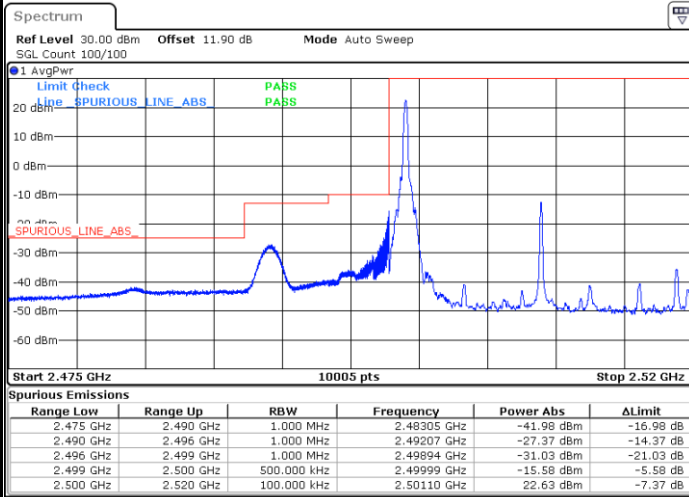


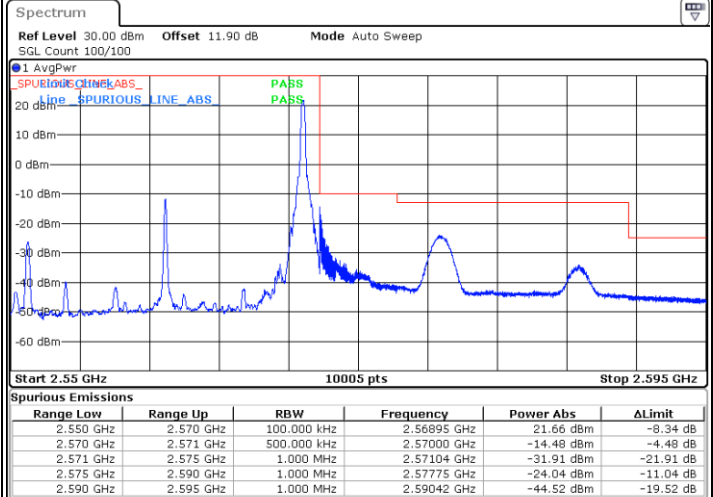


LTE Band 7 / 20MHz / QPSK

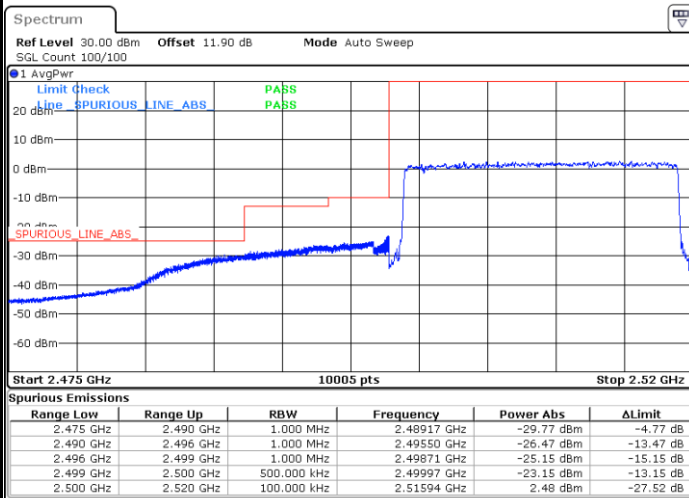
Lowest Band Edge / 1 RB



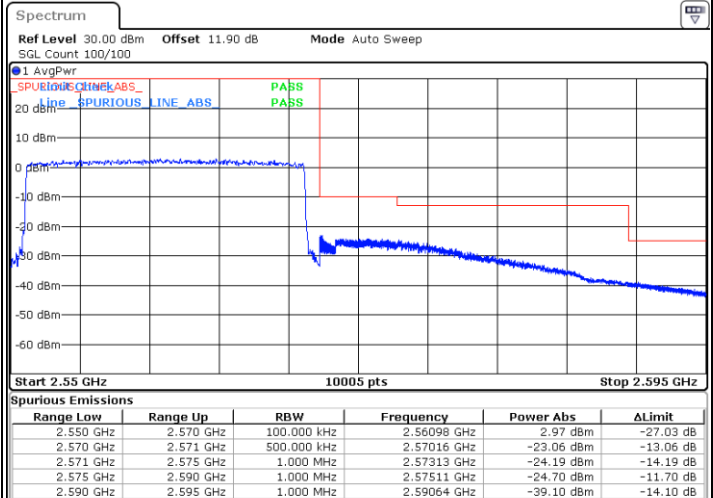
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



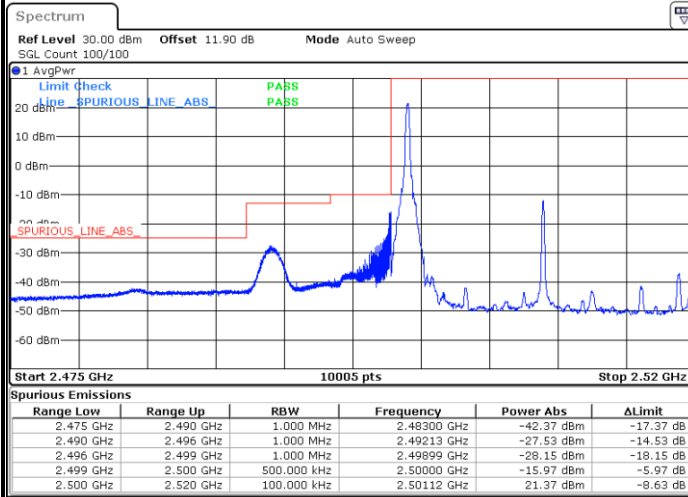
Highest Band Edge / Full RB



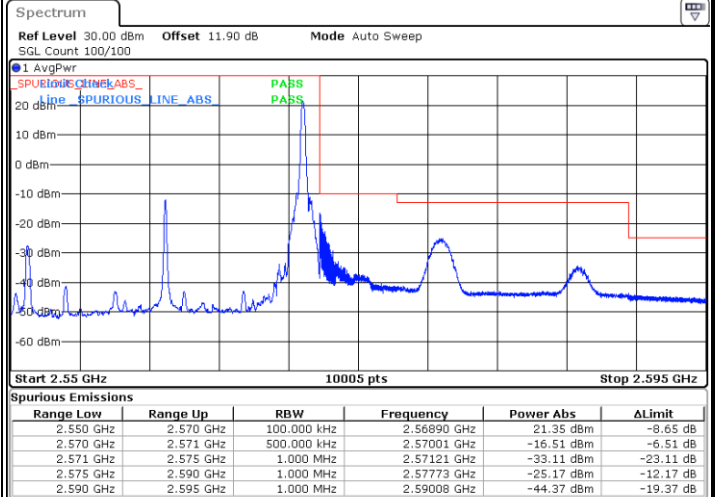


LTE Band 7 / 20MHz / 16QAM

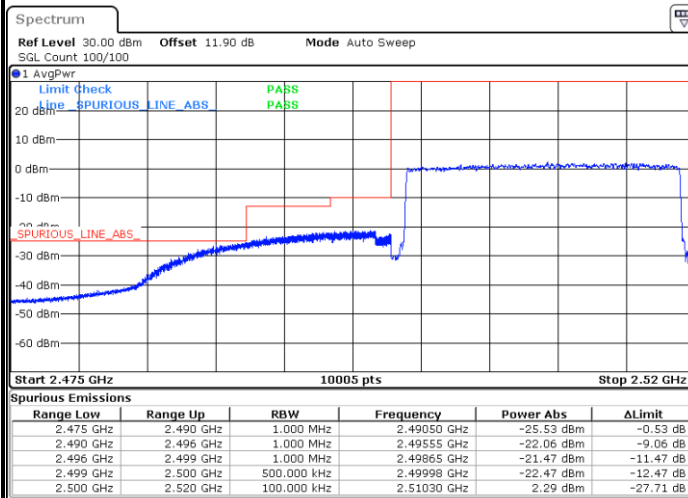
Lowest Band Edge / 1 RB



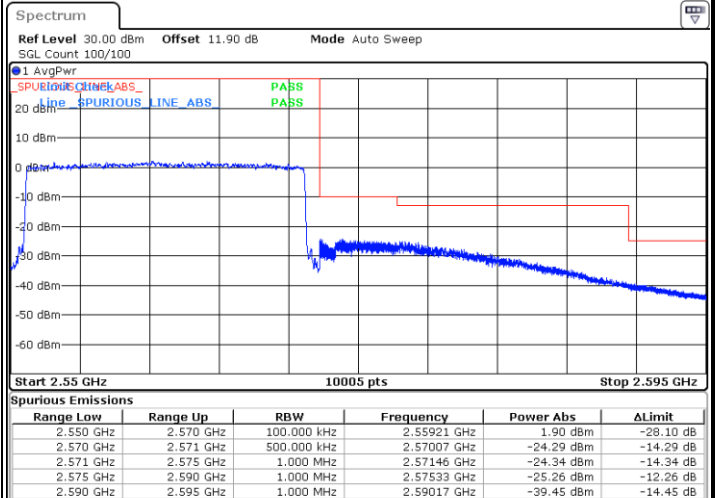
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

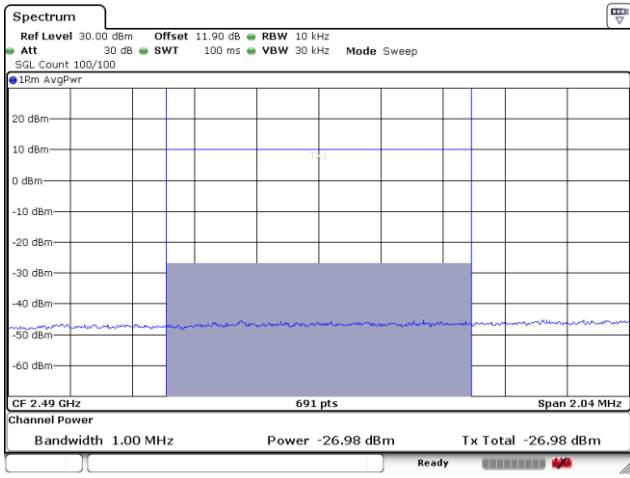


Highest Band Edge / Full RB





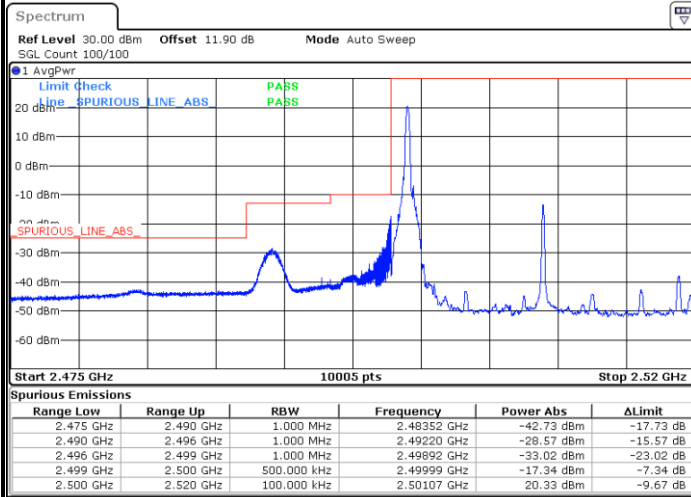
Channel power verify



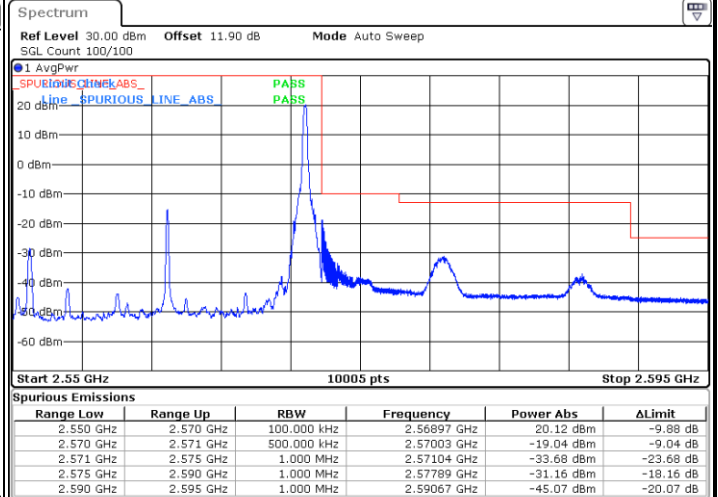


LTE Band 7 / 20MHz / 64QAM

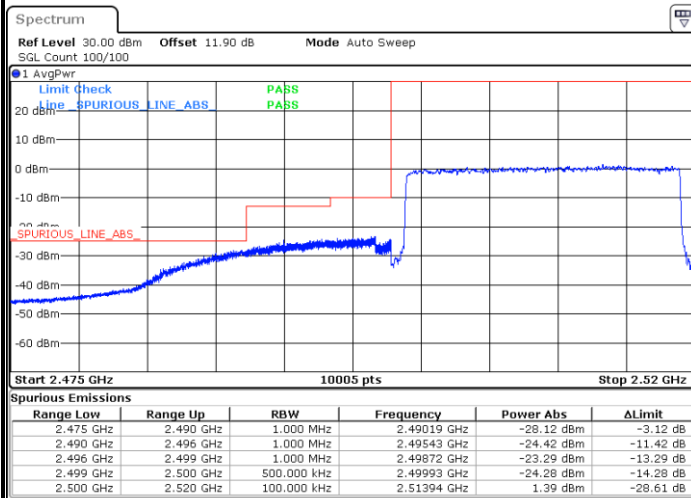
Lowest Band Edge / 1 RB



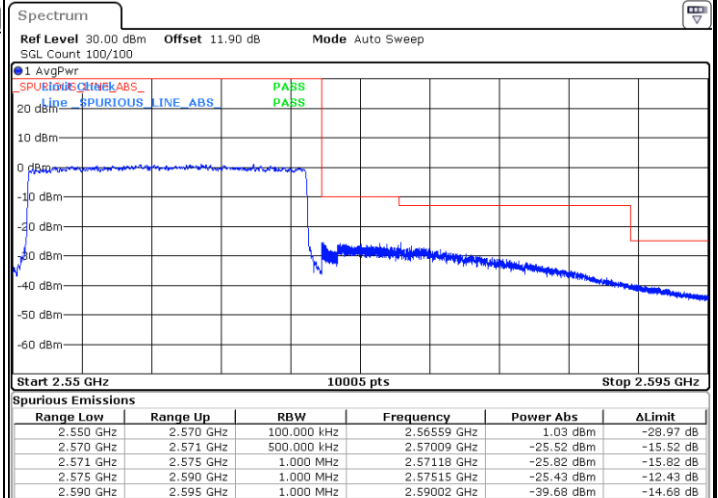
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



