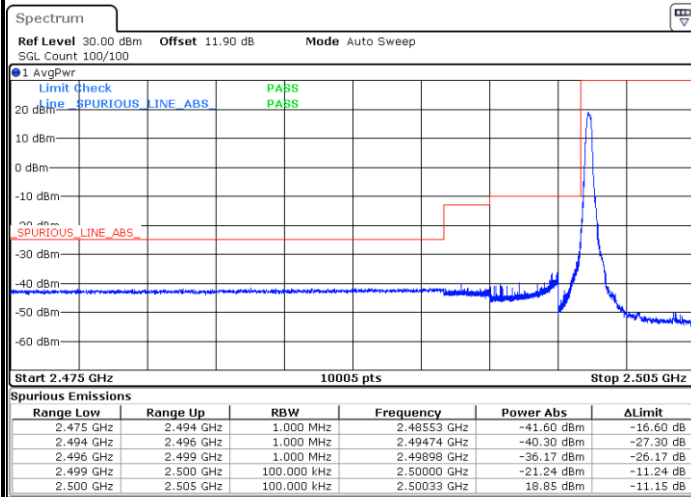


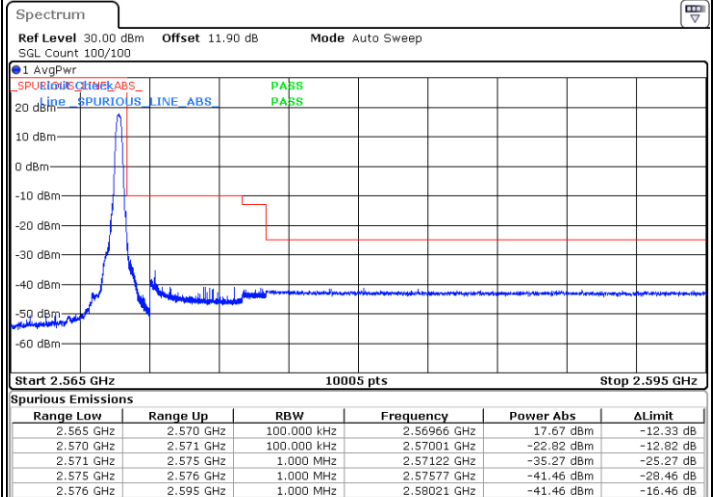


LTE Band 7 / 5MHz / 64QAM

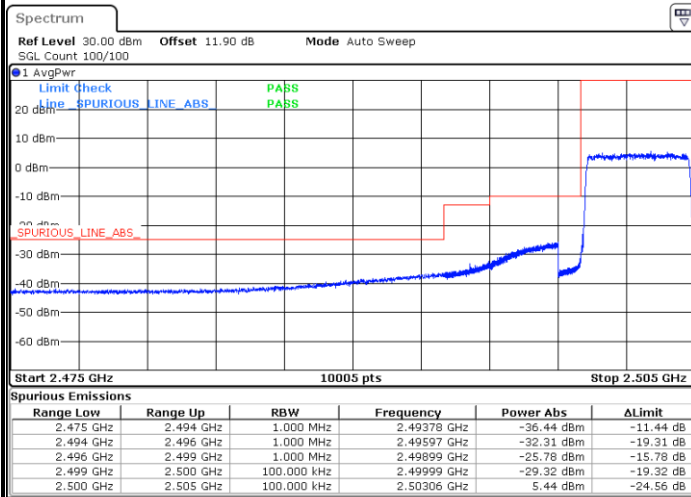
Lowest Band Edge / 1RB



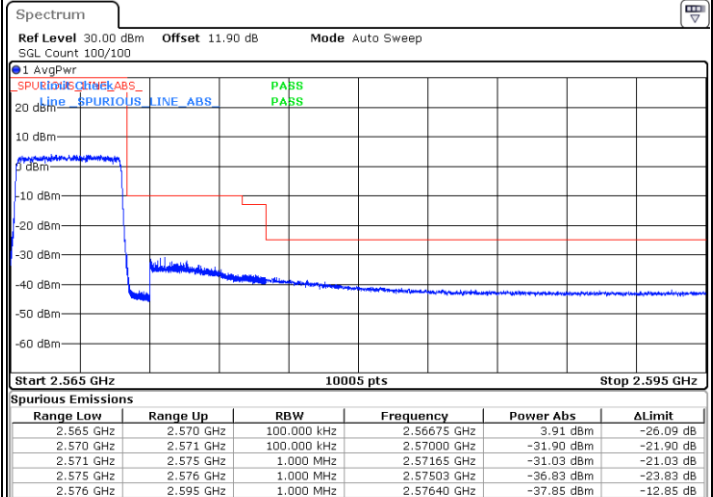
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



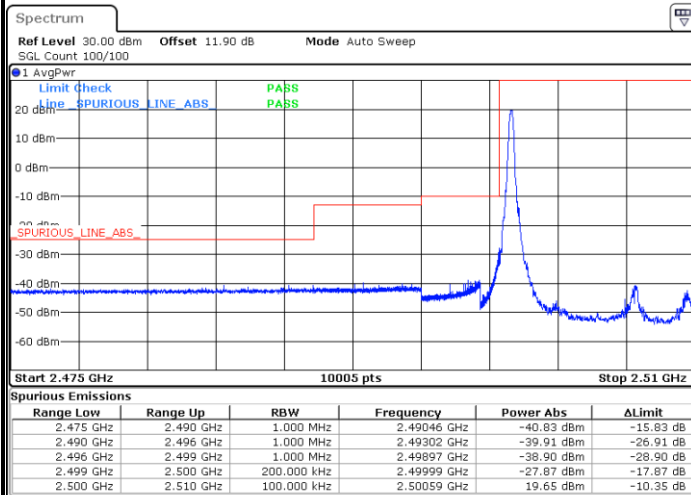
Highest Band Edge / Full RB



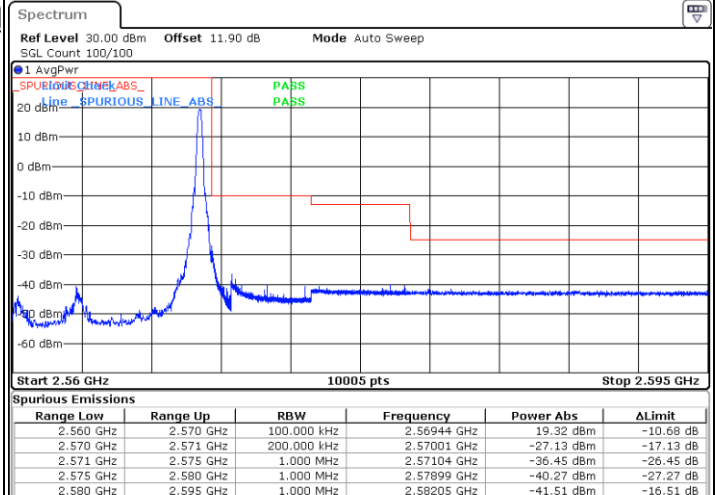


LTE Band 7 / 10MHz / QPSK

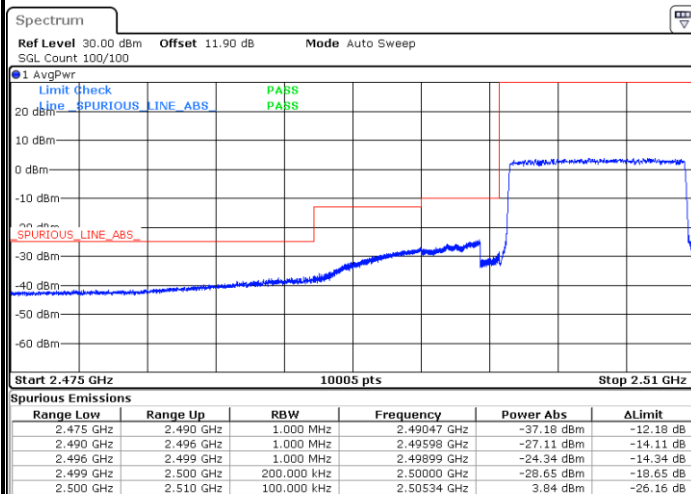
Lowest Band Edge / 1 RB



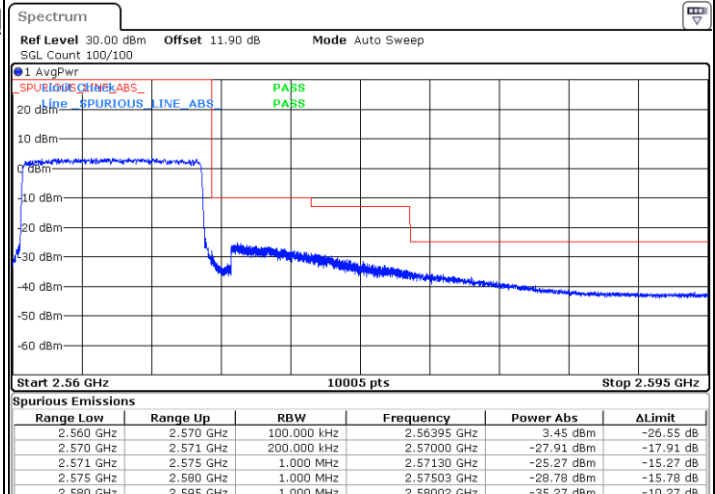
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



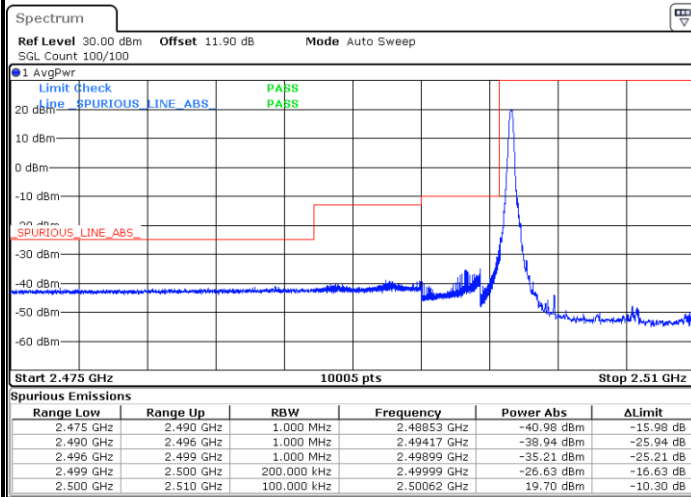
Highest Band Edge / Full RB



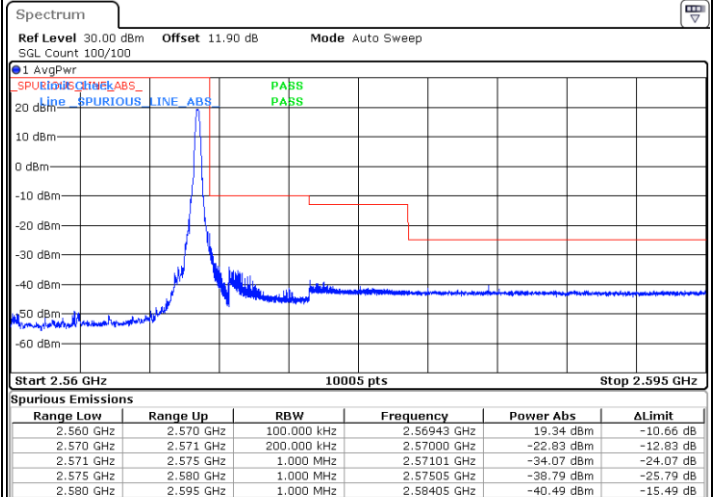


LTE Band 7 / 10MHz / 16QAM

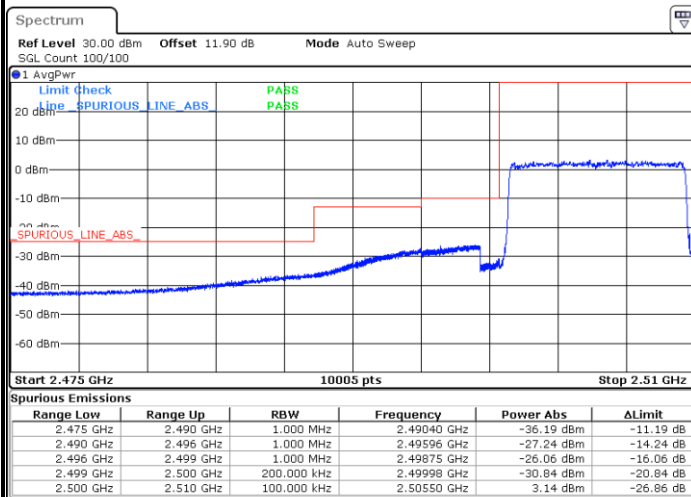
Lowest Band Edge / 1 RB



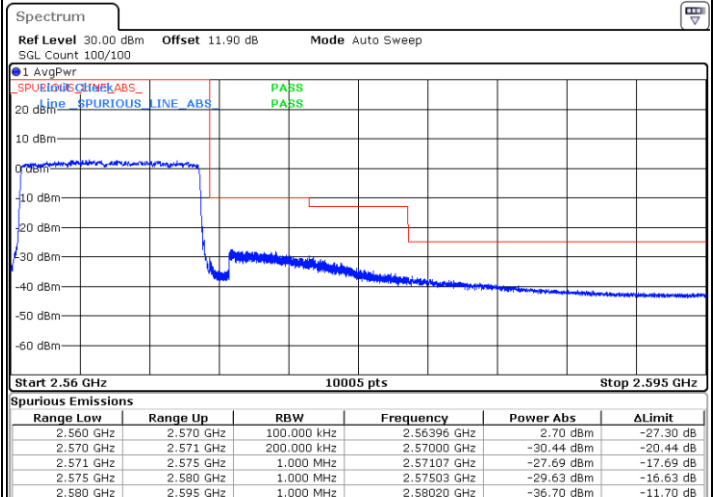
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



