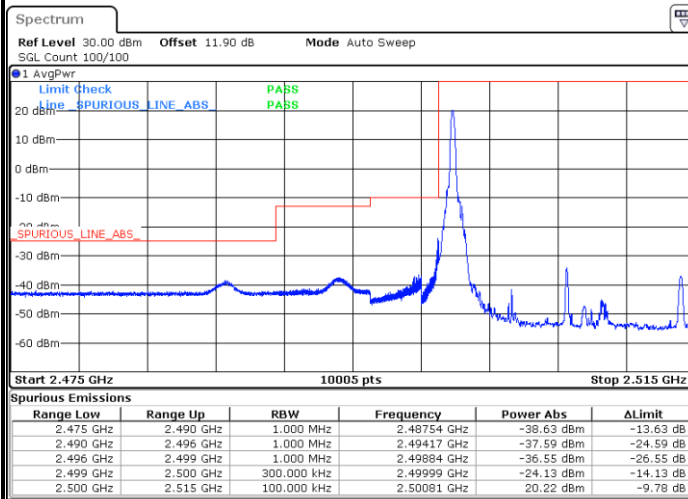


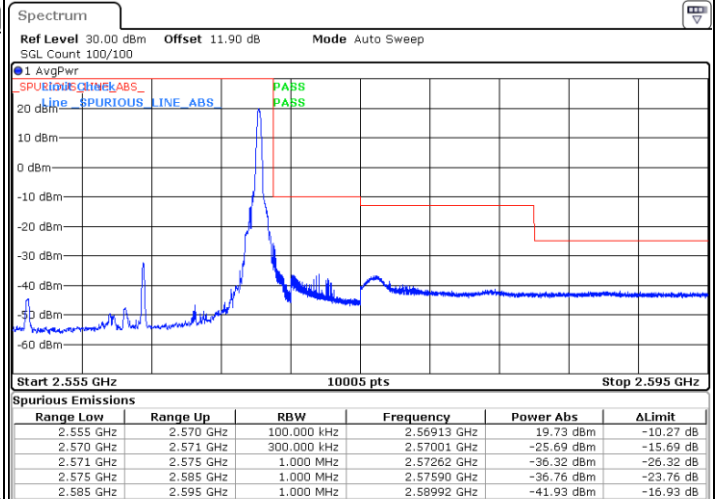


LTE Band 7 / 15MHz / 16QAM

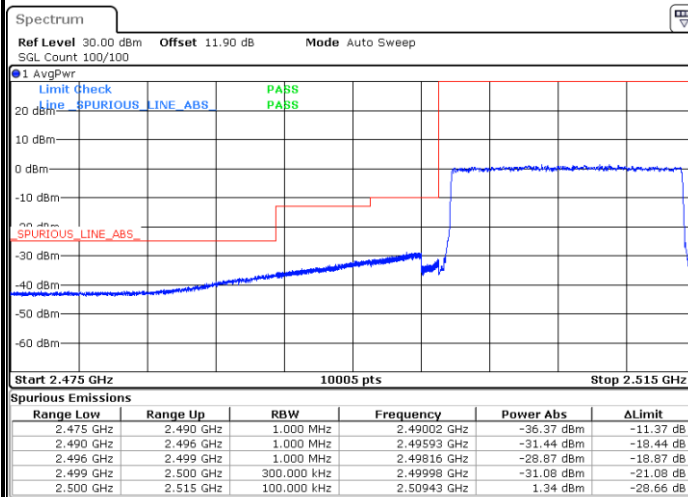
Lowest Band Edge / 1 RB



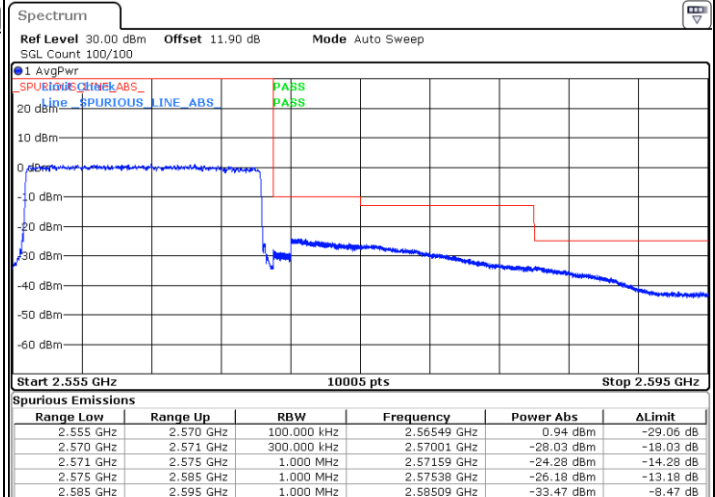
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



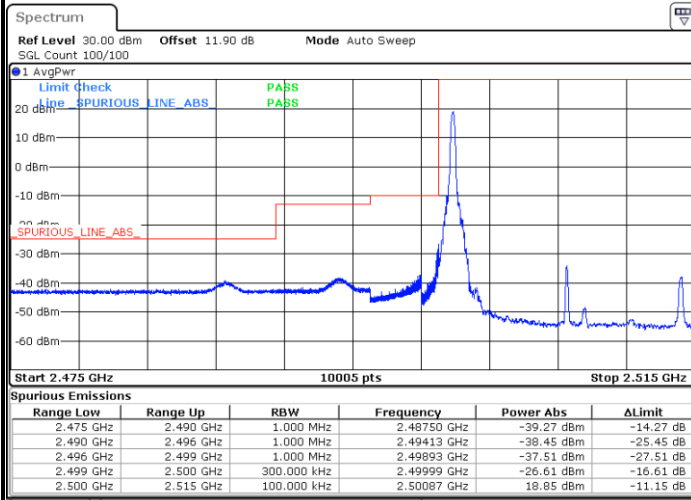
Highest Band Edge / Full RB



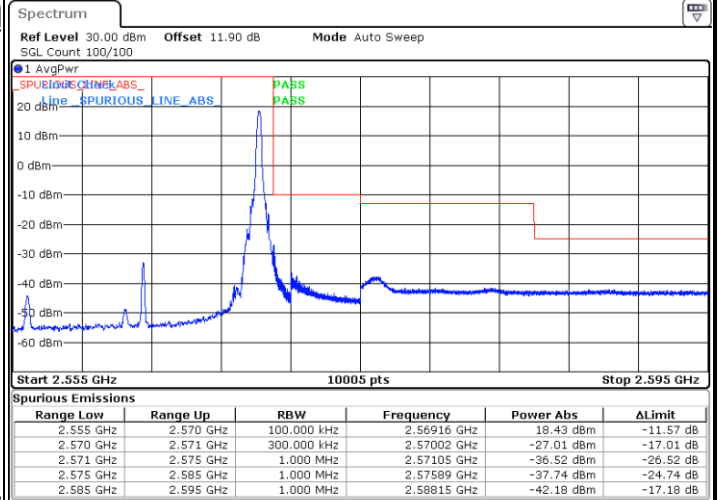


LTE Band 7 / 15MHz / 64QAM

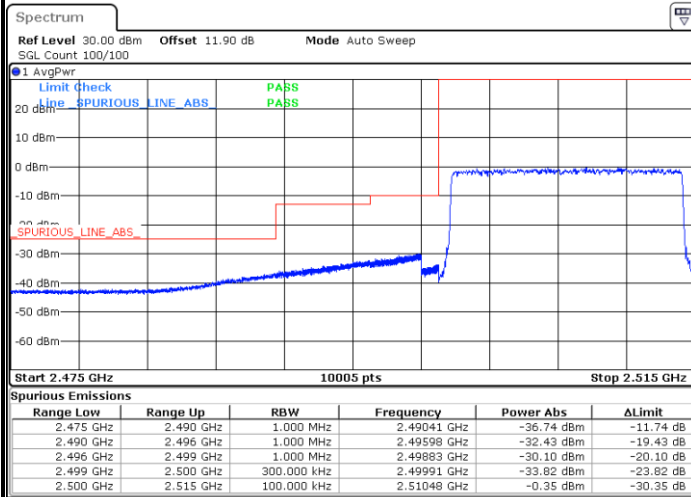
Lowest Band Edge / 1 RB



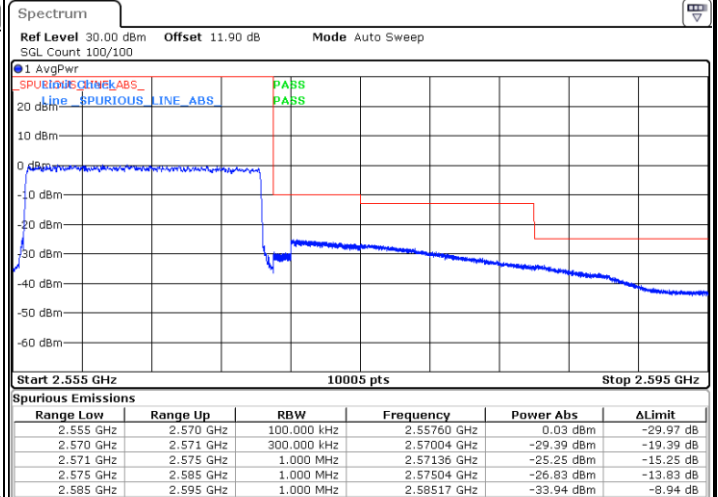
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