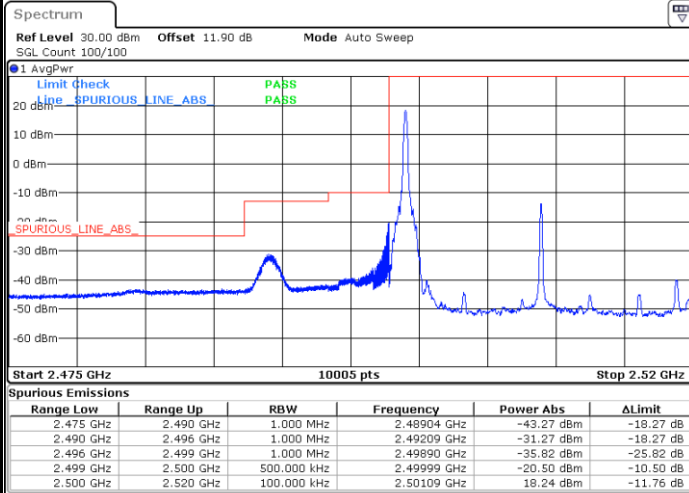
Highest Band Edge / Full RB



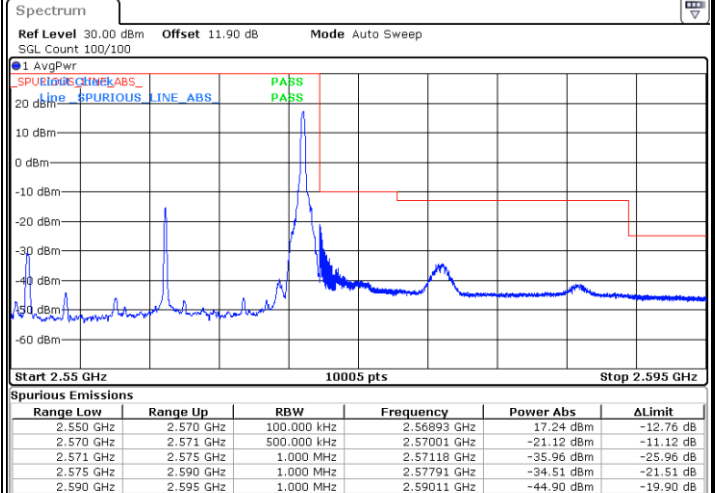


LTE Band 7 / 20MHz / 256QAM

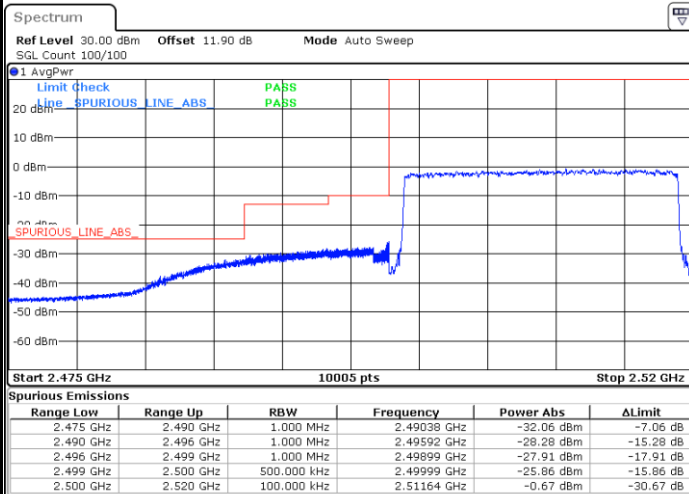
Lowest Band Edge / 1 RB



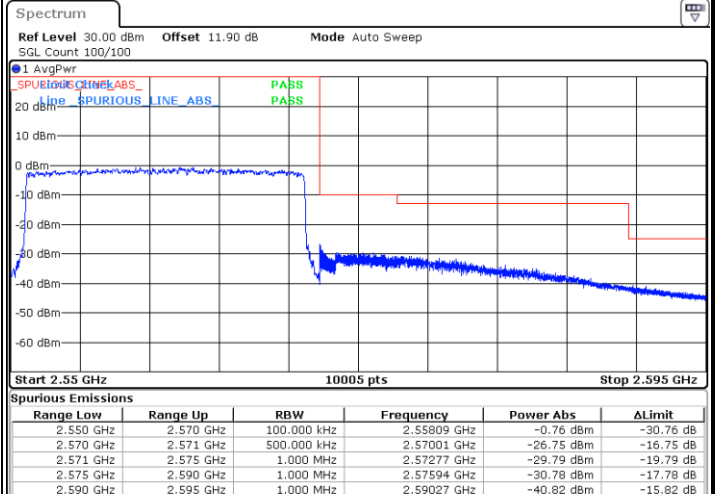
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