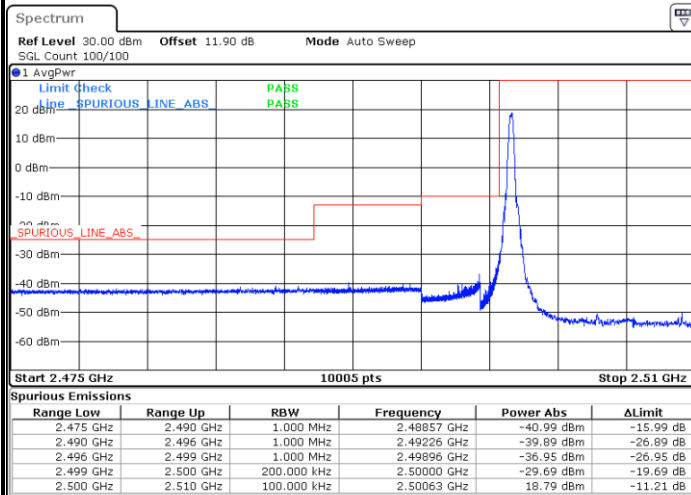
Highest Band Edge / Full RB



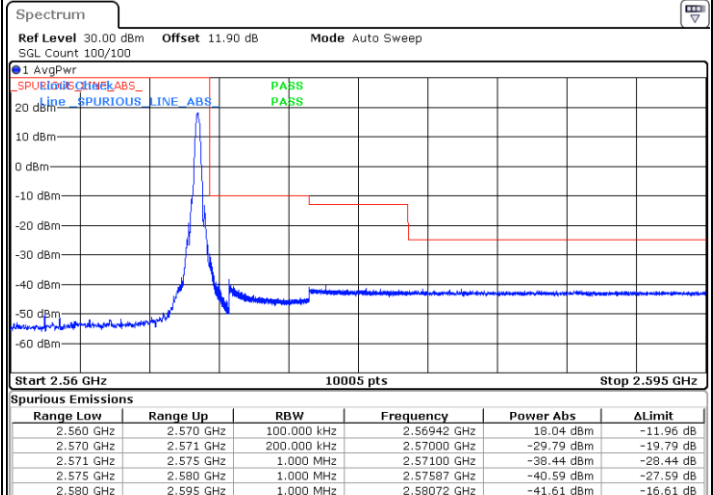


LTE Band 7 / 10MHz / 64QAM

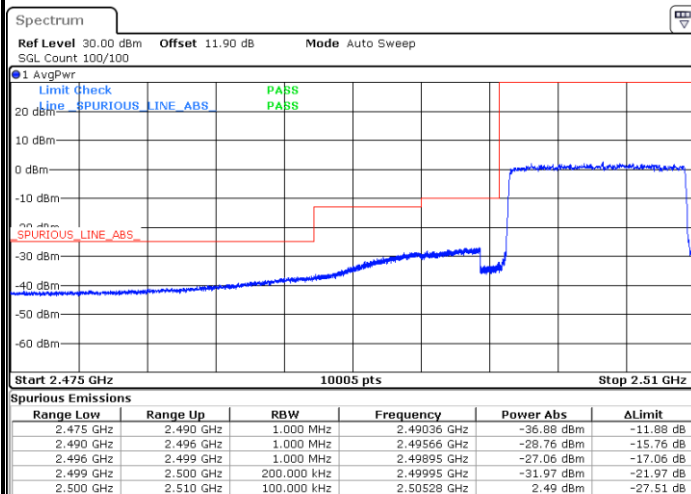
Lowest Band Edge / 1 RB



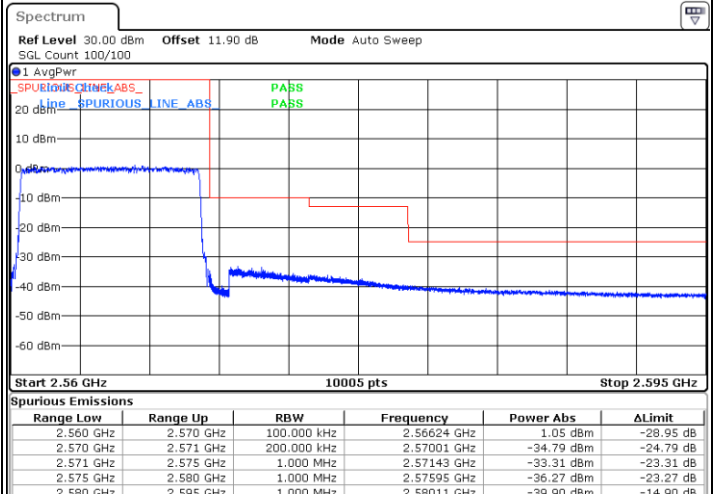
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



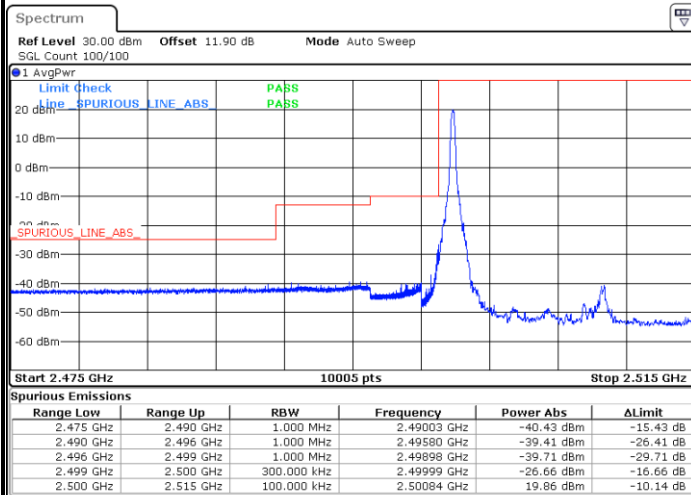
Highest Band Edge / Full RB



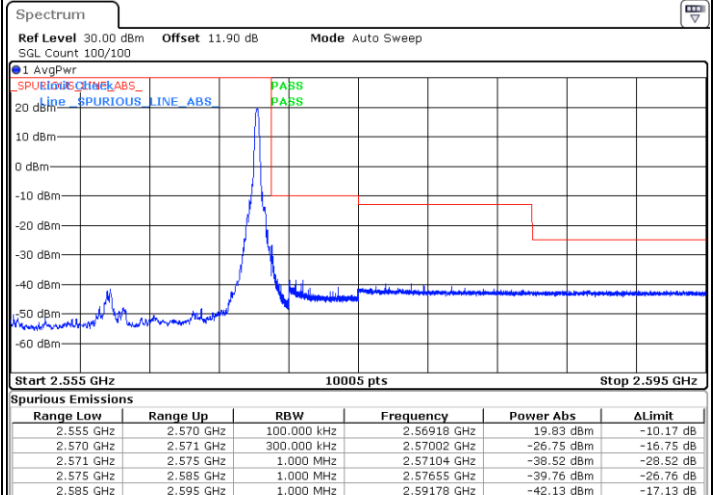


LTE Band 7 / 15MHz / QPSK

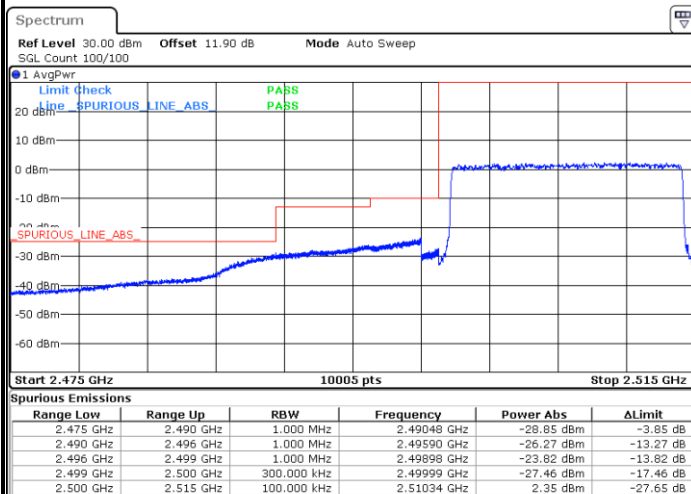
Lowest Band Edge / 1 RB



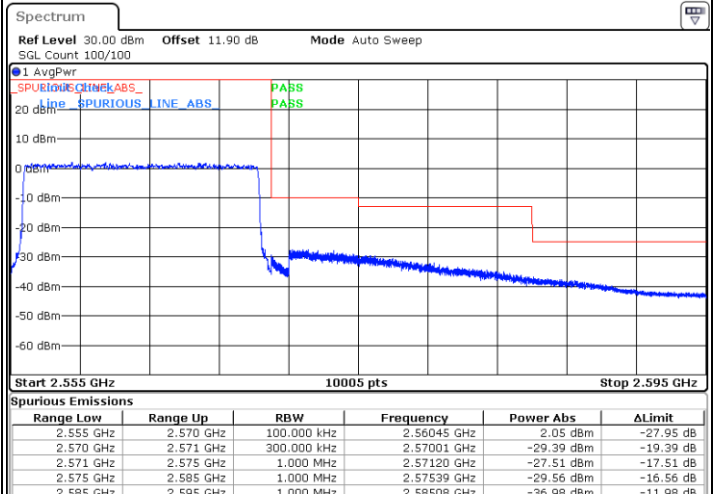
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



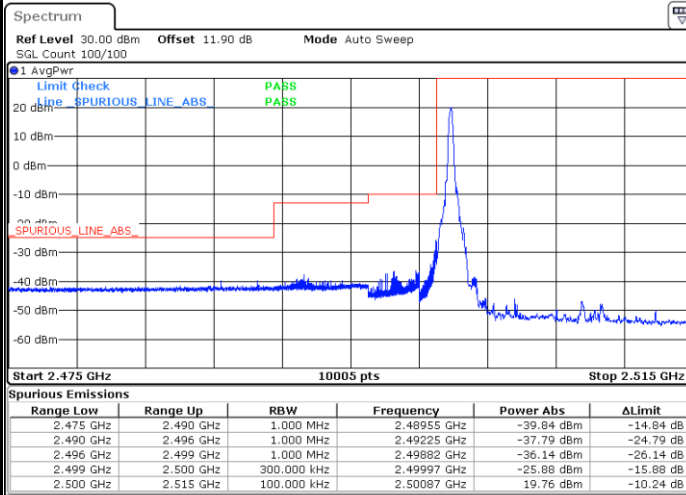
Highest Band Edge / Full RB



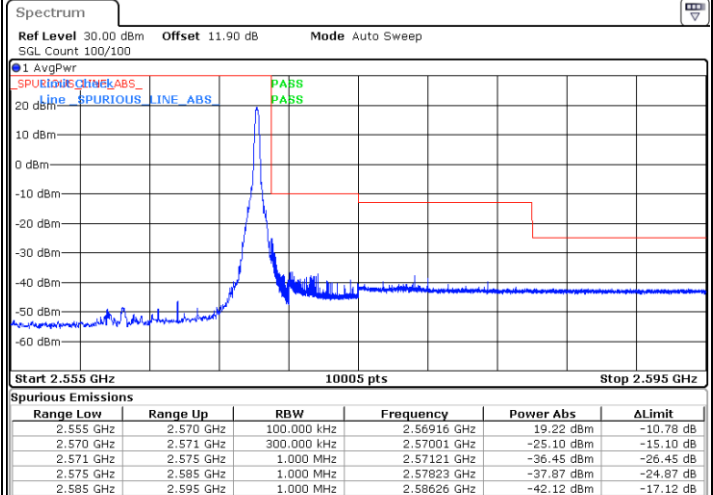


LTE Band 7 / 15MHz / 16QAM

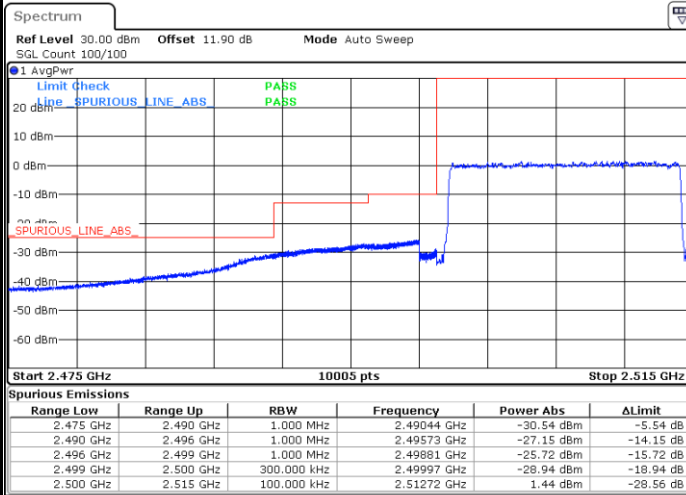
Lowest Band Edge / 1 RB



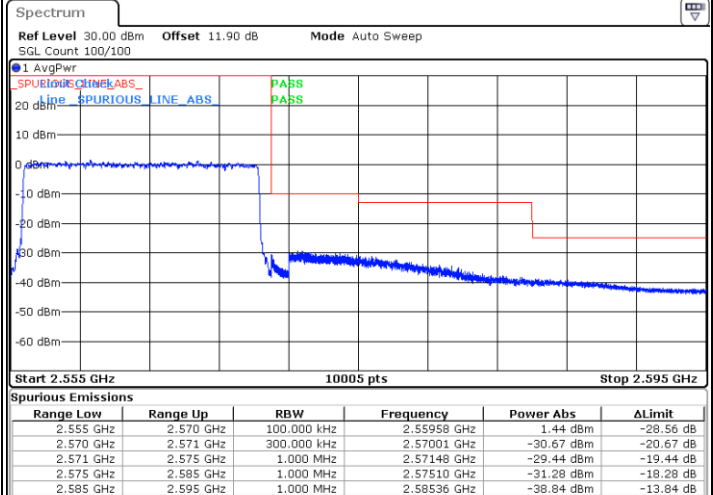
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



