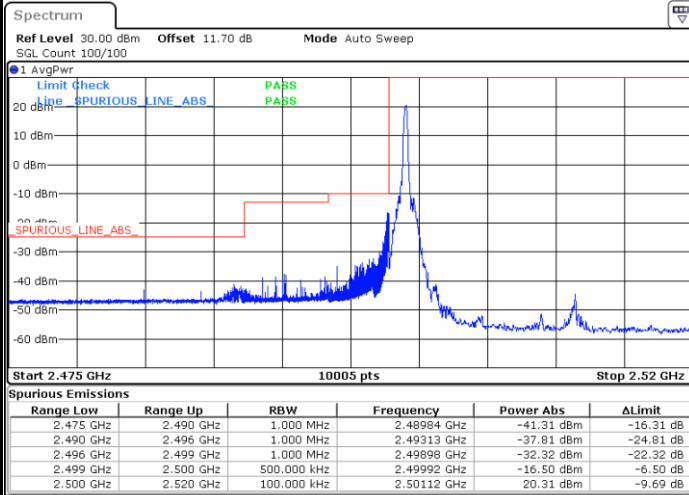


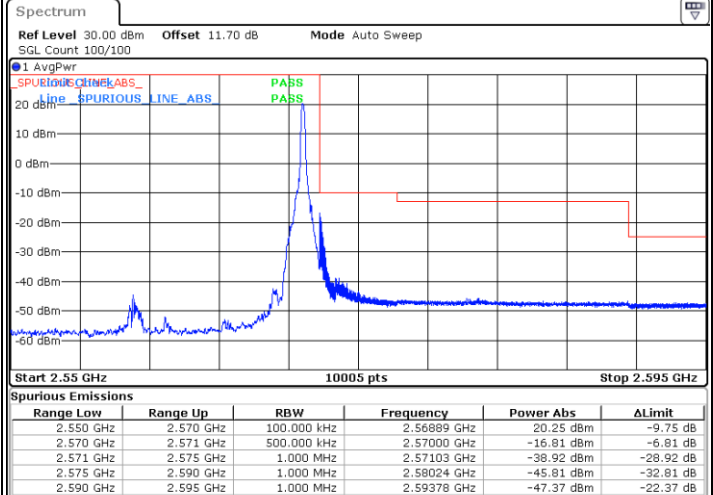


LTE Band 7 / 20MHz / 16QAM

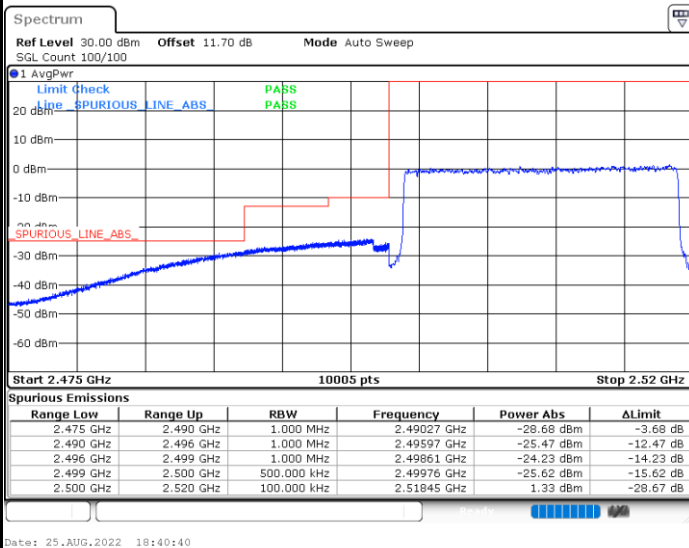
Lowest Band Edge / 1 RB



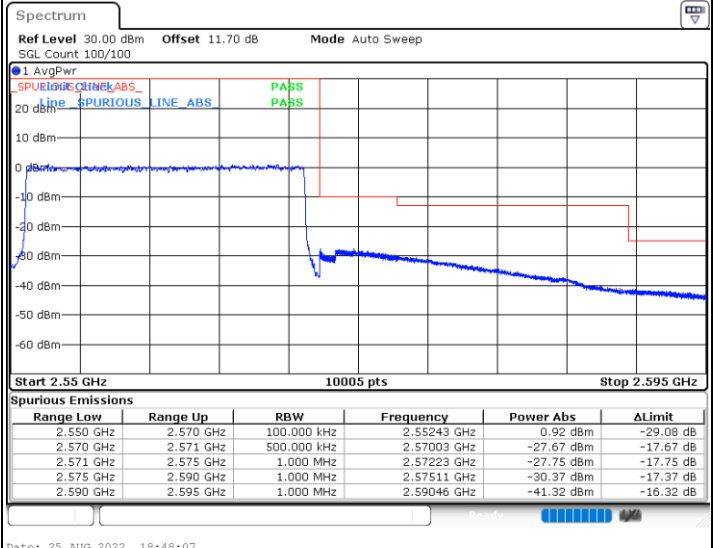
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



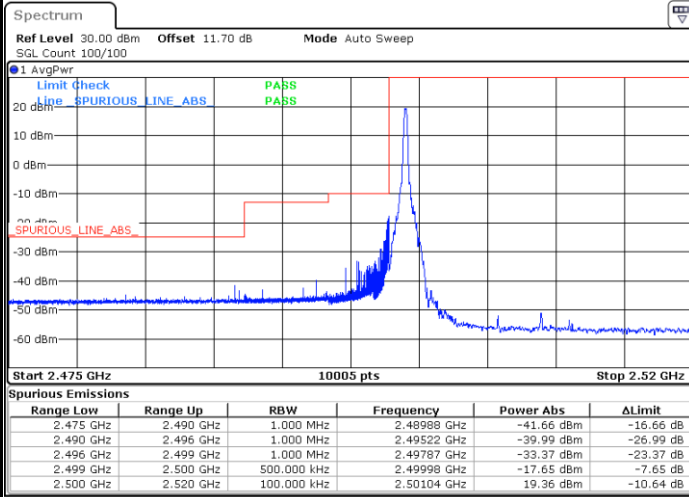
Highest Band Edge / Full RB



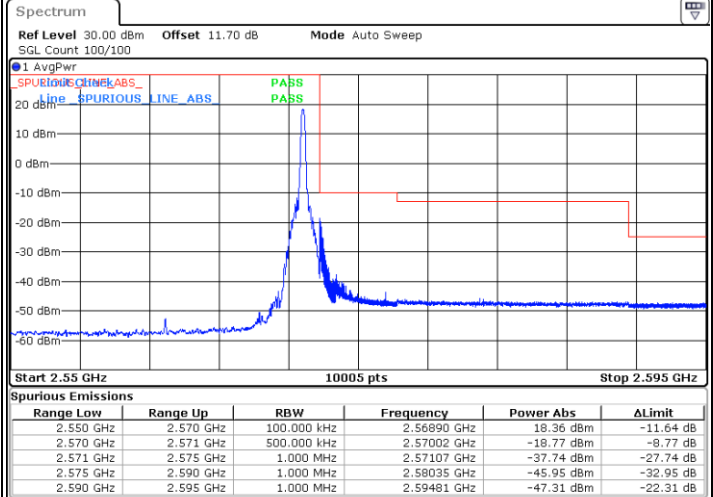


LTE Band 7 / 20MHz / 64QAM

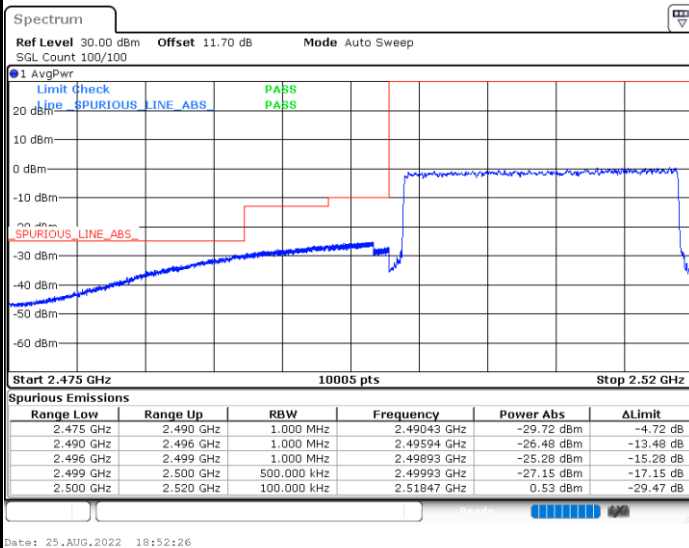
Lowest Band Edge / 1 RB



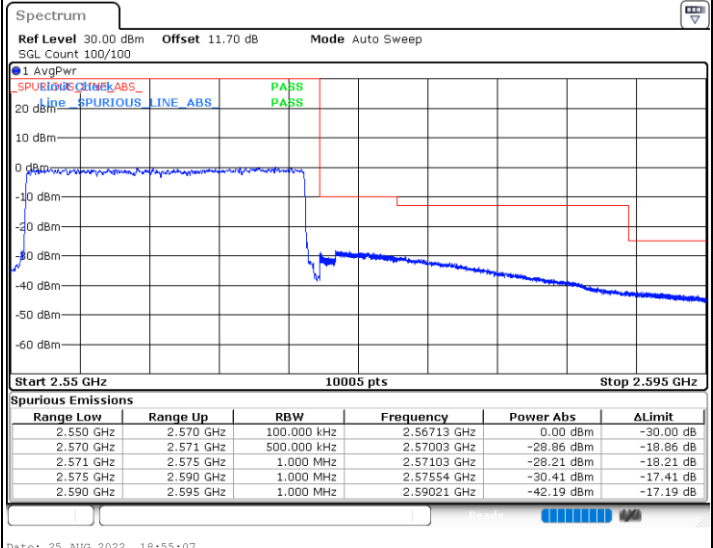
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



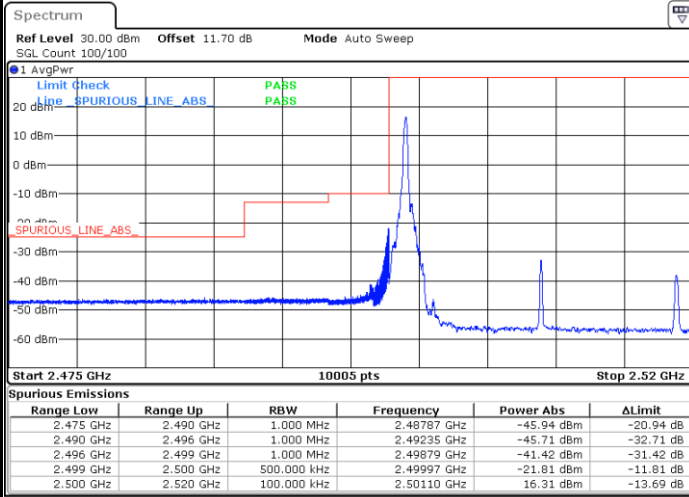
Highest Band Edge / Full RB



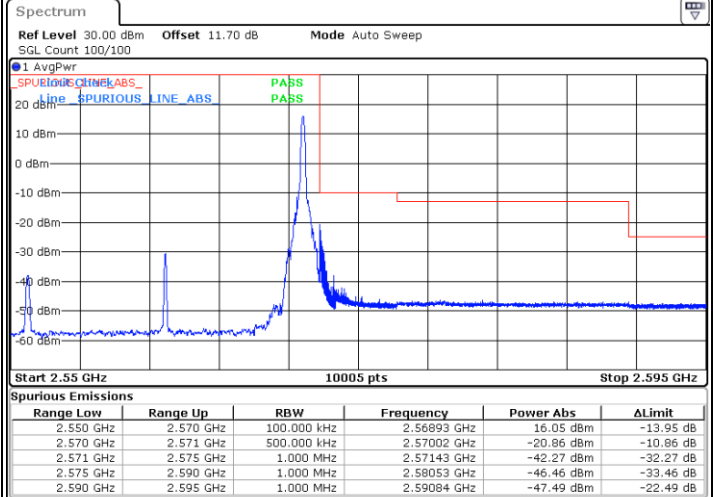


LTE Band 7 / 20MHz / 256QAM

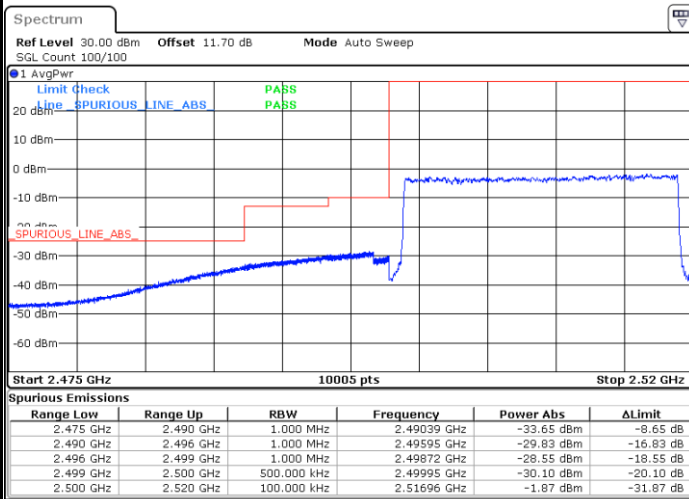
Lowest Band Edge / 1 RB



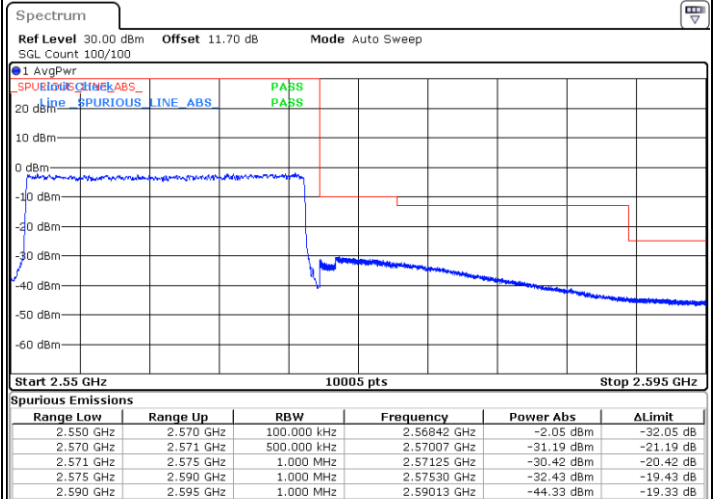
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