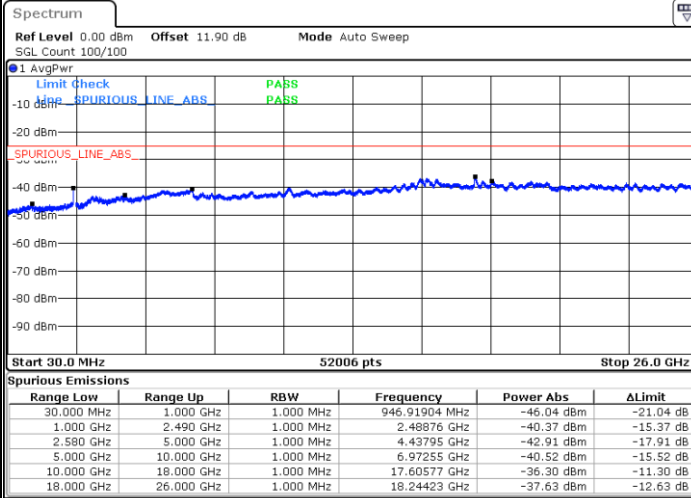




Conducted Spurious Emission

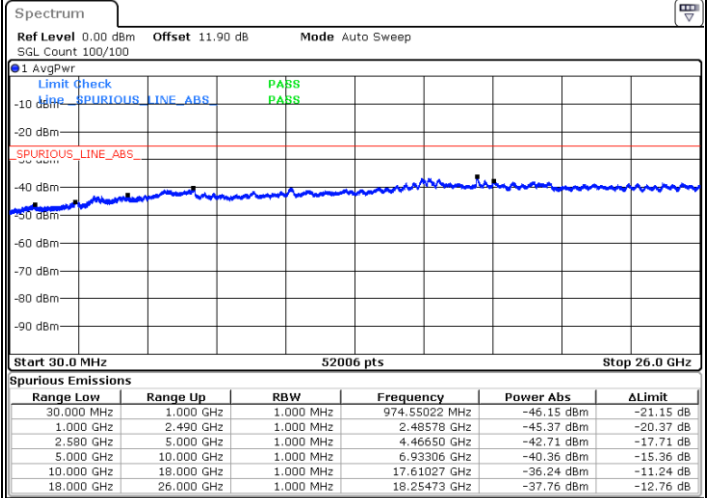
LTE Band 7 / 5MHz

Lowest Channel / QPSK



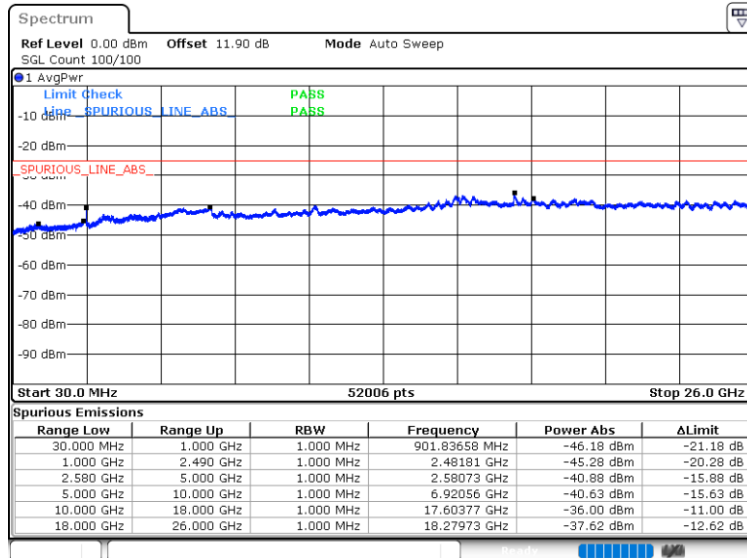
Date: 12.NOV.2021 09:57:22

Middle Channel / QPSK



Date: 12.NOV.2021 09:59:44

Highest Channel / QPSK

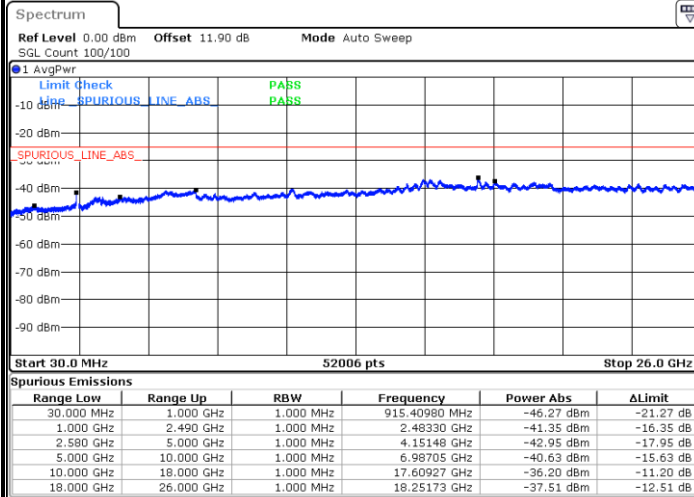


Date: 12.NOV.2021 10:02:26



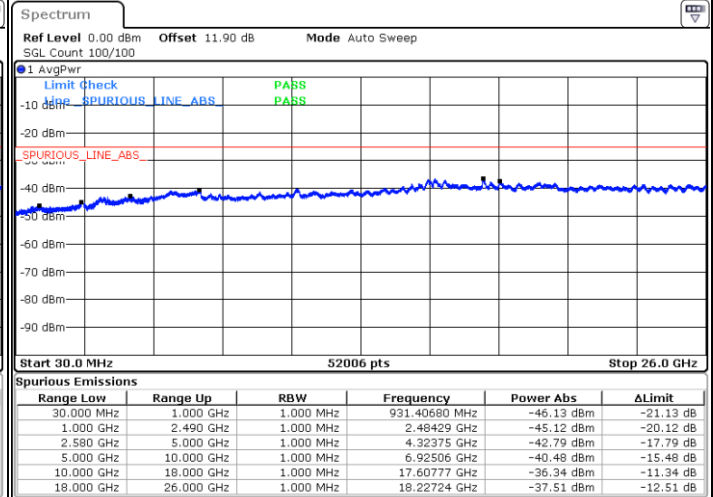
LTE Band 7 / 10MHz

Lowest Channel / QPSK



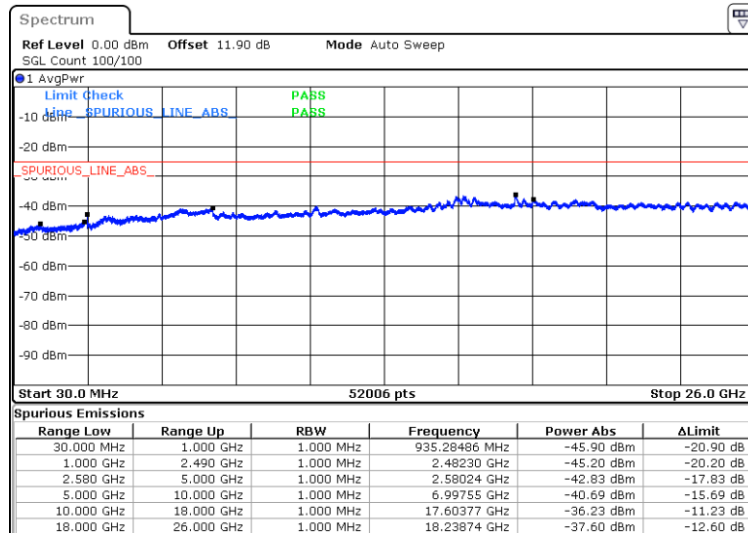
Date: 12.NOV.2021 10:07:49

Middle Channel / QPSK



Date: 12.NOV.2021 10:10:11

Highest Channel / QPSK

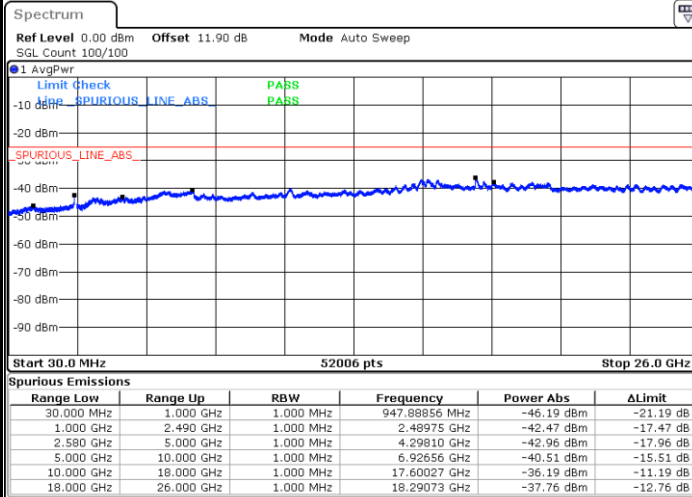


Date: 12.NOV.2021 10:12:53



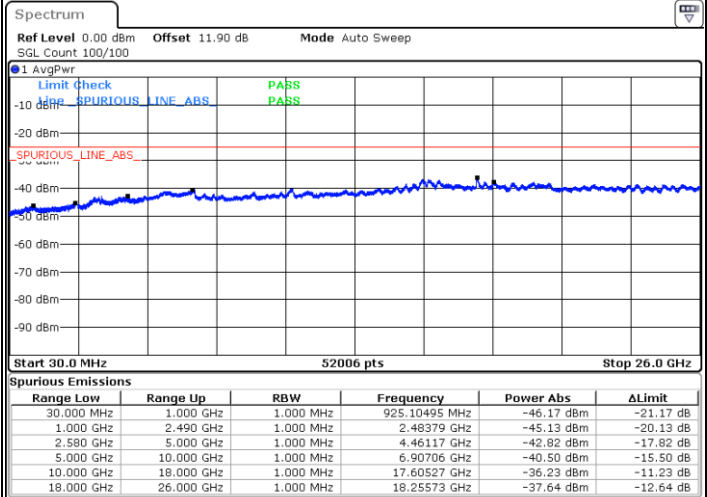
LTE Band 7 / 15MHz

Lowest Channel / QPSK



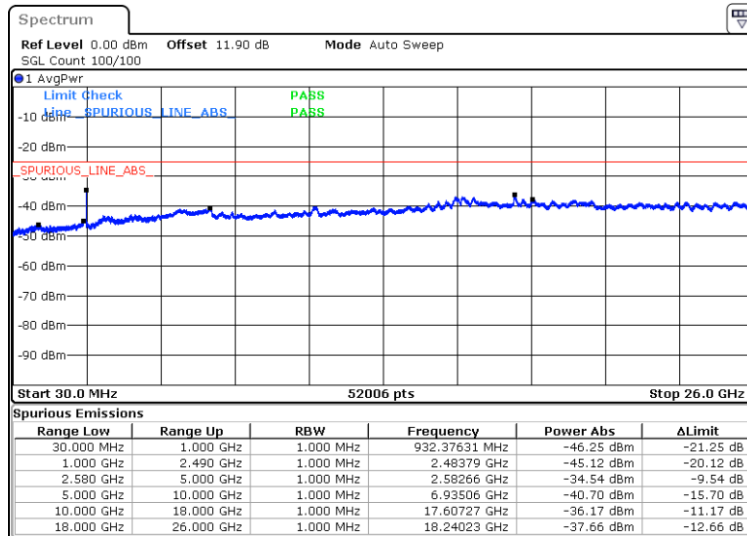
Date: 12.NOV.2021 10:18:17

Middle Channel / QPSK



Date: 12.NOV.2021 10:20:40

Highest Channel / QPSK

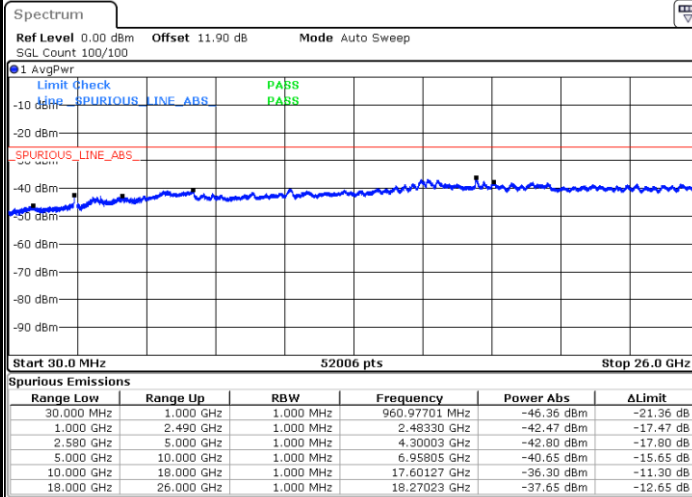


Date: 12.NOV.2021 10:23:22



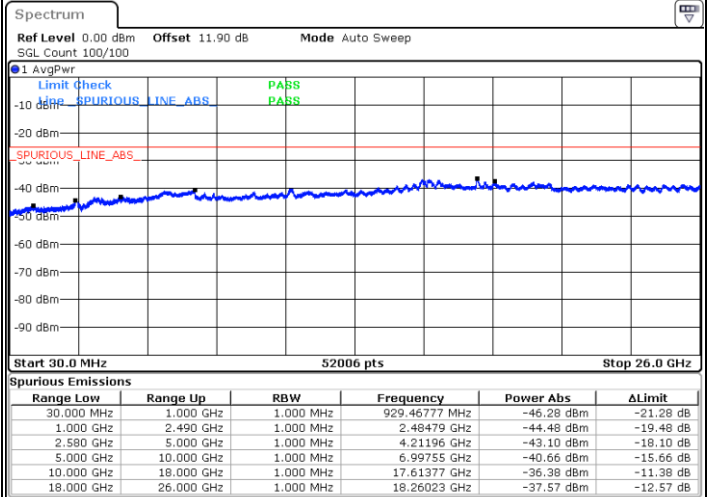
LTE Band 7 / 20MHz

Lowest Channel / QPSK



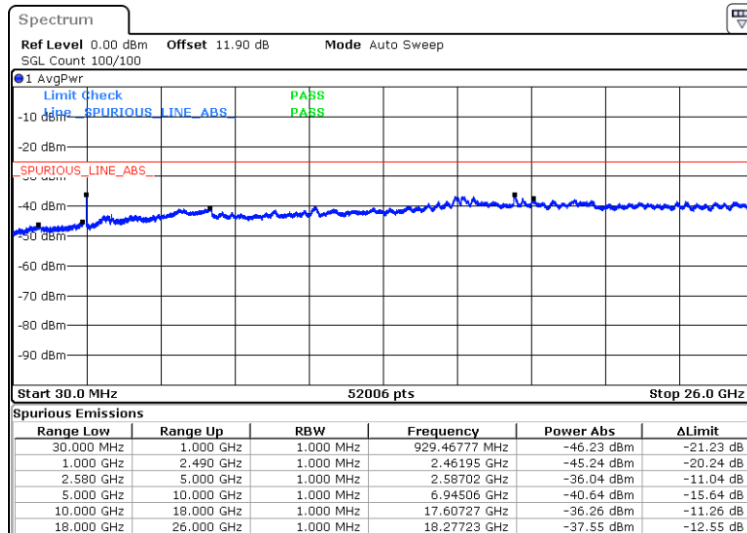
Date: 12.NOV.2021 10:31:05

Middle Channel / QPSK



Date: 12.NOV.2021 10:33:28

Highest Channel / QPSK



Date: 12.NOV.2021 10:36:09

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	0.0007	PASS
40	Normal Voltage	0.0058	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0074	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0060	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0039	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0064	

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 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.85	25.33	30.87	35.25
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.45	34.97	40.04	

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.79	25.52	30.57	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.83	40.20	

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.85	25.03	30.45	35.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.51	34.97	39.72	

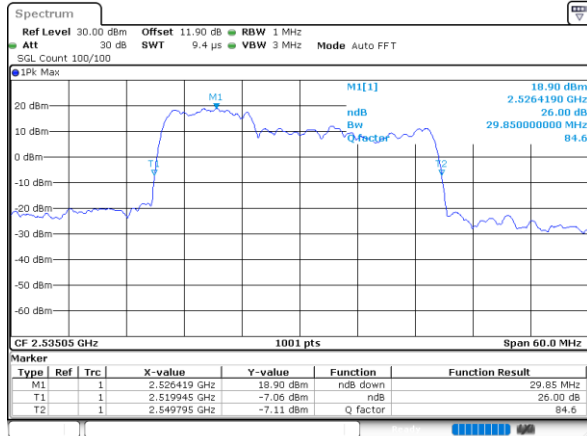
Mode	LTE Band 7C : 26dB BW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.91	25.28	30.51	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.83	39.72	



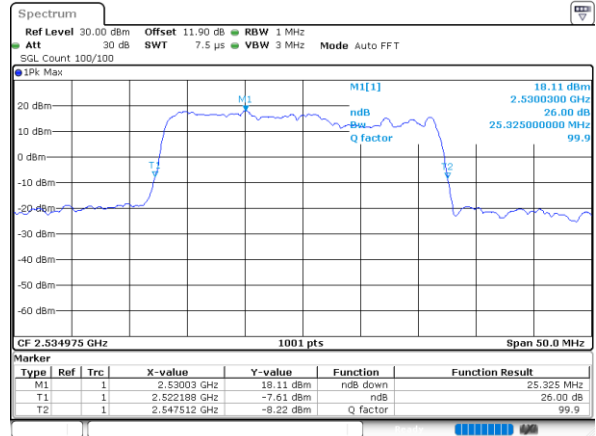
LTE Band 7C

QPSK

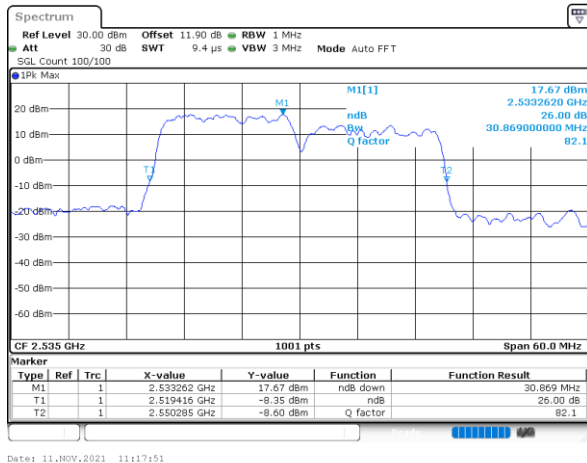
Middle Channel / 10MHz+20MHz



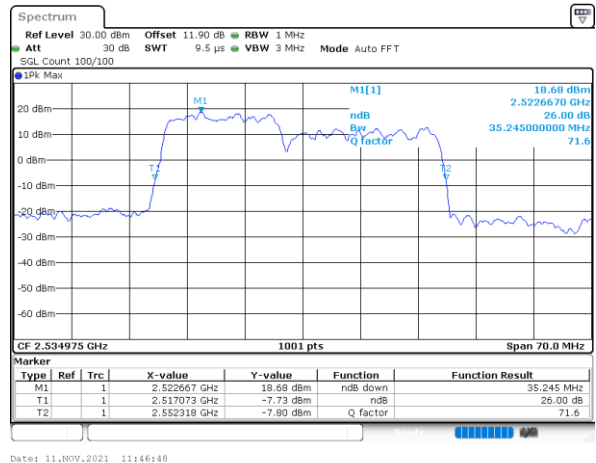
Middle Channel / 15MHz+10MHz



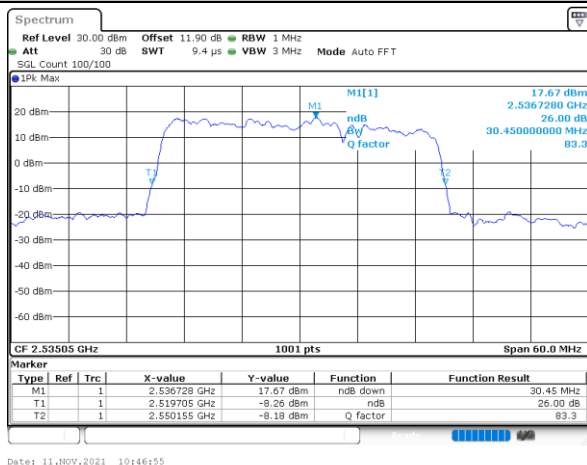
Middle Channel / 15MHz+15MHz



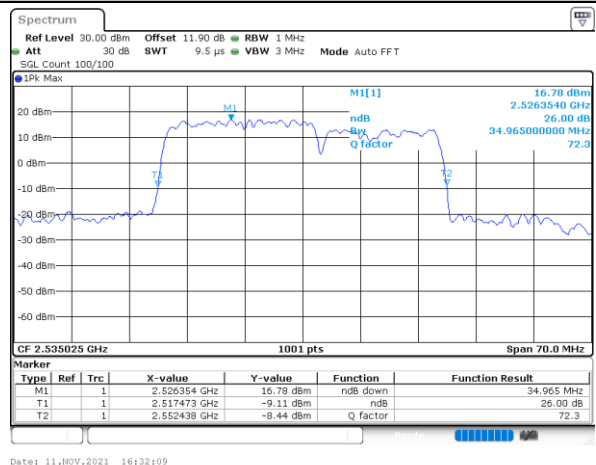
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



