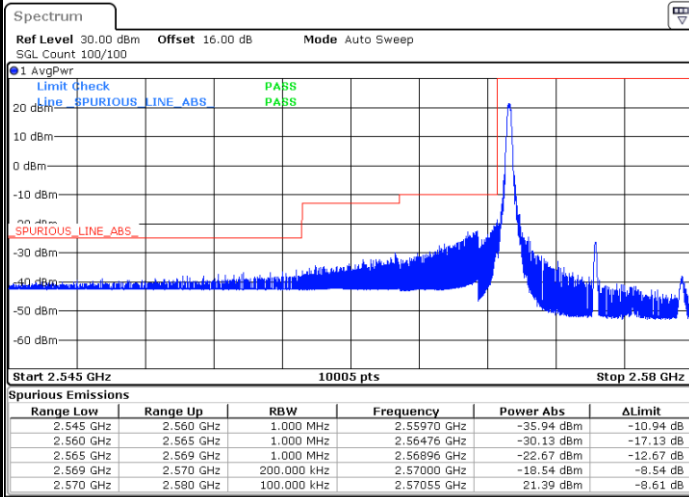


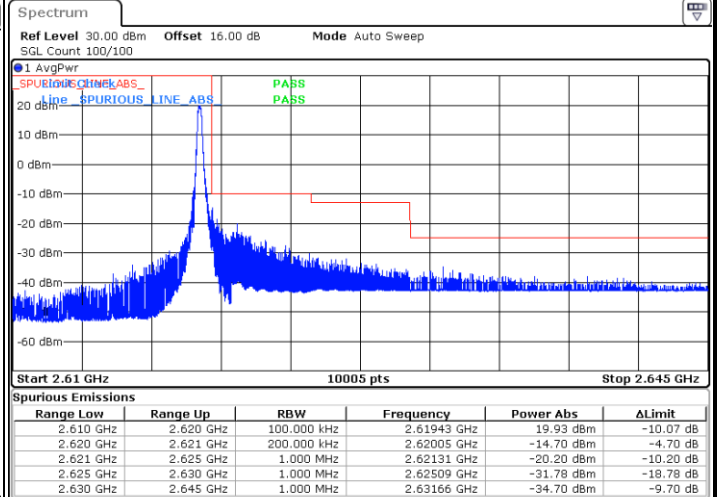


LTE Band 38 / 10MHz / 16QAM

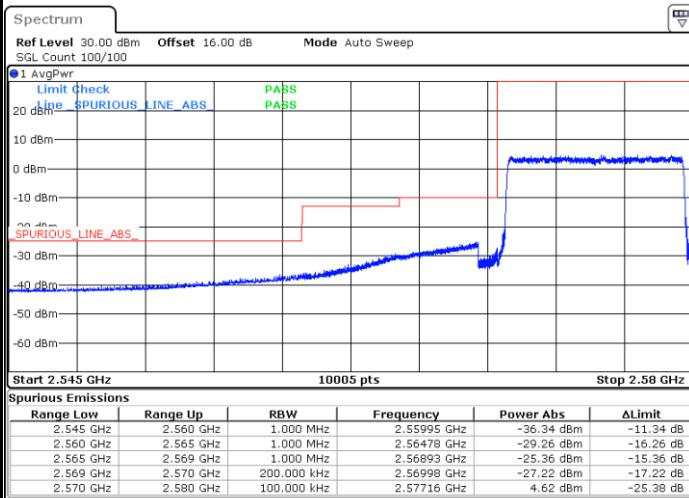
Lowest Band Edge / 1 RB



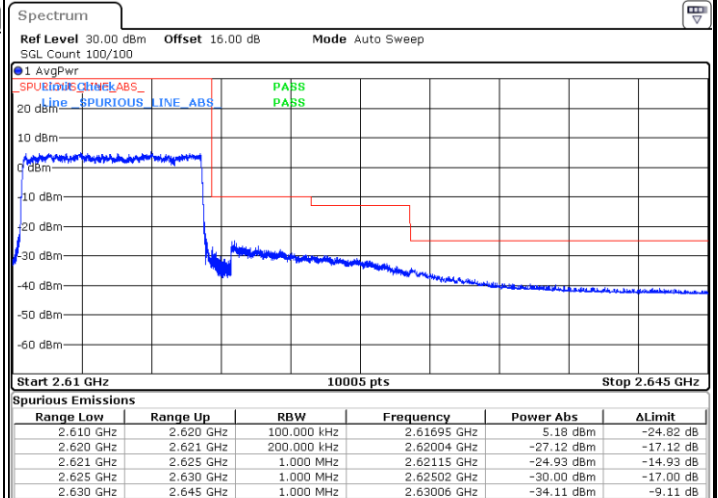
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



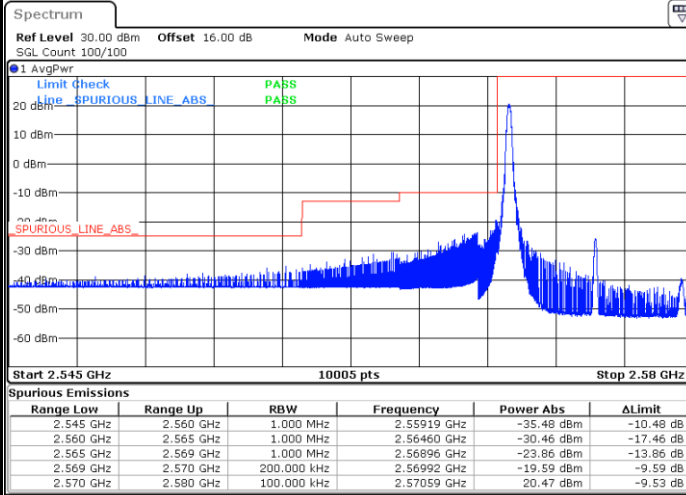
Highest Band Edge / Full RB



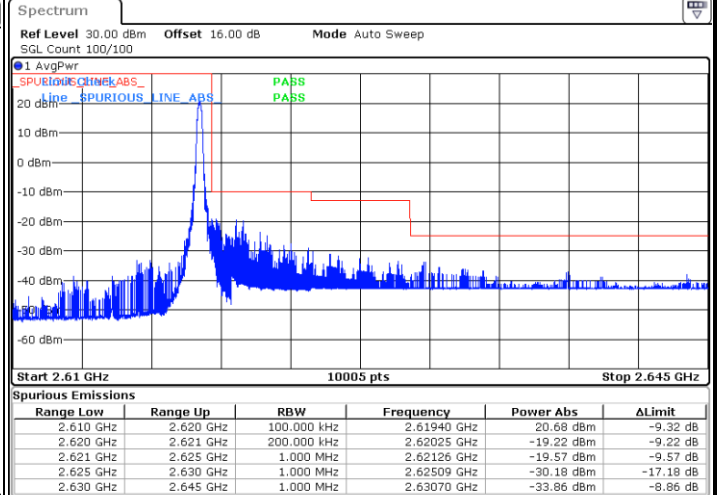


LTE Band 38 / 10MHz / 64QAM

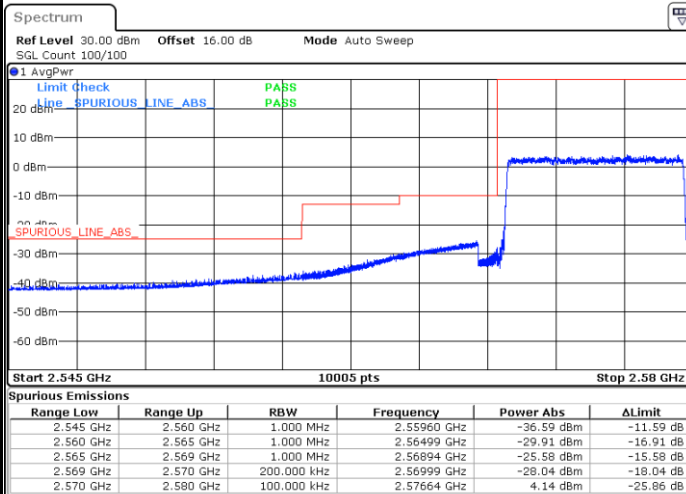
Lowest Band Edge / 1 RB



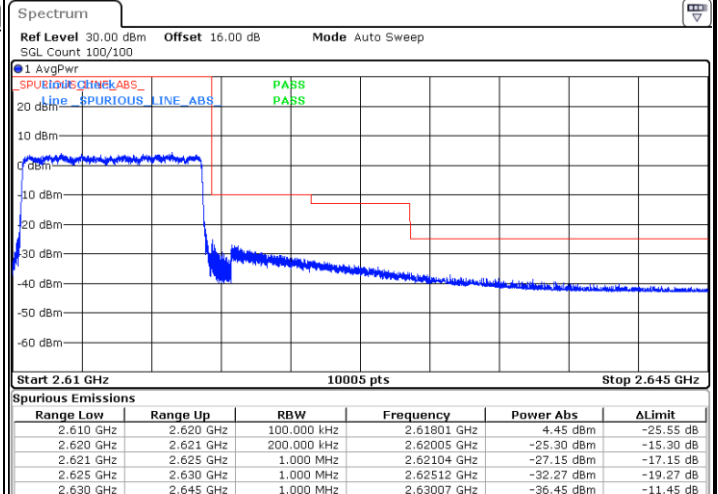
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



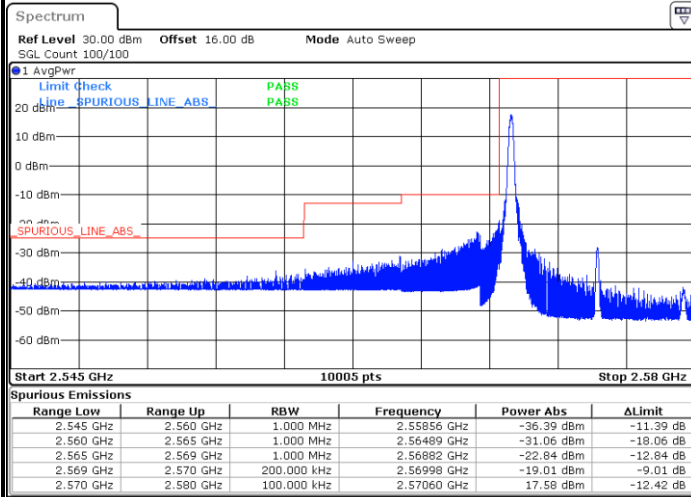
Highest Band Edge / Full RB



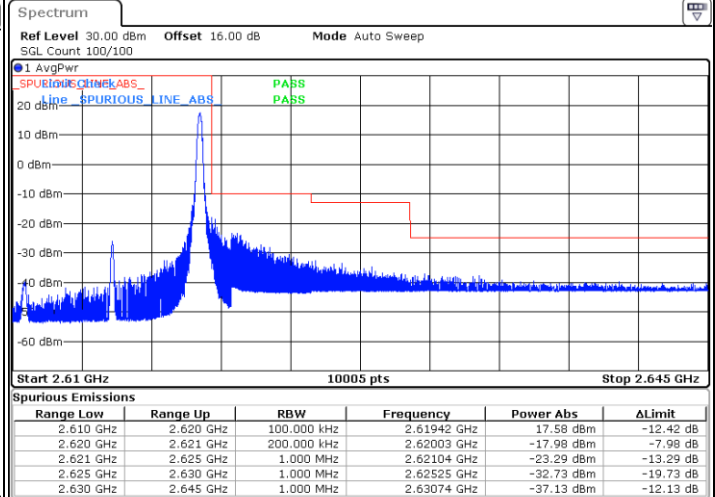


LTE Band 38 / 10MHz / 256QAM

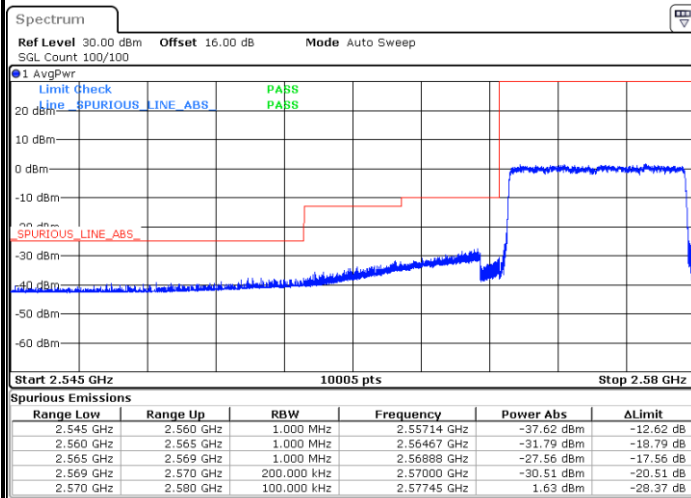
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