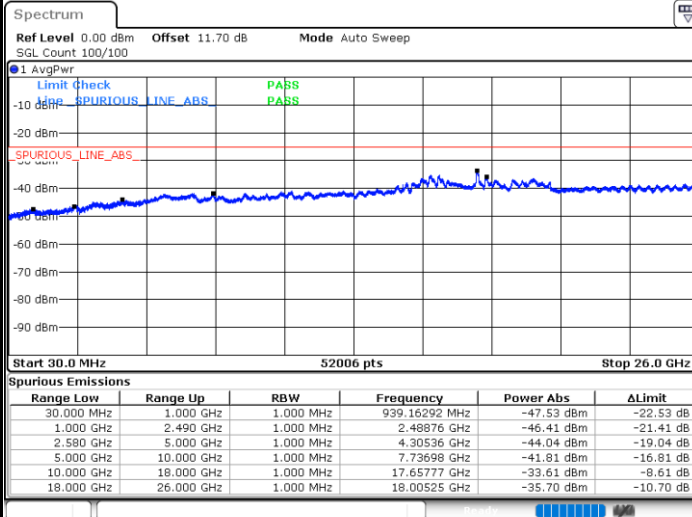




Conducted Spurious Emission

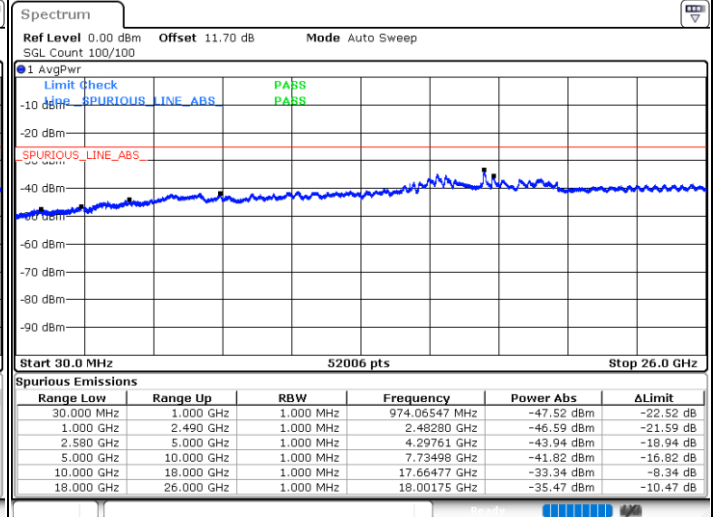
LTE Band 7 / 5MHz

Lowest Channel / QPSK



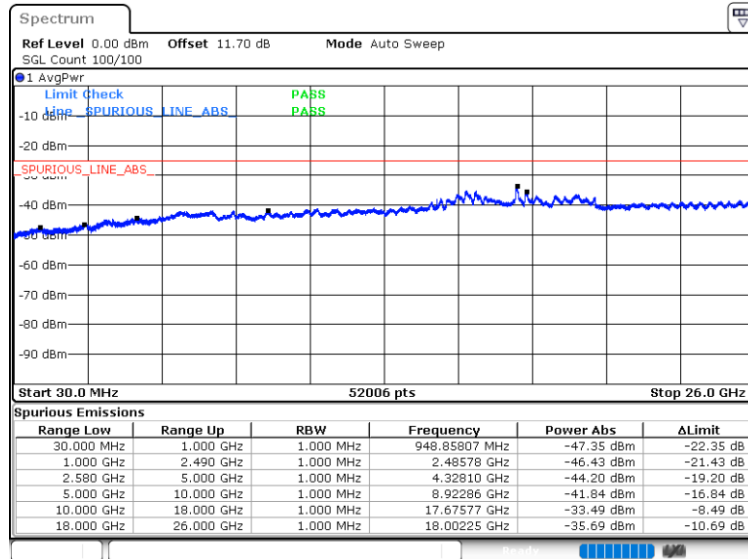
Date: 25.AUG.2022 17:44:19

Middle Channel / QPSK



Date: 25.AUG.2022 17:47:39

Highest Channel / QPSK

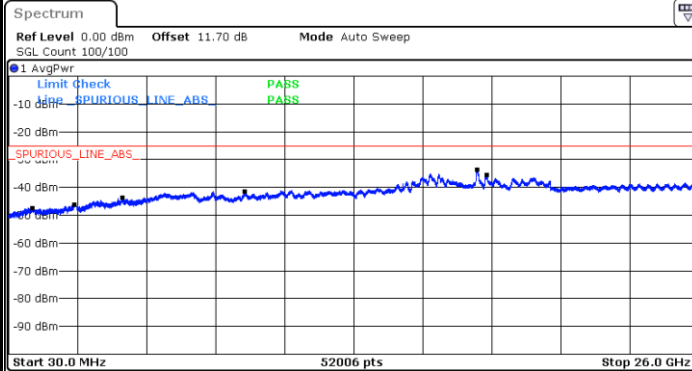


Date: 25.AUG.2022 17:52:52



LTE Band 7 / 10MHz

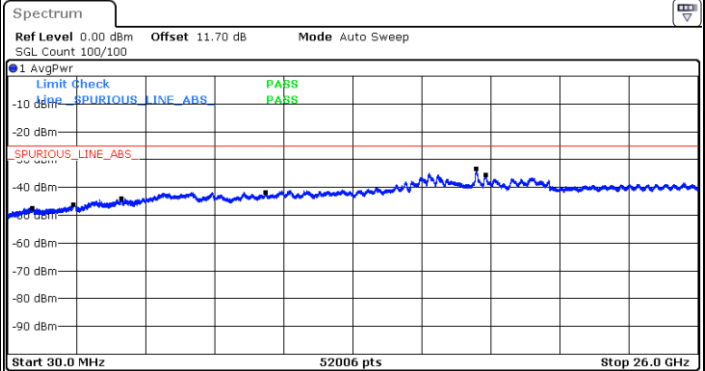
Lowest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.37931 MHz	-47.37 dBm	-22.37 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-46.30 dBm	-21.30 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30245 GHz	-43.85 dBm	-18.85 dB
5.000 GHz	10.000 GHz	1.000 MHz	8.91986 GHz	-41.60 dBm	-16.60 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.66077 GHz	-33.51 dBm	-8.51 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.00125 GHz	-35.59 dBm	-10.59 dB

Date: 25.AUG.2022 18:02:55

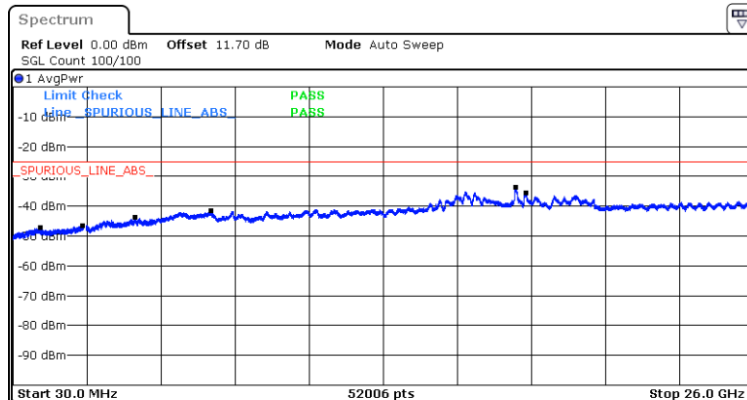
Middle Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.79710 MHz	-47.47 dBm	-22.47 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48826 GHz	-46.35 dBm	-21.35 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29761 GHz	-43.98 dBm	-18.98 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.73628 GHz	-41.78 dBm	-16.78 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.65727 GHz	-33.45 dBm	-8.45 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.00675 GHz	-35.59 dBm	-10.59 dB

Date: 25.AUG.2022 18:06:11

Highest Channel / QPSK



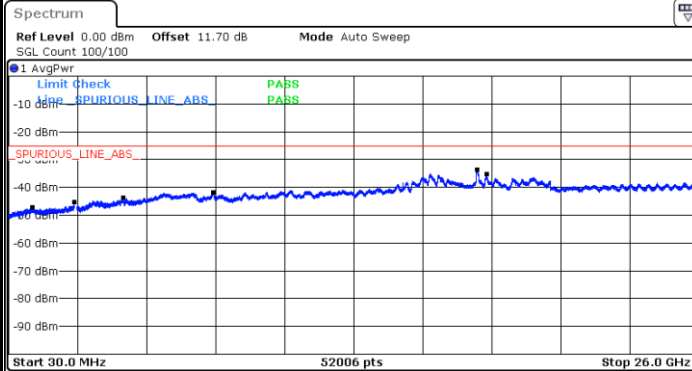
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.85207 MHz	-47.25 dBm	-22.25 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45748 GHz	-46.39 dBm	-21.39 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29665 GHz	-43.87 dBm	-18.87 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96505 GHz	-41.64 dBm	-16.64 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.66177 GHz	-33.64 dBm	-8.64 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.00175 GHz	-35.53 dBm	-10.53 dB

Date: 25.AUG.2022 18:11:31



LTE Band 7 / 15MHz

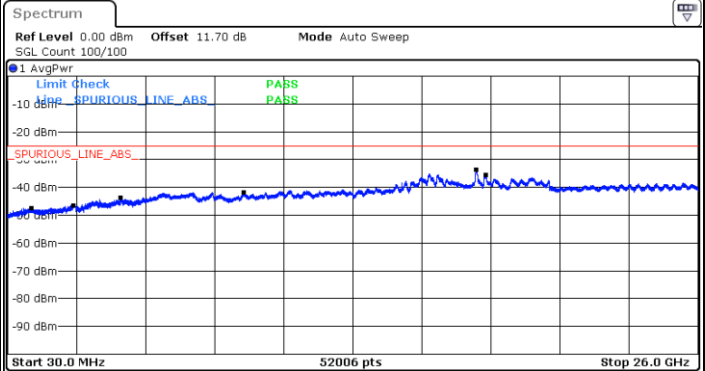
Lowest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-47.18 dBm	-22.18 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48727 GHz	-45.15 dBm	-20.15 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.32181 GHz	-43.80 dBm	-18.80 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.72098 GHz	-41.80 dBm	-16.80 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.65377 GHz	-33.70 dBm	-8.70 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.00075 GHz	-35.38 dBm	-10.38 dB

Date: 25.AUG.2022 18:22:31

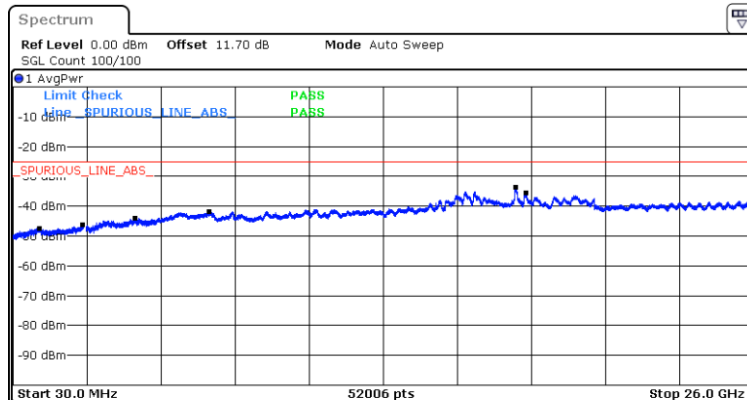
Middle Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.49825 MHz	-47.48 dBm	-22.48 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47933 GHz	-46.53 dBm	-21.53 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.27874 GHz	-43.83 dBm	-18.83 dB
5.000 GHz	10.000 GHz	1.000 MHz	8.91436 GHz	-41.82 dBm	-16.82 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.65977 GHz	-33.67 dBm	-8.67 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.00075 GHz	-35.56 dBm	-10.56 dB

Date: 25.AUG.2022 18:25:44

Highest Channel / QPSK



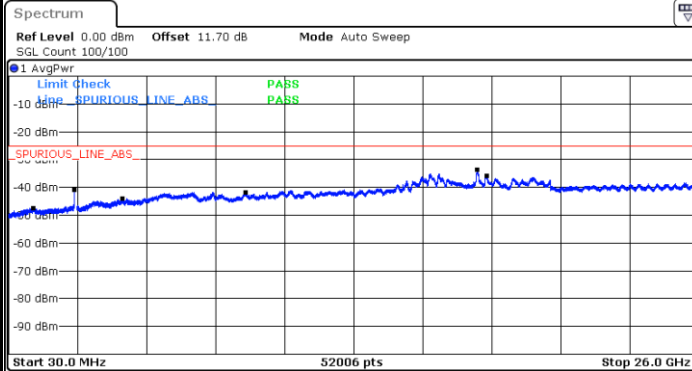
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.28186 MHz	-47.36 dBm	-22.36 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47088 GHz	-46.35 dBm	-21.35 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30149 GHz	-44.05 dBm	-19.05 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.91256 GHz	-41.88 dBm	-16.88 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.65677 GHz	-33.51 dBm	-8.51 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.00175 GHz	-35.47 dBm	-10.47 dB

Date: 25.AUG.2022 18:30:57



LTE Band 7 / 20MHz

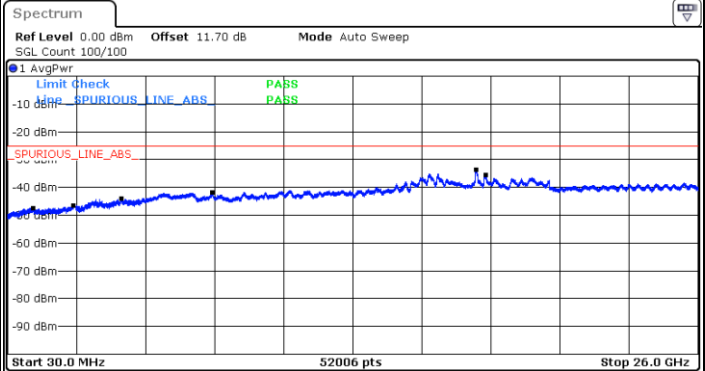
Lowest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-47.33 dBm	-22.33 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-40.85 dBm	-15.85 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29955 GHz	-44.02 dBm	-19.02 dB
5.000 GHz	10.000 GHz	1.000 MHz	8.92836 GHz	-41.80 dBm	-16.80 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.65427 GHz	-33.55 dBm	-8.55 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.00675 GHz	-35.70 dBm	-10.70 dB

Date: 25.AUG.2022 18:41:57

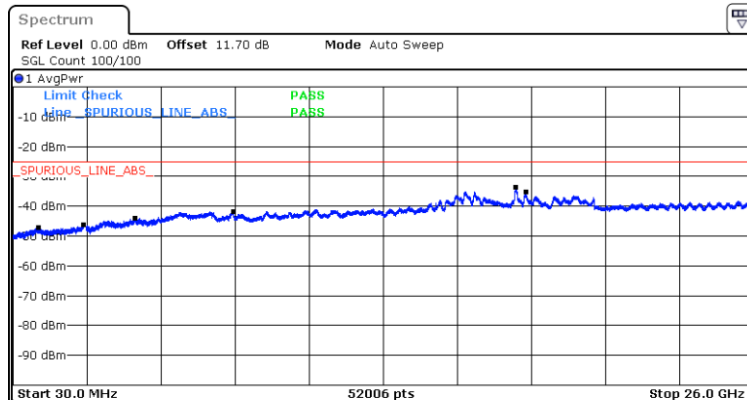
Middle Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-47.38 dBm	-22.38 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48578 GHz	-46.42 dBm	-21.42 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29955 GHz	-44.00 dBm	-19.00 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.71898 GHz	-41.81 dBm	-16.81 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.65427 GHz	-33.62 dBm	-8.62 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.00075 GHz	-35.63 dBm	-10.63 dB

