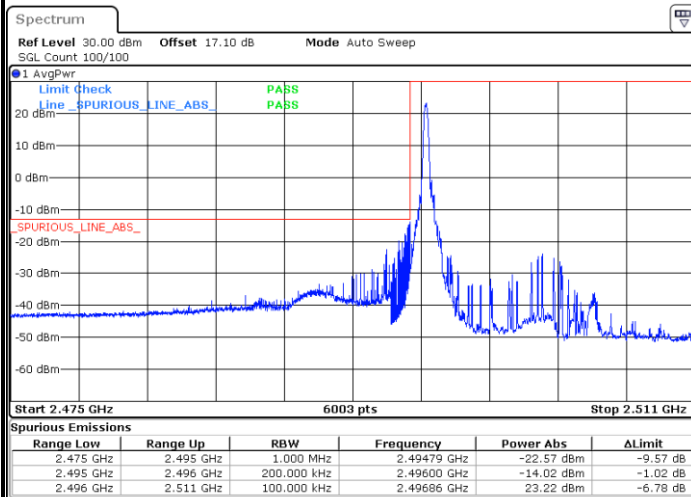




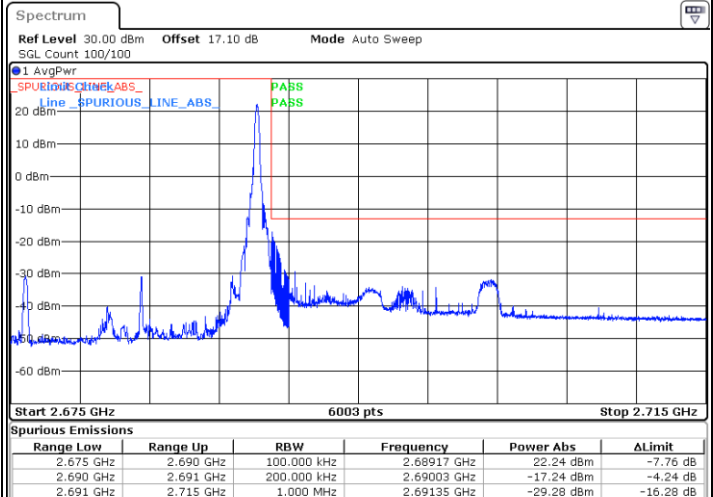
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



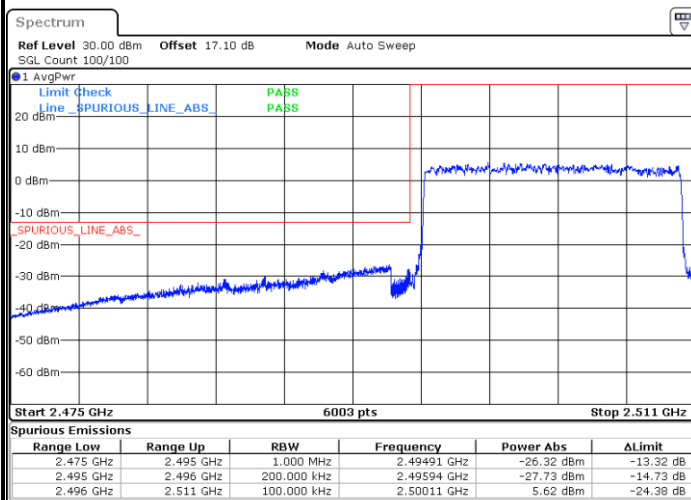
Date: 19.JAN.2021 12:45:57

Highest Band Edge / 1 RB



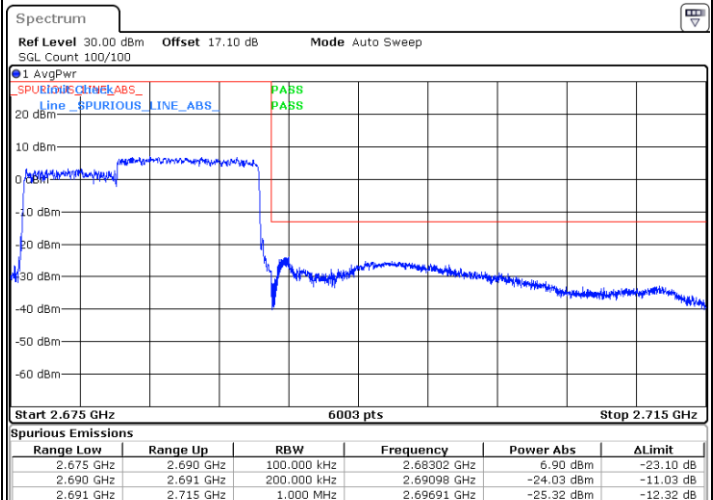
Date: 19.JAN.2021 12:47:36

Lowest Band Edge / Full RB



Date: 19.JAN.2021 12:44:34

Highest Band Edge / Full RB

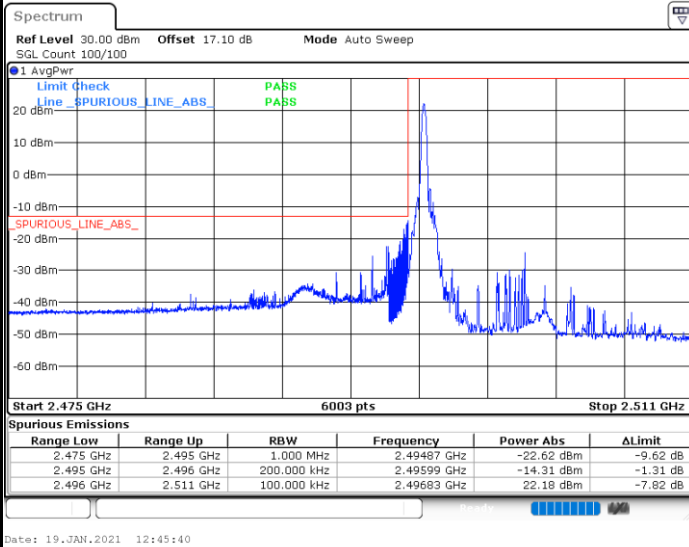


Date: 19.JAN.2021 12:46:13

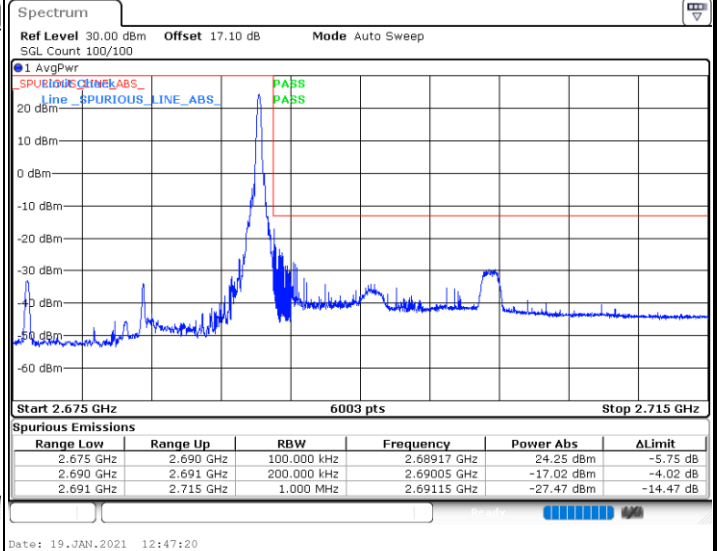


LTE Band 41 / 15MHz / 16QAM

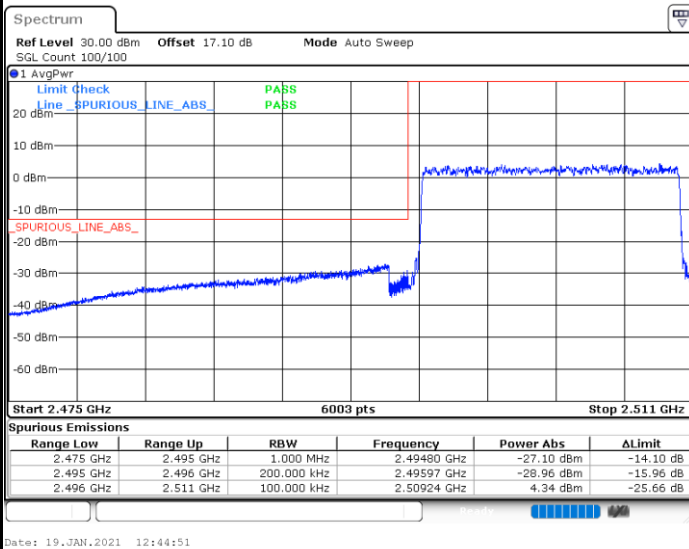
Lowest Band Edge / 1 RB



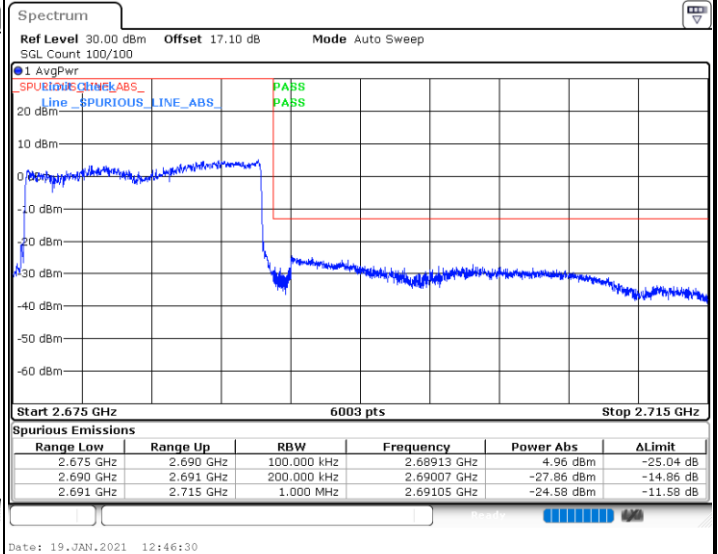
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



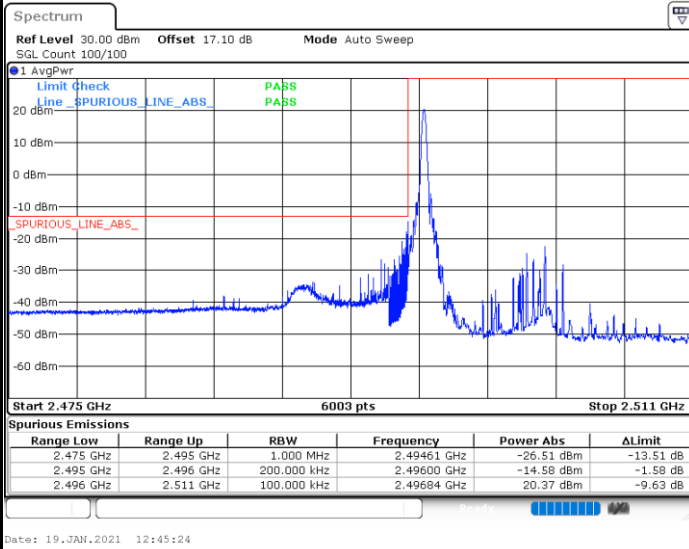
Highest Band Edge / Full RB



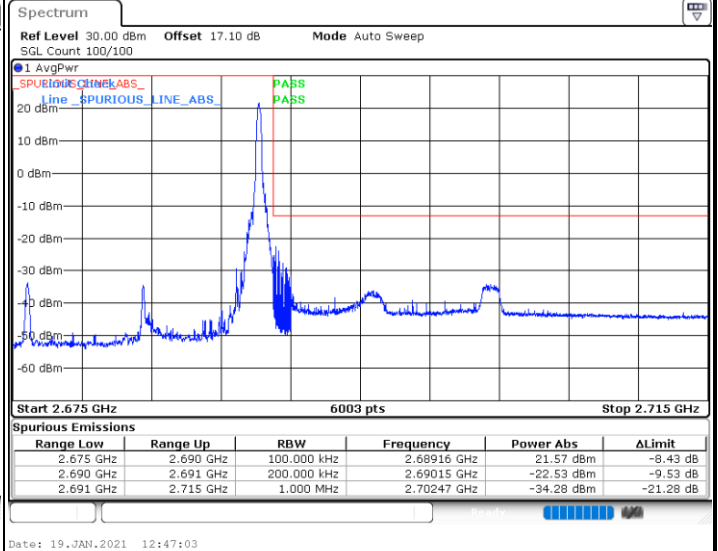


LTE Band 41 / 15MHz / 64QAM

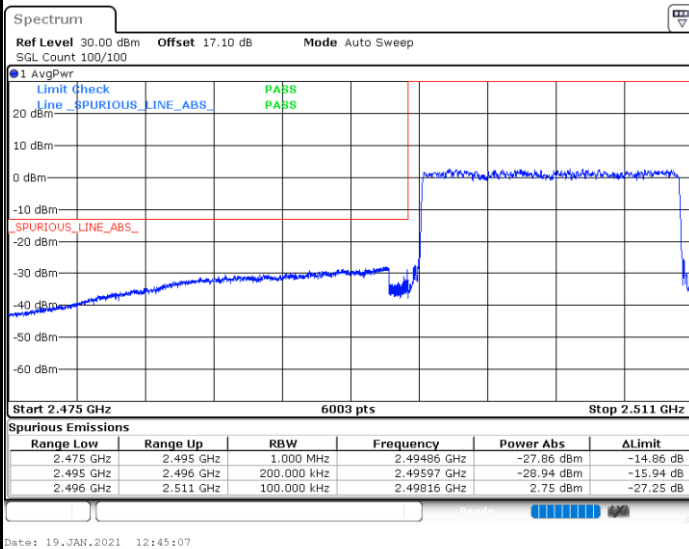
Lowest Band Edge / 1 RB



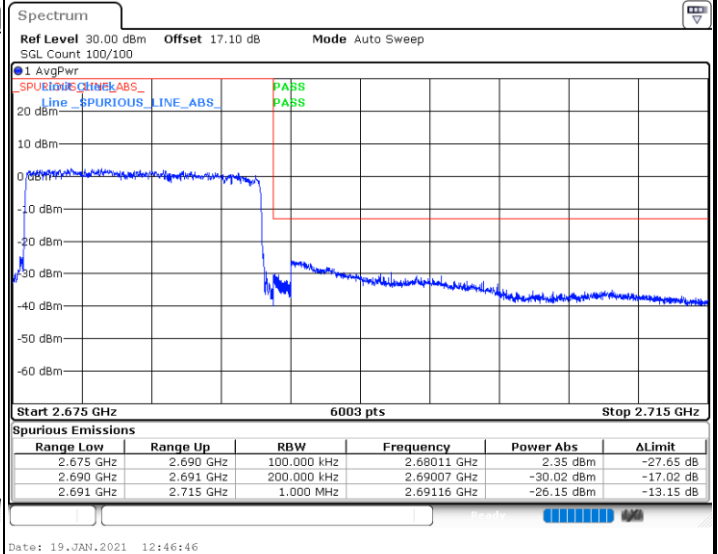
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



