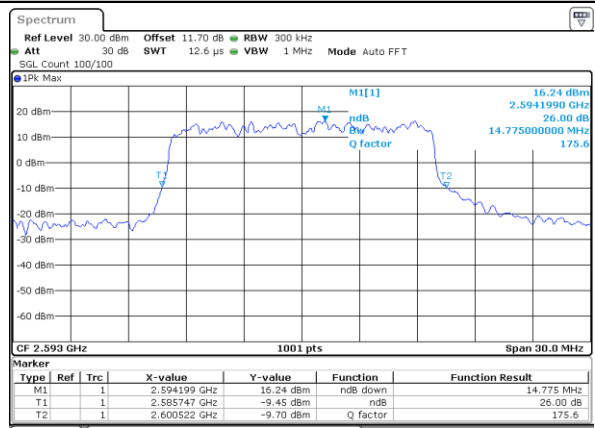
Date: 29.NOV.2021 11:45:43

Middle Channel / 15MHz / QPSK



Date: 29.NOV.2021 11:47:48

Middle Channel / 15MHz / 16QAM

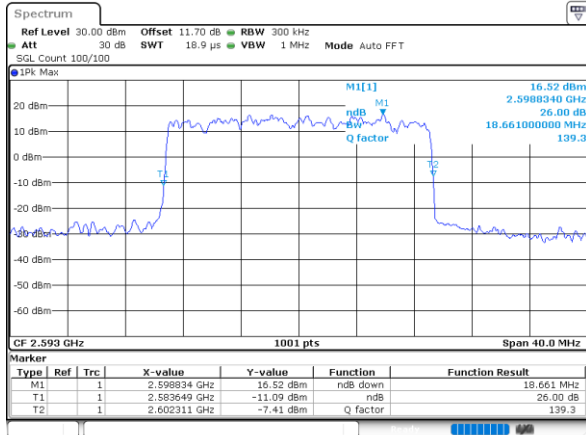


Date: 29.NOV.2021 11:48:09



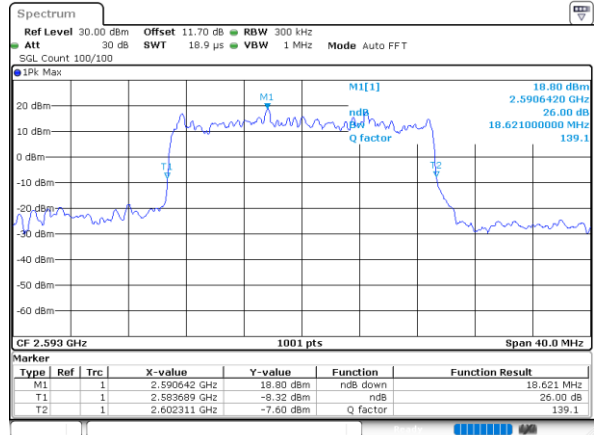
LTE Band 41

Middle Channel / 20MHz / QPSK



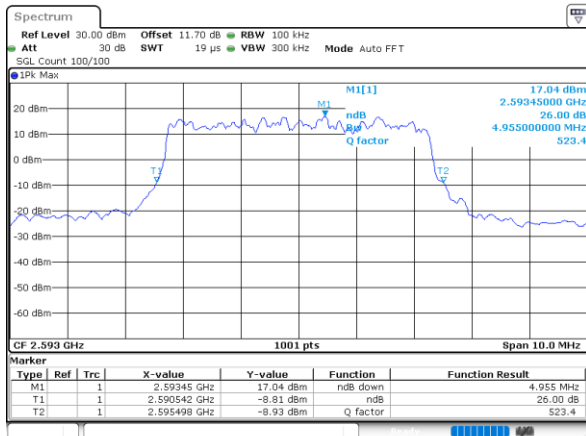
Date: 29.NOV.2021 11:50:07

Middle Channel / 20MHz / 16QAM



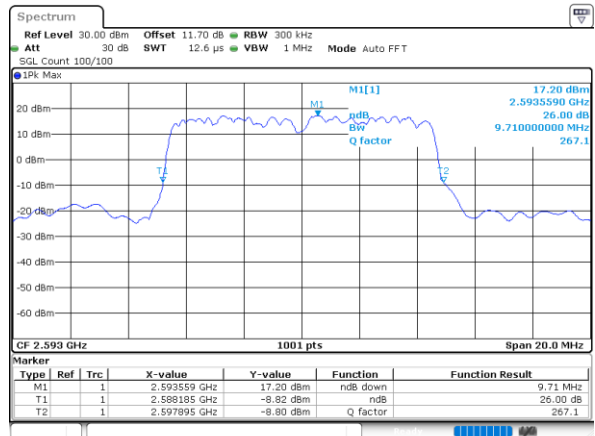
Date: 29.NOV.2021 11:50:28