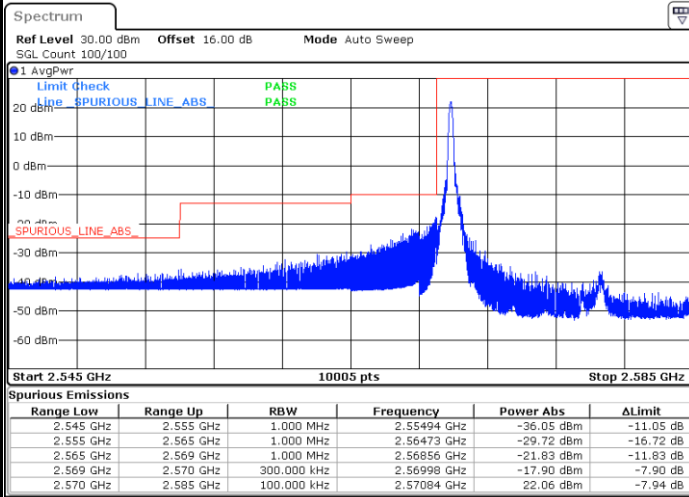


Highest Band Edge / Full RB

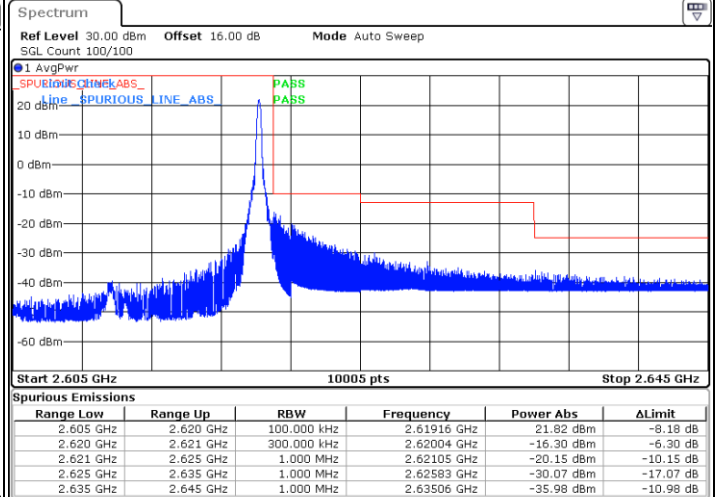


LTE Band 38 / 15MHz / QPSK

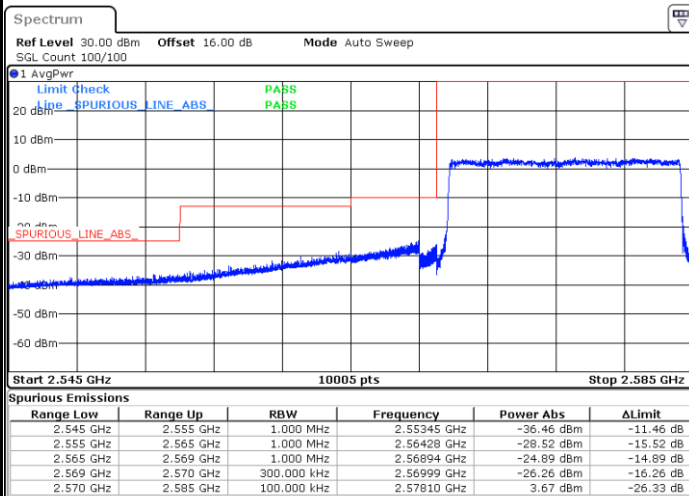
Lowest Band Edge / 1 RB



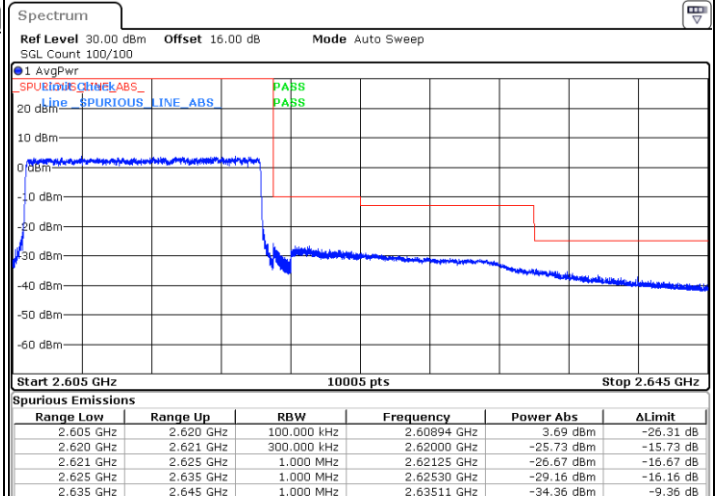
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



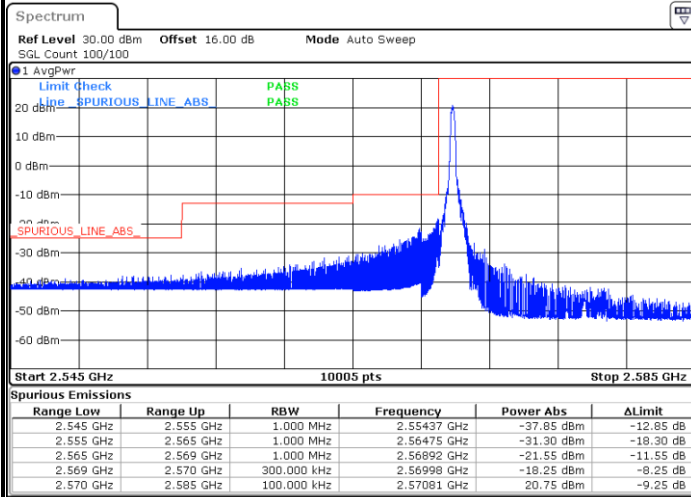
Highest Band Edge / Full RB



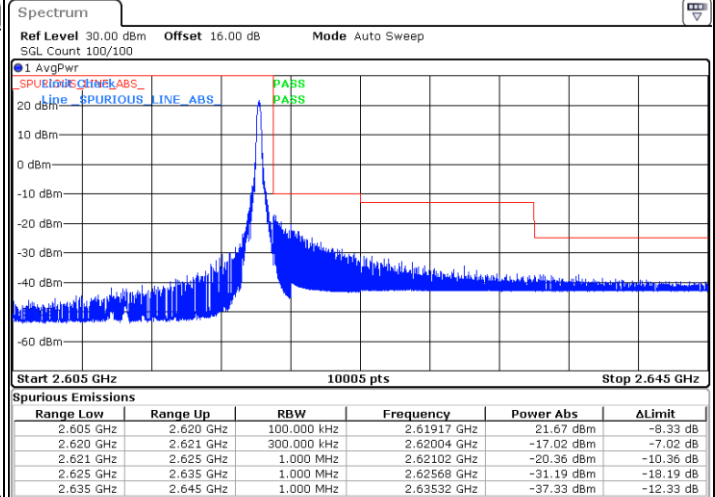


LTE Band 38 / 15MHz / 16QAM

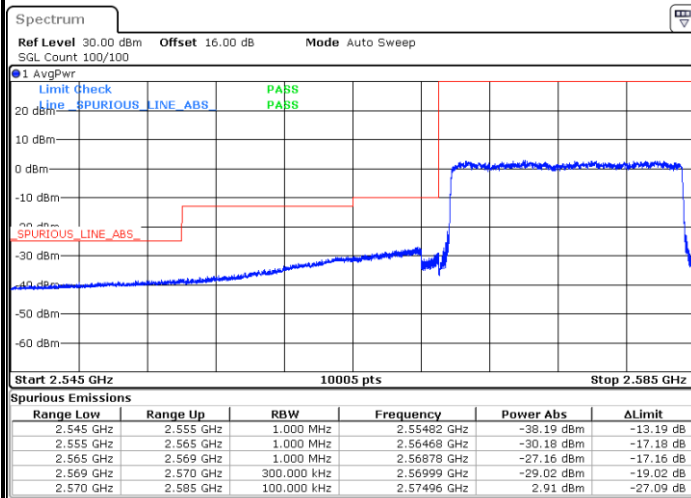
Lowest Band Edge / 1 RB



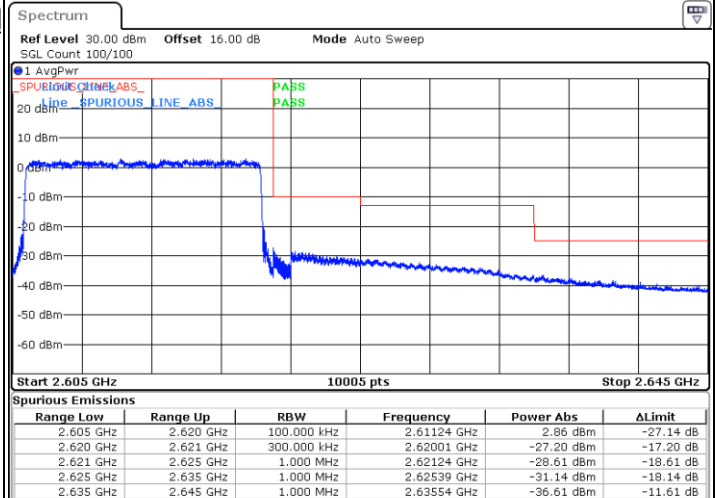
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



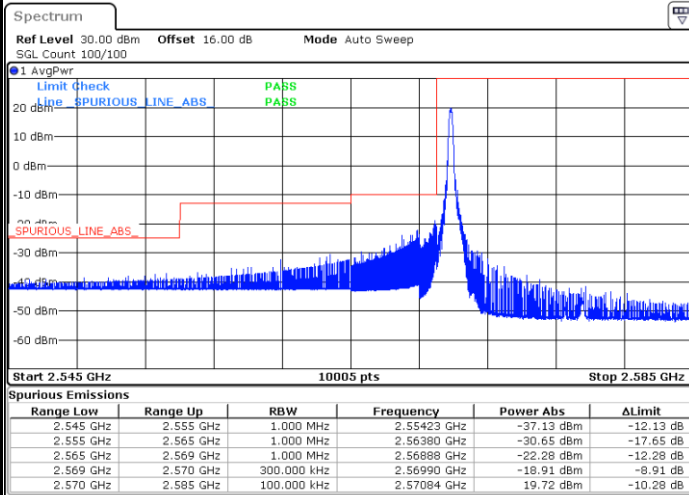
Highest Band Edge / Full RB



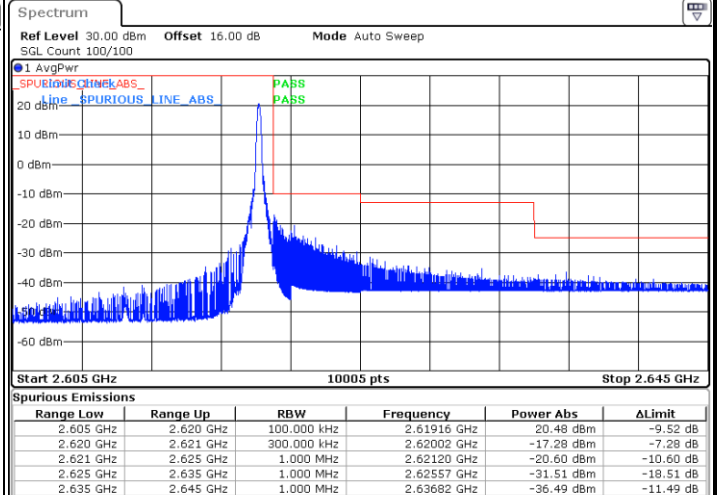


LTE Band 38 / 15MHz / 64QAM

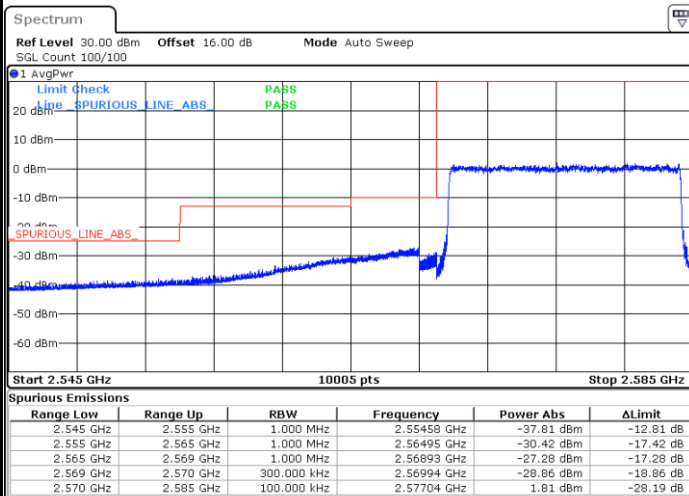
Lowest Band Edge / 1 RB



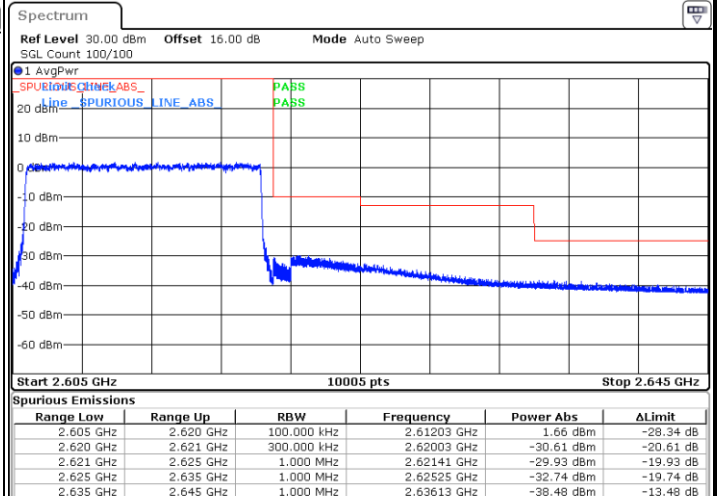
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