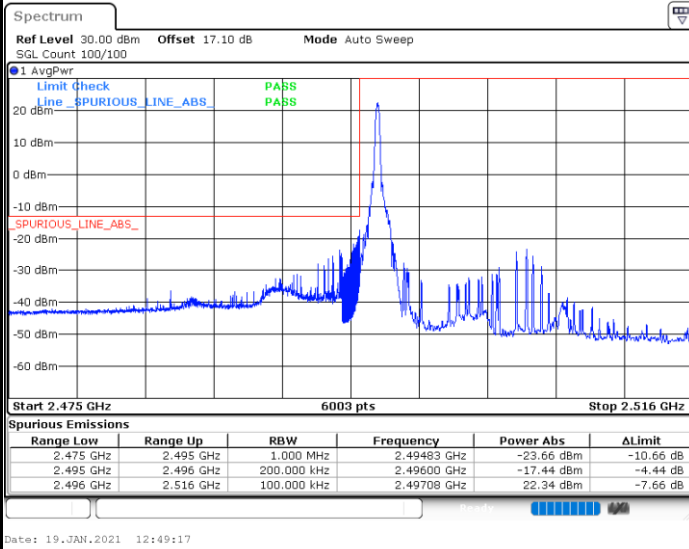
Highest Band Edge / Full RB



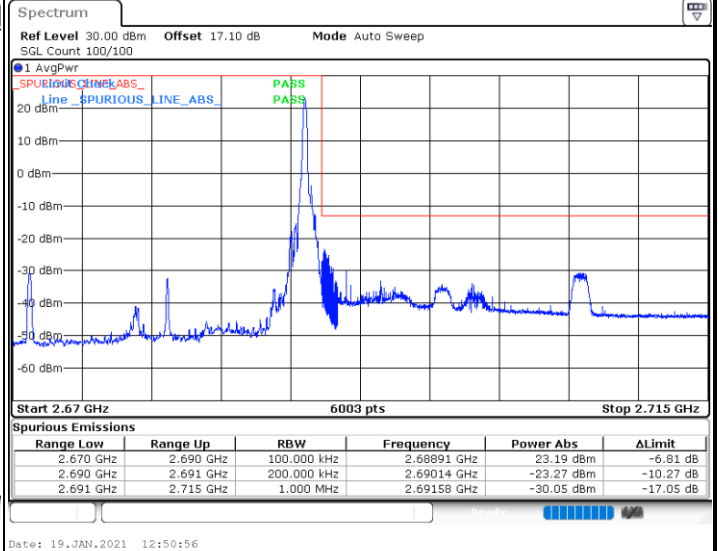


LTE Band 41 / 20MHz / QPSK

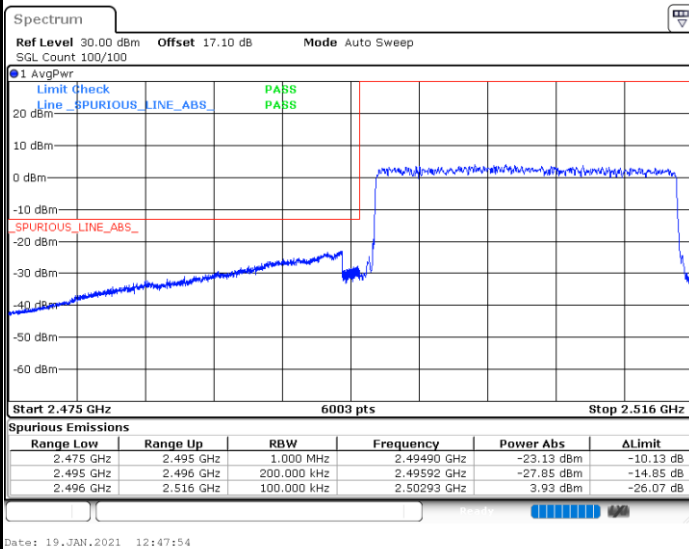
Lowest Band Edge / 1 RB



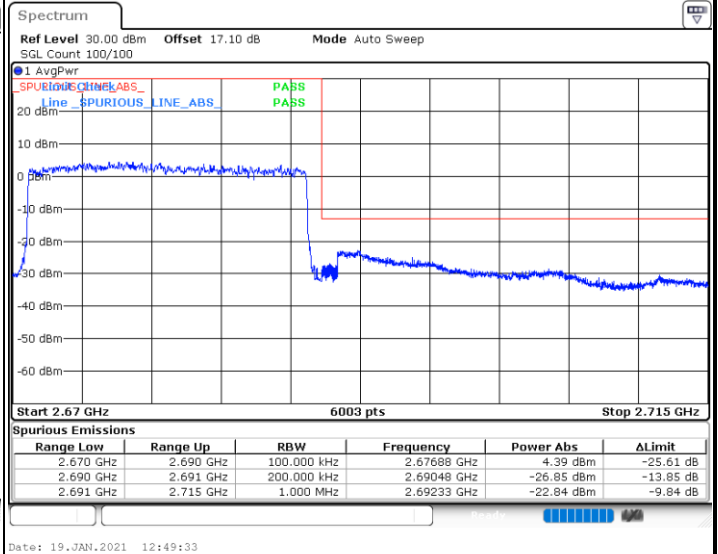
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



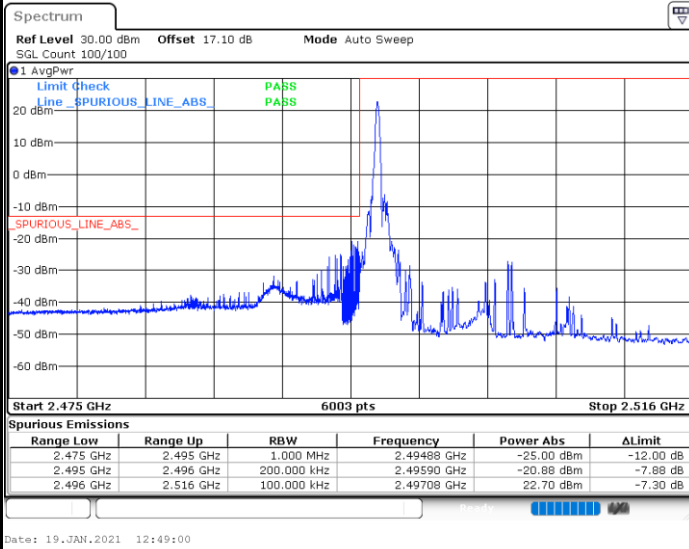
Highest Band Edge / Full RB



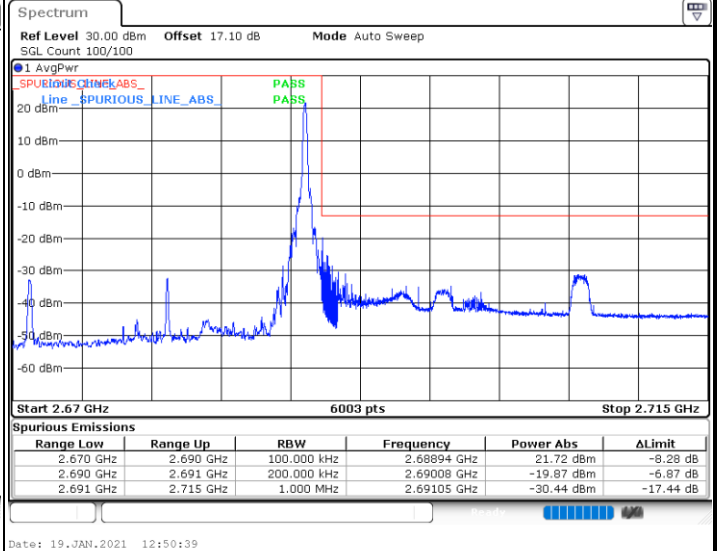


LTE Band 41 / 20MHz / 16QAM

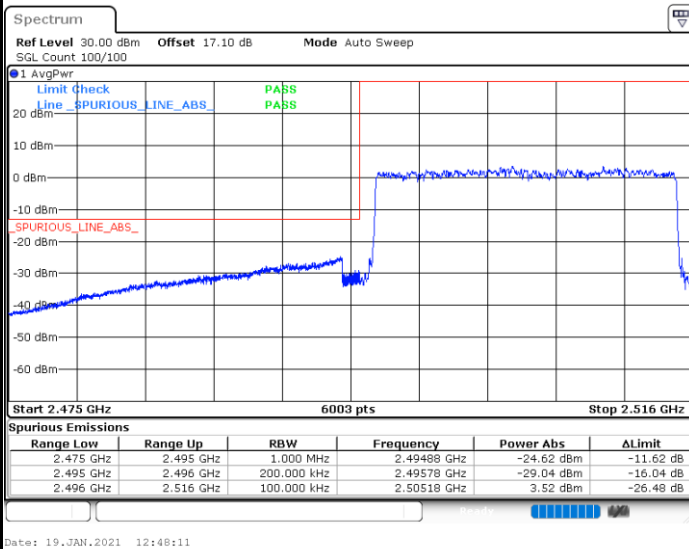
Lowest Band Edge / 1 RB



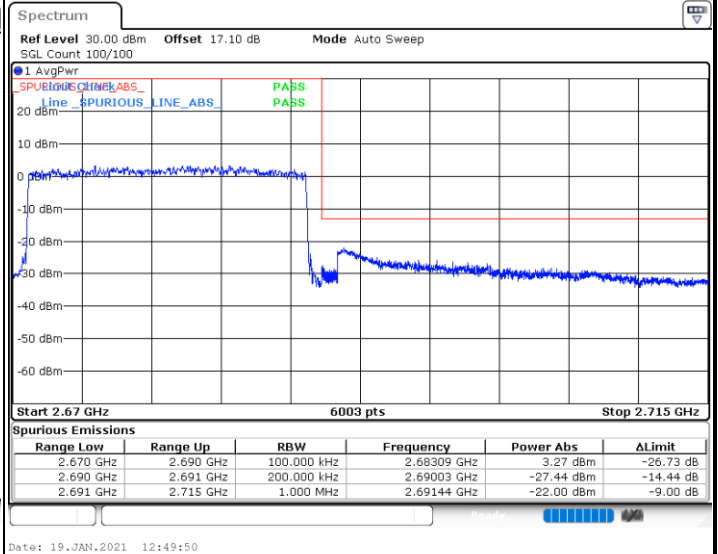
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



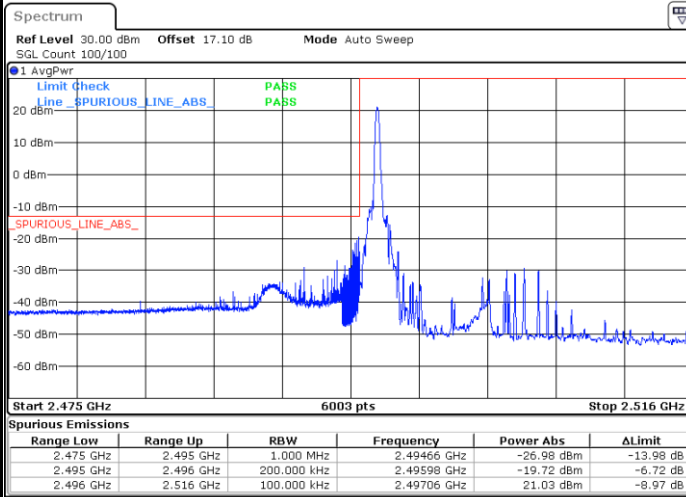
Highest Band Edge / Full RB



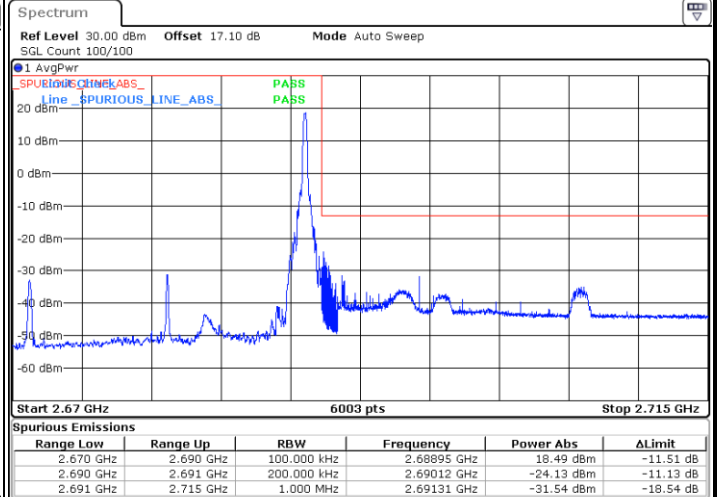


LTE Band 41 / 20MHz / 64QAM

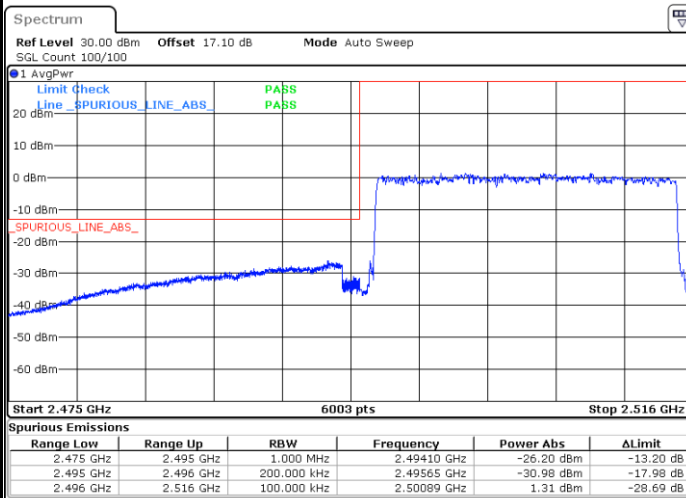
Lowest Band Edge / 1 RB



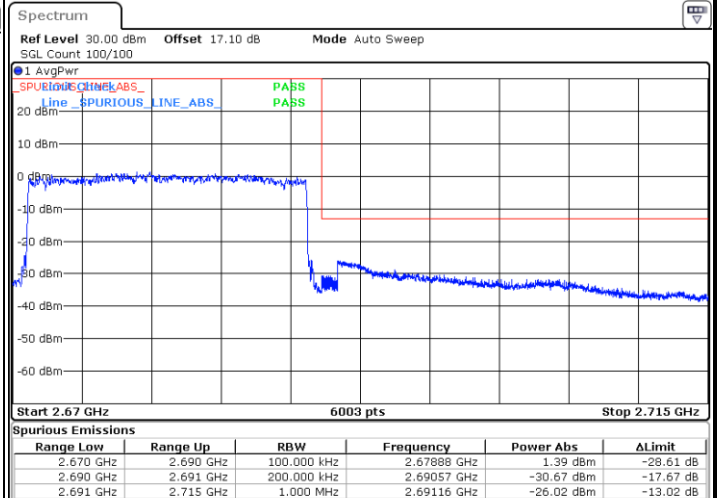
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