Middle Channel / 5MHz / 64QAM



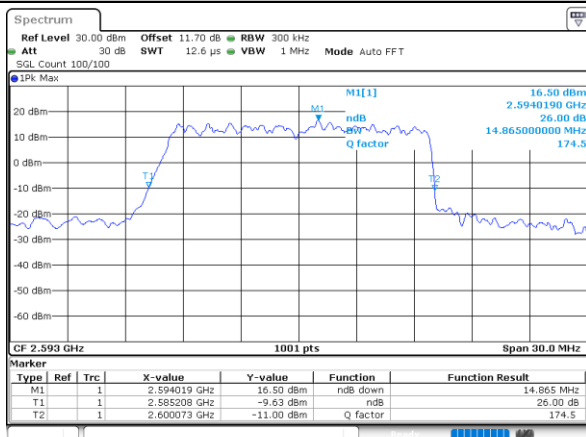
Date: 29.NOV.2021 11:44:17

Middle Channel / 10MHz / 64QAM



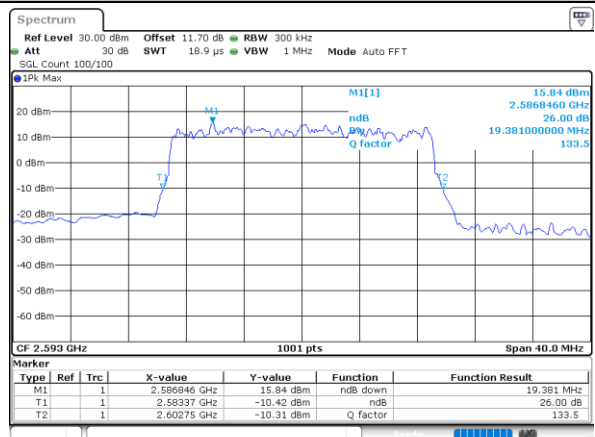
Date: 29.NOV.2021 11:46:25

Middle Channel / 15MHz / 64QAM



Date: 29.NOV.2021 11:48:50

Middle Channel / 20MHz / 64QAM

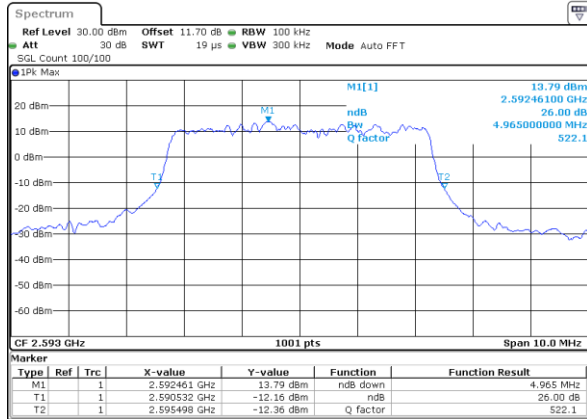


Date: 29.NOV.2021 11:51:09



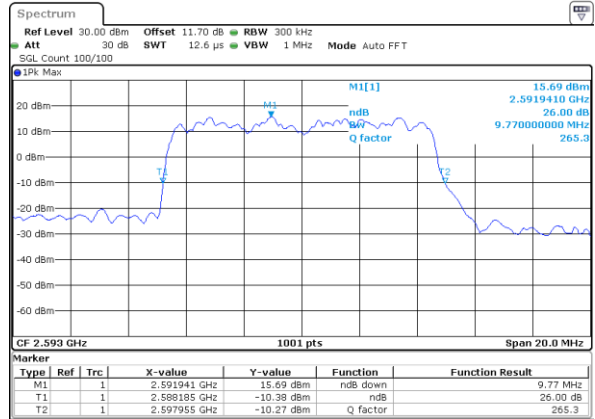
LTE Band 41

Middle Channel / 5MHz / 256QAM



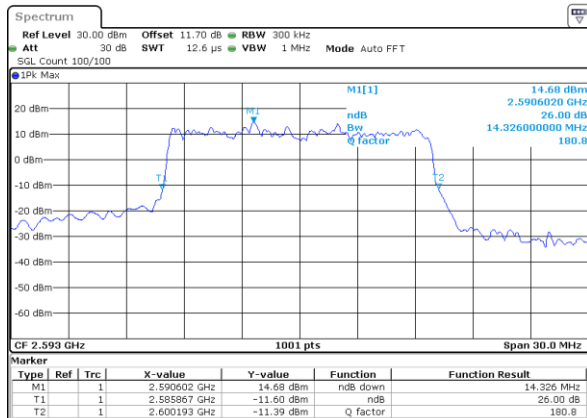
Date: 29.NOV.2021 11:55:47