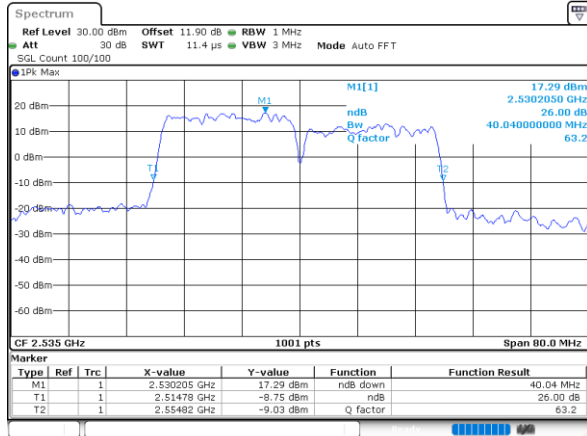


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

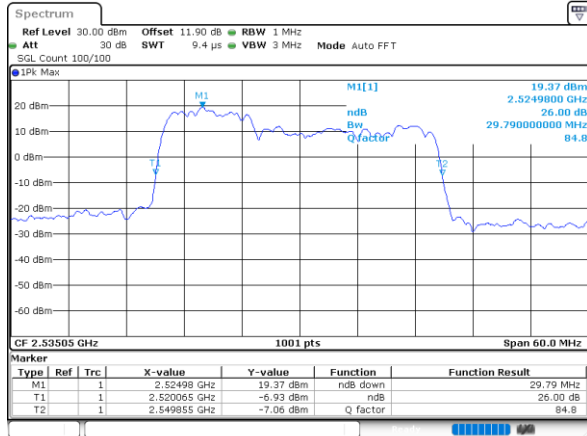




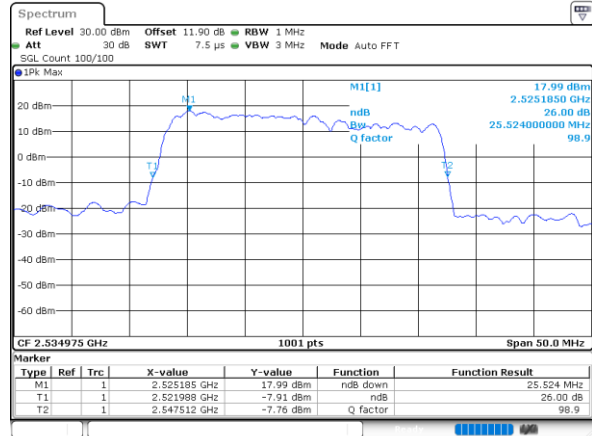
LTE Band 7C

16QAM

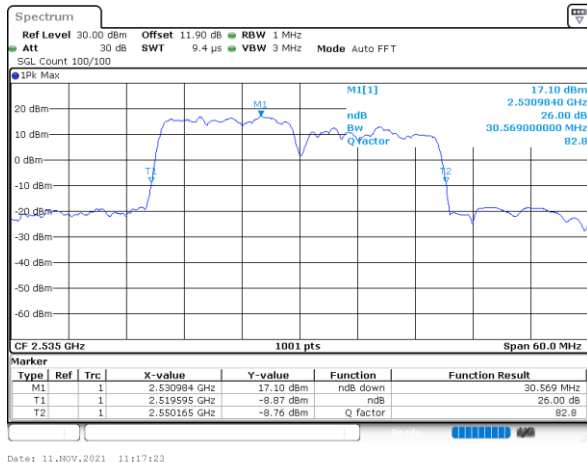
Middle Channel / 10MHz+20MHz



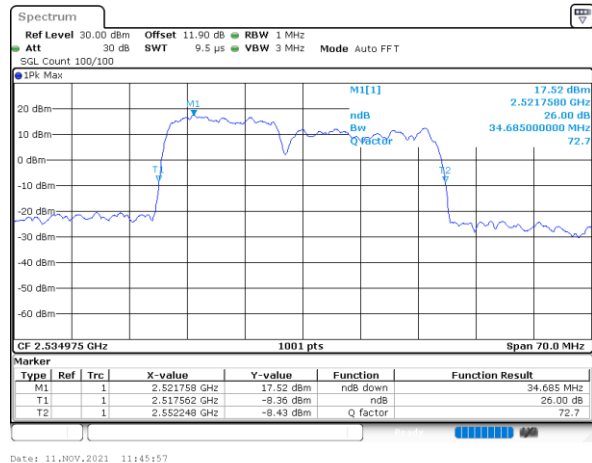
Middle Channel / 15MHz+10MHz



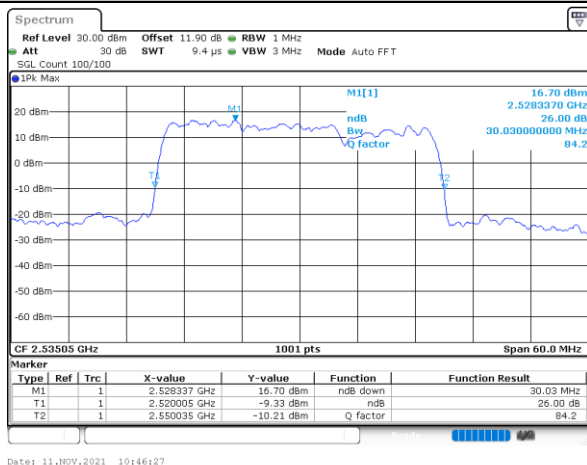
Middle Channel / 15MHz+15MHz



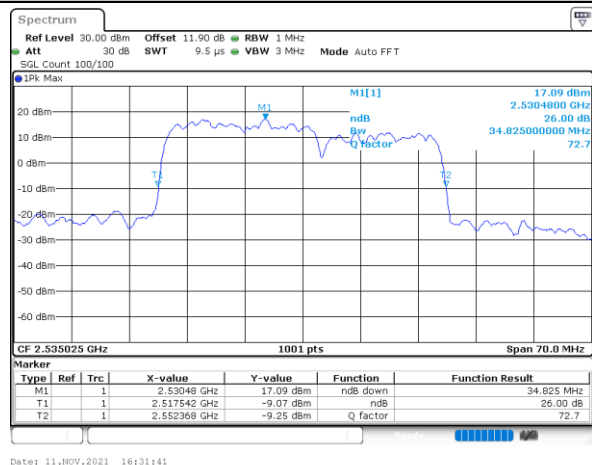
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