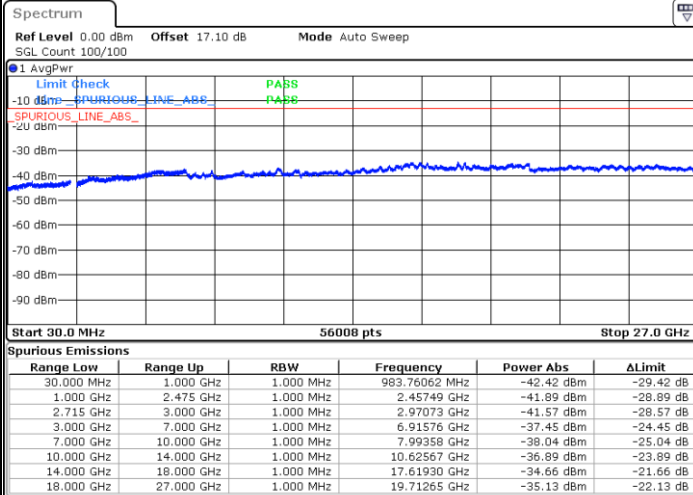




Conducted Spurious Emission

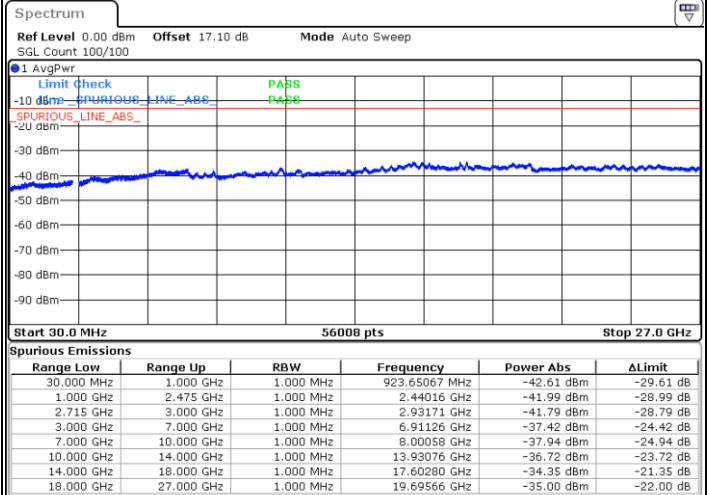
LTE Band 41 / 5MHz

Lowest Channel / QPSK



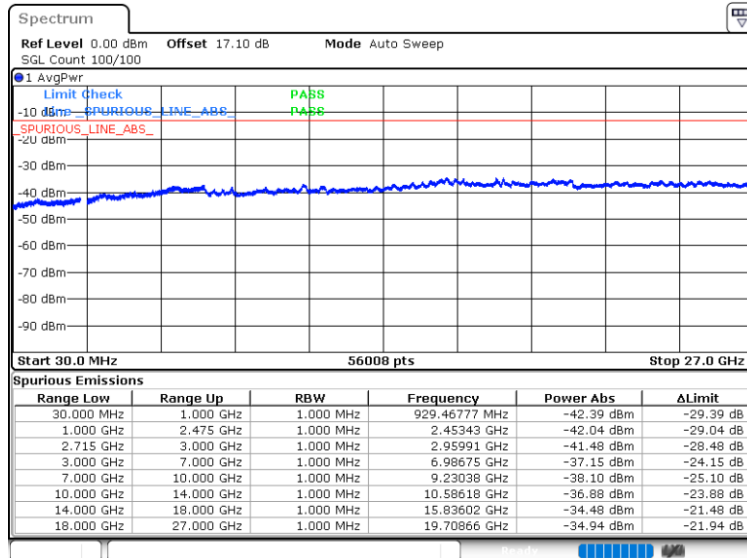
Date: 19.JAN.2021 12:51:49

Middle Channel / QPSK



Date: 19.JAN.2021 12:52:41

Highest Channel / QPSK

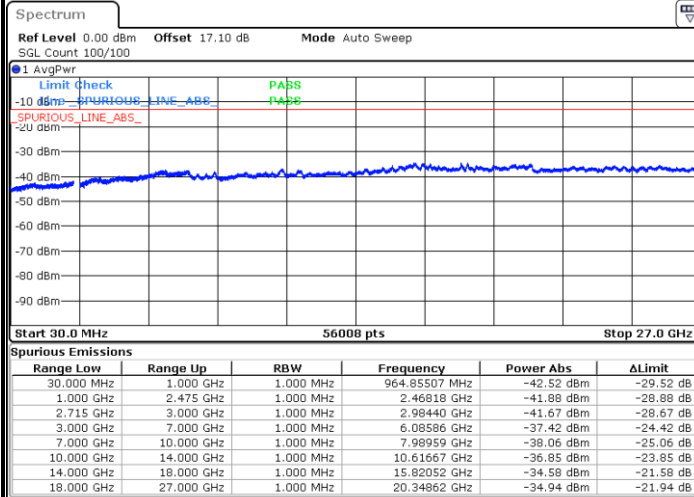


Date: 19.JAN.2021 12:53:33



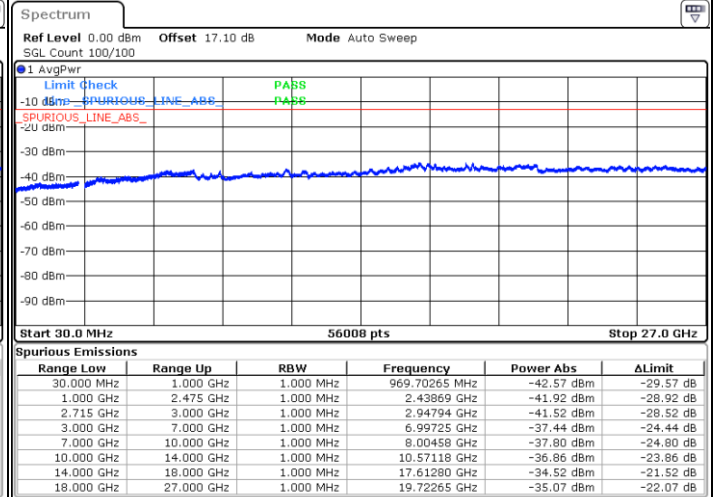
LTE Band 41 / 10MHz

Lowest Channel / QPSK



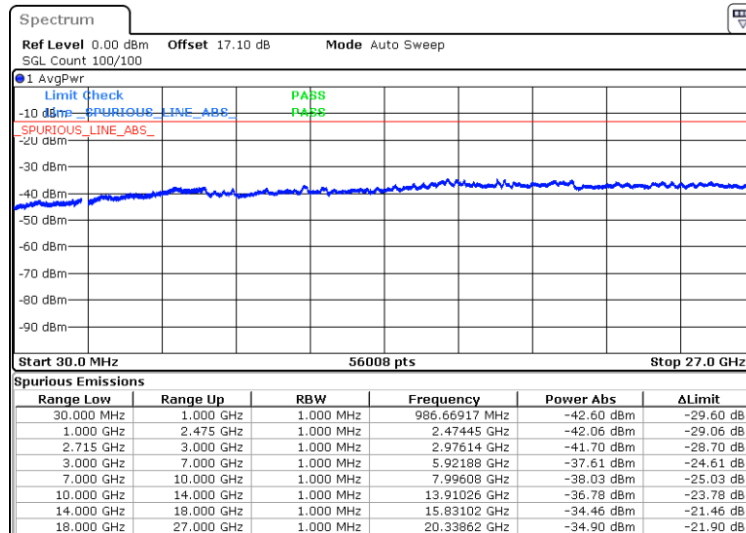
Date: 19.JAN.2021 12:54:27

Middle Channel / QPSK



Date: 19.JAN.2021 12:55:19

Highest Channel / QPSK

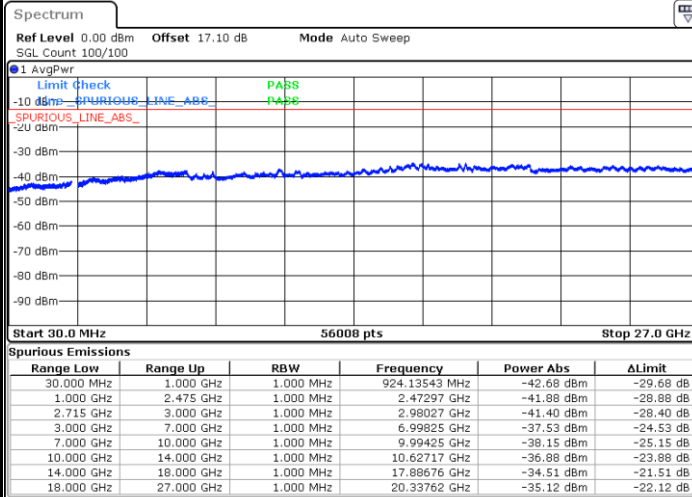


Date: 19.JAN.2021 12:56:11



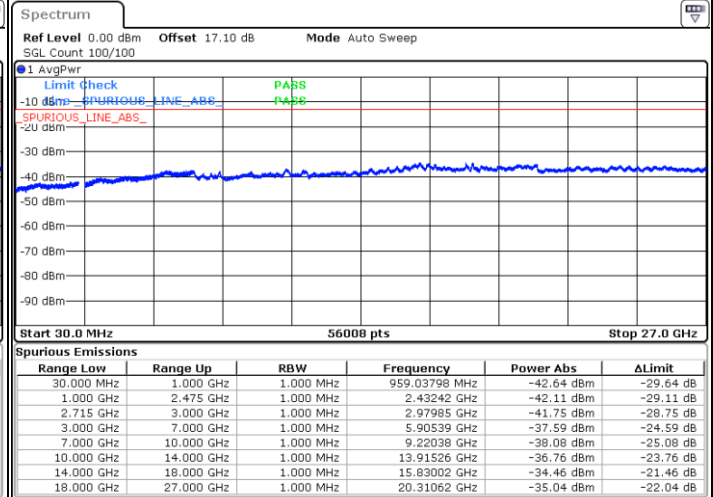
LTE Band 41 / 15MHz

Lowest Channel / QPSK



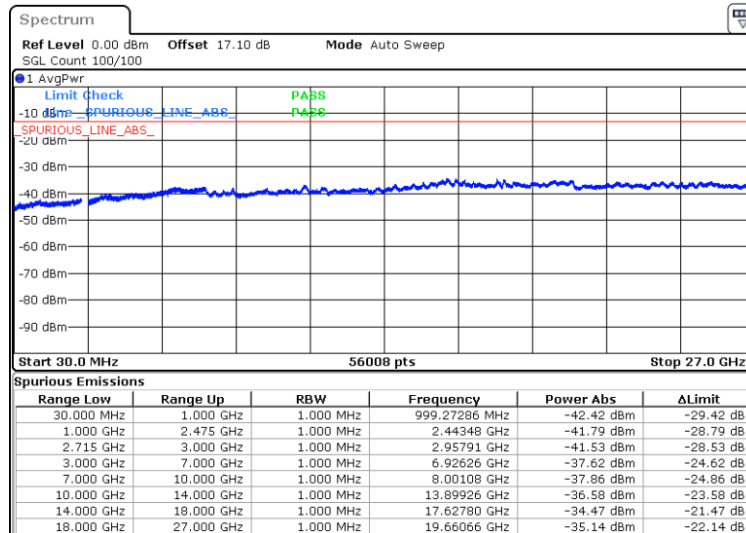
Date: 19.JAN.2021 12:57:05

Middle Channel / QPSK



Date: 19.JAN.2021 12:57:57

Highest Channel / QPSK

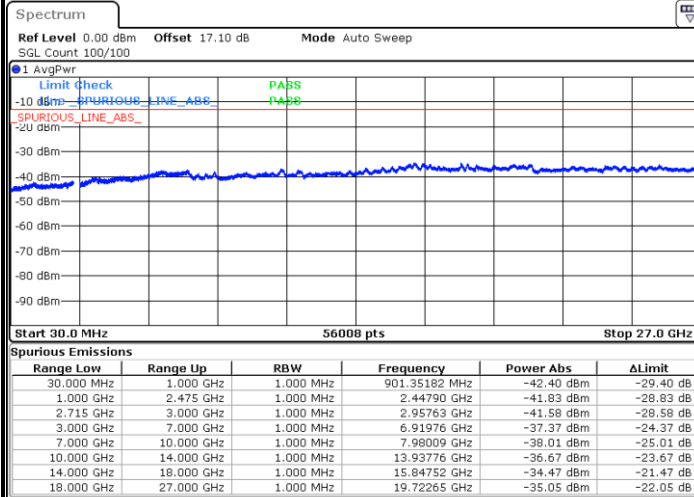


Date: 19.JAN.2021 12:58:49



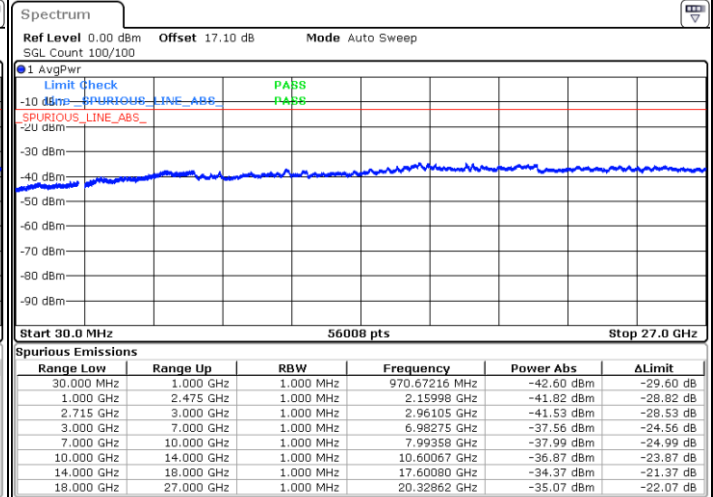
LTE Band 41 / 20MHz

Lowest Channel / QPSK



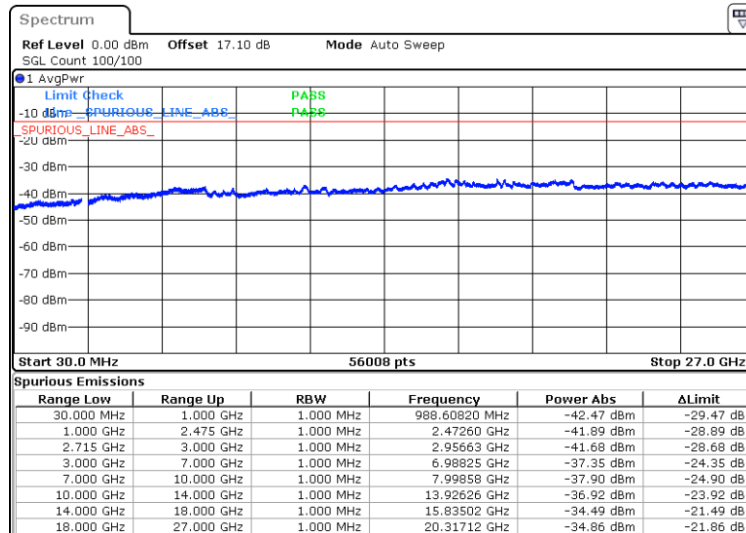
Date: 19.JAN.2021 12:59:43

Middle Channel / QPSK



Date: 19.JAN.2021 13:00:35

Highest Channel / QPSK



Date: 19.JAN.2021 13:01:27

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0068	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0069	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0065	

Note:

1. Normal Voltage =48 V. ; Battery End Point (BEP) =43 V. ; Maximum Voltage =53 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.78	25.33	30.15	25.33	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.97	24.88	30.03	35.04	39.88

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.78	25.23	29.97	25.23	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	35.04	24.88	30.09	35.11	39.96

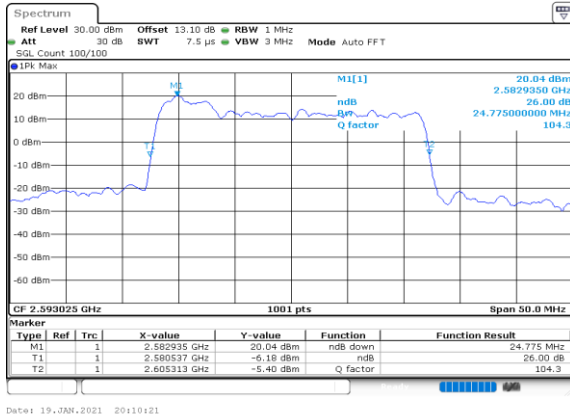
Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.88	25.18	29.91	25.33	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.90	24.78	29.91	34.97	39.96