Middle Channel / 10MHz / 256QAM



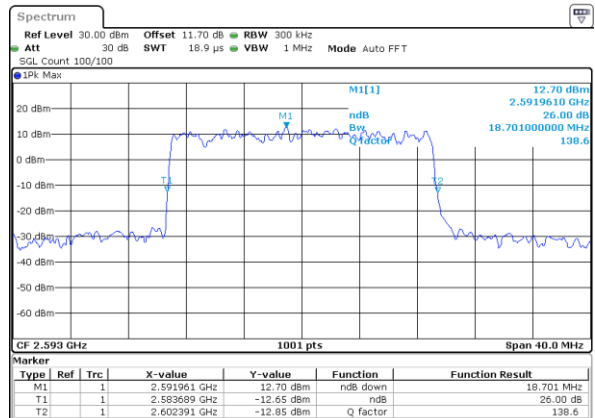
Date: 29.NOV.2021 11:55:11

Middle Channel / 15MHz / 256QAM



Date: 29.NOV.2021 11:54:27

Middle Channel / 20MHz / 256QAM



Date: 29.NOV.2021 11:53:56

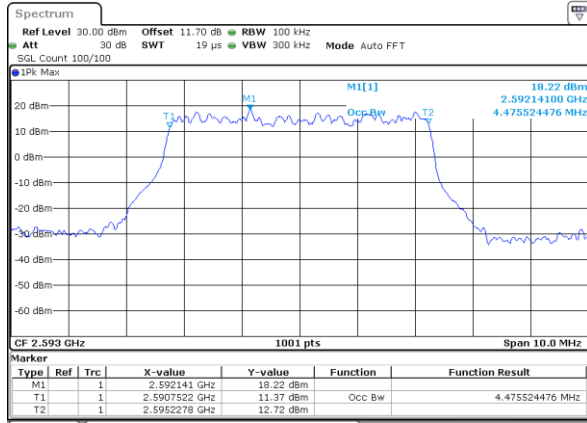
**Occupied Bandwidth**

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	-	-	-	-	4.48	4.49	9.03	9.05	13.40	13.46	17.82	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	4.46	9.05	9.01	13.43	13.43	17.90	17.86