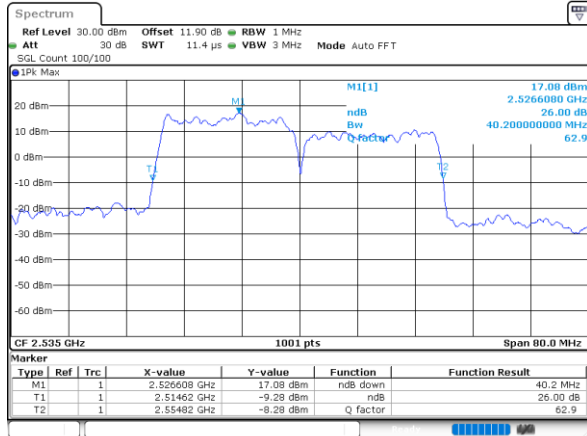


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A

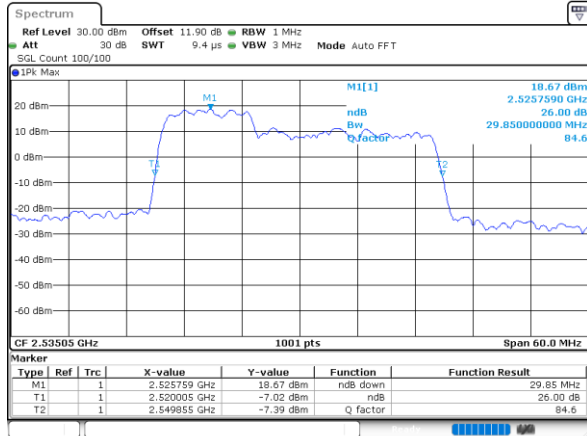




LTE Band 7C

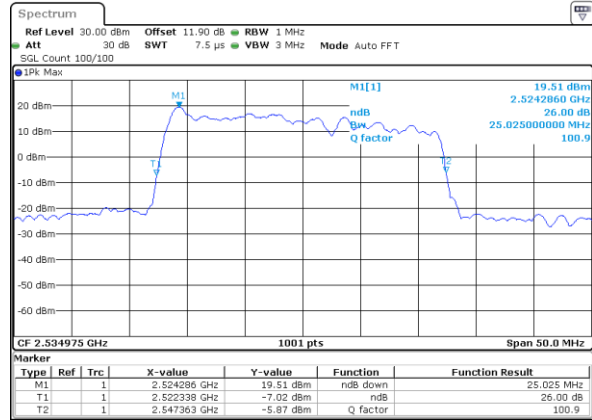
64QAM

Middle Channel / 10MHz+20MHz



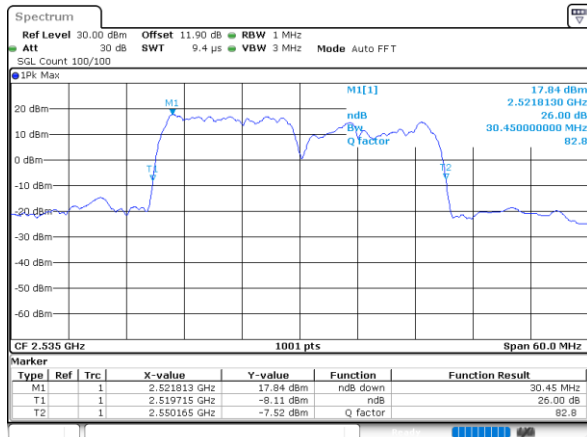
Date: 11.NOV.2021 10:15:07

Middle Channel / 15MHz+10MHz



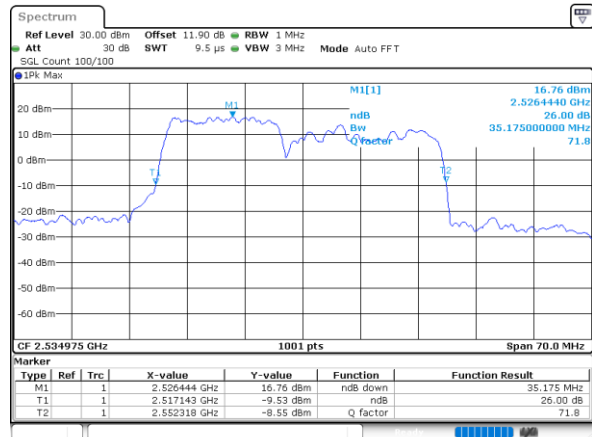
Date: 11.NOV.2021 16:51:42

Middle Channel / 15MHz+15MHz



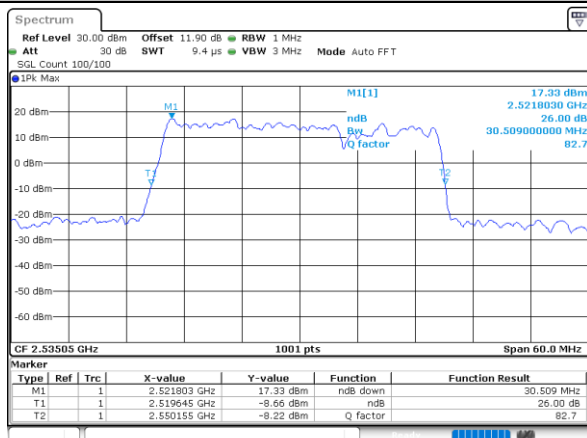
Date: 11.NOV.2021 11:16:55

Middle Channel / 15MHz+20MHz



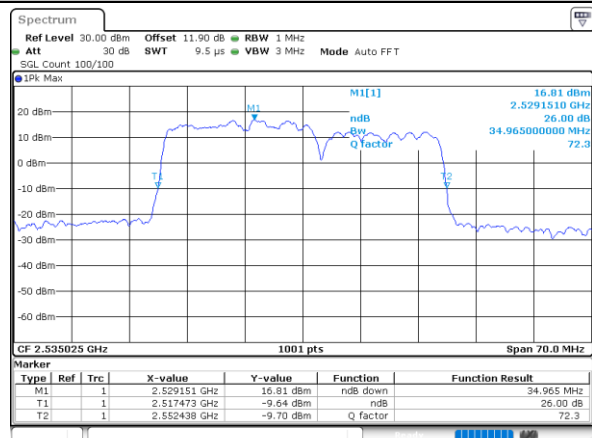
Date: 11.NOV.2021 11:45:29

Middle Channel / 20MHz+10MHz



Date: 11.NOV.2021 10:45:59

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2021 16:31:13

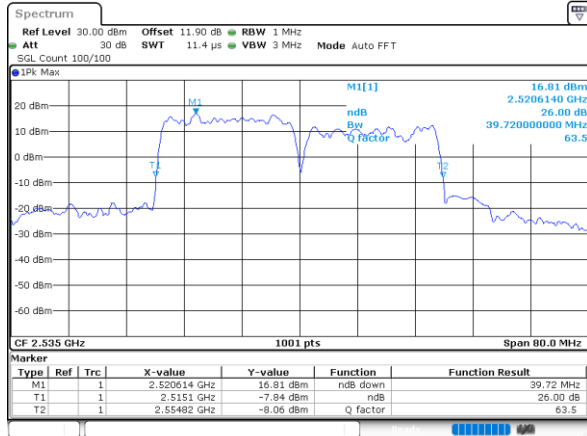


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A

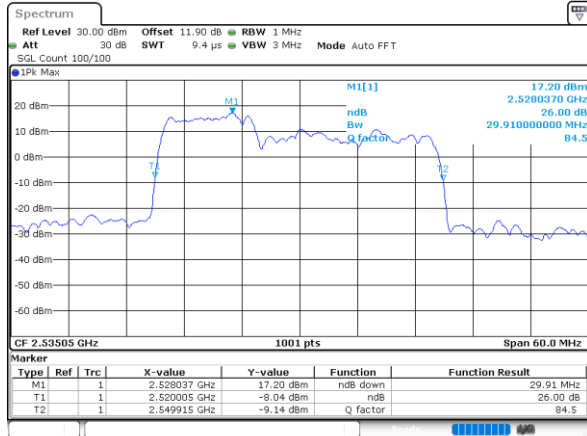




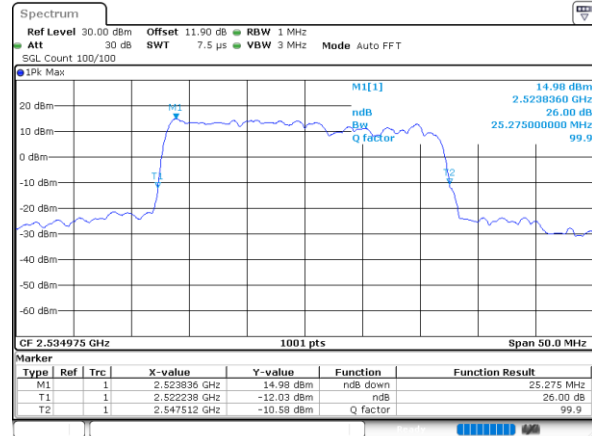
LTE Band 7C

256QAM

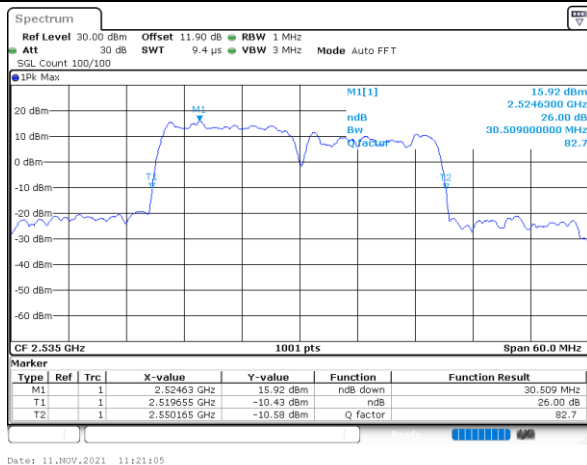
Middle Channel / 10MHz+20MHz



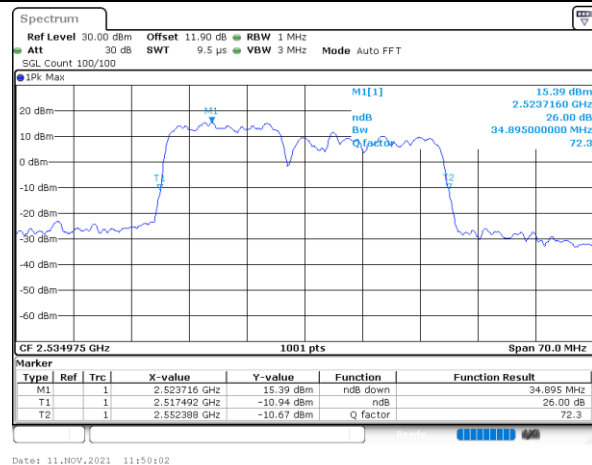
Middle Channel / 15MHz+10MHz



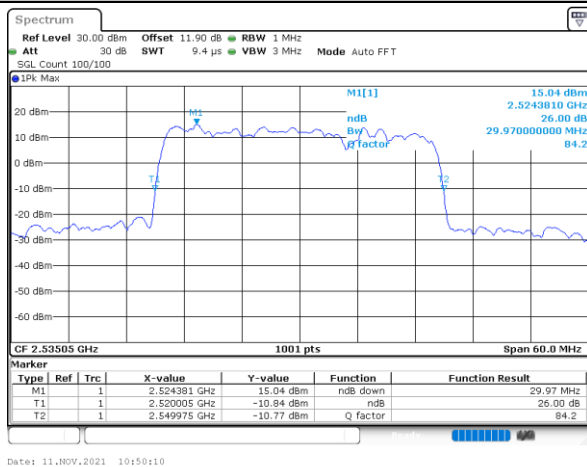
Middle Channel / 15MHz+15MHz



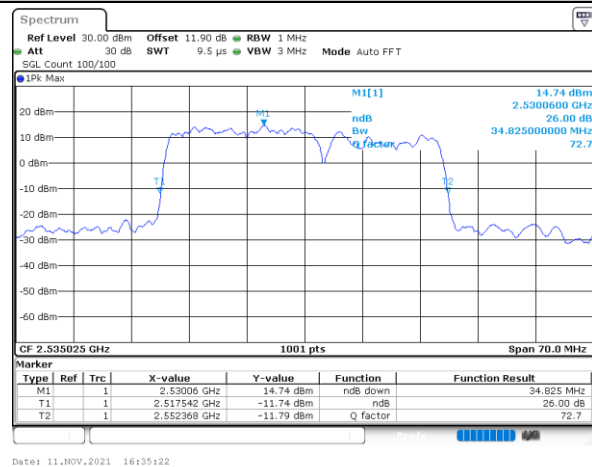
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



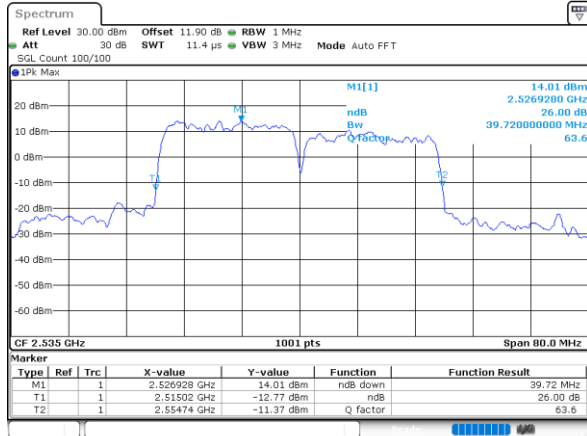


LTE Band 7C

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	23.33	28.71	32.73
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	33.01	37.56	

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.81	23.48	28.41	32.66
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	32.80	37.56	

Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.99	23.43	28.35	33.01
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.17	32.87	37.64	

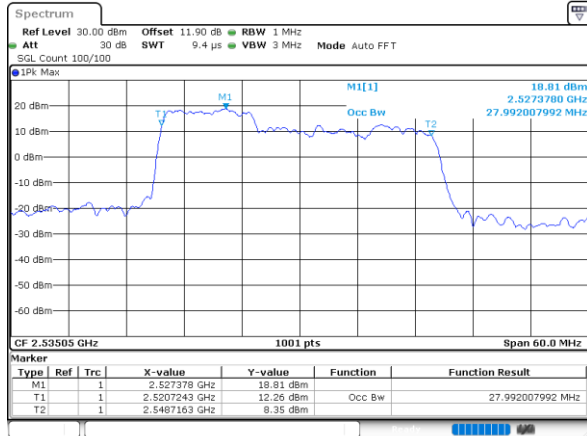
Mode	LTE Band 7C : 99%OBW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.75	23.38	28.65	33.01
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	32.94	37.72	



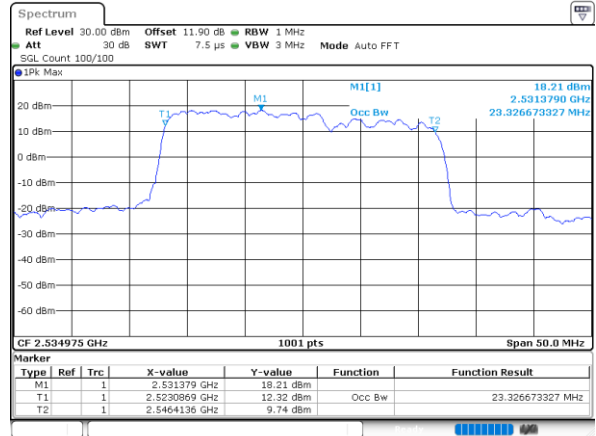
LTE Band 7C

QPSK

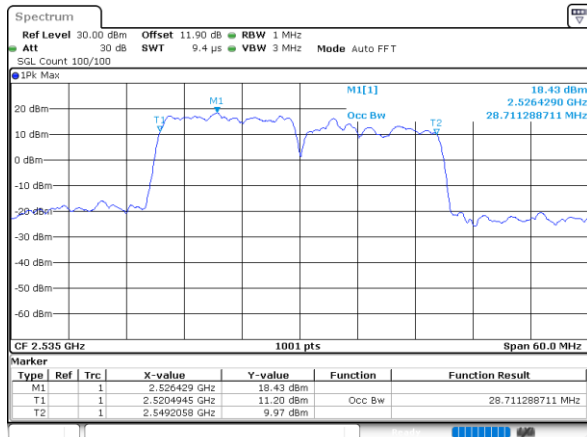
Middle Channel / 10MHz+20MHz



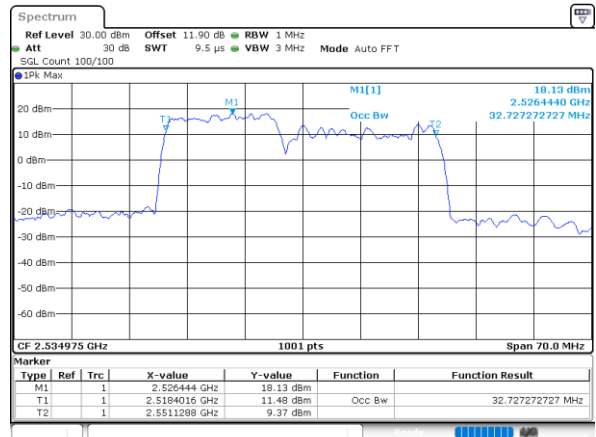
Middle Channel / 15MHz+10MHz



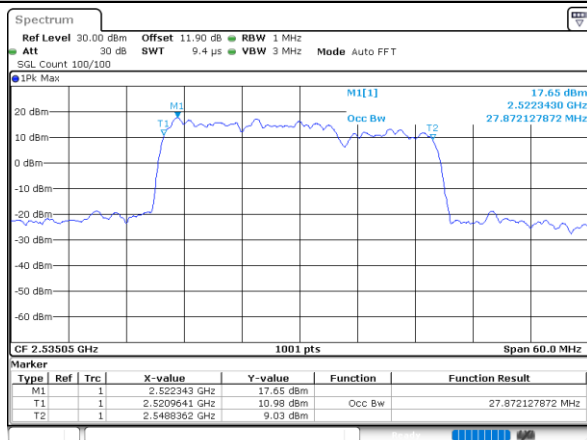
Middle Channel / 15MHz+15MHz



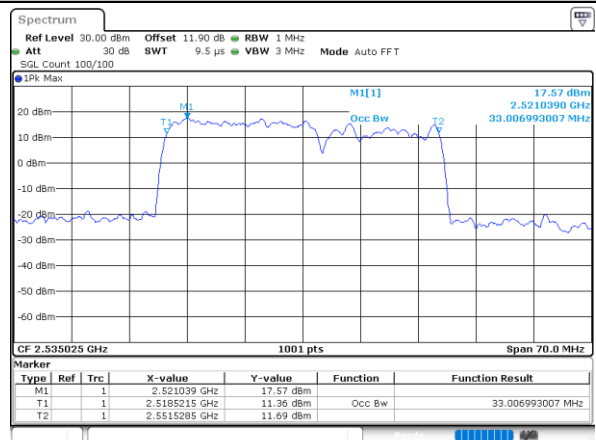
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