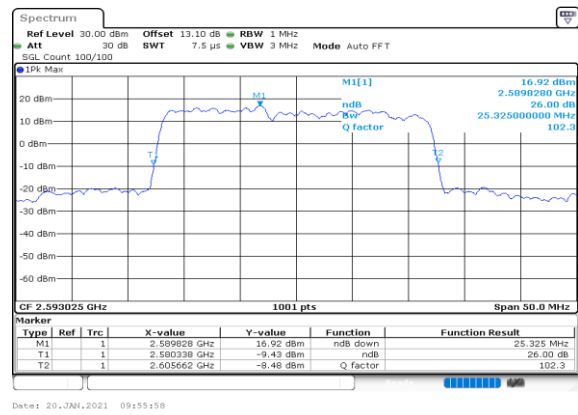
LTE Band 41C

QPSK

Middle Channel / 5MHz+20MHz

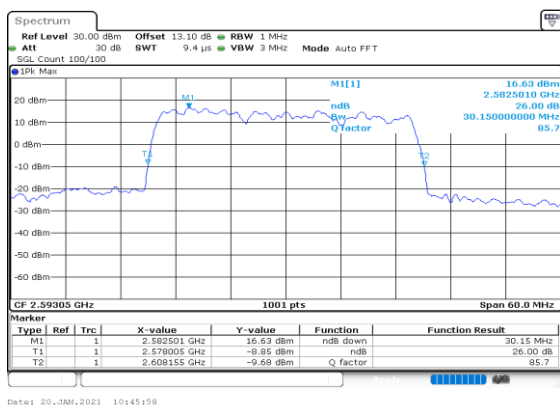


Middle Channel / 10MHz+15MHz

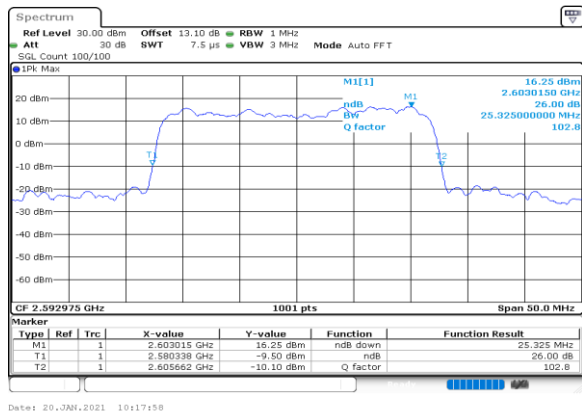


QPSK

Middle Channel / 10MHz+20MHz

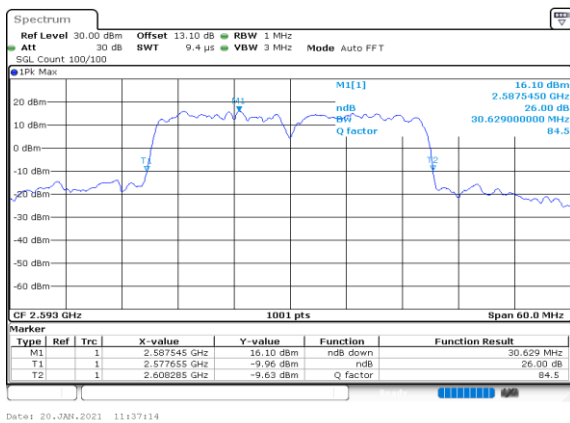


Middle Channel / 15MHz+10MHz

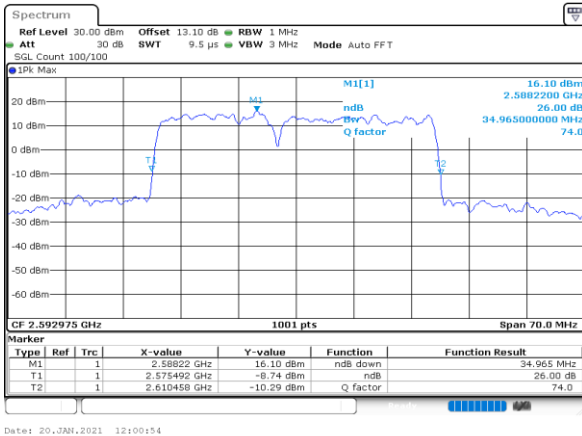


QPSK

Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

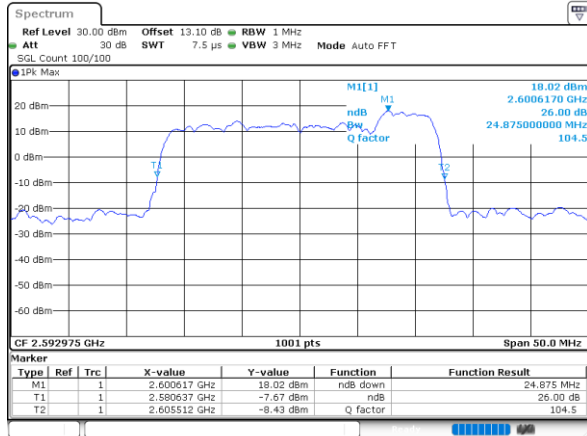




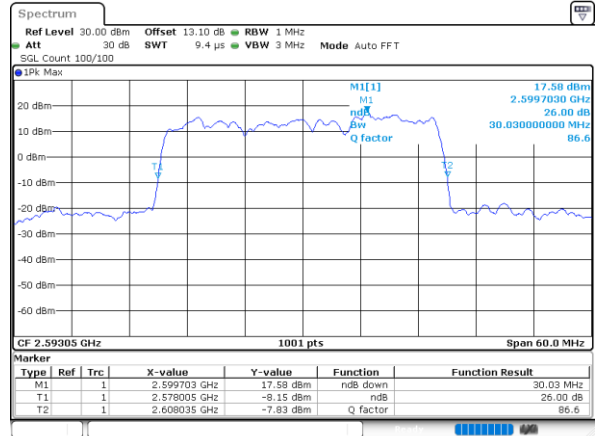
LTE Band 41C

QPSK

Middle Channel / 20MHz+5MHz

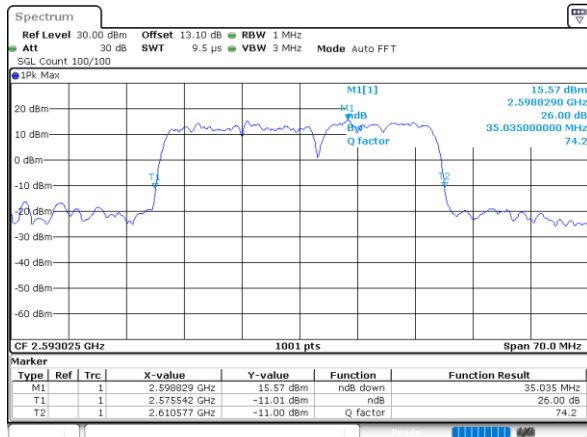


Middle Channel / 20MHz+10MHz

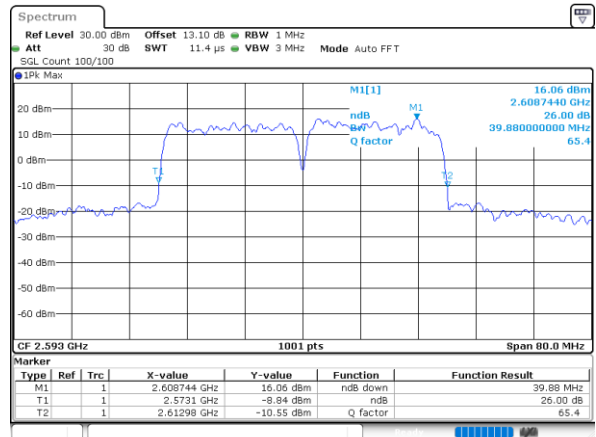


QPSK

Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

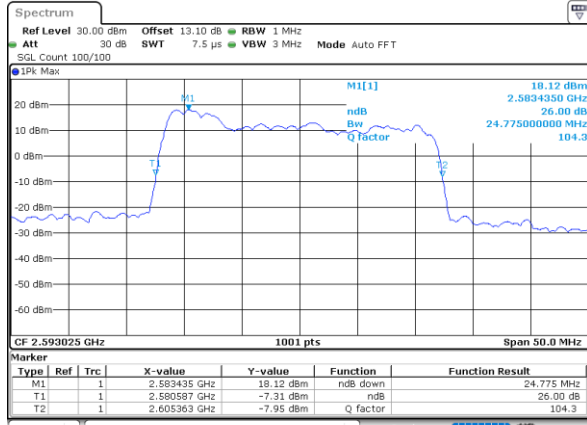




LTE Band 41C

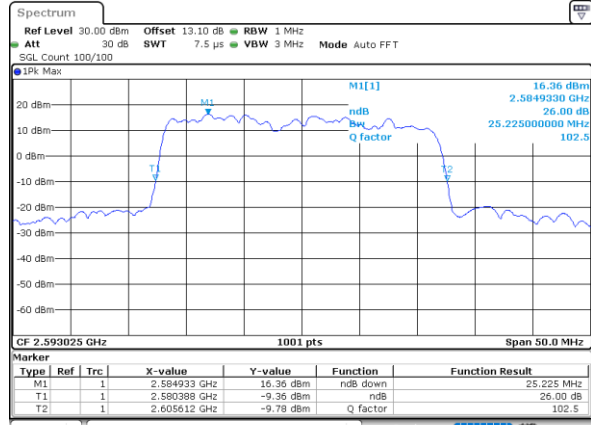
16QAM

Middle Channel / 5MHz+20MHz



Date: 19,JAN,2021 20:09:59

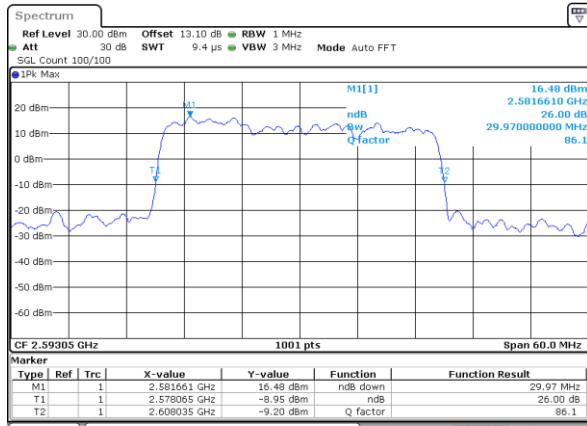
Middle Channel / 10MHz+15MHz



Date: 20,JAN,2021 09:55:36

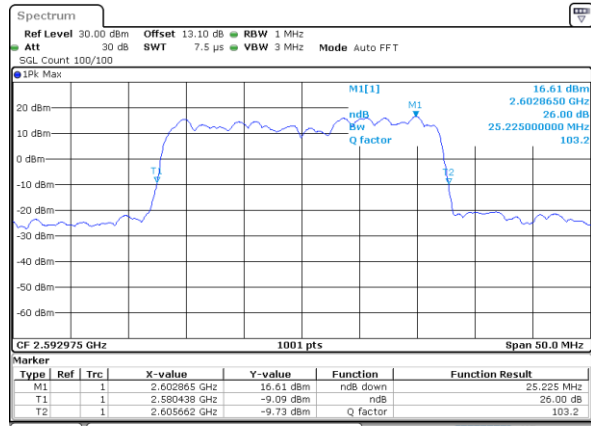
16QAM

Middle Channel / 10MHz+20MHz



Date: 20,JAN,2021 10:45:36

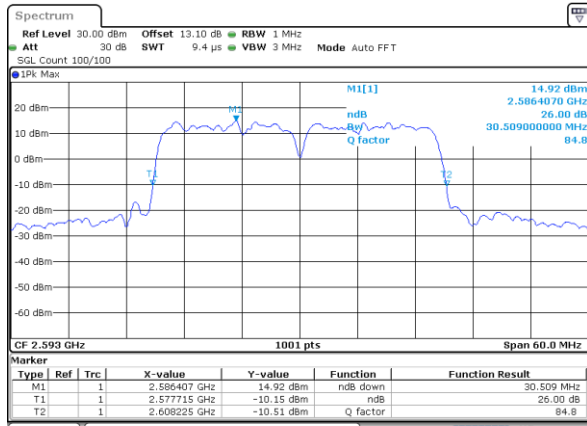
Middle Channel / 15MHz+10MHz



Date: 20,JAN,2021 10:17:36

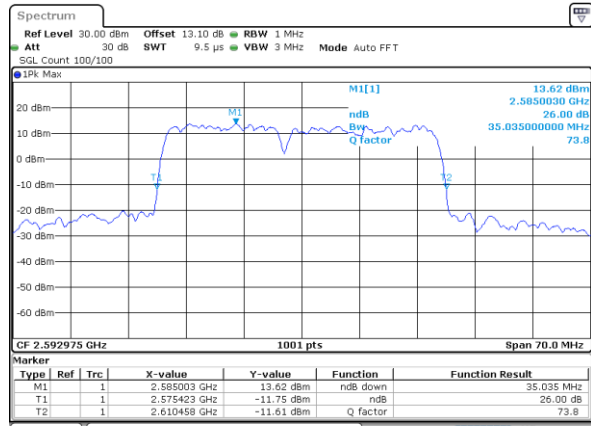
16QAM

Middle Channel / 15MHz+15MHz



Date: 20,JAN,2021 11:36:51

Middle Channel / 15MHz+20MHz