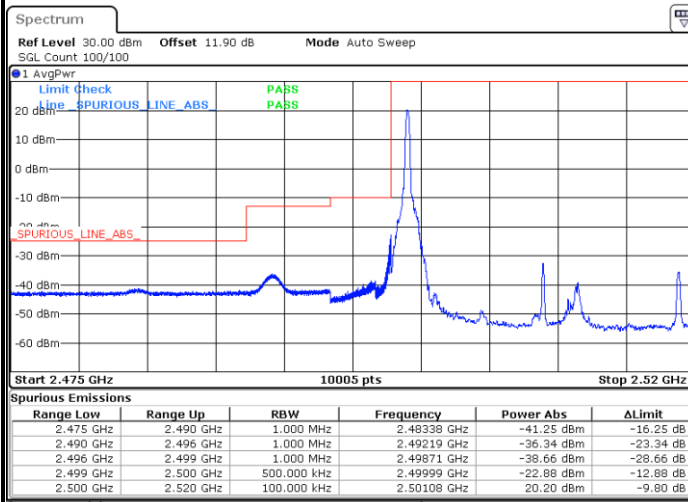
Highest Band Edge / Full RB



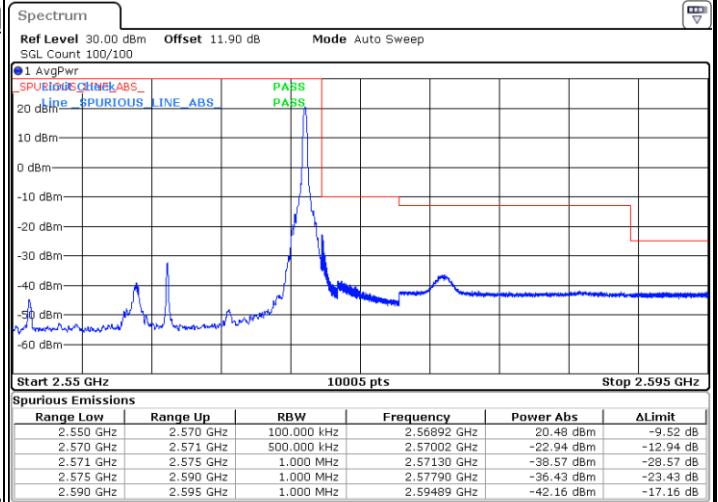


LTE Band 7 / 20MHz / QPSK

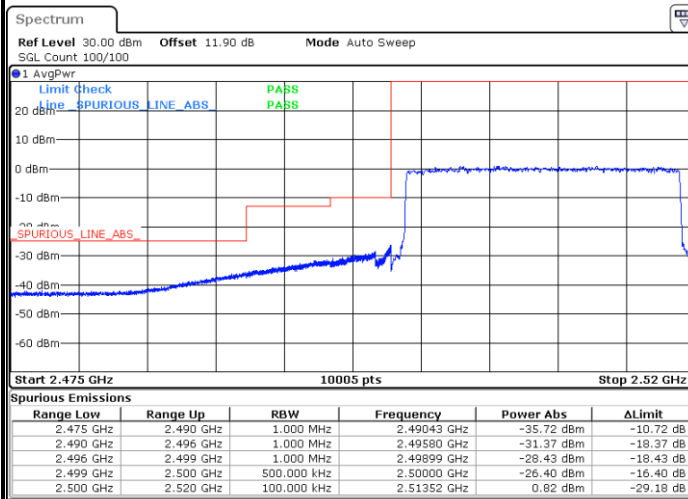
Lowest Band Edge / 1 RB



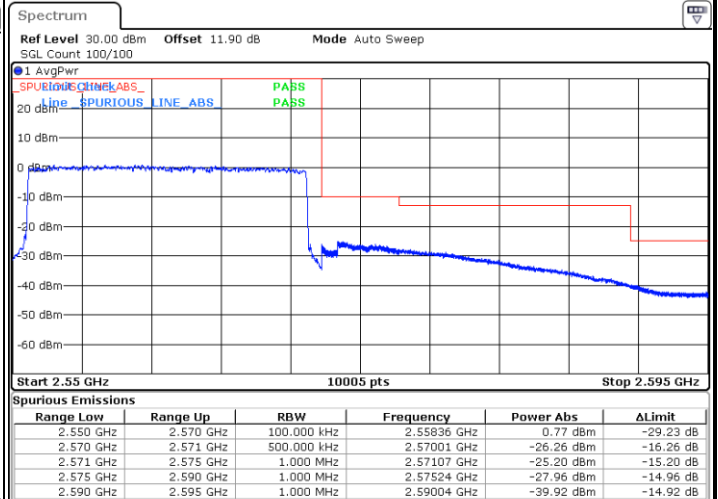
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



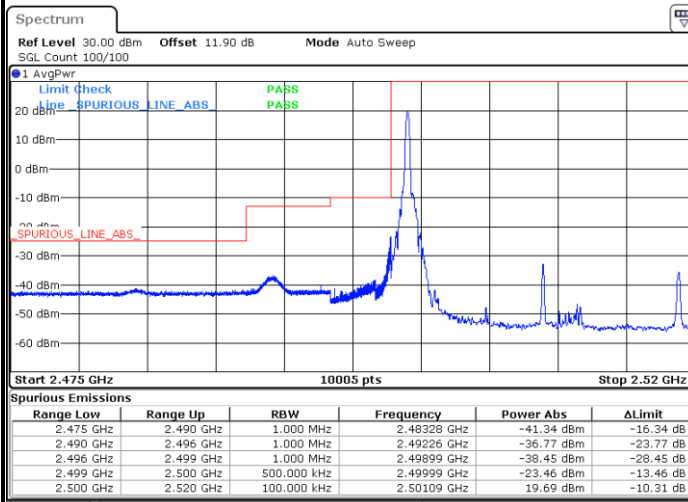
Highest Band Edge / Full RB



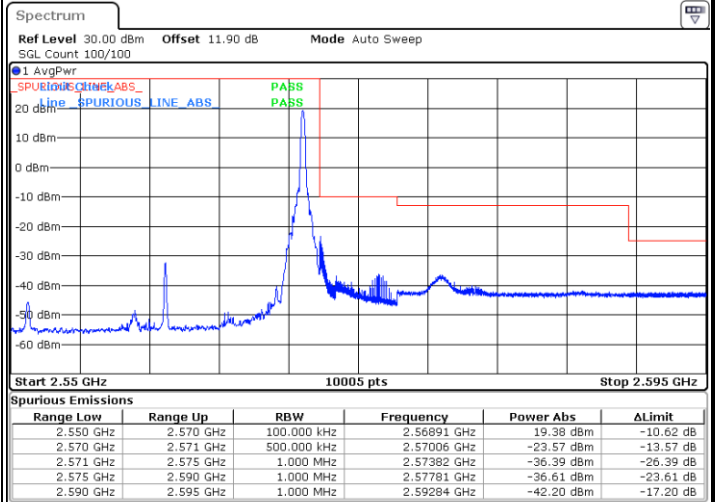


LTE Band 7 / 20MHz / 16QAM

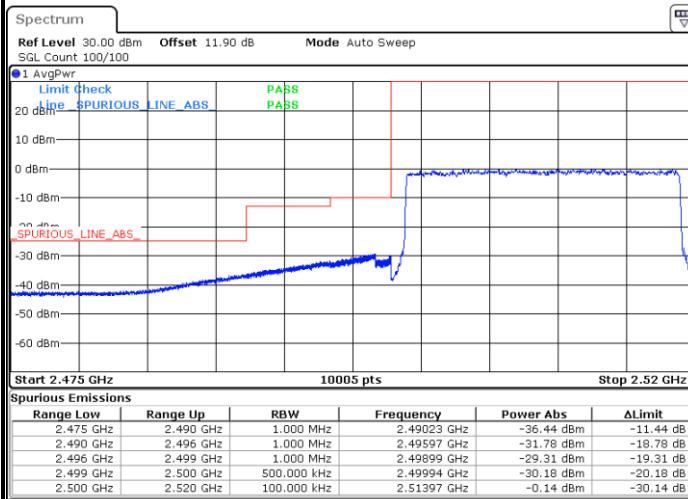
Lowest Band Edge / 1 RB



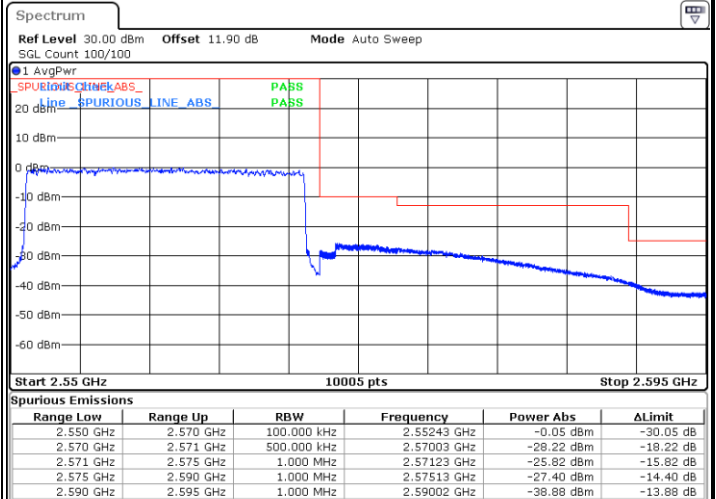
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