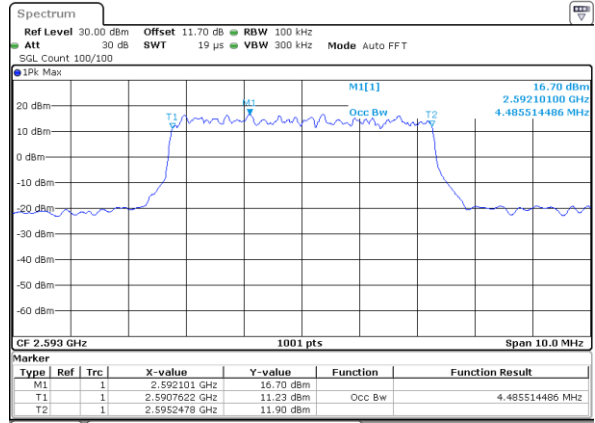
LTE Band 41

Middle Channel / 5MHz / QPSK



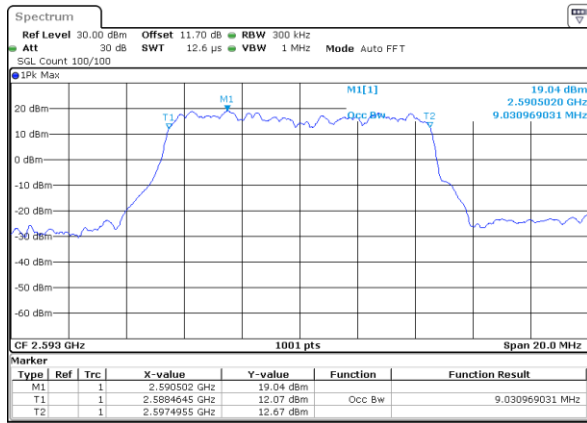
Date: 29.NOV.2021 11:42:33

Middle Channel / 5MHz / 16QAM



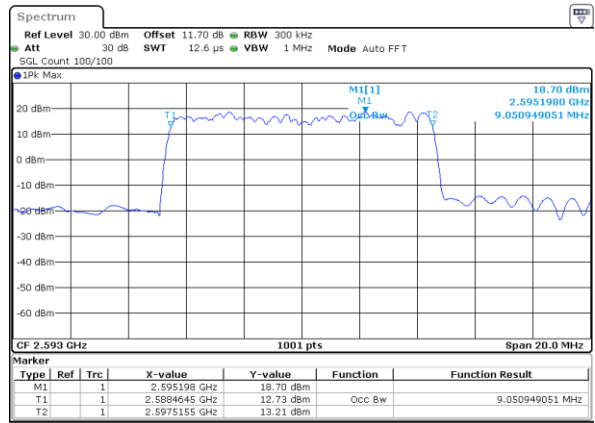
Date: 29.NOV.2021 11:42:54

Middle Channel / 10MHz / QPSK



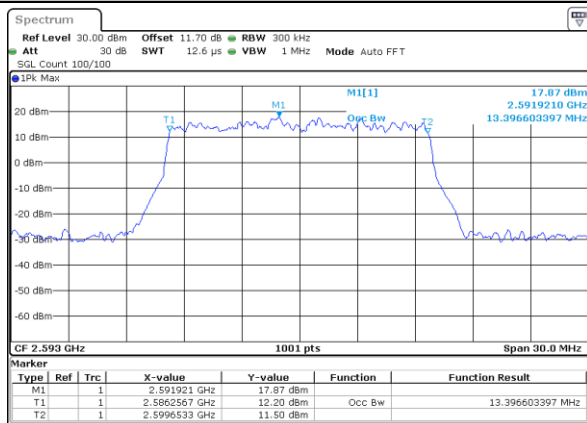
Date: 29.NOV.2021 11:44:41

Middle Channel / 10MHz / 16QAM



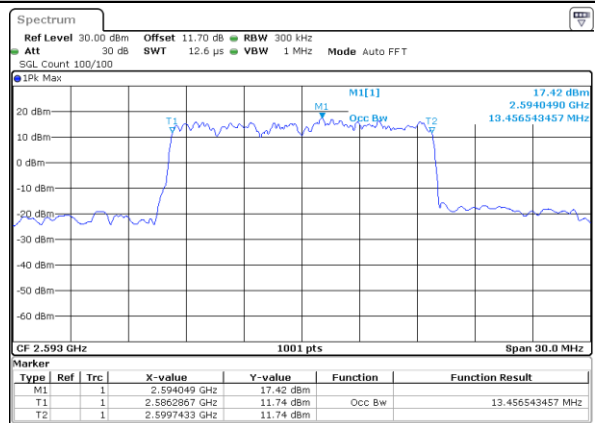
Date: 29.NOV.2021 11:45:02

Middle Channel / 15MHz / QPSK



