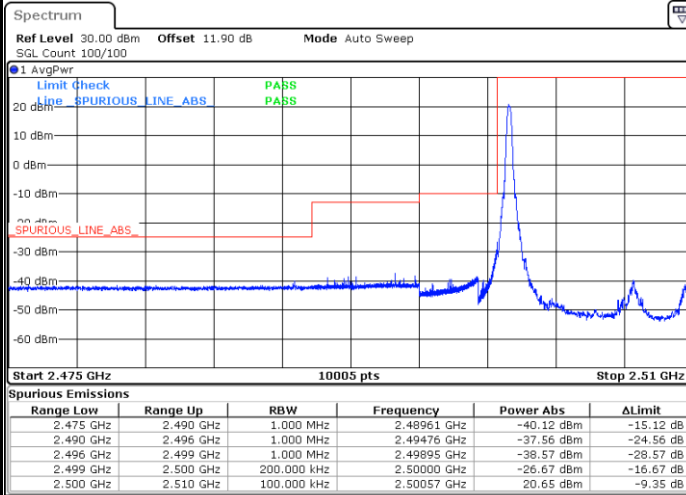


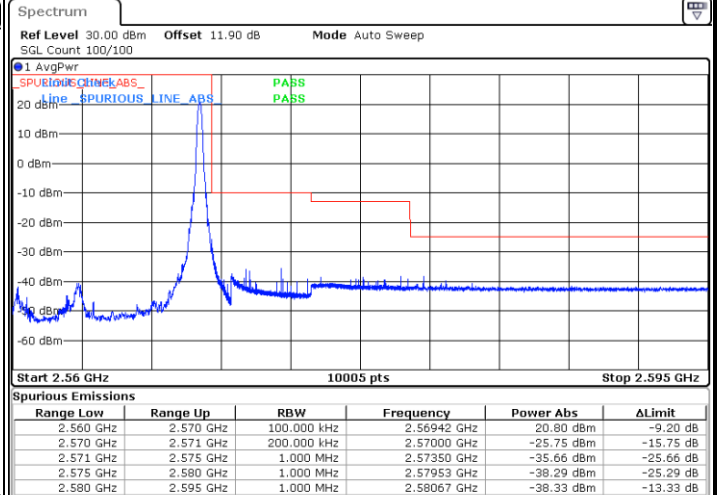


LTE Band 7 / 10MHz / QPSK

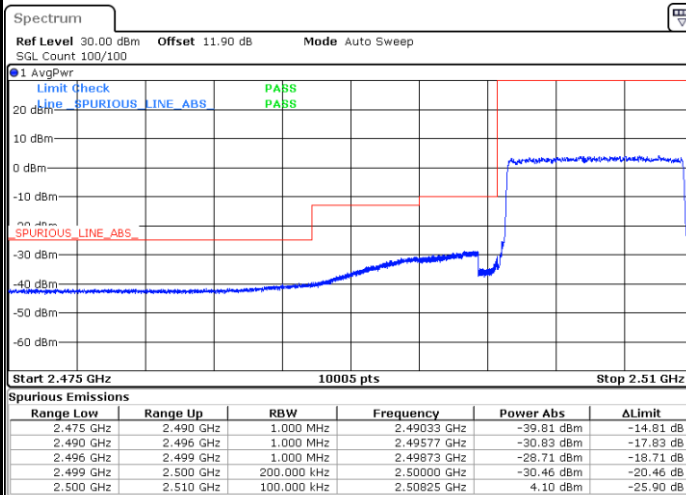
Lowest Band Edge / 1 RB



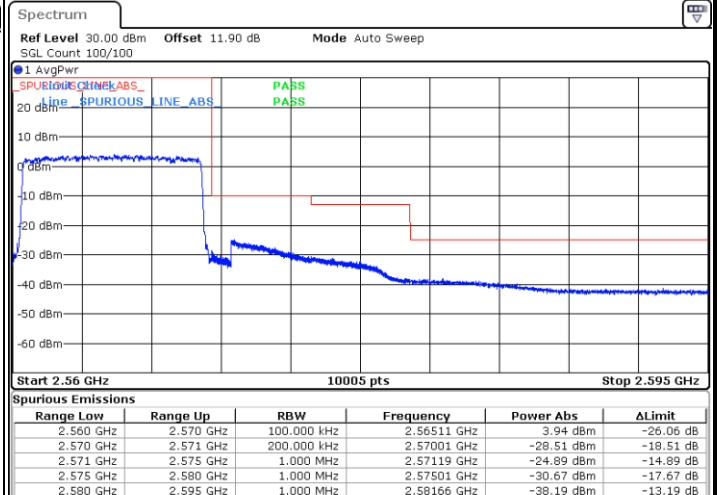
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



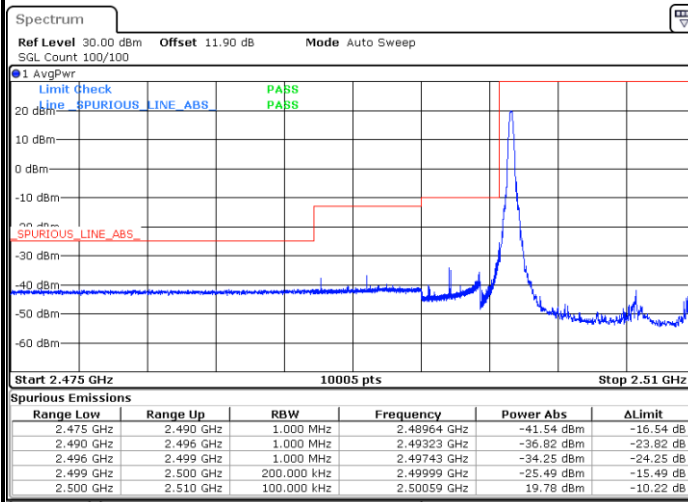
Highest Band Edge / Full RB



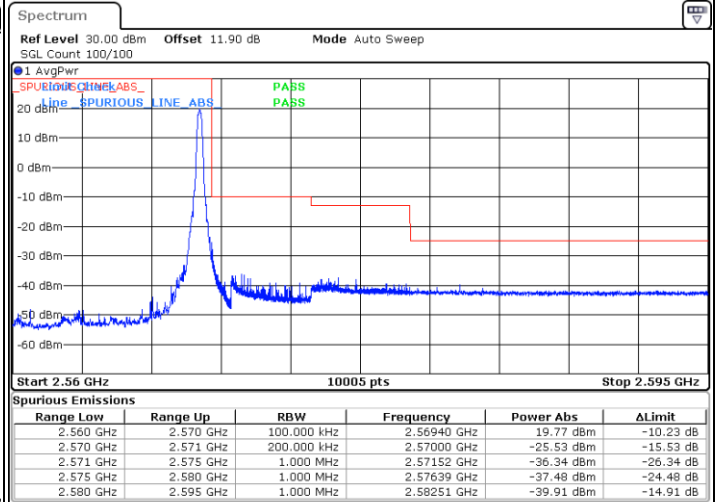


LTE Band 7 / 10MHz / 16QAM

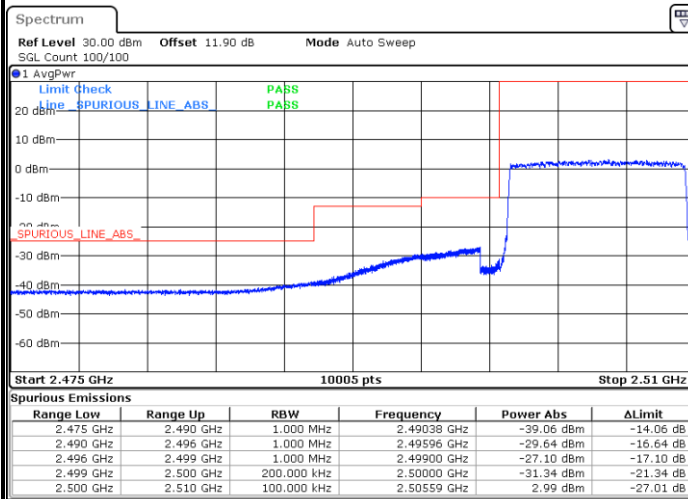
Lowest Band Edge / 1 RB



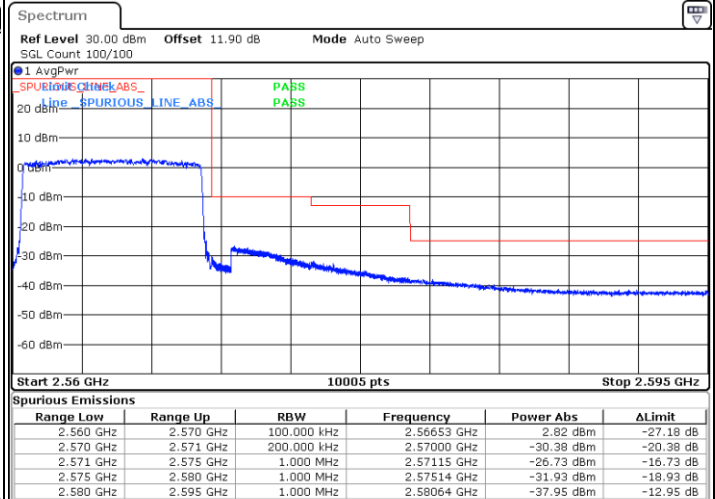
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



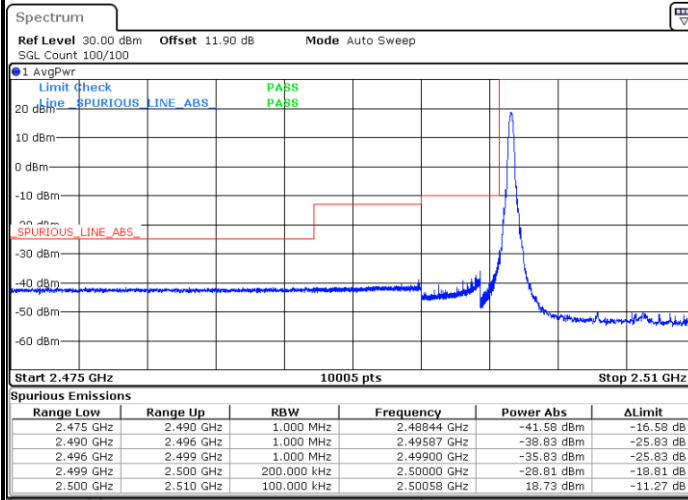
Highest Band Edge / Full RB



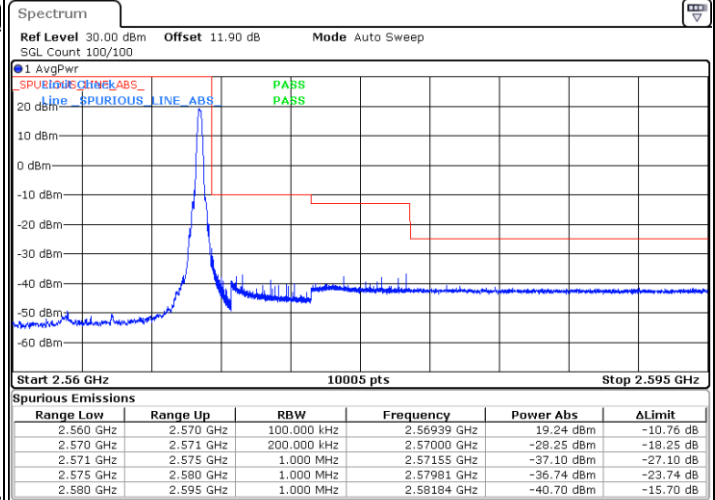


LTE Band 7 / 10MHz / 64QAM

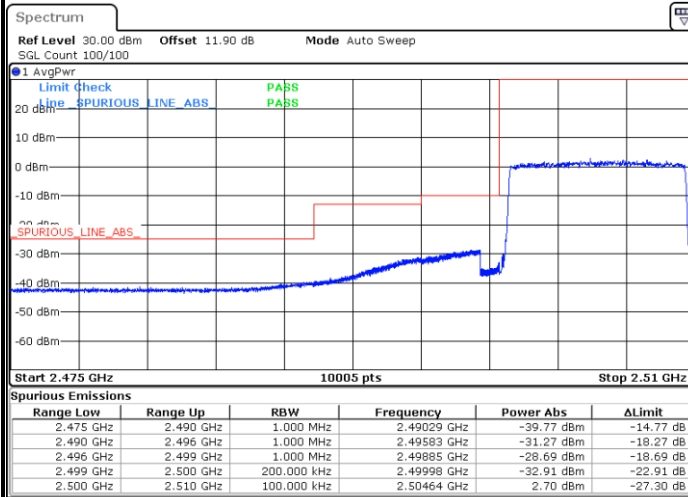
Lowest Band Edge / 1 RB



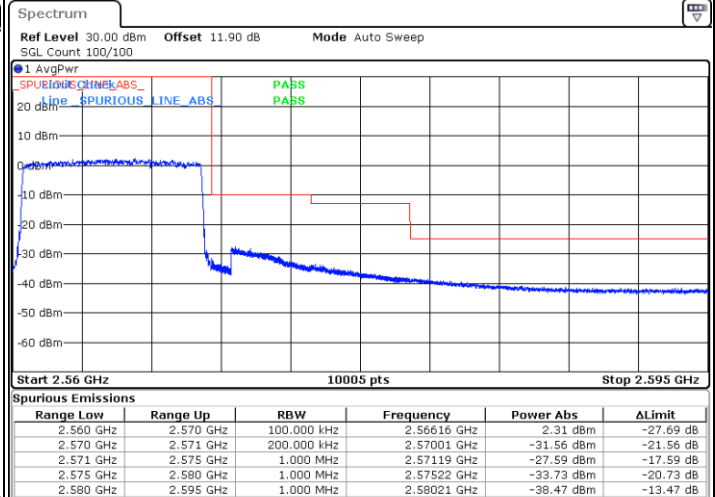
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