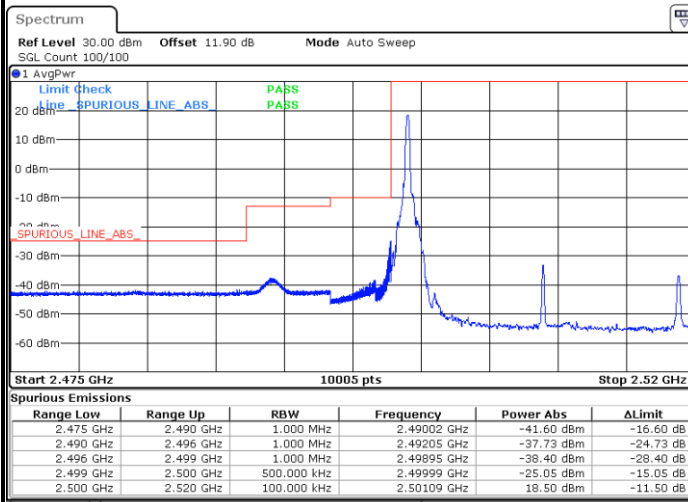
Highest Band Edge / Full RB



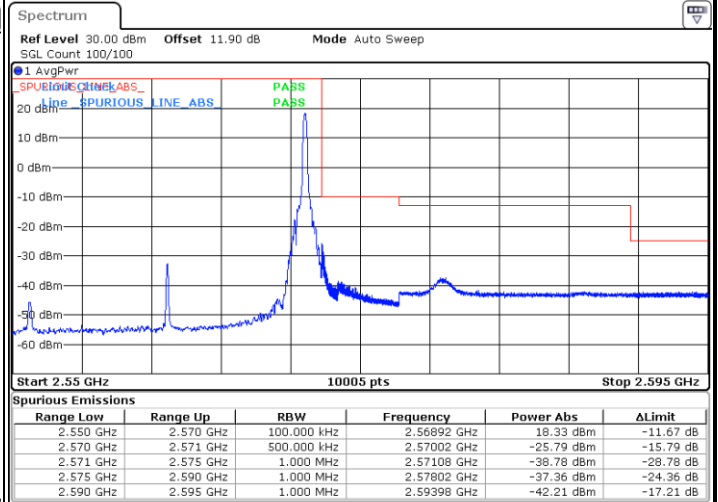


LTE Band 7 / 20MHz / 64QAM

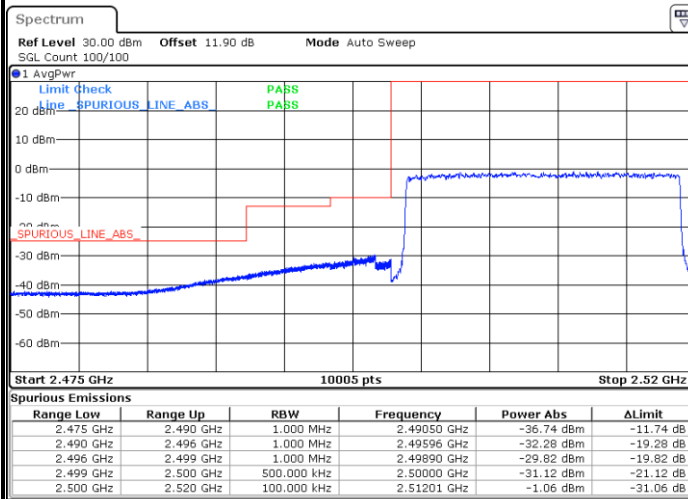
Lowest Band Edge / 1 RB



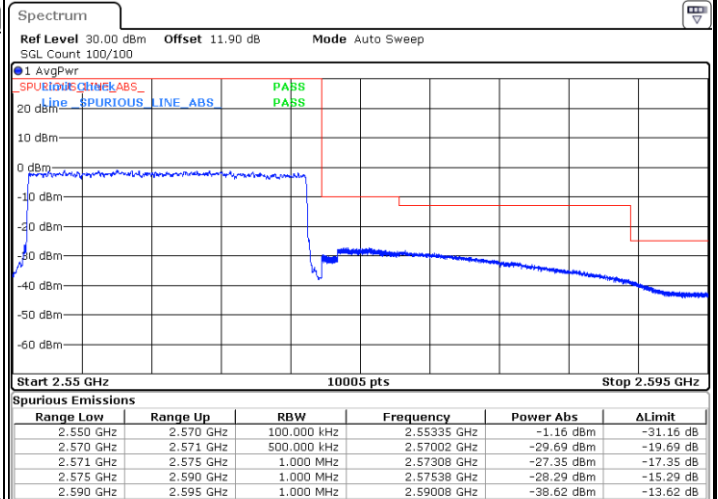
Highest Band Edge / 1 RB

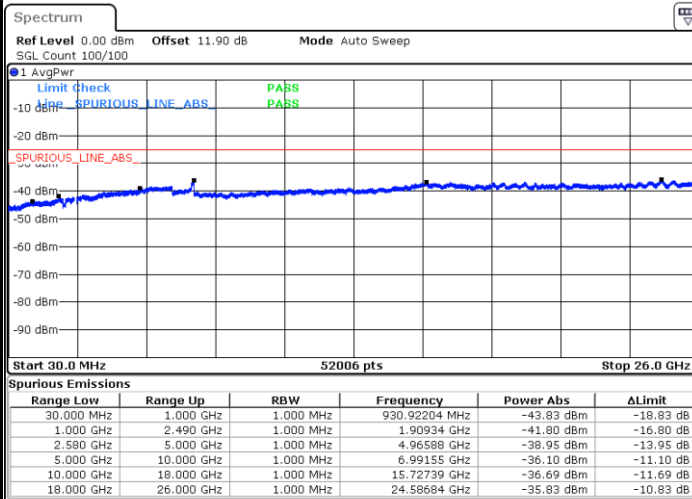
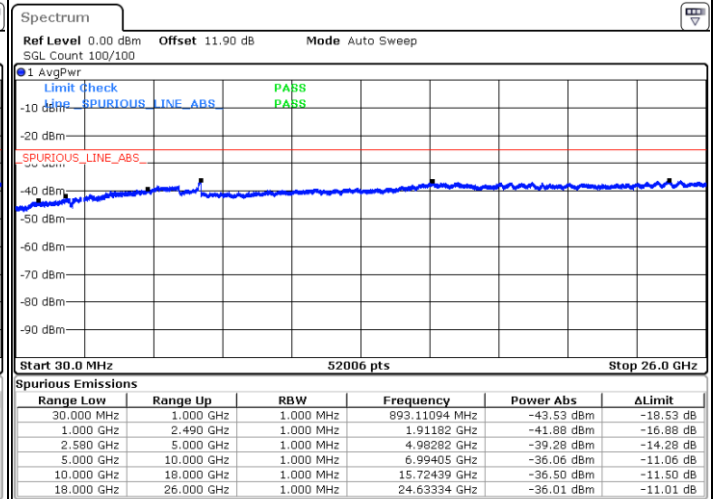
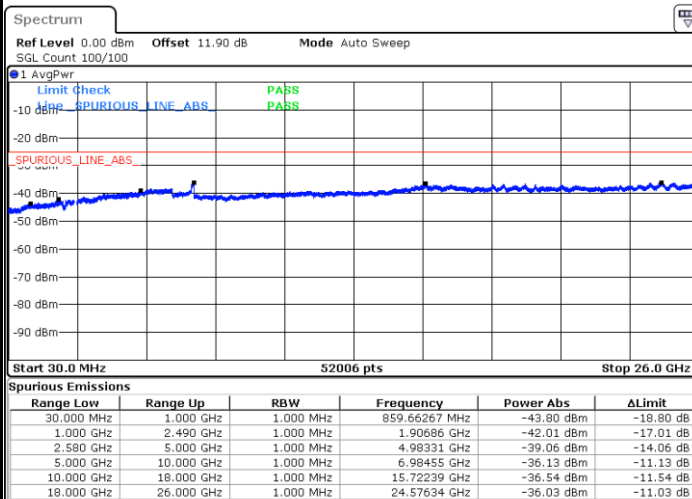
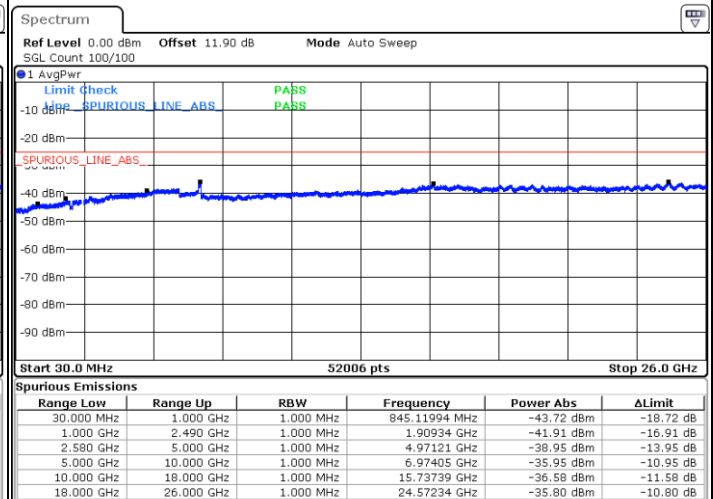