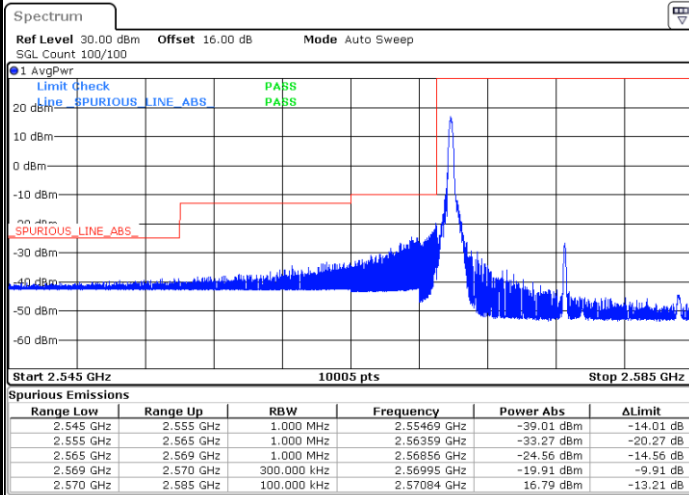
Highest Band Edge / Full RB



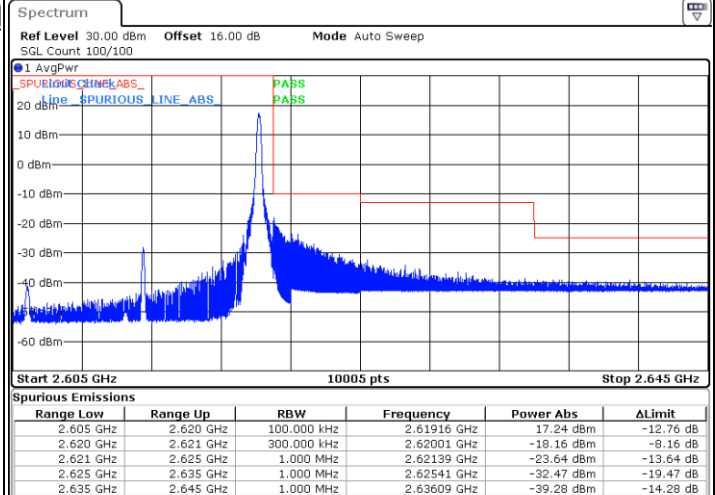


LTE Band 38 / 15MHz / 256QAM

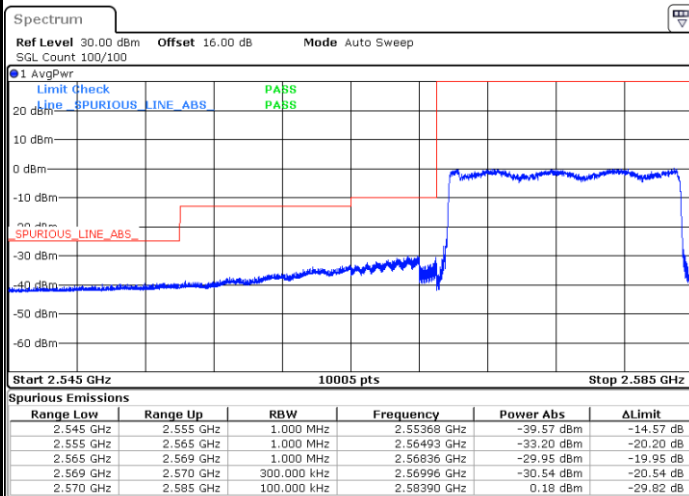
Lowest Band Edge / 1 RB



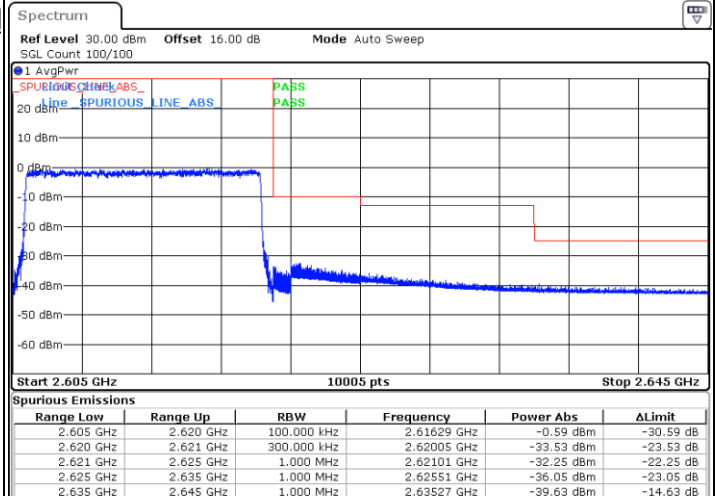
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



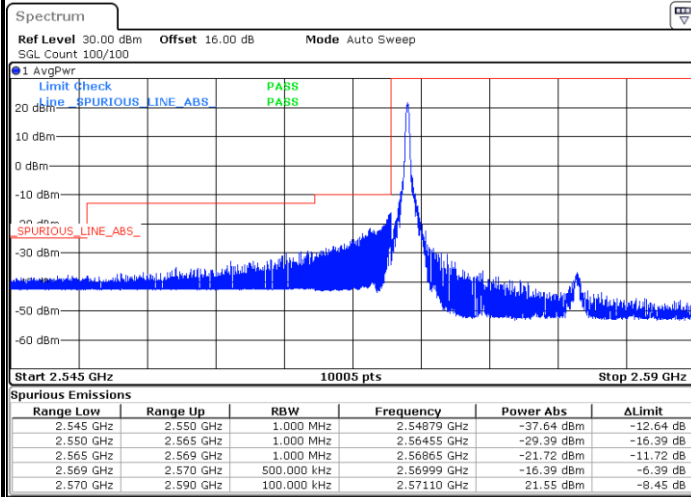
Highest Band Edge / Full RB



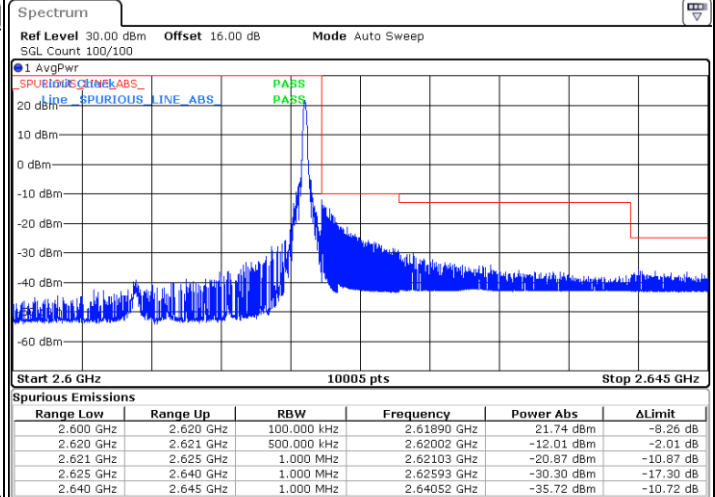


LTE Band 38 / 20MHz / QPSK

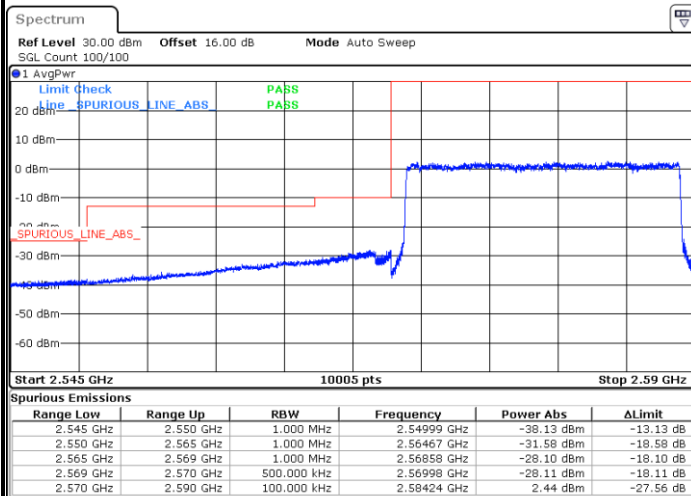
Lowest Band Edge / 1 RB



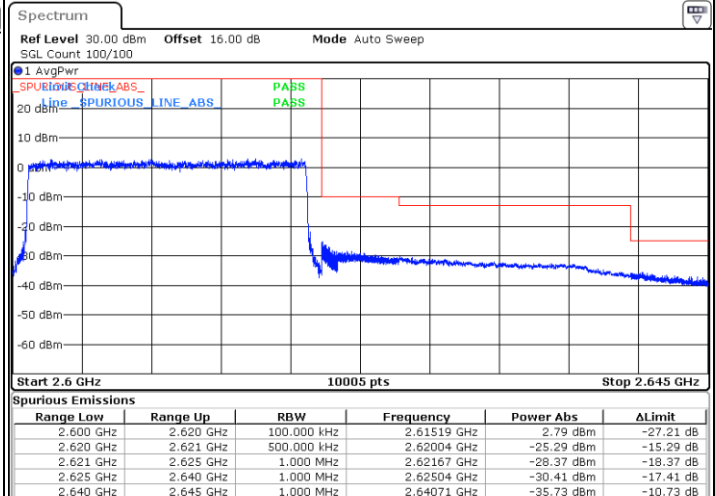
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



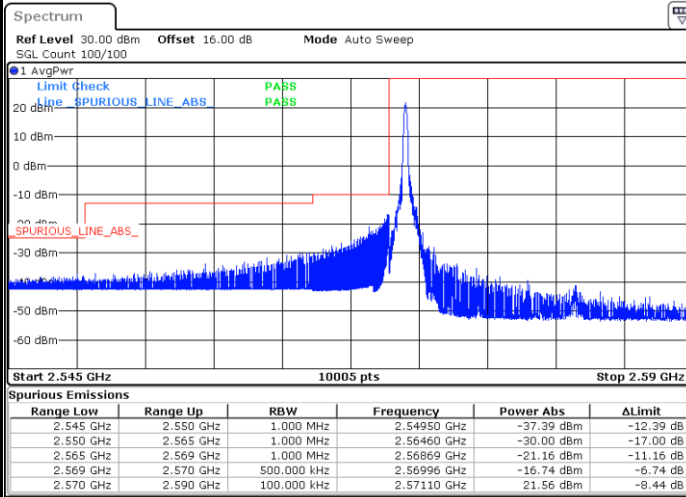
Highest Band Edge / Full RB



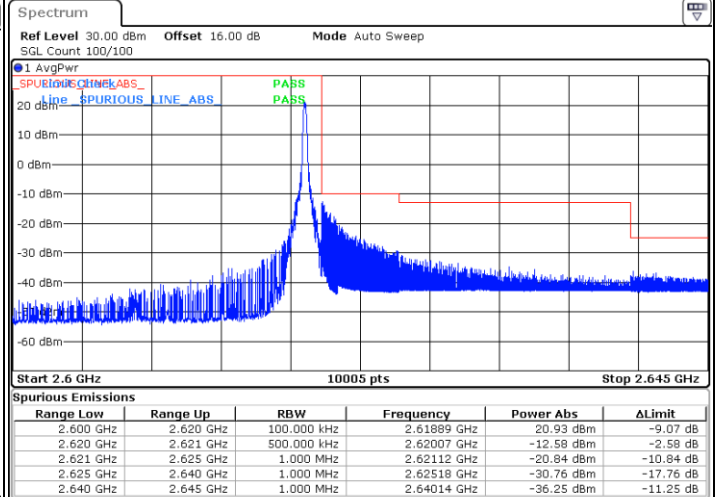


LTE Band 38 / 20MHz / 16QAM

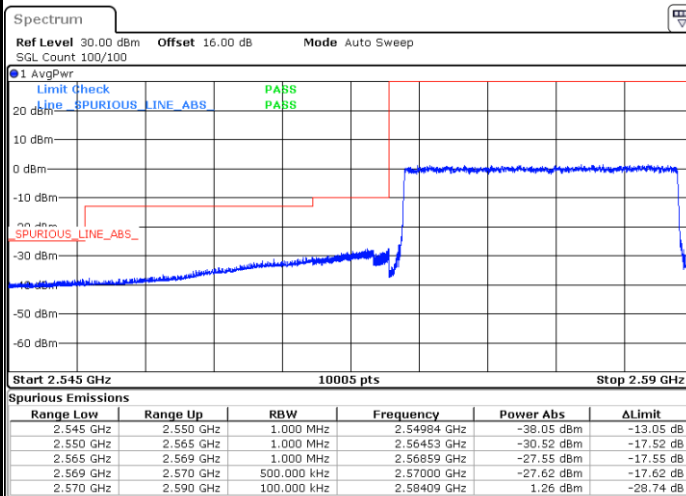
Lowest Band Edge / 1 RB



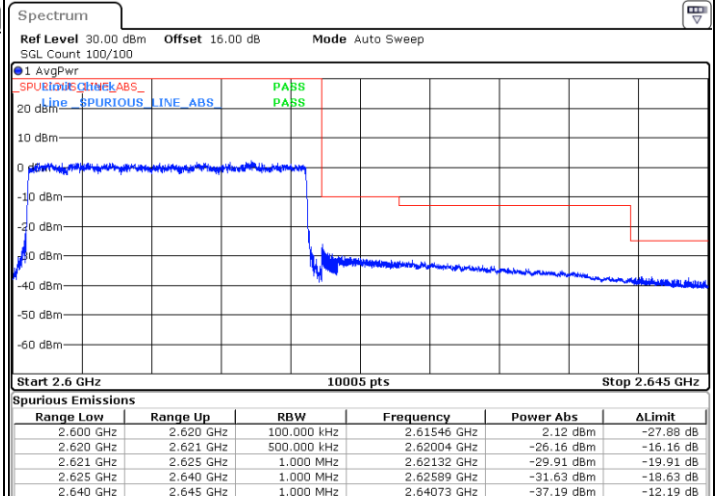
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