Date: 25.AUG.2022 18:45:10

Highest Channel / QPSK



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.83358 MHz	-47.30 dBm	-22.30 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-46.29 dBm	-21.29 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29471 GHz	-44.14 dBm	-19.14 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.73998 GHz	-41.84 dBm	-16.84 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.65677 GHz	-33.70 dBm	-8.70 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.00175 GHz	-35.26 dBm	-10.26 dB

Date: 25.AUG.2022 18:50:27

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0049	

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 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.91	25.23	30.51	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.90	39.80	

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.85	25.08	30.63	34.62
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.90	39.96	

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.67	25.18	30.51	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.83	39.80	

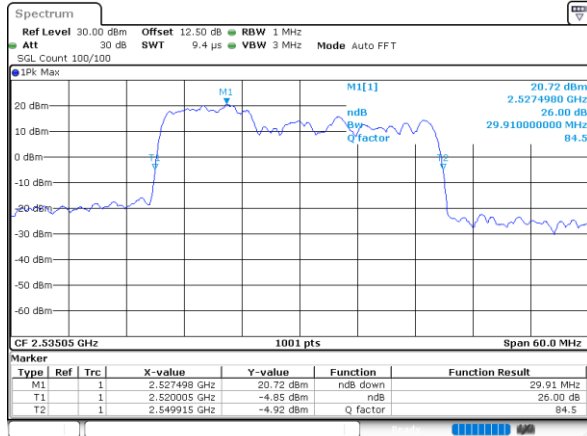
Mode	LTE Band 7C : 26dB BW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.91	25.28	30.39	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.97	39.88	



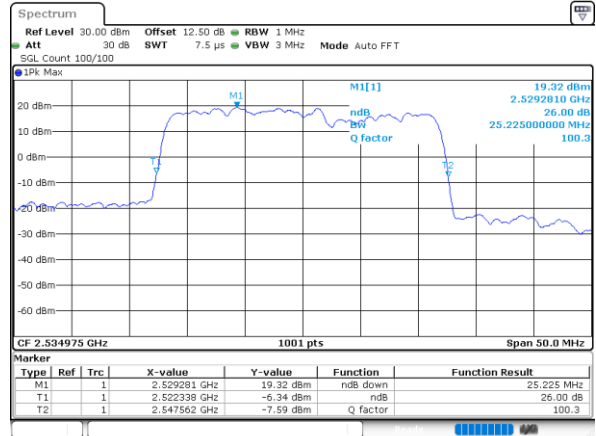
LTE Band 7C

QPSK

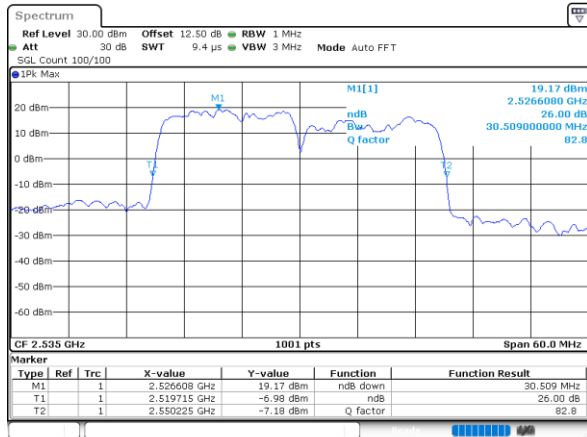
Middle Channel / 10MHz+20MHz



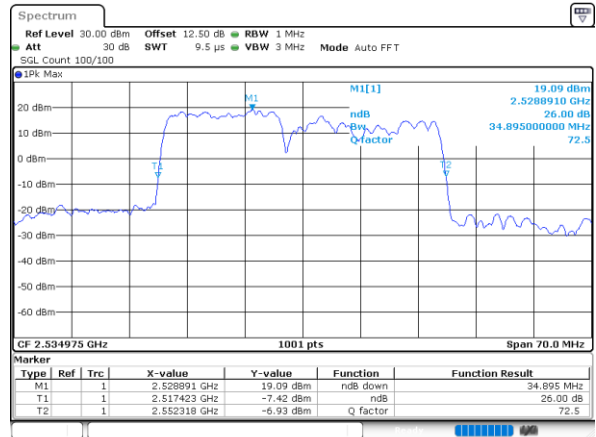
Middle Channel / 15MHz+10MHz



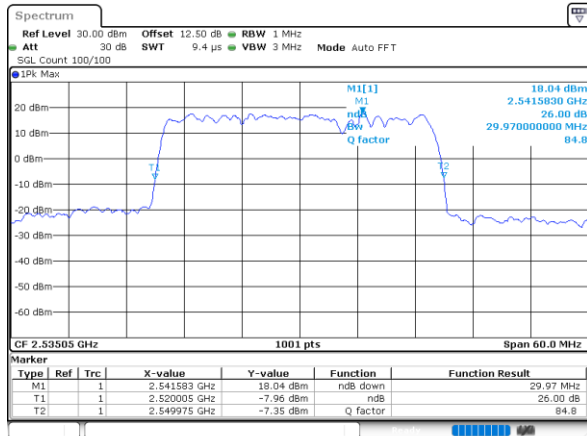
Middle Channel / 15MHz+15MHz



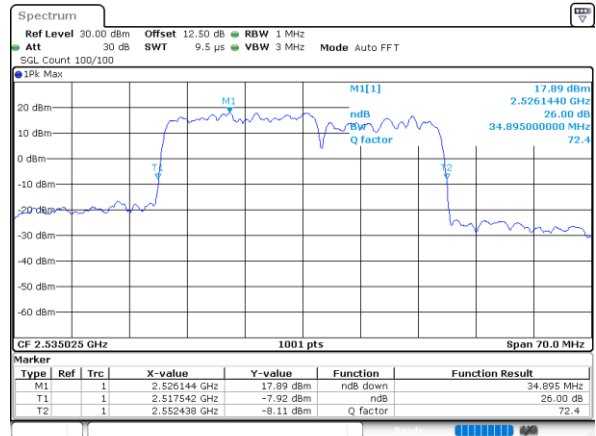
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



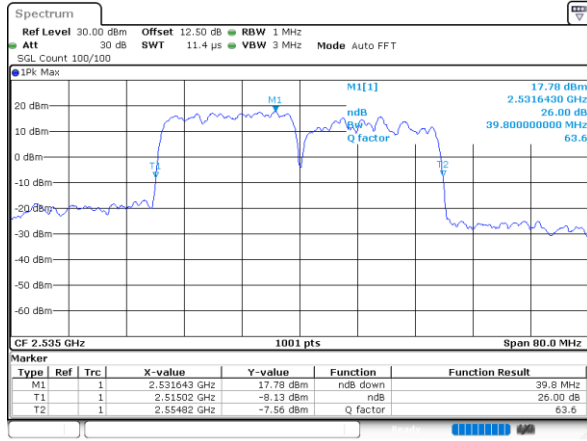


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

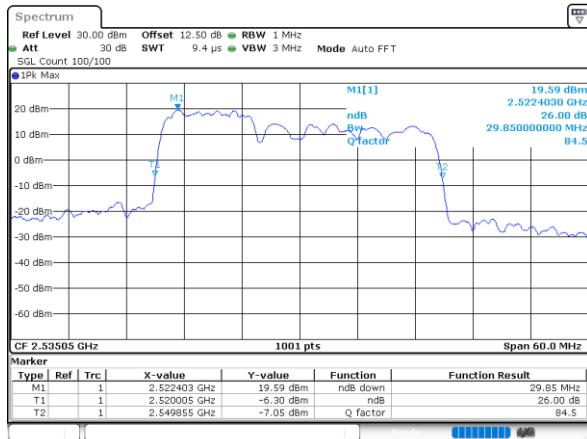




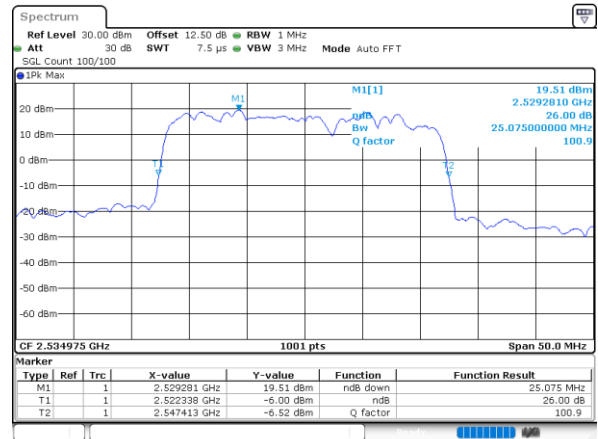
LTE Band 7C

16QAM

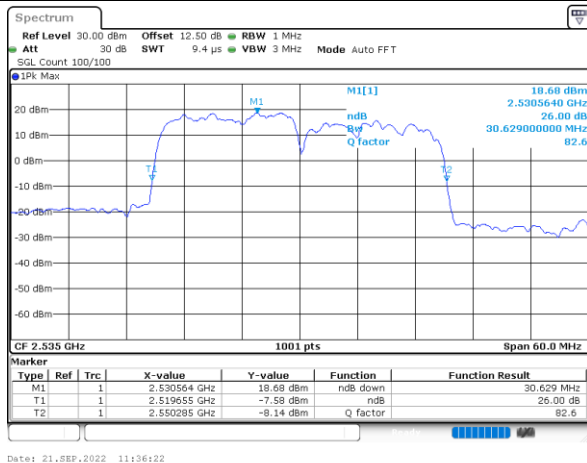
Middle Channel / 10MHz+20MHz



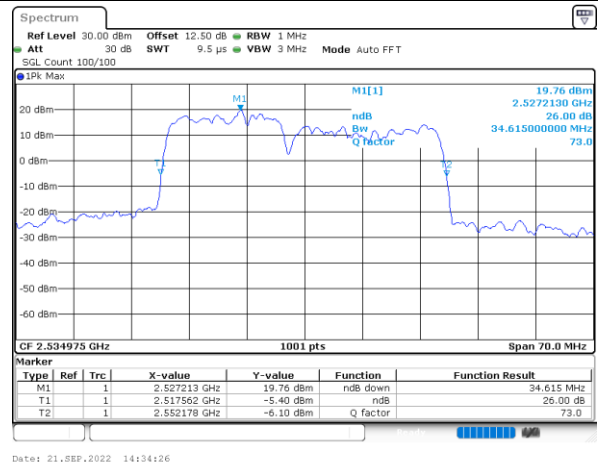
Middle Channel / 15MHz+10MHz



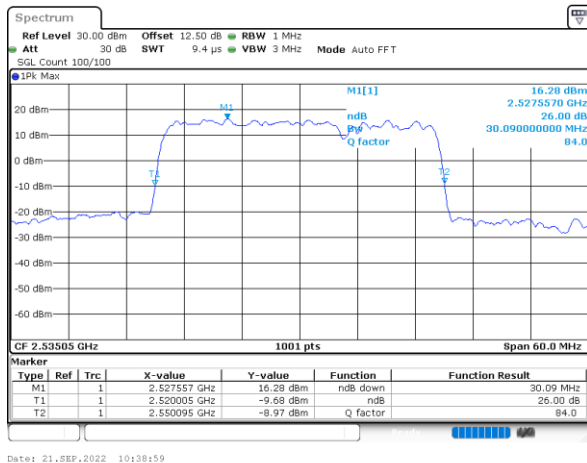
Middle Channel / 15MHz+15MHz



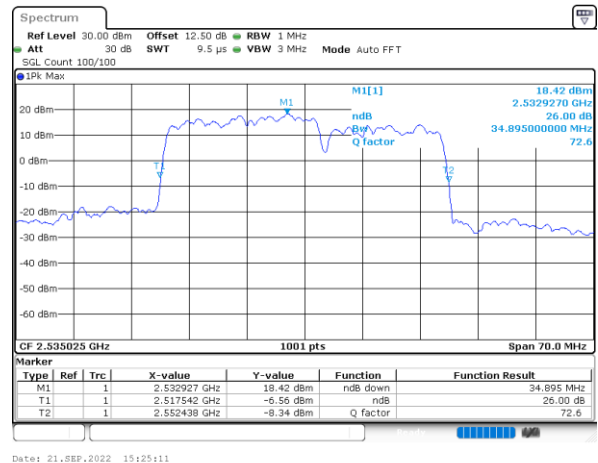
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