Lowest Band Edge / Full RB



Highest Band Edge / Full RB

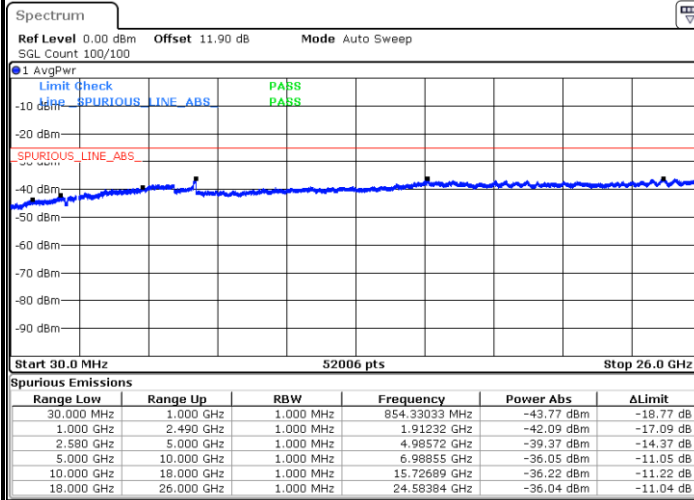


**Conducted Spurious Emission****LTE Band 7 / 5MHz****Lowest Channel / QPSK****Lowest Channel / 16QAM****Middle Channel / QPSK****Middle Channel / 16QAM**



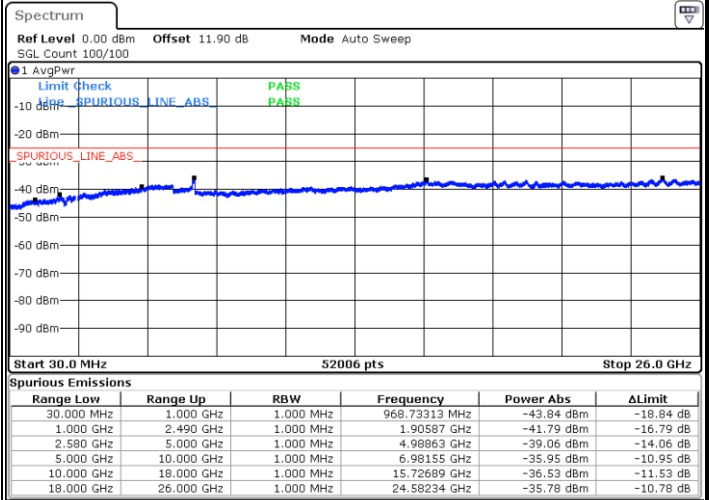
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 24.JAN.2020 06:10:28

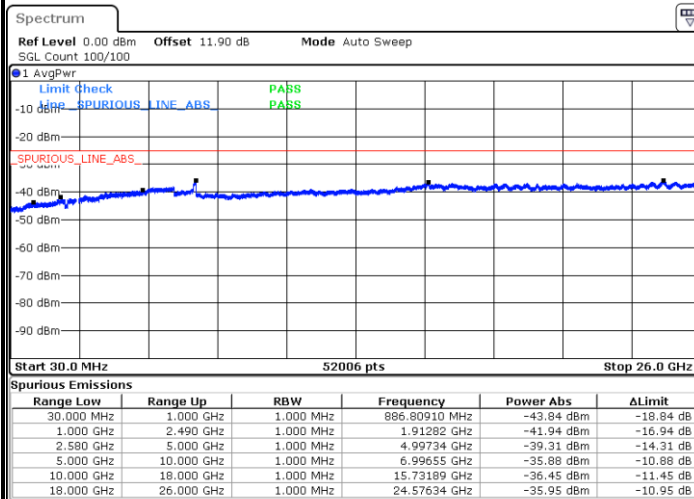
Highest Channel / 16QAM



Date: 24.JAN.2020 06:11:30

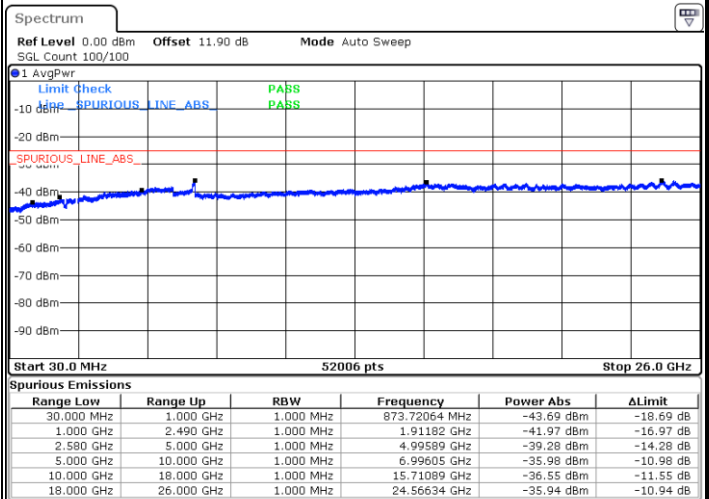
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 24.JAN.2020 06:28:51