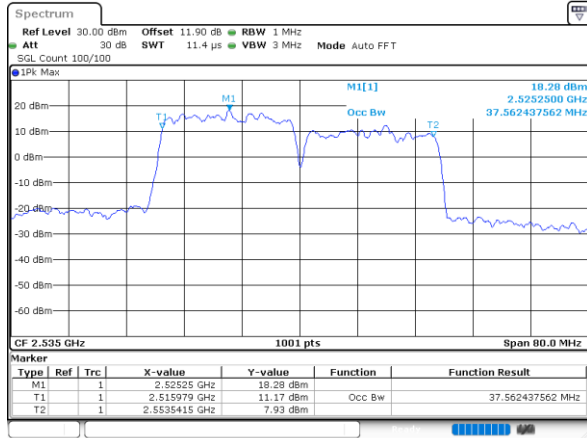


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

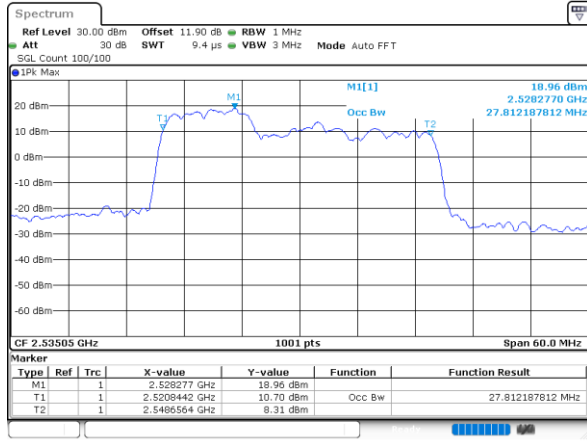




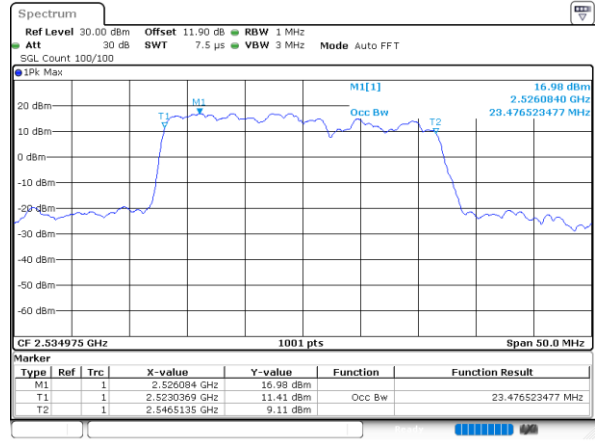
LTE Band 7C

16QAM

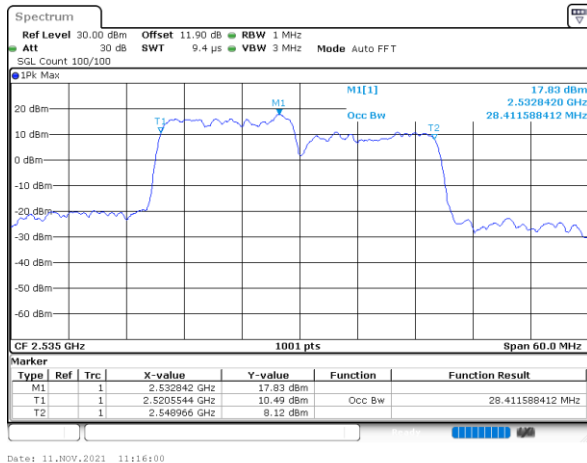
Middle Channel / 10MHz+20MHz



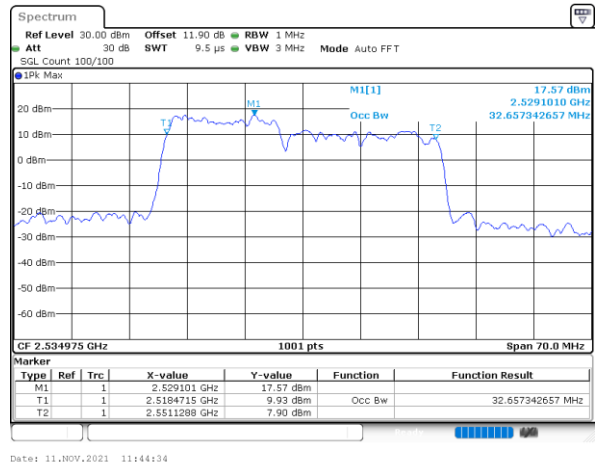
Middle Channel / 15MHz+10MHz



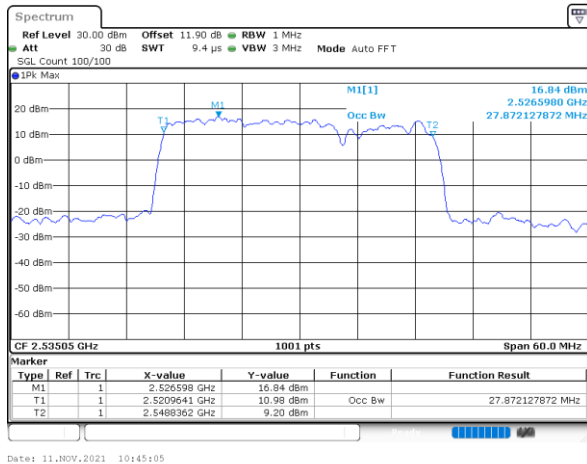
Middle Channel / 15MHz+15MHz



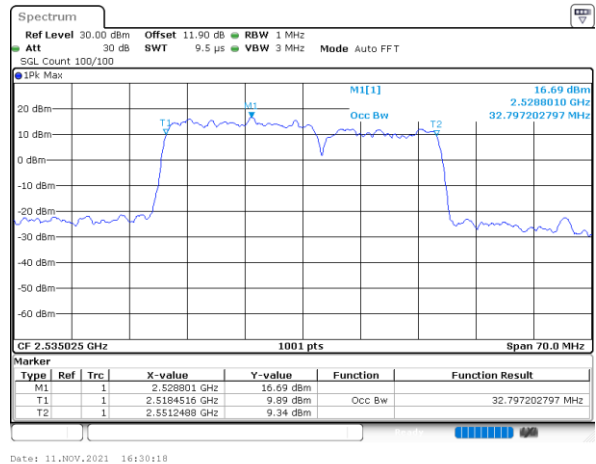
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



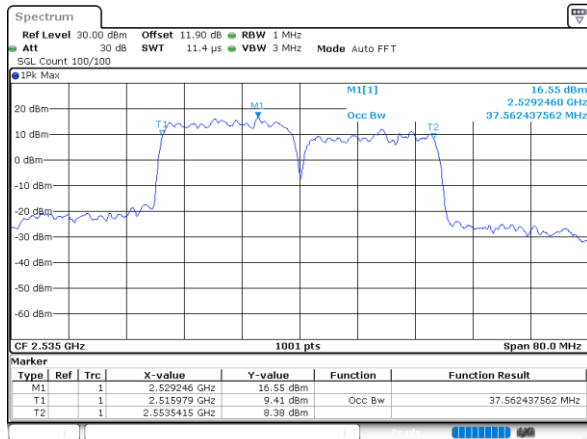


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A

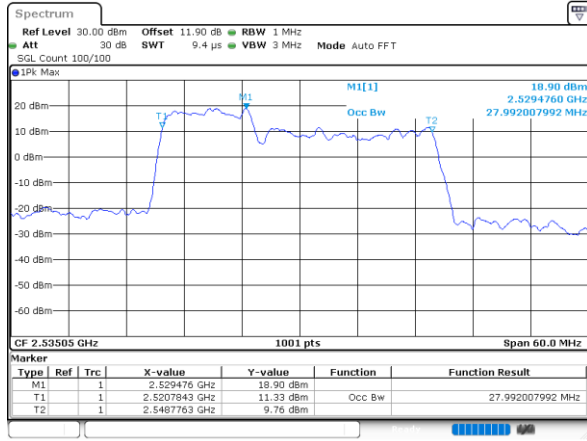




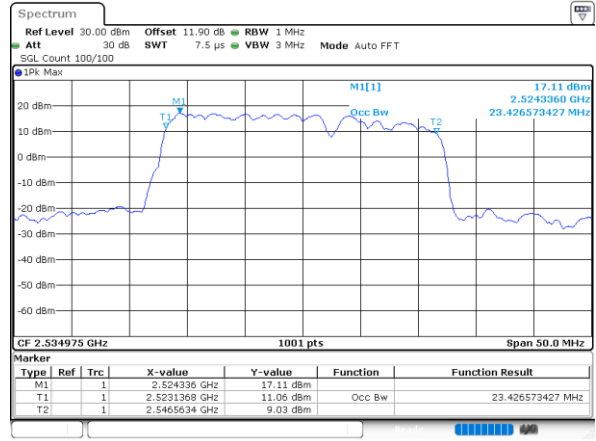
LTE Band 7C

64QAM

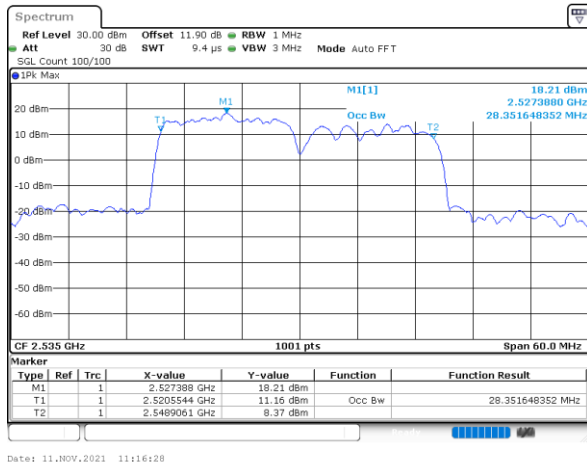
Middle Channel / 10MHz+20MHz



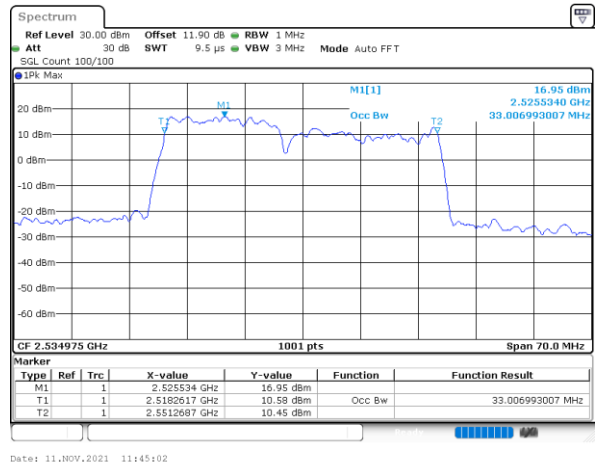
Middle Channel / 15MHz+10MHz



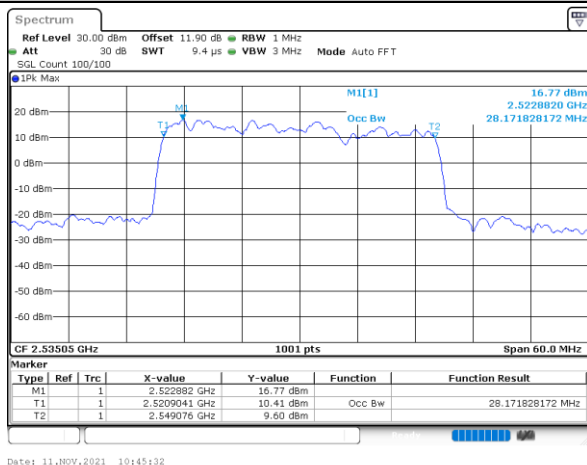
Middle Channel / 15MHz+15MHz



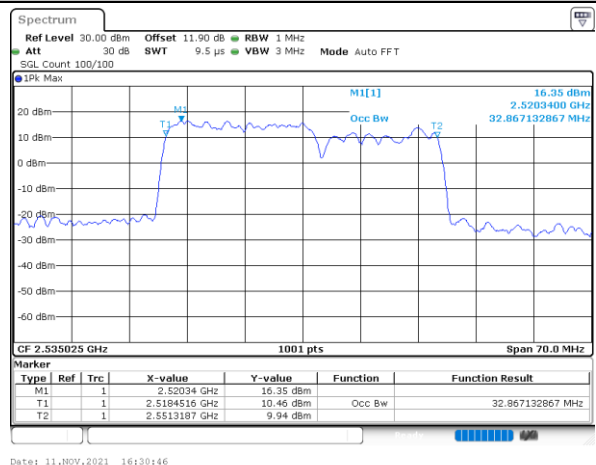
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



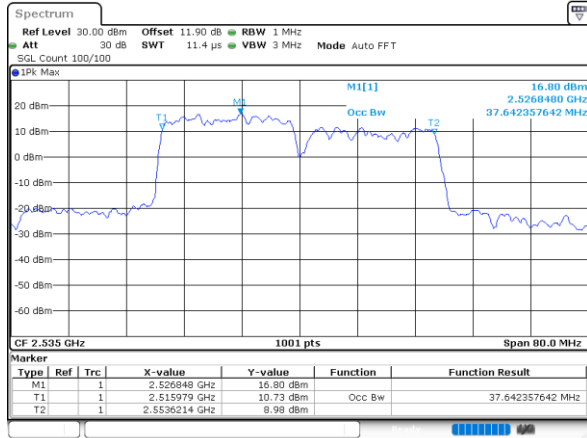


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A

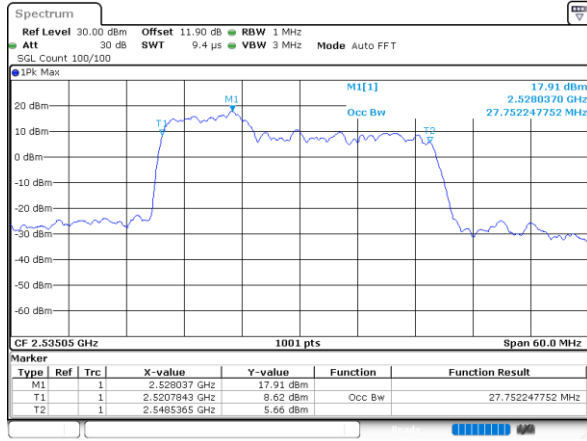




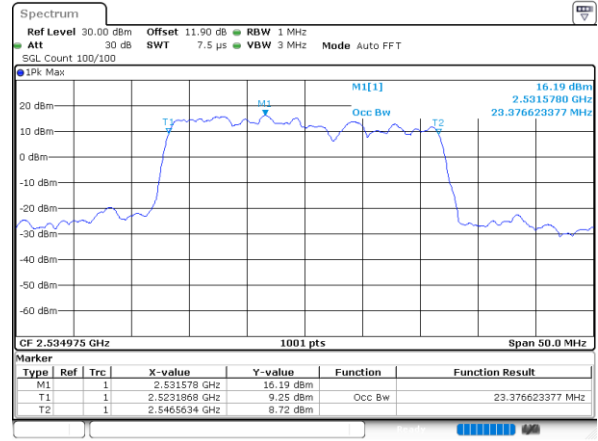
LTE Band 7C

256QAM

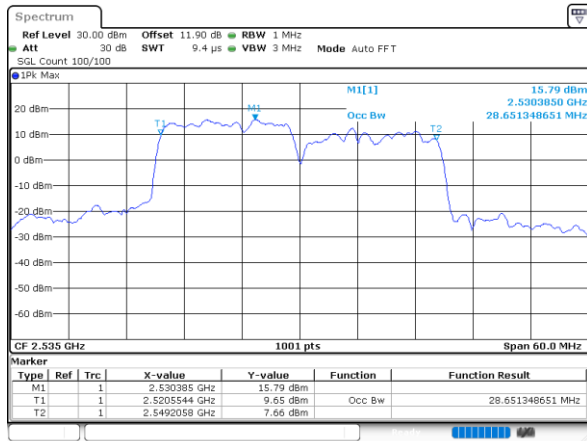
Middle Channel / 10MHz+20MHz



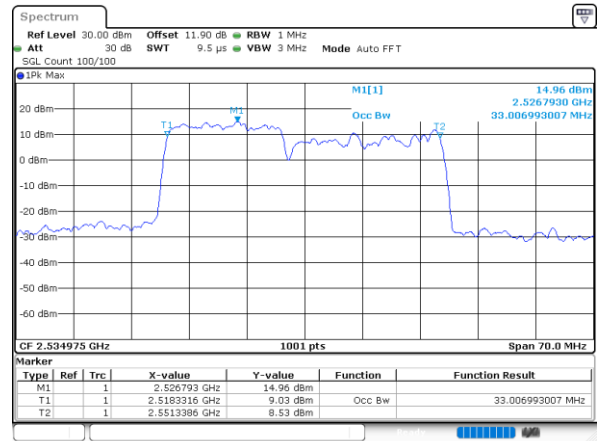
Middle Channel / 15MHz+10MHz



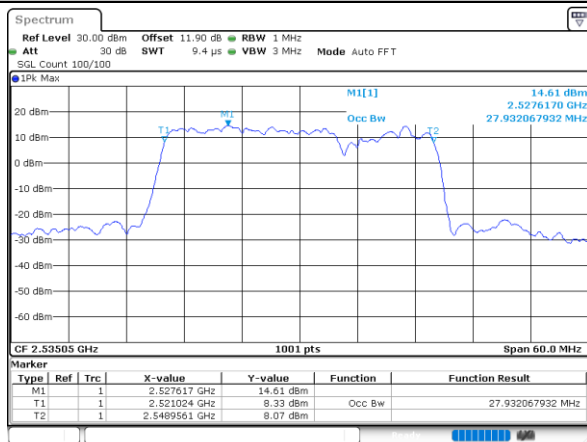
Middle Channel / 15MHz+15MHz



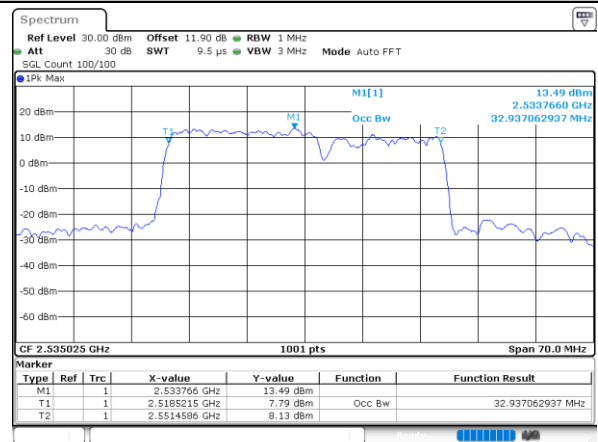
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