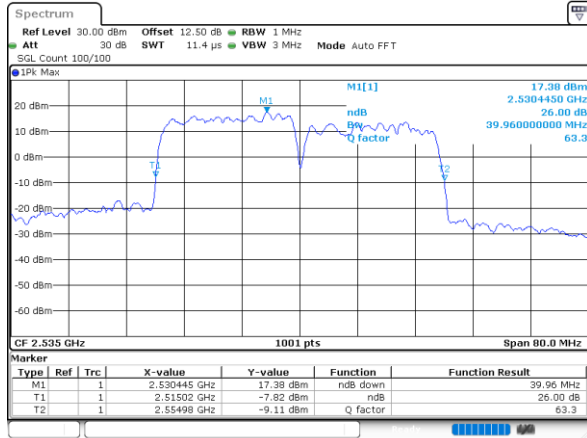


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A

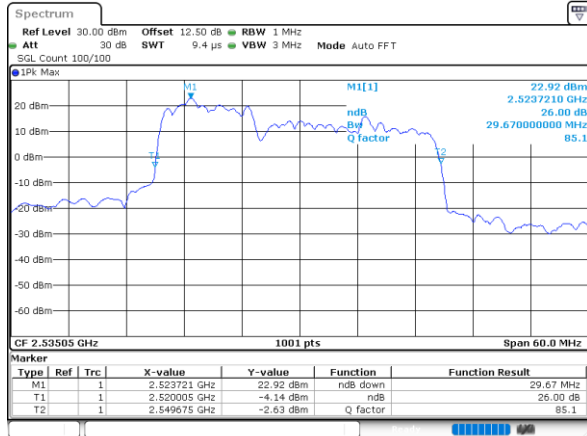




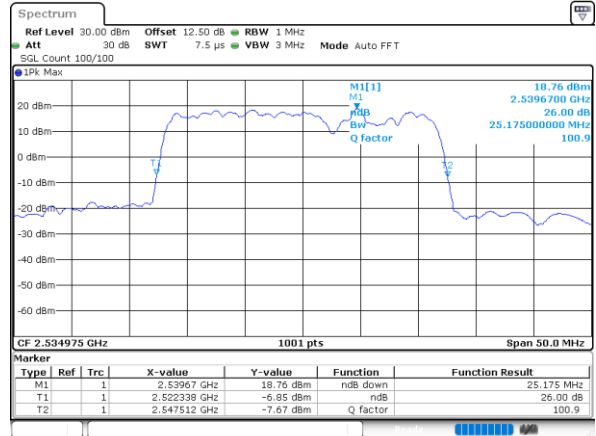
LTE Band 7C

64QAM

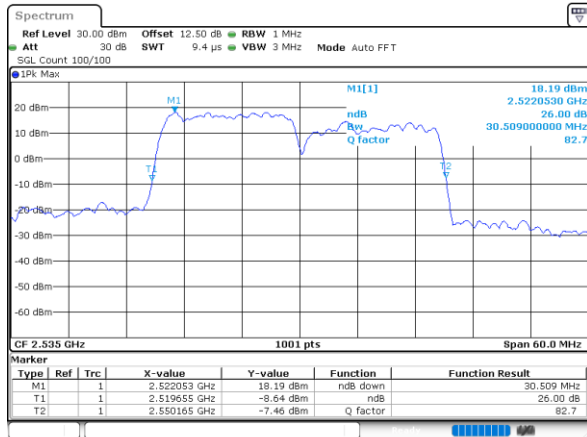
Middle Channel / 10MHz+20MHz



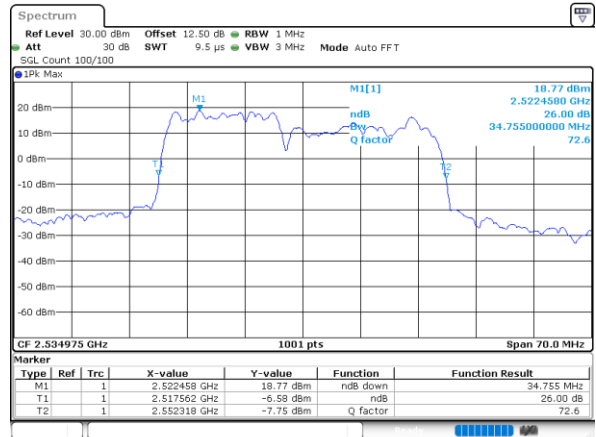
Middle Channel / 15MHz+10MHz



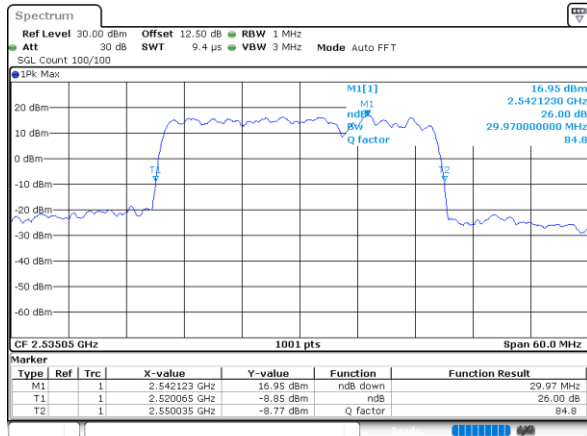
Middle Channel / 15MHz+15MHz



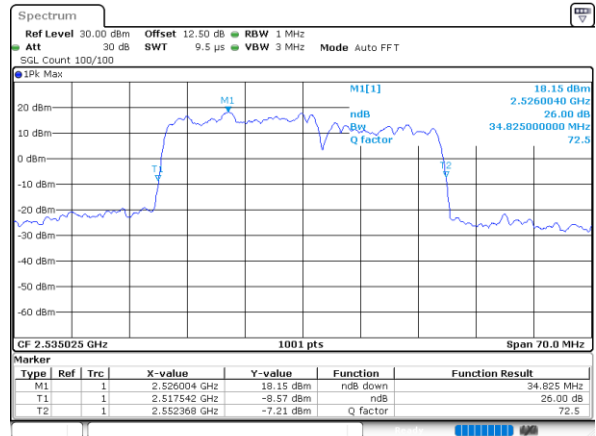
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



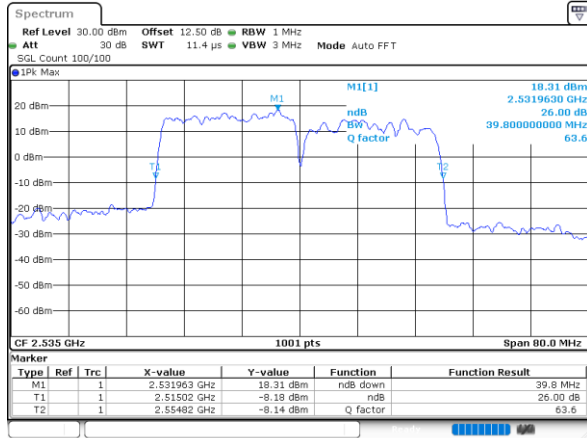


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A

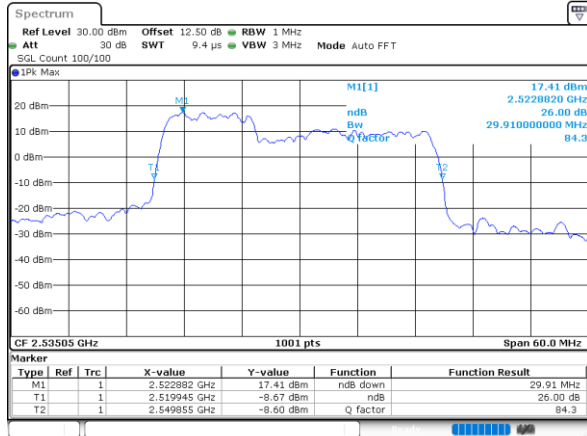




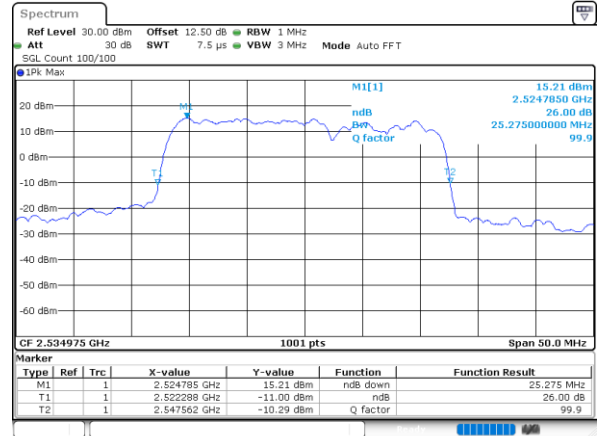
LTE Band 7C

256QAM

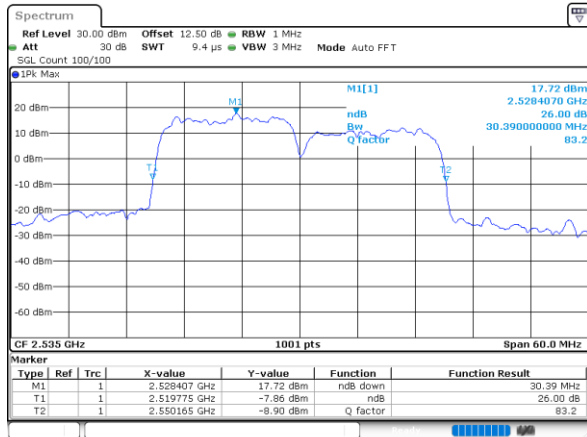
Middle Channel / 10MHz+20MHz



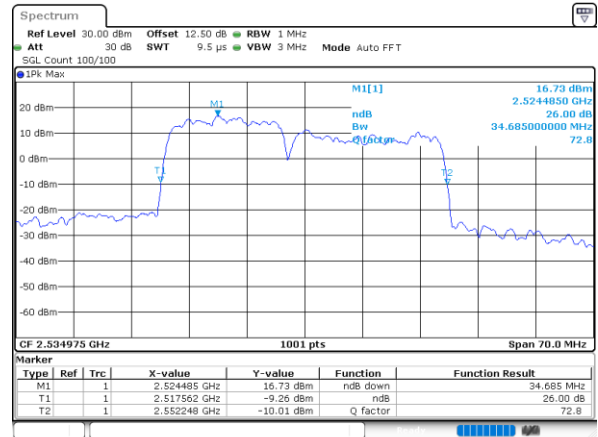
Middle Channel / 15MHz+10MHz



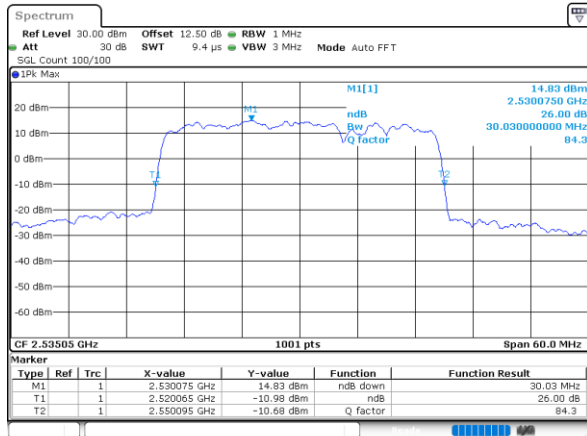
Middle Channel / 15MHz+15MHz



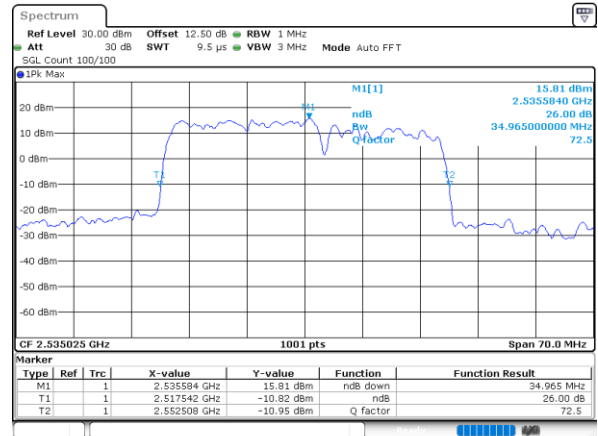
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz





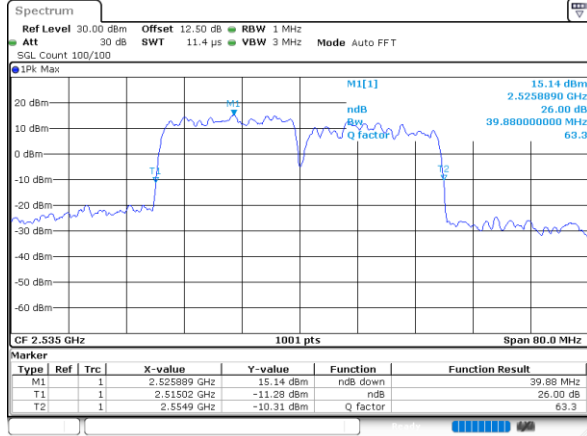


LTE Band 7C

256QAM

Middle Channel / 20MHz+20MHz

N/A



**Occupied Bandwidth**

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.99	23.48	28.53	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.80	37.80	

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.11	23.43	28.35	32.31
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	32.80	37.48	

Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.99	23.33	28.71	32.45
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	32.87	37.56	

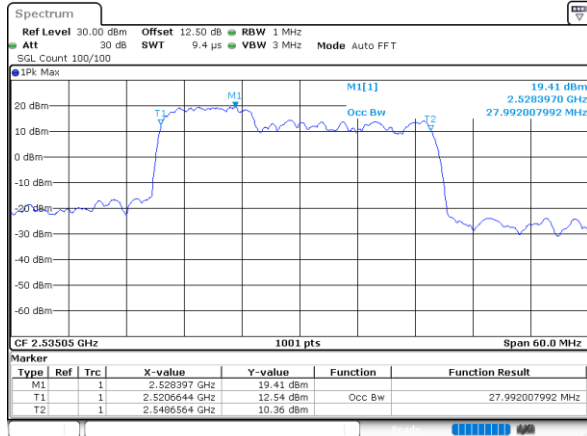
Mode	LTE Band 7C : 99%OBW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.99	23.18	28.47	33.08
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.73	37.56	



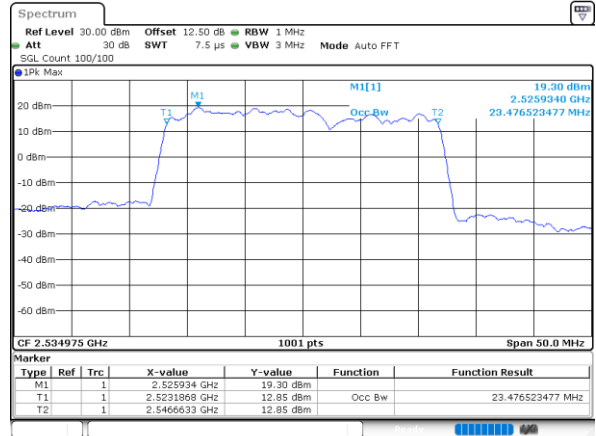
LTE Band 7C

QPSK

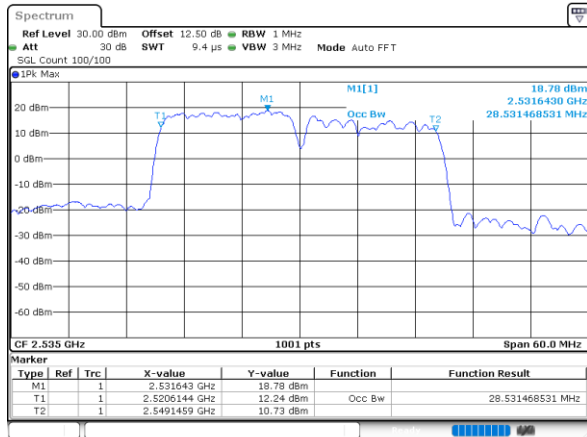
Middle Channel / 10MHz+20MHz



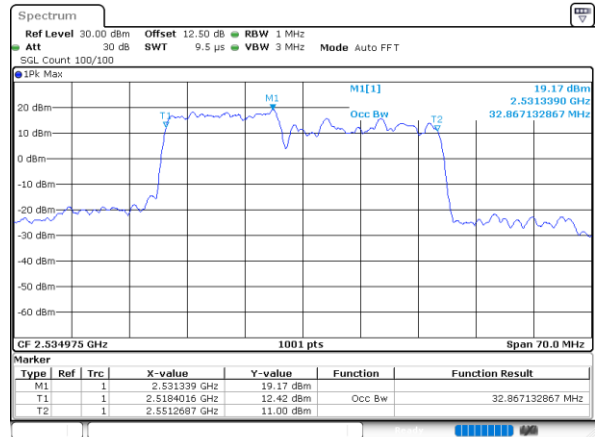
Middle Channel / 15MHz+10MHz



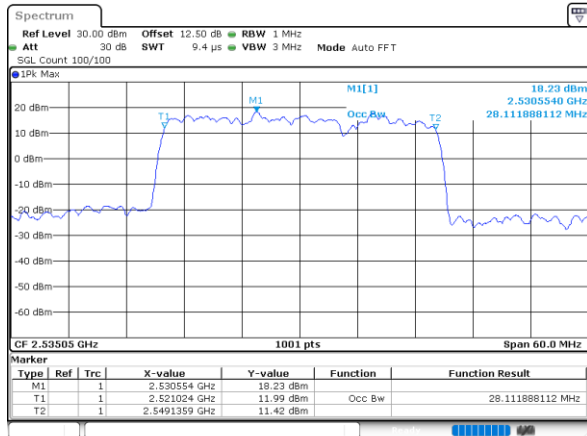
Middle Channel / 15MHz+15MHz



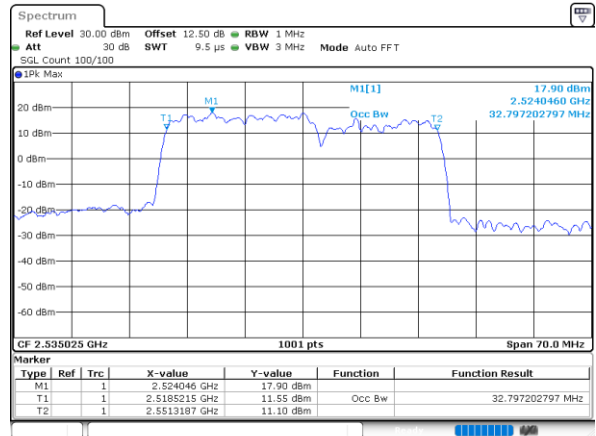
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