Lowest Channel / 16QAM

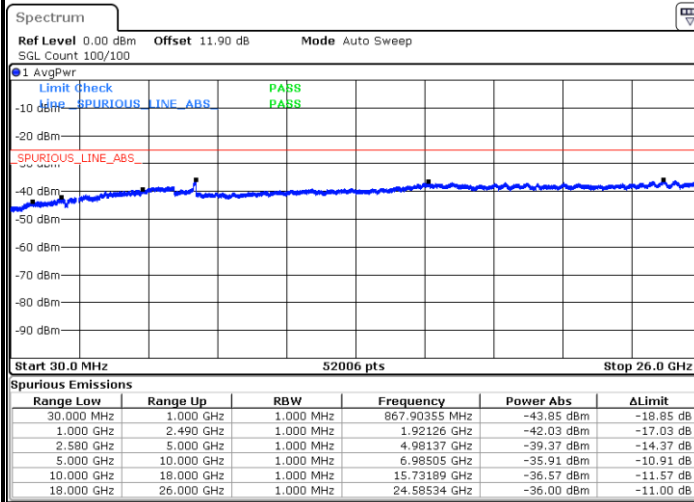


Date: 24.JAN.2020 06:29:54



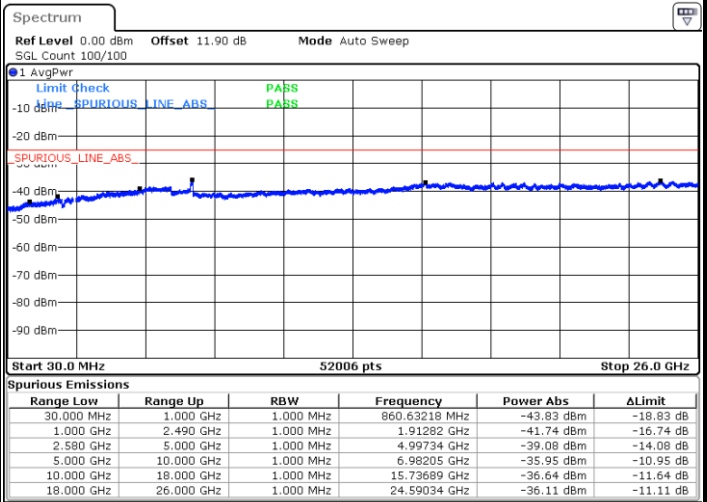
LTE Band 7 / 10MHz

Middle Channel / QPSK



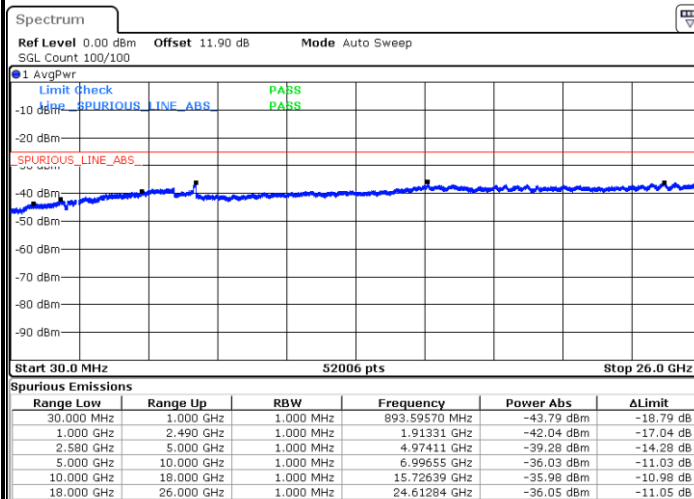
Date: 24.JAN.2020 06:31:49

Middle Channel / 16QAM



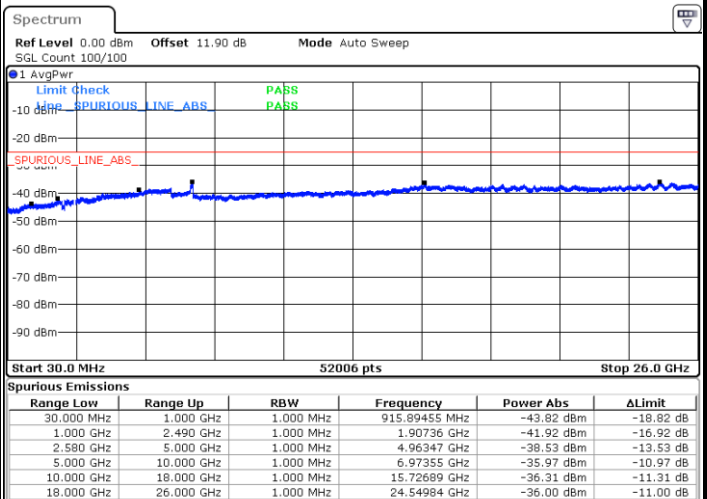
Date: 24.JAN.2020 06:32:51

Highest Channel / QPSK



Date: 24.JAN.2020 06:40:15

Highest Channel / 16QAM

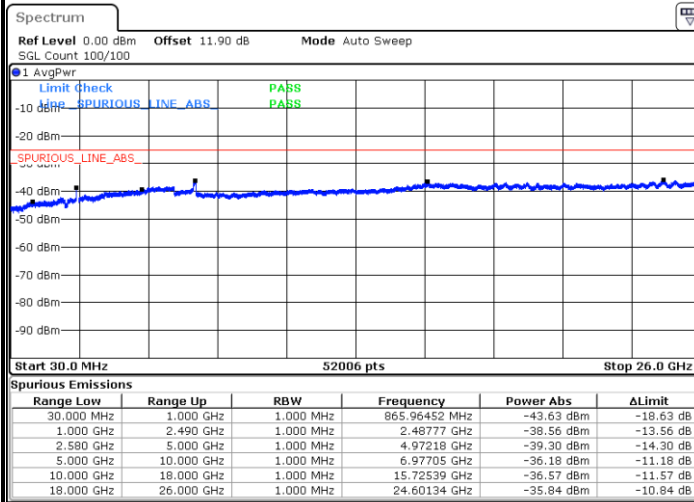


Date: 24.JAN.2020 06:41:17



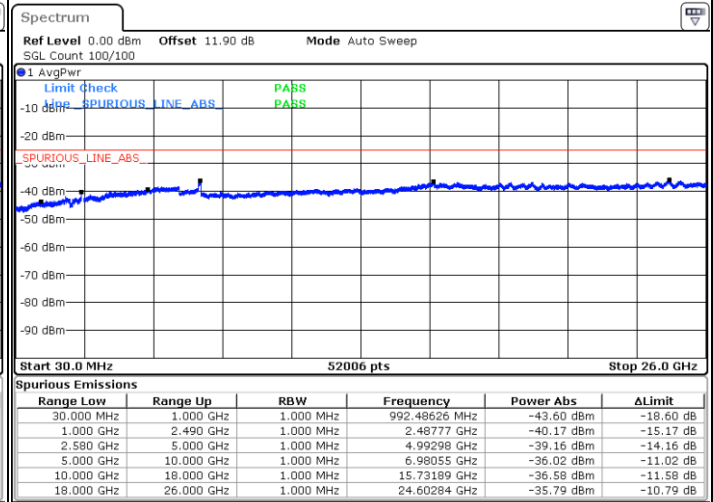
LTE Band 7 / 15MHz

Lowest Channel / QPSK



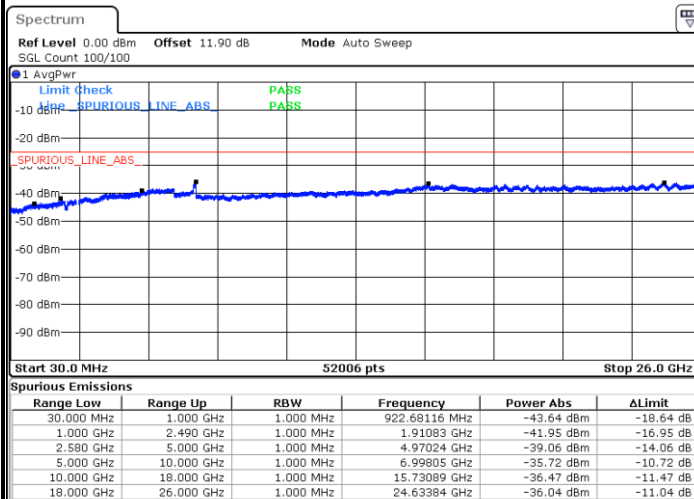
Date: 24.JAN.2020 07:03:59

Lowest Channel / 16QAM



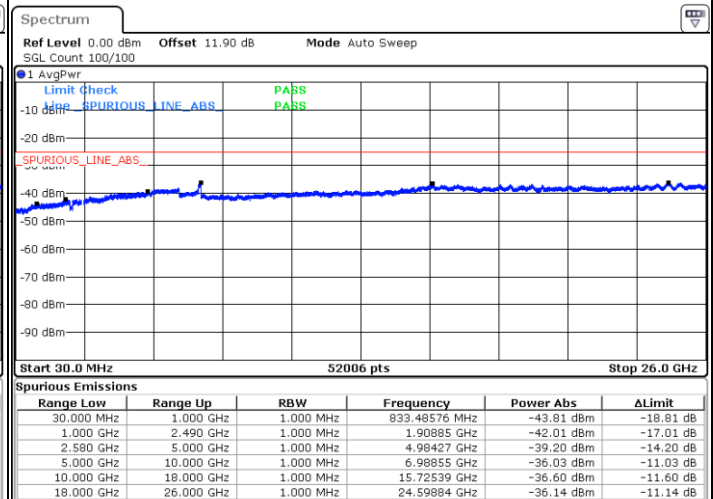
Date: 24.JAN.2020 07:05:01

Middle Channel / QPSK



Date: 24.JAN.2020 07:06:56

Middle Channel / 16QAM

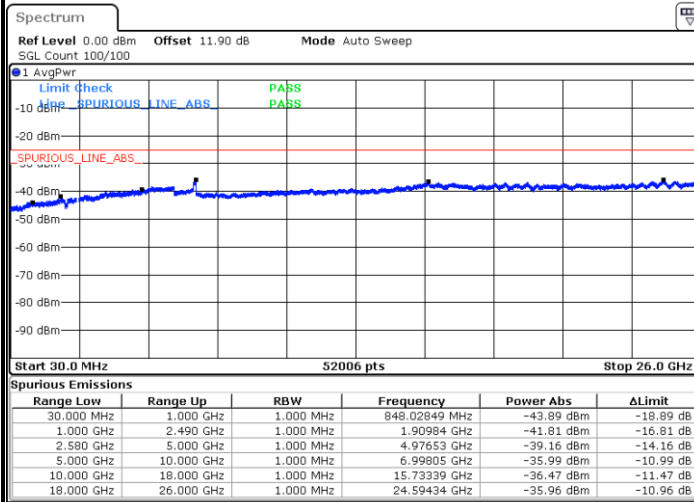


Date: 24.JAN.2020 07:07:58



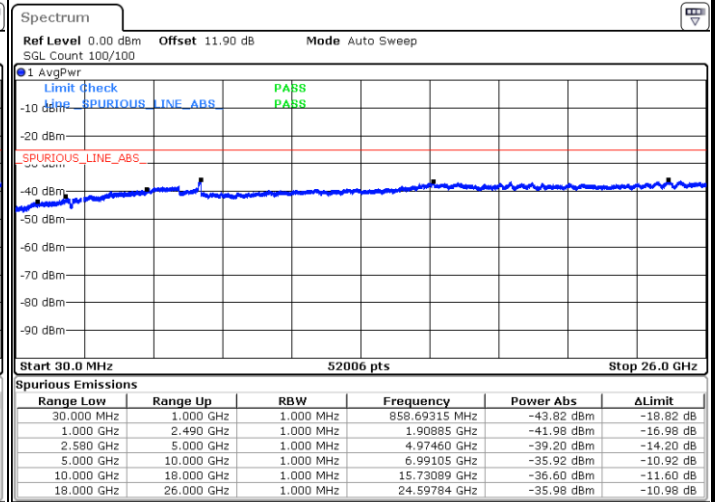
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 24.JAN.2020 07:15:22

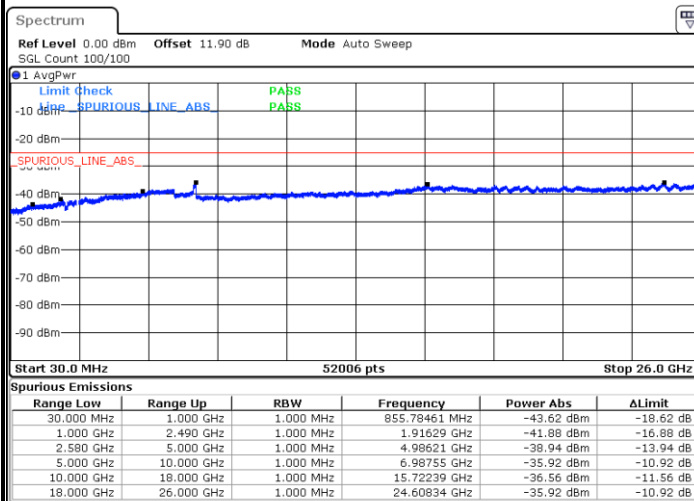
Highest Channel / 16QAM



Date: 24.JAN.2020 07:16:24

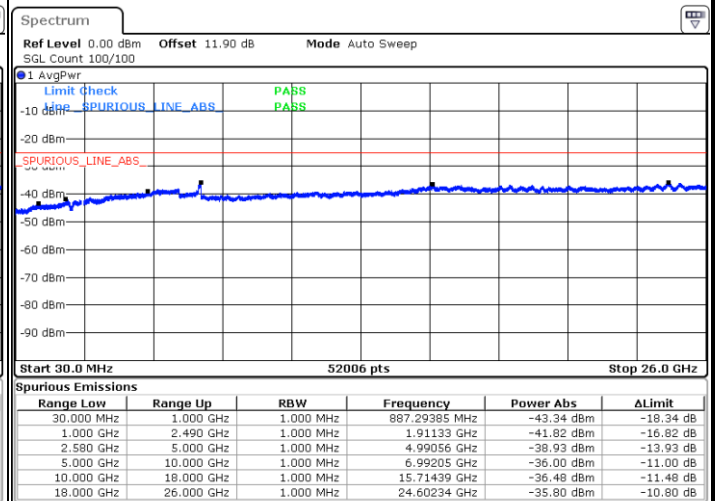
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 24.JAN.2020 07:33:49