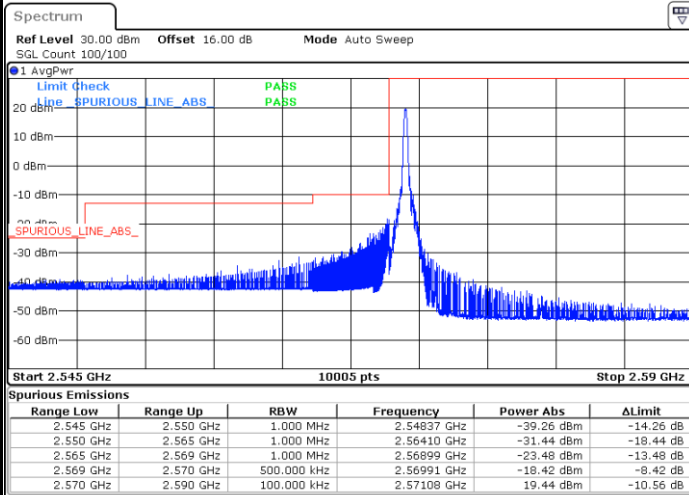
Highest Band Edge / Full RB



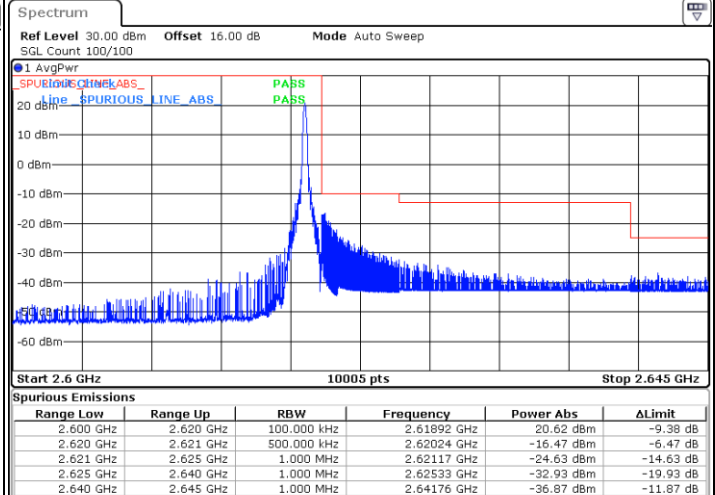


LTE Band 38 / 20MHz / 64QAM

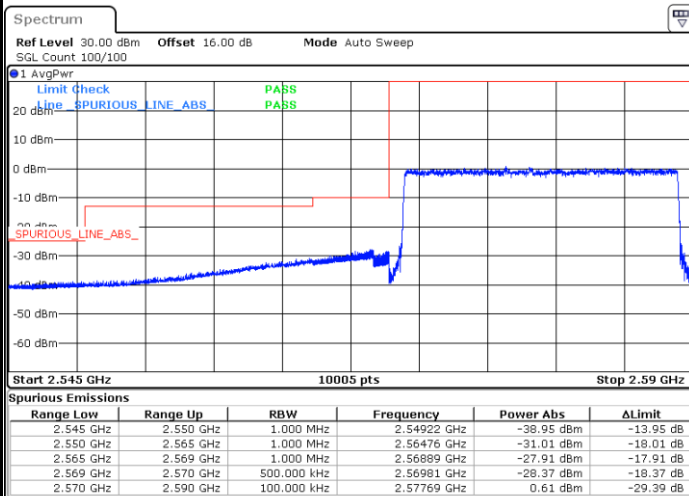
Lowest Band Edge / 1 RB



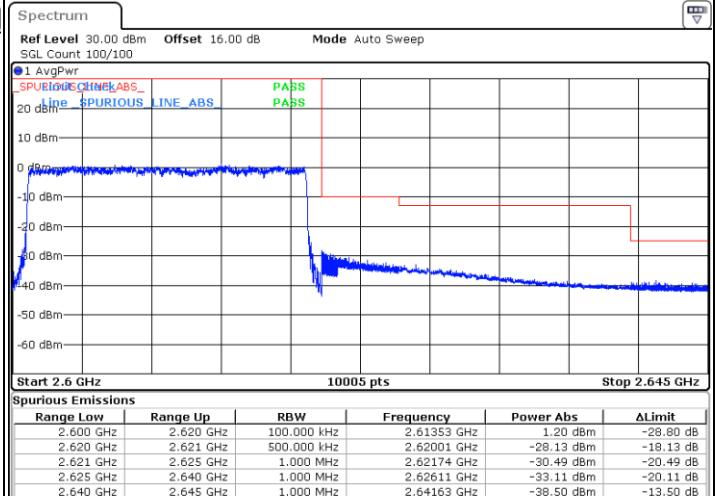
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



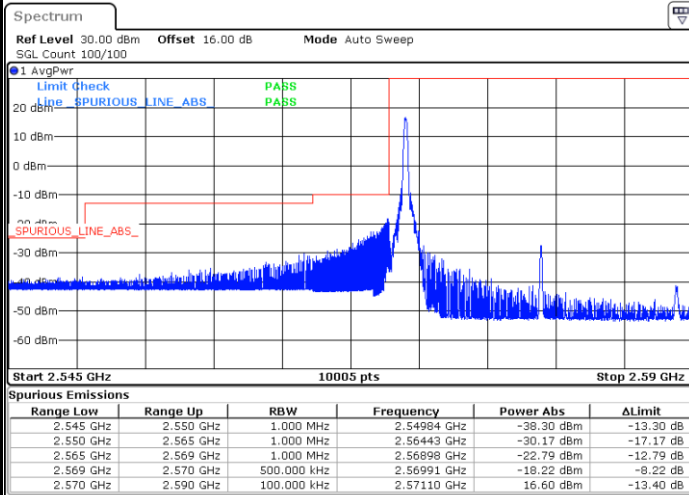
Highest Band Edge / Full RB



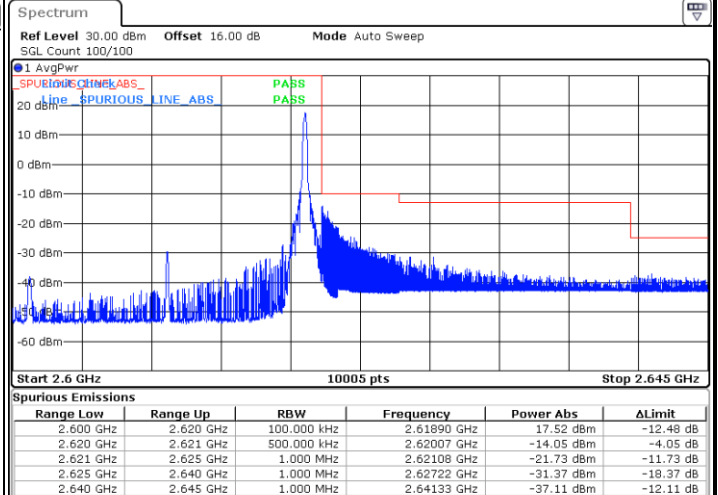


LTE Band 38 / 20MHz / 256QAM

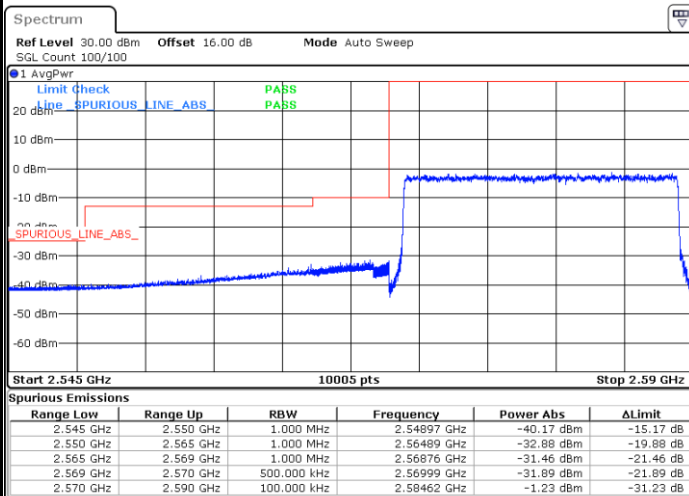
Lowest Band Edge / 1 RB



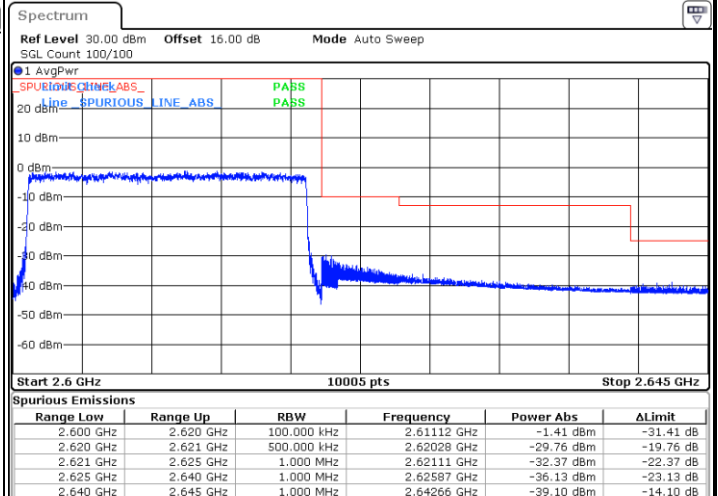
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