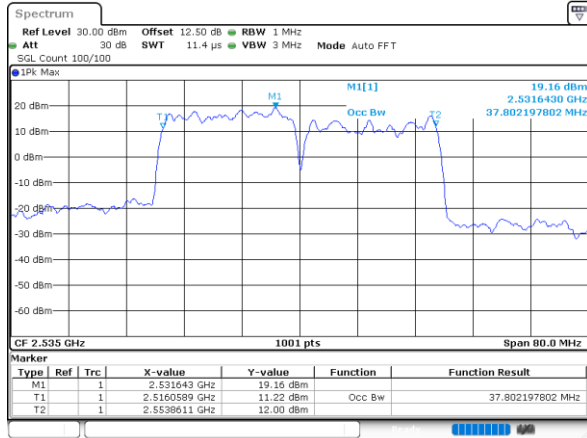


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

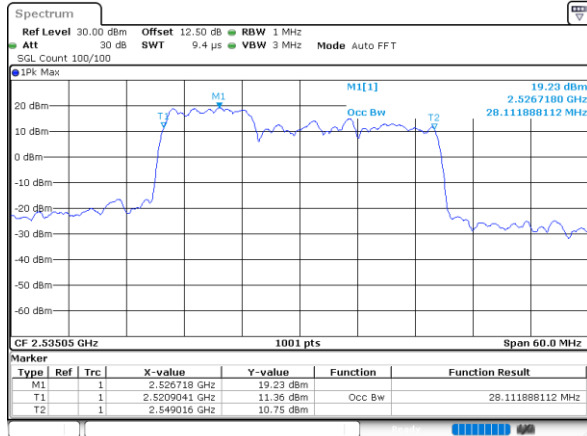




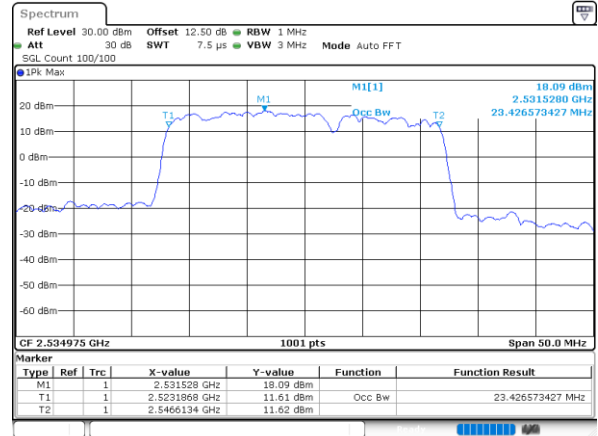
LTE Band 7C

16QAM

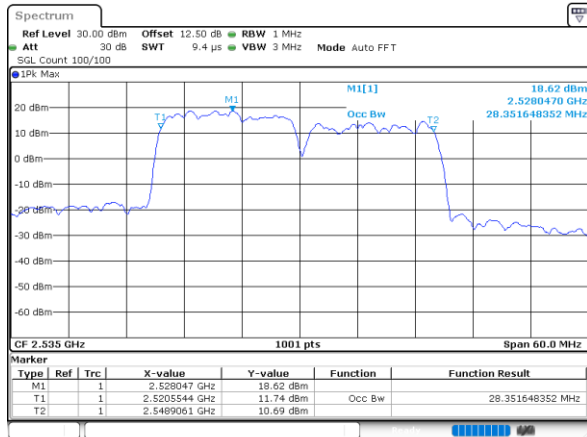
Middle Channel / 10MHz+20MHz



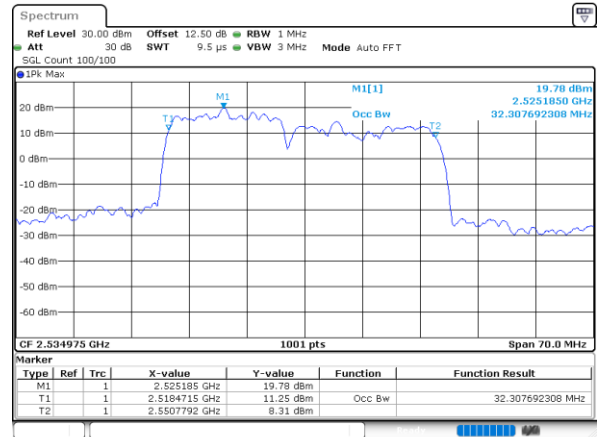
Middle Channel / 15MHz+10MHz



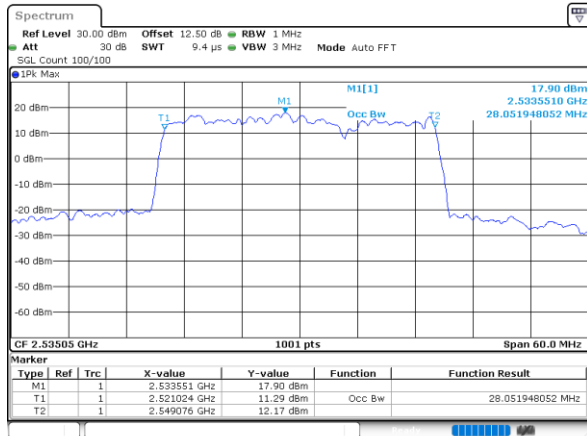
Middle Channel / 15MHz+15MHz



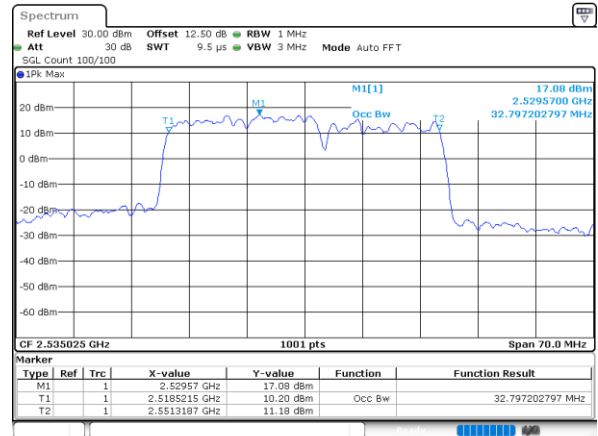
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



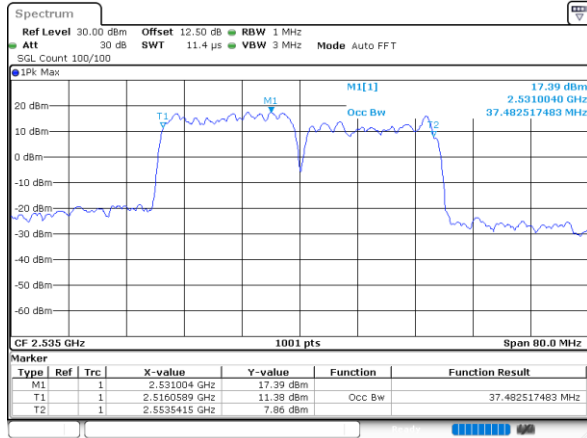


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A

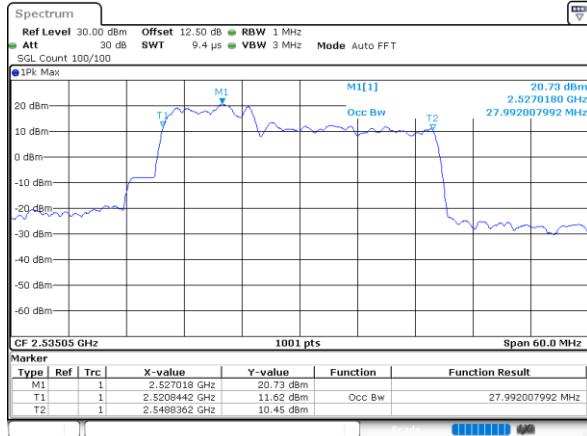




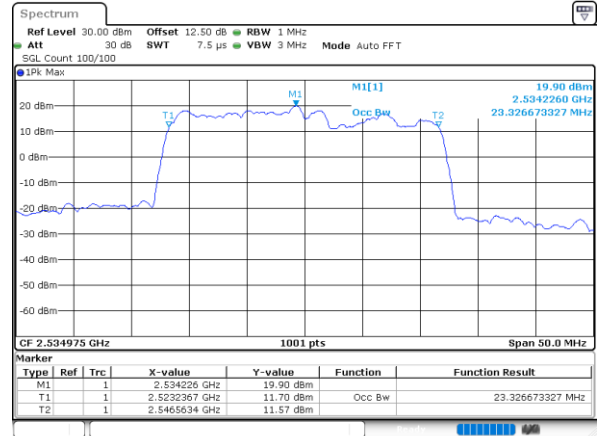
LTE Band 7C

64QAM

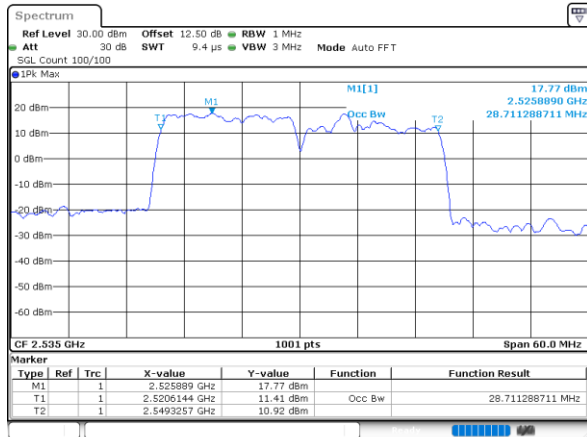
Middle Channel / 10MHz+20MHz



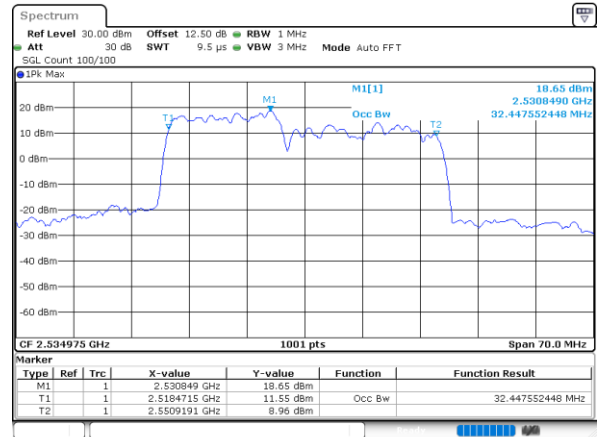
Middle Channel / 15MHz+10MHz



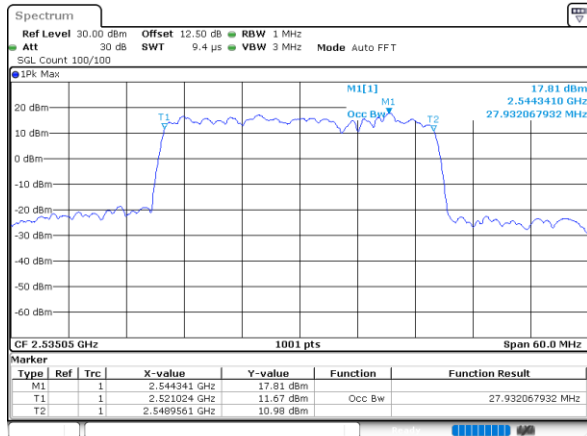
Middle Channel / 15MHz+15MHz



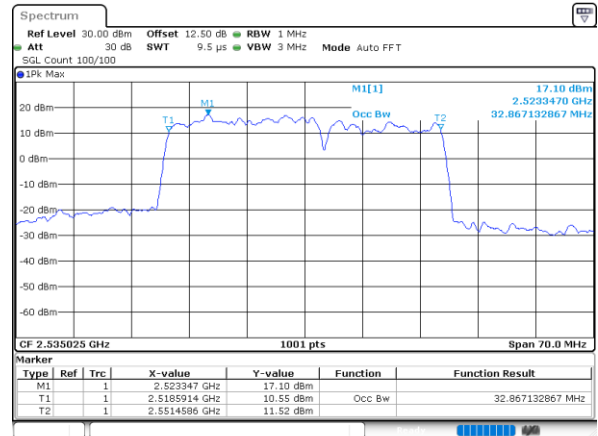
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



