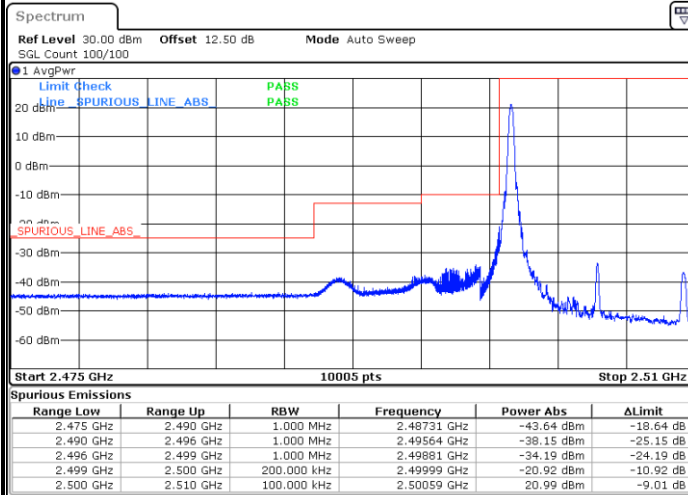


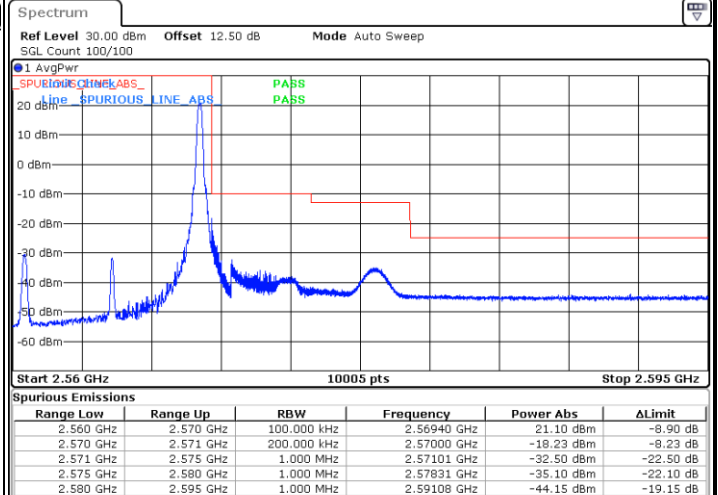


LTE Band 7 / 10MHz / QPSK

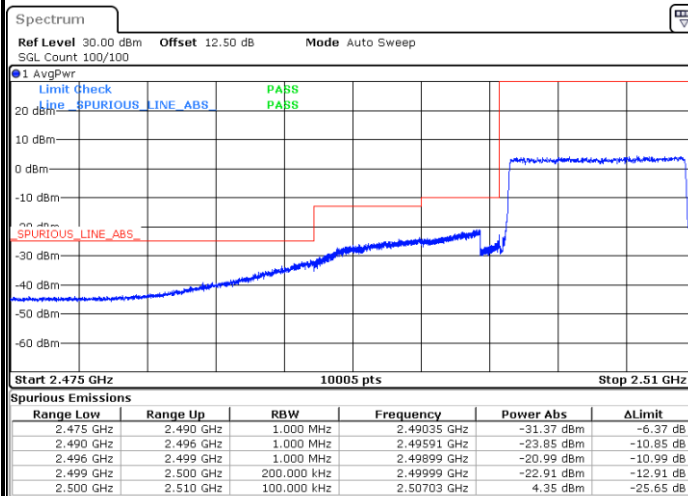
Lowest Band Edge / 1 RB



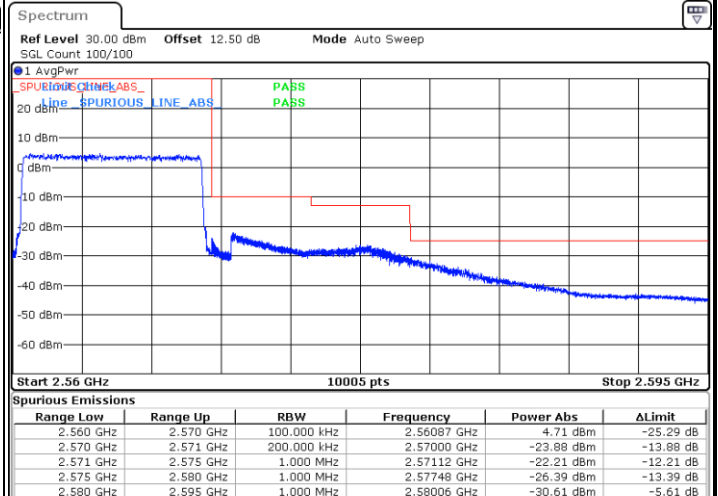
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



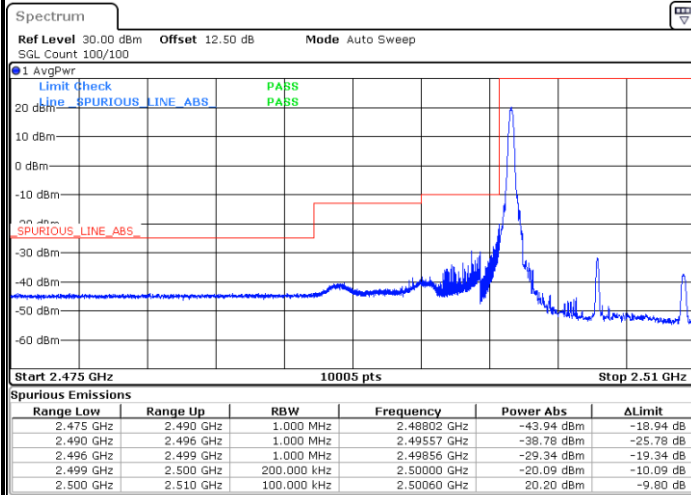
Highest Band Edge / Full RB



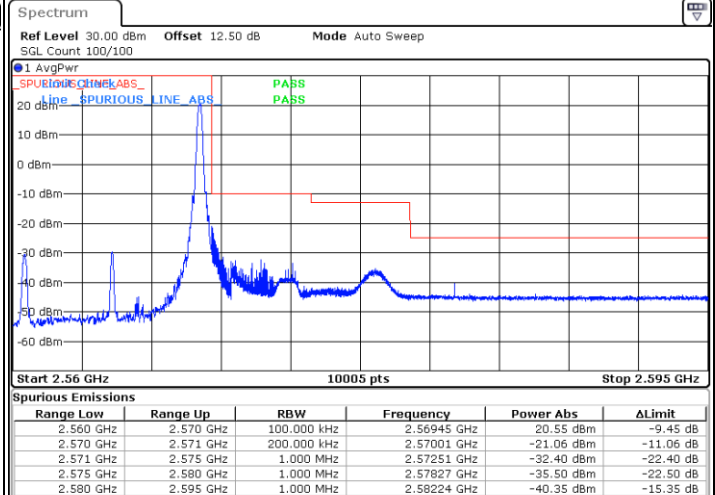


LTE Band 7 / 10MHz / 16QAM

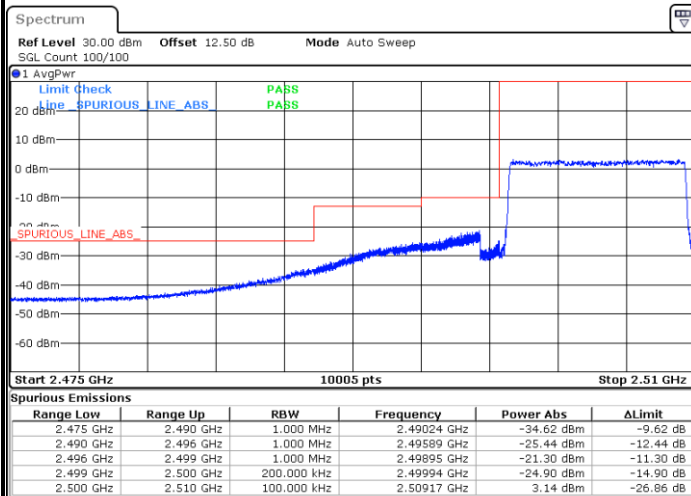
Lowest Band Edge / 1 RB



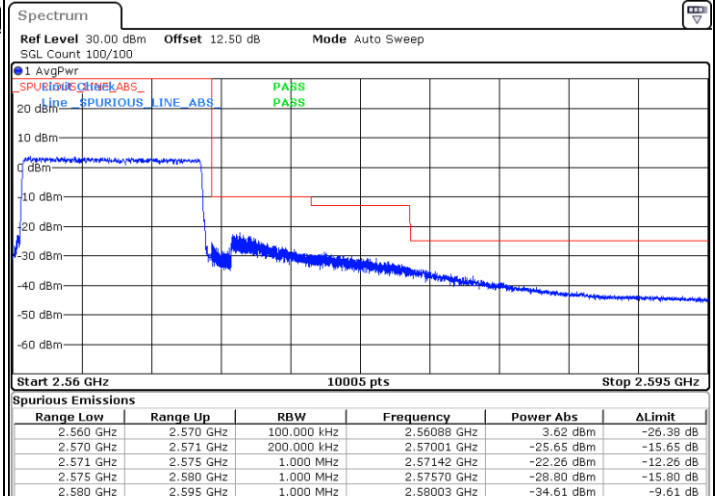
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



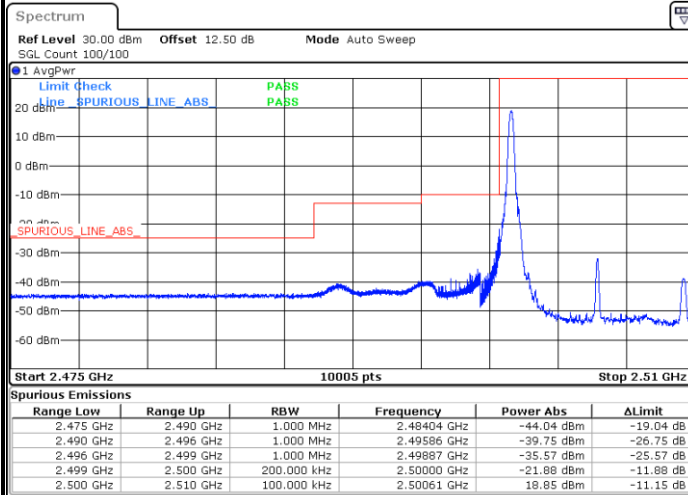
Highest Band Edge / Full RB



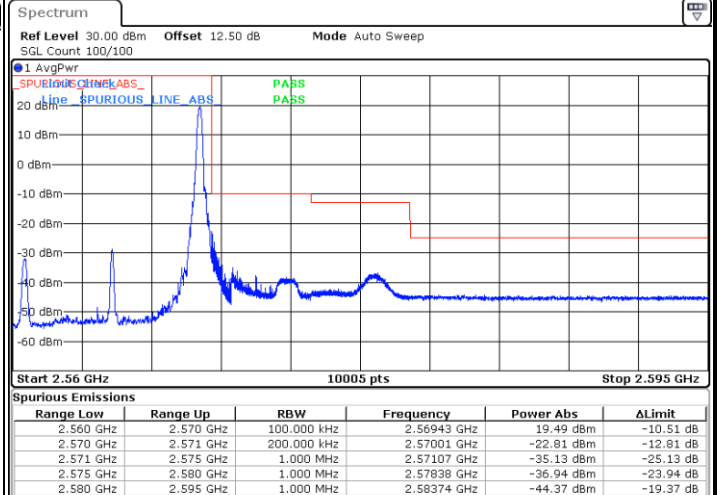


LTE Band 7 / 10MHz / 64QAM

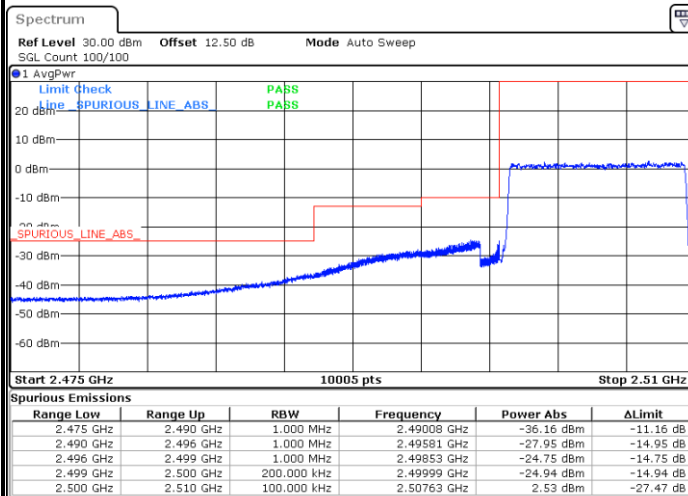
Lowest Band Edge / 1 RB



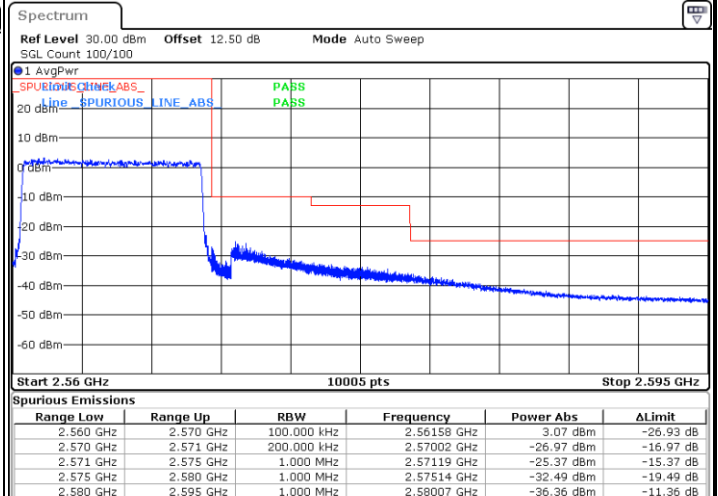
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