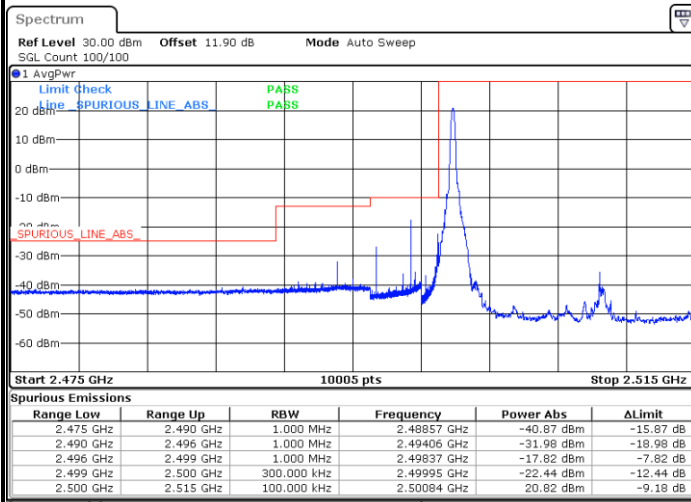
Highest Band Edge / Full RB



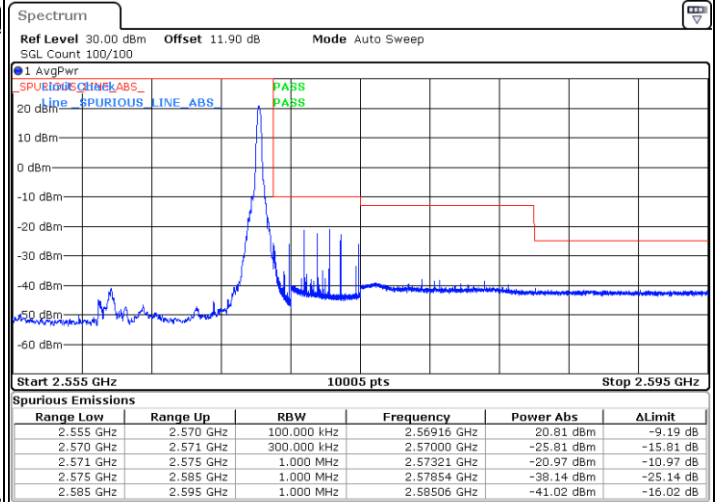


LTE Band 7 / 15MHz / QPSK

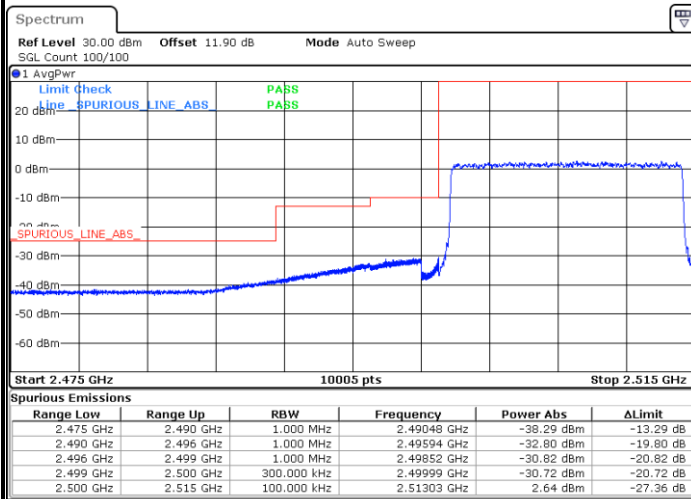
Lowest Band Edge / 1 RB



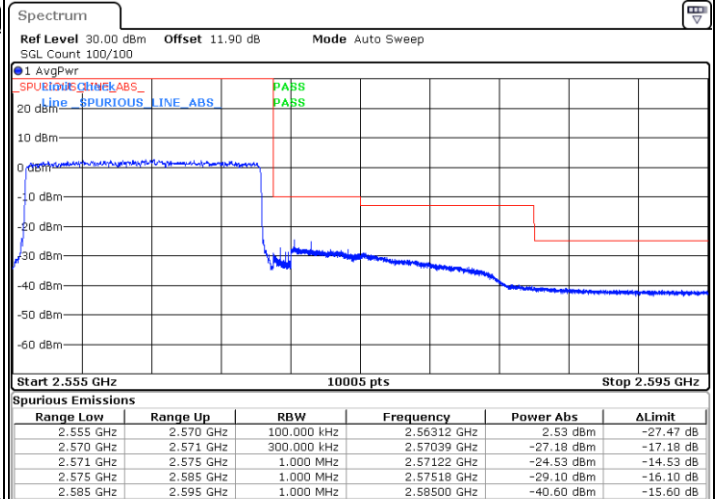
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



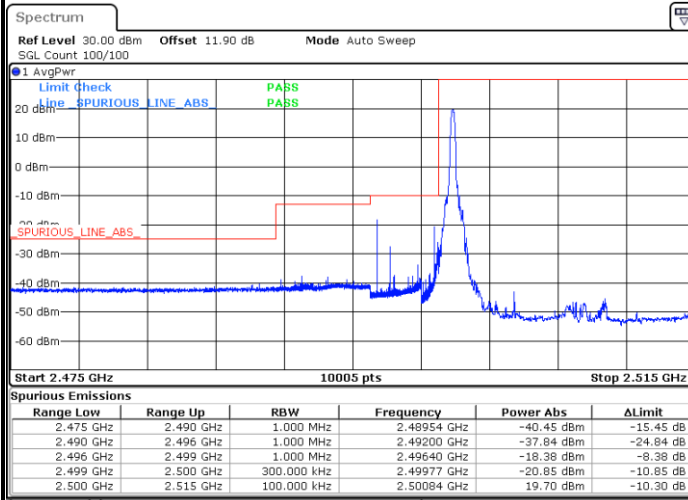
Highest Band Edge / Full RB



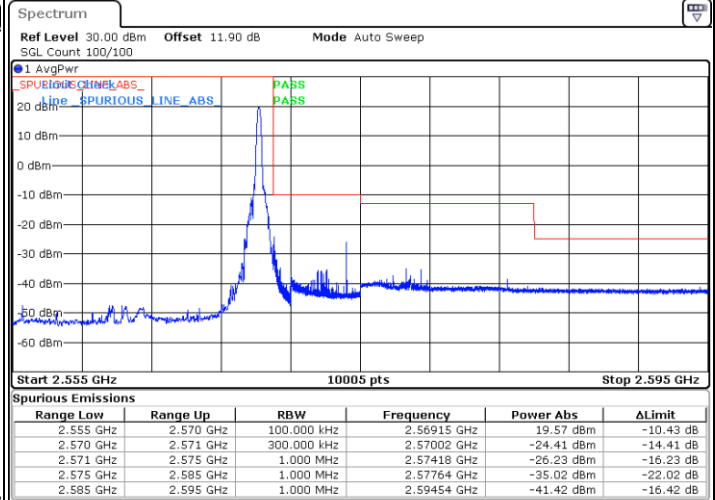


LTE Band 7 / 15MHz / 16QAM

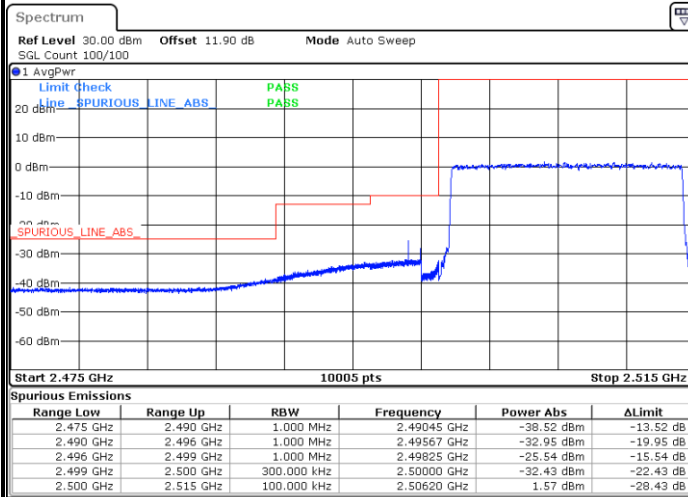
Lowest Band Edge / 1 RB



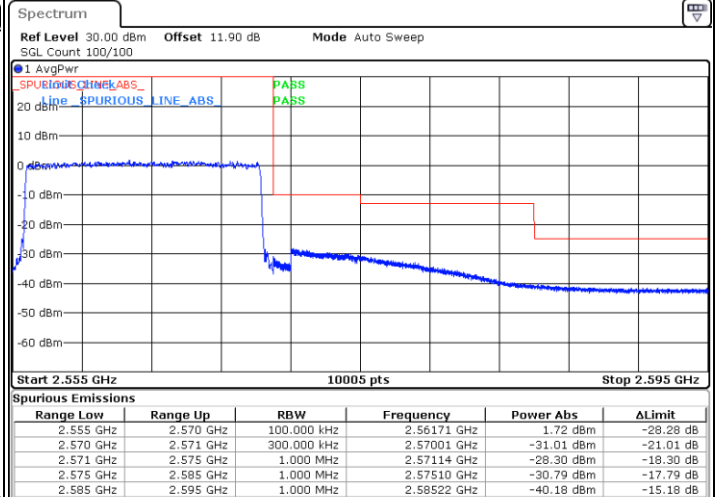
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



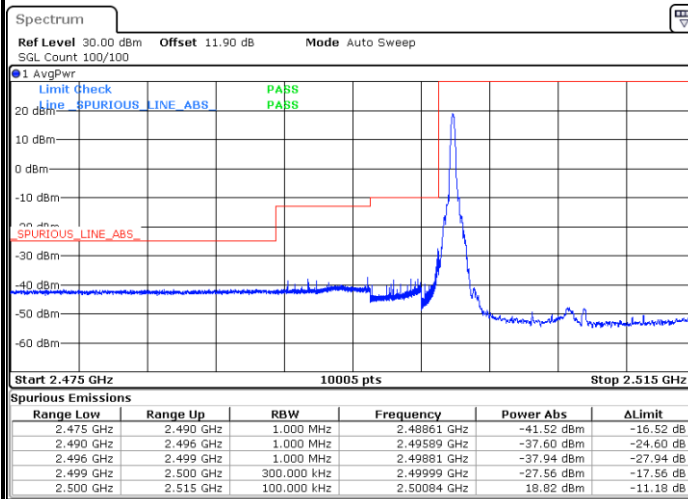
Highest Band Edge / Full RB



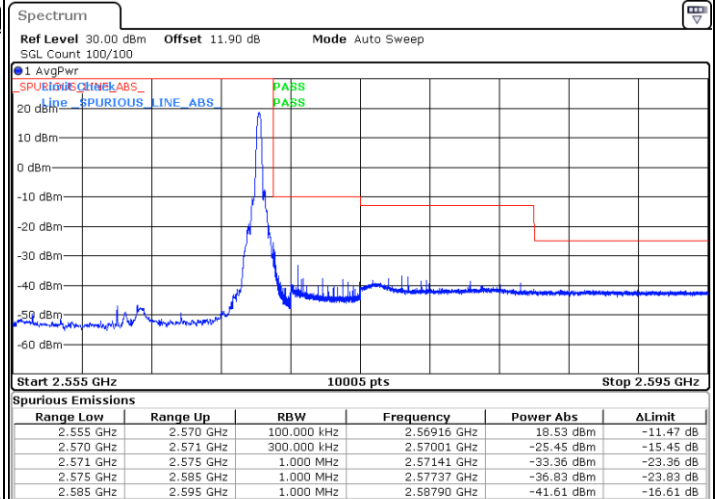


LTE Band 7 / 15MHz / 64QAM

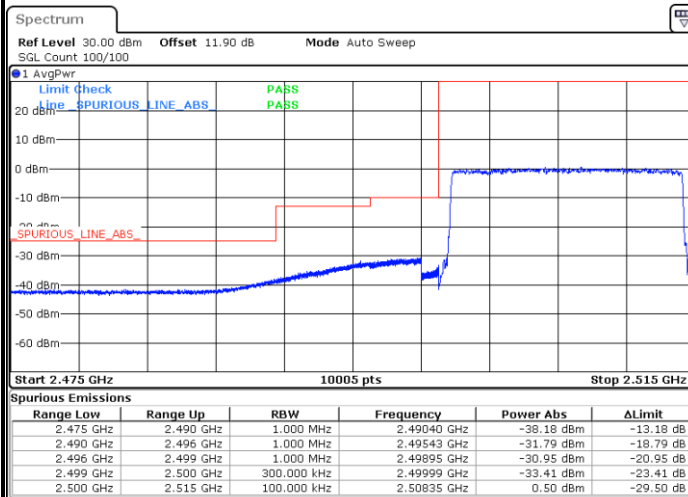
Lowest Band Edge / 1 RB



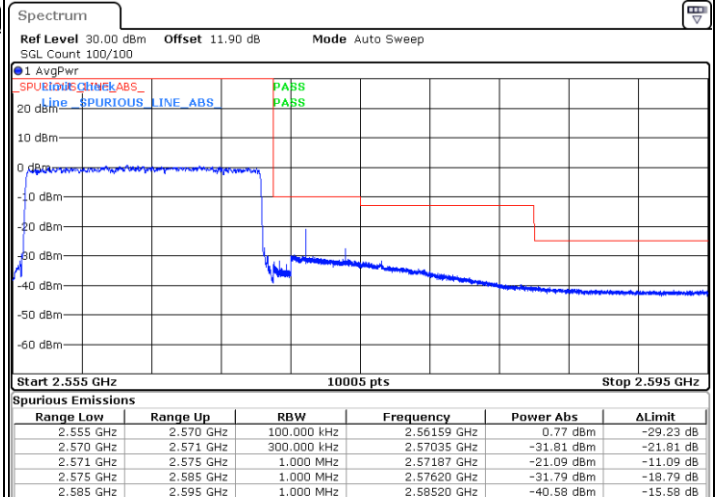
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