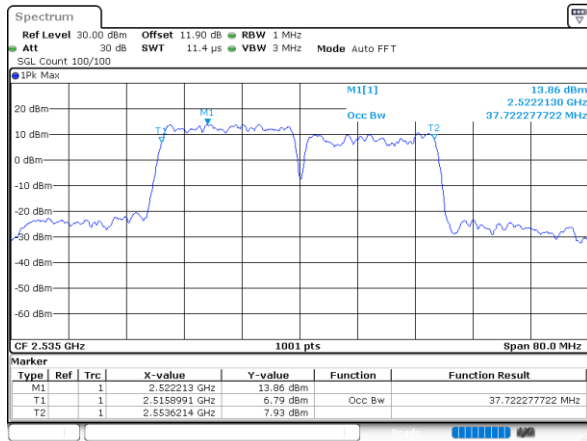


LTE Band 7C

256QAM

Middle Channel / 20MHz+20MHz

N/A



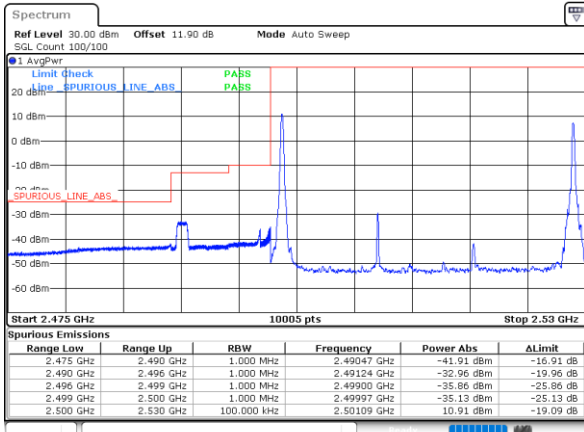


Conducted Band Edge

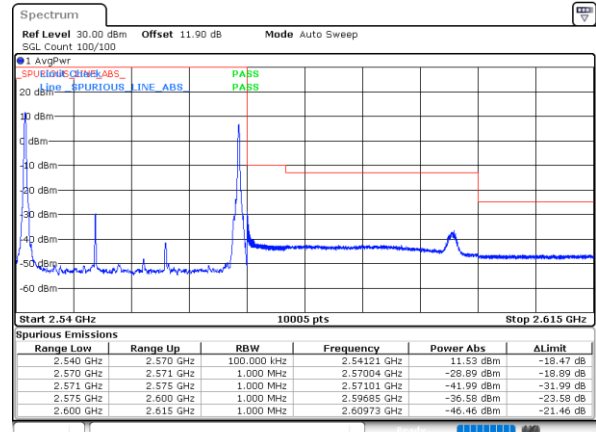
LTE Band 7C / 10MHz+20MHz

QPSK

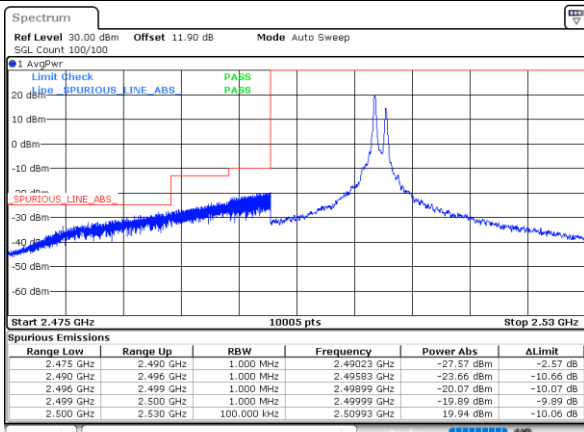
Lowest Band Edge / 1RB0 and 1RB99



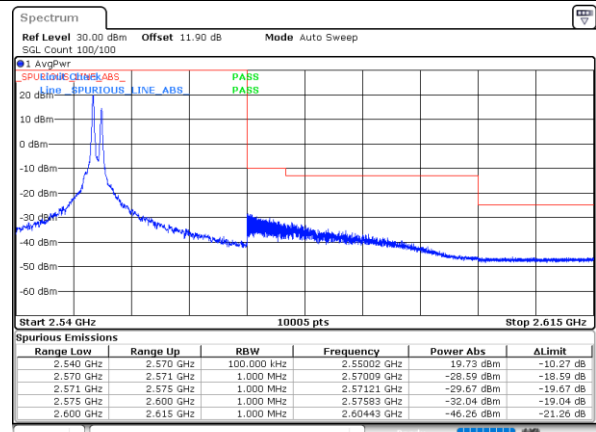
Highest Band Edge / 1RB0 and 1RB99



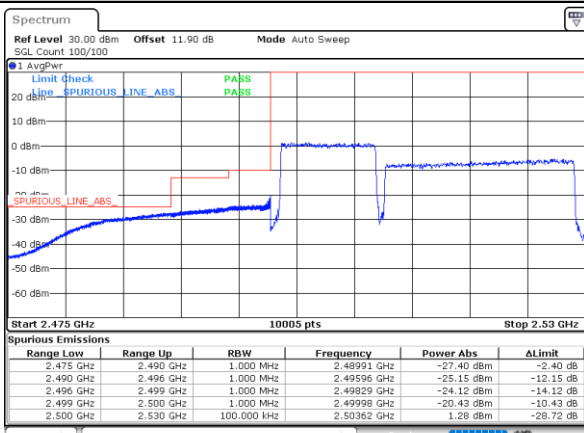
Lowest Band Edge / 1RB49 and 1RB0



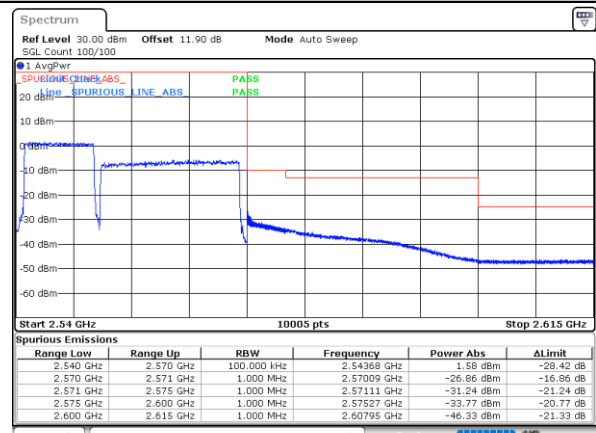
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

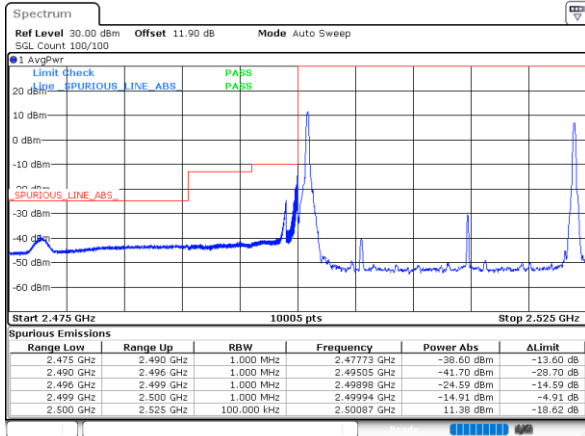




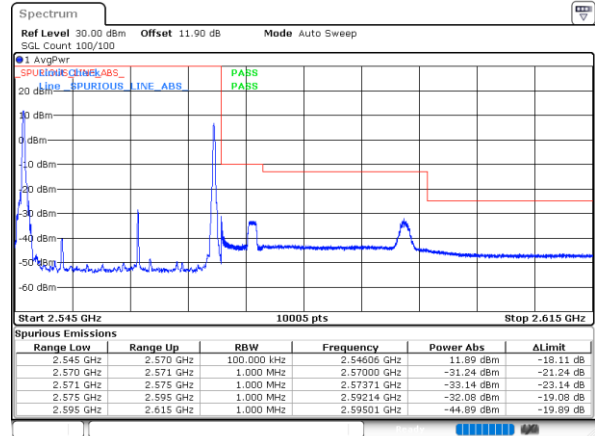
LTE Band 7C / 15MHz+10MHz

QPSK

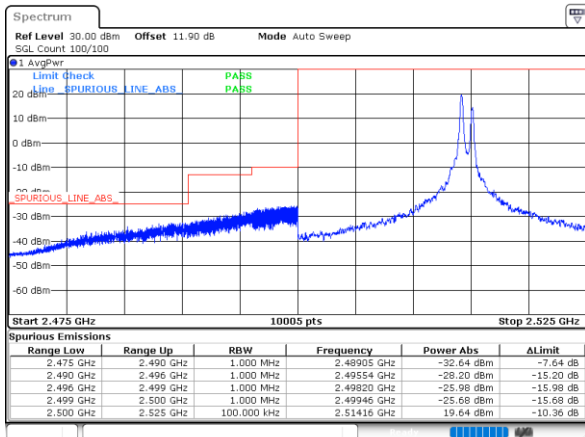
Lowest Band Edge / 1RB0 and 1RB49



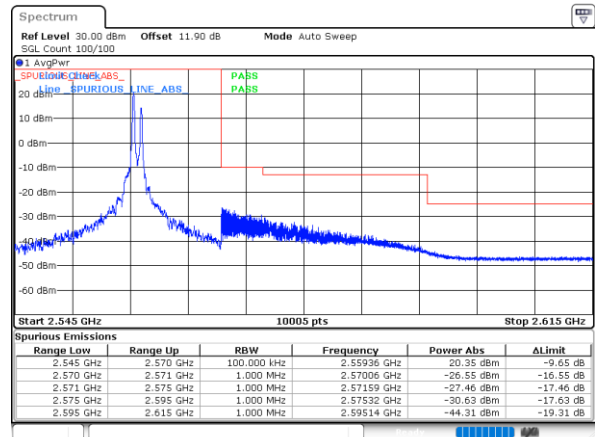
Highest Band Edge / 1RB0 and 1RB49



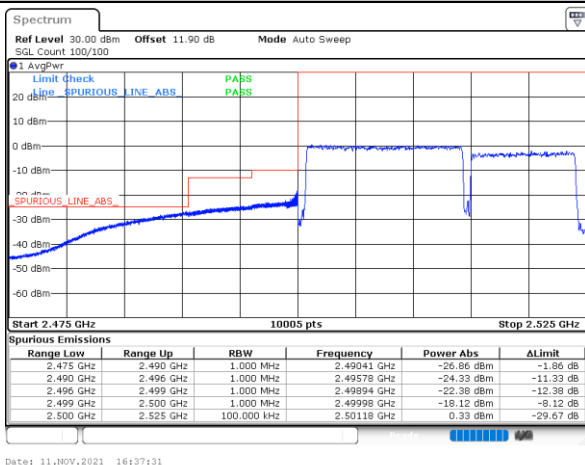
Lowest Band Edge / 1RB74 and 1RB0



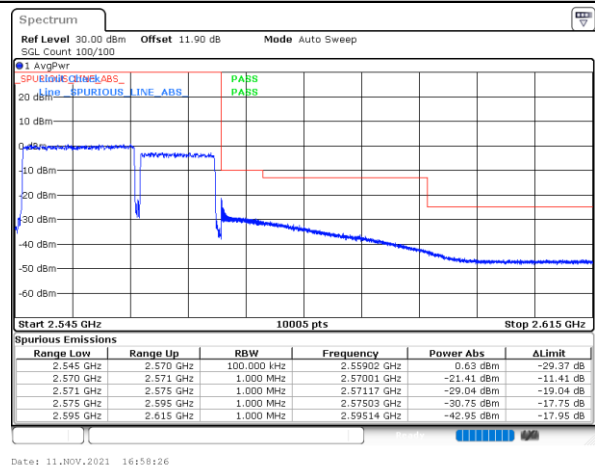
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