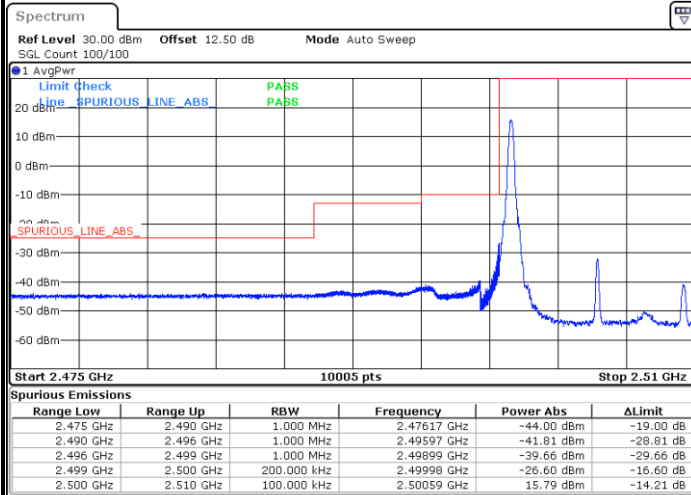
Highest Band Edge / Full RB



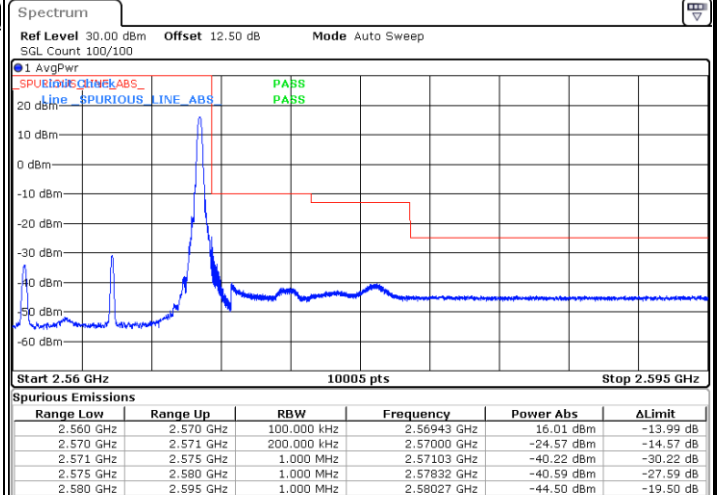


LTE Band 7 / 10MHz / 256QAM

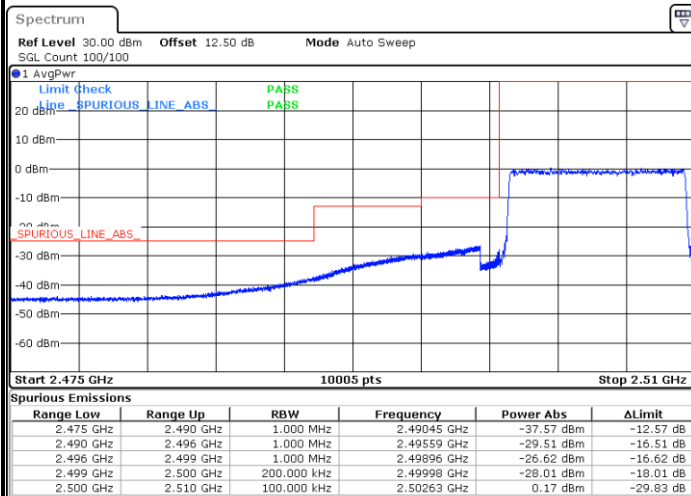
Lowest Band Edge / 1 RB



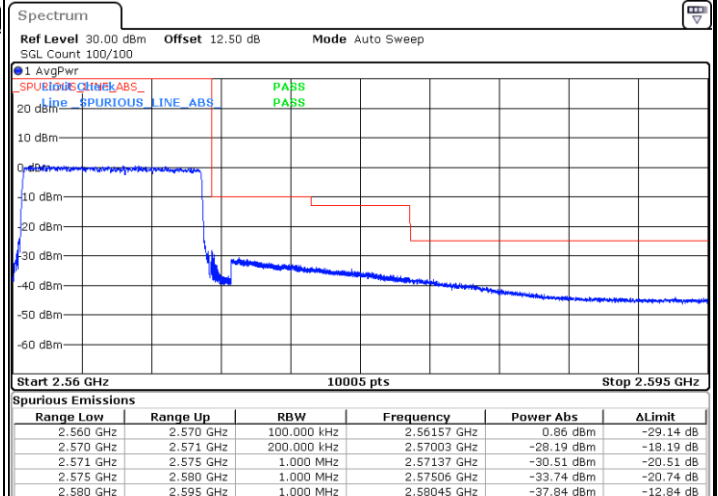
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



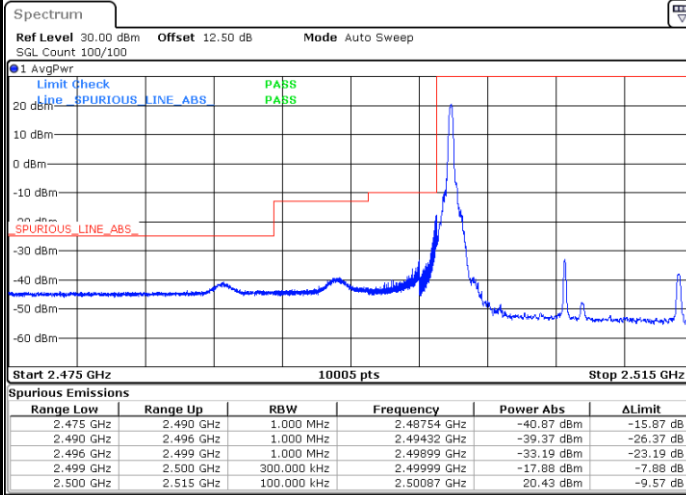
Highest Band Edge / Full RB



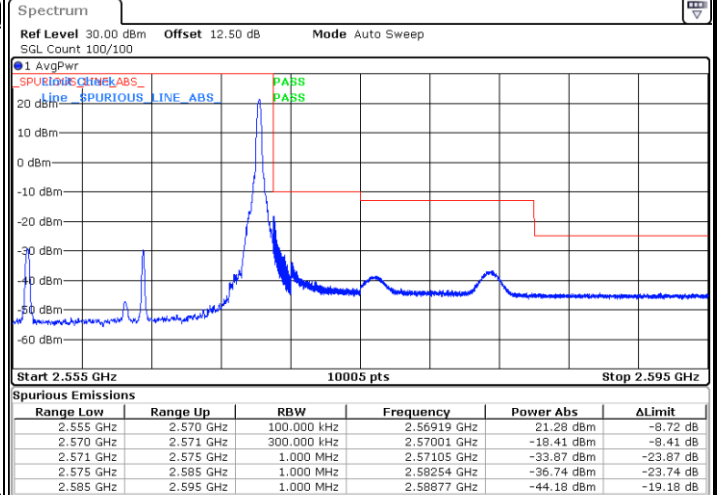


LTE Band 7 / 15MHz / QPSK

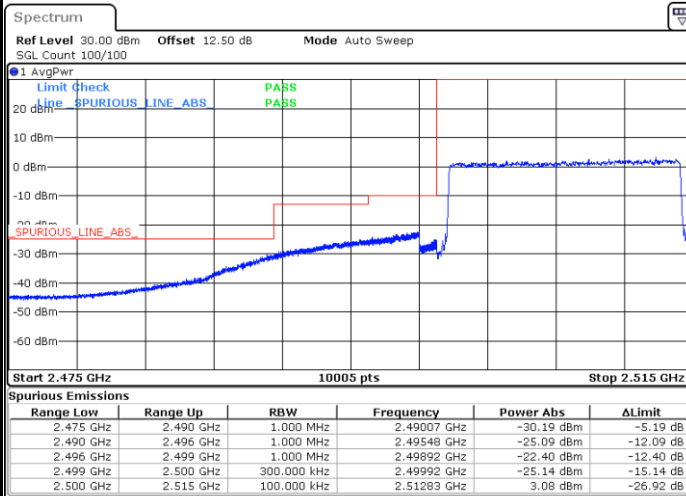
Lowest Band Edge / 1 RB



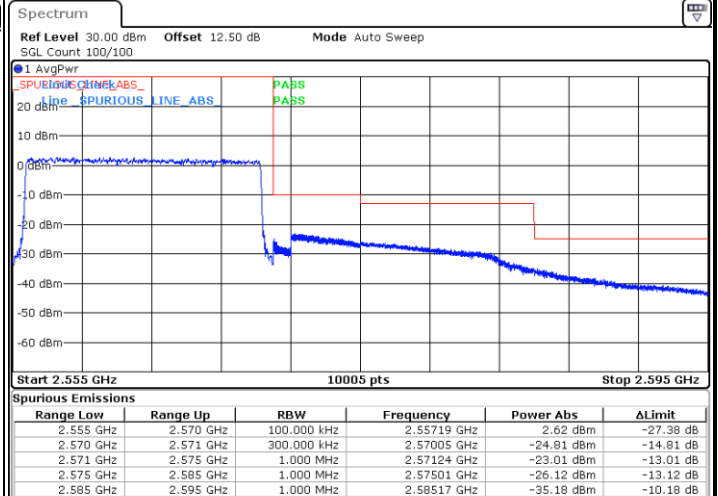
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



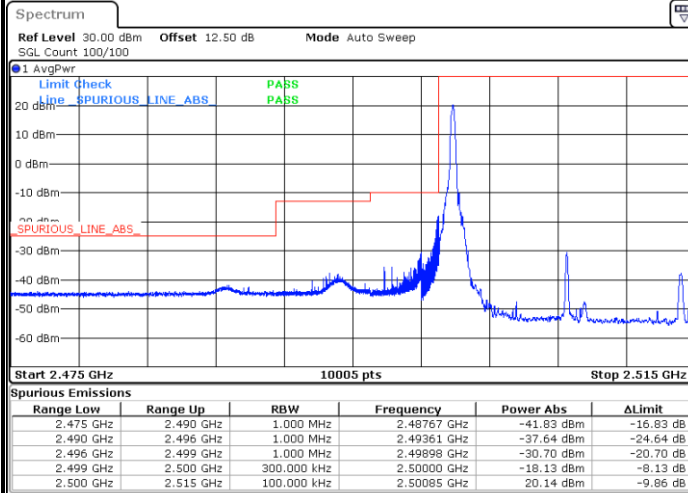
Highest Band Edge / Full RB



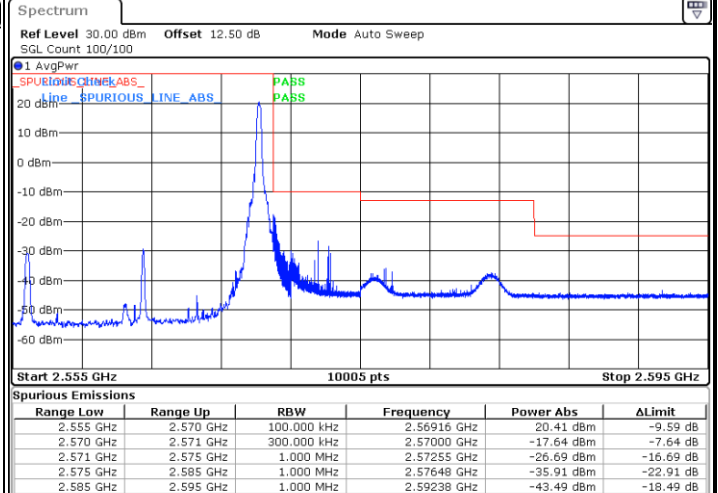


LTE Band 7 / 15MHz / 16QAM

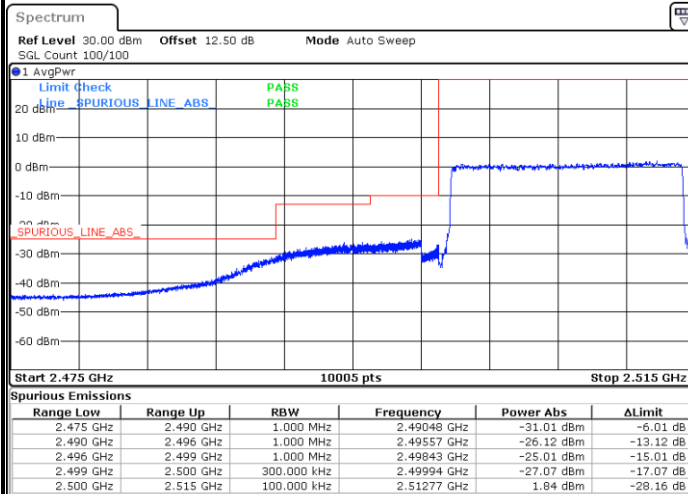
Lowest Band Edge / 1 RB



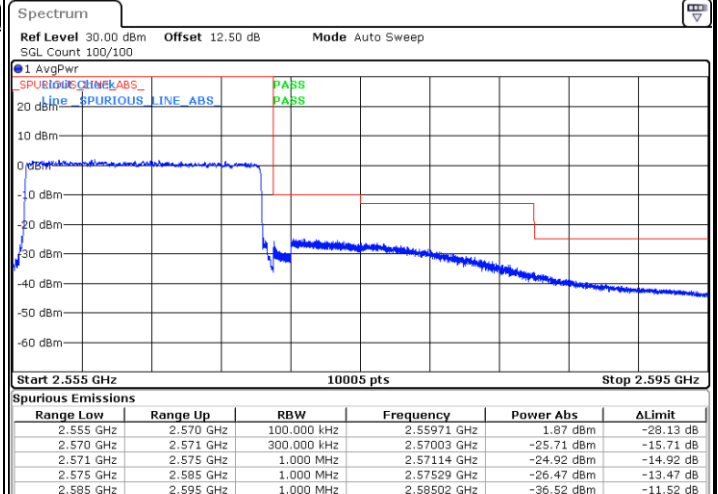
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



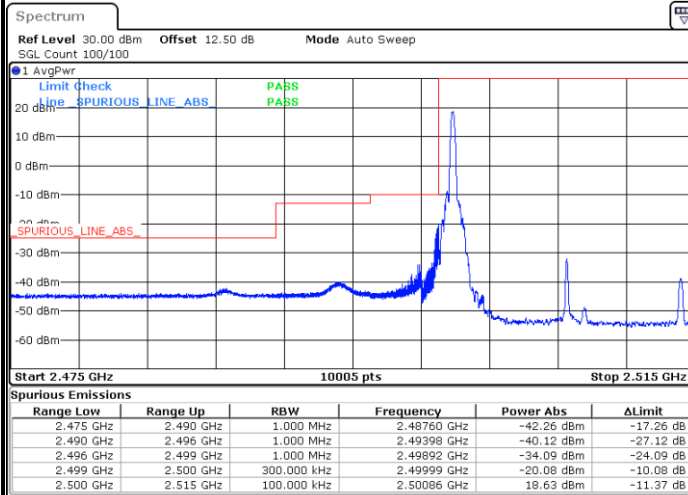
Highest Band Edge / Full RB





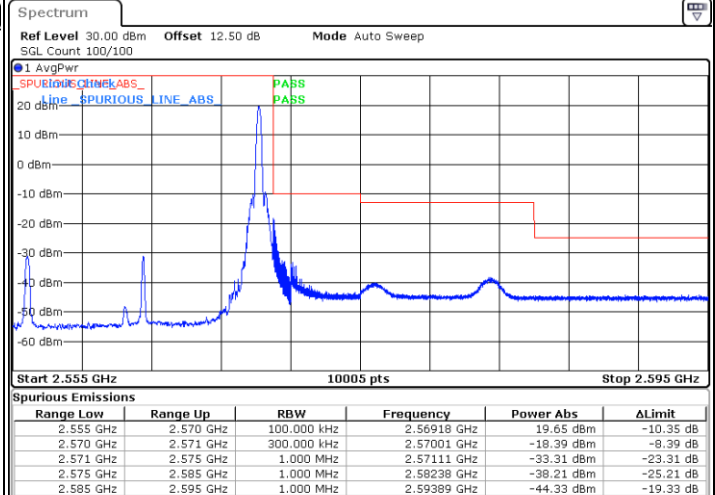
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