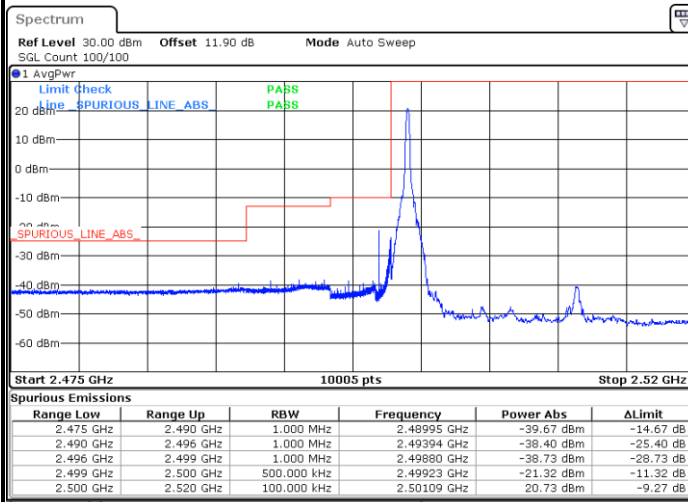
Highest Band Edge / Full RB



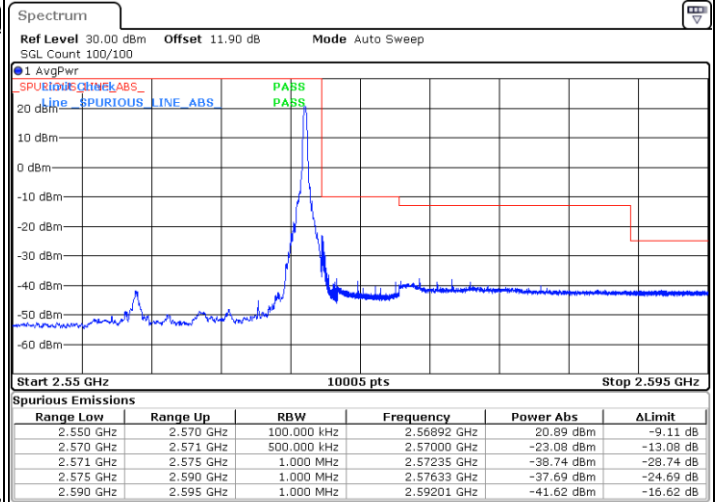


LTE Band 7 / 20MHz / QPSK

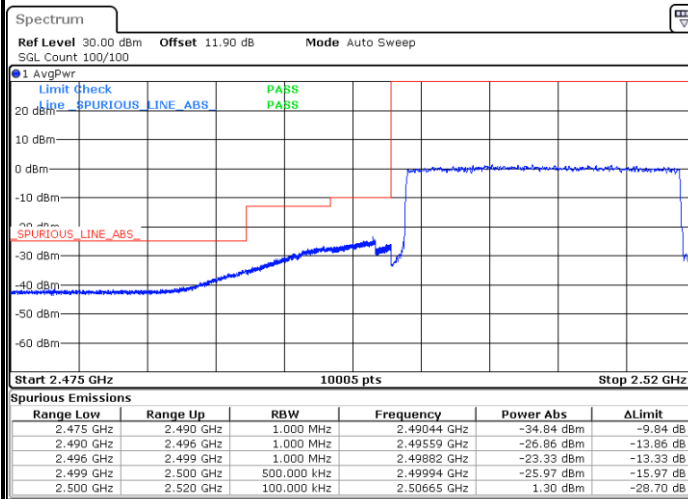
Lowest Band Edge / 1 RB



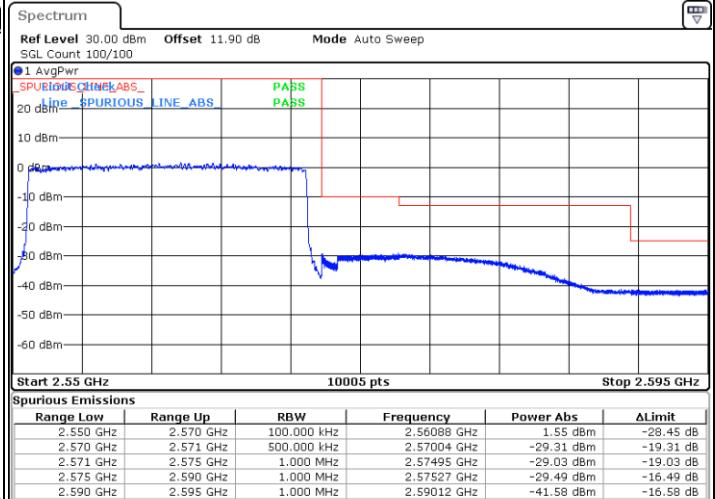
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



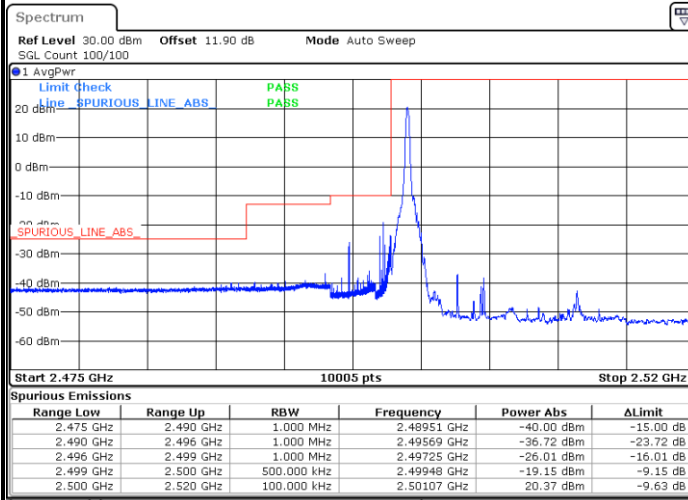
Highest Band Edge / Full RB



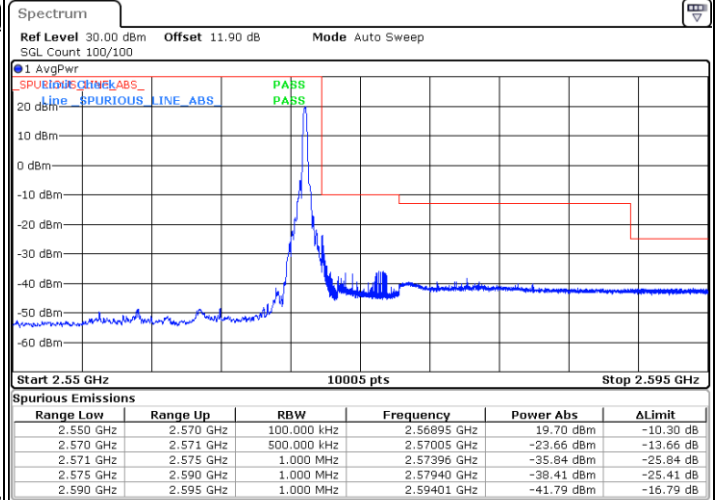


LTE Band 7 / 20MHz / 16QAM

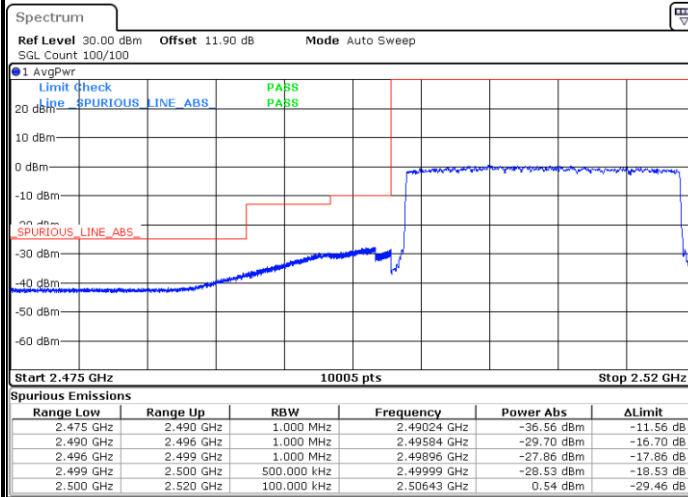
Lowest Band Edge / 1 RB



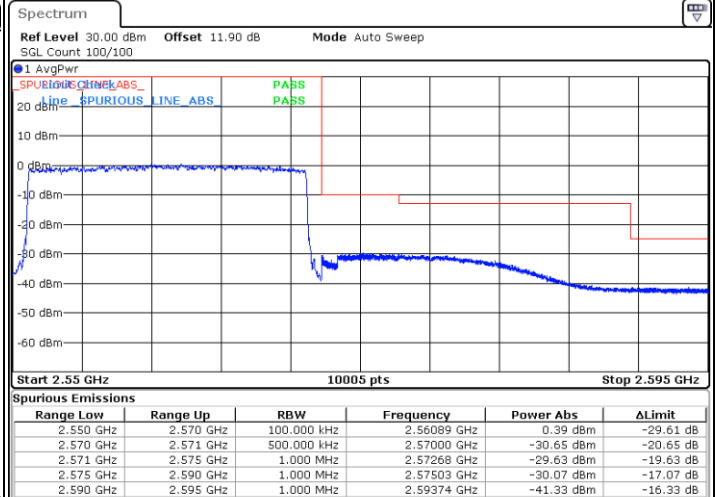
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



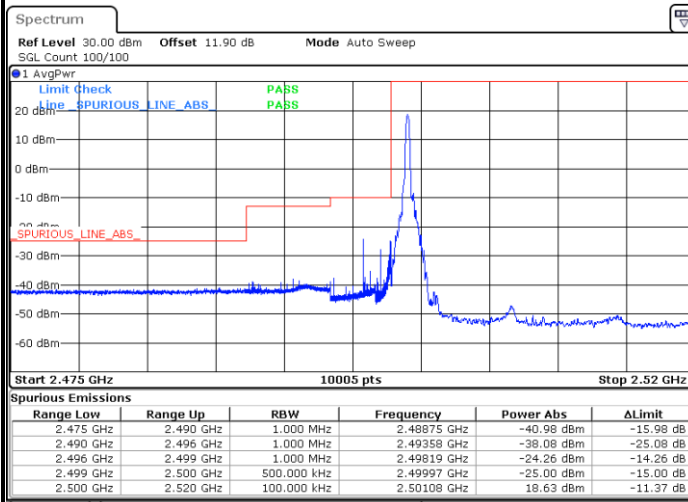
Highest Band Edge / Full RB



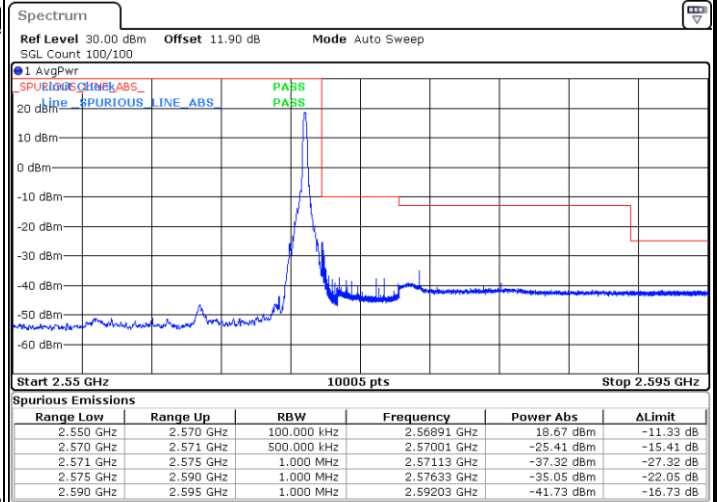


LTE Band 7 / 20MHz / 64QAM

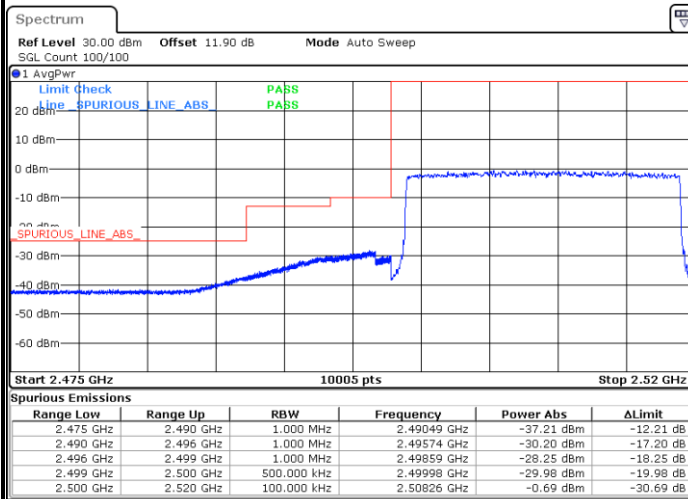
Lowest Band Edge / 1 RB



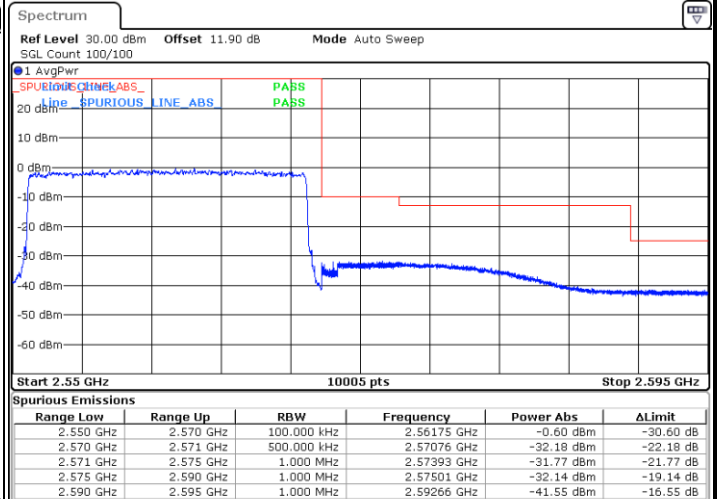
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