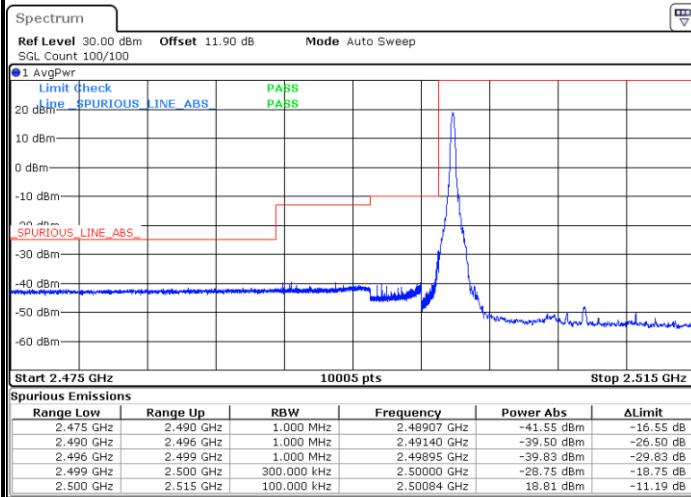
Highest Band Edge / Full RB



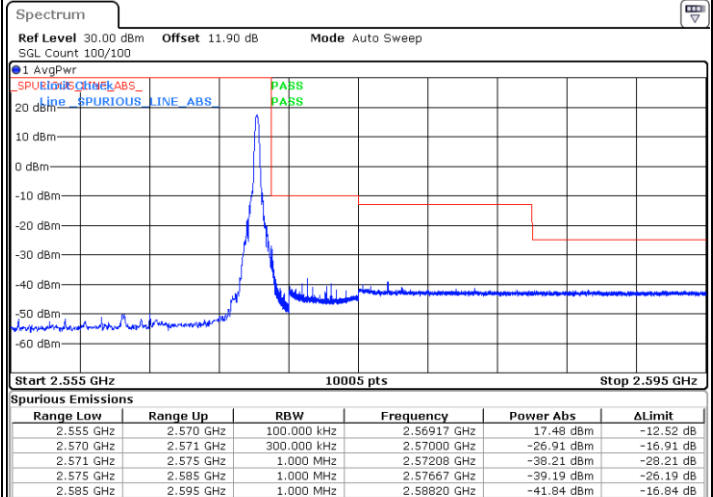


LTE Band 7 / 15MHz / 64QAM

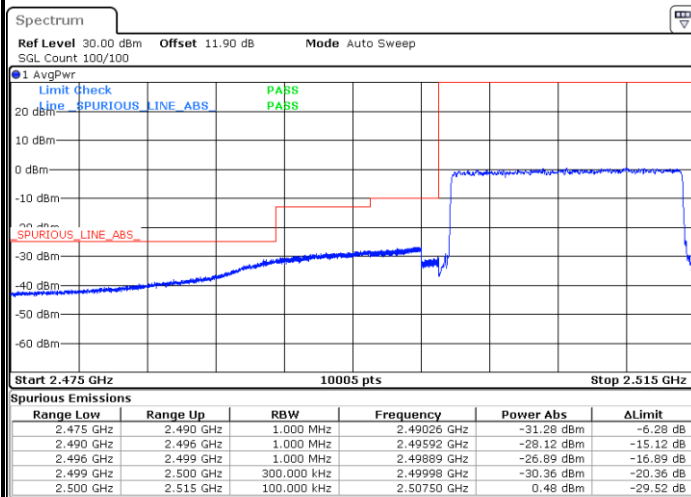
Lowest Band Edge / 1 RB



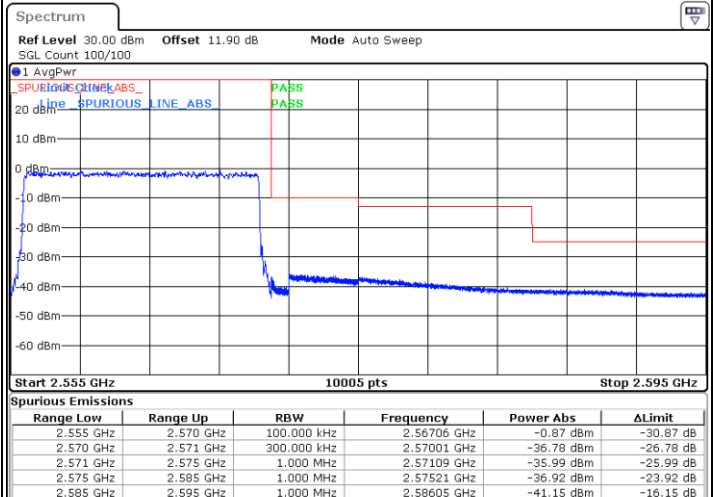
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



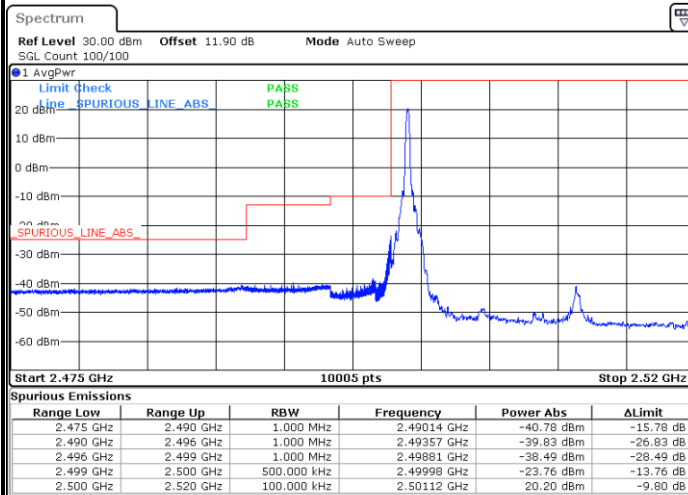
Highest Band Edge / Full RB



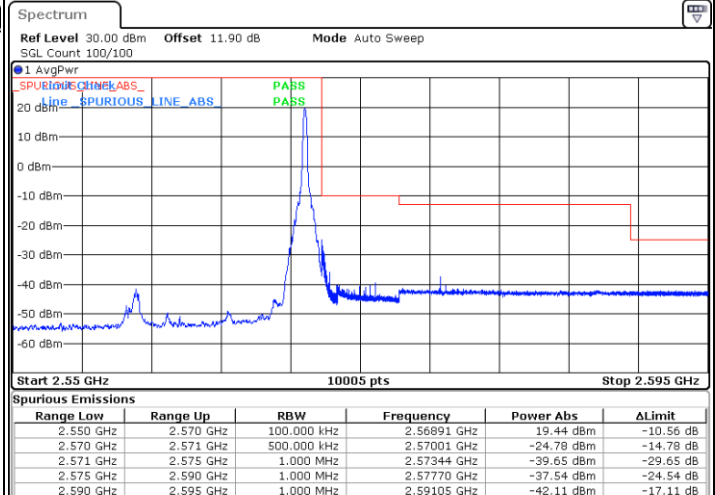


LTE Band 7 / 20MHz / QPSK

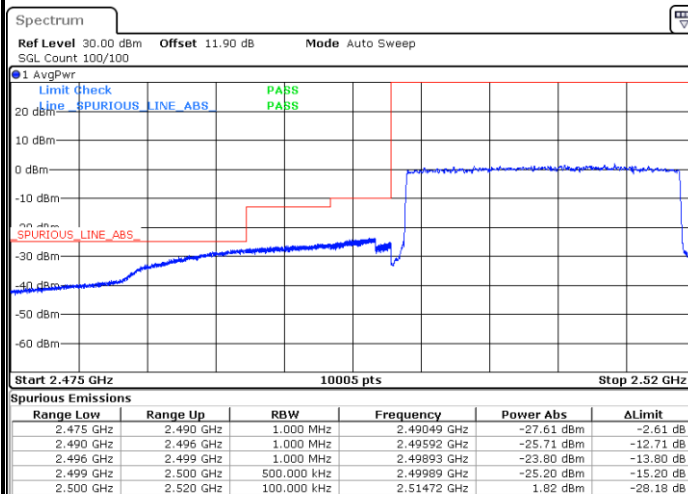
Lowest Band Edge / 1 RB



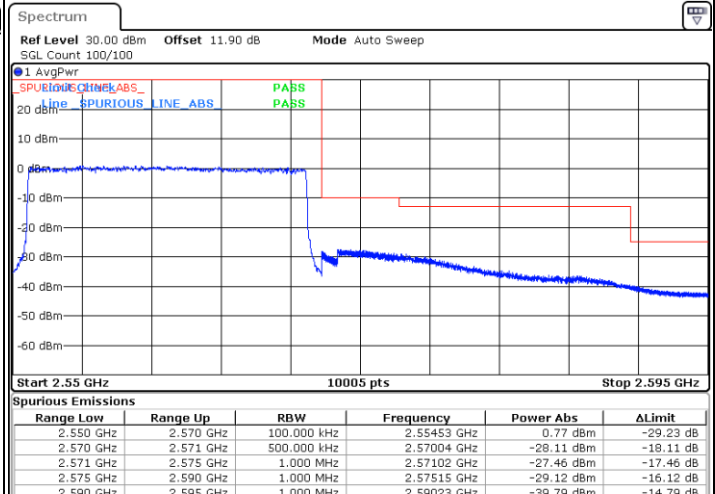
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



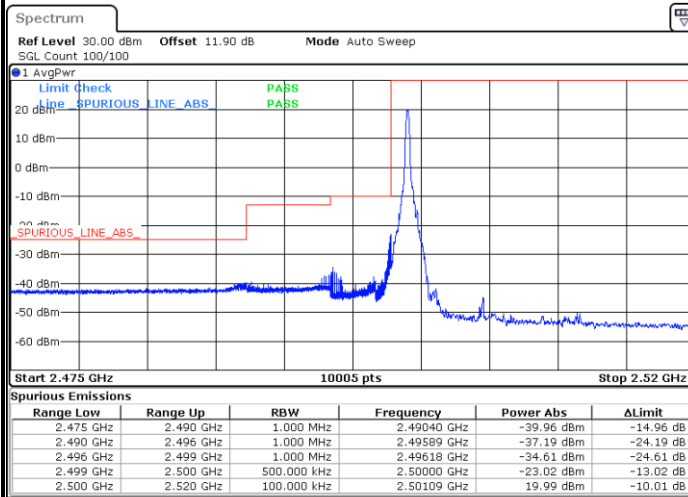
Highest Band Edge / Full RB



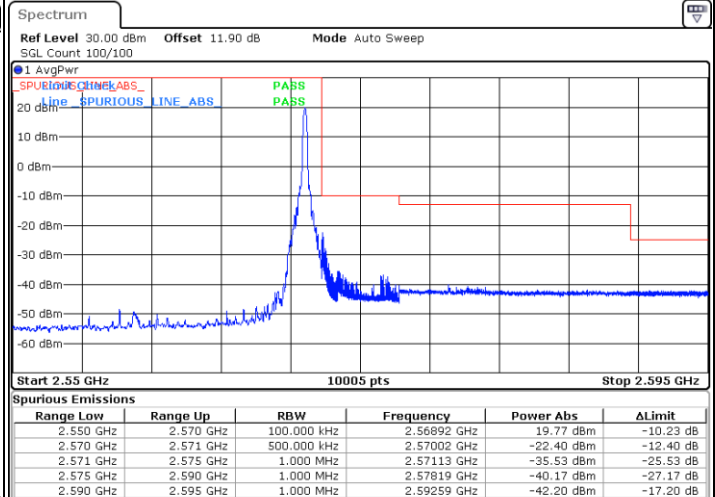


LTE Band 7 / 20MHz / 16QAM

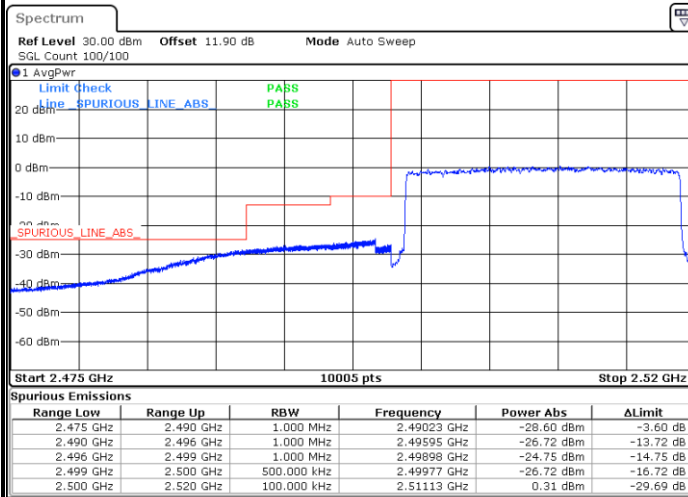
Lowest Band Edge / 1 RB



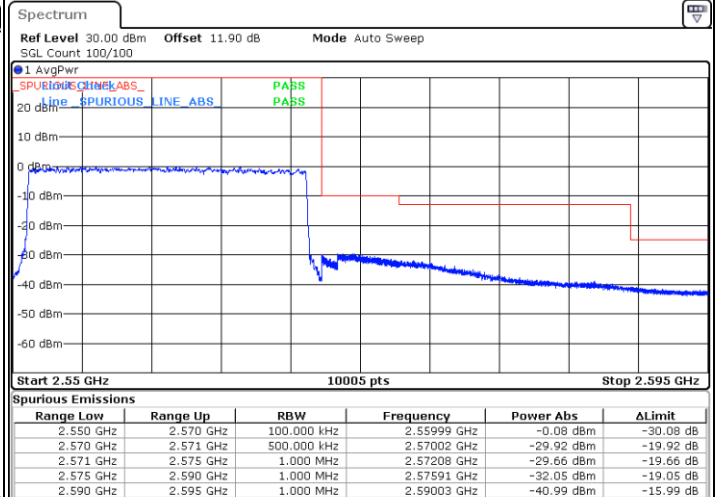
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