Date: 29.NOV.2021 11:47:07

Middle Channel / 15MHz / 16QAM

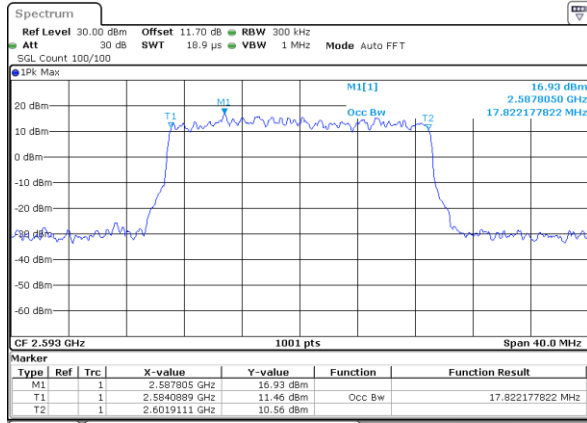


Date: 29.NOV.2021 11:47:27



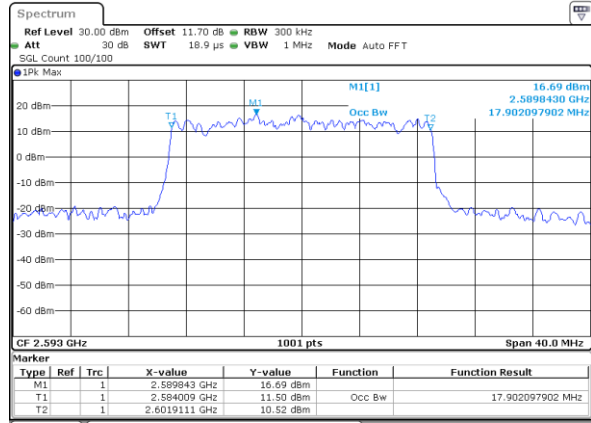
LTE Band 41

Middle Channel / 20MHz / QPSK



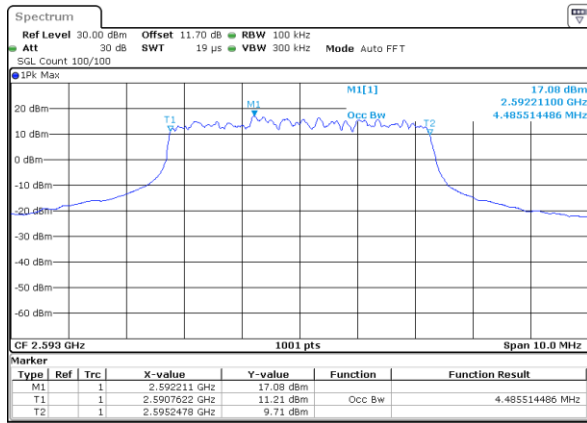
Date: 29.NOV.2021 11:51:33

Middle Channel / 20MHz / 16QAM



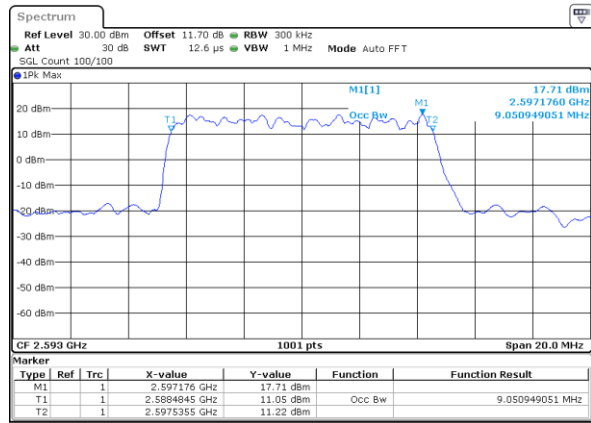
Date: 29.NOV.2021 11:49:16

Middle Channel / 5MHz / 64QAM



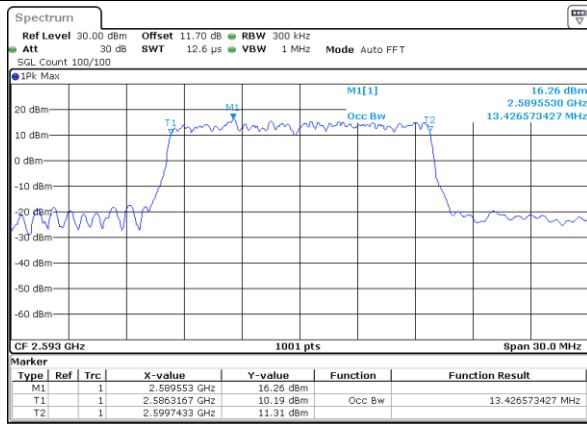
Date: 29.NOV.2021 11:43:56