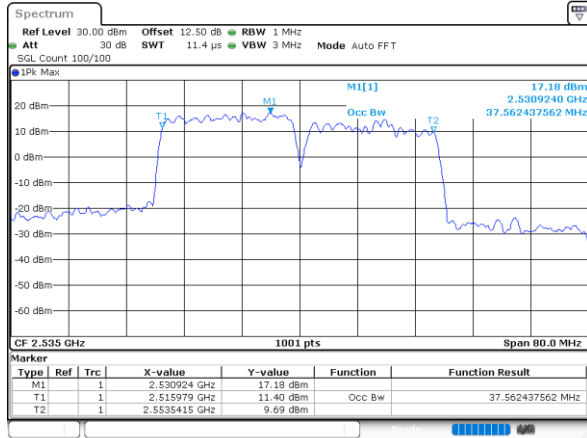


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A

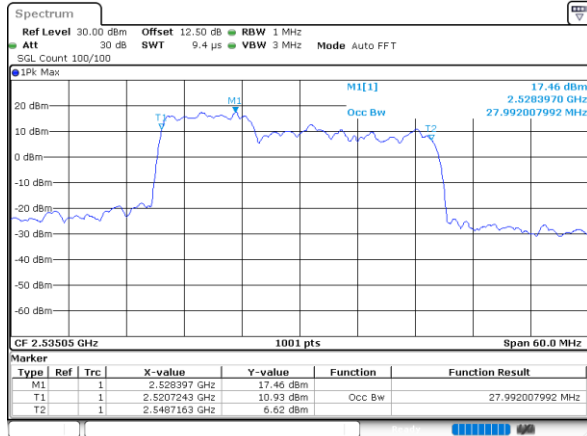




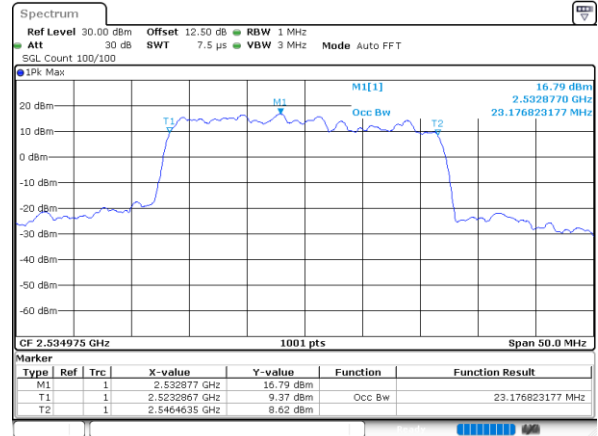
LTE Band 7C

256QAM

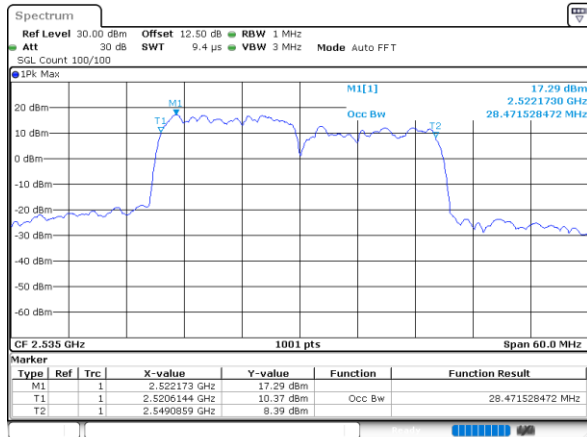
Middle Channel / 10MHz+20MHz



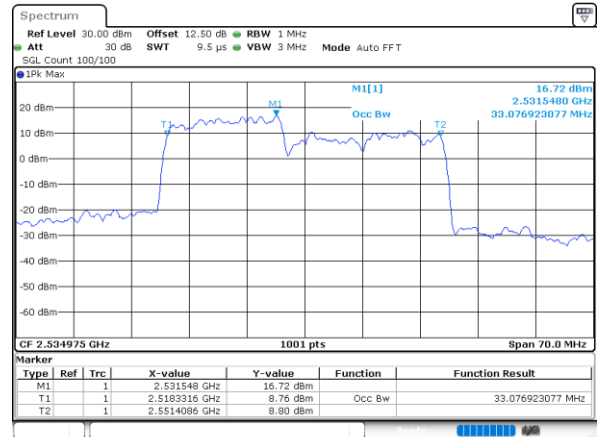
Middle Channel / 15MHz+10MHz



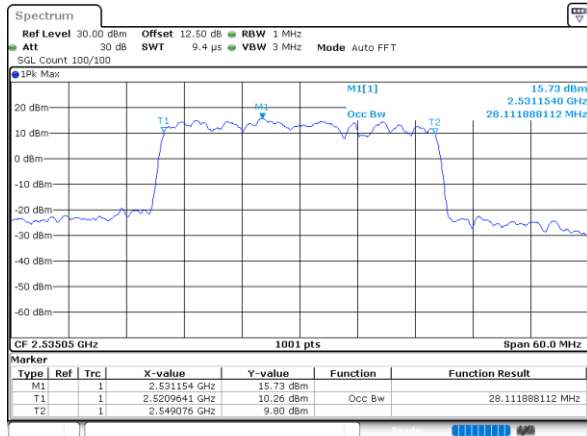
Middle Channel / 15MHz+15MHz



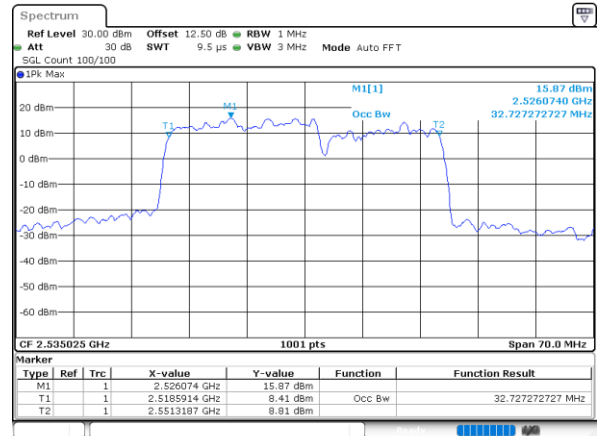
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



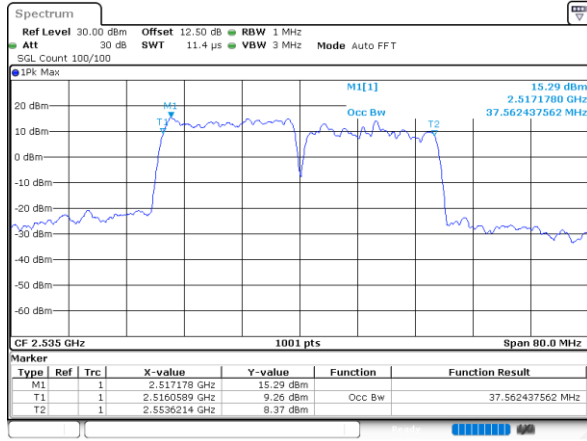


LTE Band 7C

256QAM

Middle Channel / 20MHz+20MHz

N/A





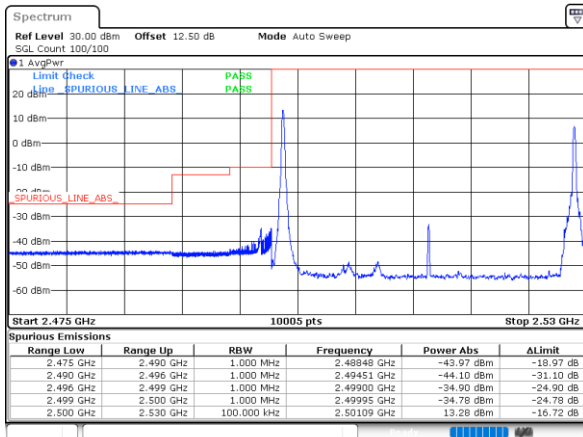
Conducted Band Edge



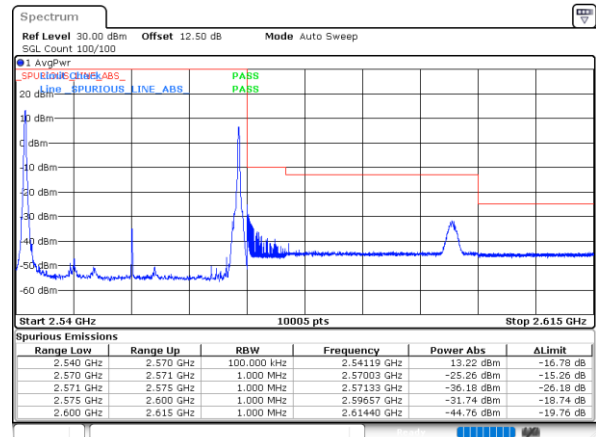
LTE Band 7C / 10MHz+20MHz

QPSK

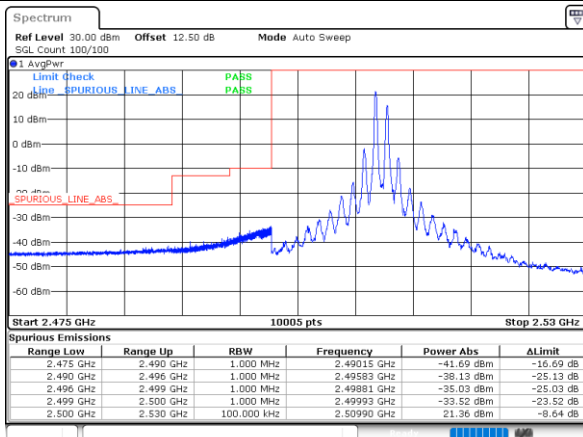
Lowest Band Edge / 1RB0 and 1RB99



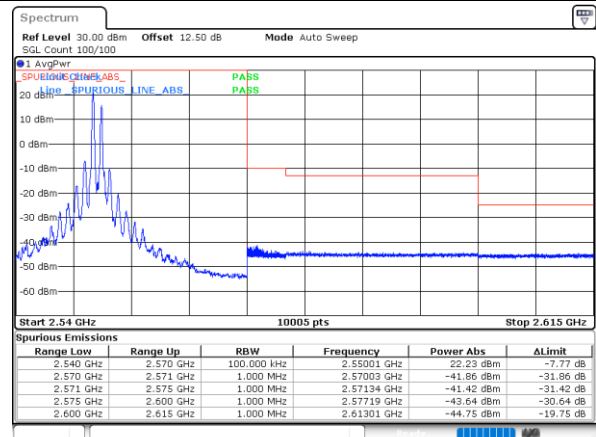
Highest Band Edge / 1RB0 and 1RB99



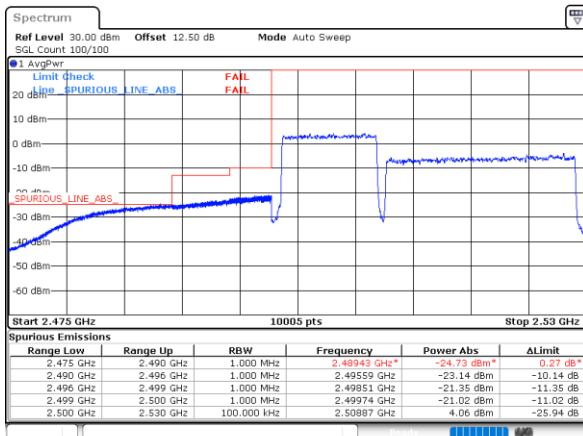
Lowest Band Edge / 1RB49 and 1RB0



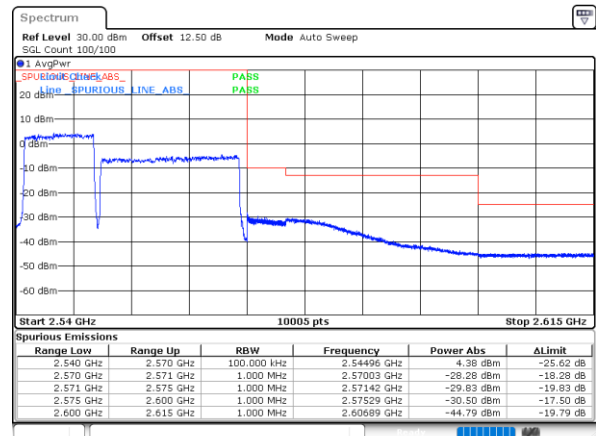
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