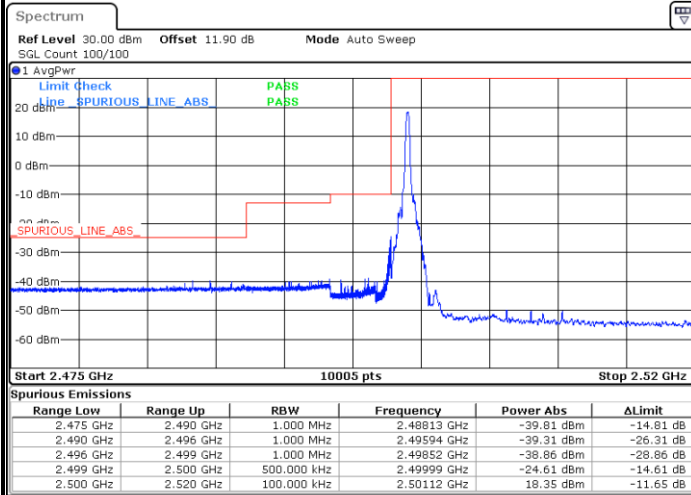
Highest Band Edge / Full RB



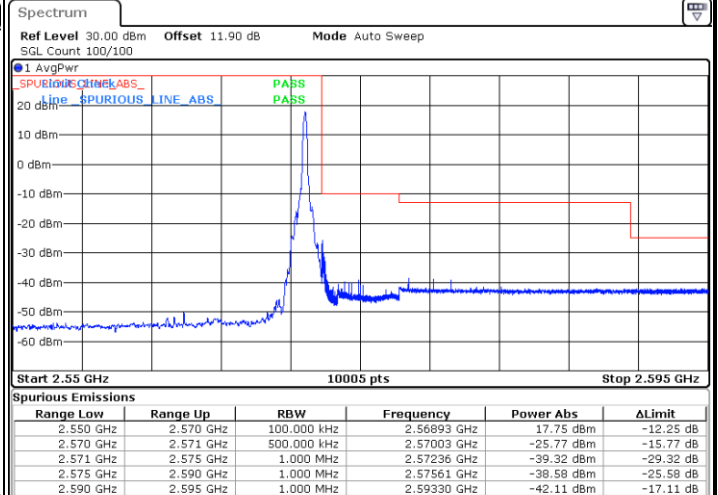


LTE Band 7 / 20MHz / 64QAM

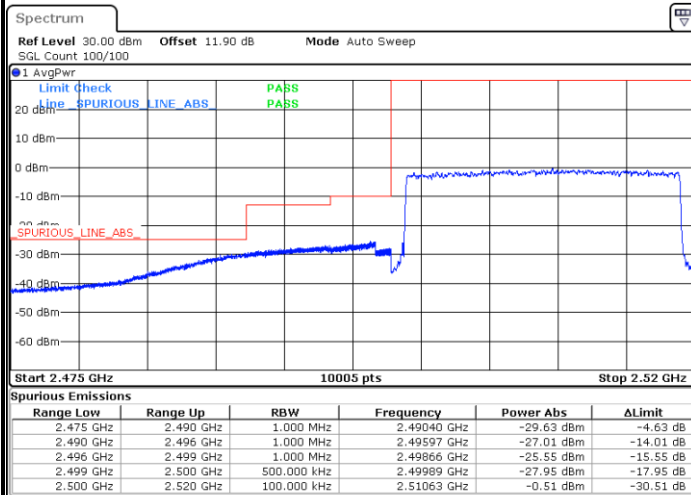
Lowest Band Edge / 1 RB



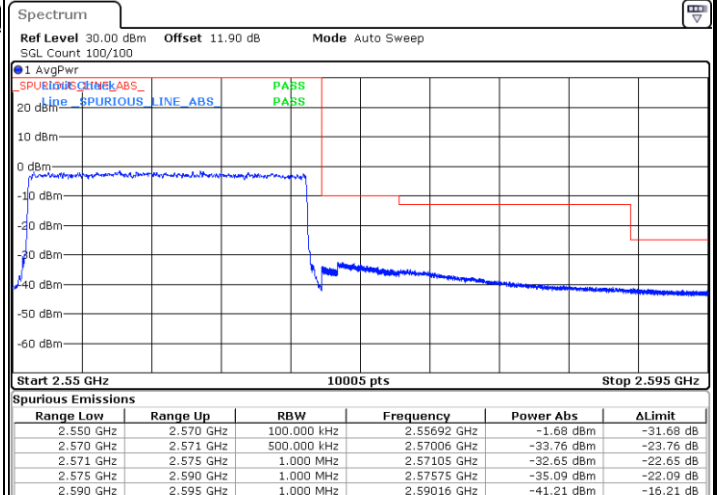
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

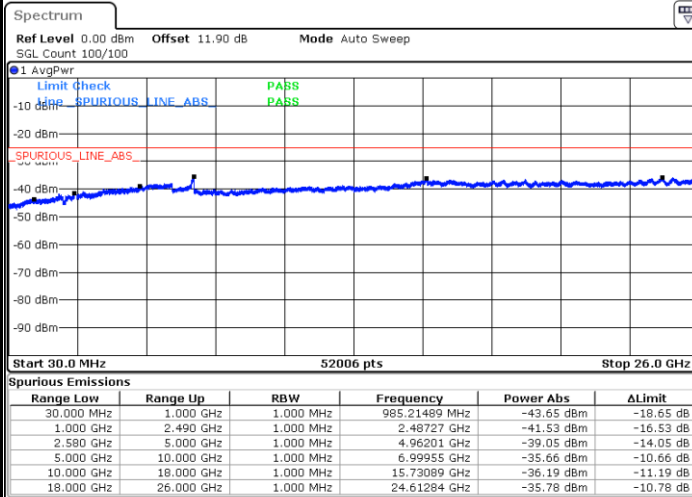




Conducted Spurious Emission

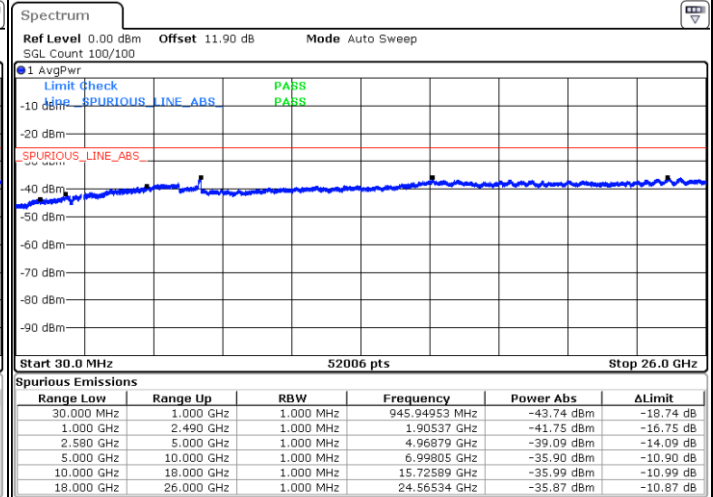
LTE Band 7 / 5MHz

Lowest Channel / QPSK



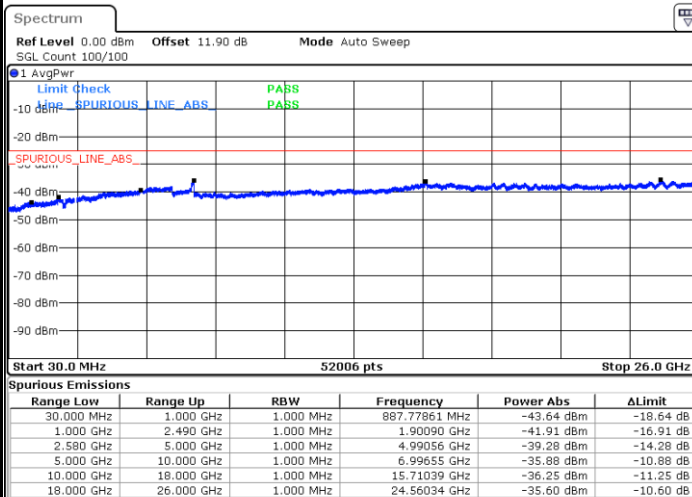
Date: 11.FEB.2020 07:38:58

Lowest Channel / 16QAM



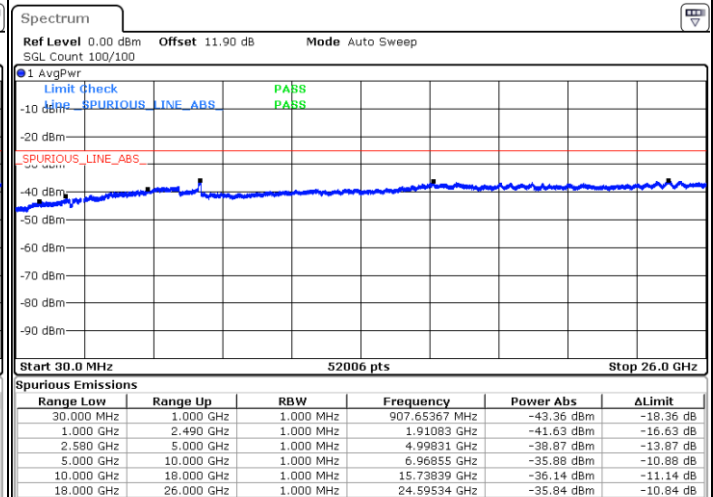
Date: 11.FEB.2020 07:39:50

Middle Channel / QPSK



Date: 11.FEB.2020 07:41:36

Middle Channel / 16QAM

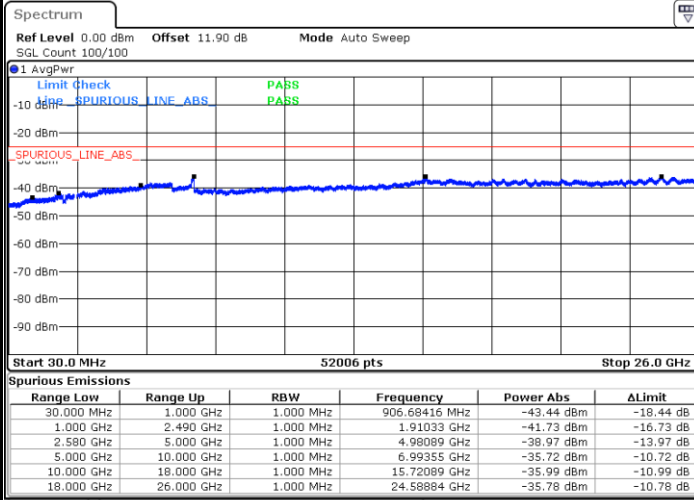


Date: 11.FEB.2020 07:42:27



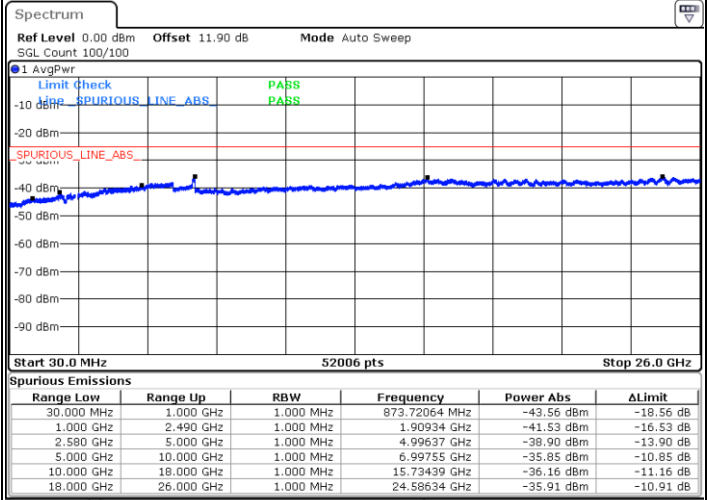
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 11.FEB.2020 07:49:01

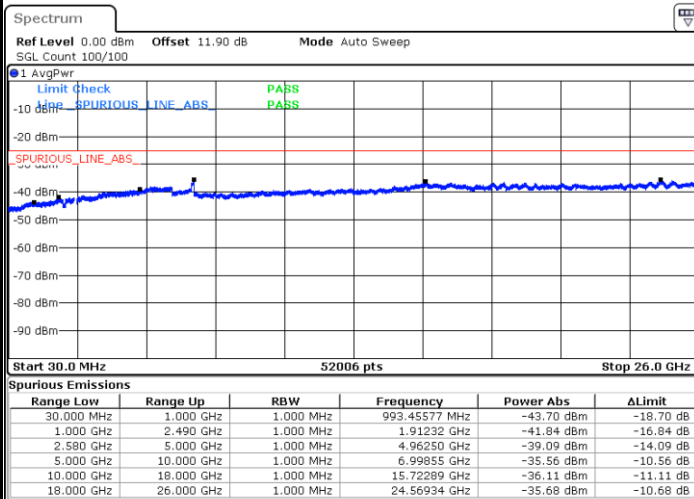
Highest Channel / 16QAM



Date: 11.FEB.2020 07:49:54

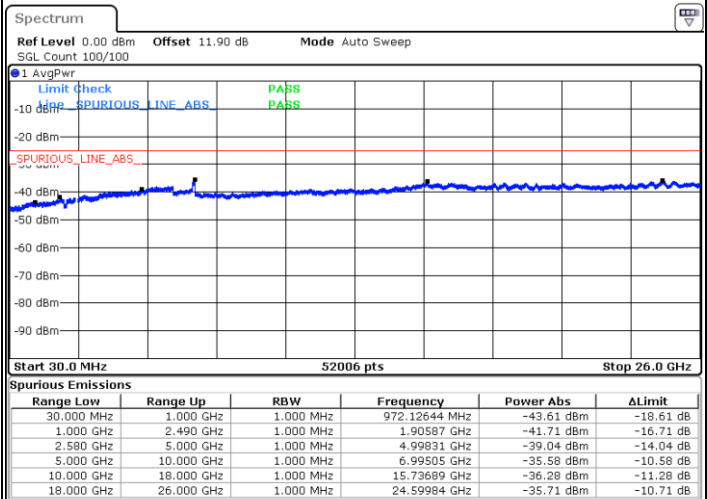
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 11.FEB.2020 08:05:11