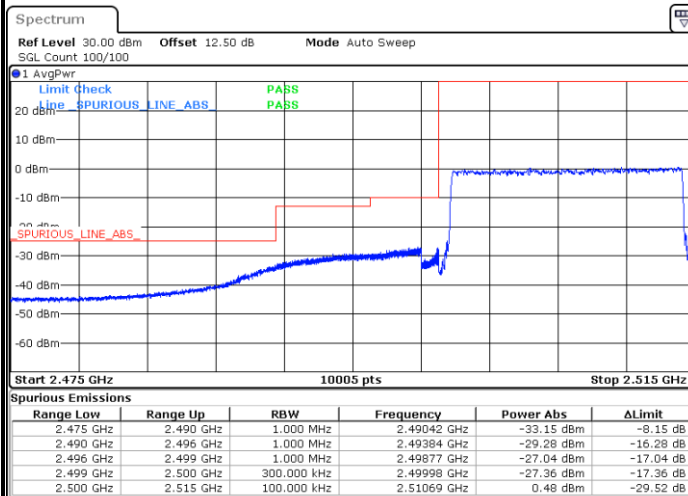
Date: 13.AUG.2022 23:59:26

Highest Band Edge / 1 RB



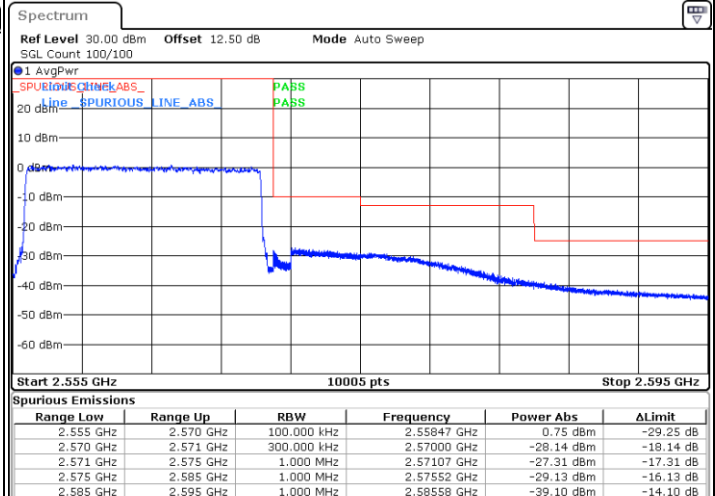
Date: 14.AUG.2022 00:01:50

Lowest Band Edge / Full RB



Date: 14.AUG.2022 00:00:16

Highest Band Edge / Full RB

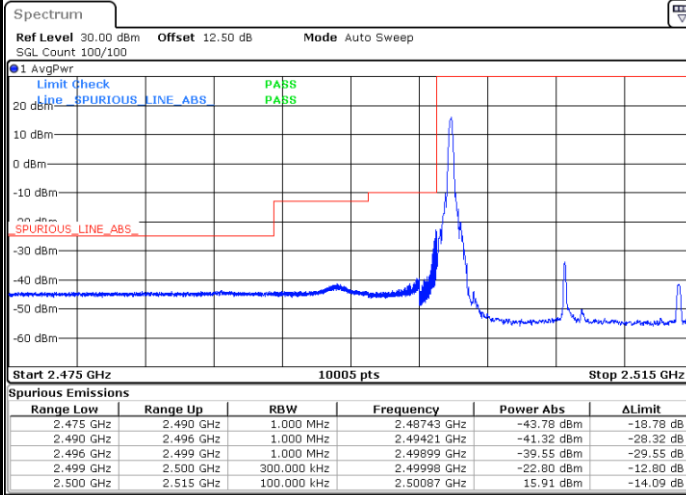


Date: 14.AUG.2022 00:02:40

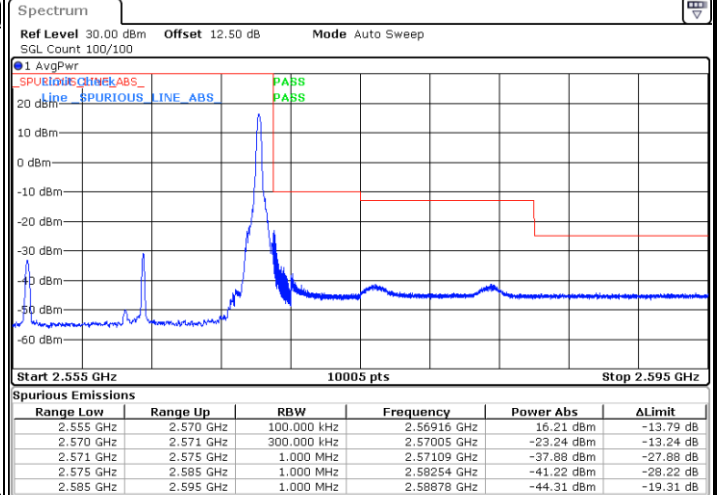


LTE Band 7 / 15MHz / 256QAM

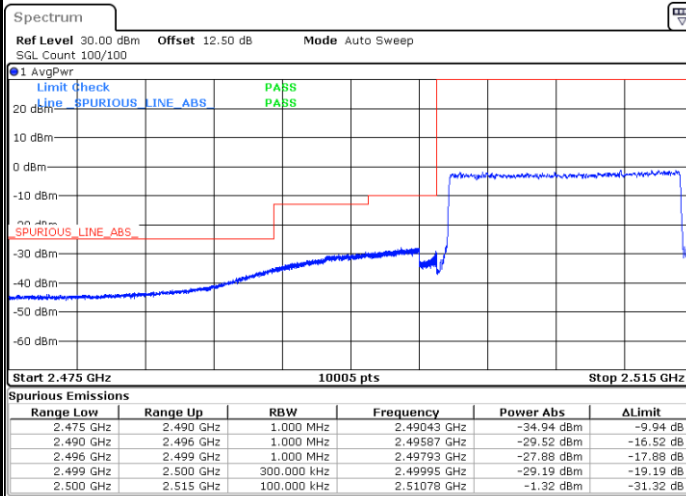
Lowest Band Edge / 1 RB



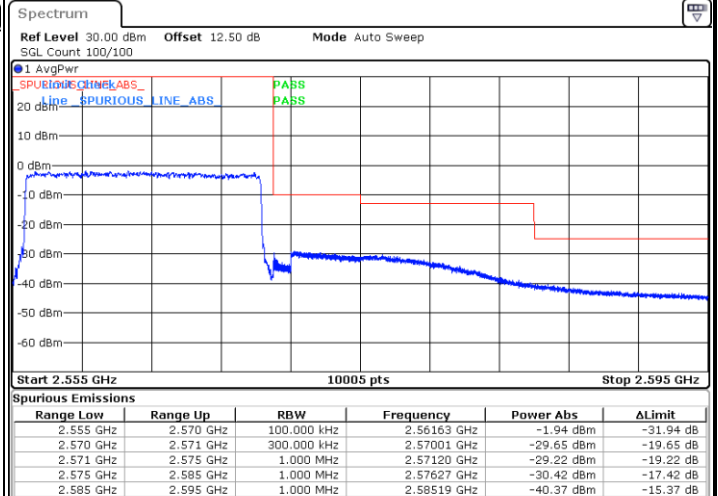
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



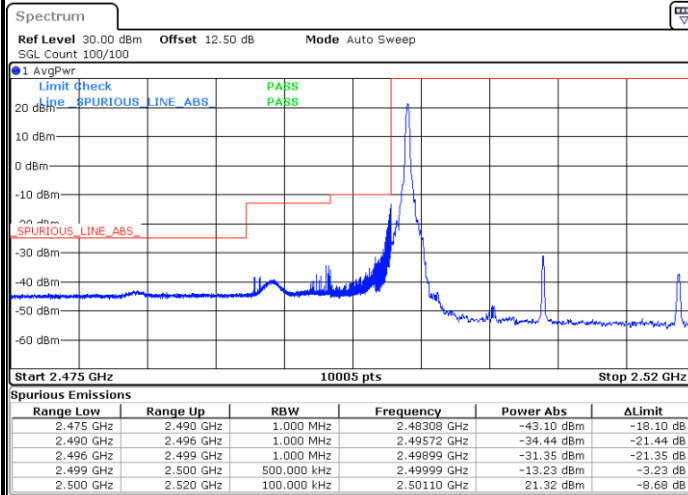
Highest Band Edge / Full RB



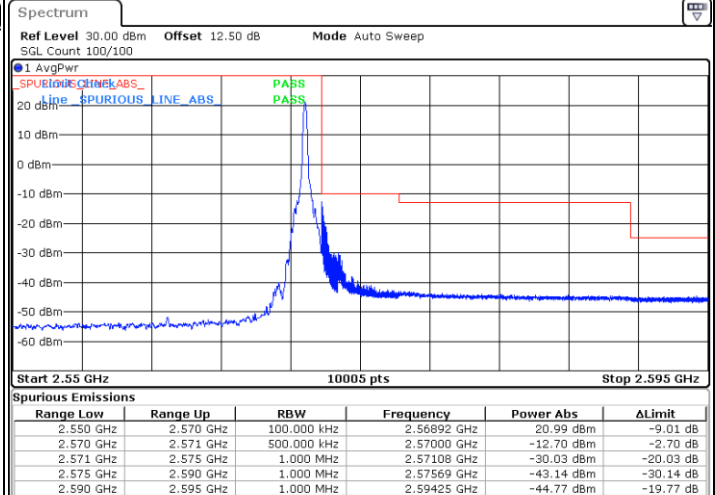


LTE Band 7 / 20MHz / QPSK

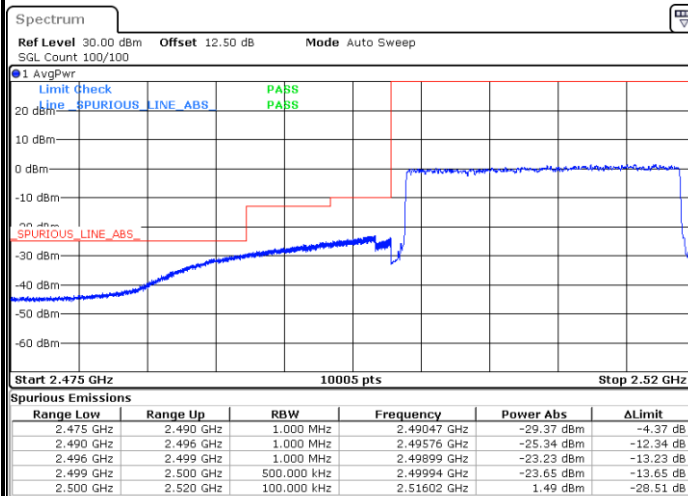
Lowest Band Edge / 1 RB



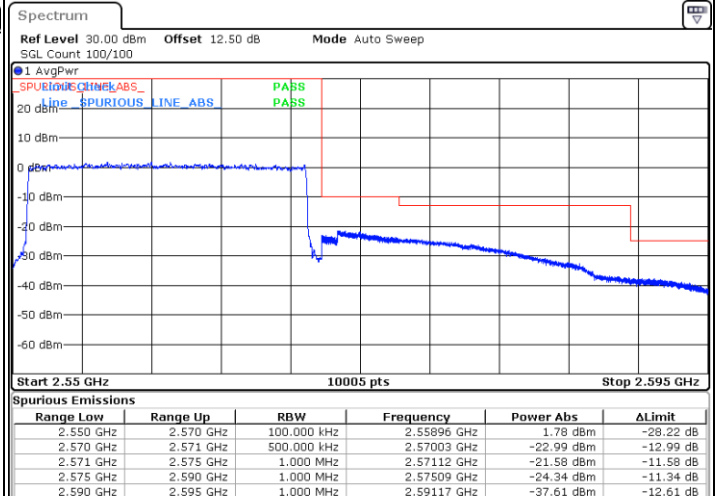
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



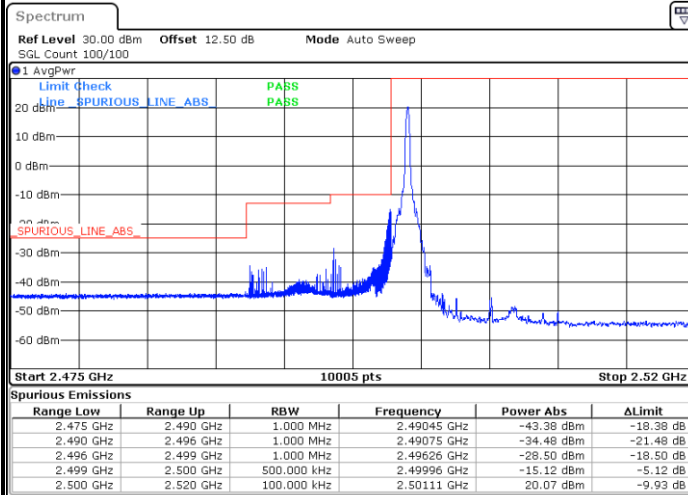
Highest Band Edge / Full RB



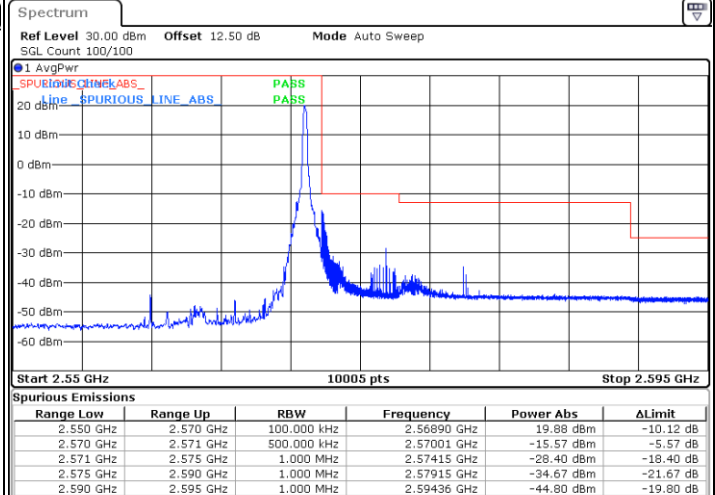


LTE Band 7 / 20MHz / 16QAM

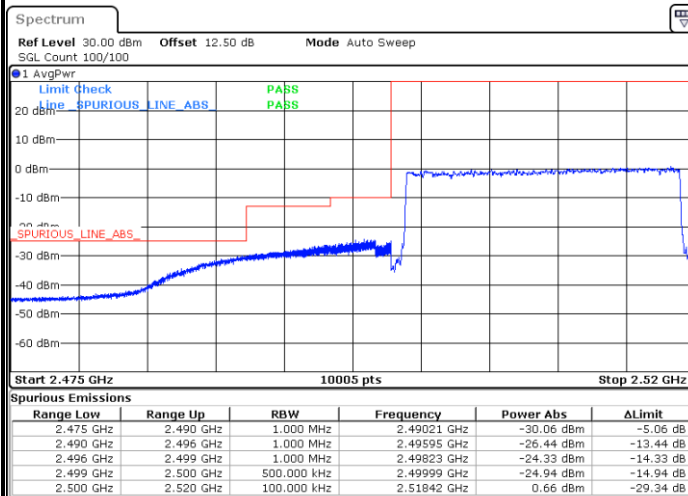
Lowest Band Edge / 1 RB



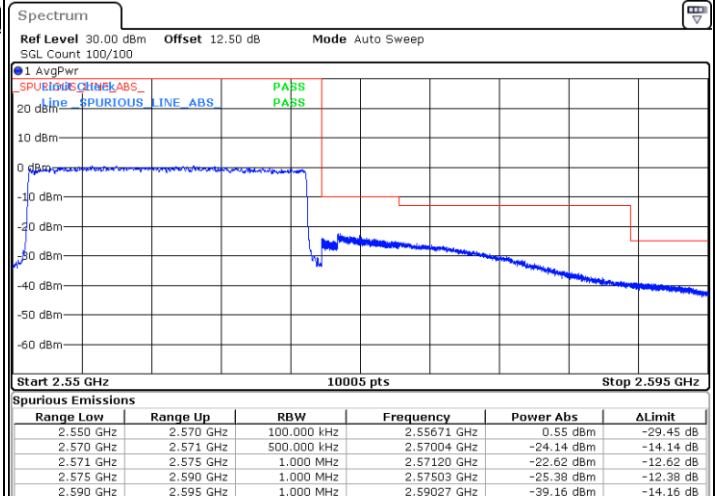
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