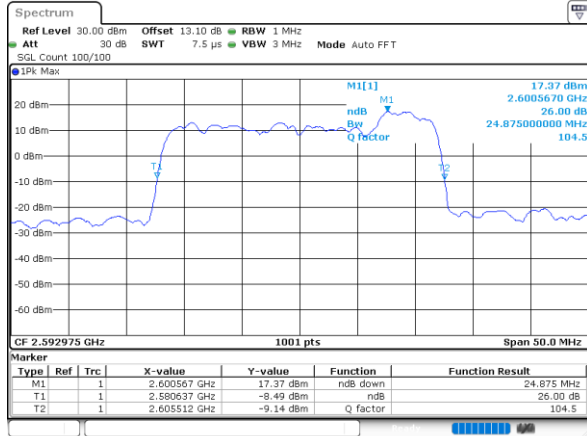
Date: 20,JAN,2021 12:00:32



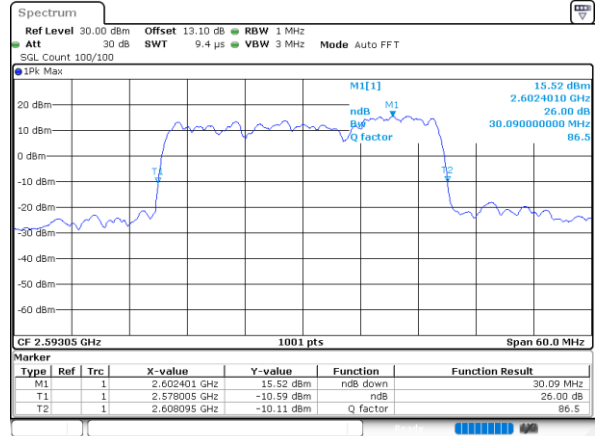
LTE Band 41C

16QAM

Middle Channel / 20MHz+5MHz

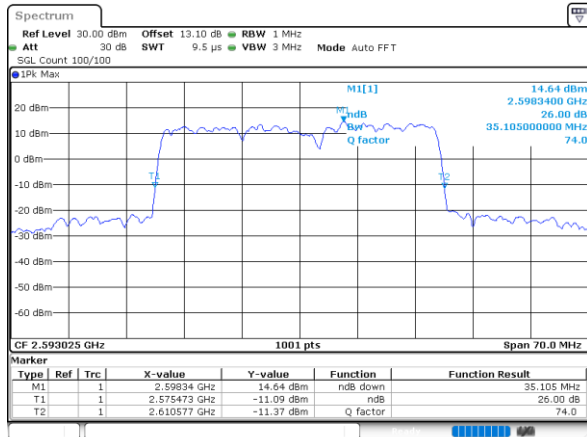


Middle Channel / 20MHz+10MHz

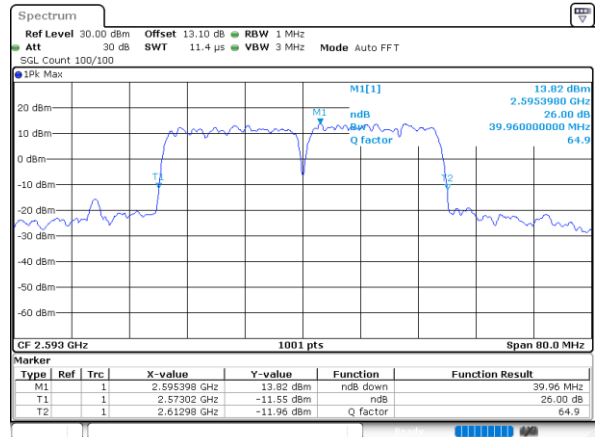


16QAM

Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

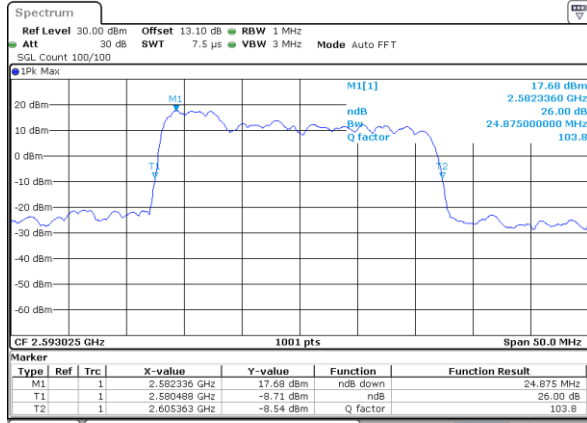




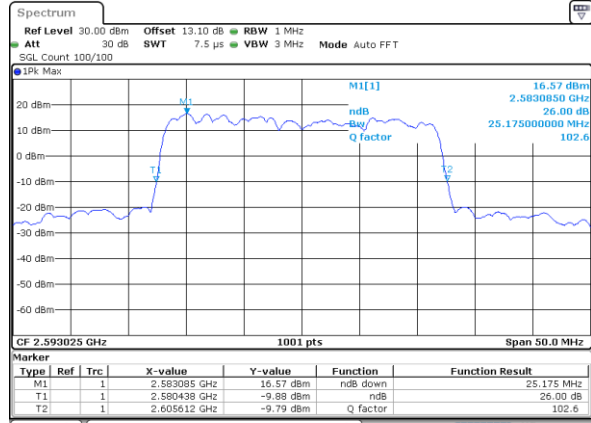
LTE Band 41C

64QAM

Middle Channel / 5MHz+20MHz

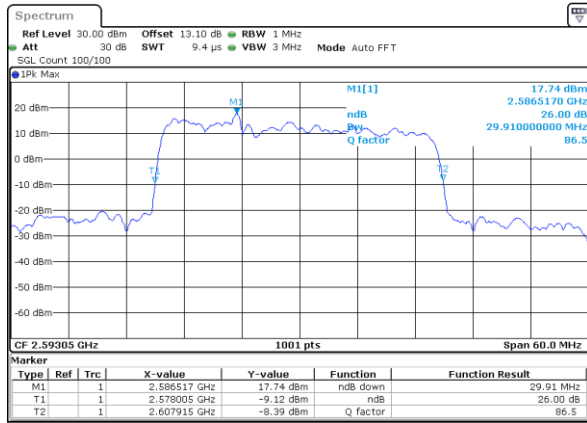


Middle Channel / 10MHz+15MHz

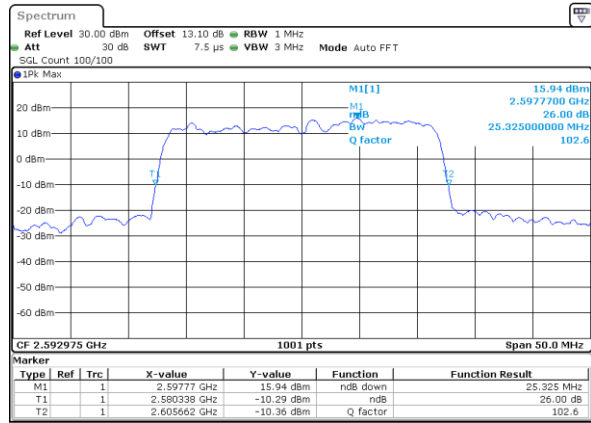


64QAM

Middle Channel / 10MHz+20MHz

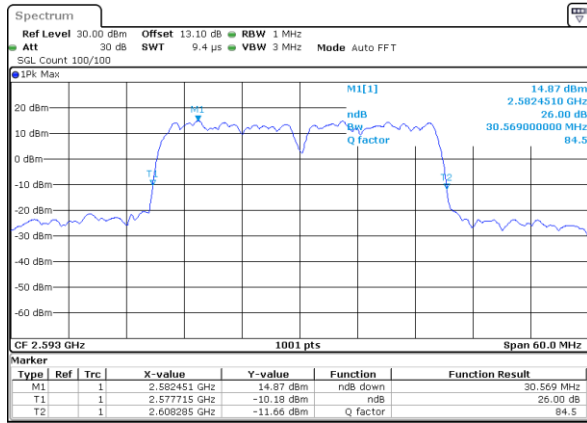


Middle Channel / 15MHz+10MHz

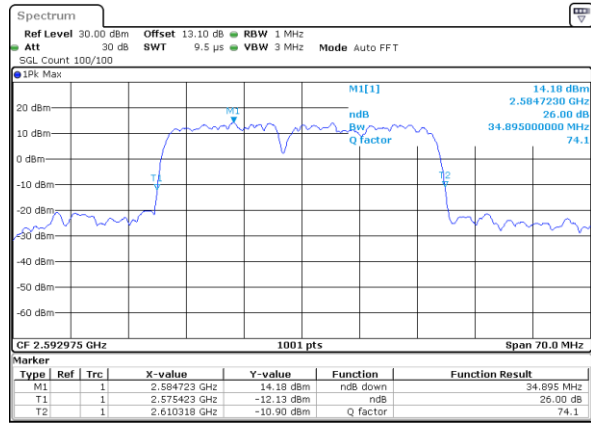


64QAM

Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

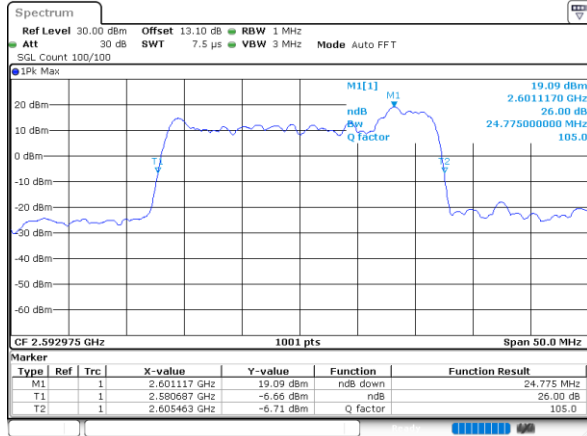




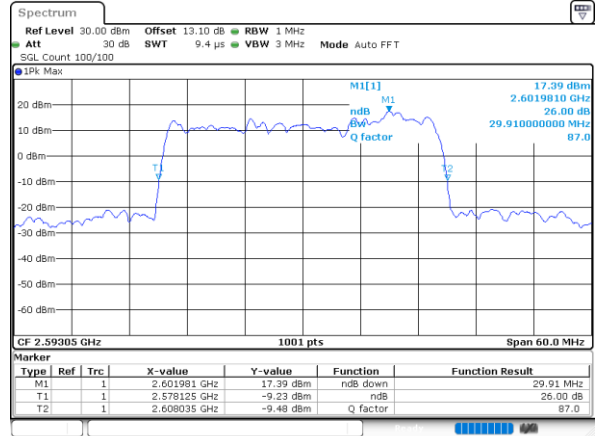
LTE Band 41C

64QAM

Middle Channel / 20MHz+5MHz

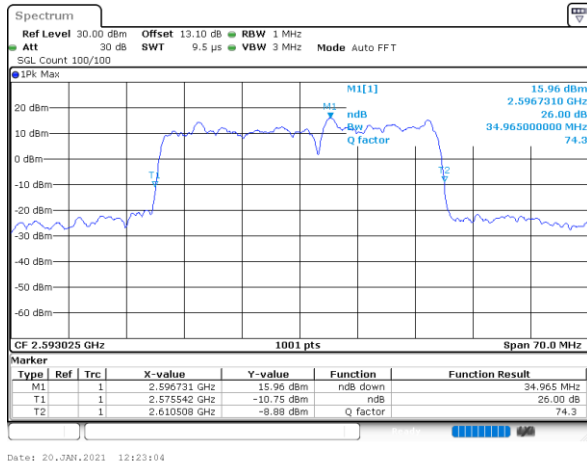


Middle Channel / 20MHz+10MHz

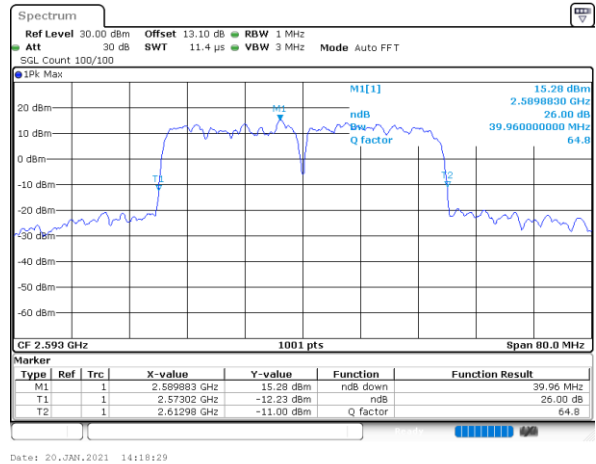


64QAM

Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



**Occupied Bandwidth**

Mode	LTE Band 41C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.23	23.43	28.17	23.28	28.71
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.87	23.28	28.41	32.87	37.64