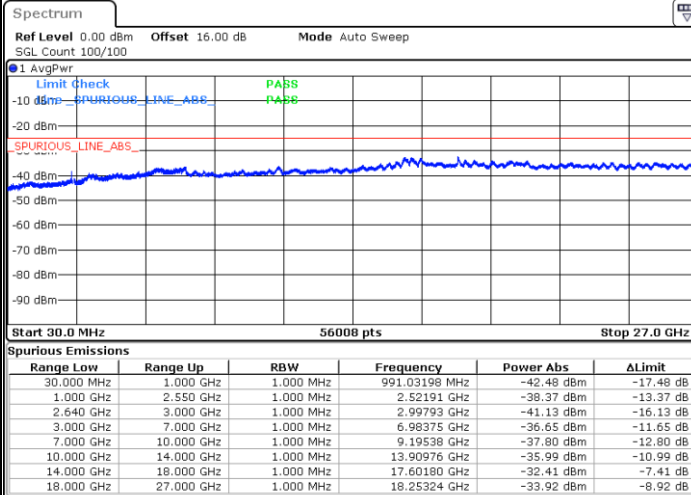




Conducted Spurious Emission

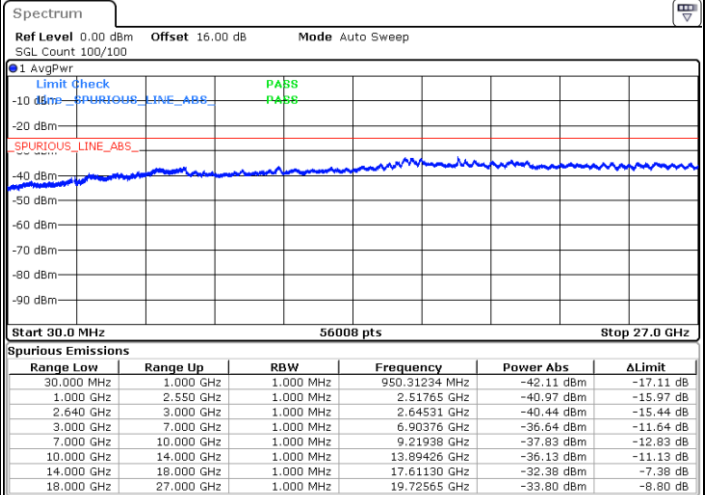
LTE Band 38 / 5MHz

Lowest Channel / QPSK



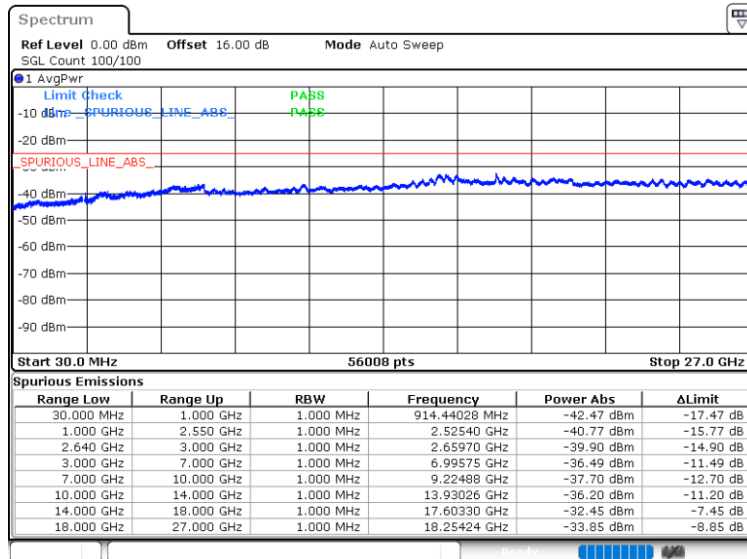
Date: 16.SEP.2022 23:44:45

Middle Channel / QPSK



Date: 16.SEP.2022 23:45:54

Highest Channel / QPSK

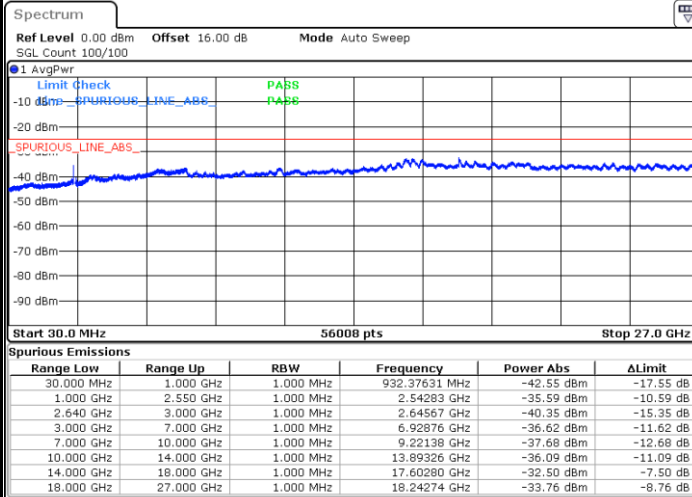


Date: 16.SEP.2022 23:47:03



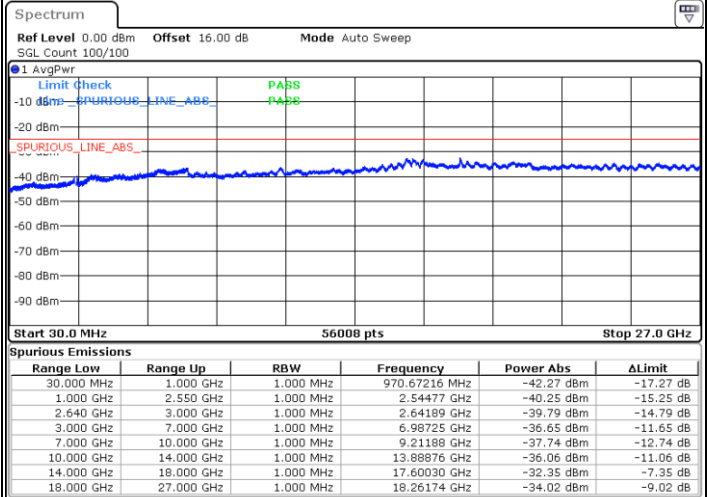
LTE Band 38 / 10MHz

Lowest Channel / QPSK



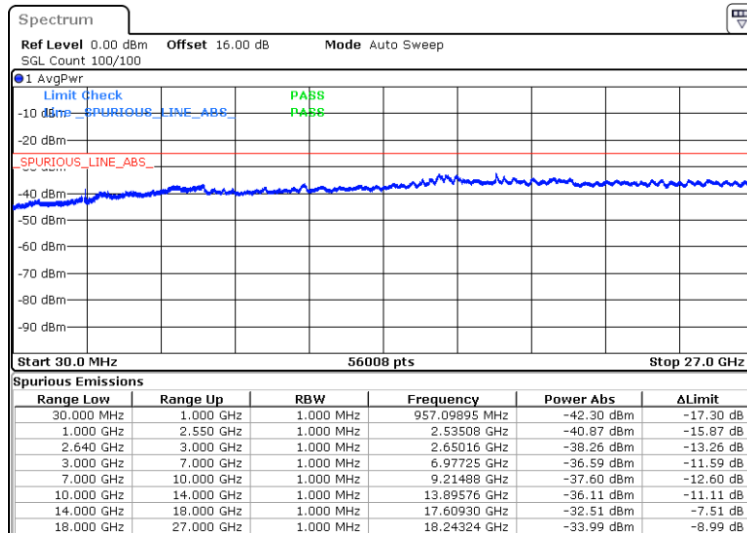
Date: 16.SEP.2022 23:48:18

Middle Channel / QPSK



Date: 16.SEP.2022 23:49:27

Highest Channel / QPSK

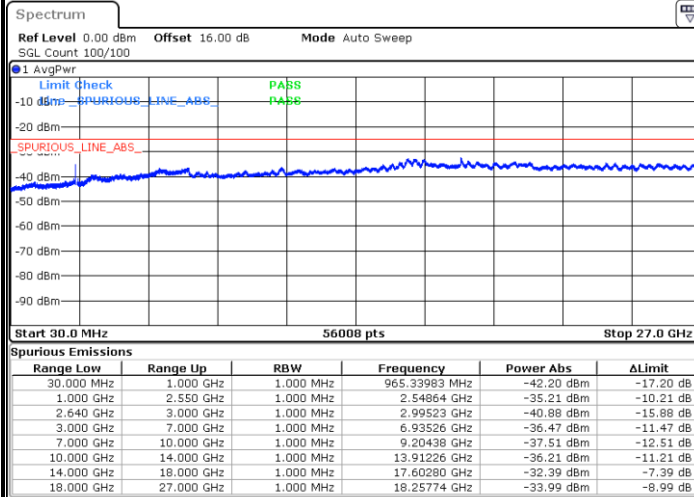


Date: 16.SEP.2022 23:50:35



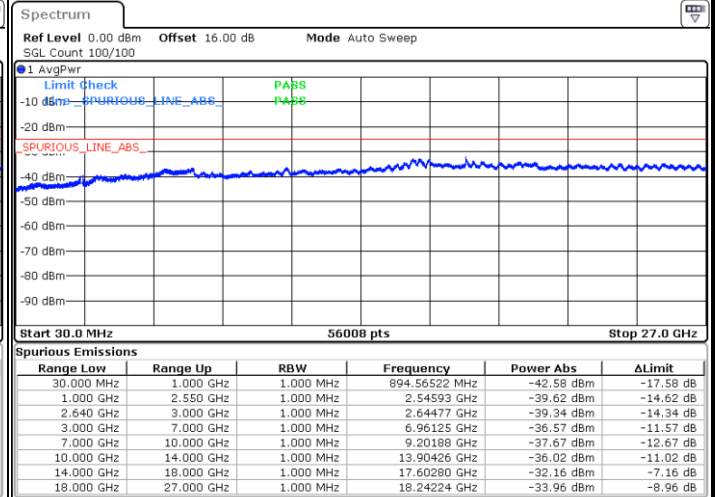
LTE Band 38 / 15MHz

Lowest Channel / QPSK



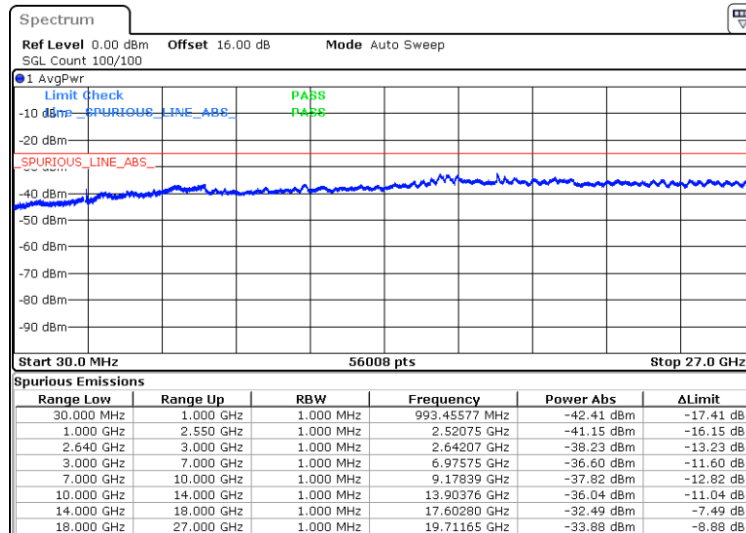
Date: 16.SEP.2022 23:51:50

Middle Channel / QPSK



Date: 16.SEP.2022 23:52:59

Highest Channel / QPSK

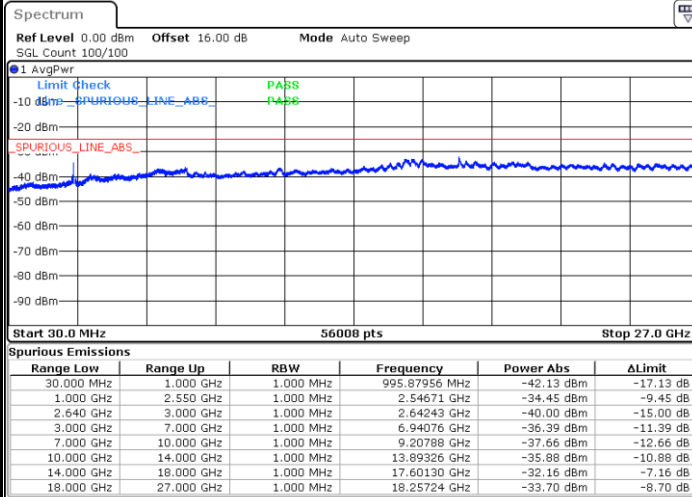


Date: 16.SEP.2022 23:54:07



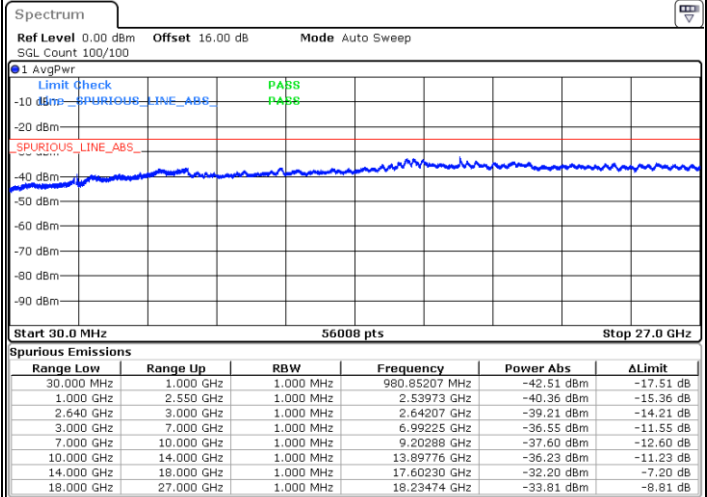
LTE Band 38 / 20MHz

Lowest Channel / QPSK



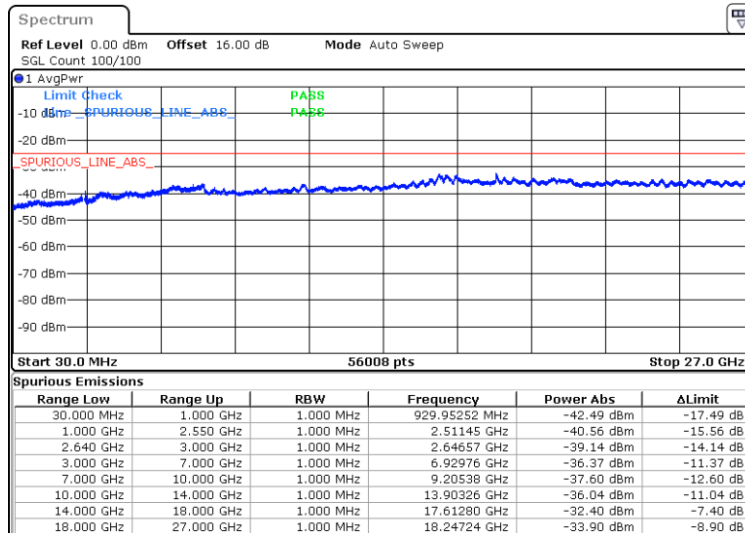
Date: 16.SEP.2022 23:55:22

Middle Channel / QPSK



Date: 16.SEP.2022 23:56:31

Highest Channel / QPSK



Date: 16.SEP.2022 23:57:40

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	0.0044	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

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 38C

26dB Bandwidth

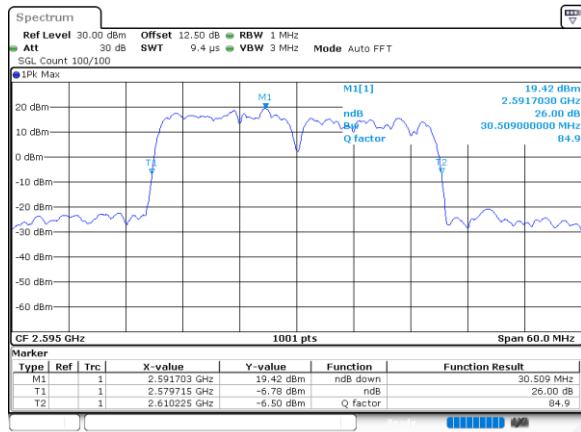
Mode	LTE Band 38C : 26dB BW(MHz)			
	QPSK	16QAM	64QAM	256QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Middle CH	30.51	20.45	30.69	30.33
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Middle CH	39.8	39.81	39.8	39.88