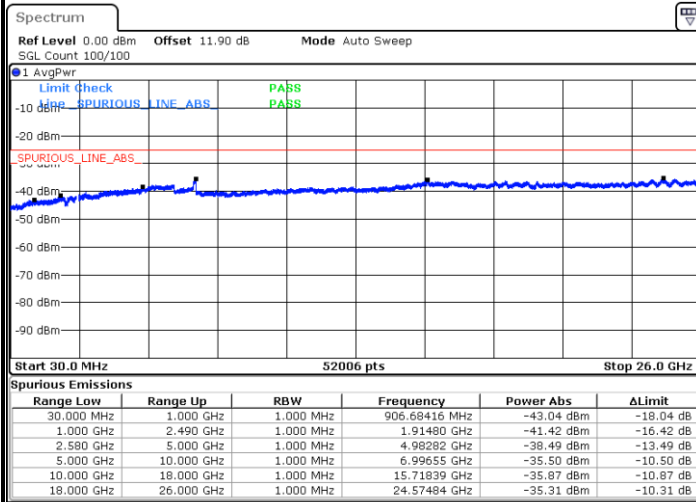




Conducted Spurious Emission

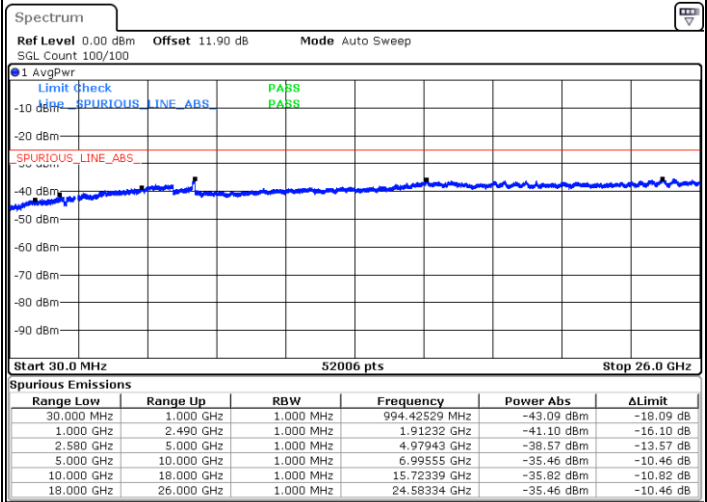
LTE Band 7 / 5MHz

Lowest Channel / QPSK



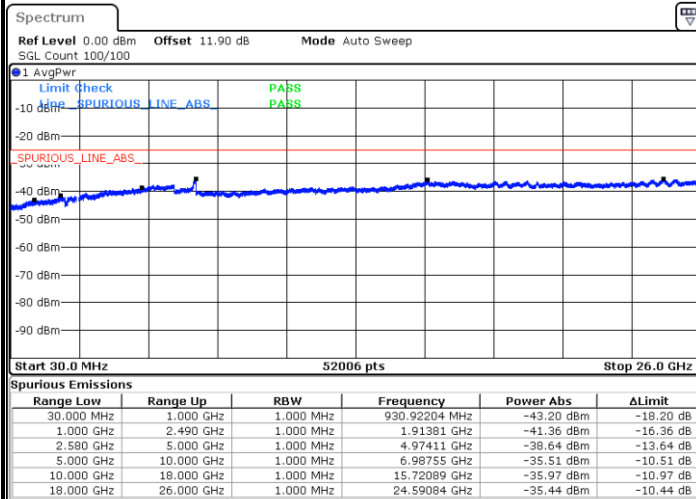
Date: 1.MAR.2020 17:51:21

Lowest Channel / 16QAM



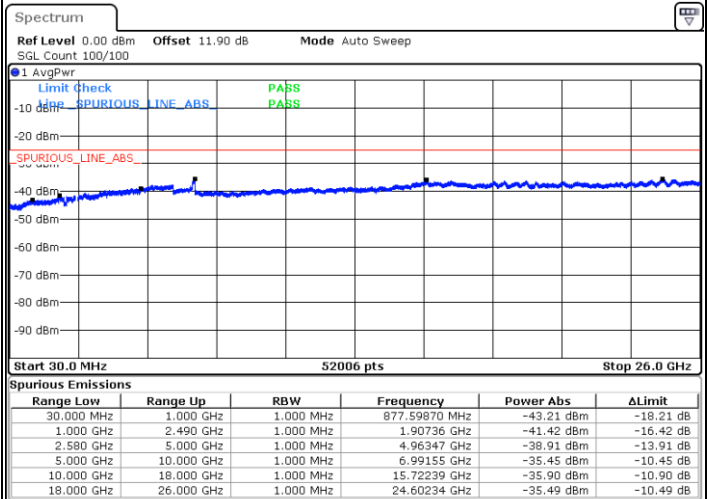
Date: 1.MAR.2020 17:52:10

Middle Channel / QPSK



Date: 1.MAR.2020 17:53:52

Middle Channel / 16QAM

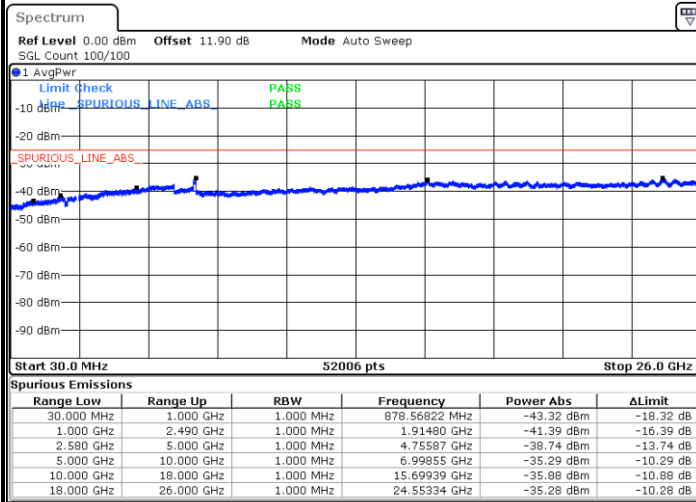


Date: 1.MAR.2020 17:54:40



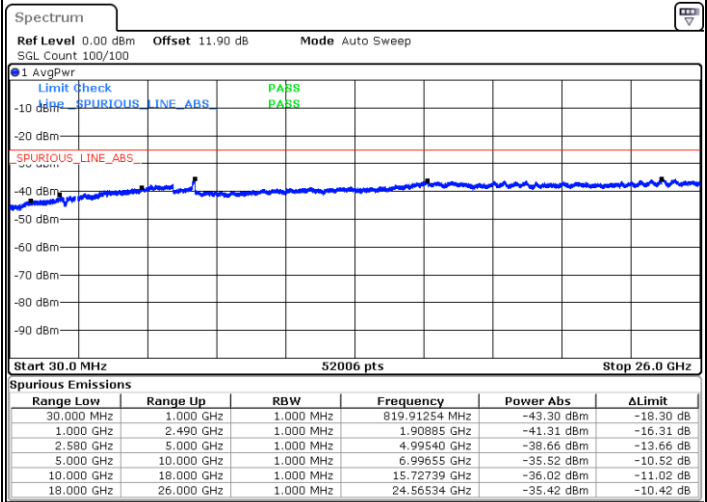
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 1.MAR.2020 17:59:14

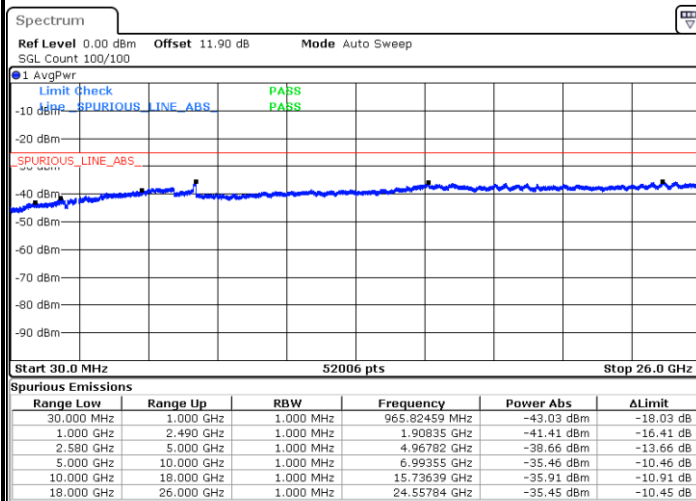
Highest Channel / 16QAM



Date: 1.MAR.2020 18:00:03

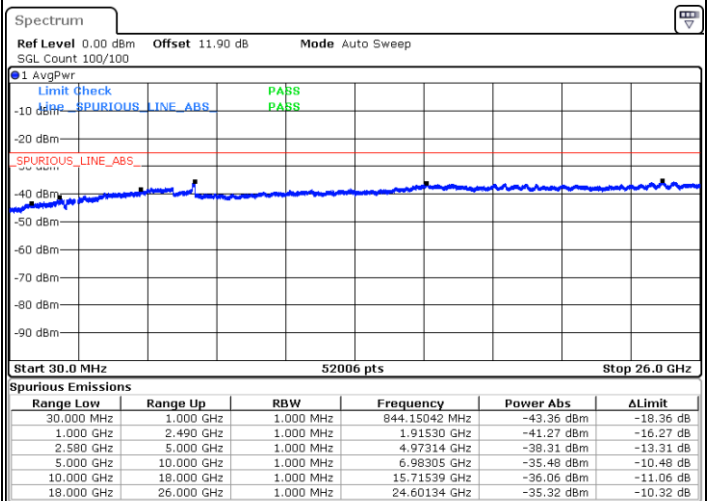
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 1.MAR.2020 18:11:14