Middle Channel / 10MHz / 64QAM



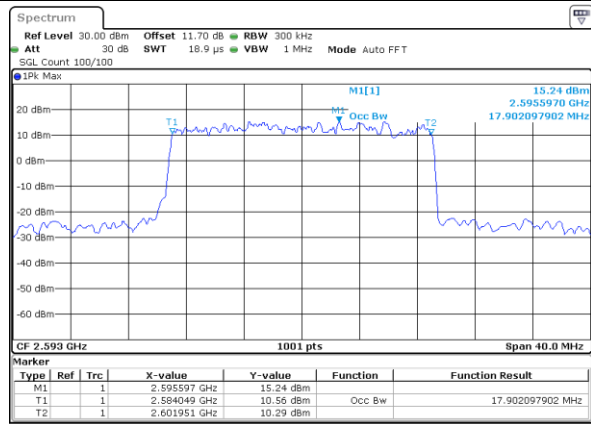
Date: 29.NOV.2021 11:46:05

Middle Channel / 15MHz / 64QAM



Date: 29.NOV.2021 11:48:30

Middle Channel / 20MHz / 64QAM

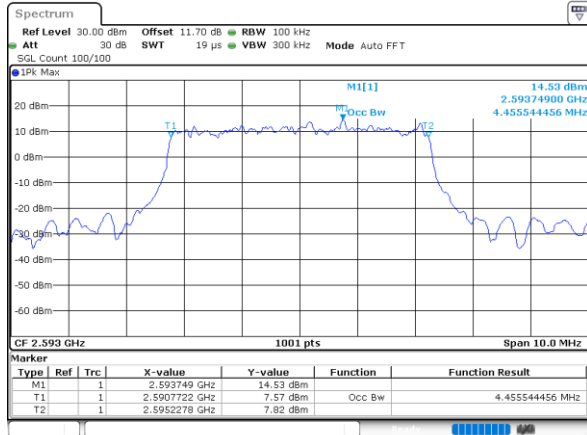


Date: 29.NOV.2021 11:50:49

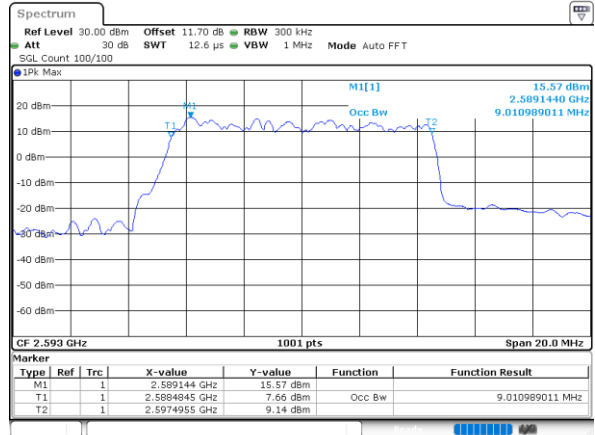


LTE Band 41

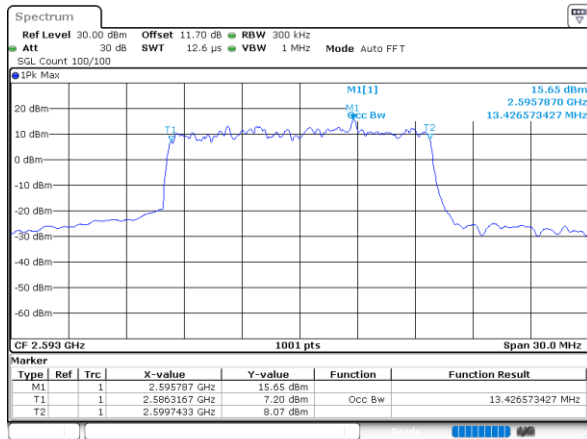
Middle Channel / 5MHz / 256QAM



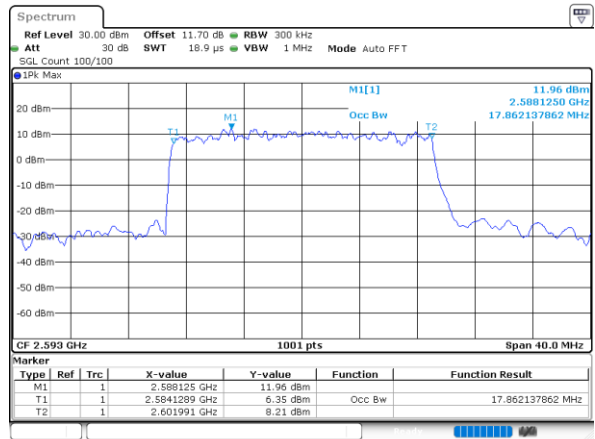
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