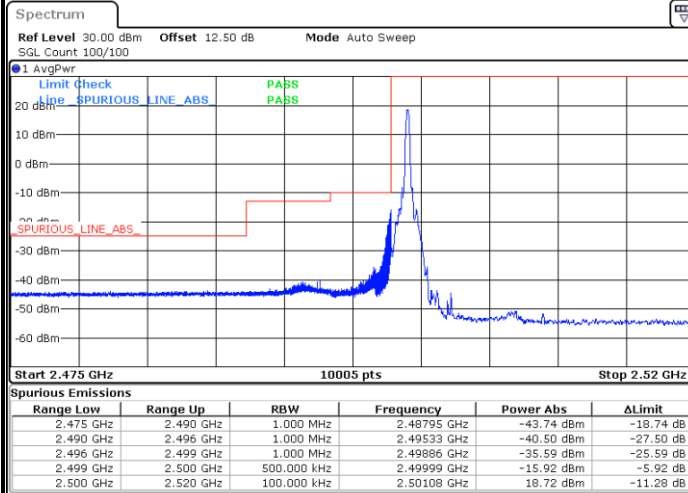
Highest Band Edge / Full RB





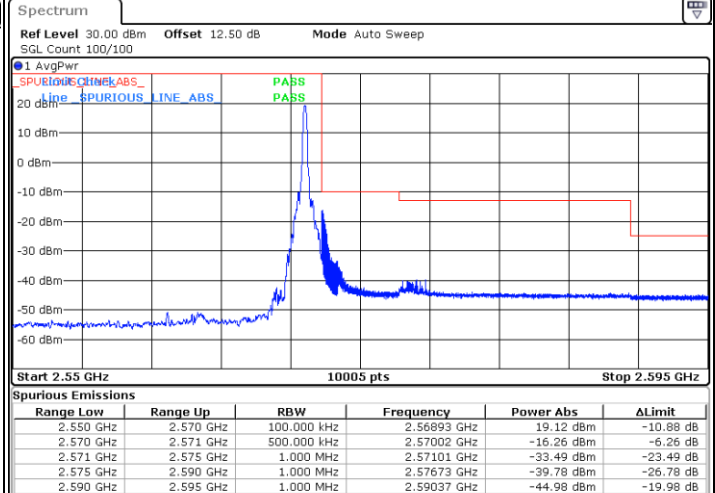
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



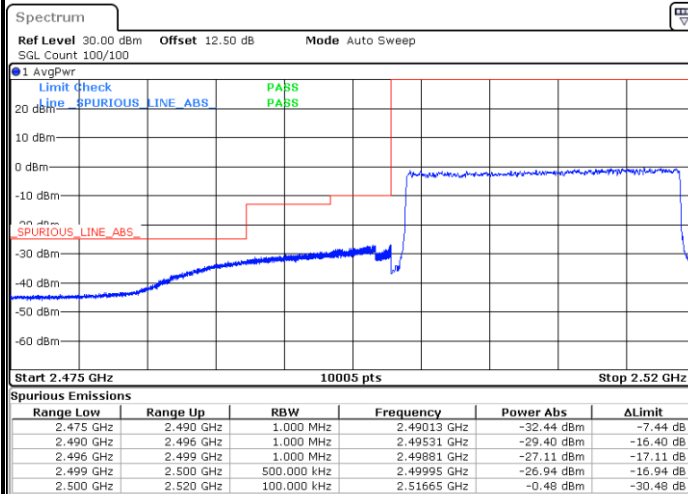
Date: 14.AUG.2022 00:29:40

Highest Band Edge / 1 RB



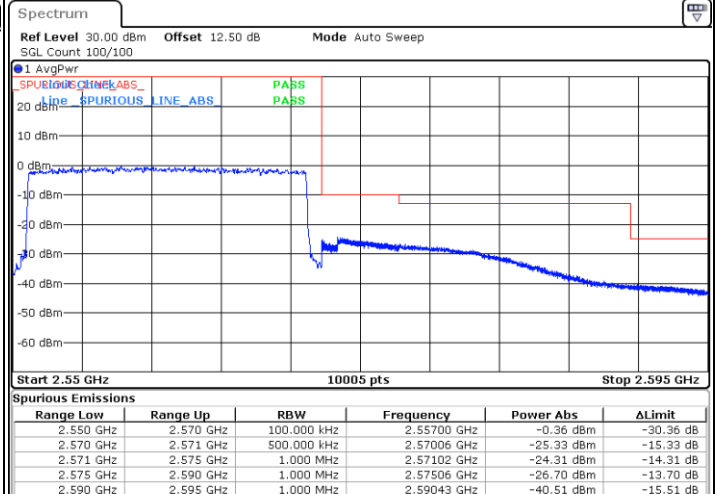
Date: 14.AUG.2022 00:31:58

Lowest Band Edge / Full RB



Date: 14.AUG.2022 00:30:25

Highest Band Edge / Full RB

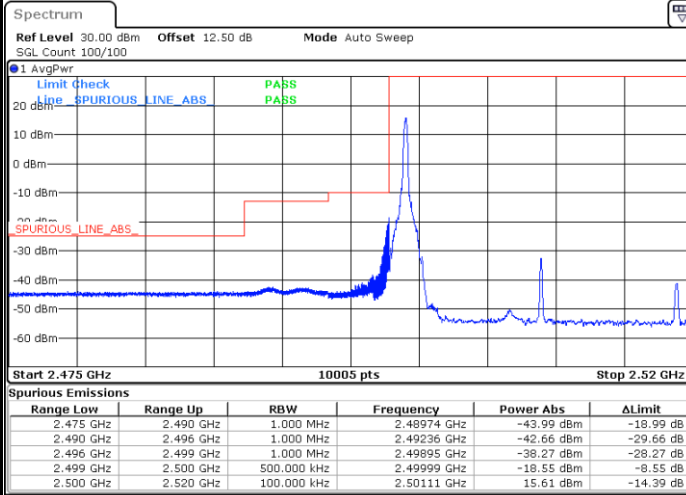


Date: 14.AUG.2022 00:32:43

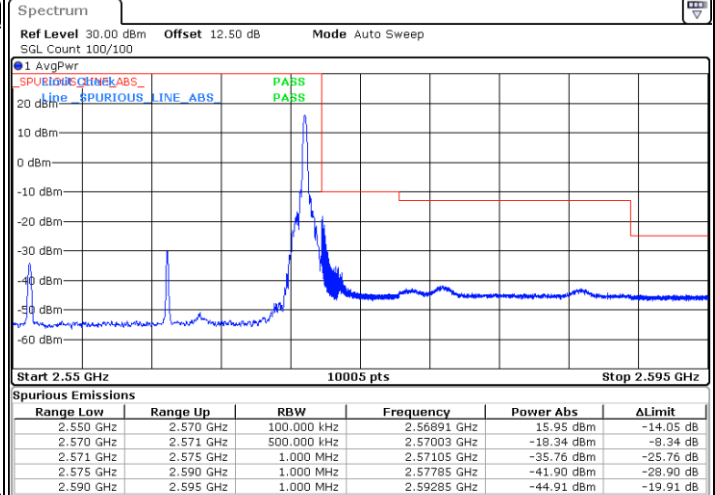


LTE Band 7 / 20MHz / 256QAM

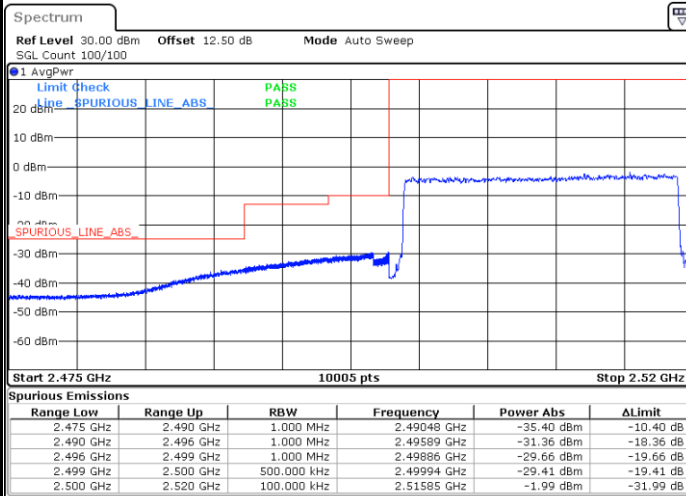
Lowest Band Edge / 1 RB



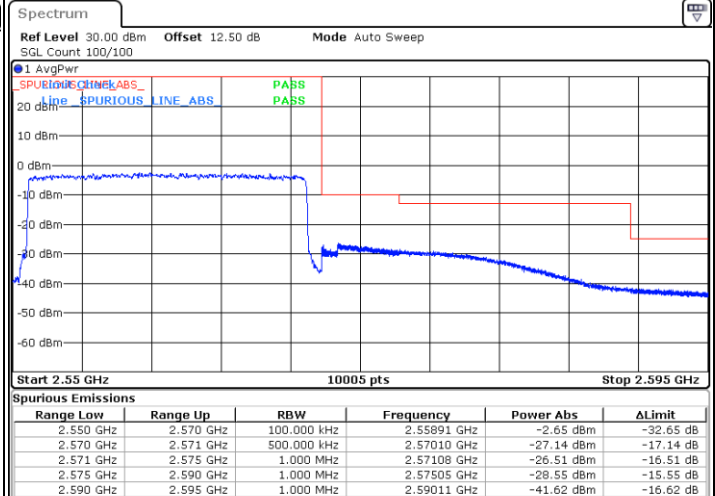
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