Lowest Channel / 16QAM

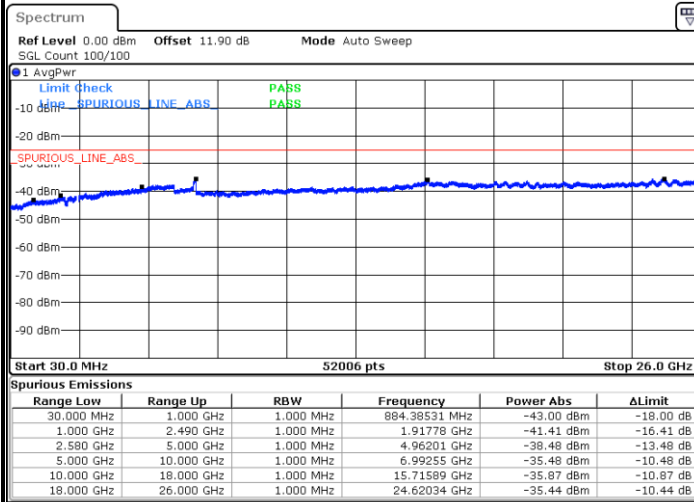


Date: 1.MAR.2020 18:12:03



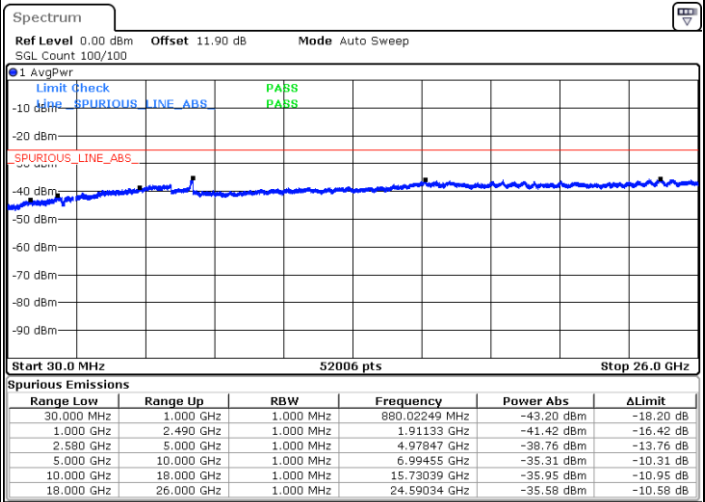
LTE Band 7 / 10MHz

Middle Channel / QPSK



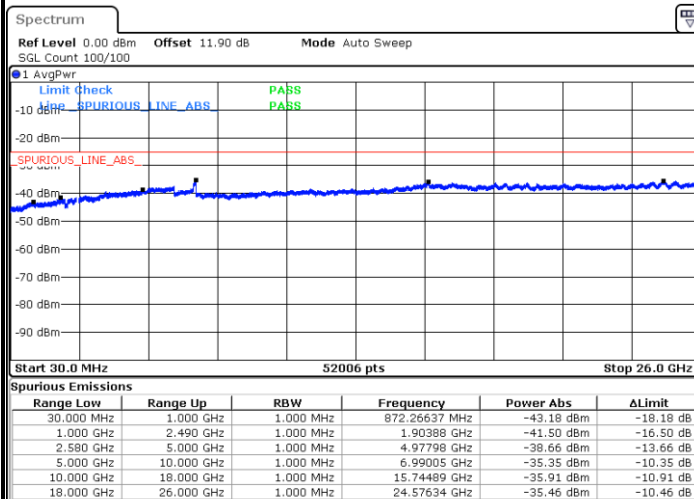
Date: 1.MAR.2020 18:13:45

Middle Channel / 16QAM



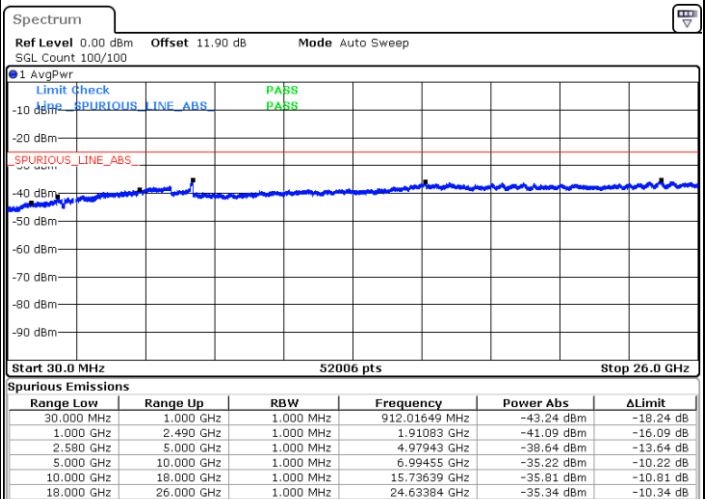
Date: 1.MAR.2020 18:14:33

Highest Channel / QPSK



Date: 1.MAR.2020 18:19:05

Highest Channel / 16QAM

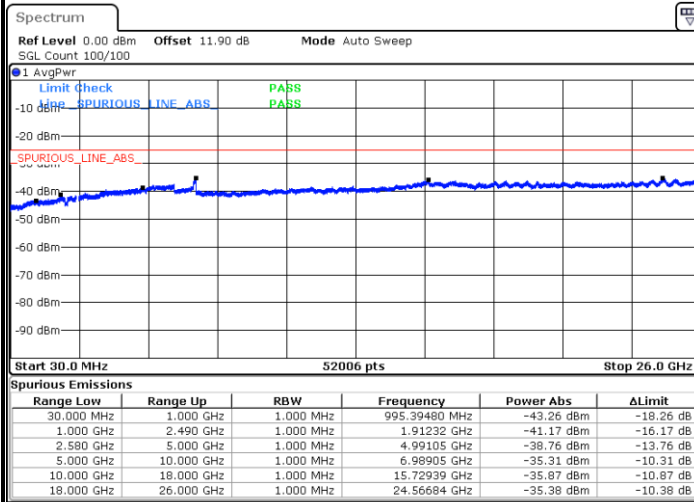


Date: 1.MAR.2020 18:19:54



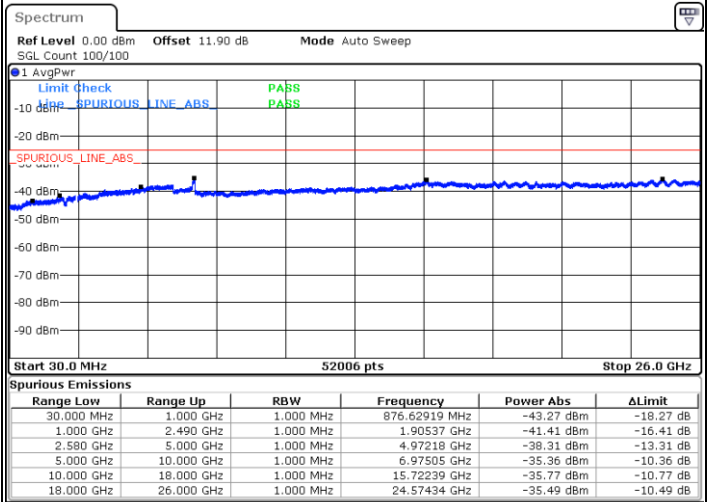
LTE Band 7 / 15MHz

Lowest Channel / QPSK



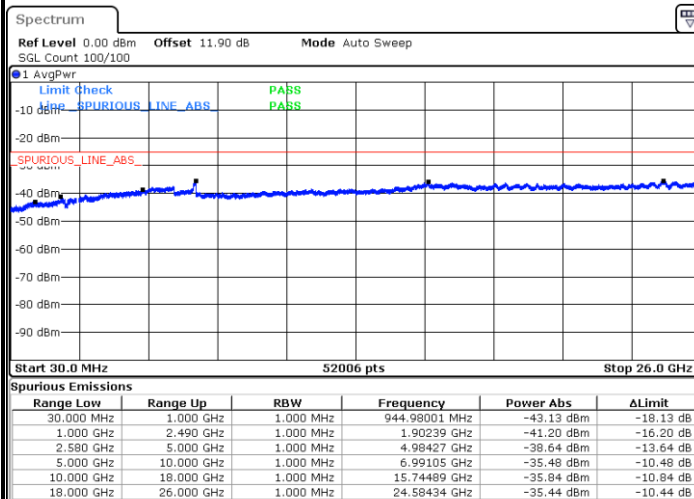
Date: 1.MAR.2020 18:31:04

Lowest Channel / 16QAM



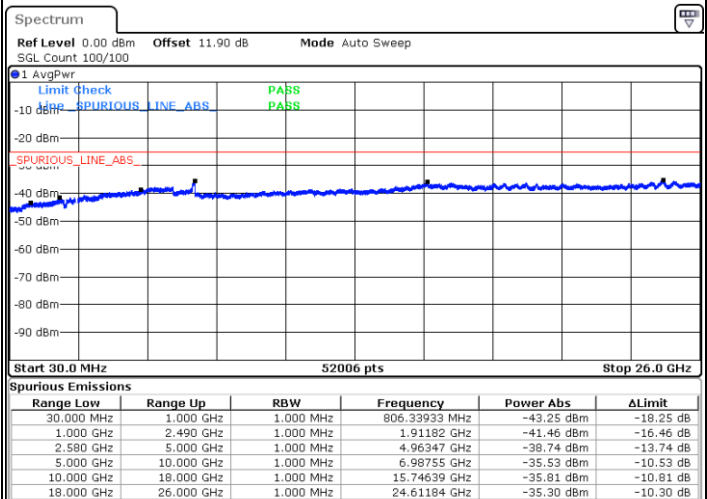
Date: 1.MAR.2020 18:31:53

Middle Channel / QPSK



Date: 1.MAR.2020 18:33:34

Middle Channel / 16QAM

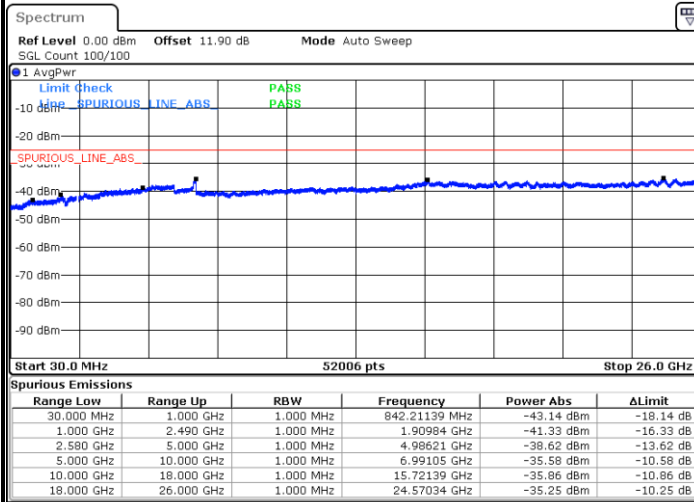


Date: 1.MAR.2020 18:34:22



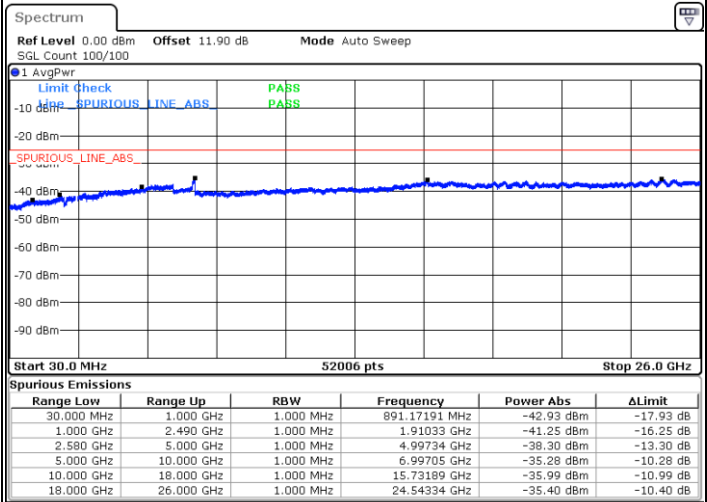
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 1.MAR.2020 18:38:55

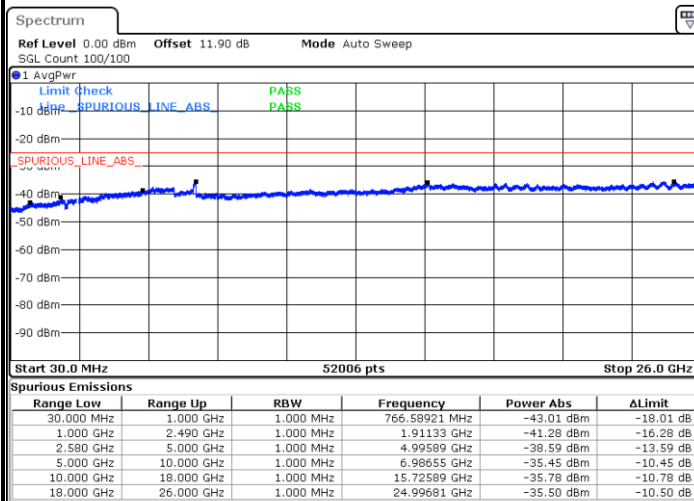
Highest Channel / 16QAM



Date: 1.MAR.2020 18:39:43

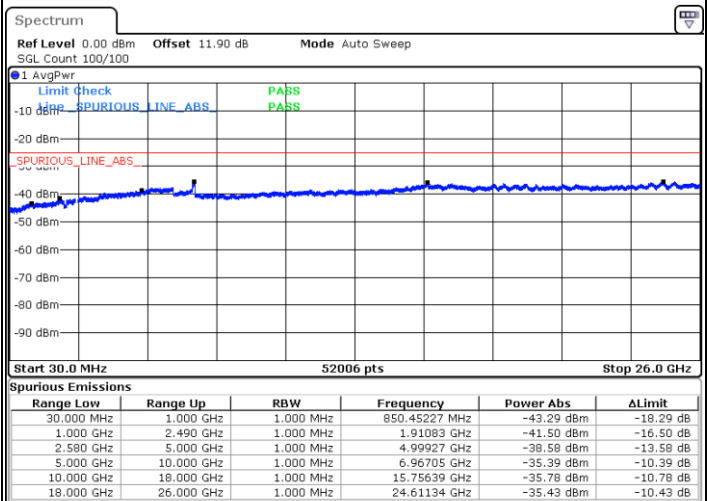
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 1.MAR.2020 18:50:54