Lowest Channel / 16QAM

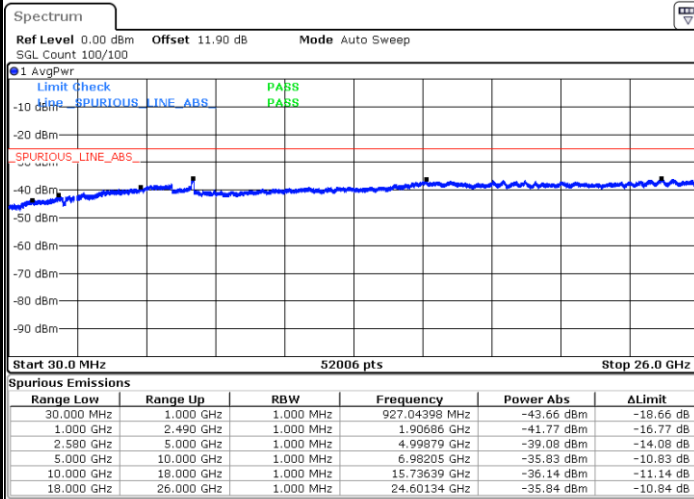


Date: 11.FEB.2020 08:06:03



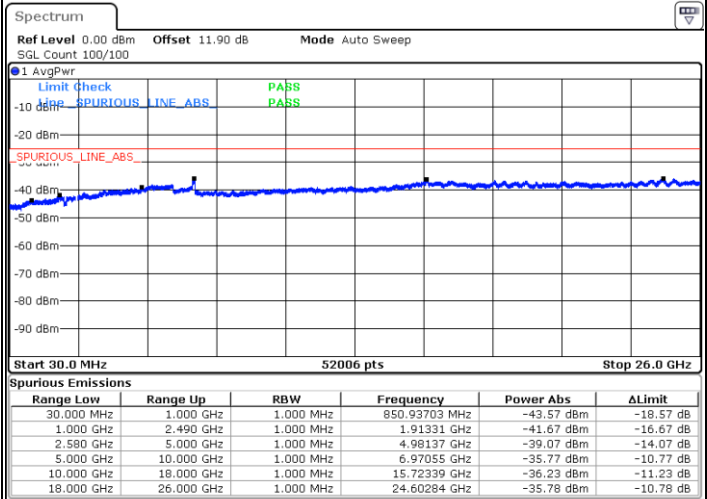
LTE Band 7 / 10MHz

Middle Channel / QPSK



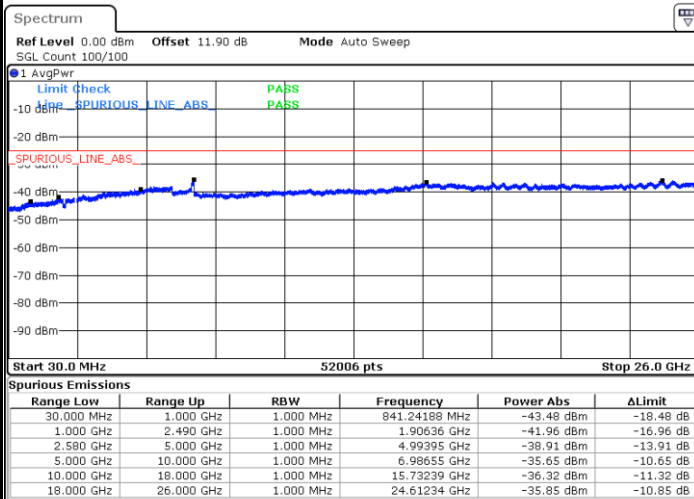
Date: 11.FEB.2020 08:07:48

Middle Channel / 16QAM



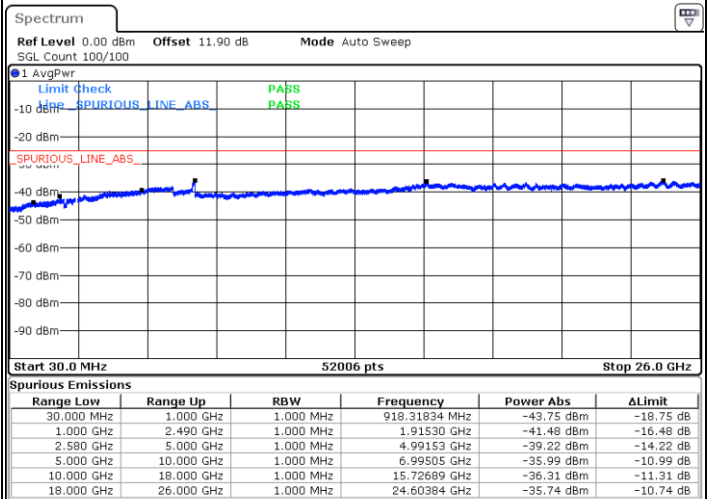
Date: 11.FEB.2020 08:08:40

Highest Channel / QPSK



Date: 11.FEB.2020 08:15:13

Highest Channel / 16QAM

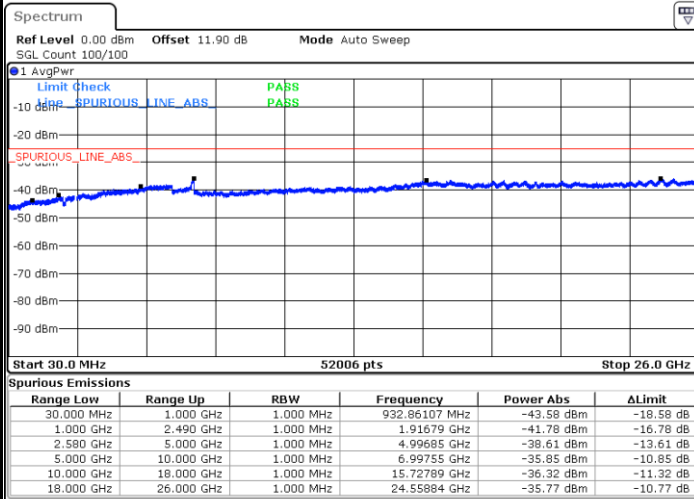


Date: 11.FEB.2020 08:16:05



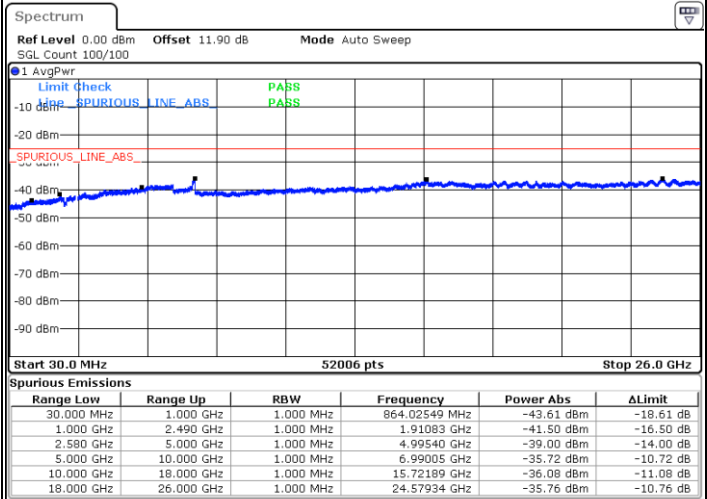
LTE Band 7 / 15MHz

Lowest Channel / QPSK



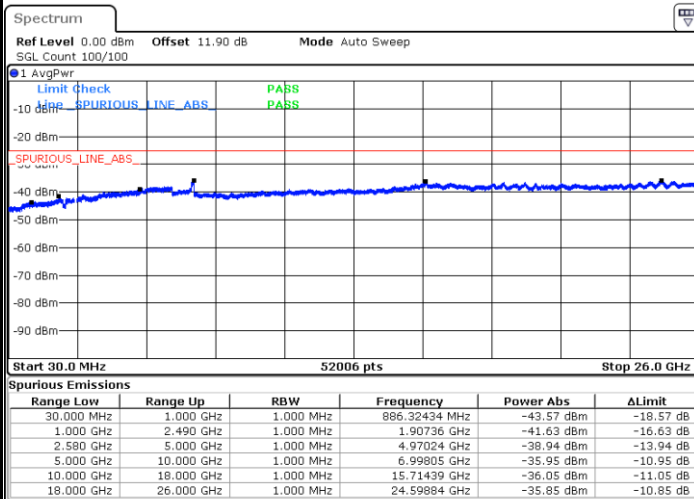
Date: 11.FEB.2020 08:31:23

Lowest Channel / 16QAM



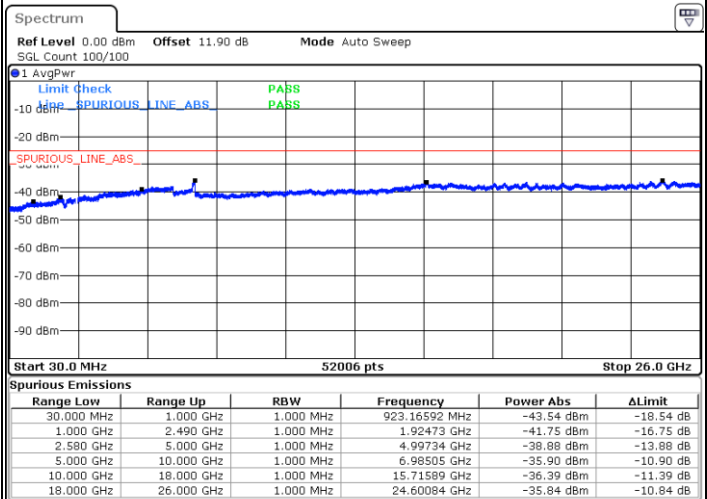
Date: 11.FEB.2020 08:32:16

Middle Channel / QPSK



Date: 11.FEB.2020 08:34:01

Middle Channel / 16QAM

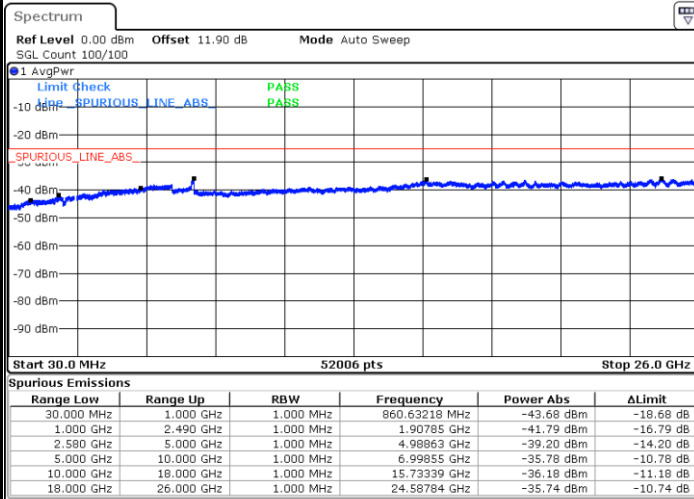


Date: 11.FEB.2020 08:34:53



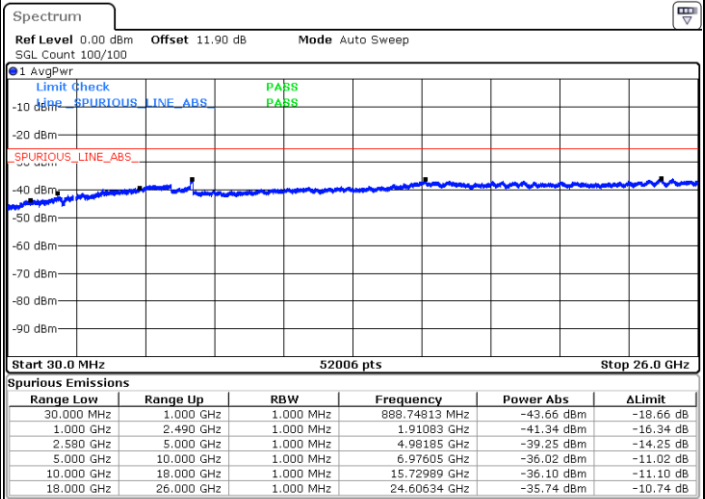
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 11.FEB.2020 08:41:26

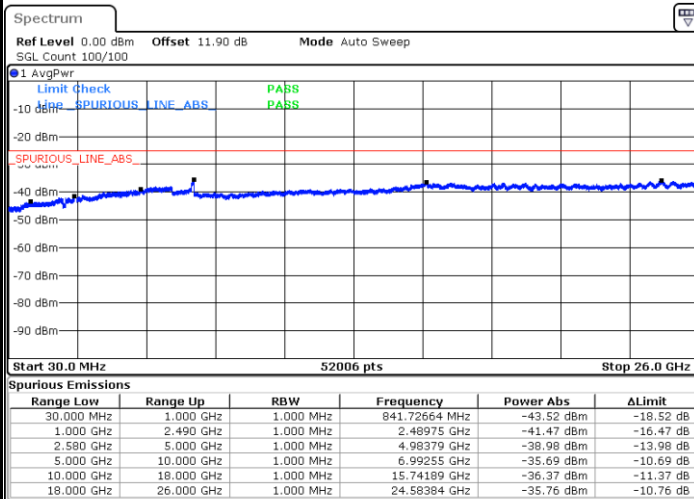
Highest Channel / 16QAM



Date: 11.FEB.2020 08:42:18

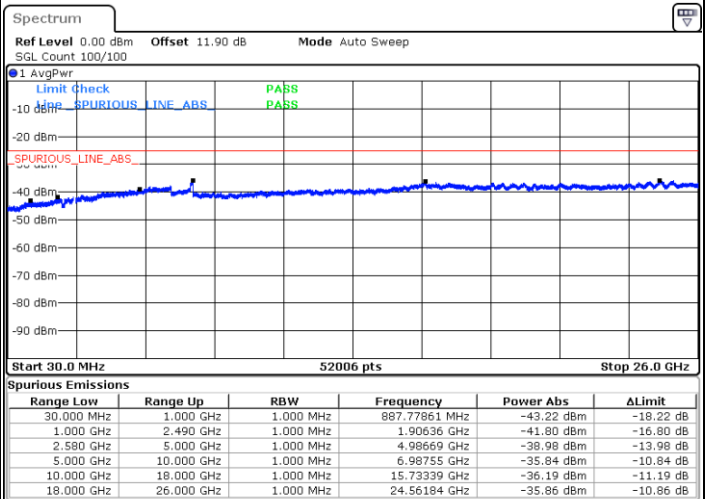
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 11.FEB.2020 19:09:32