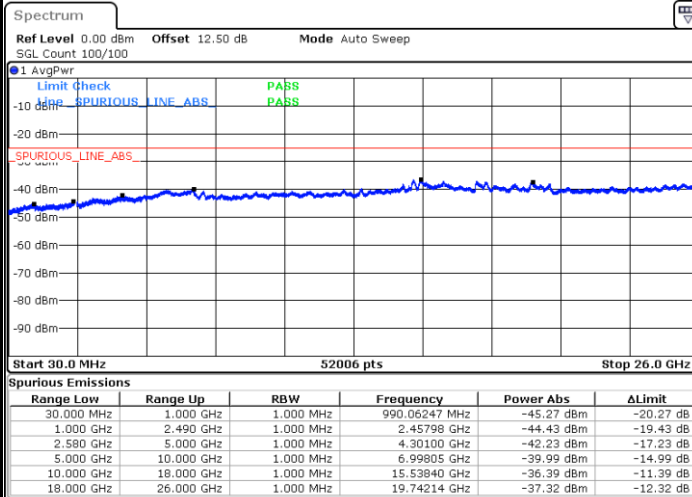




Conducted Spurious Emission

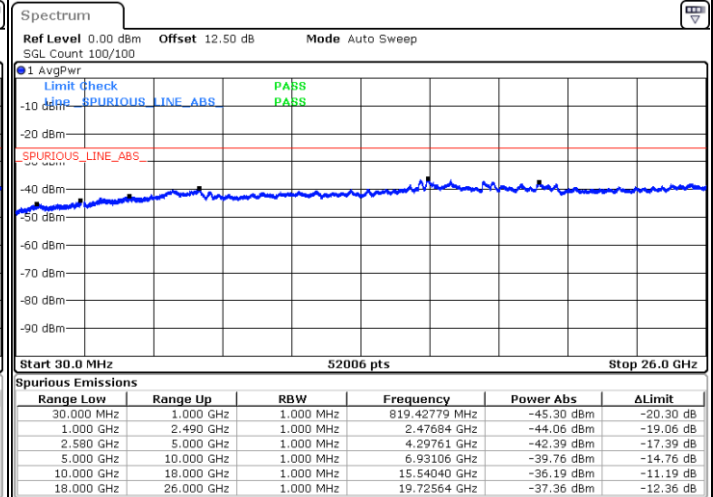
LTE Band 7 / 5MHz

Lowest Channel / QPSK



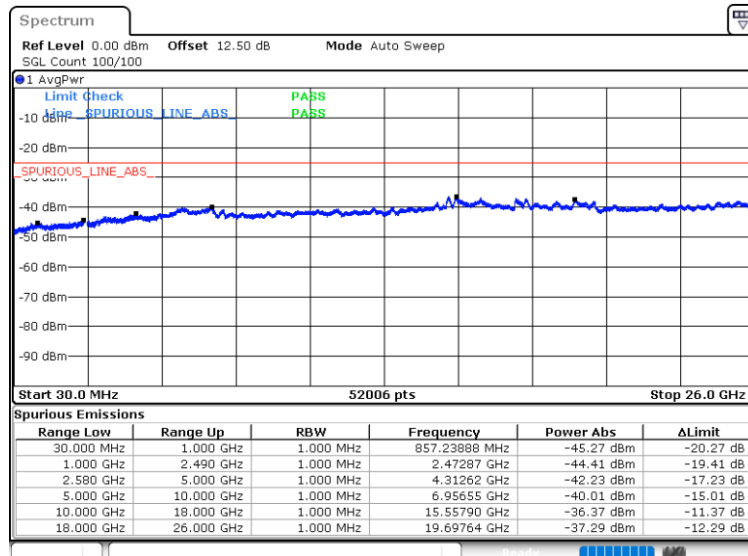
Date: 13.AUG.2022 23:18:50

Middle Channel / QPSK



Date: 13.AUG.2022 23:21:53

Highest Channel / QPSK

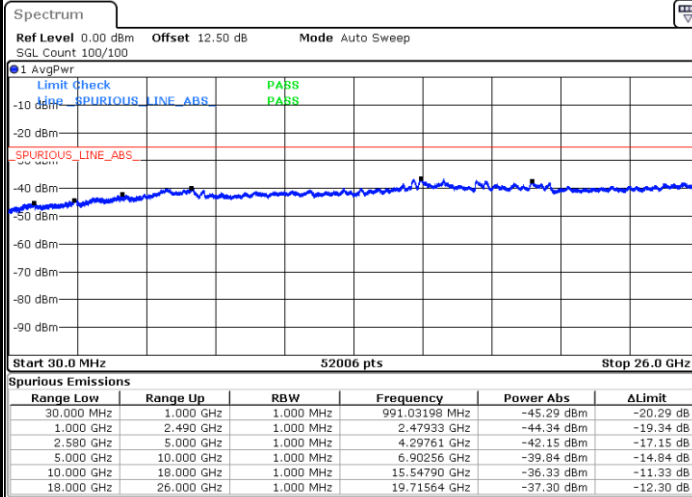


Date: 13.AUG.2022 23:26:21



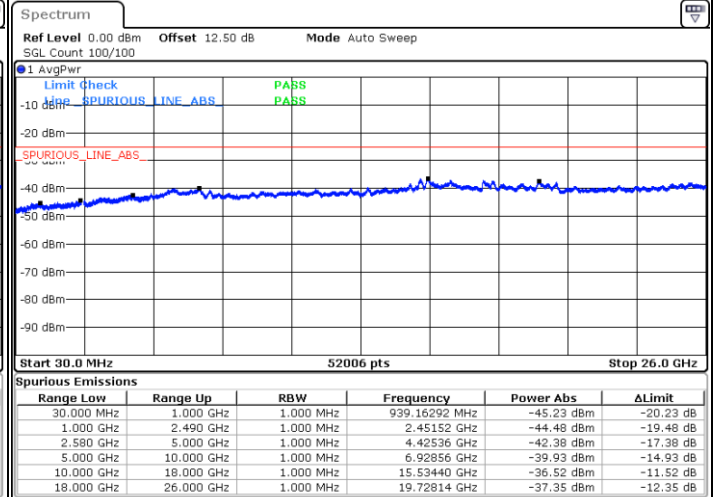
LTE Band 7 / 10MHz

Lowest Channel / QPSK



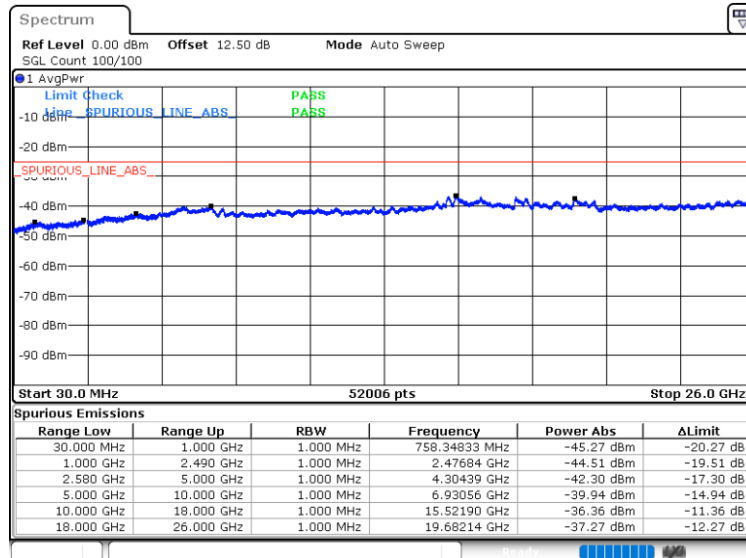
Date: 13.AUG.2022 23:34:58

Middle Channel / QPSK



Date: 13.AUG.2022 23:38:01

Highest Channel / QPSK

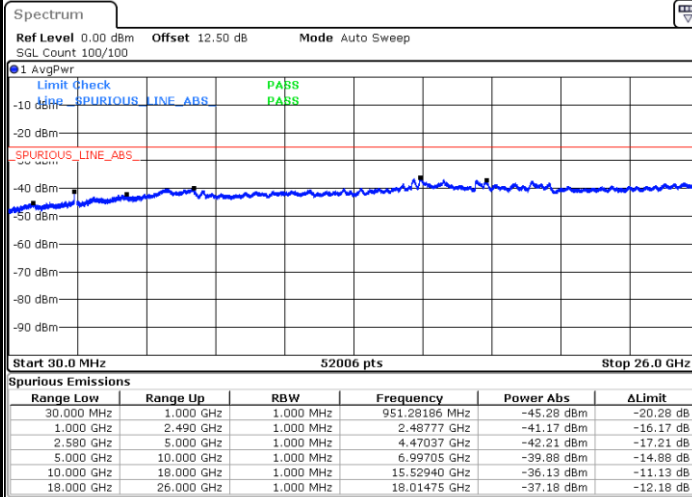


Date: 13.AUG.2022 23:42:29



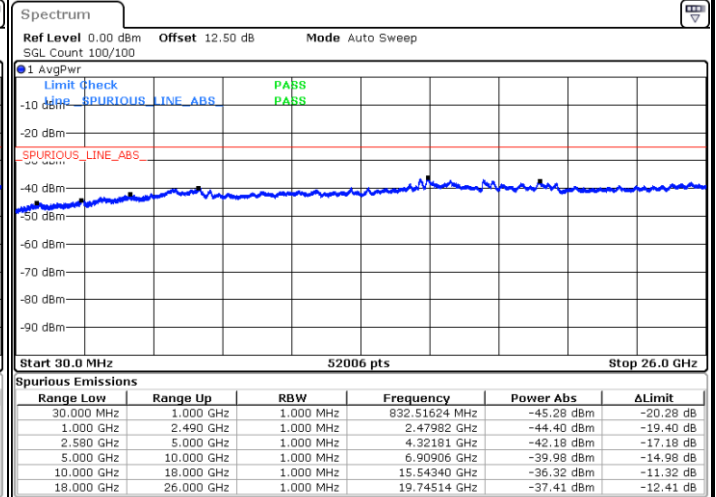
LTE Band 7 / 15MHz

Lowest Channel / QPSK



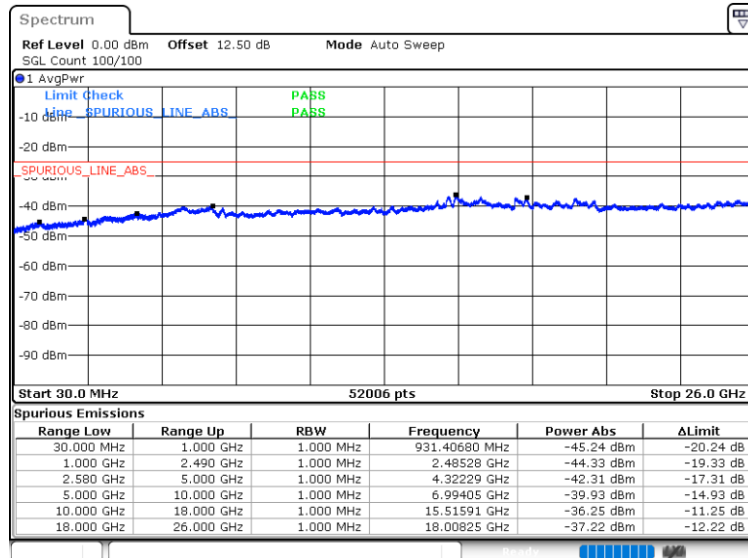
Date: 13.AUG.2022 23:51:06

Middle Channel / QPSK



Date: 13.AUG.2022 23:54:09

Highest Channel / QPSK

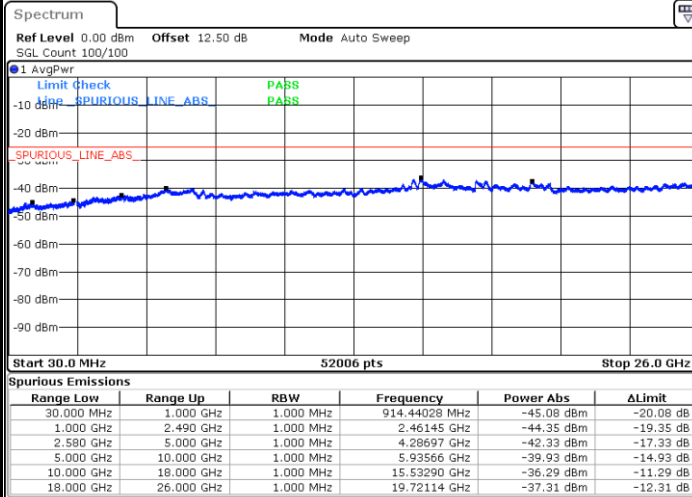


Date: 13.AUG.2022 23:58:37



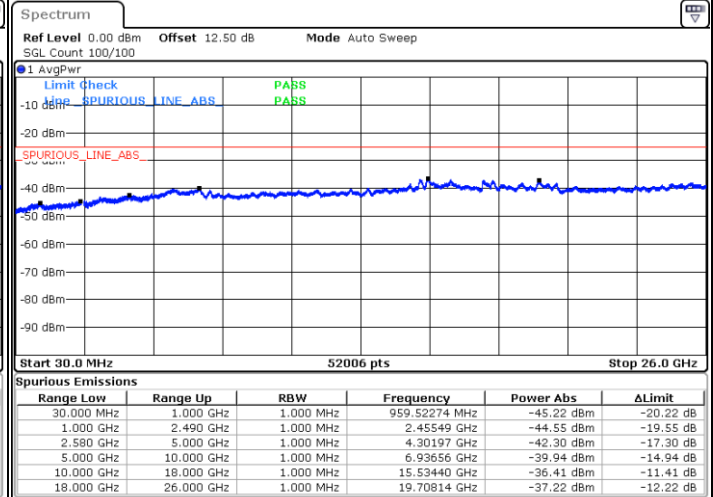
LTE Band 7 / 20MHz

Lowest Channel / QPSK



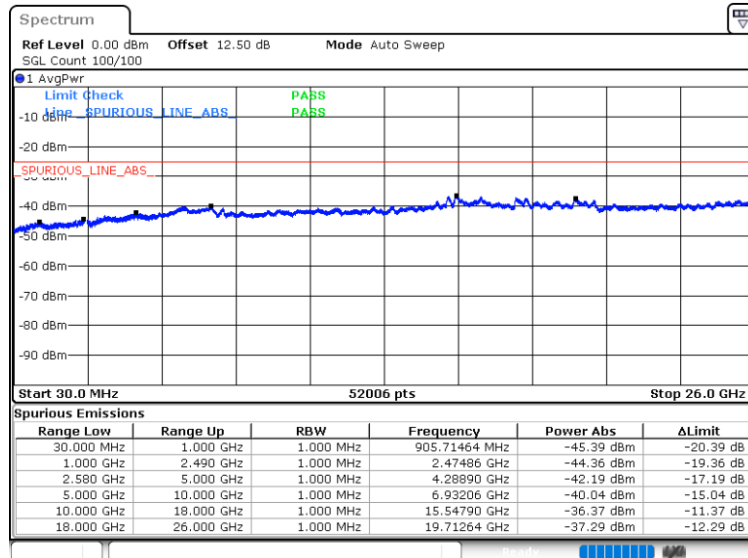
Date: 14.AUG.2022 00:22:19

Middle Channel / QPSK



Date: 14.AUG.2022 00:24:55

Highest Channel / QPSK



Date: 14.AUG.2022 00:28:56

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	0.0030	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0030	

Note:

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 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	30.21	25.33	30.69	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.15	34.97	39.88	

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.97	25.33	30.51	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.83	39.88	

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.91	25.28	30.63	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	35.04	39.80	

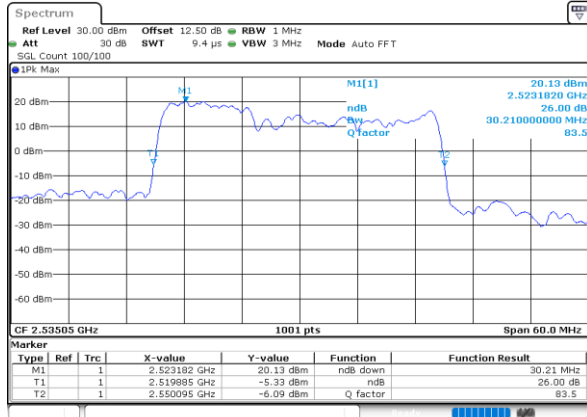
Mode	LTE Band 7C : 26dB BW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.67	25.28	30.45	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.15	35.04	39.80	



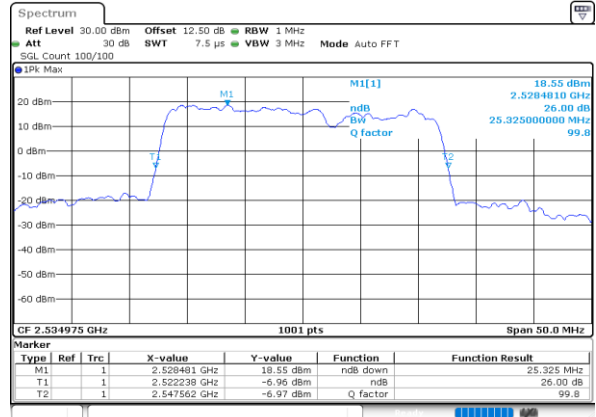
LTE Band 7C

QPSK

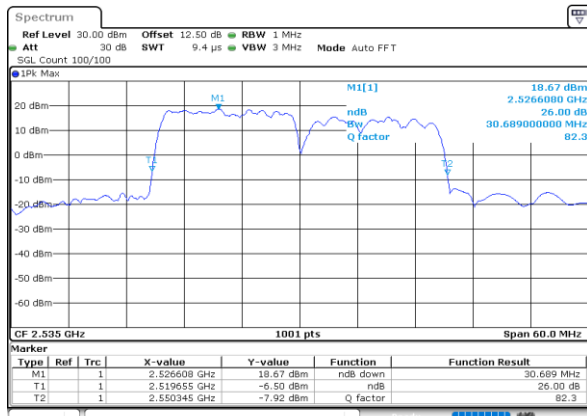
Middle Channel / 10MHz+20MHz



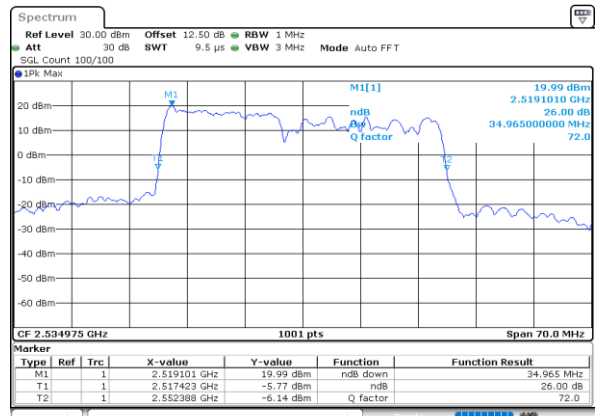
Middle Channel / 15MHz+10MHz



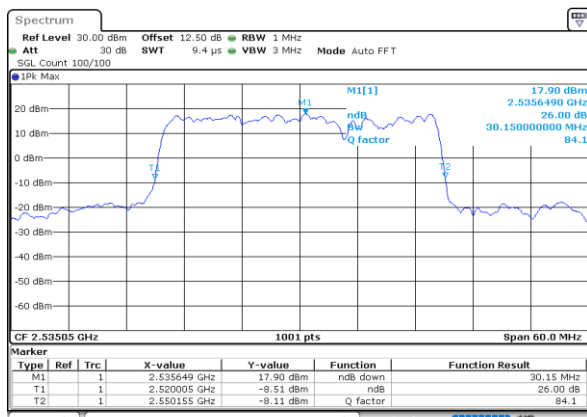
Middle Channel / 15MHz+15MHz



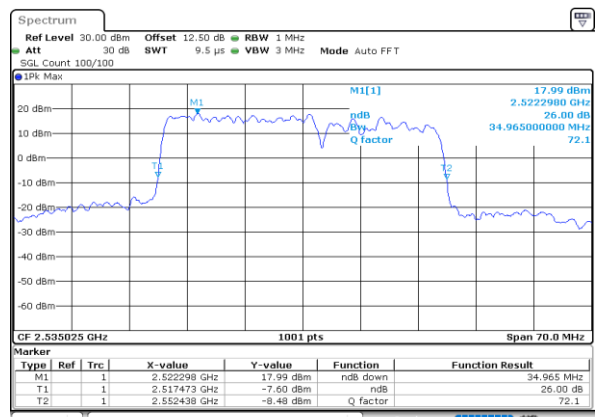
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