Lowest Channel / 16QAM

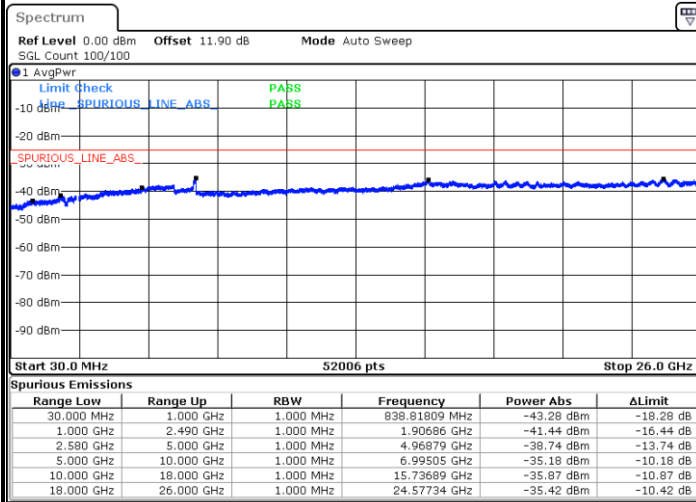


Date: 1.MAR.2020 18:51:43



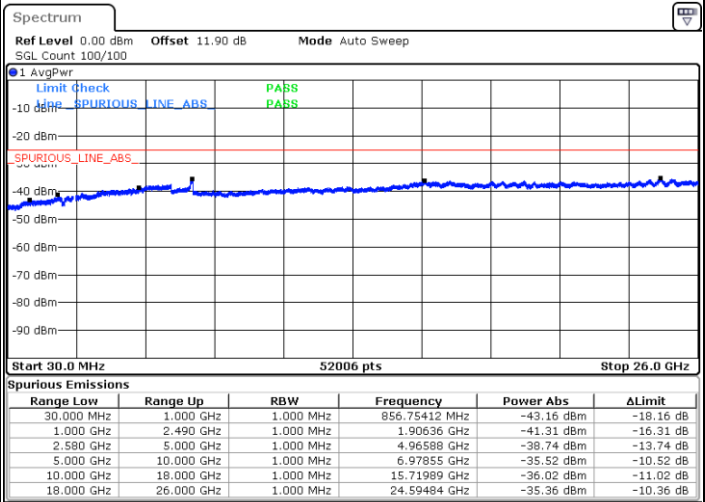
LTE Band 7 / 20MHz

Middle Channel / QPSK



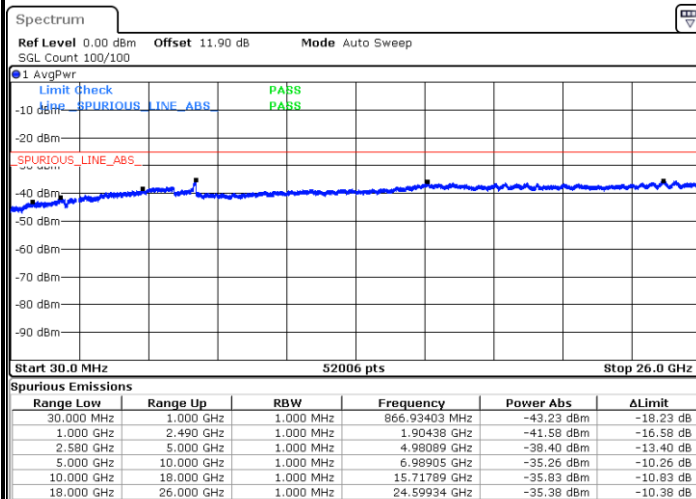
Date: 1.MAR.2020 18:53:25

Middle Channel / 16QAM



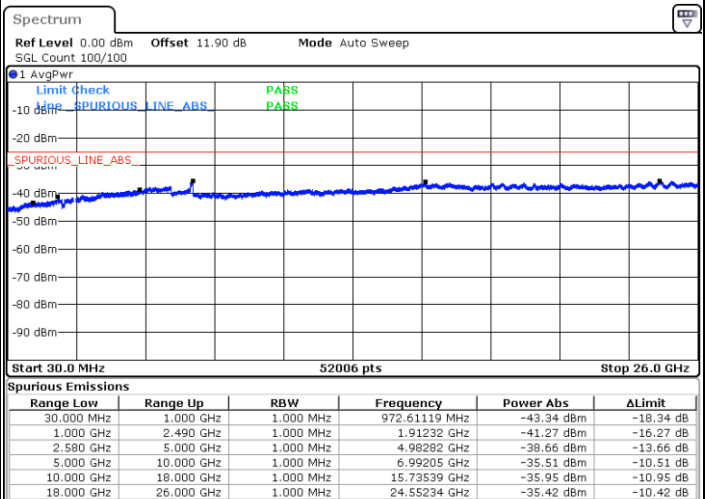
Date: 1.MAR.2020 18:54:13

Highest Channel / QPSK



Date: 1.MAR.2020 18:58:45

Highest Channel / 16QAM

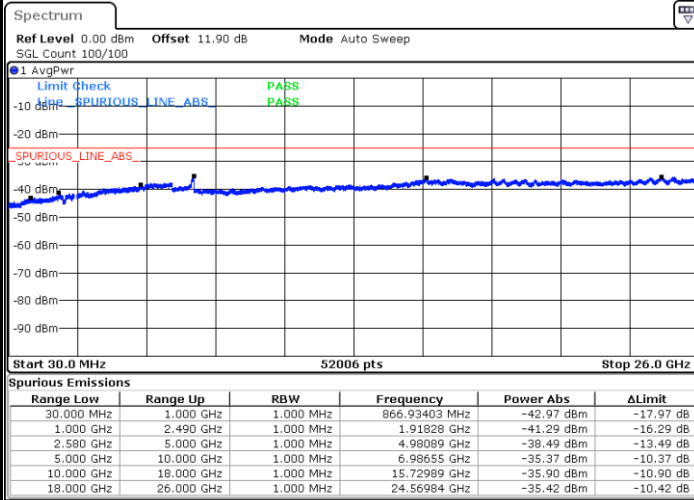


Date: 1.MAR.2020 18:59:34



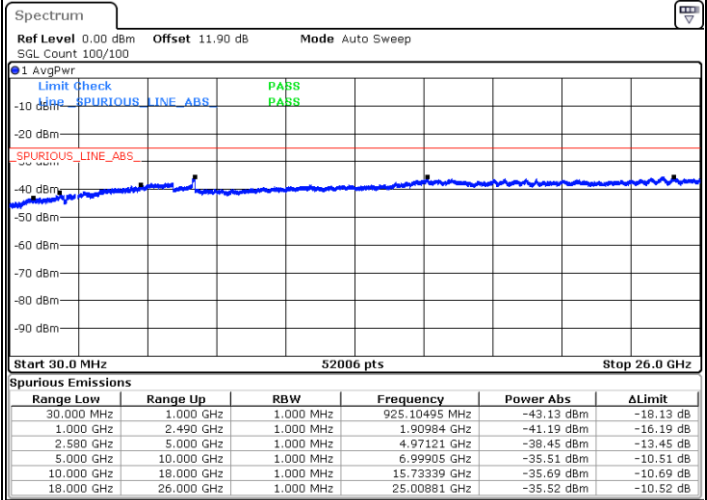
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



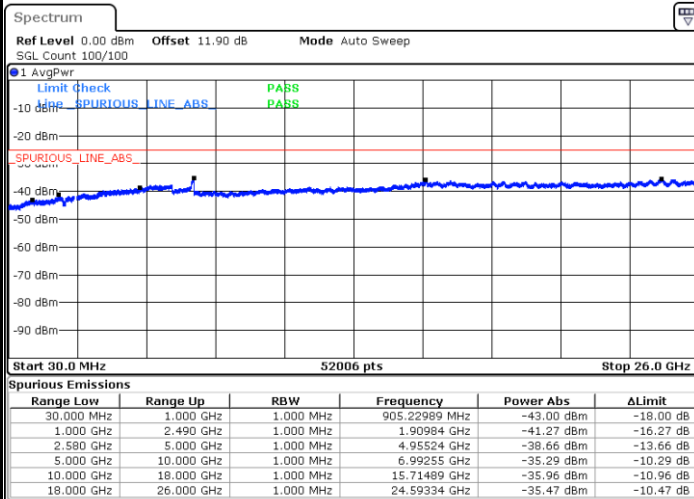
Date: 1.MAR.2020 18:02:45

Middle Channel / 64QAM



Date: 1.MAR.2020 18:04:01

Highest Channel / 64QAM

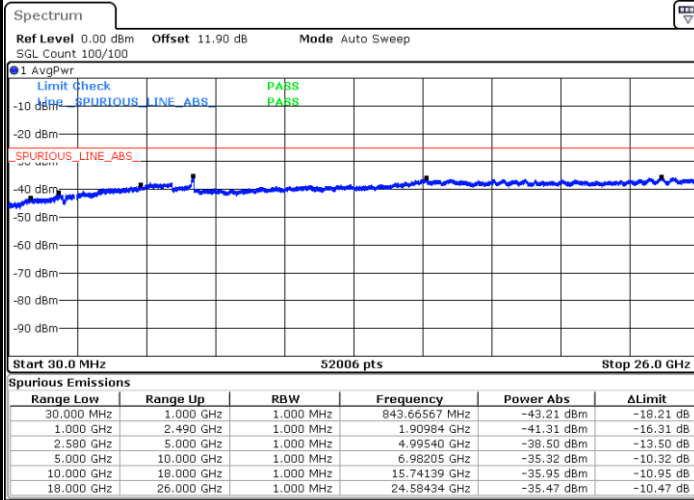


Date: 1.MAR.2020 18:06:41



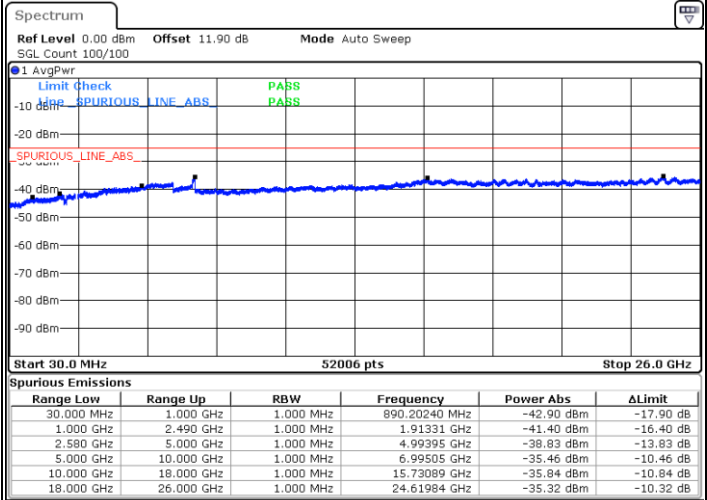
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



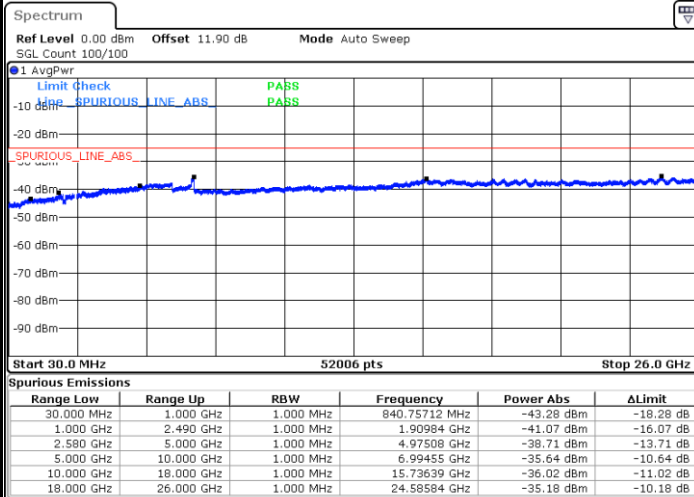
Date: 1.MAR.2020 18:22:34

Middle Channel / 64QAM



Date: 1.MAR.2020 18:23:49

Highest Channel / 64QAM

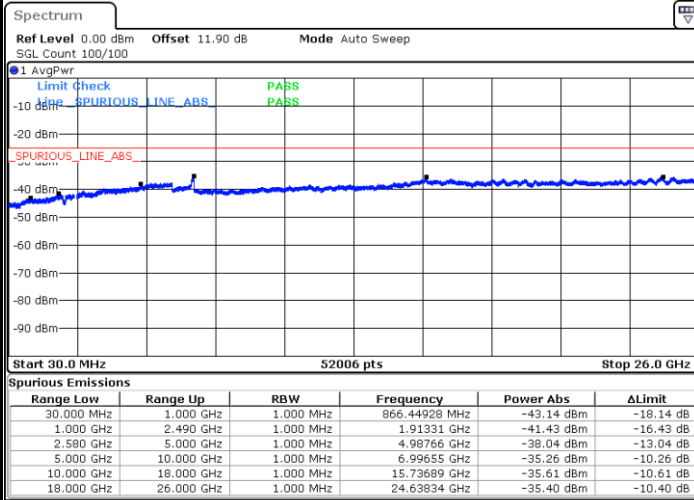


Date: 1.MAR.2020 18:26:29



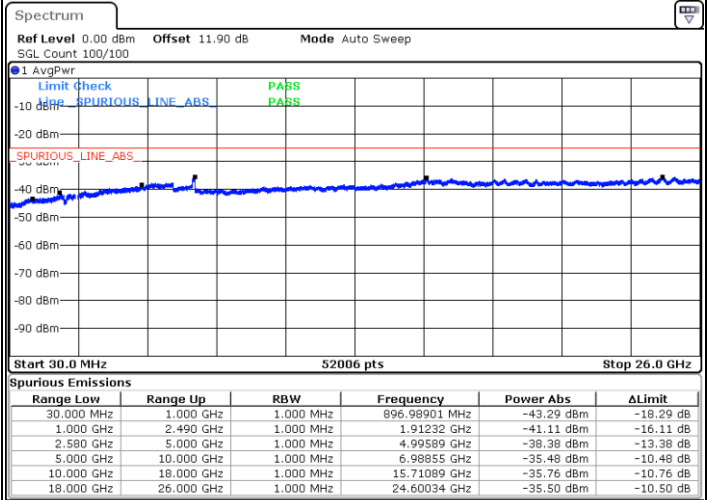
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



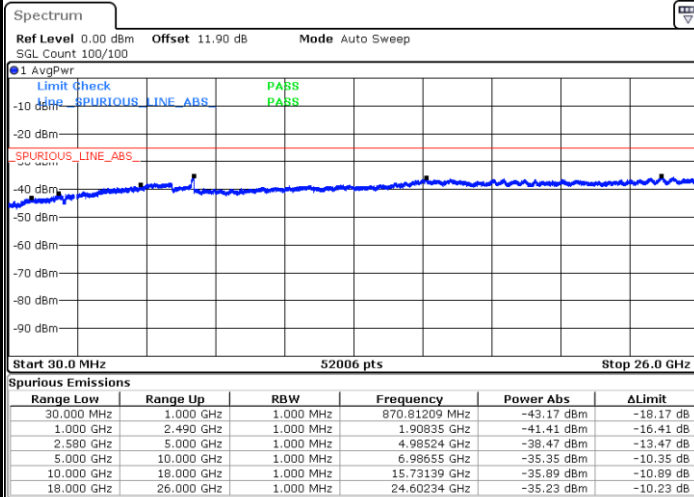
Date: 1.MAR.2020 18:42:25

Middle Channel / 64QAM



Date: 1.MAR.2020 18:43:40

Highest Channel / 64QAM

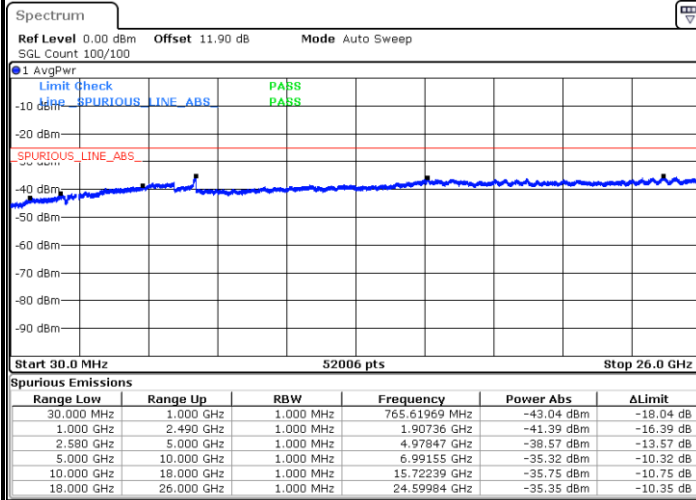


Date: 1.MAR.2020 18:46:20



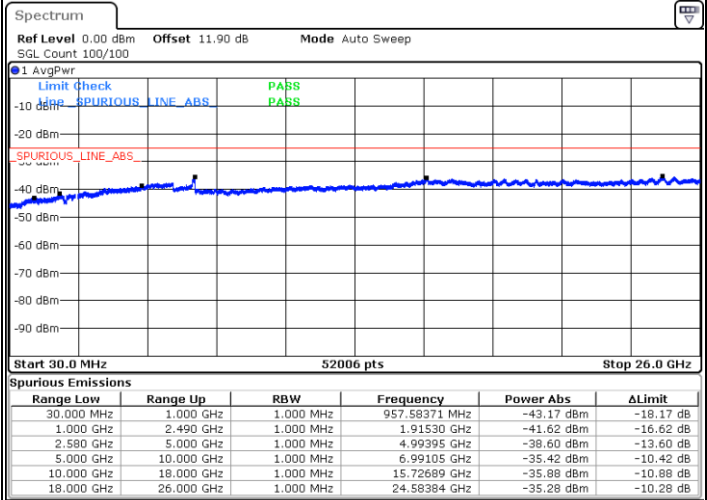
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