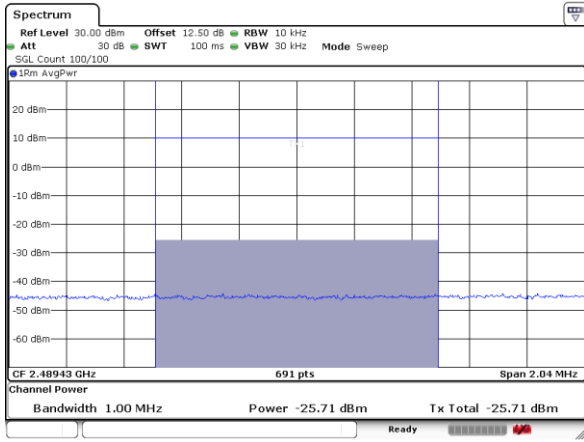


Highest Band Edge / Full RB





Lowest Band Edge / Full RB

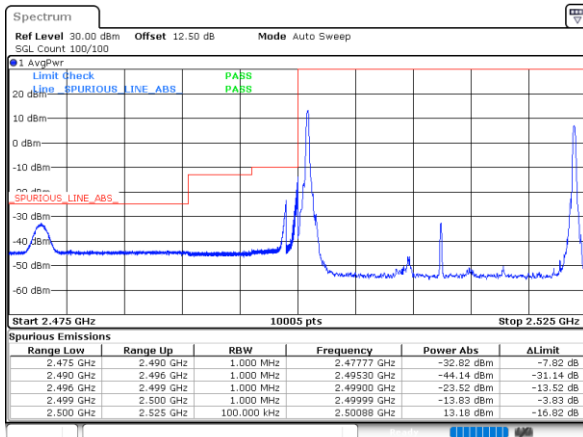




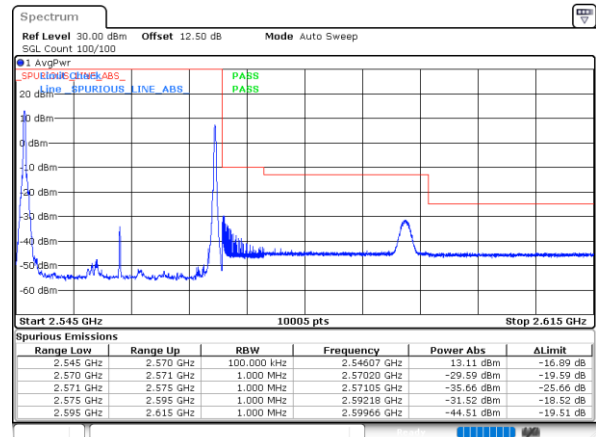
LTE Band 7C / 15MHz+10MHz

QPSK

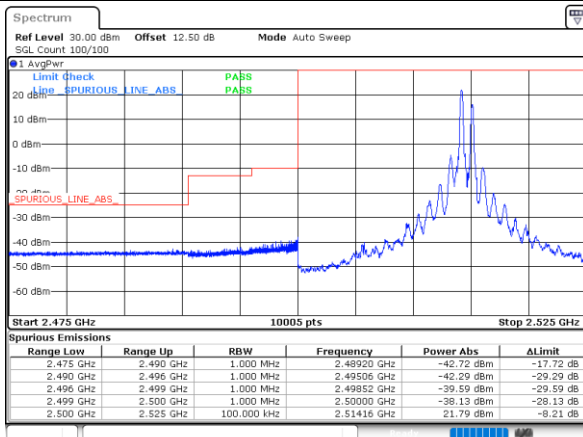
Lowest Band Edge / 1RB0 and 1RB49



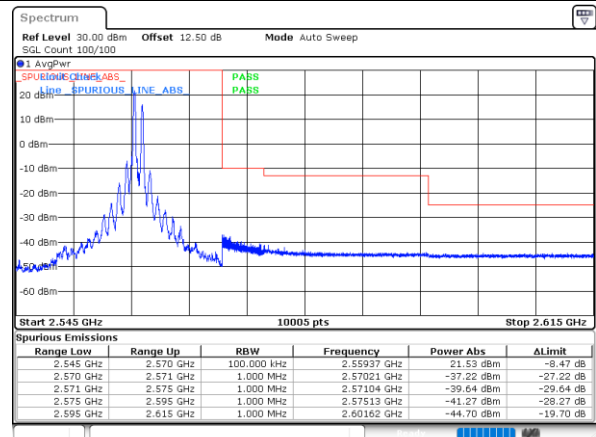
Highest Band Edge / 1RB0 and 1RB49



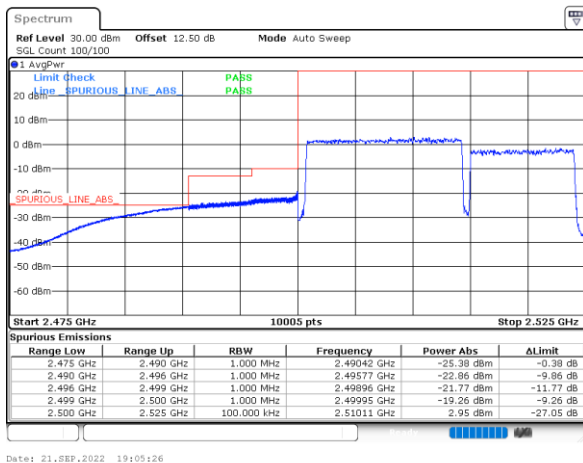
Lowest Band Edge / 1RB74 and 1RB0



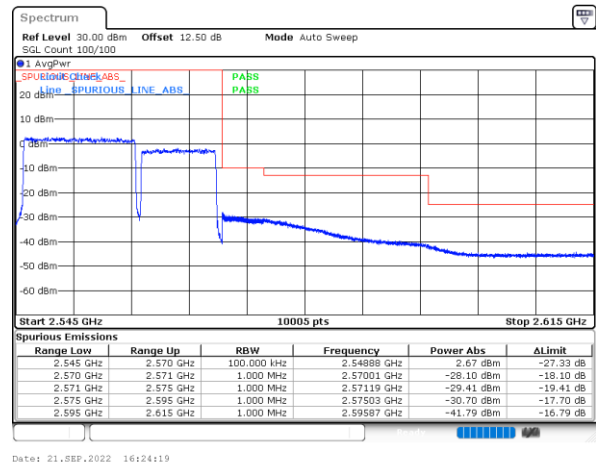
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

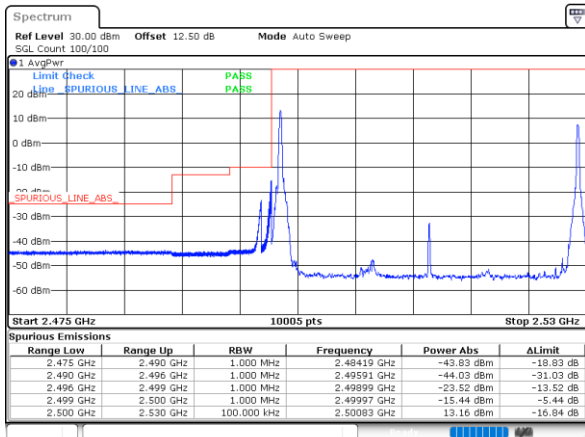




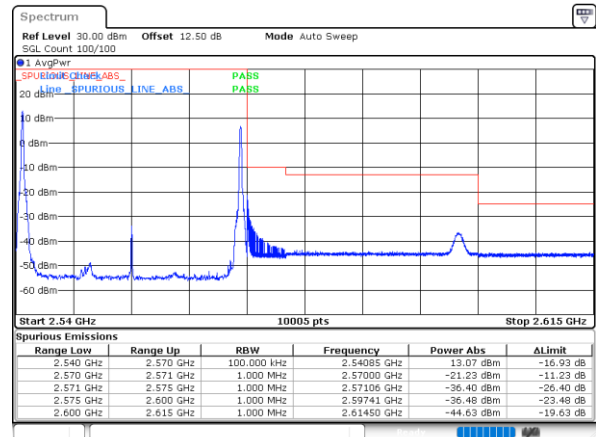
LTE Band 7C / 15MHz+15MHz

QPSK

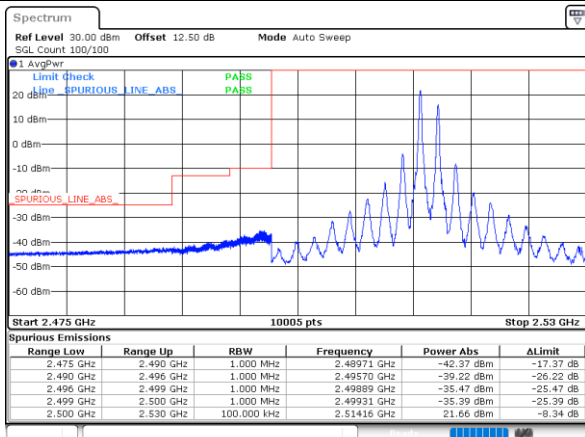
Lowest Band Edge / 1RB0 and 1RB74



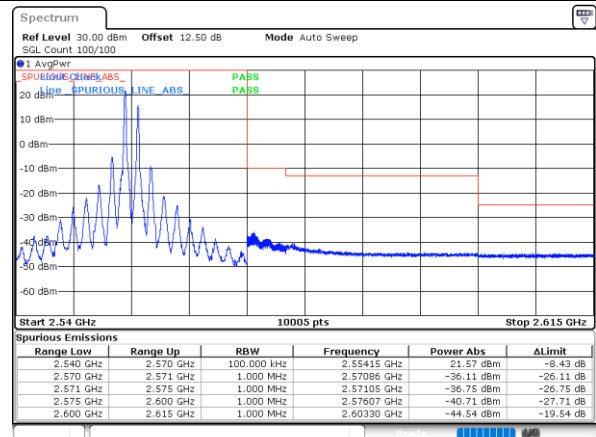
Highest Band Edge / 1RB0 and 1RB74



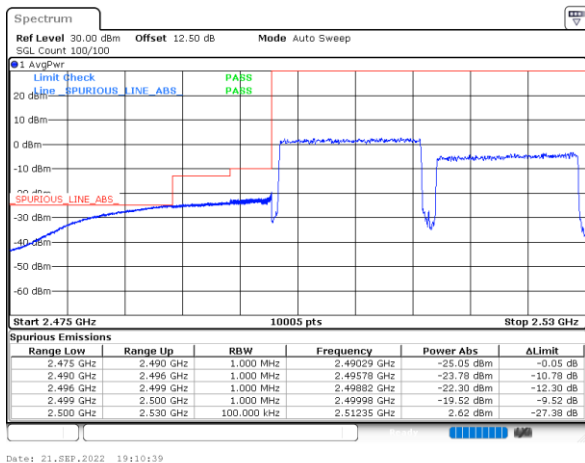
Lowest Band Edge / 1RB74 and 1RB0



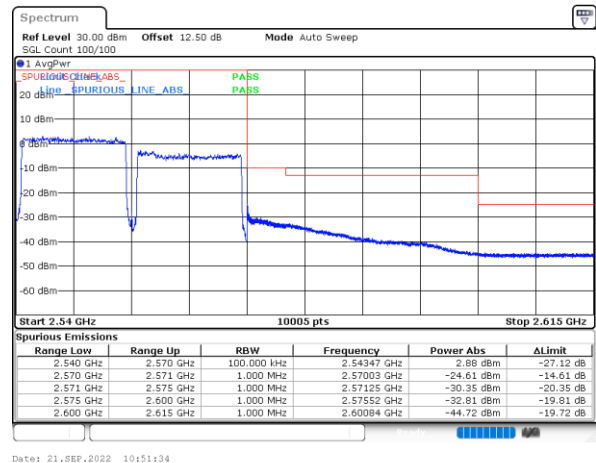
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

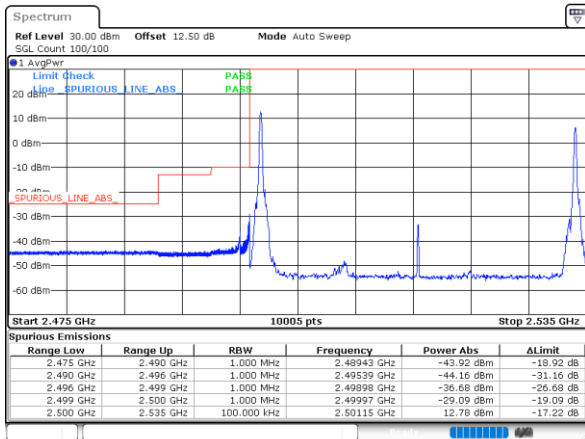




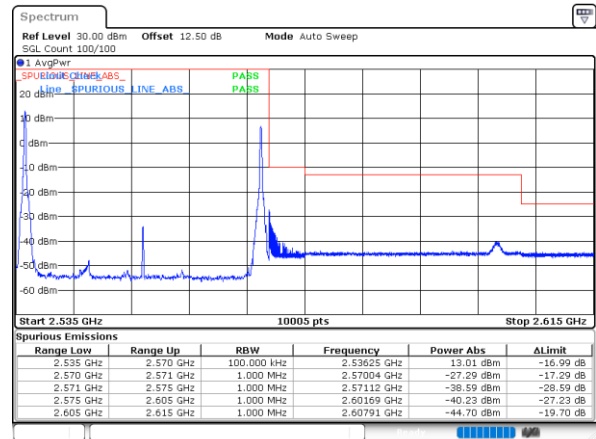
LTE Band 7C / 15MHz+20MHz

QPSK

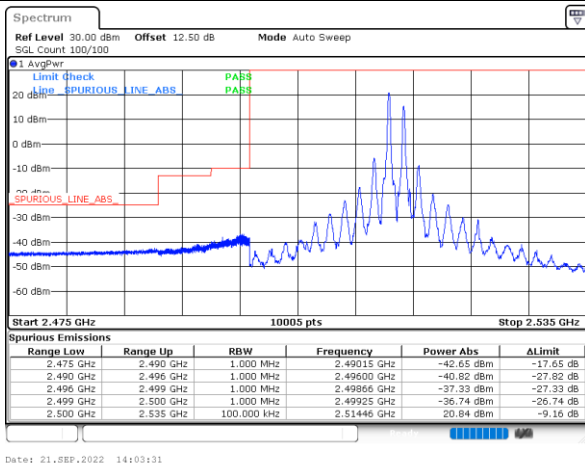
Lowest Band Edge / 1RB0 and 1RB99



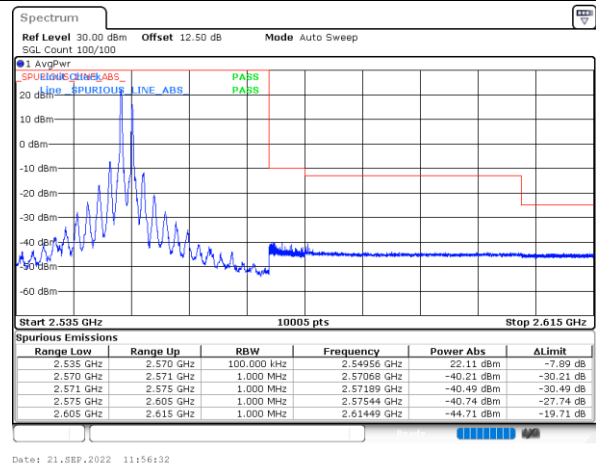
Highest Band Edge / 1RB0 and 1RB99



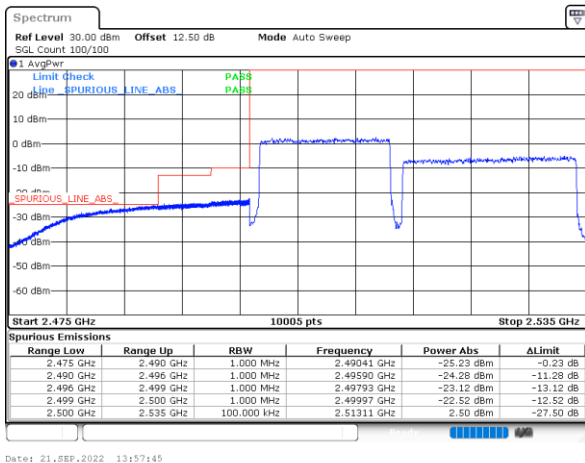
Lowest Band Edge / 1RB74 and 1RB0



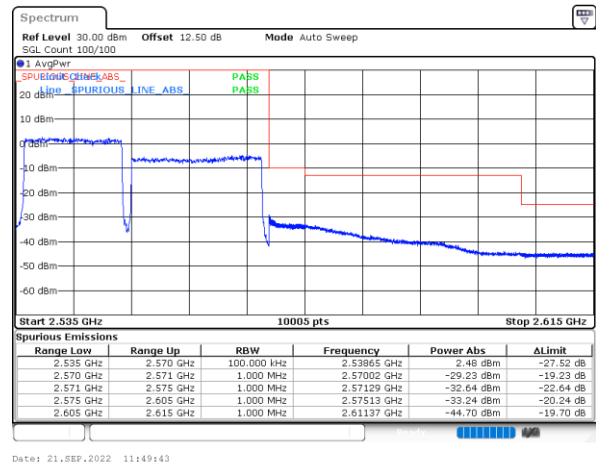
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