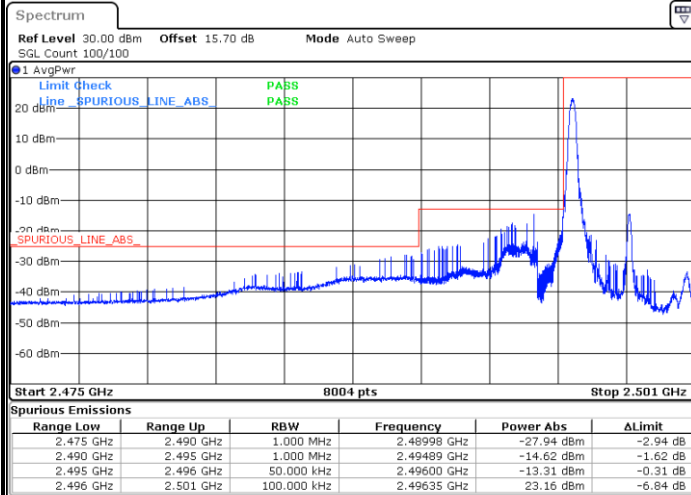




Conducted Band Edge

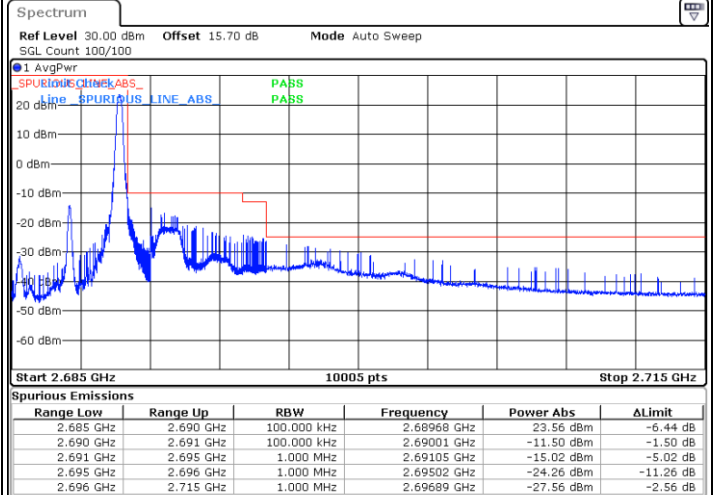
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 23.NOV.2021 14:42:16