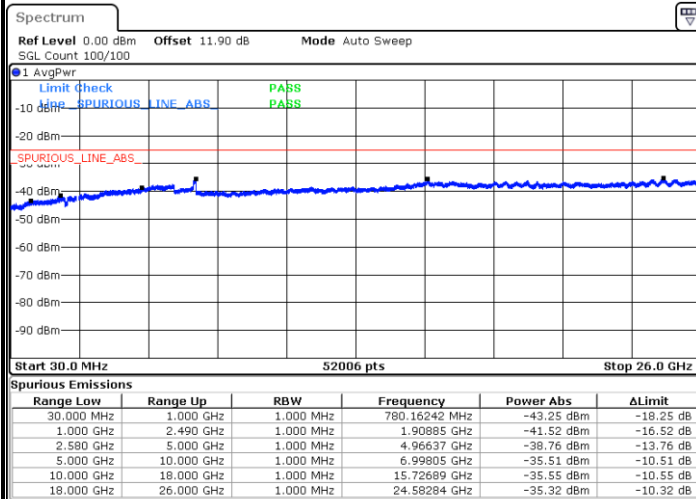
Date: 1.MAR.2020 19:02:15

Middle Channel / 64QAM



Date: 1.MAR.2020 19:03:30

Highest Channel / 64QAM



Date: 1.MAR.2020 19:06:11

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	0.0004	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0086	
-10	Normal Voltage	0.0087	
-20	Normal Voltage	0.0095	
-30	Normal Voltage	0.0091	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0095	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.20 V. ; Maximum Voltage =8.90 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
Lowest CH	29.97	25.18	30.51	34.90
Middle CH	29.67	25.33	30.45	34.76
Highest CH	29.97	25.23	30.51	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	34.90	39.56	-
Middle CH	30.03	34.90	39.72	-
Highest CH	30.03	35.04	39.80	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.79	25.13	30.57	34.90
Middle CH	29.61	25.18	30.51	34.83
Highest CH	29.85	25.33	30.63	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	35.04	39.88	-
Middle CH	30.09	34.97	39.72	-
Highest CH	30.15	34.90	39.64	-

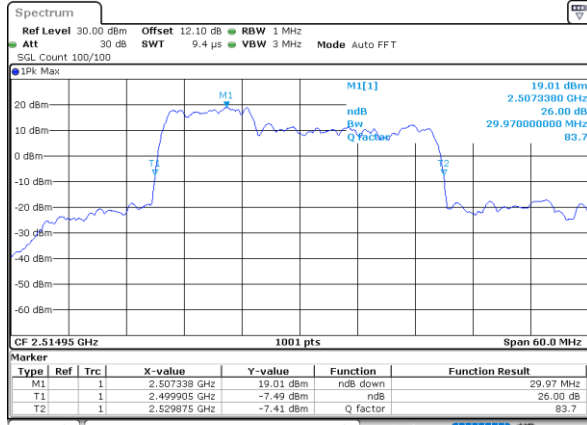
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.79	25.13	30.51	34.83
Middle CH	29.73	25.23	30.57	34.76
Highest CH	29.73	25.23	30.69	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.83	39.72	-
Middle CH	29.91	34.83	39.72	-
Highest CH	30.03	34.90	39.88	-



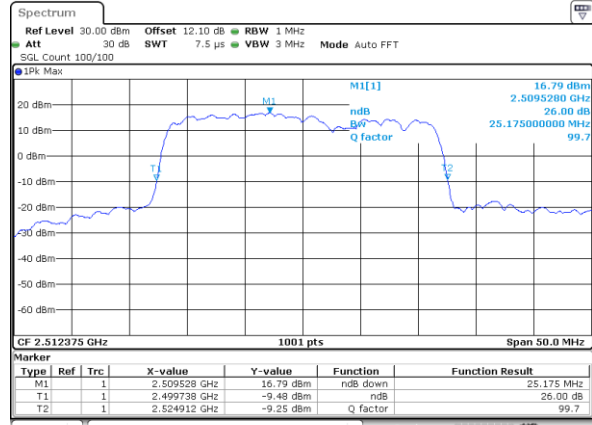
LTE Band 7C

QPSK

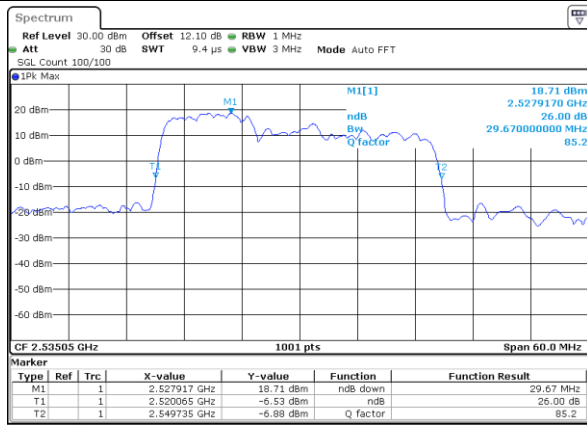
Lowest Channel / 10MHz+20MHz



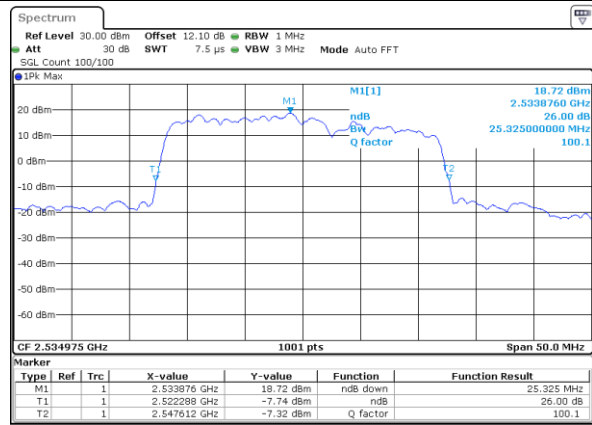
Lowest Channel / 15MHz+10MHz



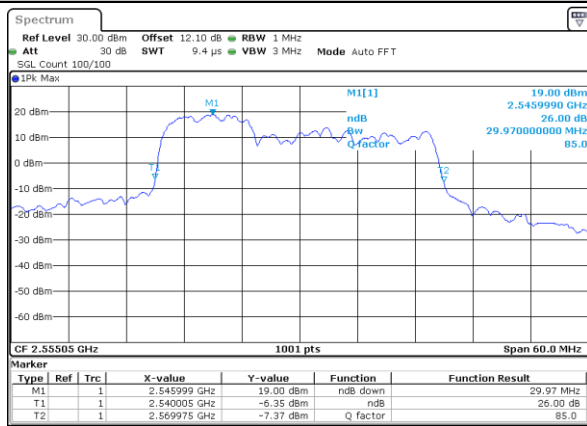
Middle Channel / 10MHz+20MHz



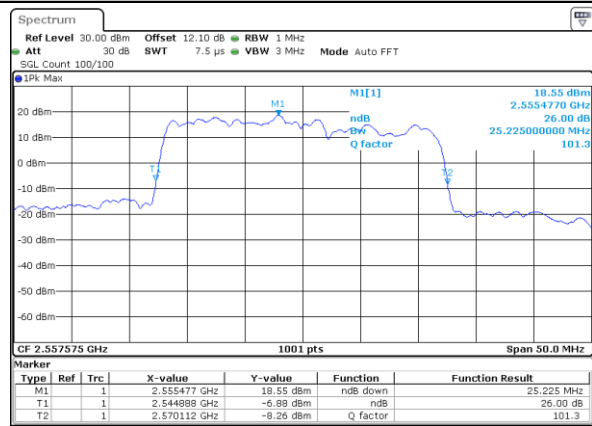
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz





Lowest Channel / 15MHz+15MHz



Lowest Channel / 15MHz+20MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

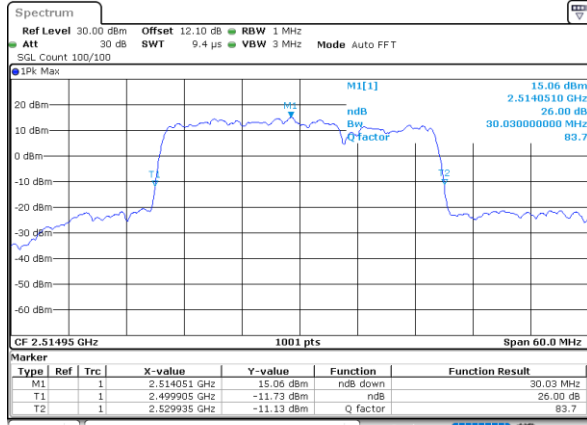




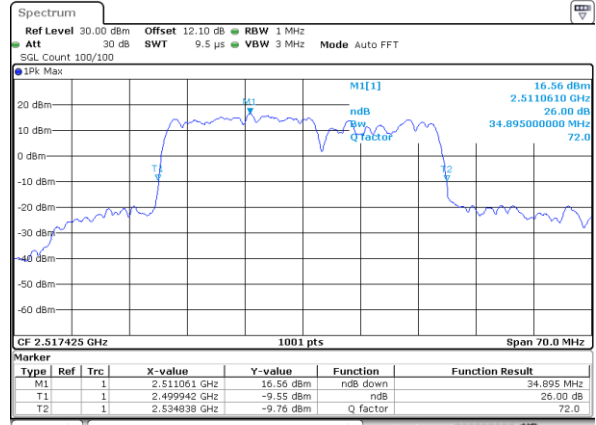
LTE Band 7C

QPSK

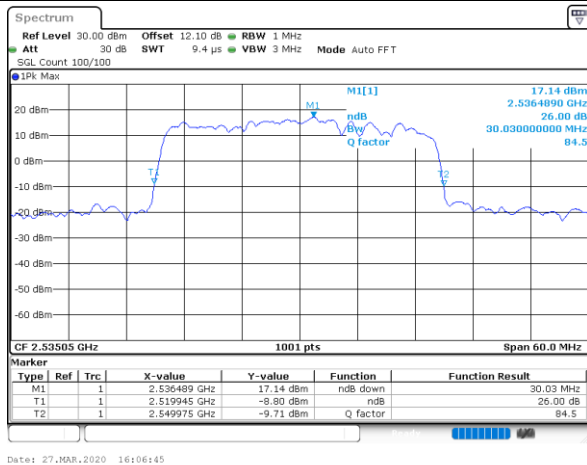
Lowest Channel / 20MHz+10MHz



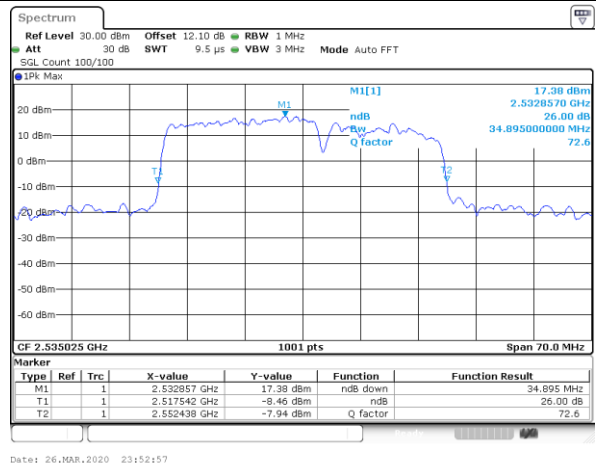
Lowest Channel / 20MHz+15MHz



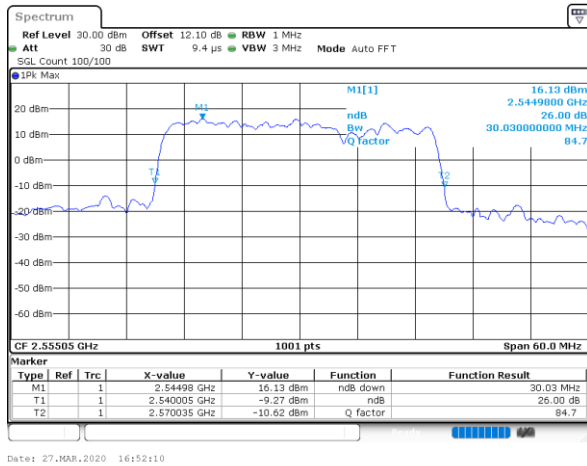
Middle Channel / 20MHz+10MHz



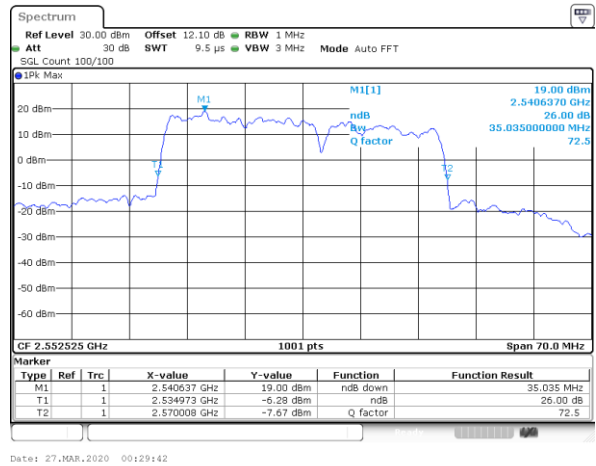
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