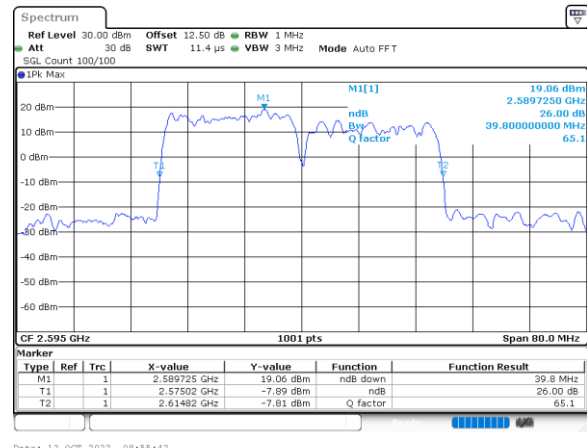
LTE Band 38C

QPSK

Middle Channel / 15MHz+15MHz

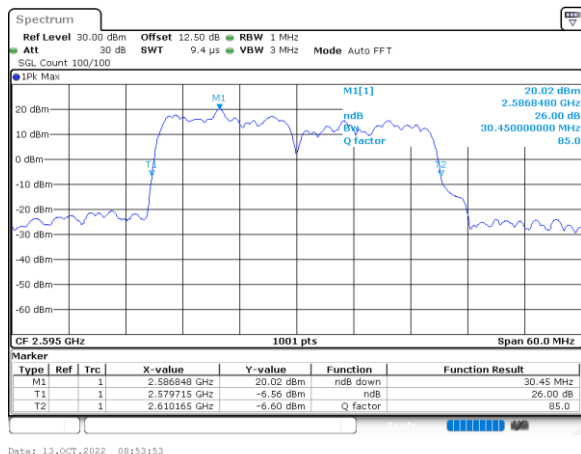


Middle Channel / 20MHz+20MHz

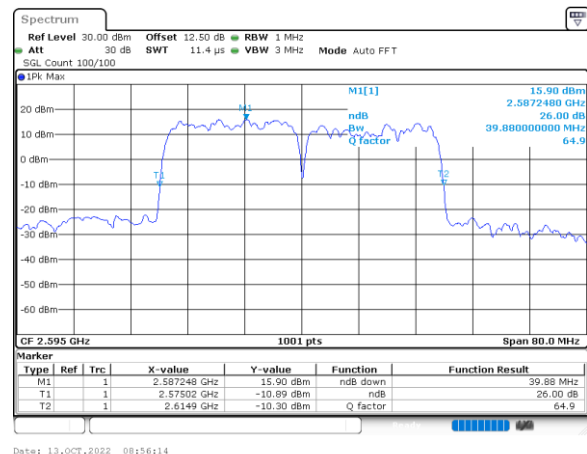


16QAM

Middle Channel / 15MHz+15MHz



Middle Channel / 20MHz+20MHz

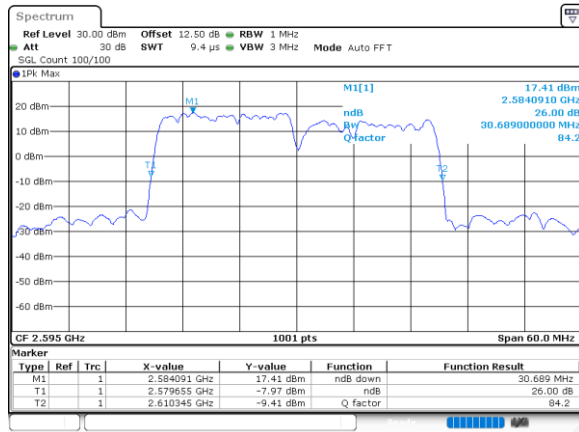




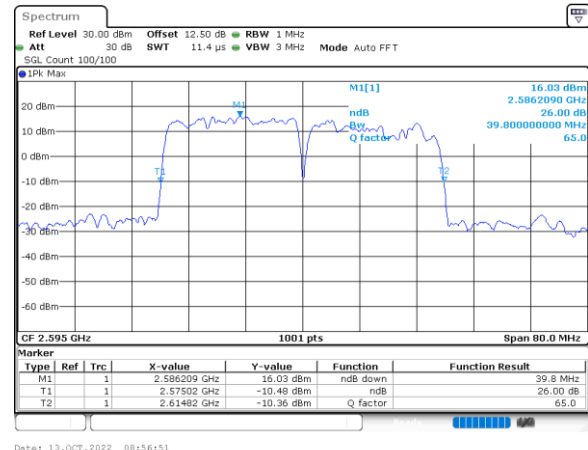
LTE Band 38C

64QAM

Middle Channel / 15MHz+15MHz

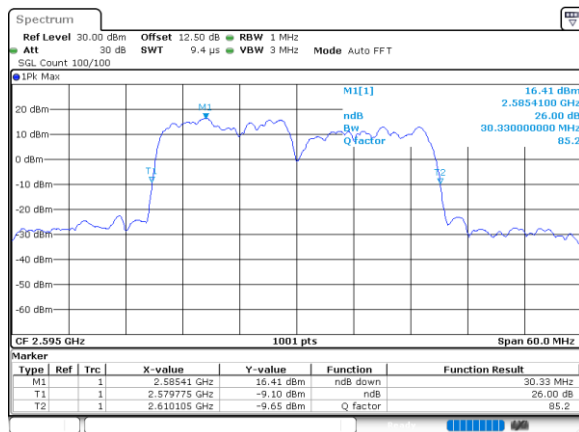


Middle Channel / 20MHz+20MHz

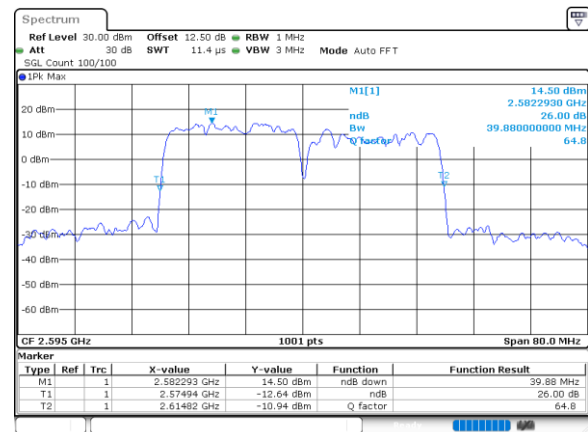


256QAM

Middle Channel / 15MHz+15MHz



Middle Channel / 20MHz+20MHz



**Occupied Bandwidth**

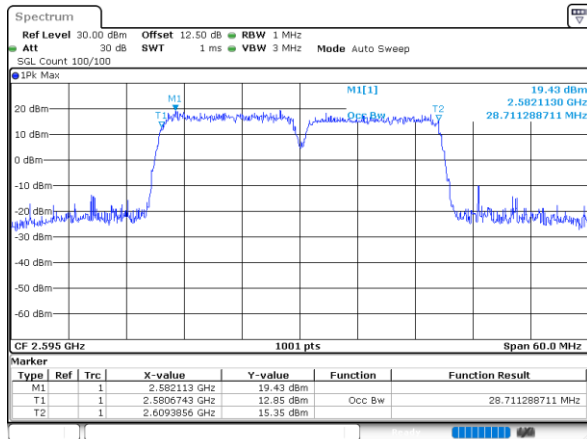
Mode	LTE Band 38C : 99%OBW(MHz)			
	QPSK	16QAM	64QAM	256QAM
BW	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz	15MHz+15MHz
Middle CH	28.71	28.65	28.59	28.65
BW	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz	20MHz+20MHz
Middle CH	37.64	37.56	37.72	37.72