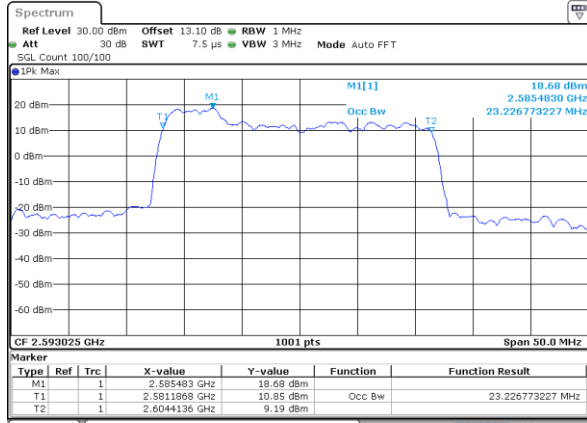
Mode	LTE Band 41C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.18	23.28	27.93	23.53	28.47
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.80	23.38	28.05	32.87	37.80

Mode	LTE Band 41C : 99%OBW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.18	23.38	28.23	23.28	28.71
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.66	23.48	28.17	32.73	37.80

LTE Band 41C

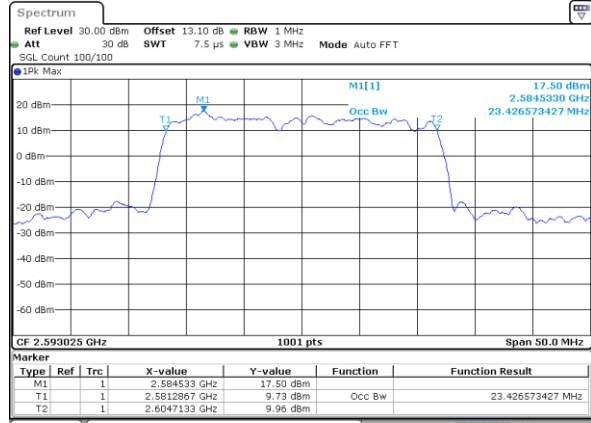
QPSK

Middle Channel / 5MHz+20MHz



Date: 19, JAN, 2021 20:08:30

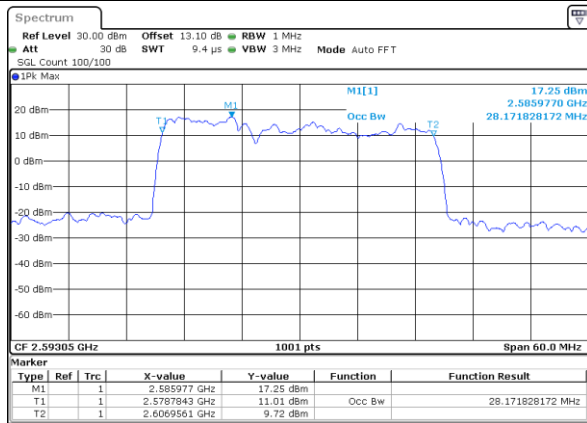
Middle Channel / 10MHz+15MHz



Date: 20, JAN, 2021 09:54:07

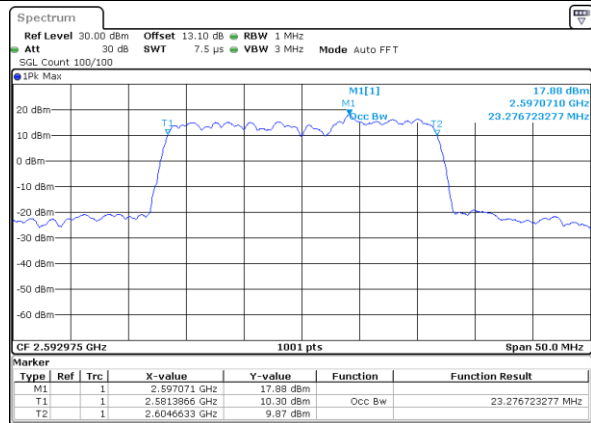
QPSK

Middle Channel / 10MHz+20MHz



Date: 20, JAN, 2021 10:44:07

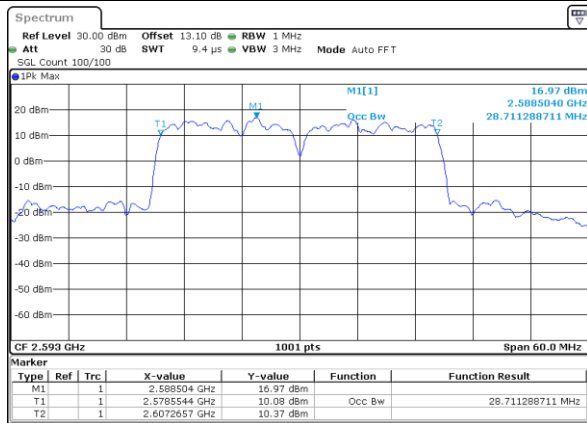
Middle Channel / 15MHz+10MHz



Date: 20, JAN, 2021 10:16:07

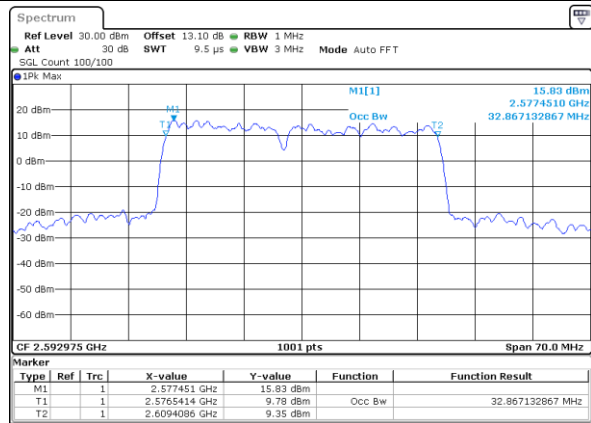
QPSK

Middle Channel / 15MHz+15MHz



Date: 20, JAN, 2021 11:35:22

Middle Channel / 15MHz+20MHz

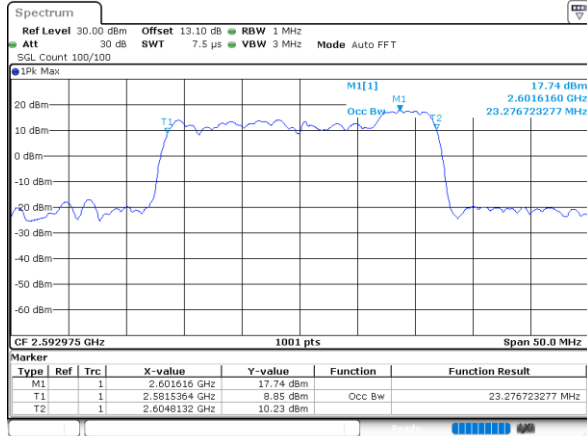


Date: 20, JAN, 2021 11:59:03

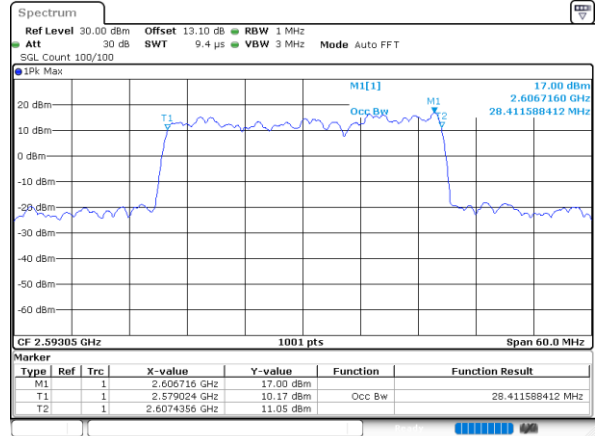
LTE Band 41C

QPSK

Middle Channel / 20MHz+5MHz

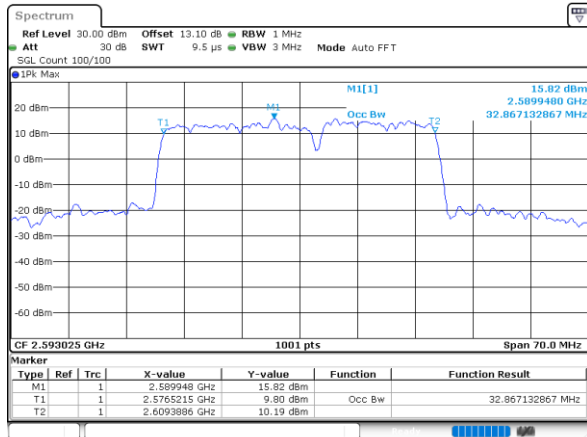


Middle Channel / 20MHz+10MHz

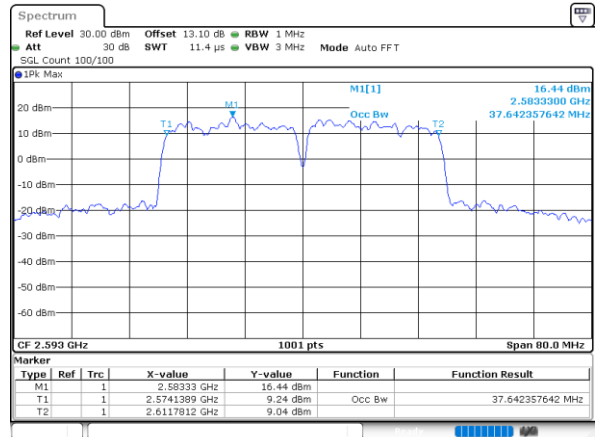


QPSK

Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

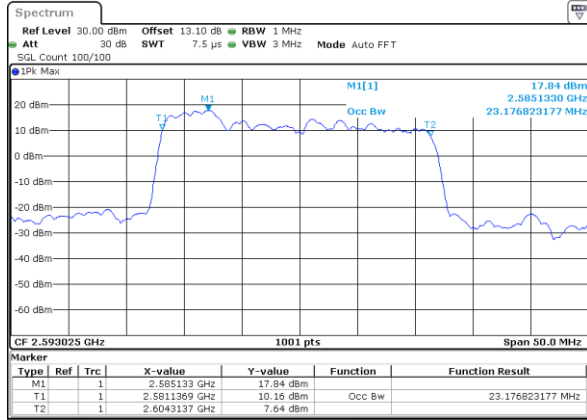




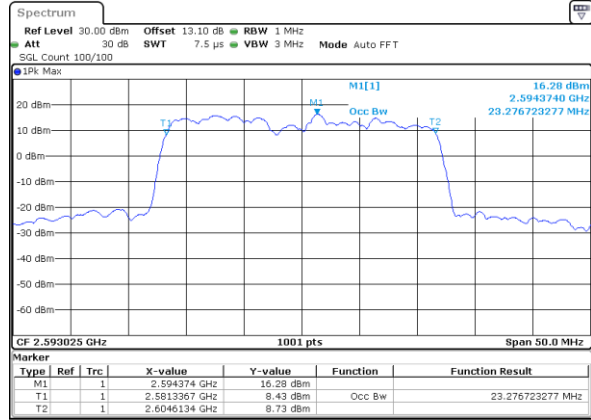
LTE Band 41C