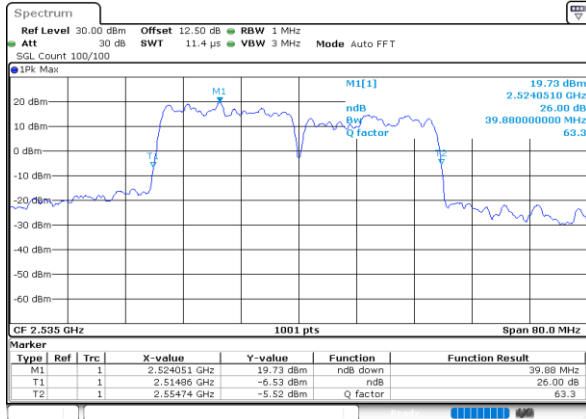


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

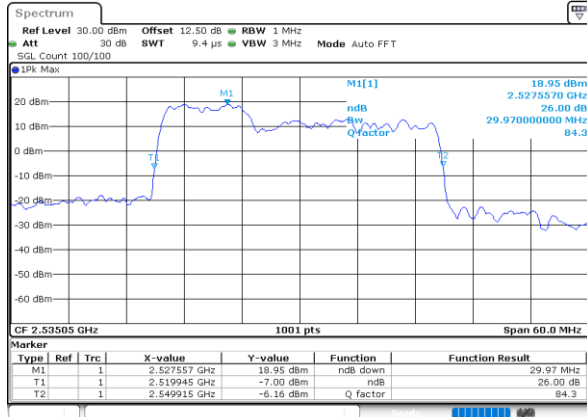




LTE Band 7C

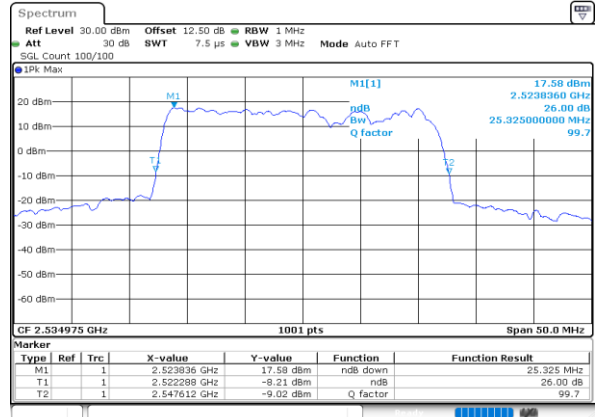
16QAM

Middle Channel / 10MHz+20MHz



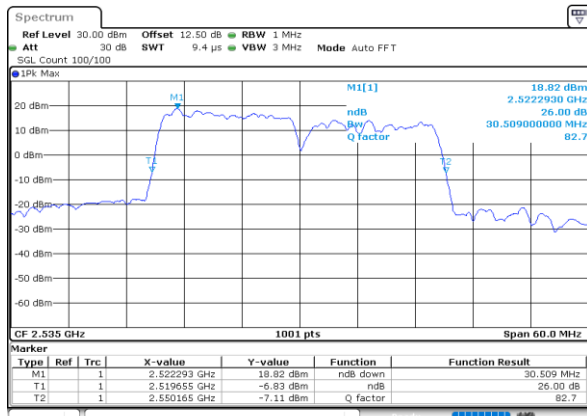
Date: 7,SEP,2022 19:34:13

Middle Channel / 15MHz+10MHz



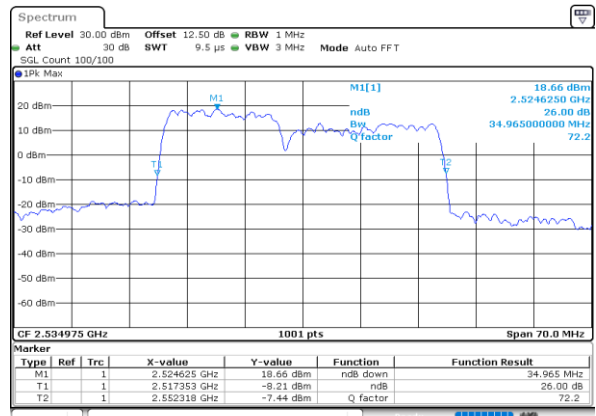
Date: 8,SEP,2022 03:29:32

Middle Channel / 15MHz+15MHz



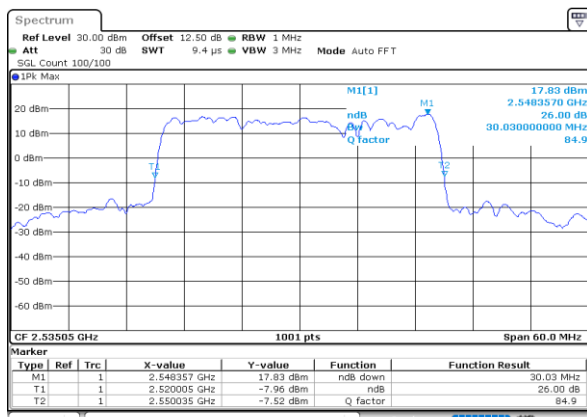
Date: 7,SEP,2022 22:26:27

Middle Channel / 15MHz+20MHz



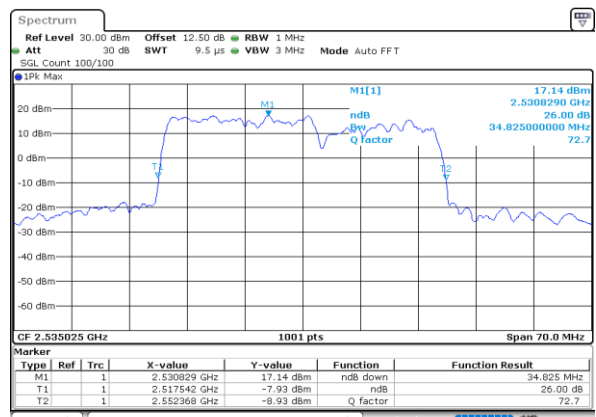
Date: 8,SEP,2022 01:00:07

Middle Channel / 20MHz+10MHz



Date: 7,SEP,2022 20:07:48

Middle Channel / 20MHz+15MHz



Date: 8,SEP,2022 01:37:32

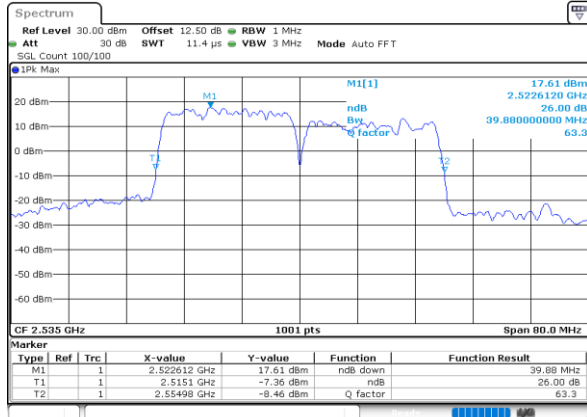


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



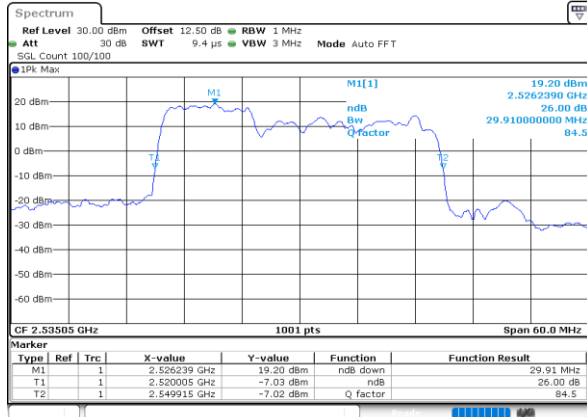
Date: 6-SEP-2022 02:48:31



LTE Band 7C

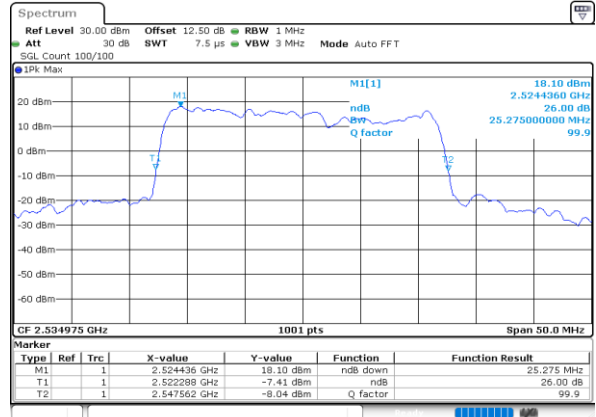
64QAM

Middle Channel / 10MHz+20MHz



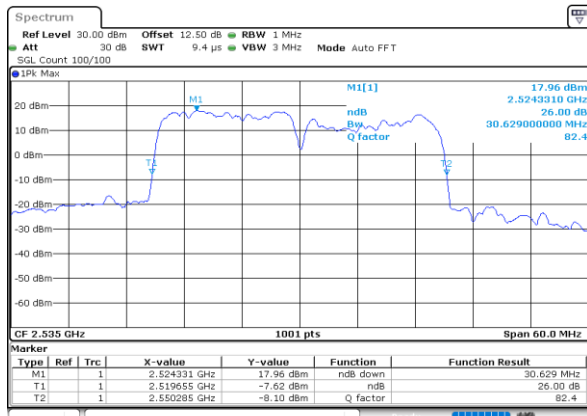
Date: 7,SEP,2022 19:33:35

Middle Channel / 15MHz+10MHz



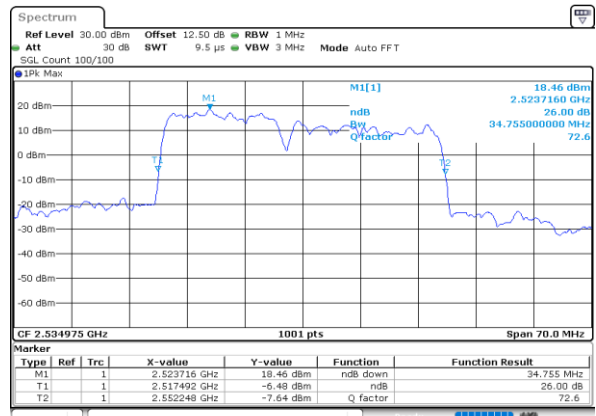
Date: 8,SEP,2022 03:29:04

Middle Channel / 15MHz+15MHz



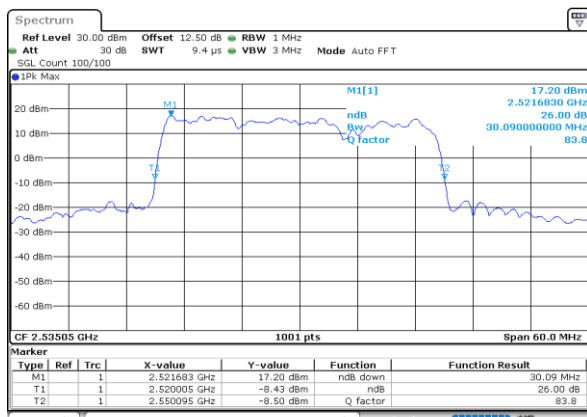
Date: 7,SEP,2022 22:25:59

Middle Channel / 15MHz+20MHz



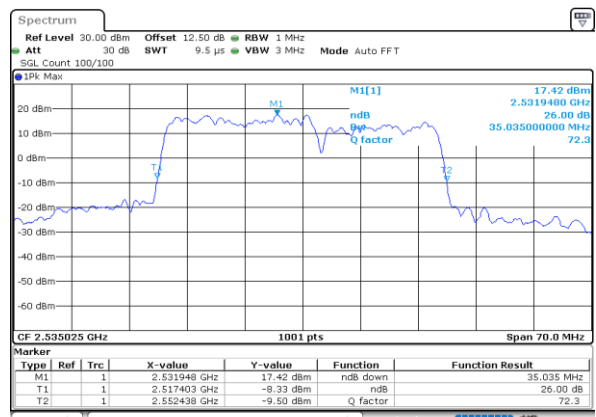
Date: 8,SEP,2022 00:59:40

Middle Channel / 20MHz+10MHz

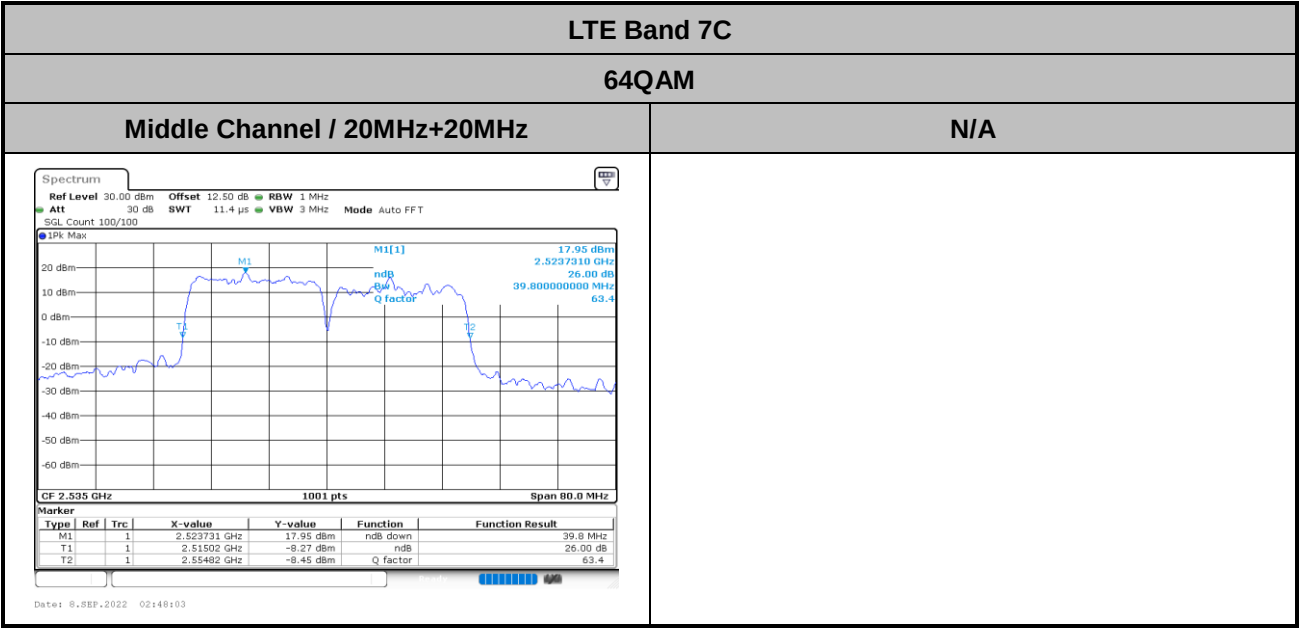


Date: 7,SEP,2022 20:07:20

Middle Channel / 20MHz+15MHz



Date: 8,SEP,2022 01:37:04

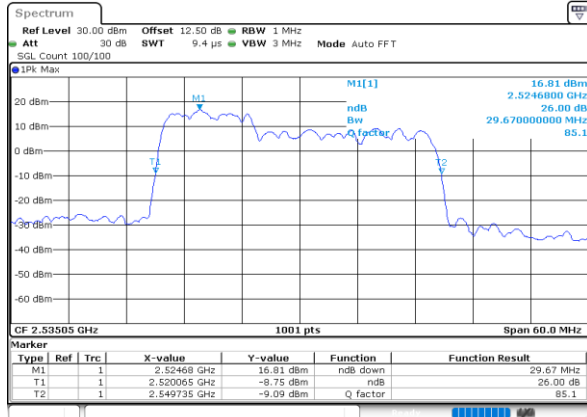




LTE Band 7C

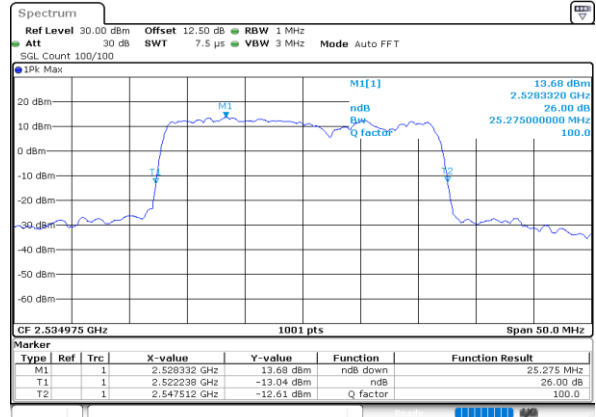