Lowest Channel / 16QAM

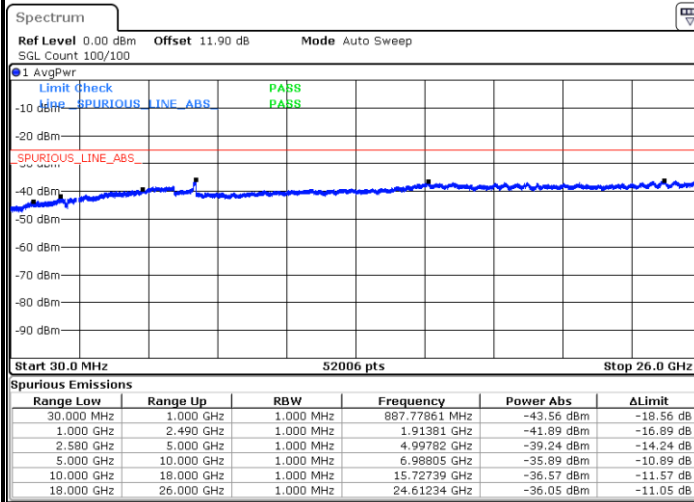


Date: 24.JAN.2020 07:34:51



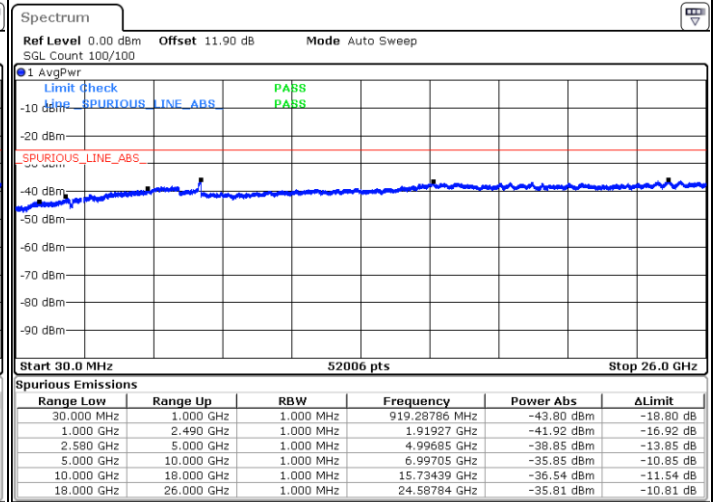
LTE Band 7 / 20MHz

Middle Channel / QPSK



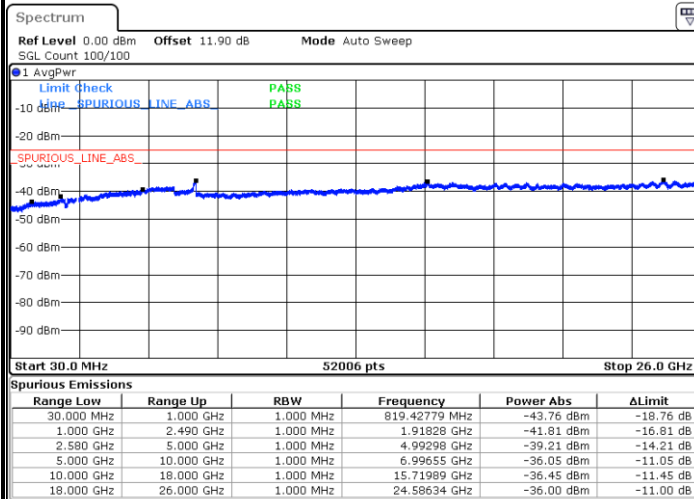
Date: 24.JAN.2020 07:36:47

Middle Channel / 16QAM



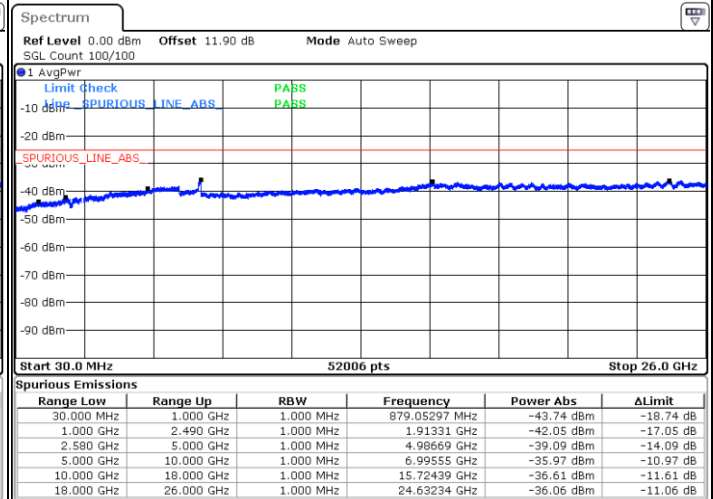
Date: 24.JAN.2020 07:37:48

Highest Channel / QPSK



Date: 24.JAN.2020 08:06:56

Highest Channel / 16QAM



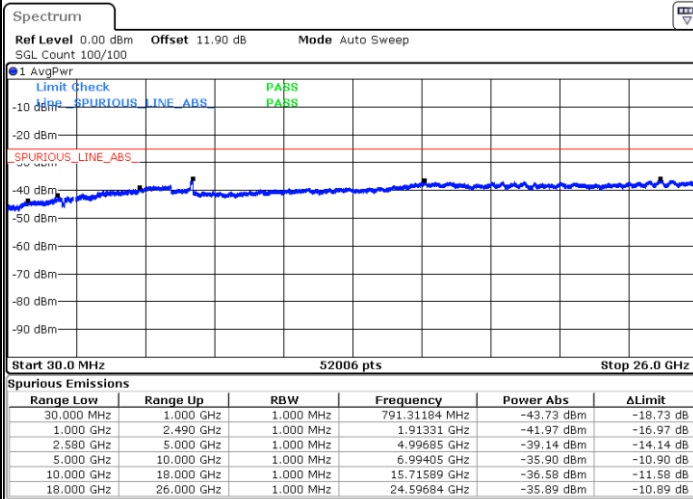
Date: 24.JAN.2020 08:07:59



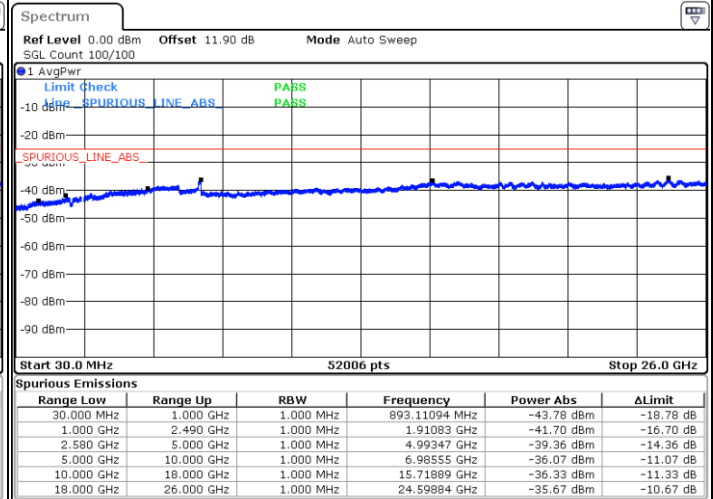
LTE Band 7 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