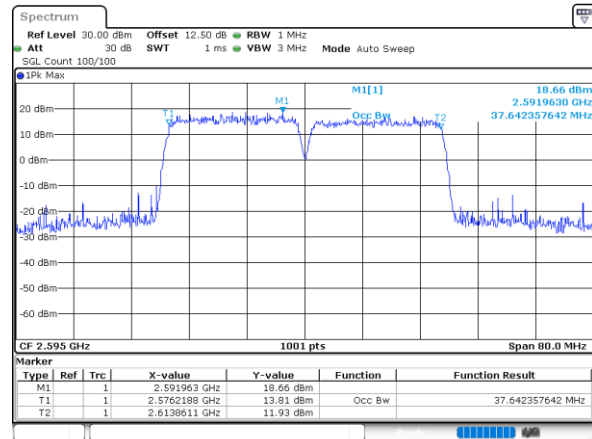
LTE Band 38C

QPSK

Middle Channel / 15MHz+15MHz

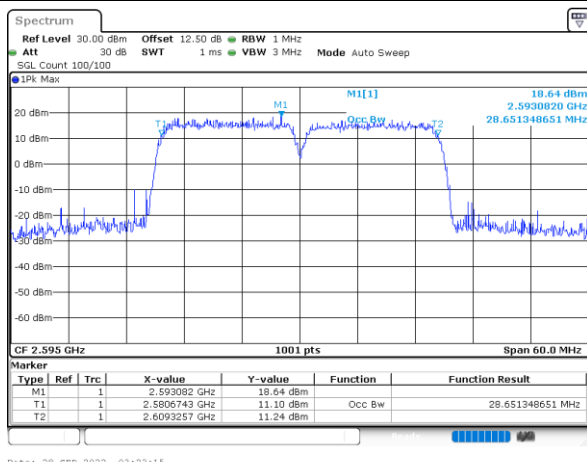


Middle Channel / 20MHz+20MHz

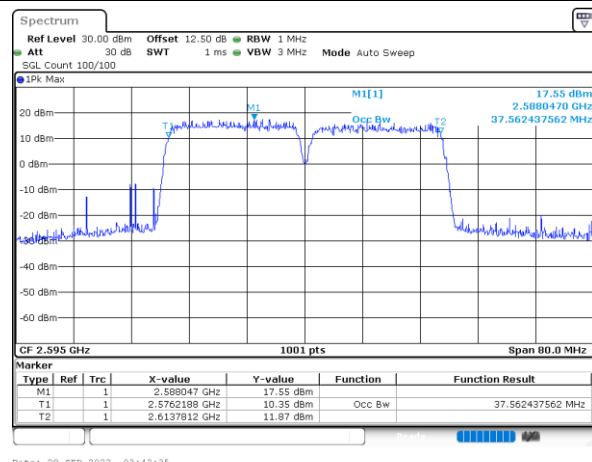


16QAM

Middle Channel / 15MHz+15MHz



Middle Channel / 20MHz+20MHz

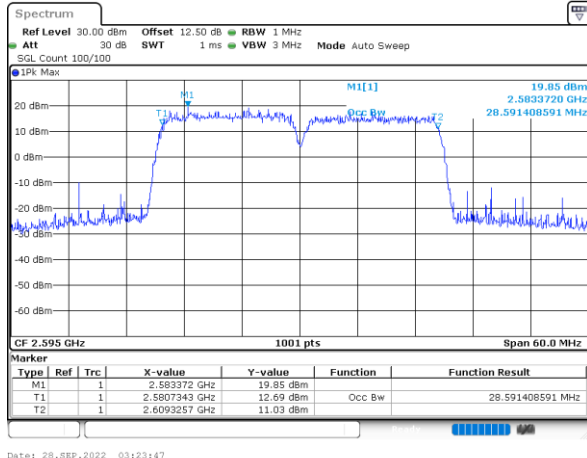




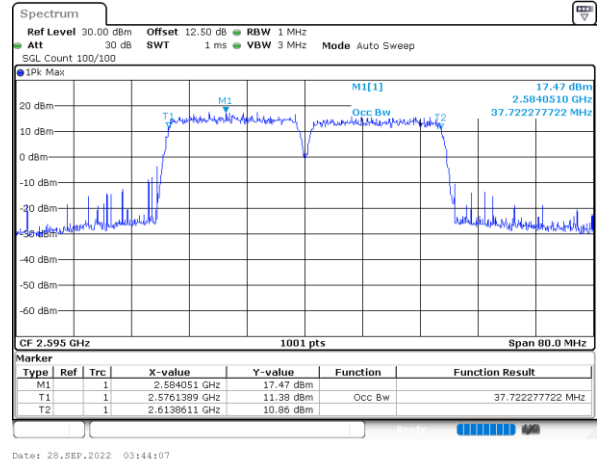
LTE Band 38C

64QAM

Middle Channel / 15MHz+15MHz

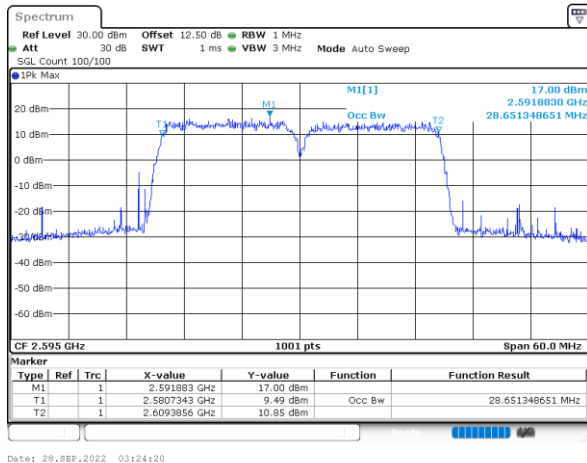


Middle Channel / 20MHz+20MHz

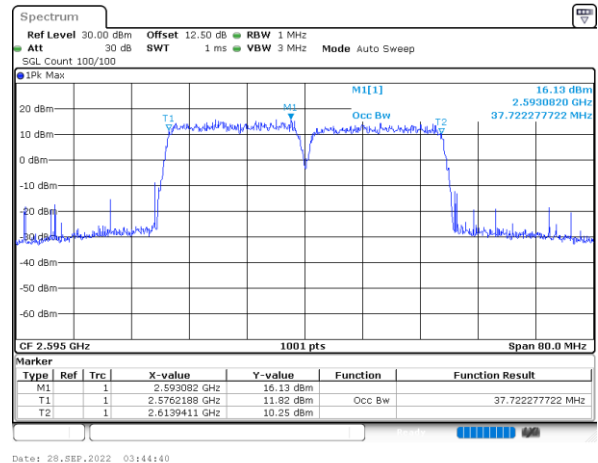


256QAM

Middle Channel / 15MHz+15MHz



Middle Channel / 20MHz+20MHz



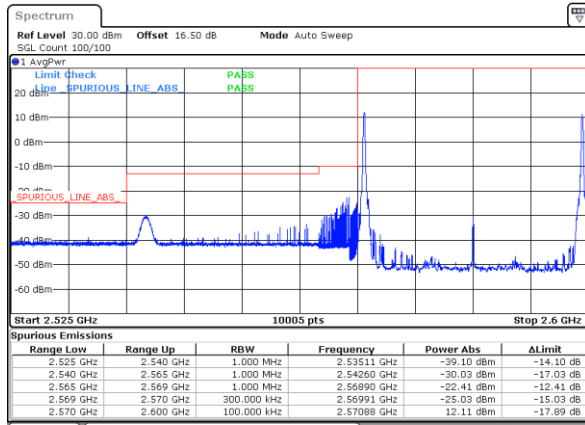


Conducted Band Edge

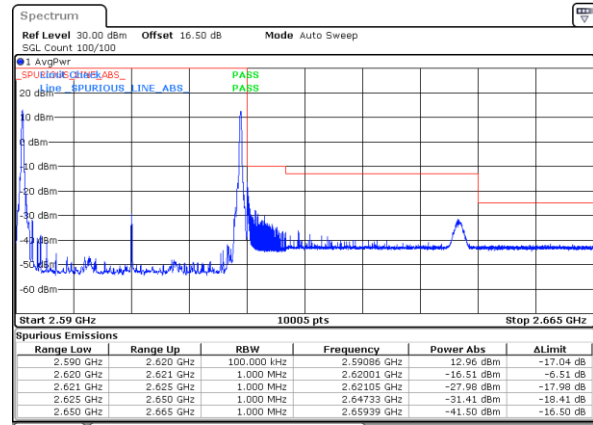
LTE Band 38C / 15MHz+15MHz

QPSK

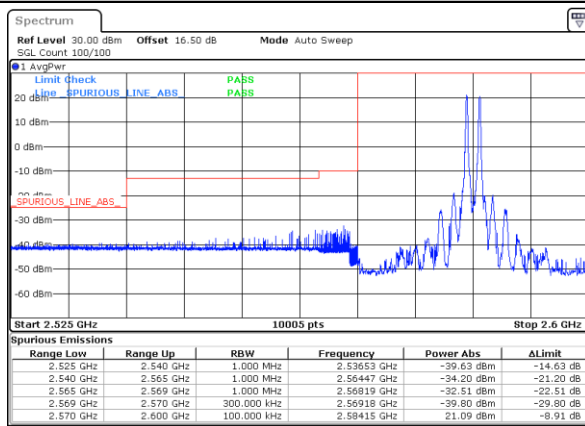
Lowest Band Edge / 1RB0 and 1RB74



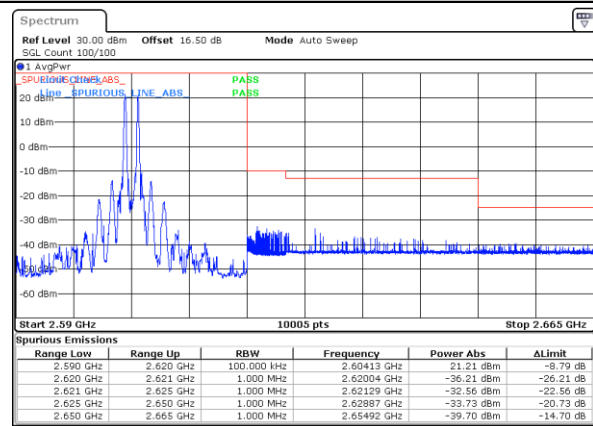
Highest Band Edge / 1RB0 and 1RB74



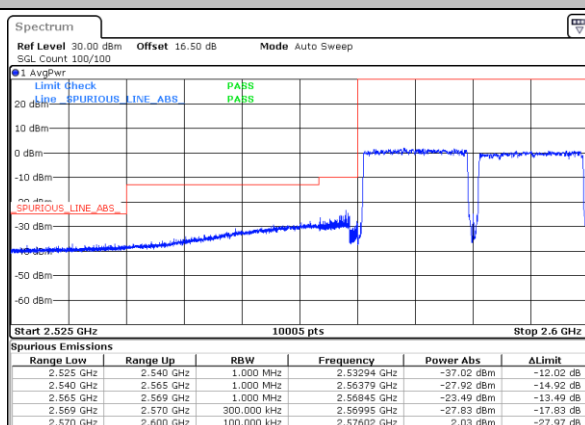
Lowest Band Edge / 1RB74 and 1RB0



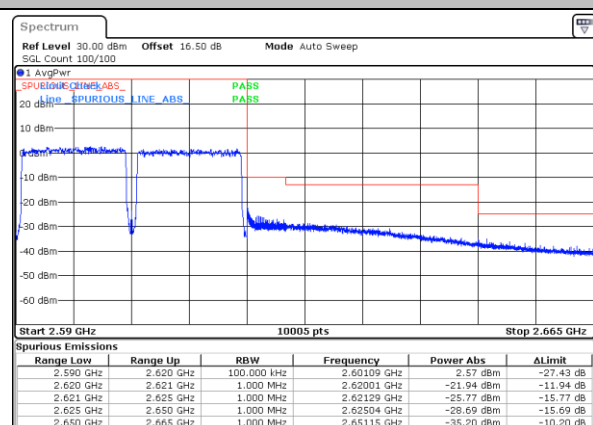
Highest Band Edge / 1RB74 and 1RB0

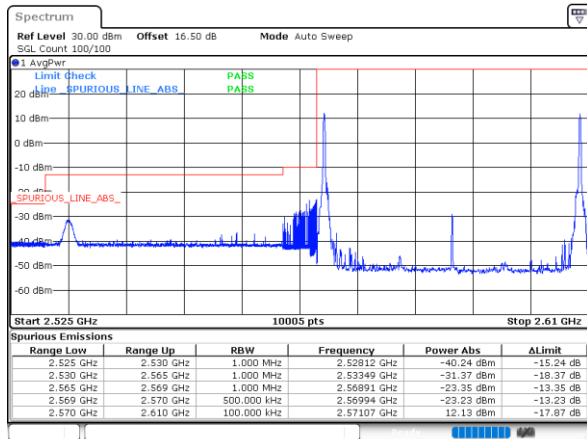
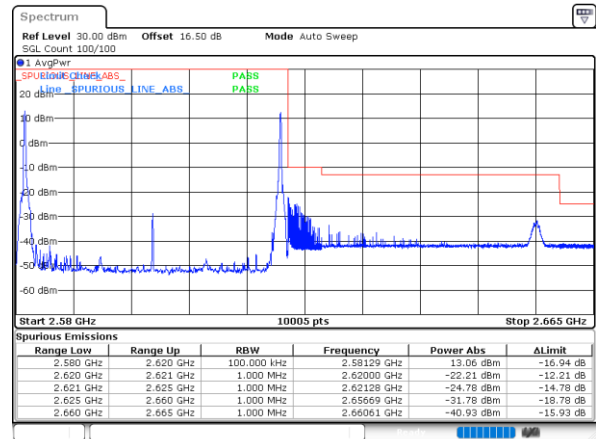
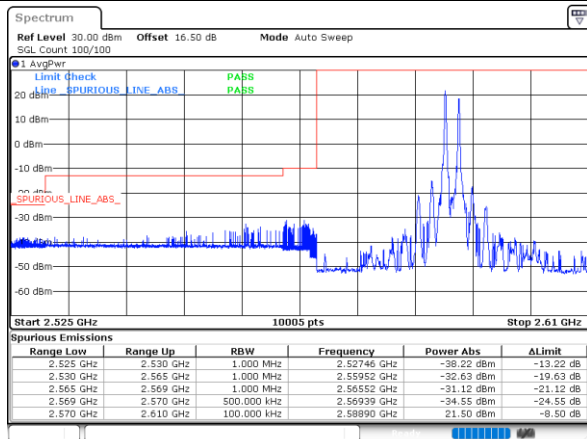
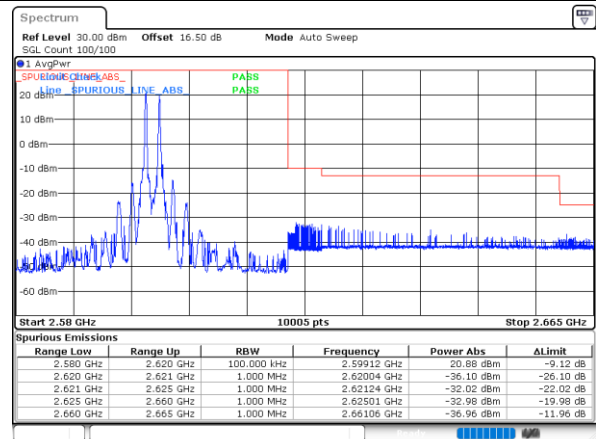
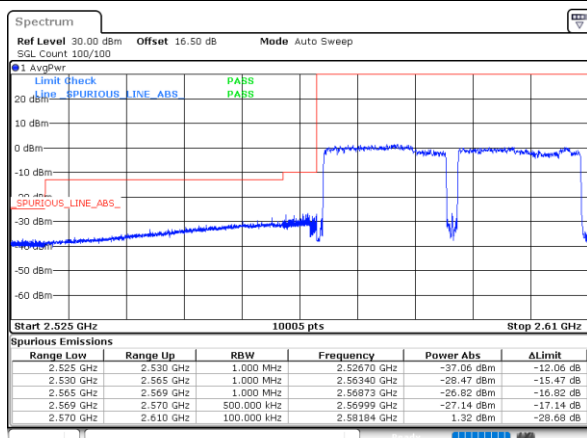
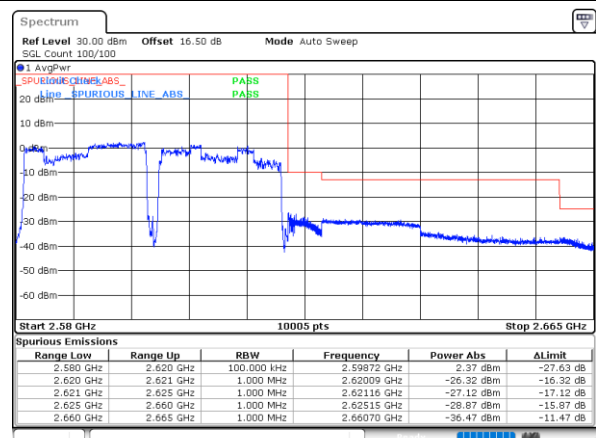


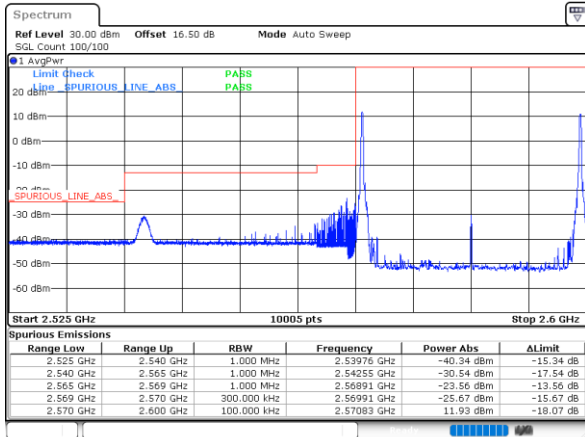
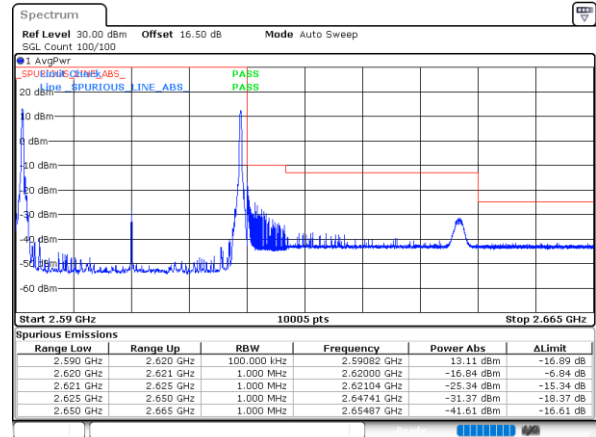
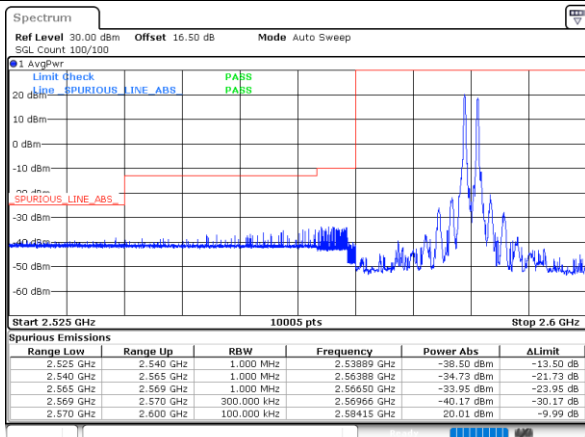
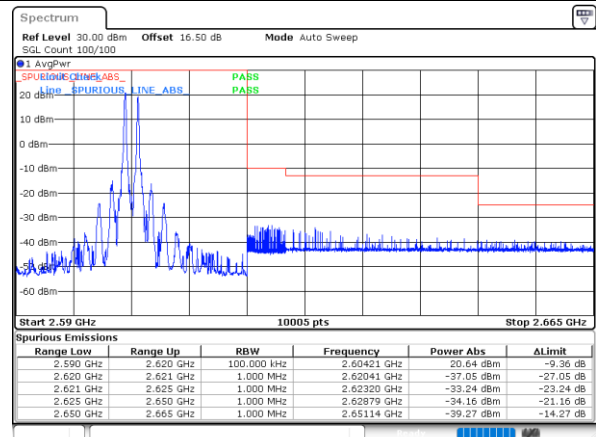
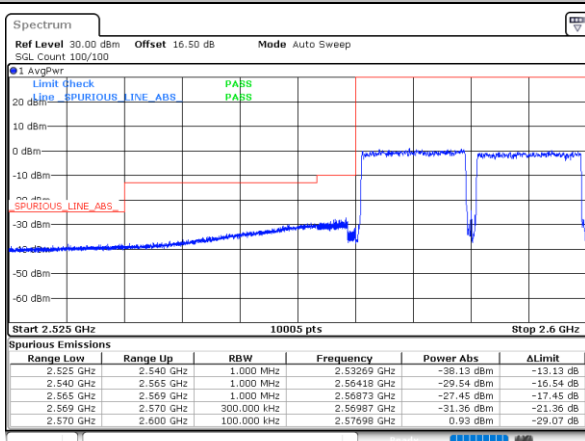
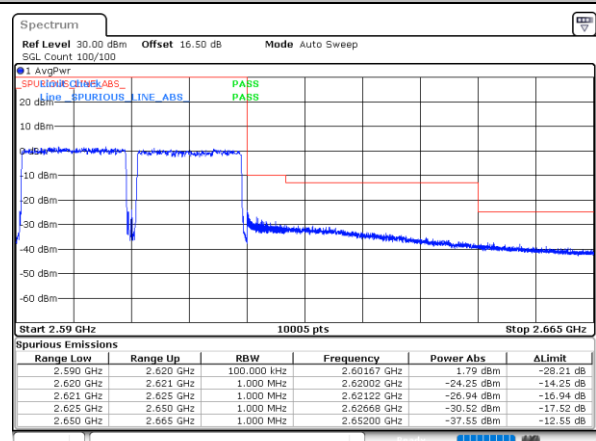
Lowest Band Edge / Full RB