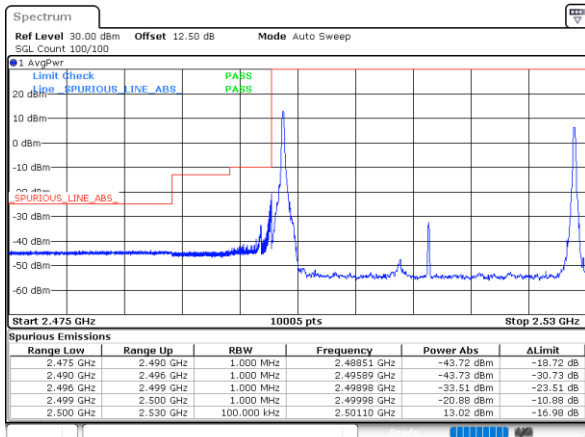




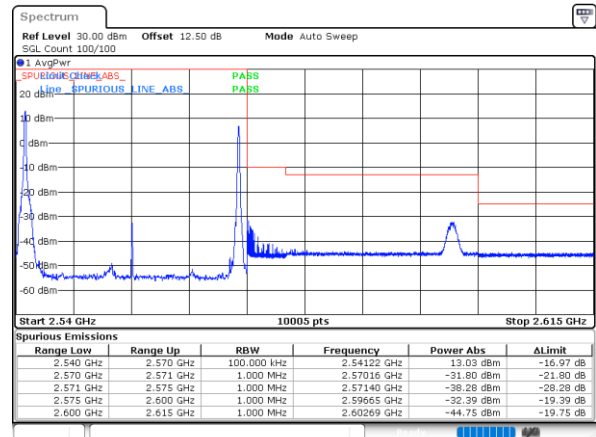
LTE Band 7C / 20MHz+10MHz

QPSK

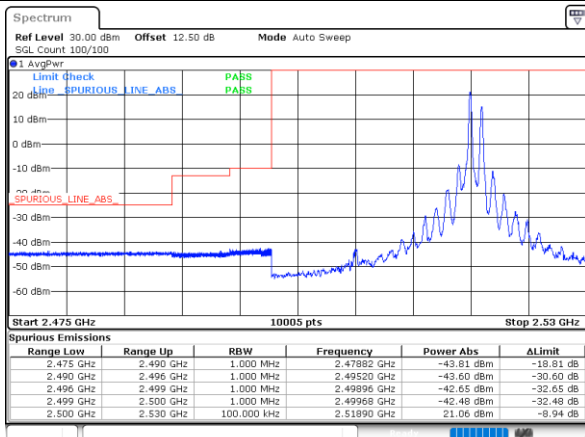
Lowest Band Edge / 1RB0 and 1RB49



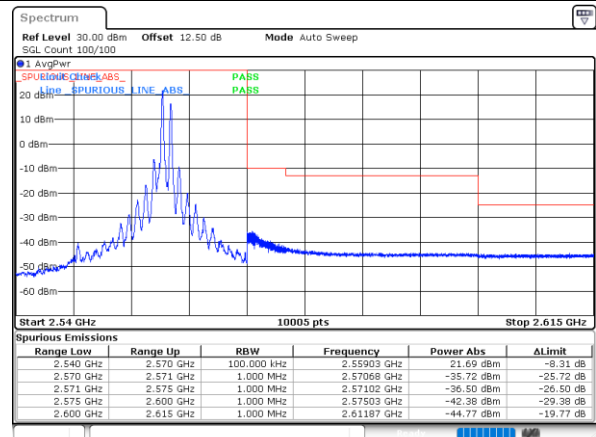
Highest Band Edge / 1RB0 and 1RB49



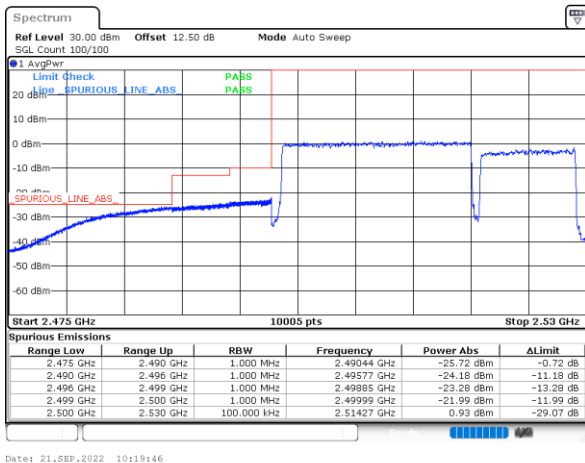
Lowest Band Edge / 1RB99 and 1RB0



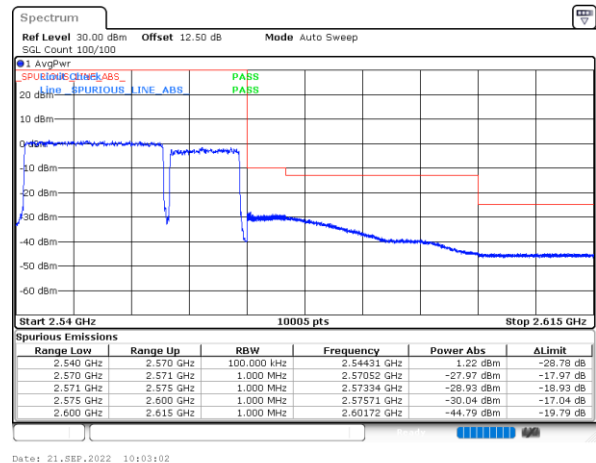
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

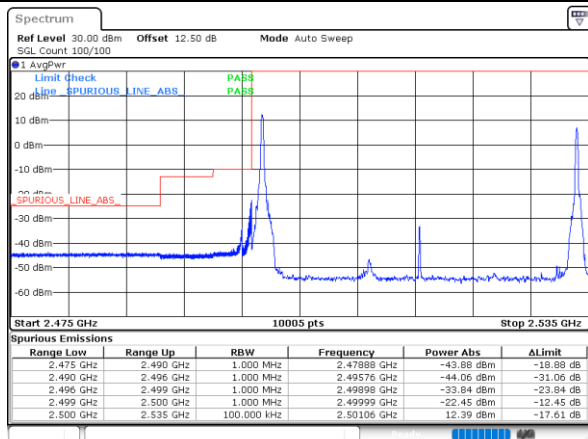




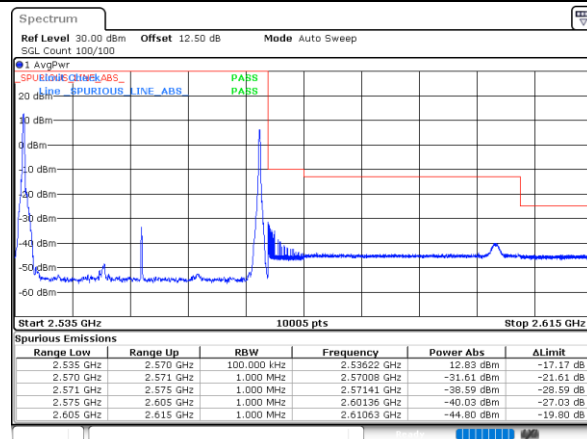
LTE Band 7C / 20MHz+15MHz

QPSK

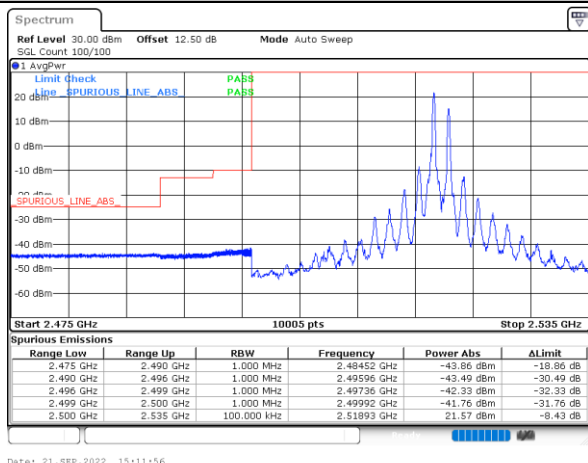
Lowest Band Edge / 1RB0 and 1RB74



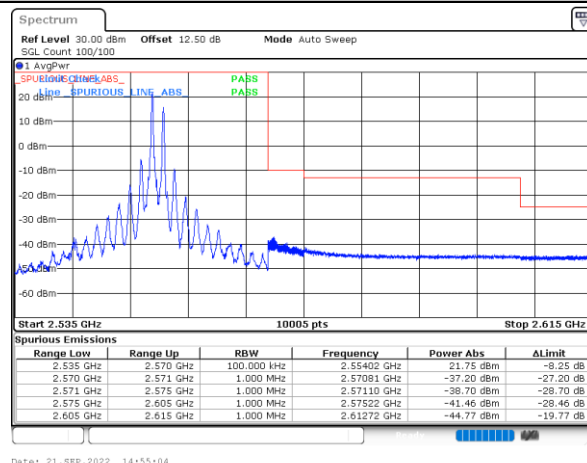
Highest Band Edge / 1RB0 and 1RB74



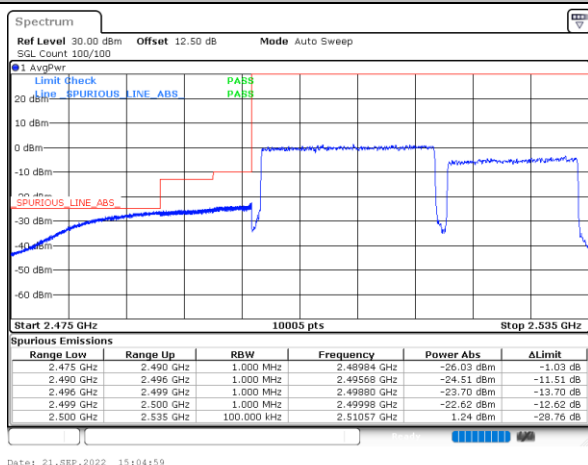
Lowest Band Edge / 1RB99 and 1RB0



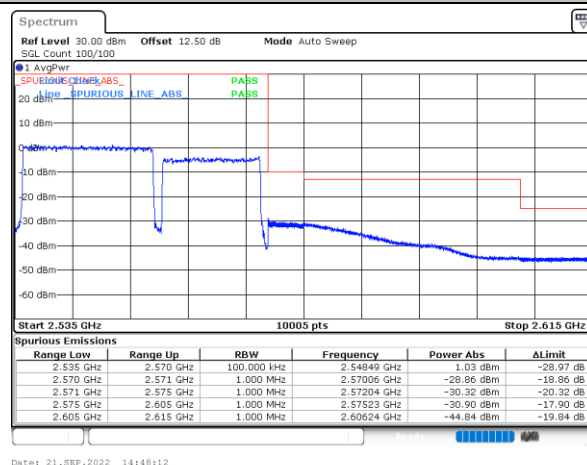
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

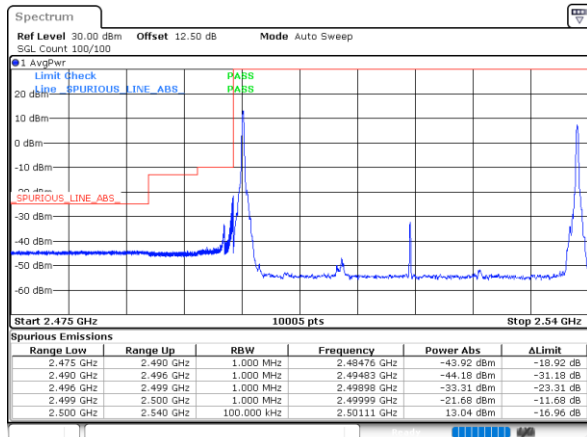




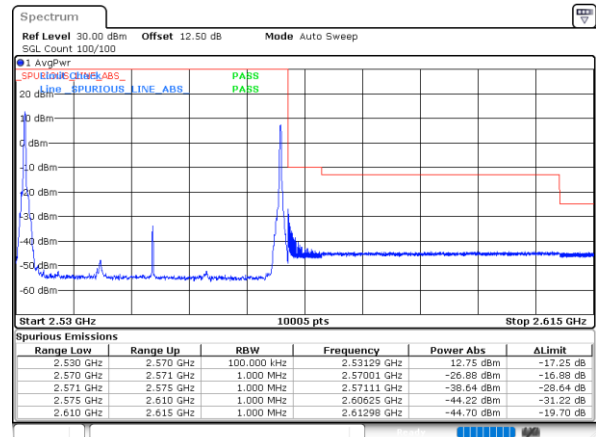
LTE Band 7C / 20MHz+20MHz

QPSK

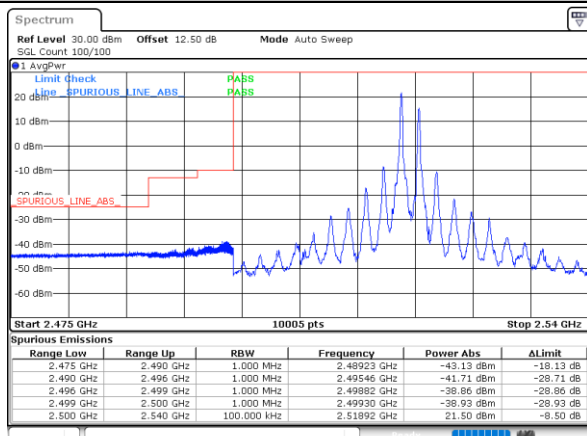
Lowest Band Edge / 1RB0 and 1RB99



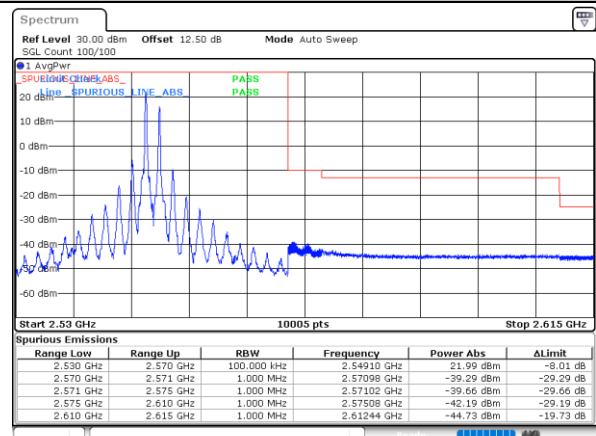
Highest Band Edge / 1RB0 and 1RB99



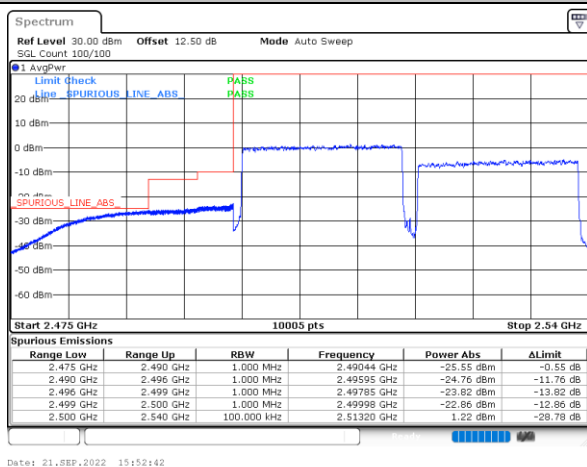
Lowest Band Edge / 1RB99 and 1RB0



Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