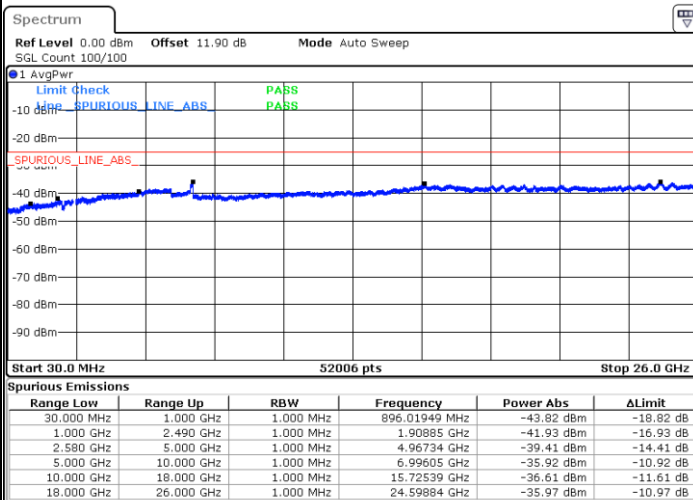


Date: 24.JAN.2020 06:15:44



Date: 24.JAN.2020 06:17:14

Highest Channel / 64QAM

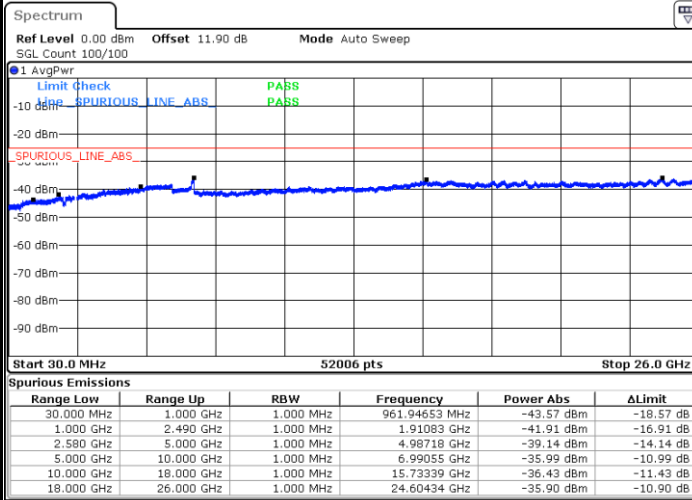


Date: 24.JAN.2020 06:21:27



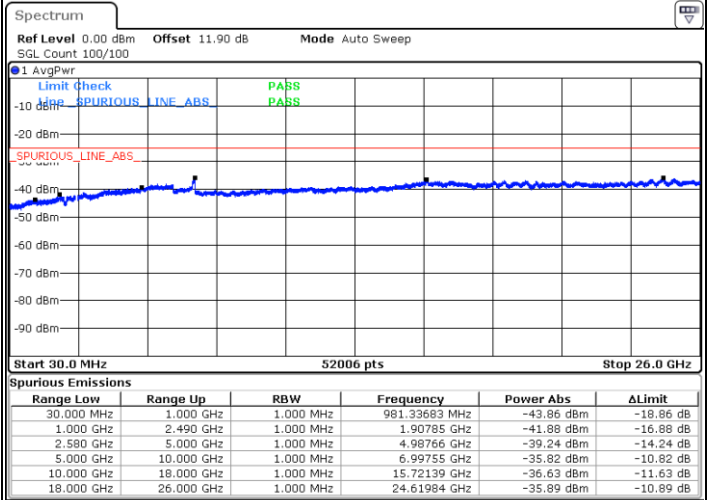
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



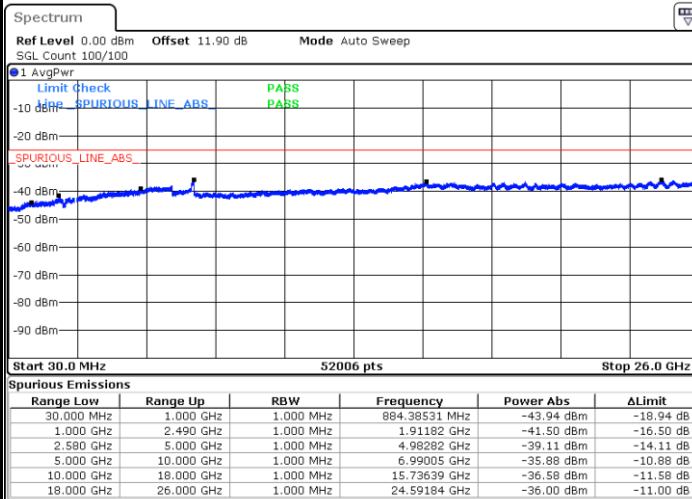
Date: 24.JAN.2020 06:45:31

Middle Channel / 64QAM



Date: 24.JAN.2020 06:46:59

Highest Channel / 64QAM

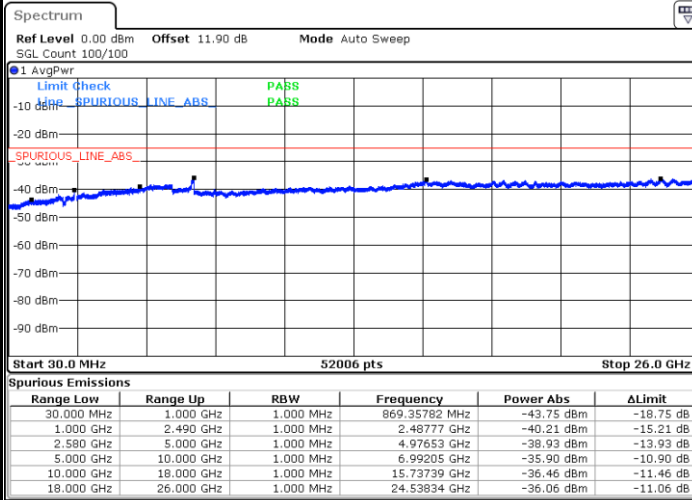


Date: 24.JAN.2020 06:56:32



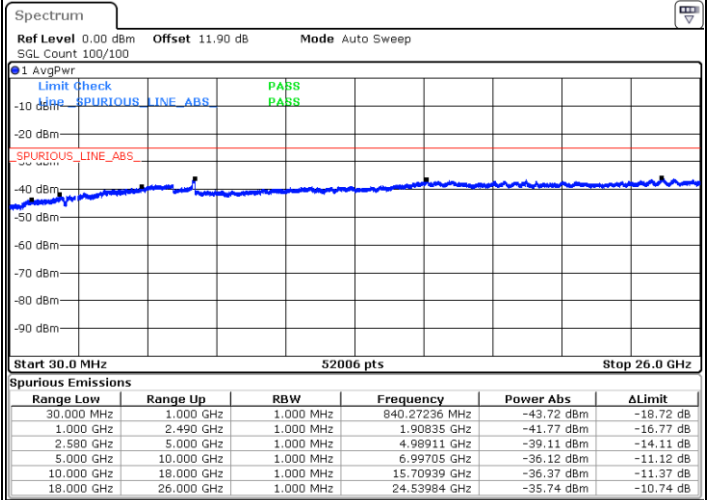
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



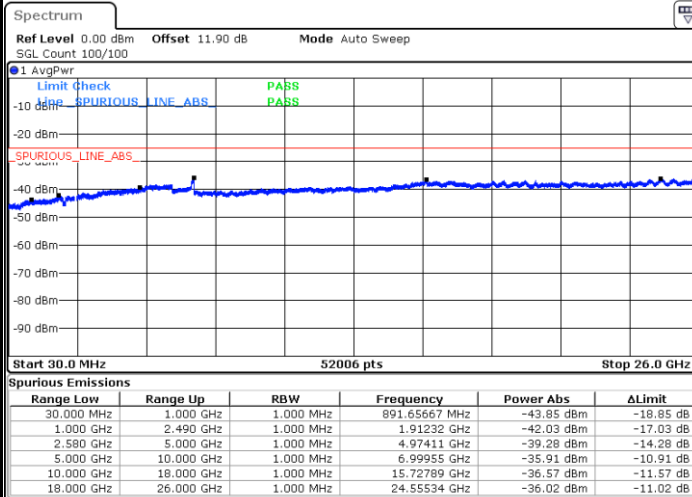
Date: 24.JAN.2020 07:20:38

Middle Channel / 64QAM



Date: 24.JAN.2020 07:22:07

Highest Channel / 64QAM

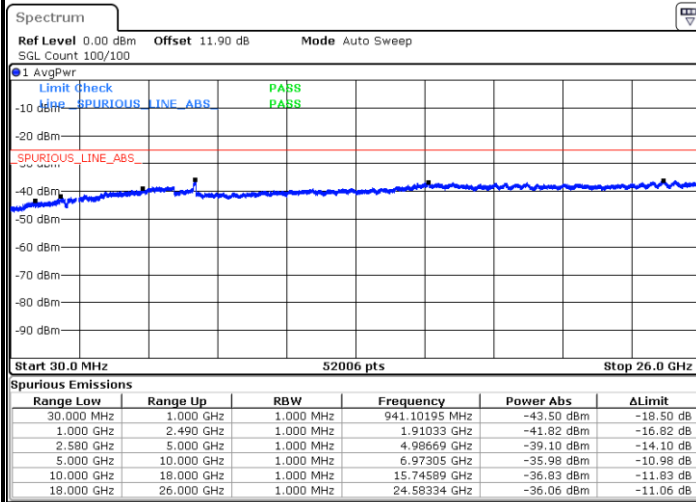


Date: 24.JAN.2020 07:26:21



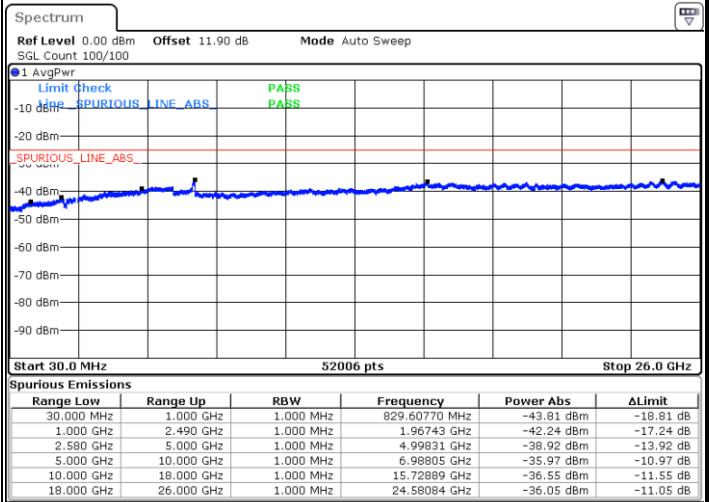
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