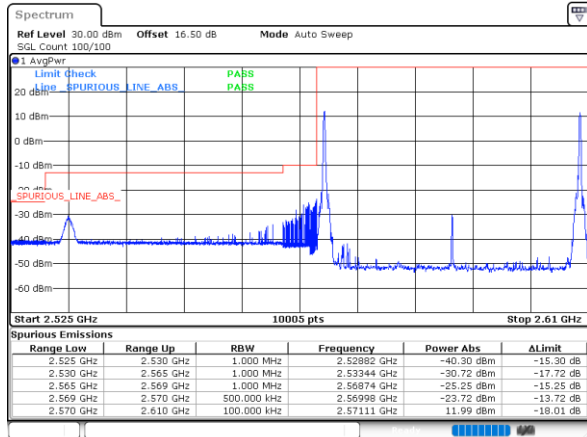
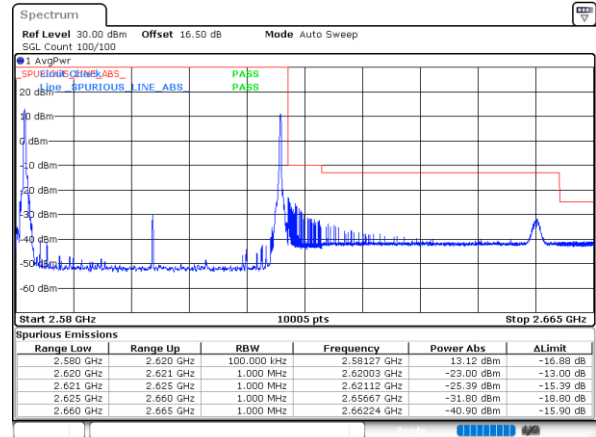
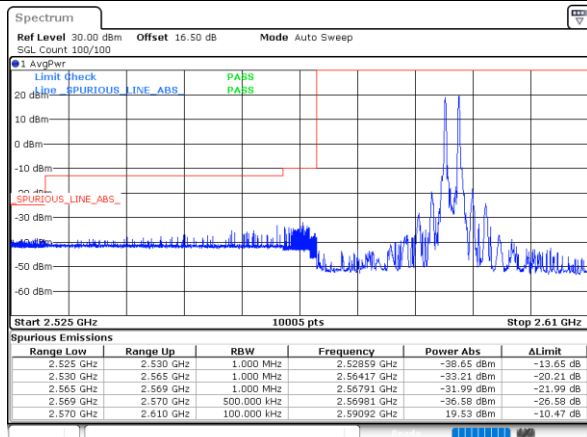
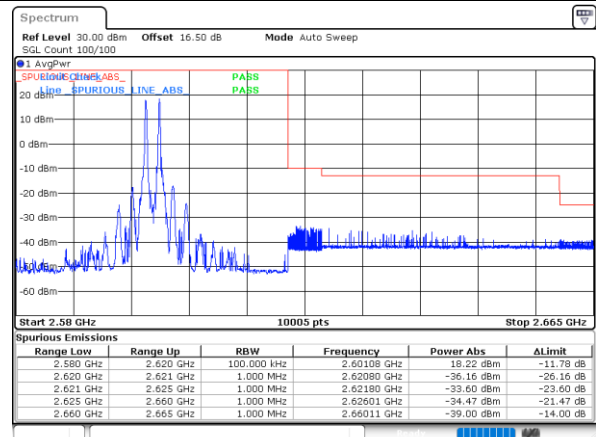
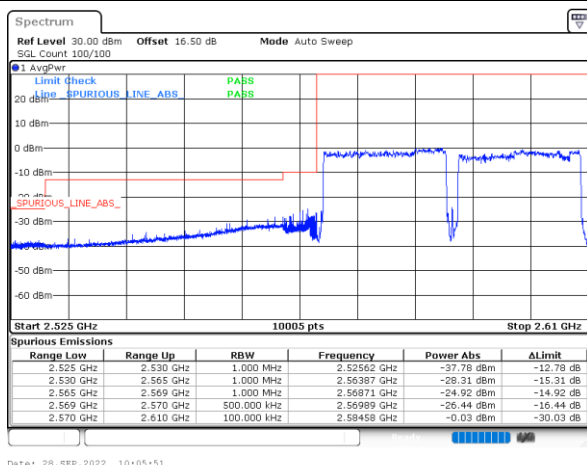
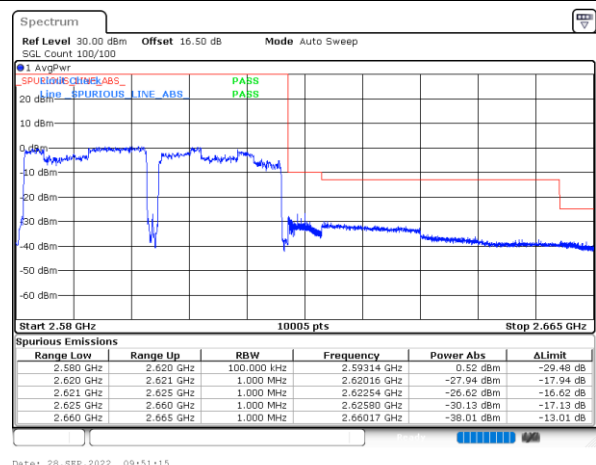


Highest Band Edge / Full RB



**LTE Band 38C / 20MHz+20MHz****QPSK****Lowest Band Edge / 1RB0 and 1RB99****Highest Band Edge / 1RB0 and 1RB99****Lowest Band Edge / 1RB99 and 1RB0****Highest Band Edge / 1RB99 and 1RB0****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

**LTE Band 38C / 15MHz+15MHz****16QAM****Lowest Band Edge / 1RB0 and 1RB74****Highest Band Edge / 1RB0 and 1RB74****Lowest Band Edge / 1RB74 and 1RB0****Highest Band Edge / 1RB74 and 1RB0****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

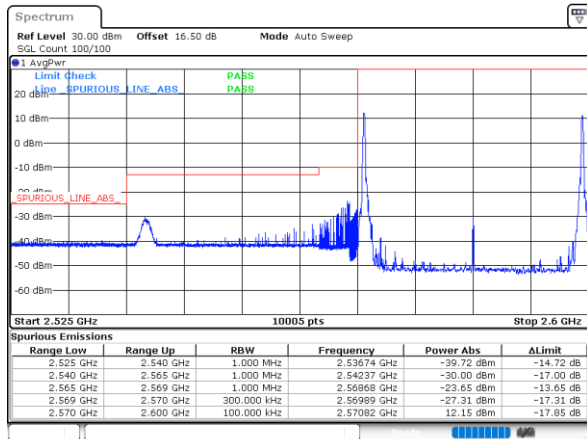
**LTE Band 38C / 20MHz+20MHz****16QAM****Lowest Band Edge / 1RB0 and 1RB99****Highest Band Edge / 1RB0 and 1RB99****Lowest Band Edge / 1RB99 and 1RB0****Highest Band Edge / 1RB99 and 1RB0****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



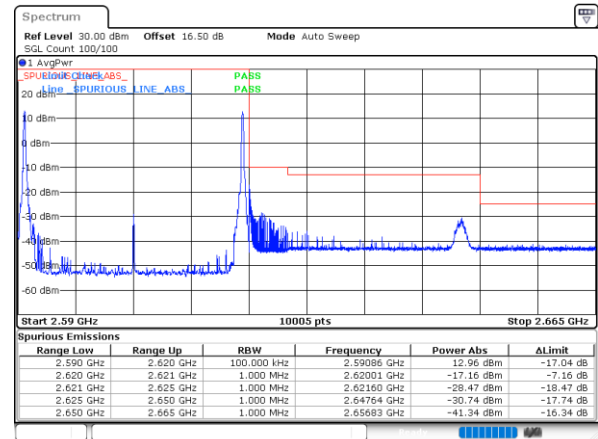
LTE Band 38C / 15MHz+15MHz

64QAM

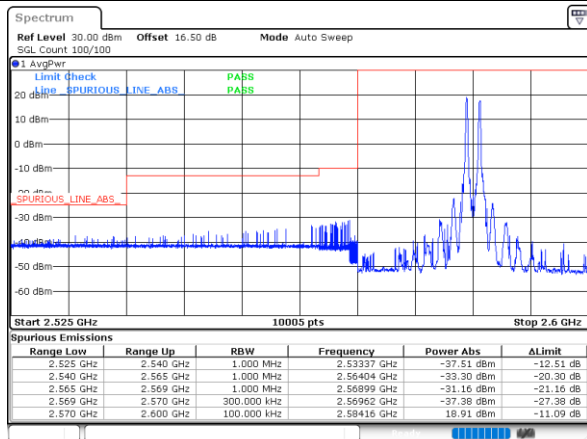
Lowest Band Edge / 1RB0 and 1RB74



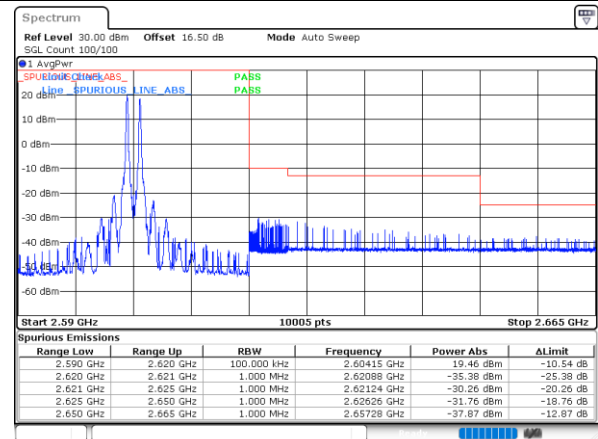
Highest Band Edge / 1RB0 and 1RB74



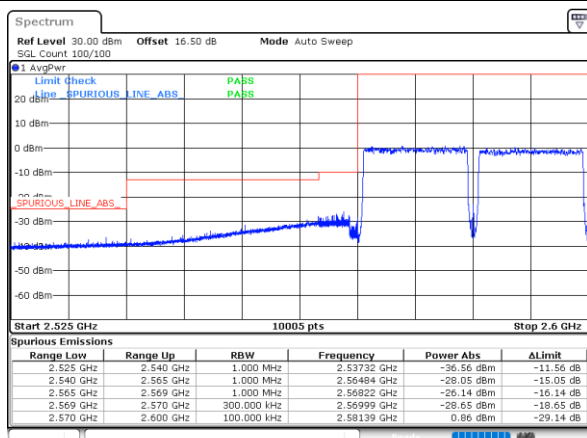
Lowest Band Edge / 1RB74 and 1RB0



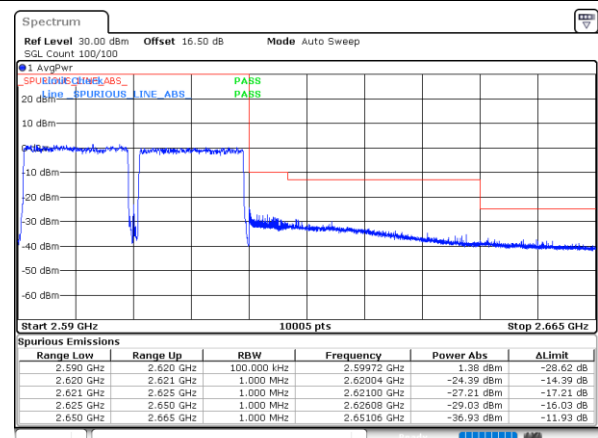
Highest Band Edge / 1RB74 and 1RB0

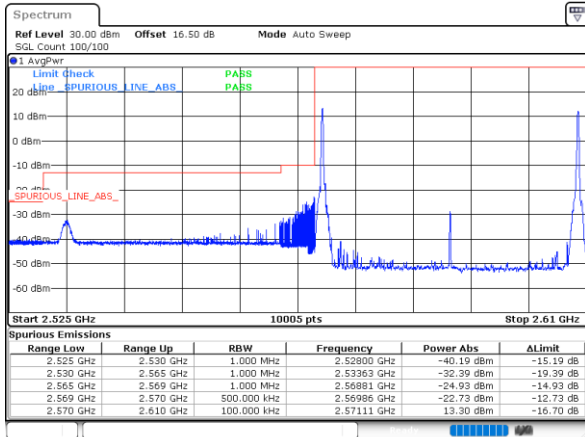
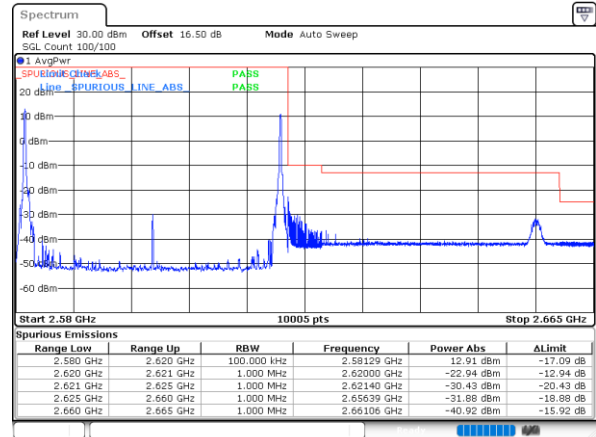
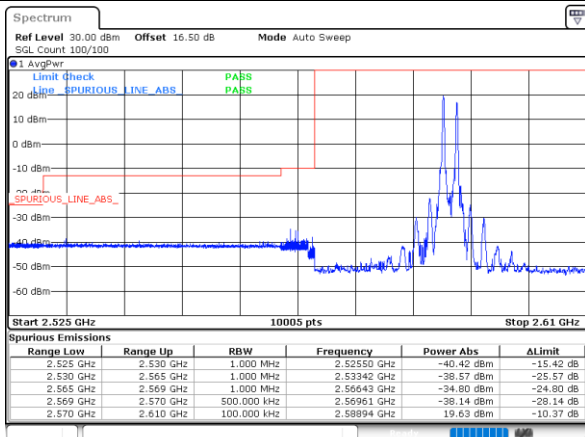
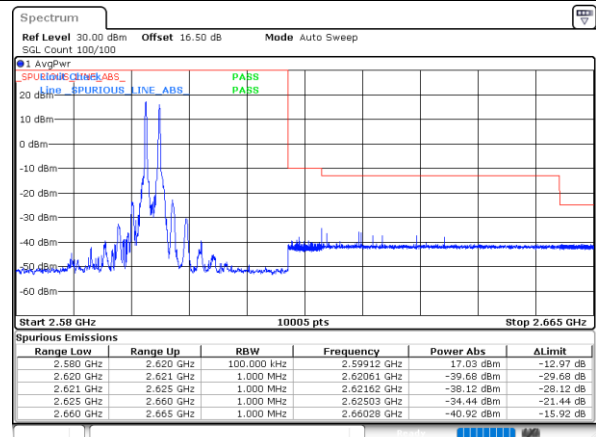
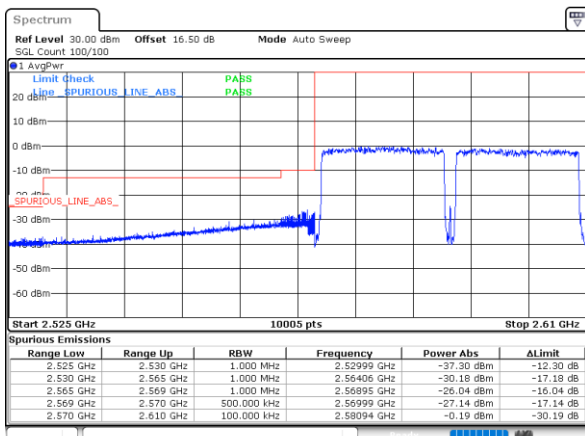


Lowest Band Edge / Full RB



Highest Band Edge / Full RB



**LTE Band 38C / 20MHz+20MHz****64QAM****Lowest Band Edge / 1RB0 and 1RB99****Highest Band Edge / 1RB0 and 1RB99****Lowest Band Edge / 1RB99 and 1RB0****Highest Band Edge / 1RB99 and 1RB0****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**