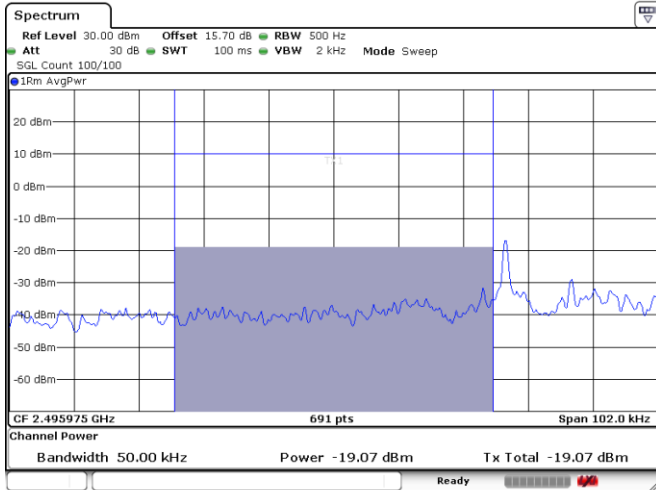
Highest Band Edge / 1 RB



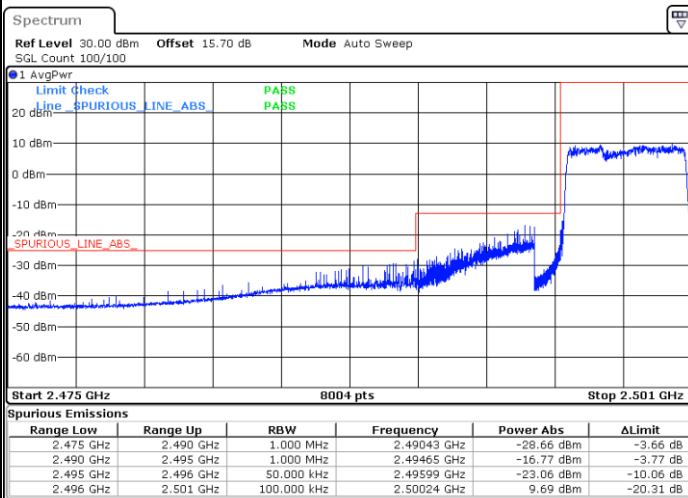
Date: 23.NOV.2021 14:44:57



Channel power verify

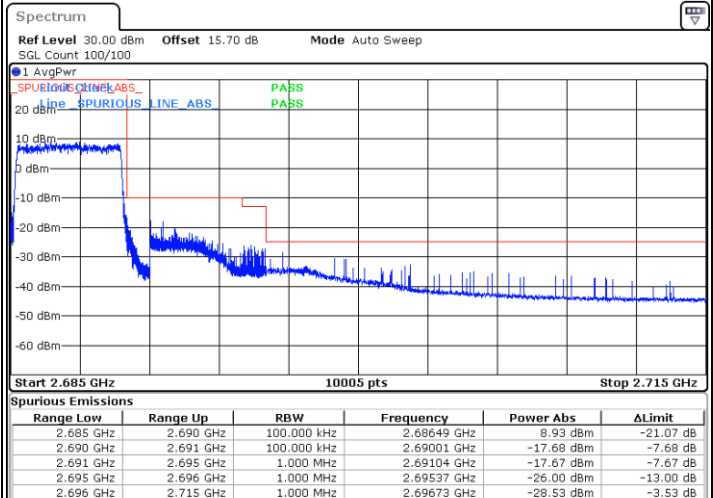


Lowest Band Edge / Full RB



Date: 23.NOV.2021 14:43:36

Highest Band Edge / Full RB

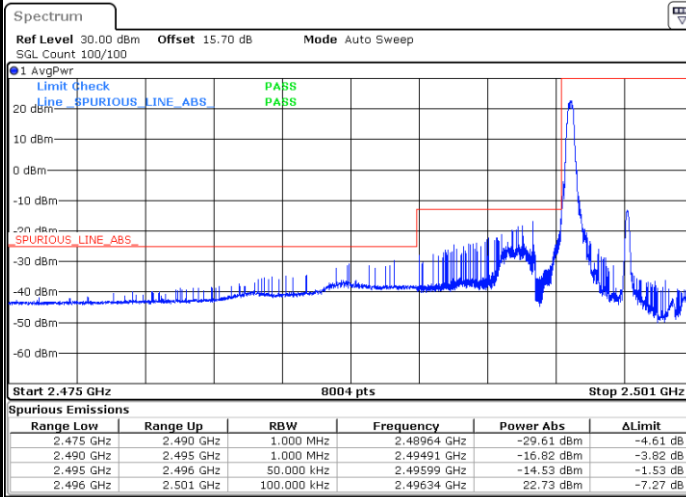


Date: 23.NOV.2021 17:36:28

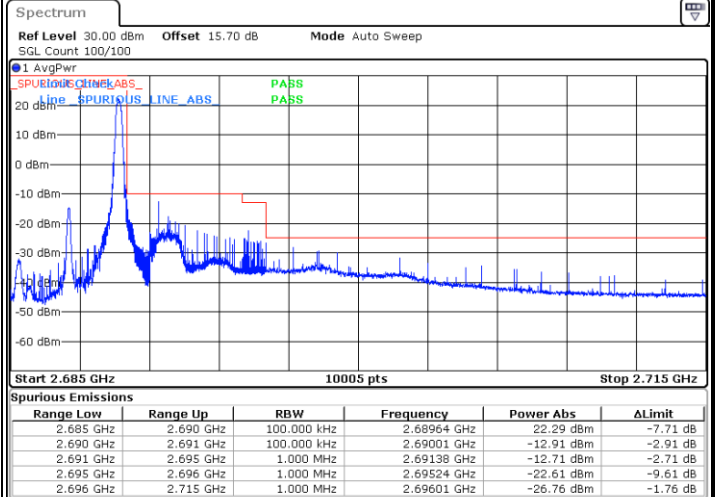


LTE Band 41 / 5MHz / 16QAM

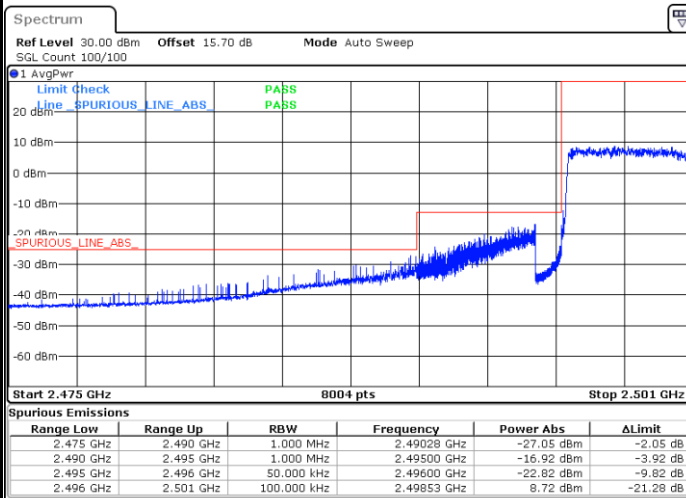
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