16QAM

Middle Channel / 5MHz+20MHz

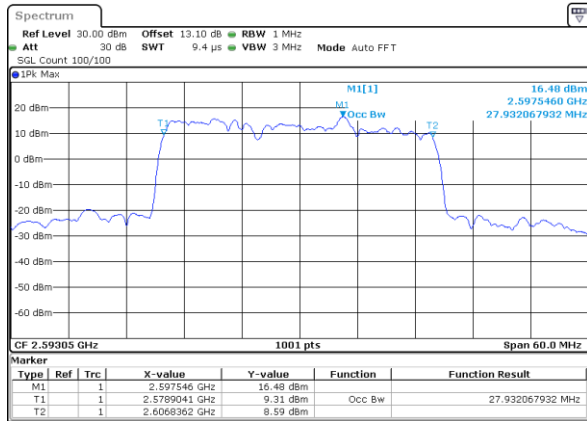


Middle Channel / 10MHz+15MHz

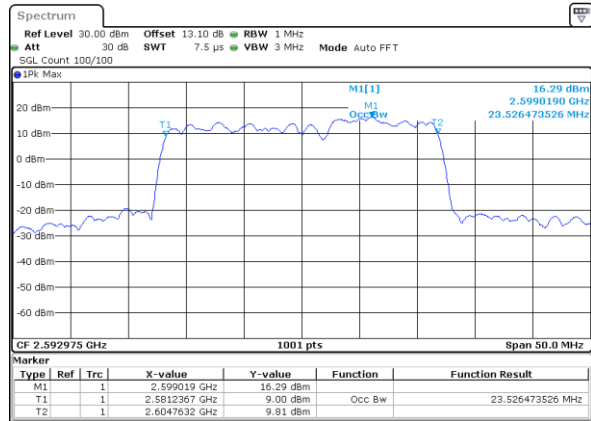


16QAM

Middle Channel / 10MHz+20MHz

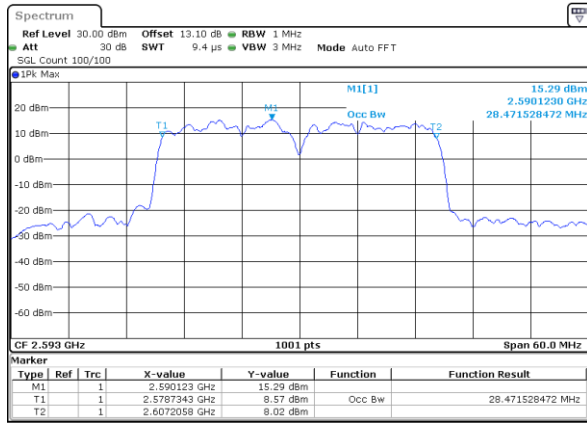


Middle Channel / 15MHz+10MHz

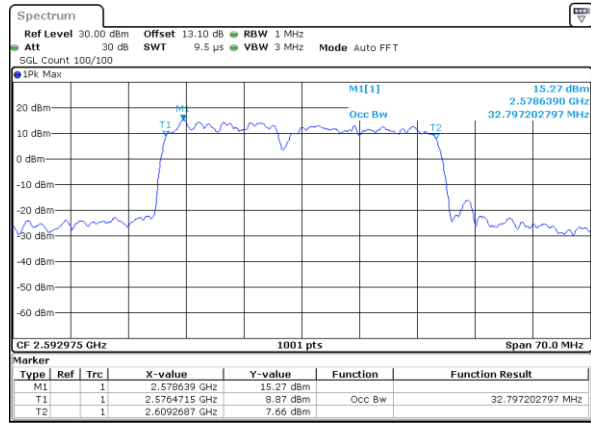


16QAM

Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

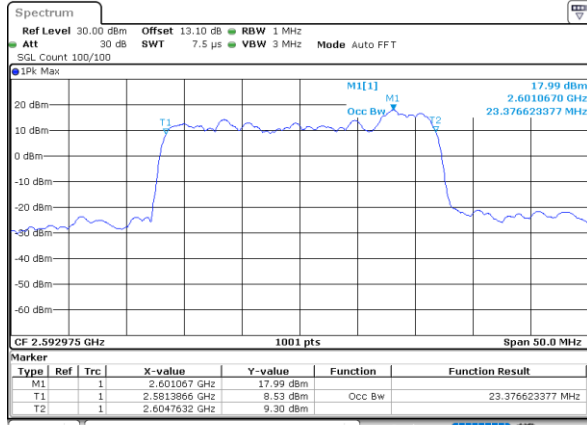




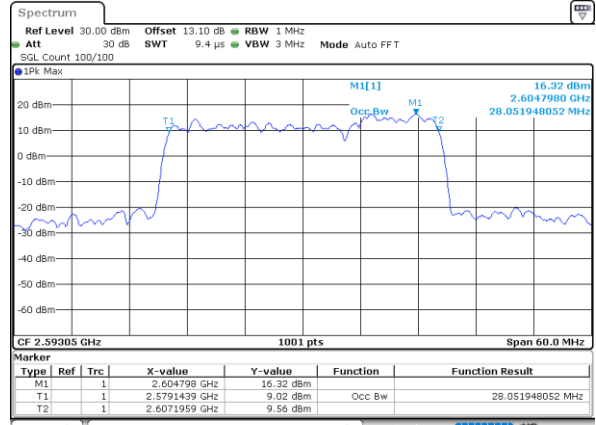
LTE Band 41C

16QAM

Middle Channel / 20MHz+5MHz

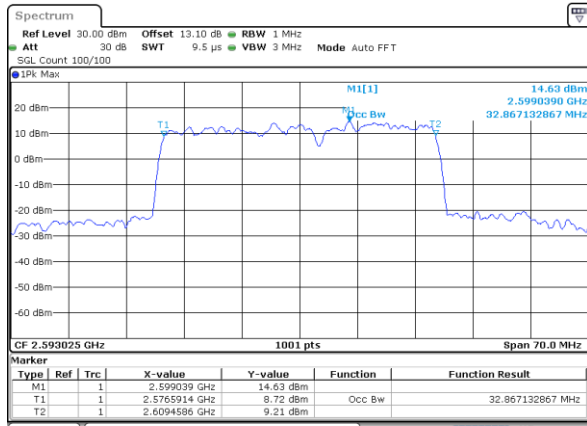


Middle Channel / 20MHz+10MHz

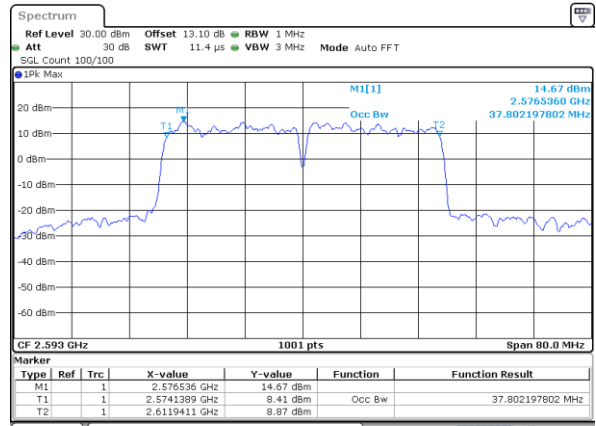


16QAM

Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

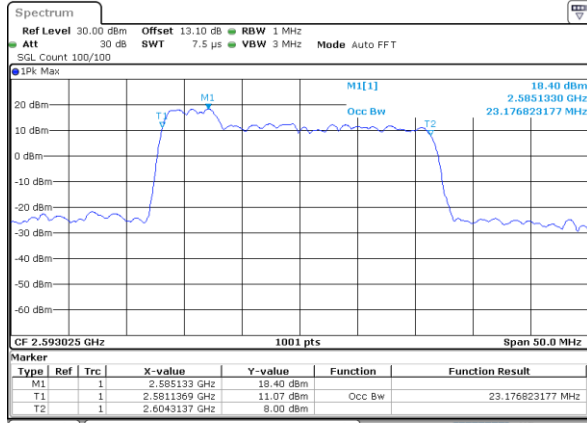




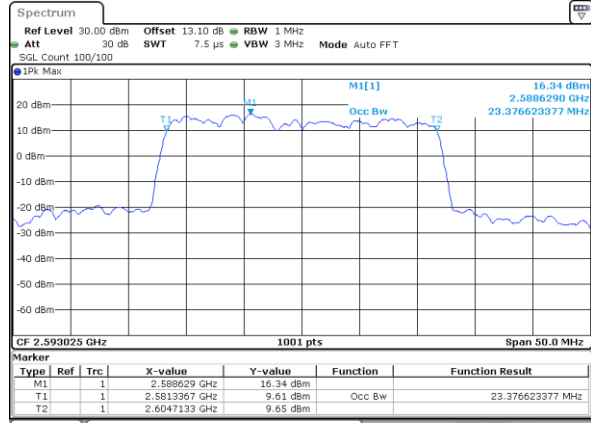
LTE Band 41C

64QAM

Middle Channel / 5MHz+20MHz

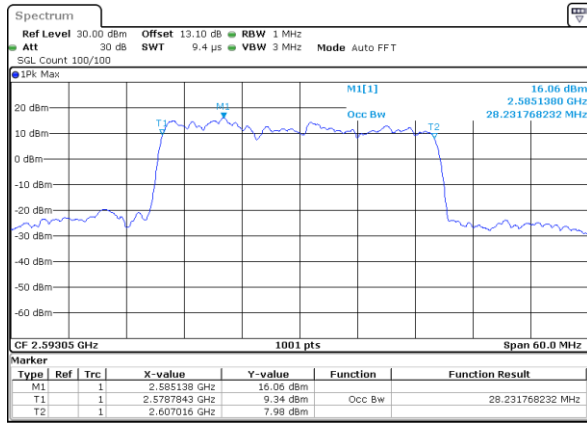


Middle Channel / 10MHz+15MHz

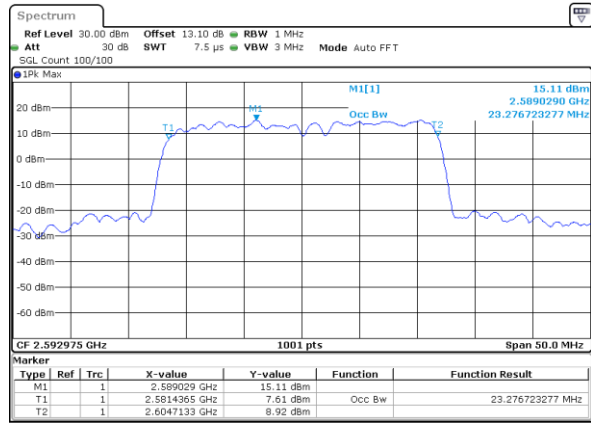


64QAM

Middle Channel / 10MHz+20MHz

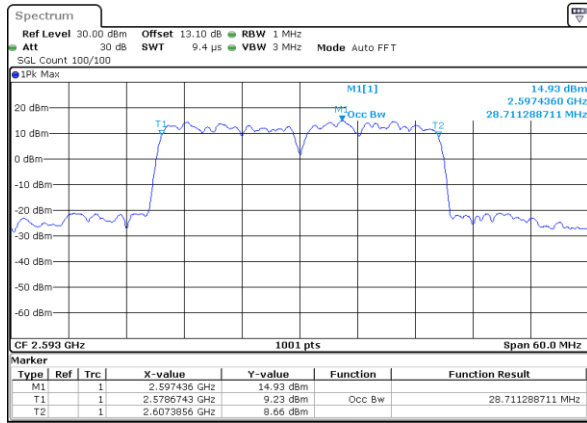


Middle Channel / 15MHz+10MHz

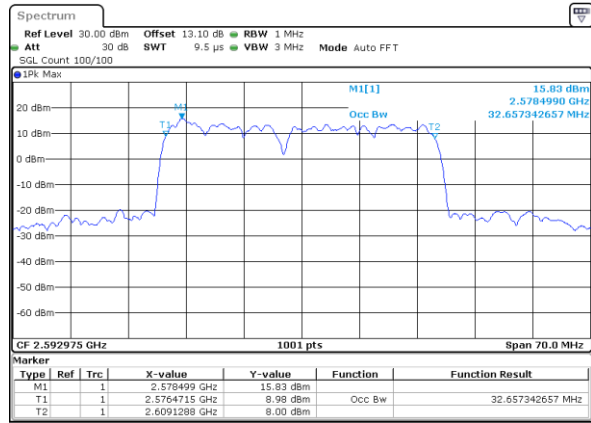


64QAM

Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

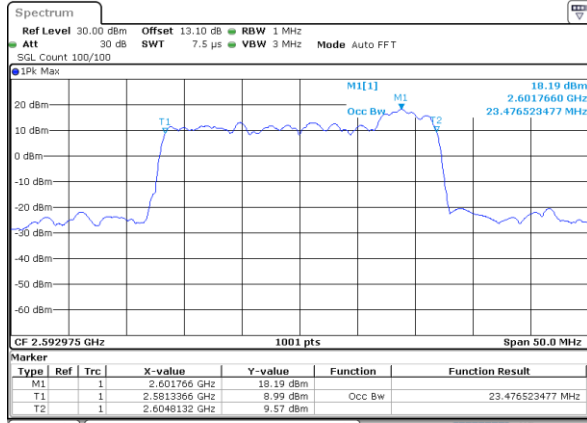




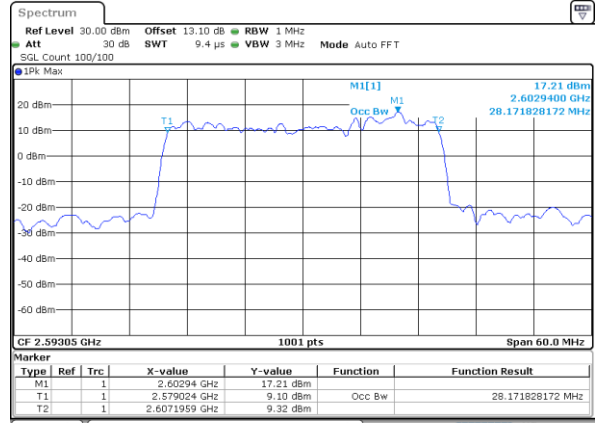
LTE Band 41C

64QAM

Middle Channel / 20MHz+5MHz

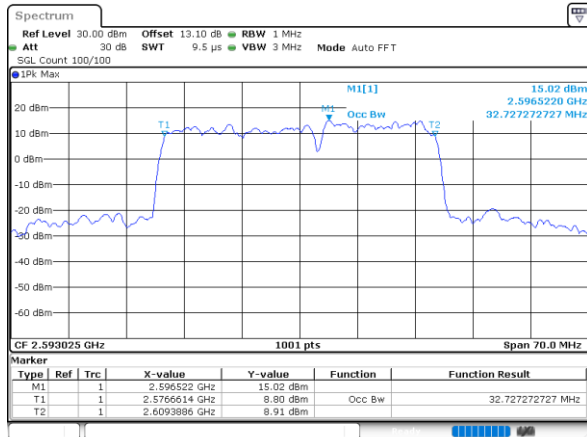


Middle Channel / 20MHz+10MHz

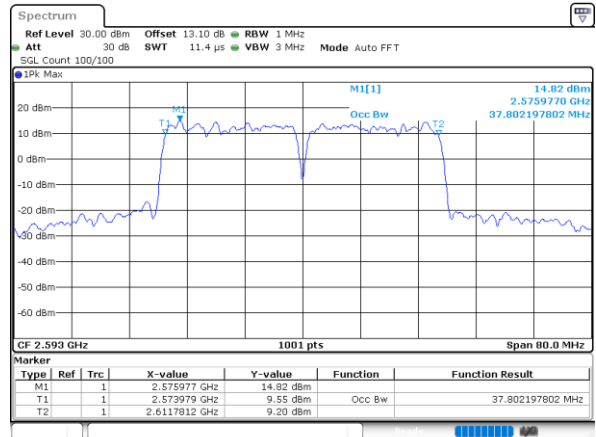