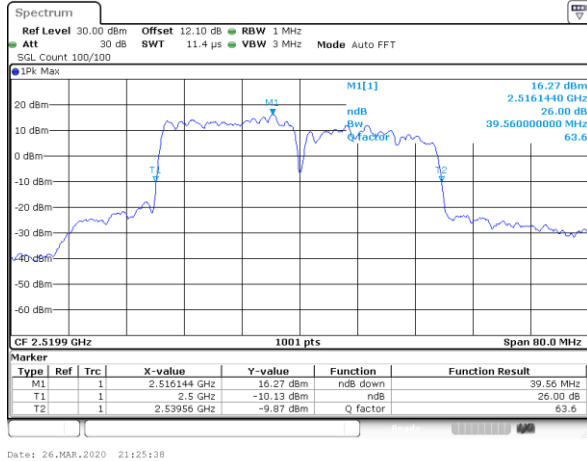


LTE Band 7C

QPSK

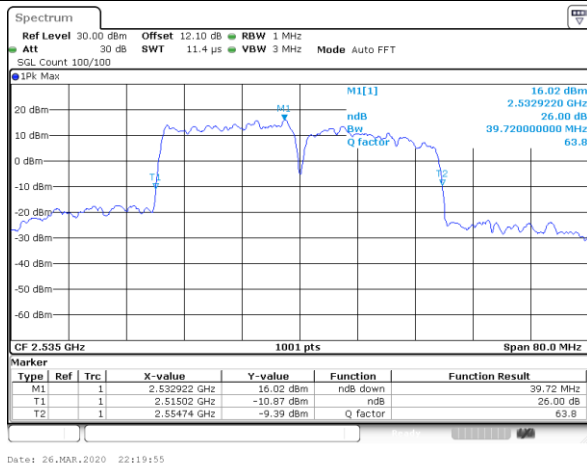
Lowest Channel / 20MHz+20MHz

N/A



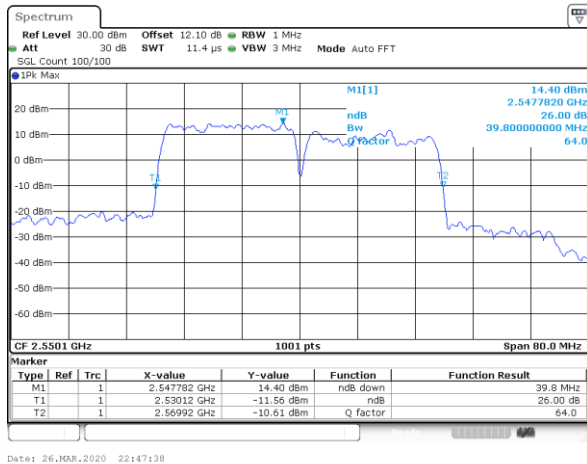
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

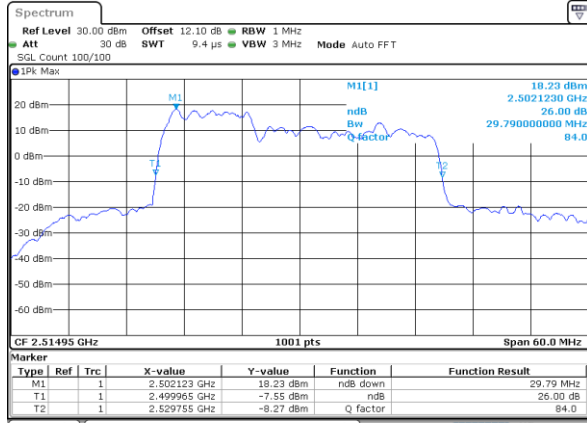




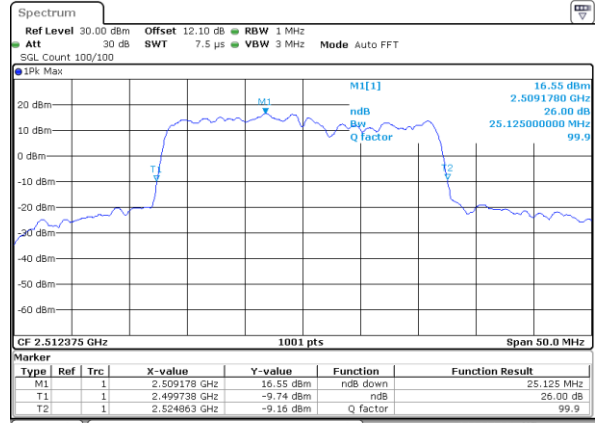
LTE Band 7C

16QAM

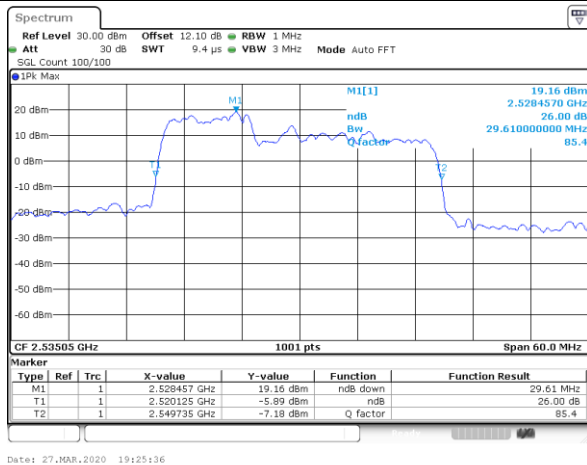
Lowest Channel / 10MHz+20MHz



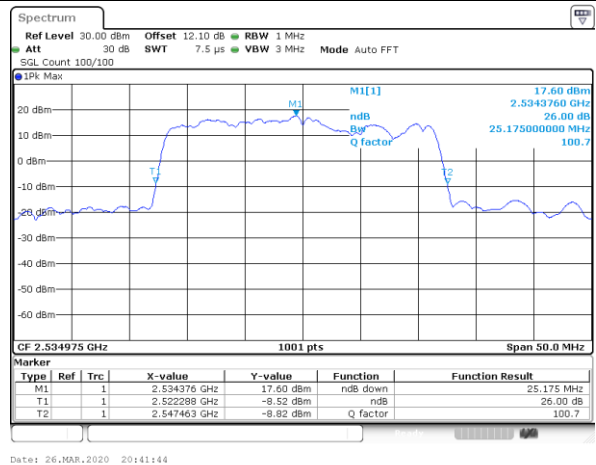
Lowest Channel / 15MHz+10MHz



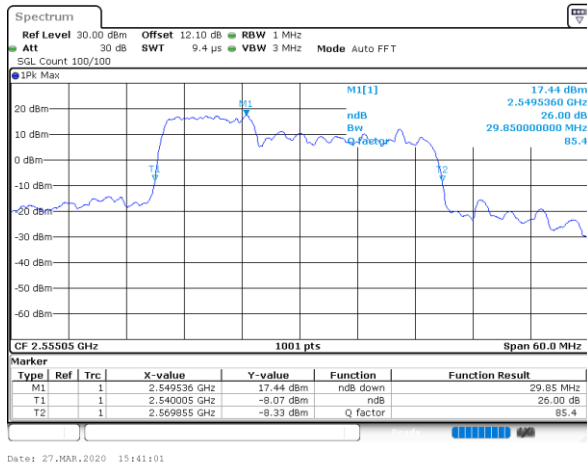
Middle Channel / 10MHz+20MHz



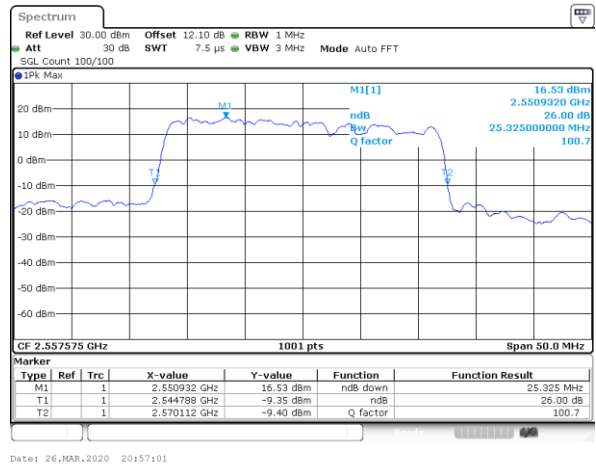
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

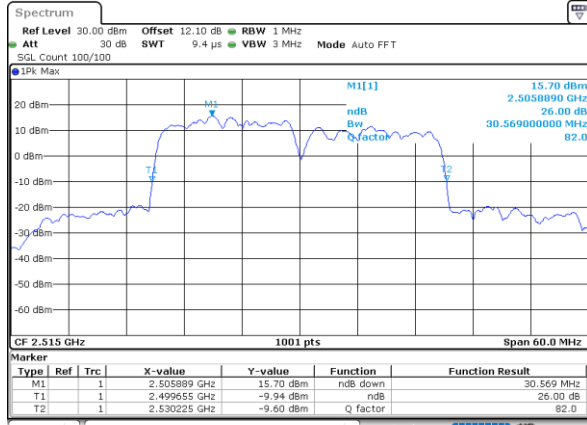




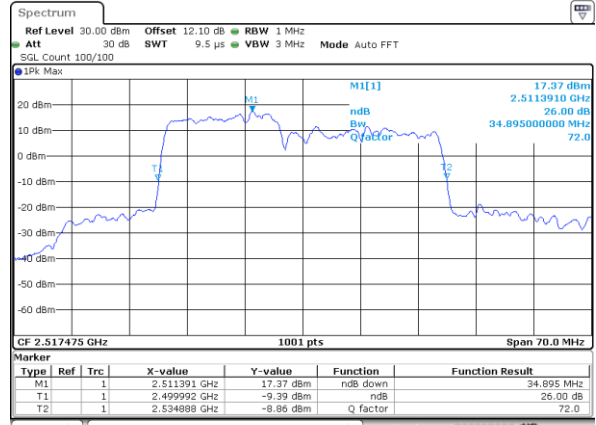
LTE Band 7C

16QAM

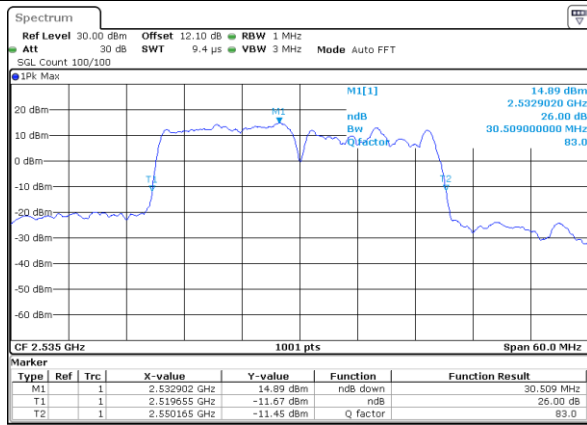
Lowest Channel / 15MHz+15MHz



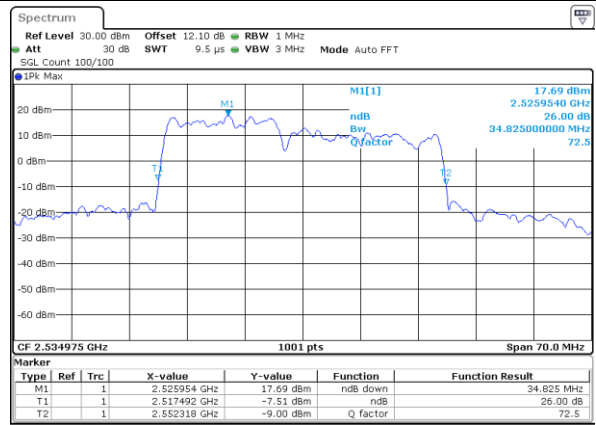
Lowest Channel / 15MHz+20MHz



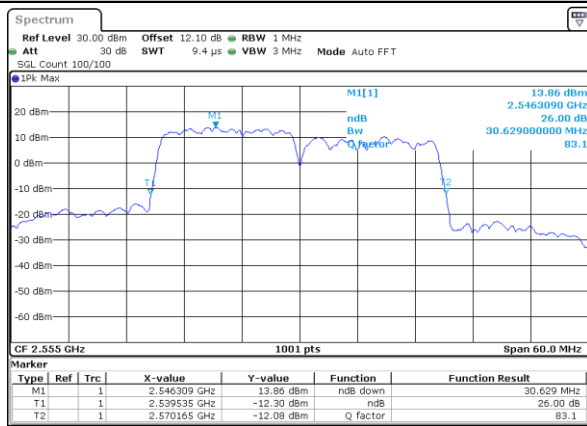
Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