Lowest Channel / 16QAM

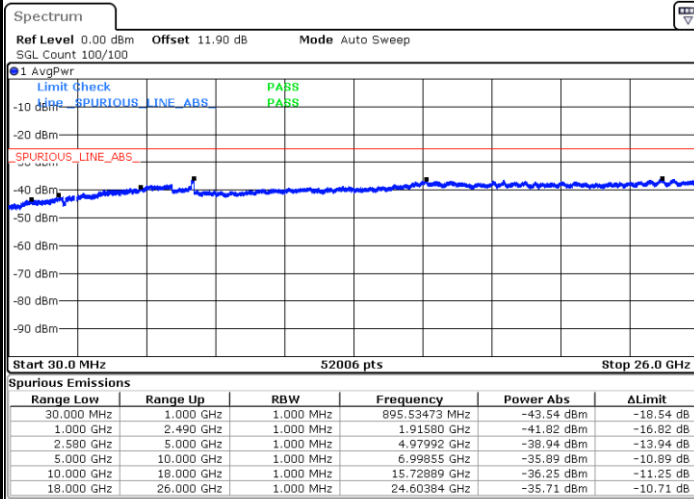


Date: 11.FEB.2020 19:10:25



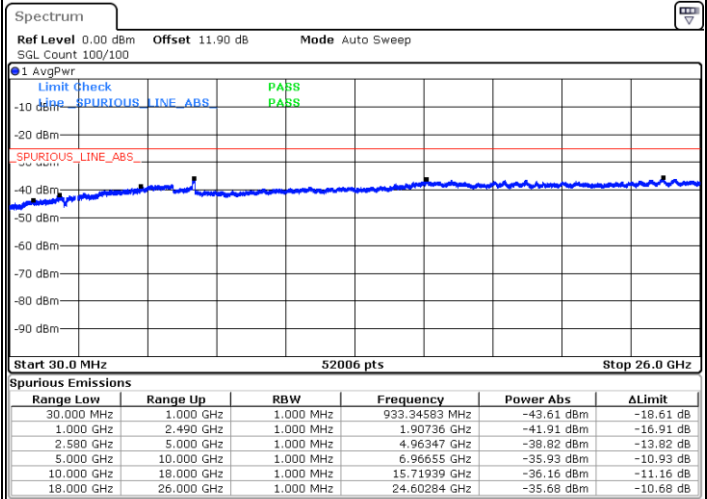
LTE Band 7 / 20MHz

Middle Channel / QPSK



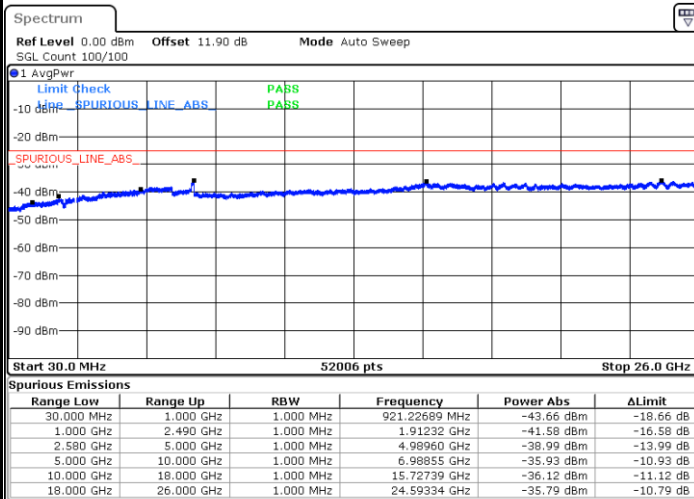
Date: 11.FEB.2020 19:12:12

Middle Channel / 16QAM



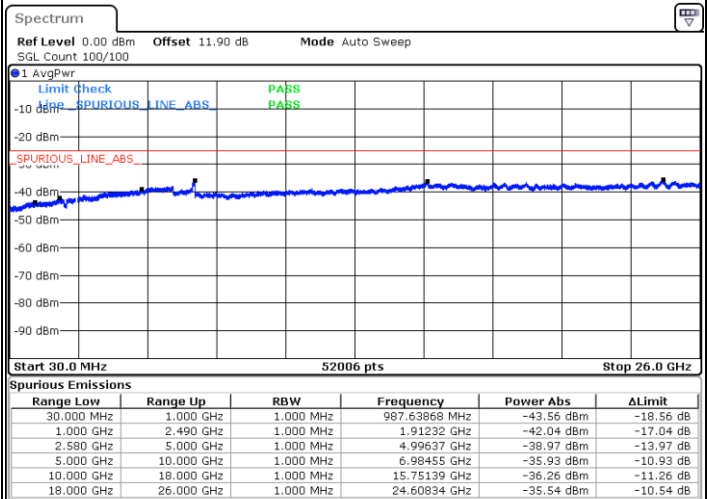
Date: 11.FEB.2020 19:13:04

Highest Channel / QPSK



Date: 11.FEB.2020 19:19:41

Highest Channel / 16QAM

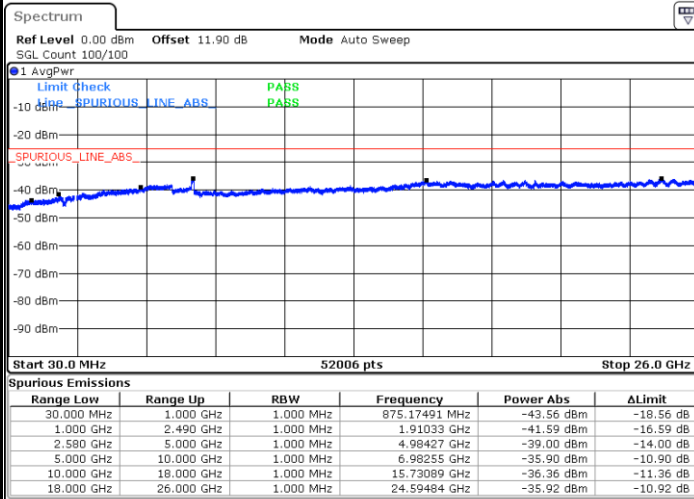


Date: 11.FEB.2020 19:20:34



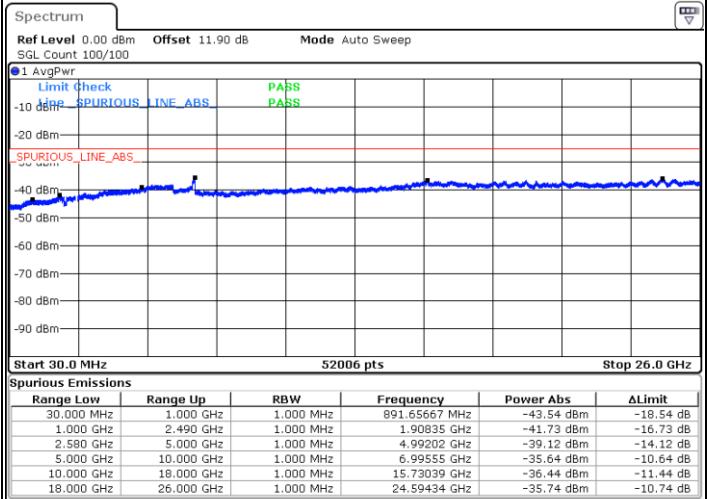
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



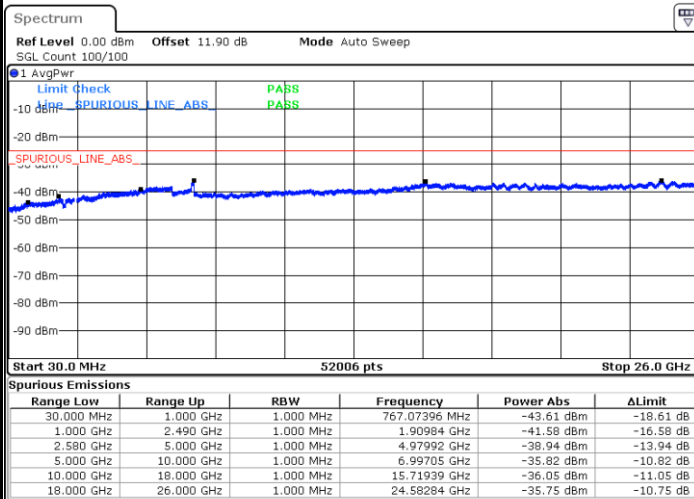
Date: 11.FEB.2020 07:53:37

Middle Channel / 64QAM



Date: 11.FEB.2020 07:54:55

Highest Channel / 64QAM

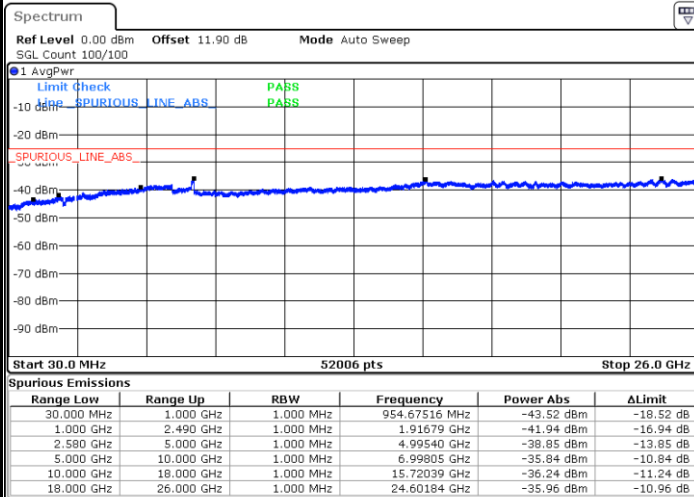


Date: 11.FEB.2020 07:58:37



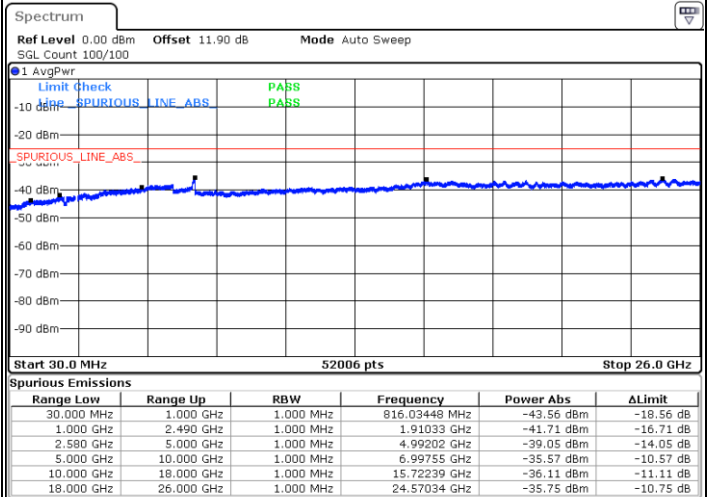
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



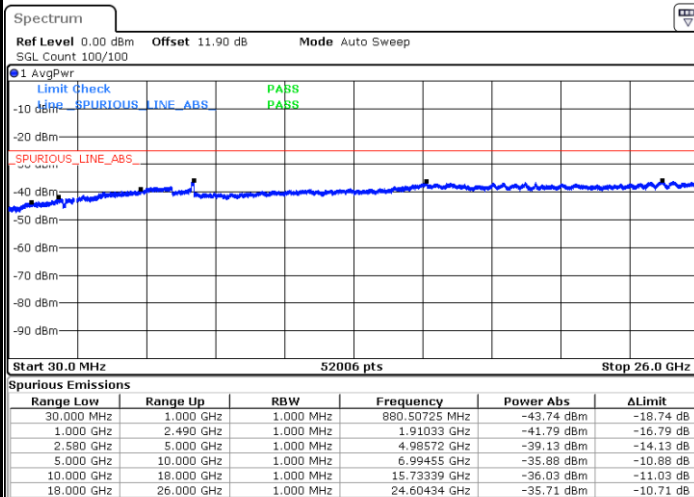
Date: 11.FEB.2020 08:19:48

Middle Channel / 64QAM



Date: 11.FEB.2020 08:21:06

Highest Channel / 64QAM

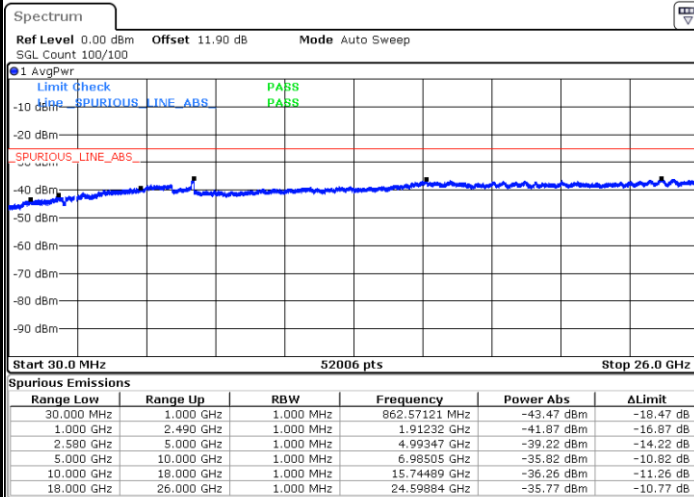


Date: 11.FEB.2020 08:24:48



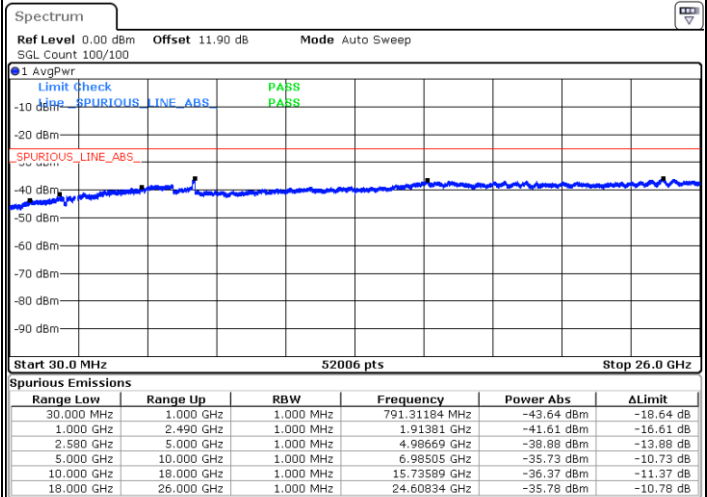
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