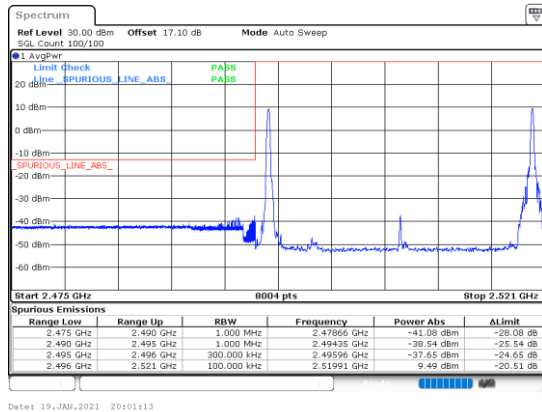
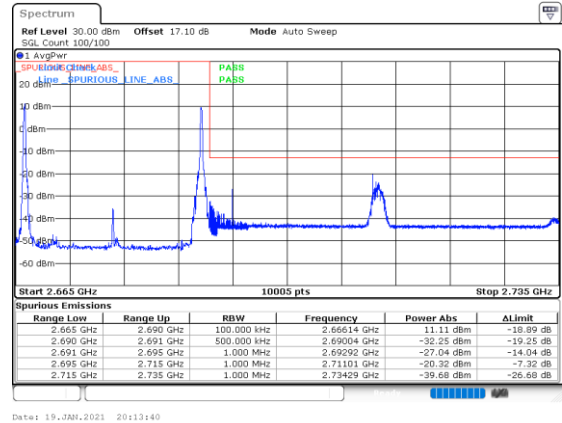
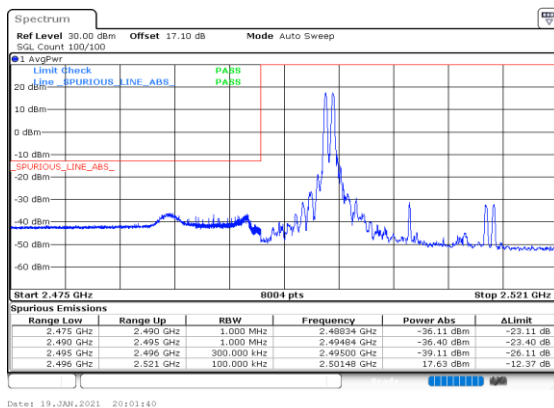
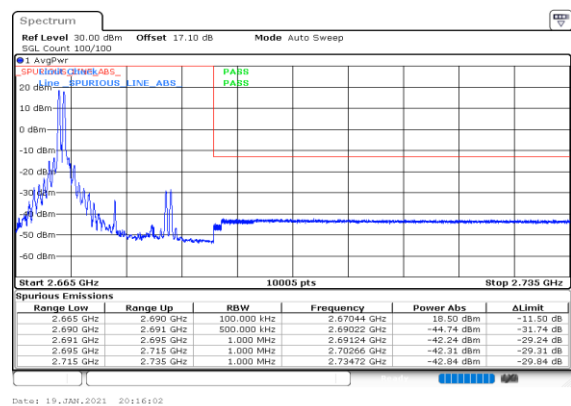
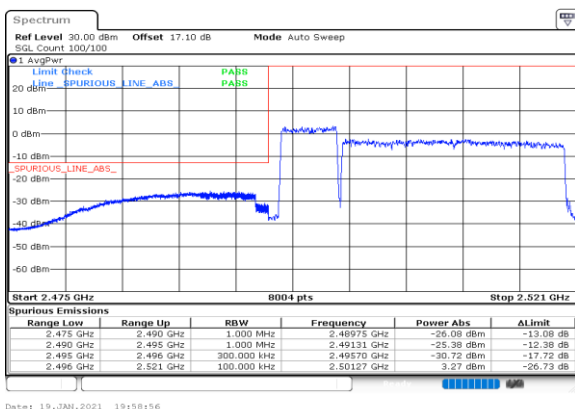
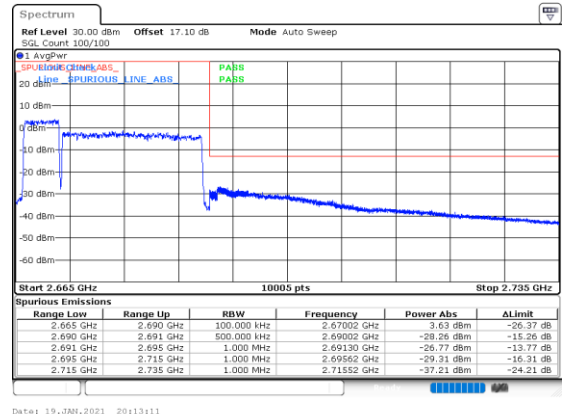
64QAM

Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



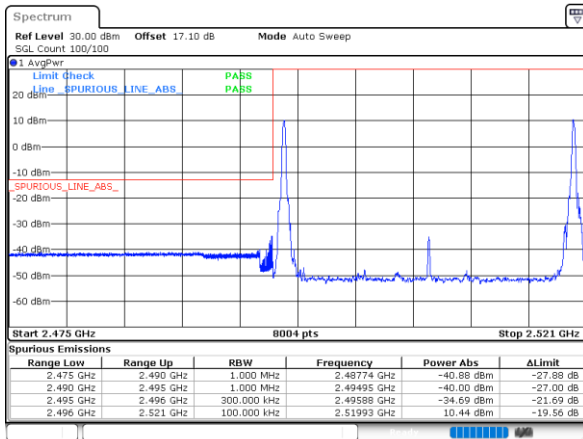
**Conducted Band Edge****LTE Band 41C / 5MHz+20MHz****QPSK****Lowest Band Edge / 1RB0 and 1RB99****Highest Band Edge / 1RB0 and 1RB99****Lowest Band Edge / 1RB24 and 1RB0****Highest Band Edge / 1RB24 and 1RB0****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



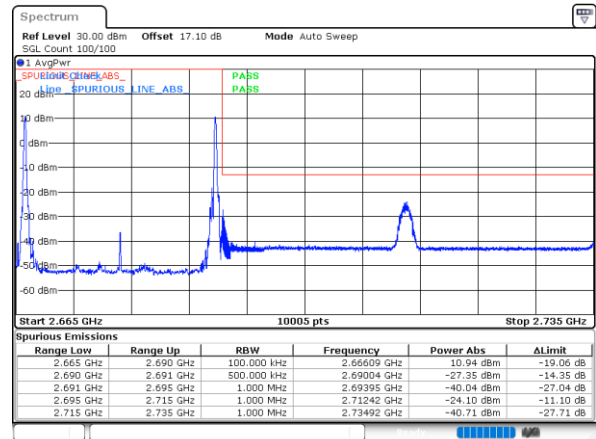
LTE Band 41C / 10MHz+15MHz

QPSK

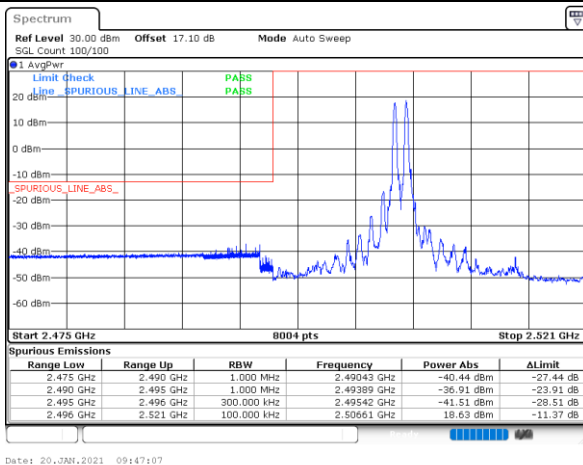
Lowest Band Edge / 1RB0 and 1RB74



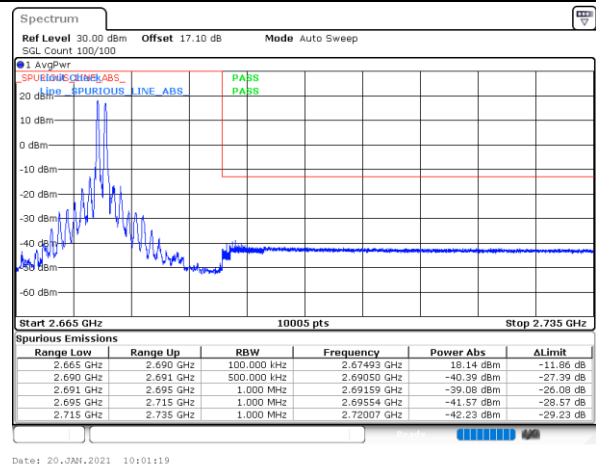
Highest Band Edge / 1RB0 and 1RB74



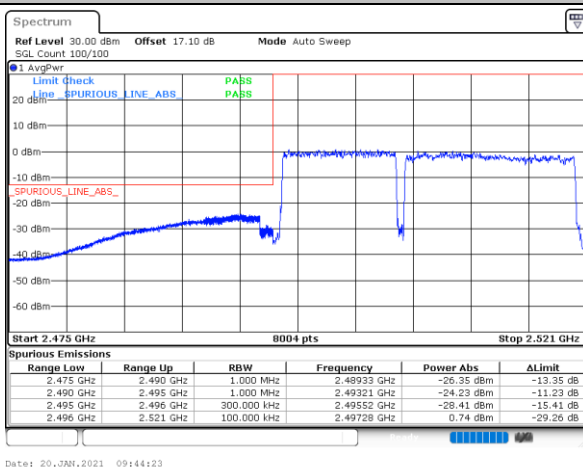
Lowest Band Edge / 1RB49 and 1RB0



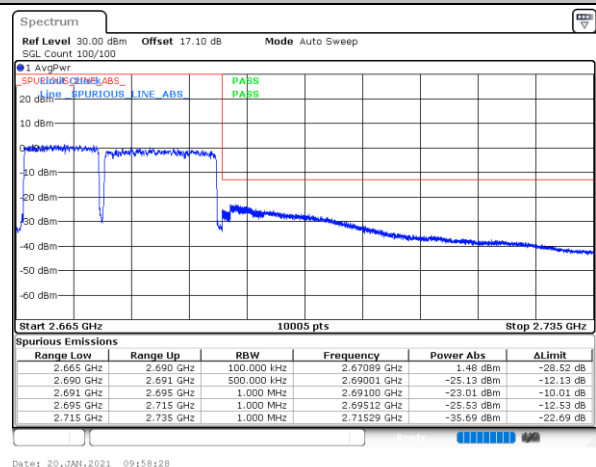
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

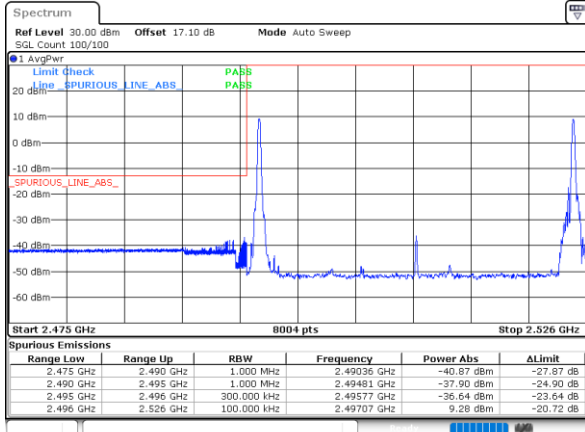




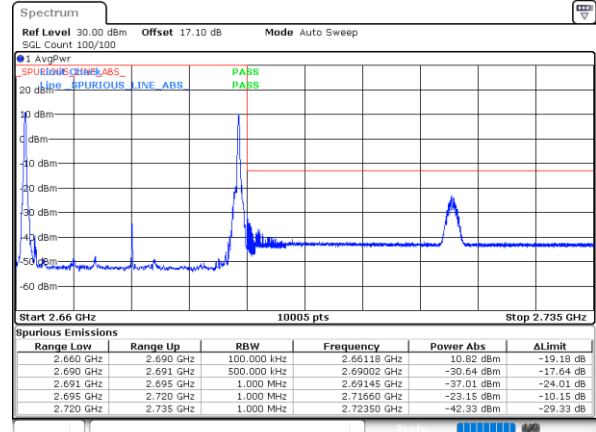
LTE Band 41C / 10MHz+20MHz

QPSK

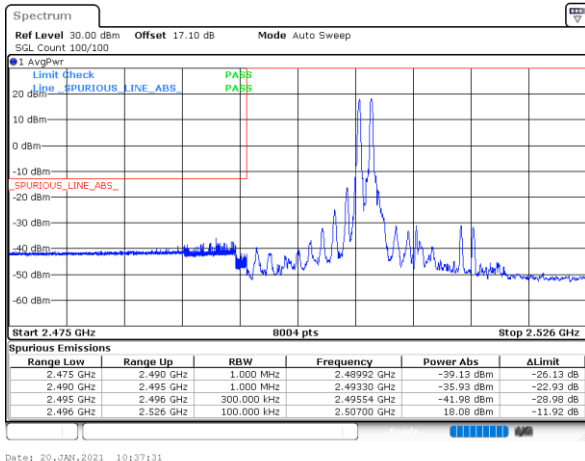
Lowest Band Edge / 1RB0 and 1RB99



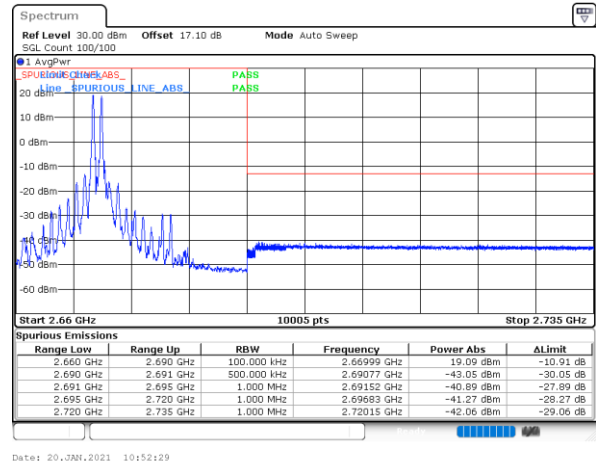
Highest Band Edge / 1RB0 and 1RB99



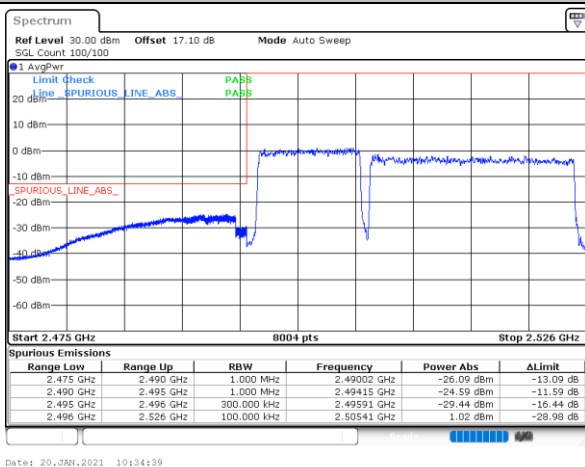
Lowest Band Edge / 1RB49 and 1RB0



Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