256QAM

Middle Channel / 10MHz+20MHz



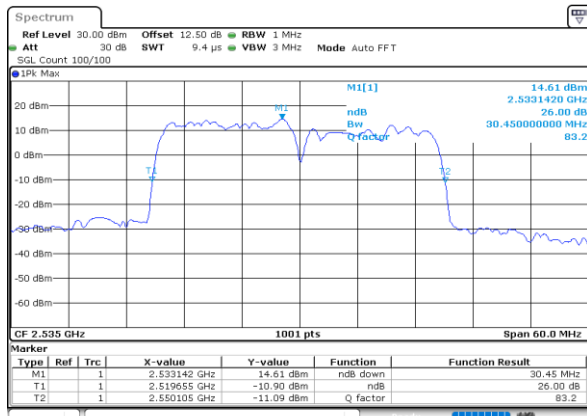
Date: 11.NOV.2022 14:15:33

Middle Channel / 15MHz+10MHz



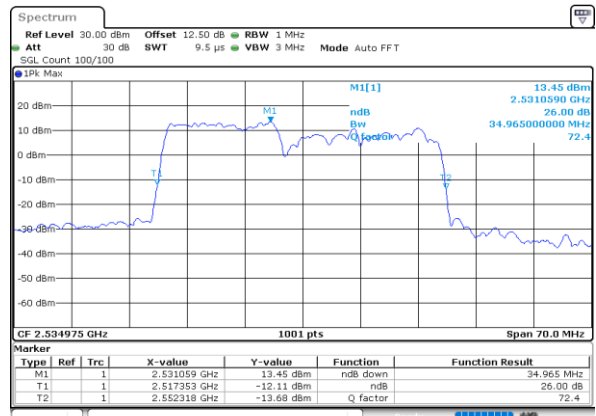
Date: 11.NOV.2022 16:51:18

Middle Channel / 15MHz+15MHz



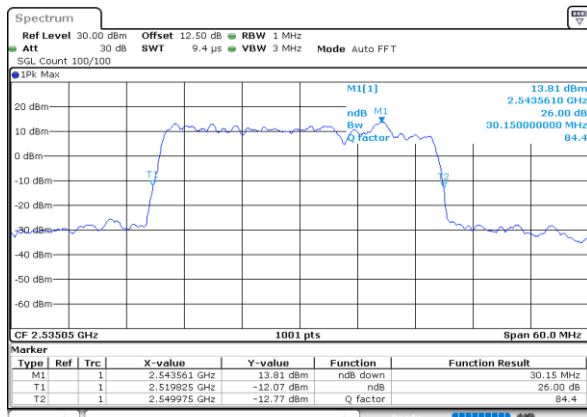
Date: 11.NOV.2022 15:07:18

Middle Channel / 15MHz+20MHz



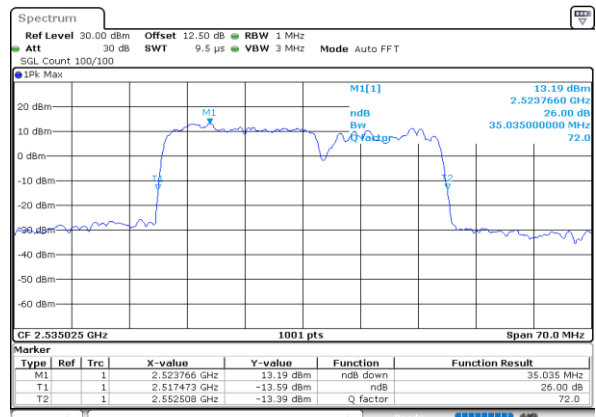
Date: 11.NOV.2022 15:33:59

Middle Channel / 20MHz+10MHz



Date: 11.NOV.2022 14:42:16

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2022 16:00:44

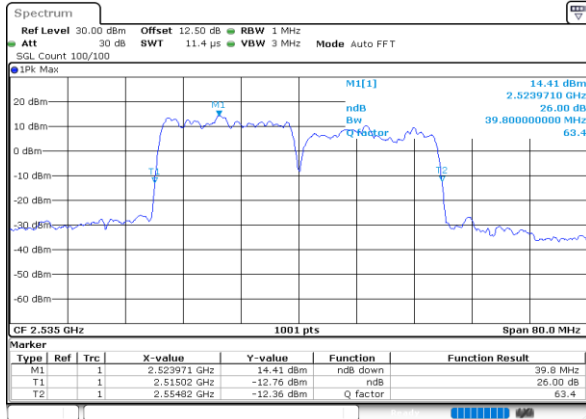


LTE Band 7C

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	27.93	23.53	28.71	32.94
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.94	37.32	

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.11	23.38	28.59	33.29
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.29	33.15	37.56	

Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.17	23.48	28.65	32.80
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.87	37.64	

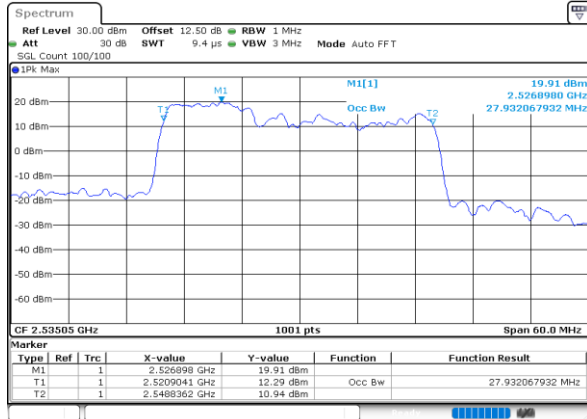
Mode	LTE Band 7C : 99%OBW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.81	23.48	28.83	33.01
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.80	37.32	



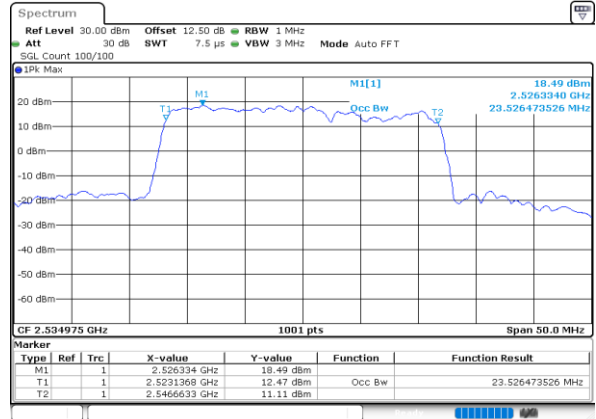
LTE Band 7C

QPSK

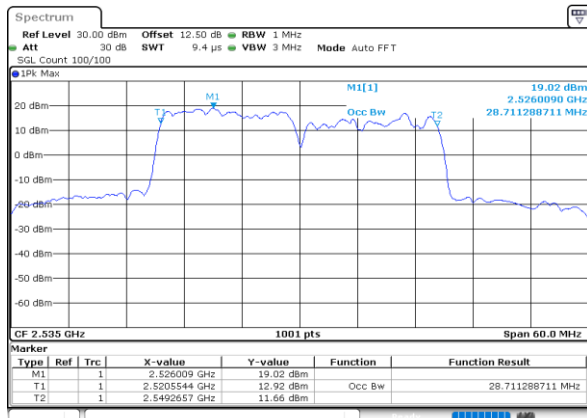
Middle Channel / 10MHz+20MHz



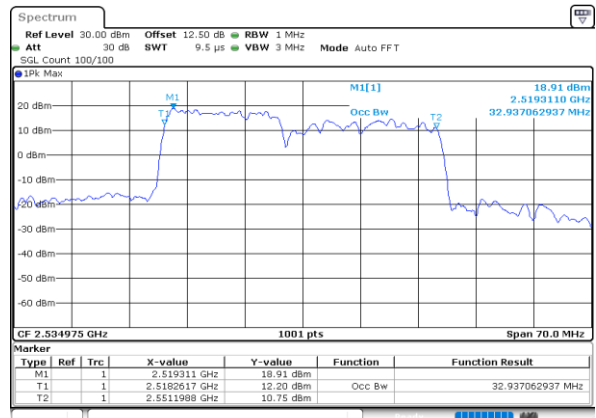
Middle Channel / 15MHz+10MHz



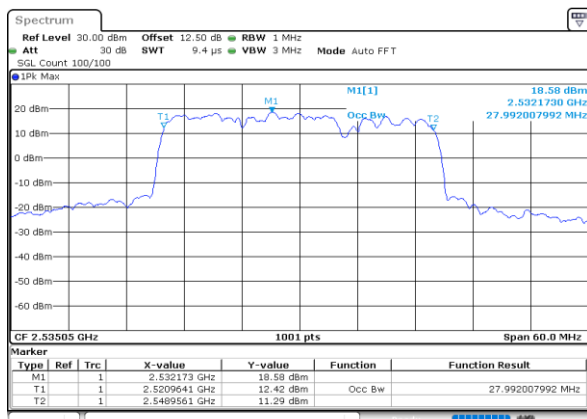
Middle Channel / 15MHz+15MHz



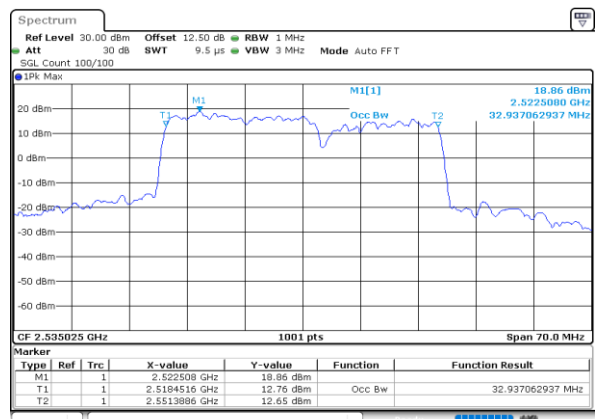
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