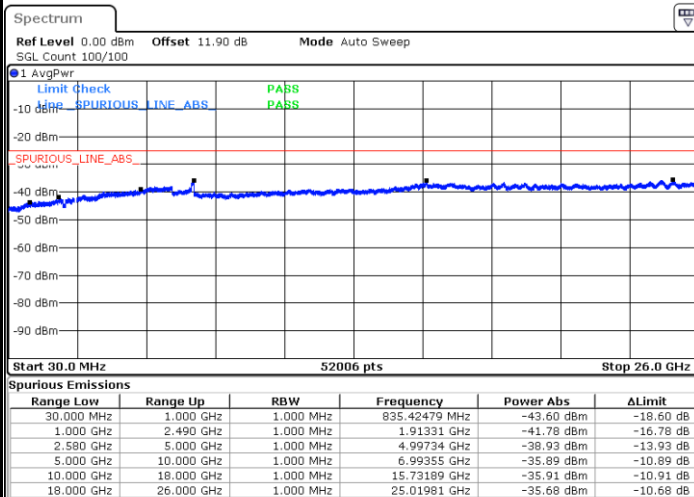
Date: 11.FEB.2020 08:46:02

Middle Channel / 64QAM



Date: 11.FEB.2020 08:47:20

Highest Channel / 64QAM

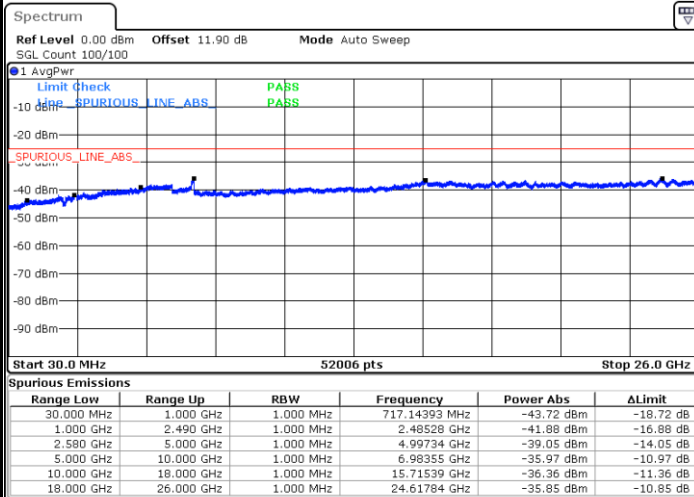


Date: 11.FEB.2020 08:51:02



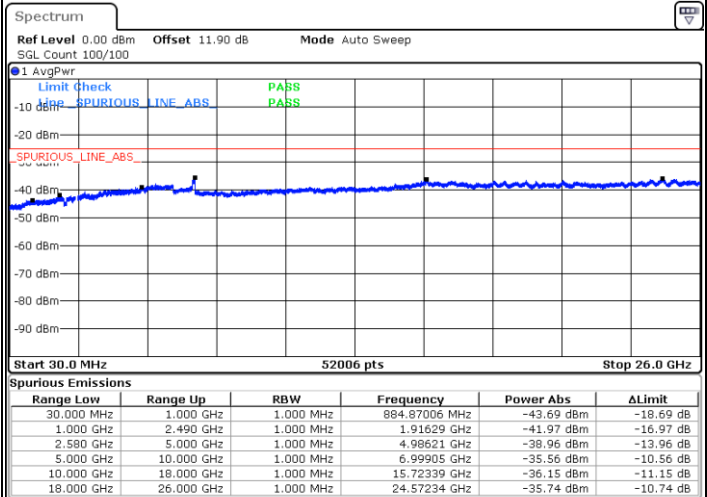
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



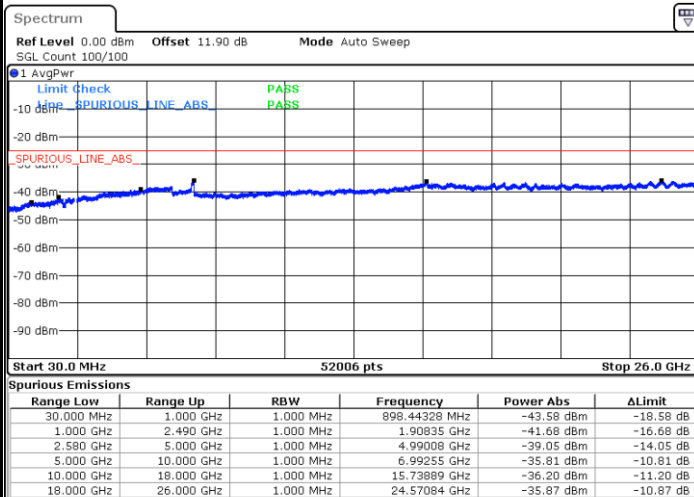
Date: 11.FEB.2020 19:24:20

Middle Channel / 64QAM



Date: 11.FEB.2020 19:25:39

Highest Channel / 64QAM



Date: 11.FEB.2020 19:29:24

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	0.0073	PASS
40	Normal Voltage	0.0081	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0092	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0089	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7CA

26dB Bandwidth

Mode	LTE Band 7CA : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.85	25.18	30.63	34.83
Middle CH	29.85	25.28	30.51	34.76
Highest CH	29.85	25.13	30.45	34.62
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.76	39.88	-
Middle CH	29.97	35.04	39.80	-
Highest CH	29.91	34.90	39.88	-

Mode	LTE Band 7CA : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.67	25.33	30.45	34.83
Middle CH	29.85	25.18	30.45	35.04
Highest CH	29.73	25.38	30.57	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	35.11	39.80	-
Middle CH	30.15	34.90	39.80	-
Highest CH	30.15	34.83	39.72	-

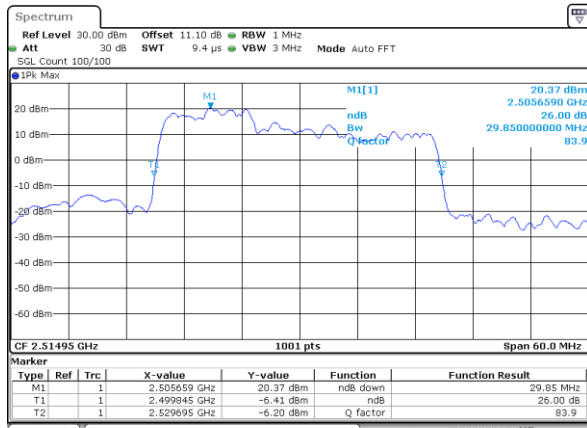
Mode	LTE Band 7CA : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.79	25.23	30.45	34.69
Middle CH	29.79	25.18	30.57	34.69
Highest CH	29.85	25.28	30.39	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.69	39.88	-
Middle CH	30.21	34.90	39.72	-
Highest CH	29.91	34.90	39.72	-



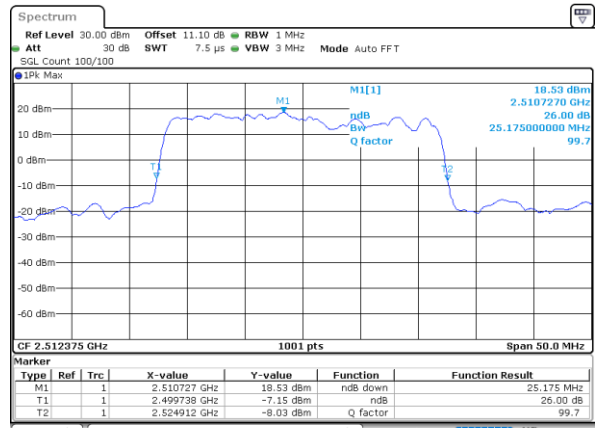
LTE Band 7CA

QPSK

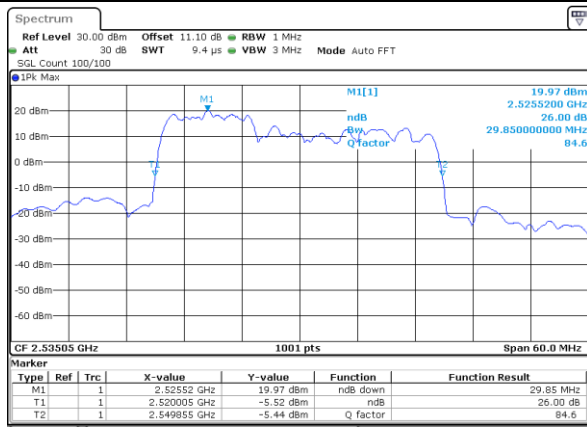
Lowest Channel / 10MHz+20MHz



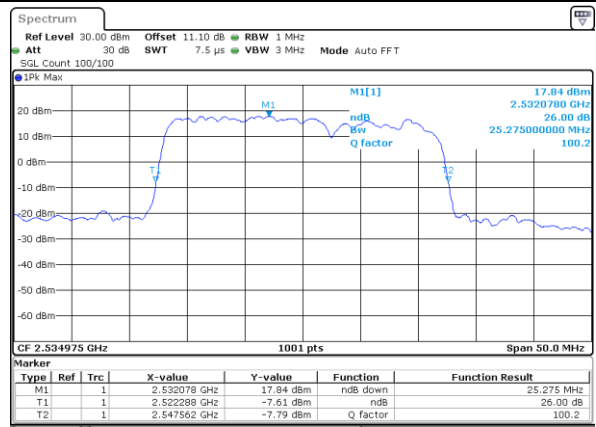
Lowest Channel / 15MHz+10MHz



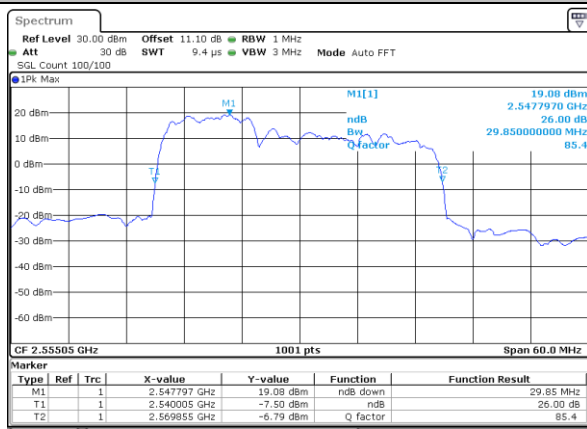
Middle Channel / 10MHz+20MHz



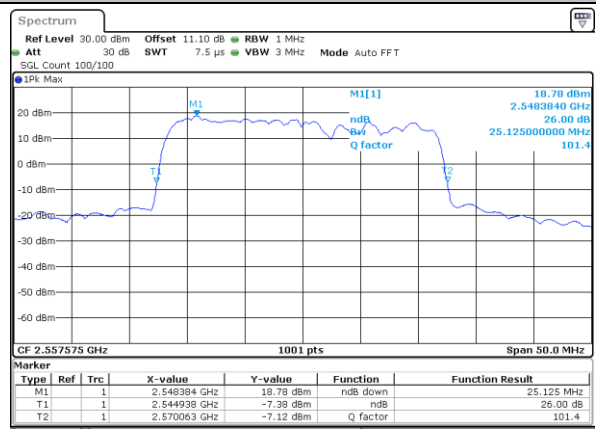
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

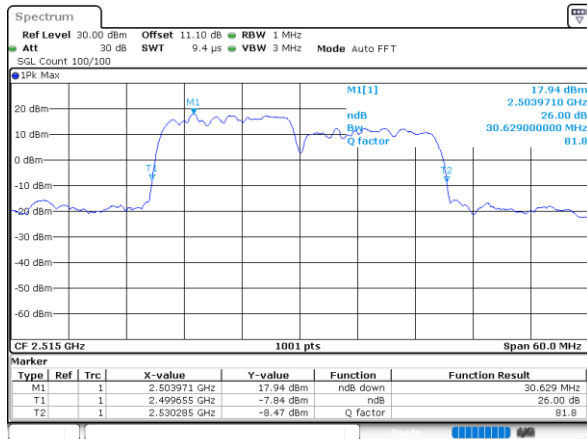




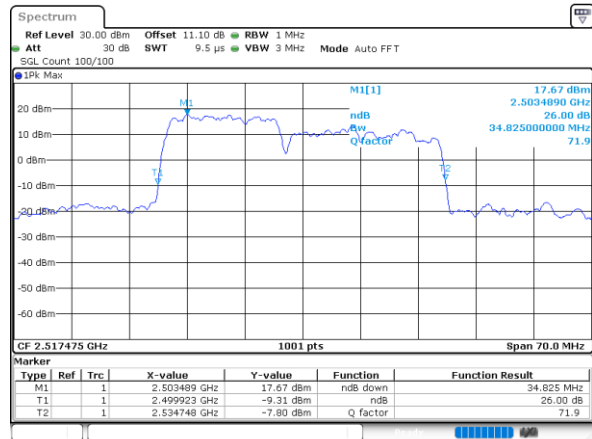
LTE Band 7CA

QPSK

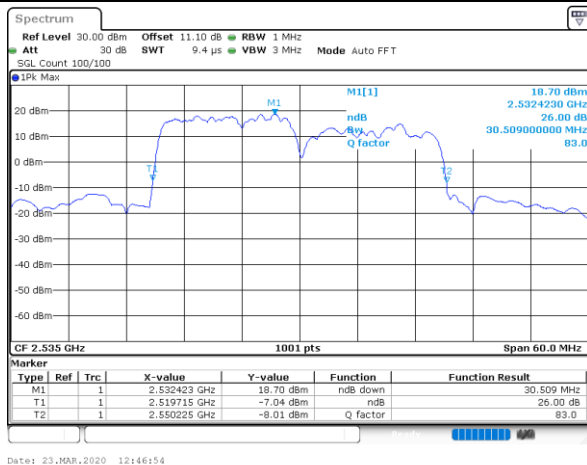
Lowest Channel / 15MHz+15MHz



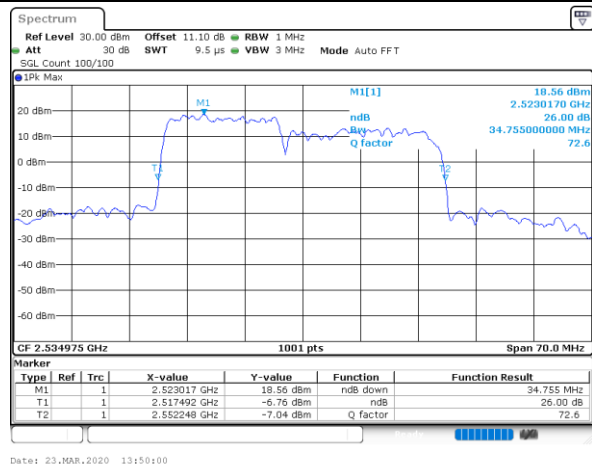
Lowest Channel / 15MHz+20MHz



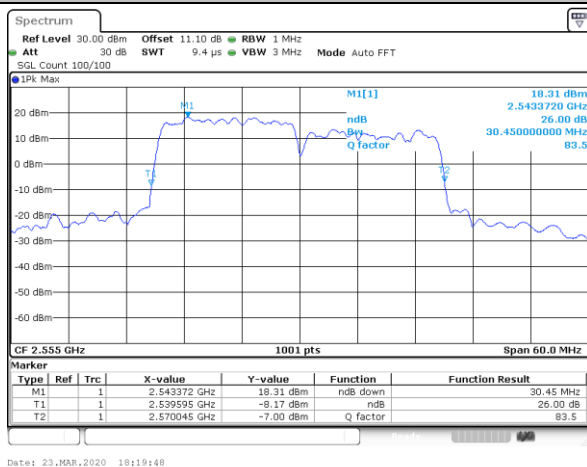
Middle Channel / 15MHz+15MHz



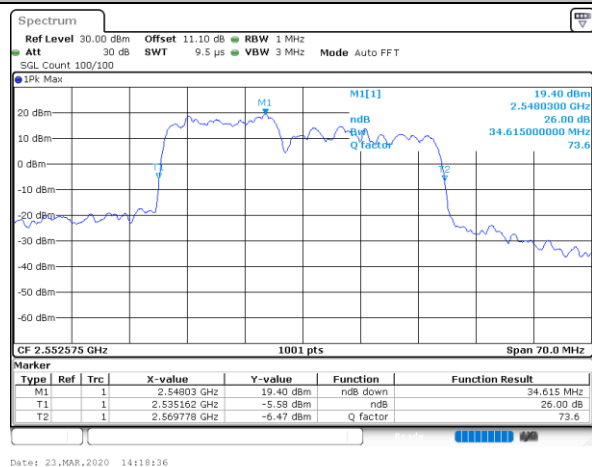
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