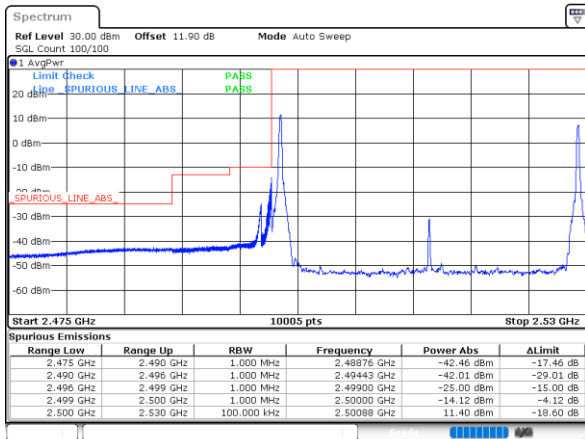




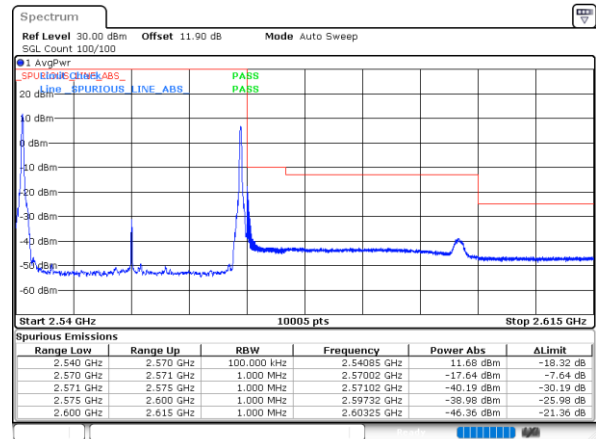
LTE Band 7C / 15MHz+15MHz

QPSK

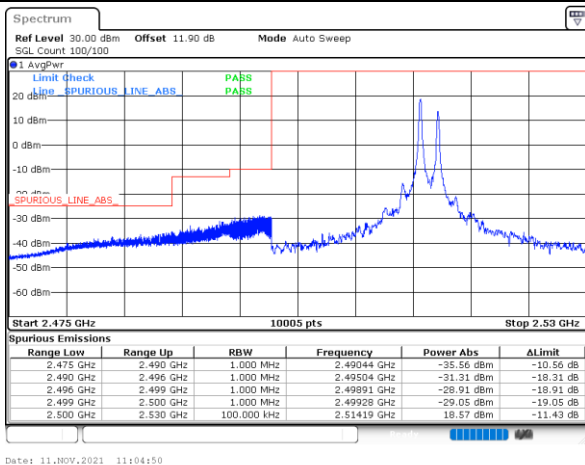
Lowest Band Edge / 1RB0 and 1RB74



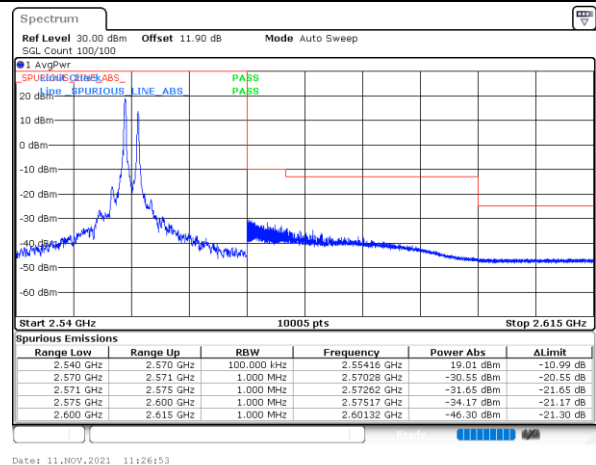
Highest Band Edge / 1RB0 and 1RB74



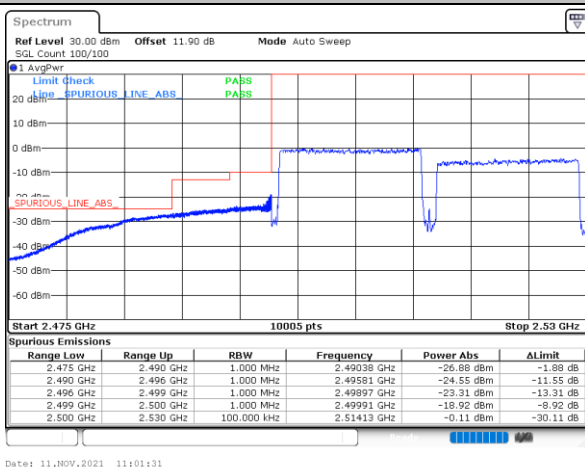
Lowest Band Edge / 1RB74 and 1RB0



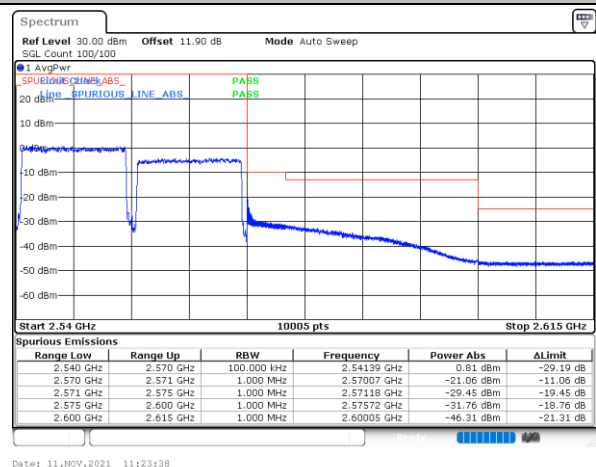
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

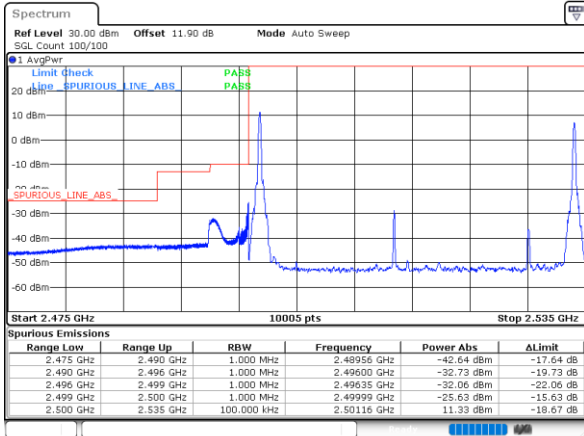




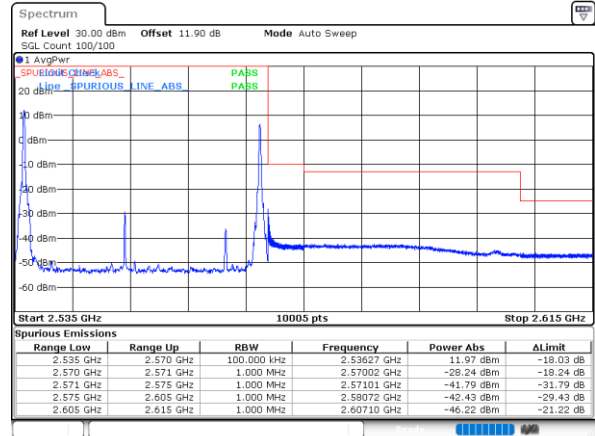
LTE Band 7C / 15MHz+20MHz

QPSK

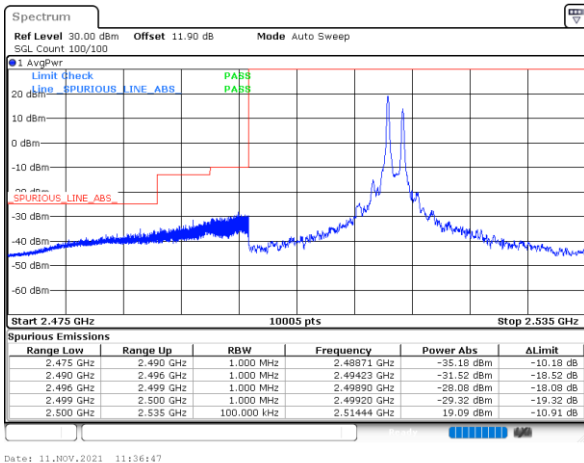
Lowest Band Edge / 1RB0 and 1RB99



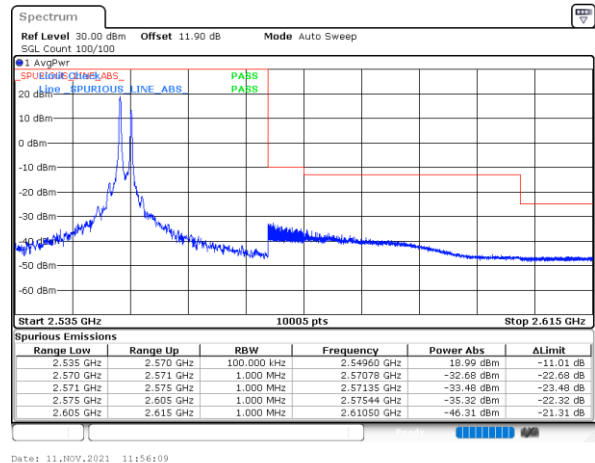
Highest Band Edge / 1RB0 and 1RB99



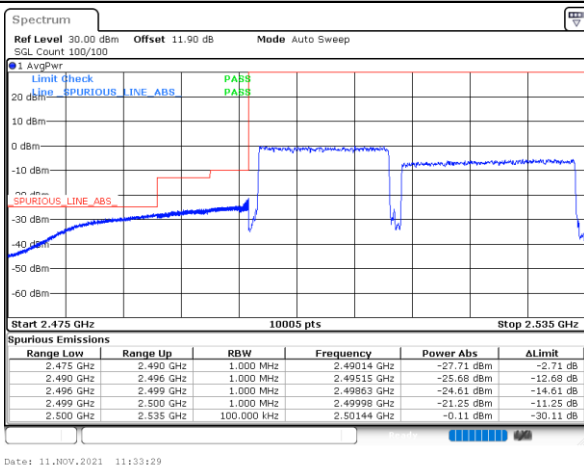
Lowest Band Edge / 1RB74 and 1RB0



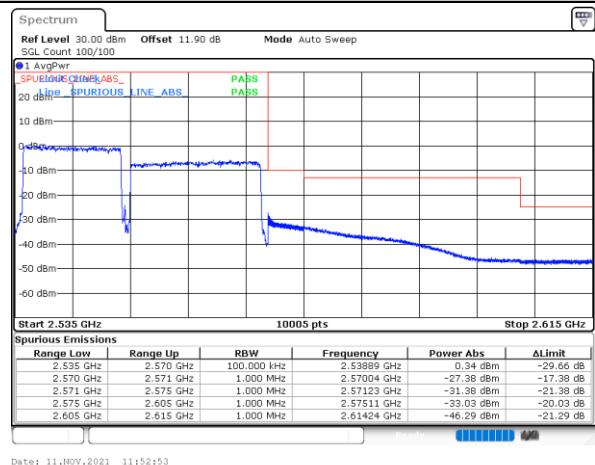
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

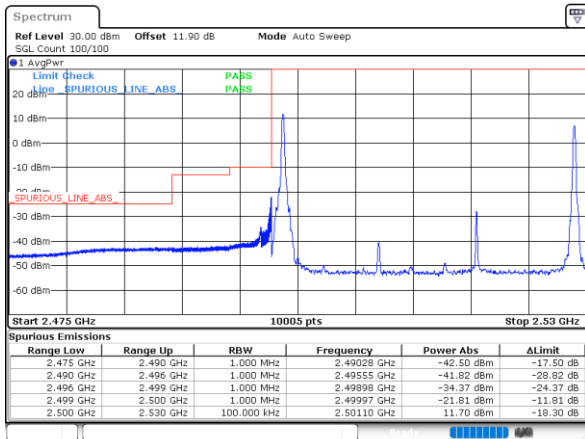




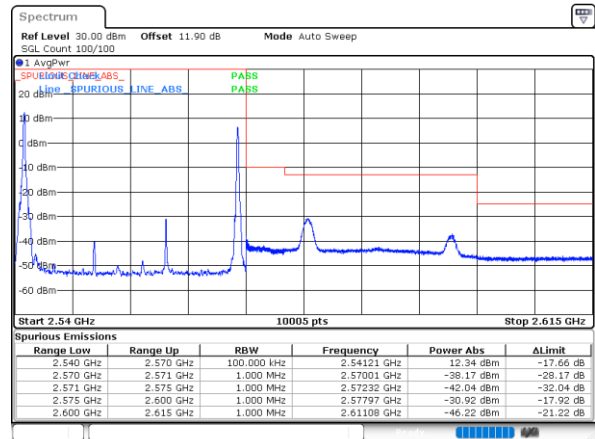
LTE Band 7C / 20MHz+10MHz

QPSK

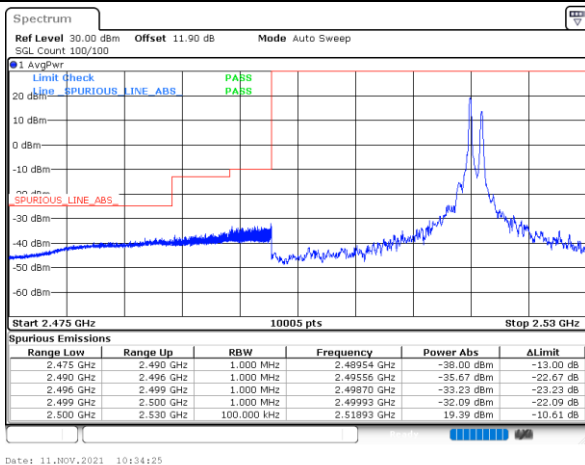
Lowest Band Edge / 1RB0 and 1RB49



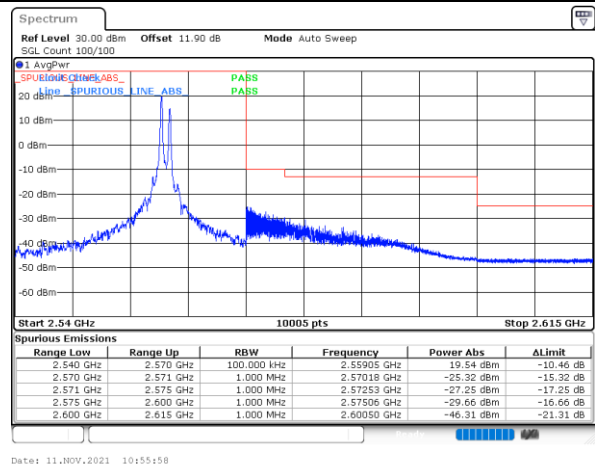
Highest Band Edge / 1RB0 and 1RB49



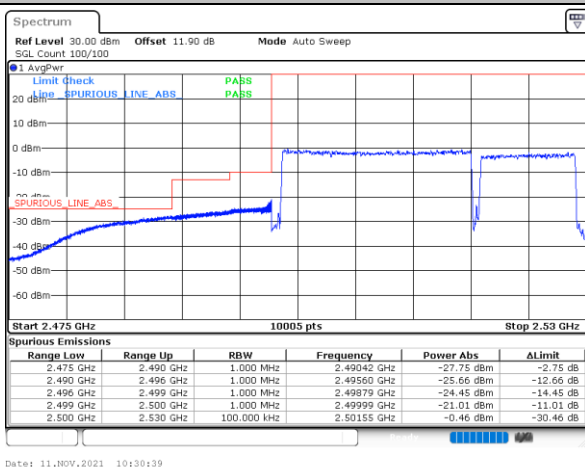
Lowest Band Edge / 1RB99 and 1RB0



Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