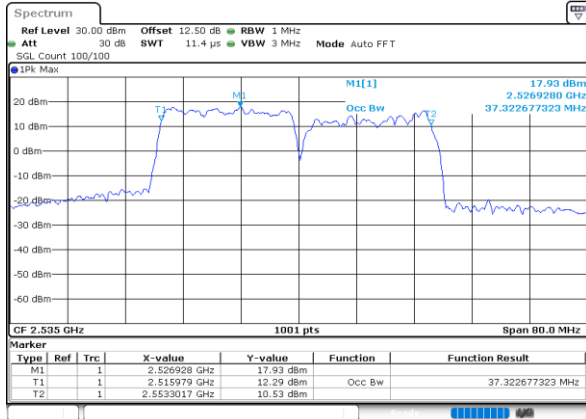


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



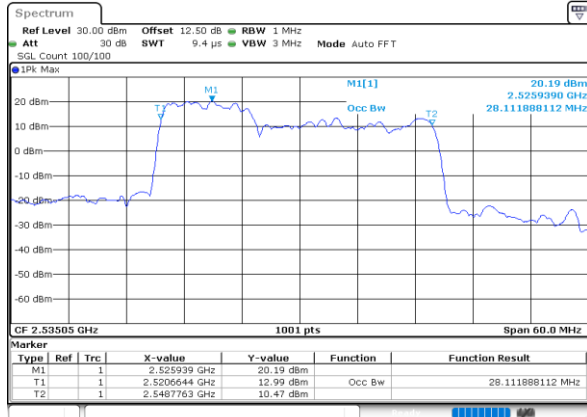
Date: 31.AUG.2022 07:33:43



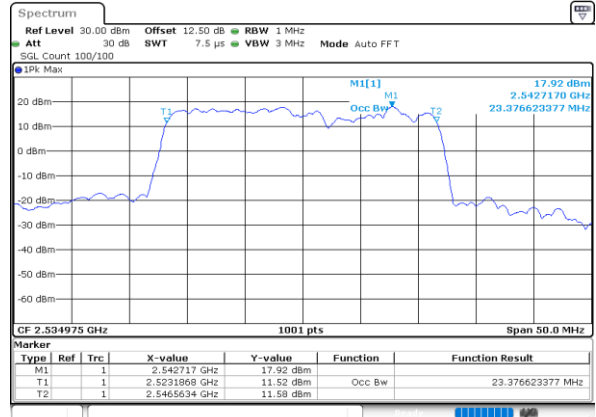
LTE Band 7C

16QAM

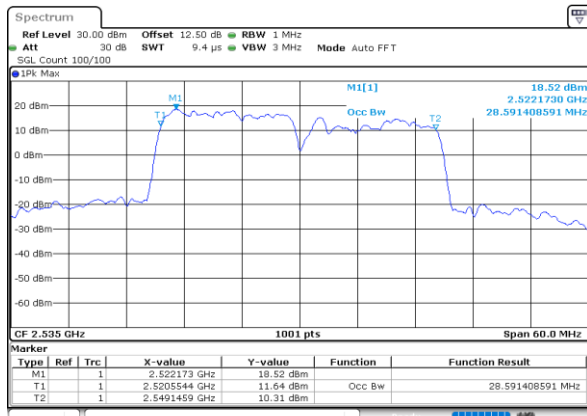
Middle Channel / 10MHz+20MHz



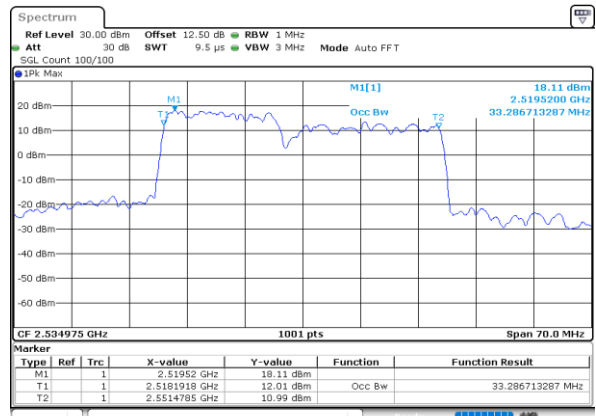
Middle Channel / 15MHz+10MHz



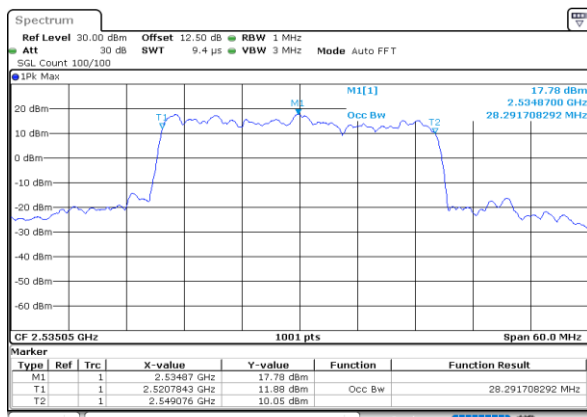
Middle Channel / 15MHz+15MHz



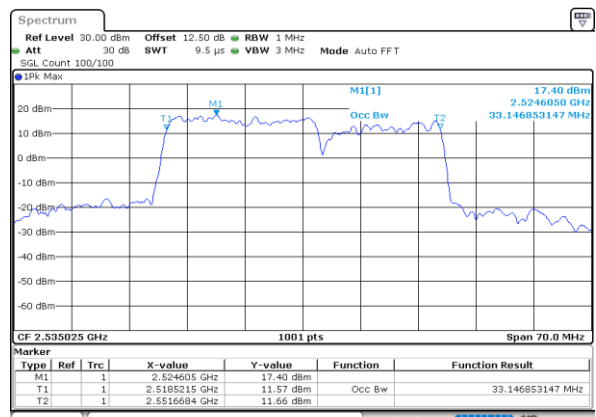
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



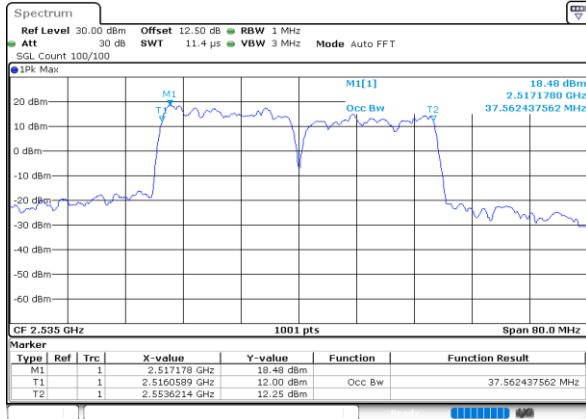


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A

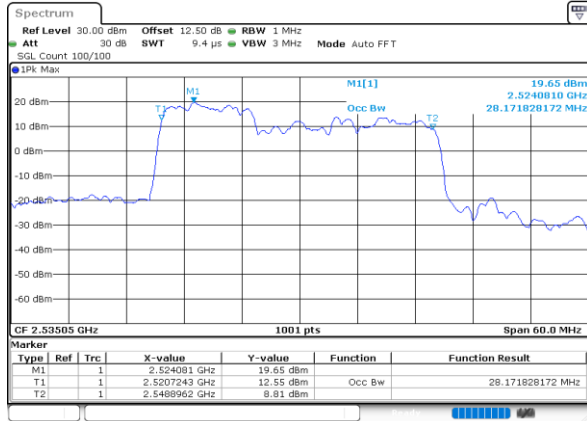




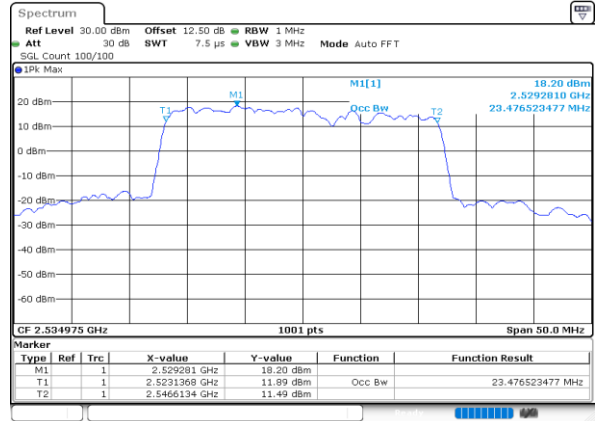
LTE Band 7C

64QAM

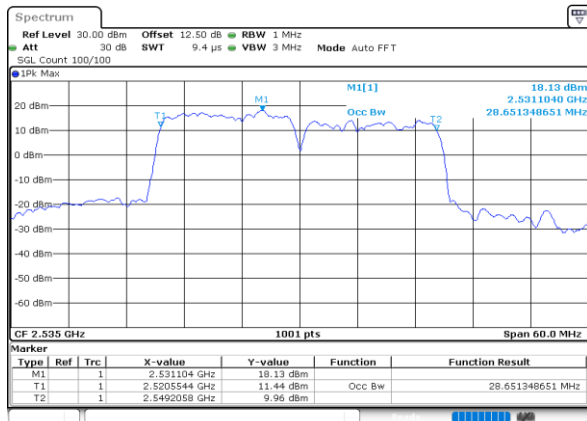
Middle Channel / 10MHz+20MHz



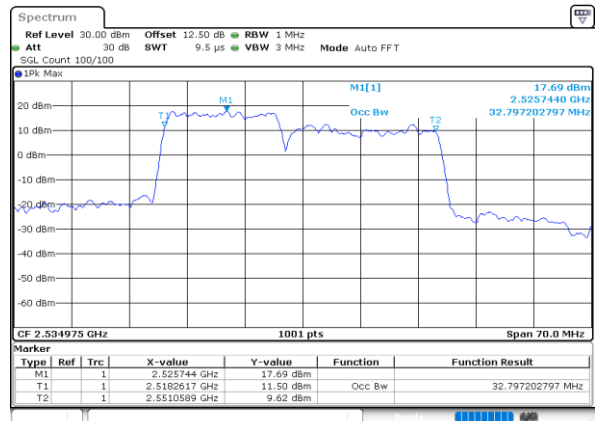
Middle Channel / 15MHz+10MHz



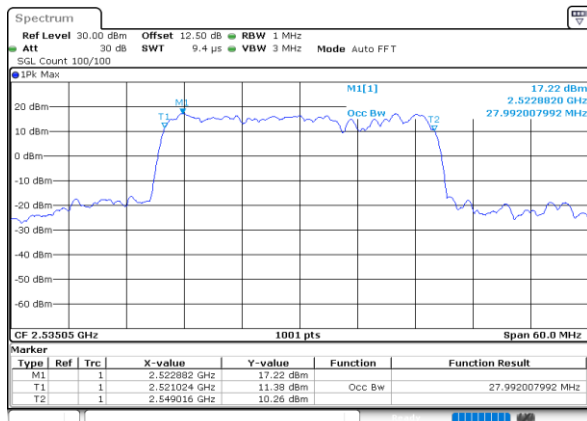
Middle Channel / 15MHz+15MHz



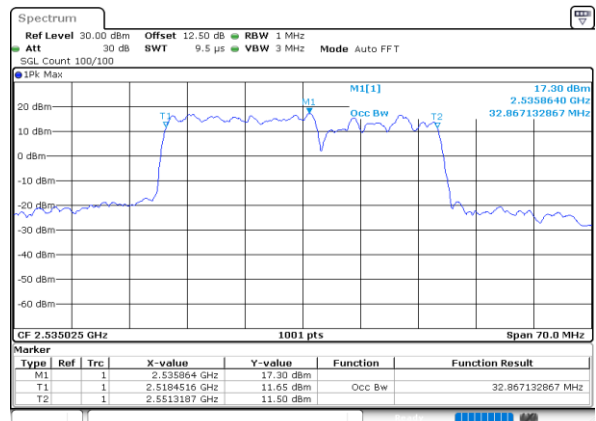
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



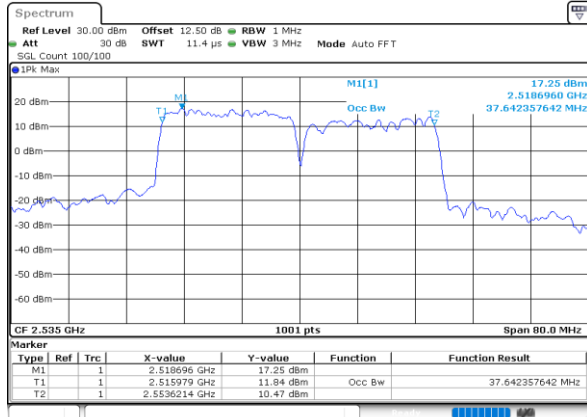


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A



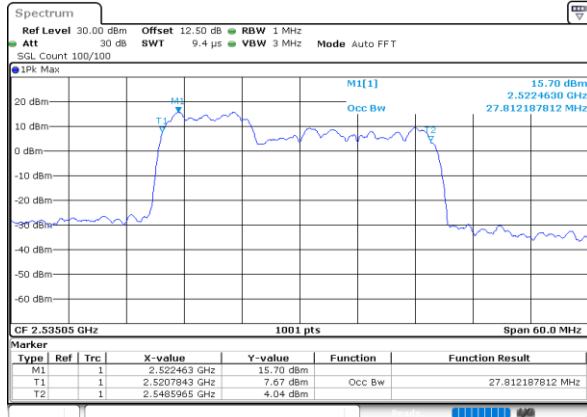
Date: 31.AUG.2022 07:37:05



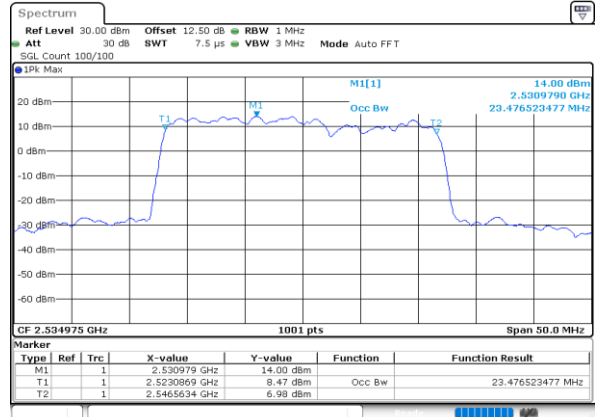
LTE Band 7C

256QAM

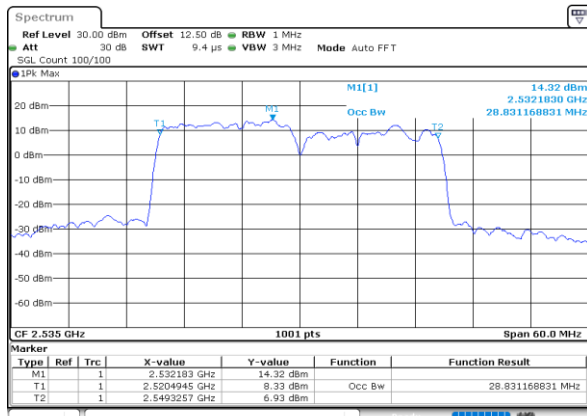
Middle Channel / 10MHz+20MHz



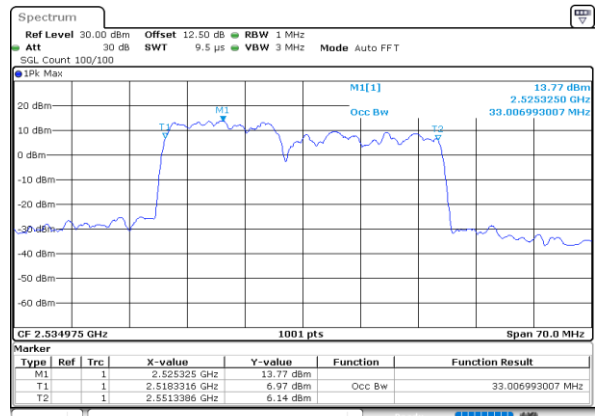
Middle Channel / 15MHz+10MHz



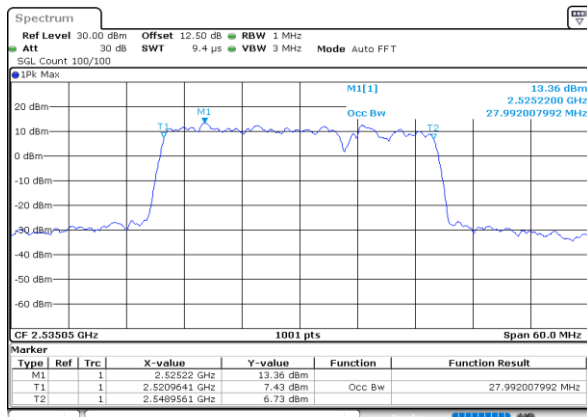
Middle Channel / 15MHz+15MHz



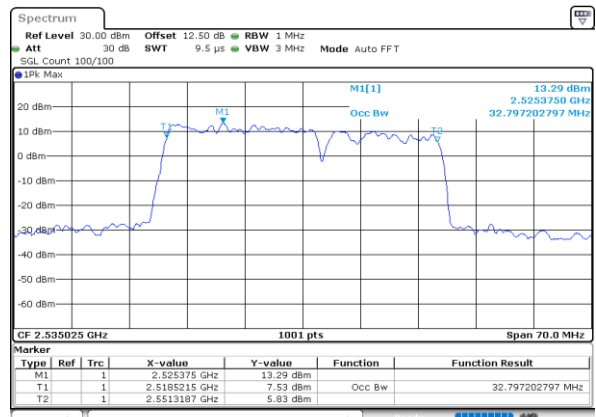
Middle Channel / 15MHz+20MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz





LTE Band 7C

256QAM

Middle Channel / 20MHz+20MHz

N/A