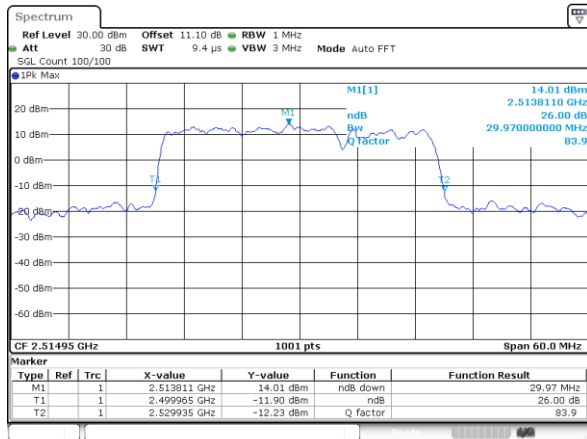




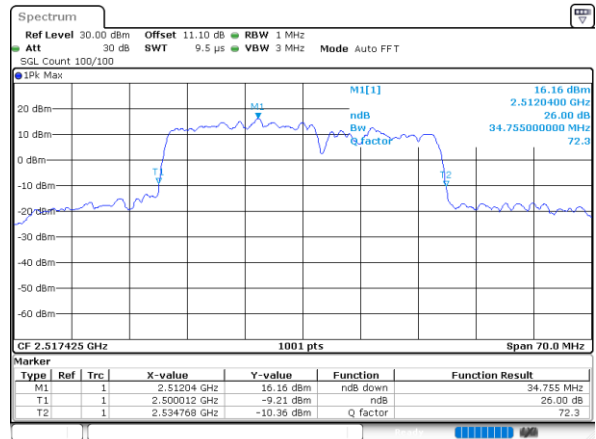
LTE Band 7CA

QPSK

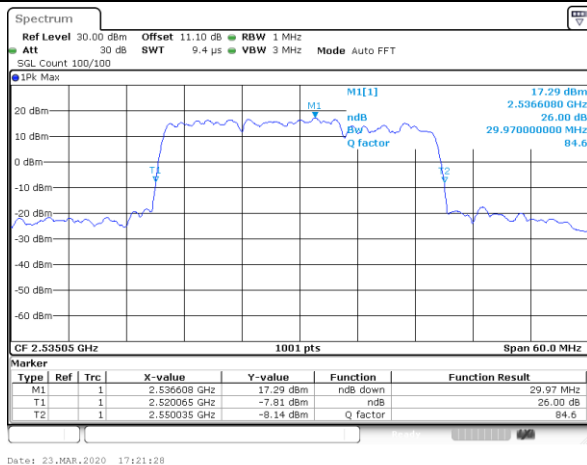
Lowest Channel / 20MHz+10MHz



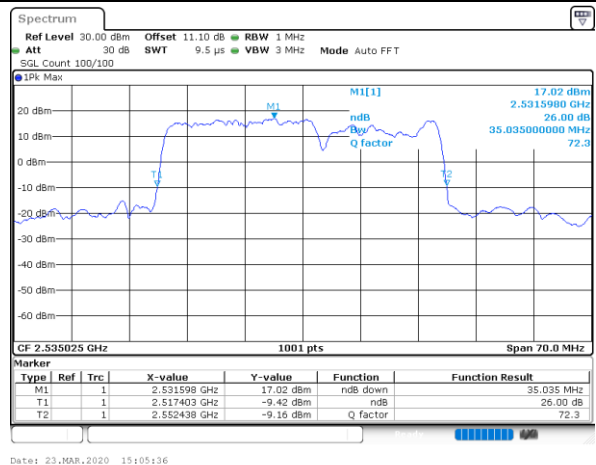
Lowest Channel / 20MHz+15MHz



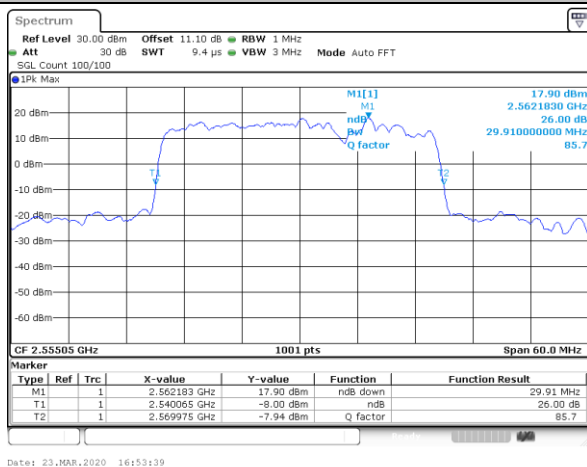
Middle Channel / 20MHz+10MHz



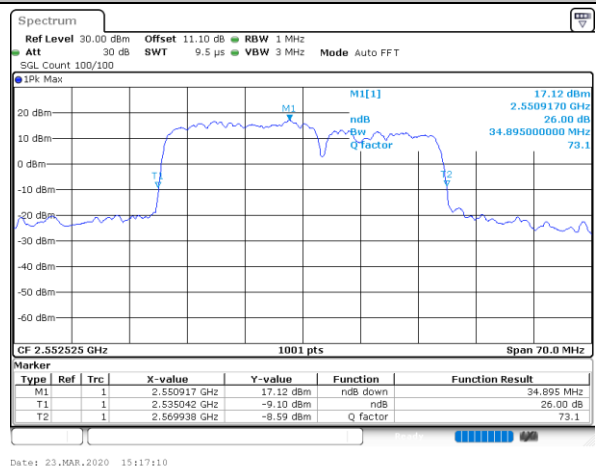
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



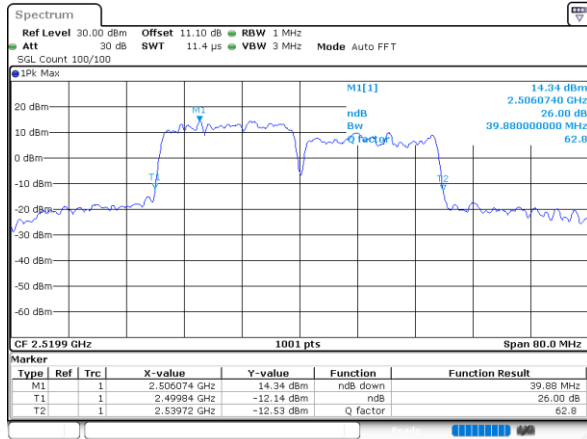


LTE Band 7CA

QPSK

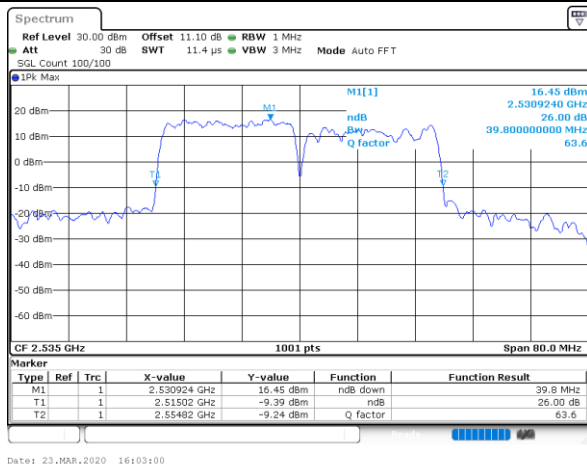
Lowest Channel / 20MHz+20MHz

N/A



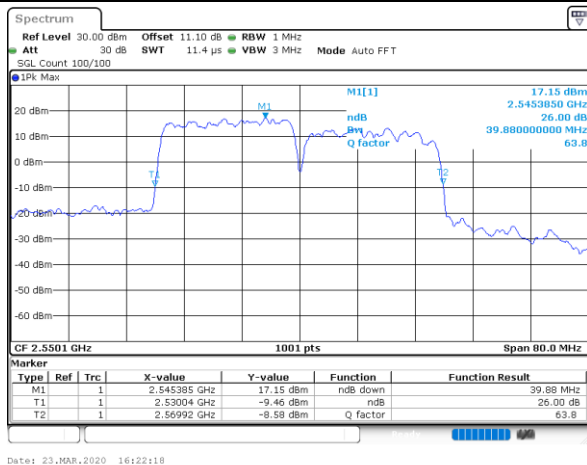
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

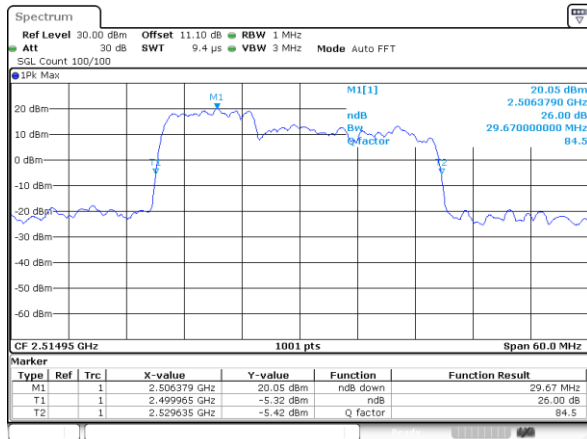




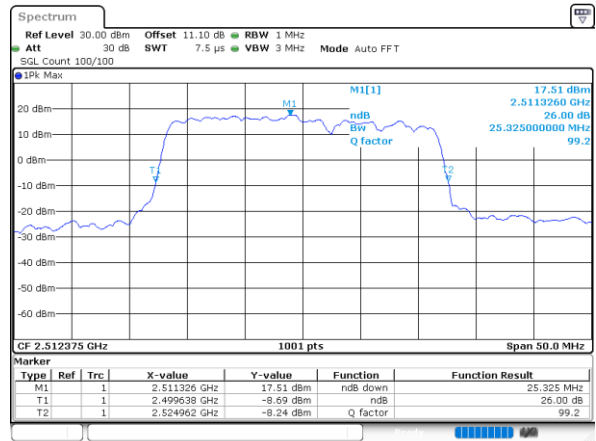
LTE Band 7CA

16QAM

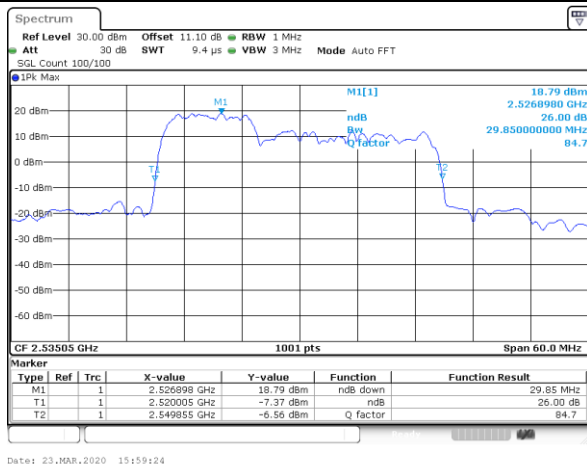
Lowest Channel / 10MHz+20MHz



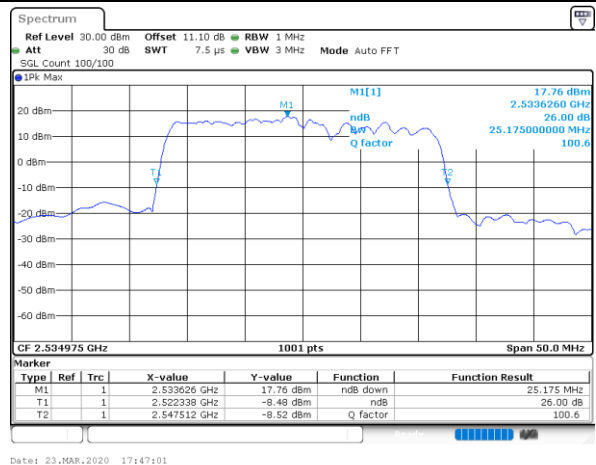
Lowest Channel / 15MHz+10MHz



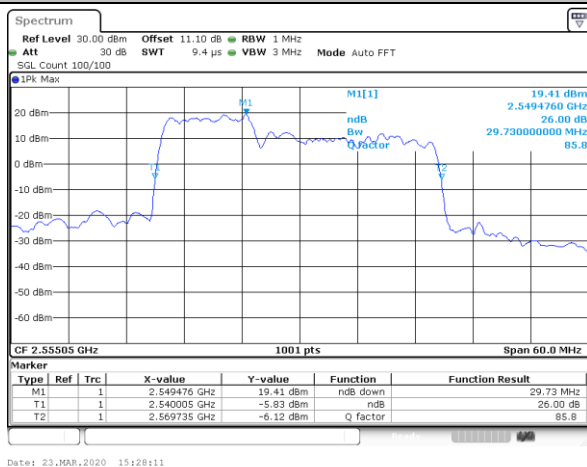
Middle Channel / 10MHz+20MHz



Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