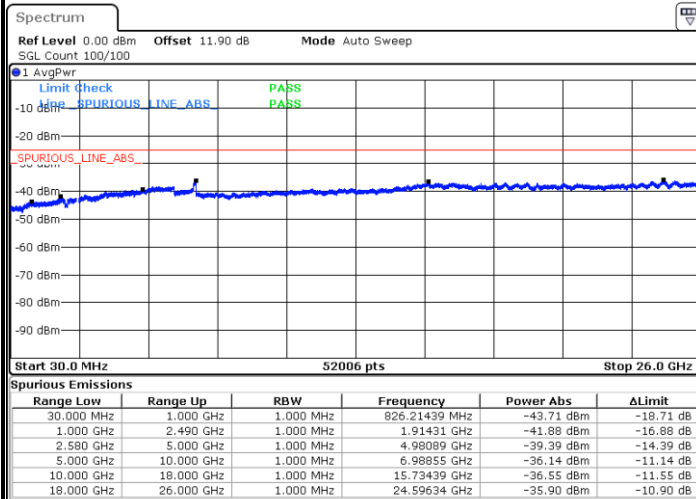
Date: 24.JAN.2020 08:26:42

Middle Channel / 64QAM



Date: 24.JAN.2020 08:28:10

Highest Channel / 64QAM



Date: 24.JAN.2020 08:32:23

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	0.0015	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0030	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0026	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 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	29.85	25.28	30.57	34.83
Middle CH	29.85	25.28	30.51	34.69
Highest CH	29.91	25.33	30.63	35.04
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	35.04	39.80	-
Middle CH	30.03	34.83	39.80	-
Highest CH	30.15	35.04	39.80	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.85	25.18	30.63	34.83
Middle CH	29.97	25.23	30.45	34.83
Highest CH	29.97	25.18	30.75	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.03	34.76	39.88	-
Middle CH	30.03	35.04	39.88	-
Highest CH	30.09	35.11	39.72	-

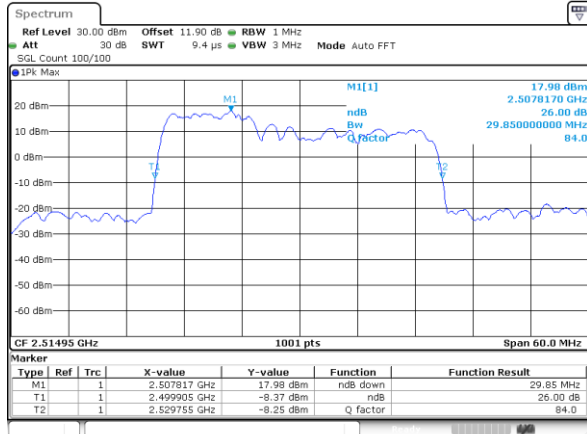
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.91	25.28	30.39	34.76
Middle CH	29.91	25.23	30.39	34.83
Highest CH	29.79	25.13	30.51	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.90	39.80	-
Middle CH	29.97	34.90	39.72	-
Highest CH	29.85	34.83	39.80	-



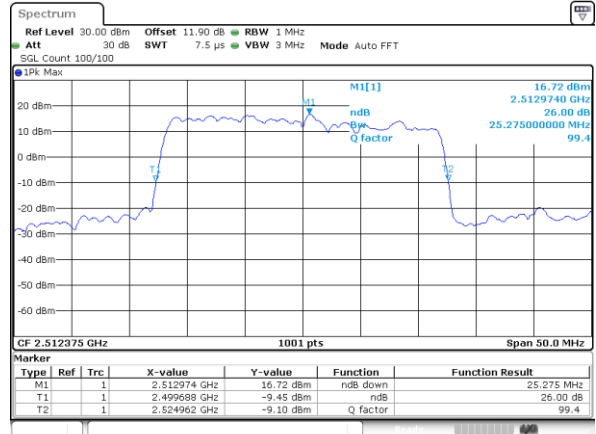
LTE Band 7C

QPSK

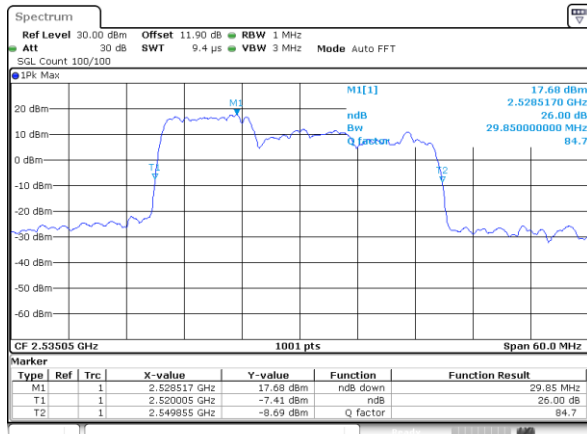
Lowest Channel / 10MHz+20MHz



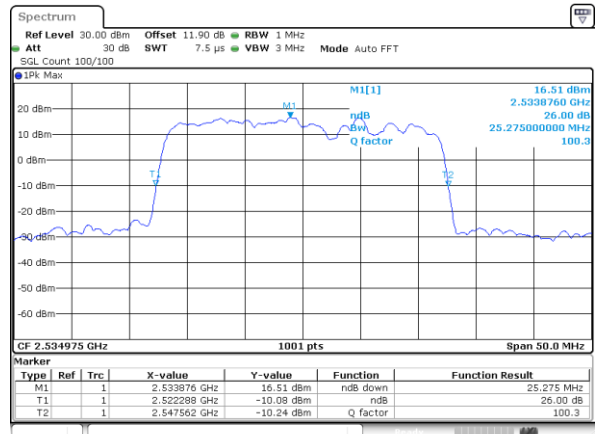
Lowest Channel / 15MHz+10MHz



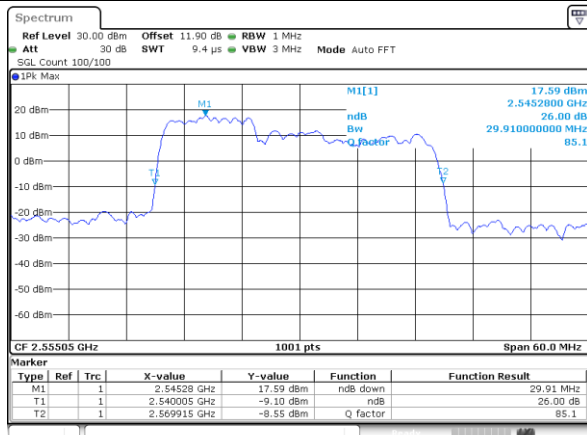
Middle Channel / 10MHz+20MHz



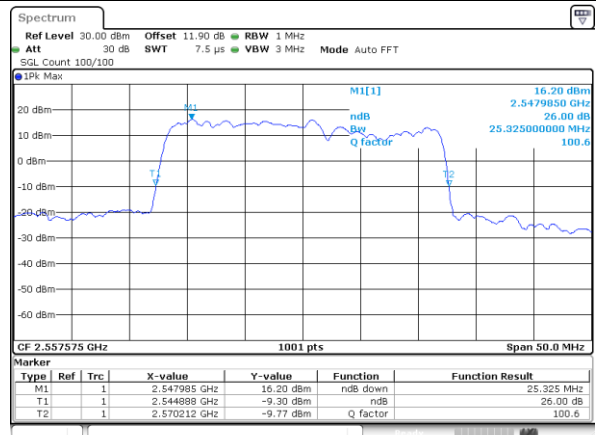
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

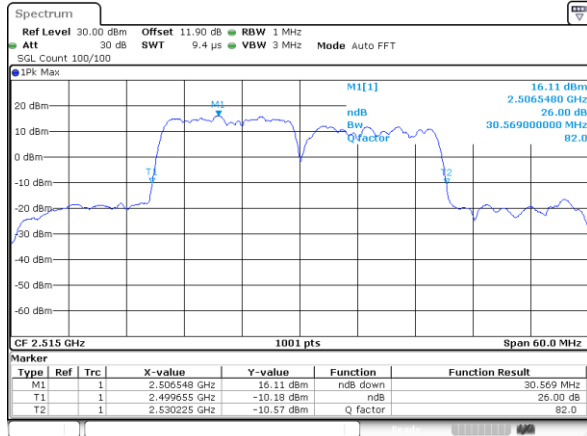




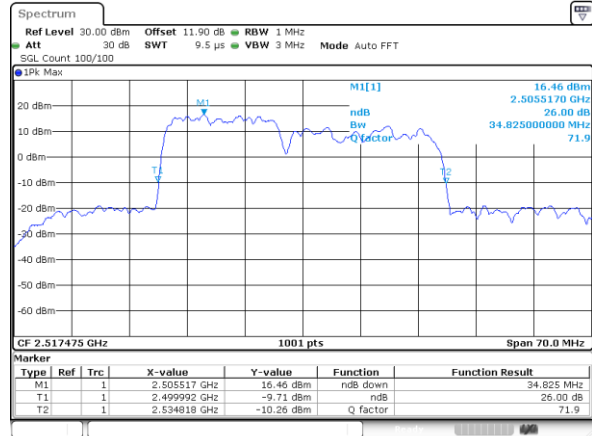
LTE Band 7C

QPSK

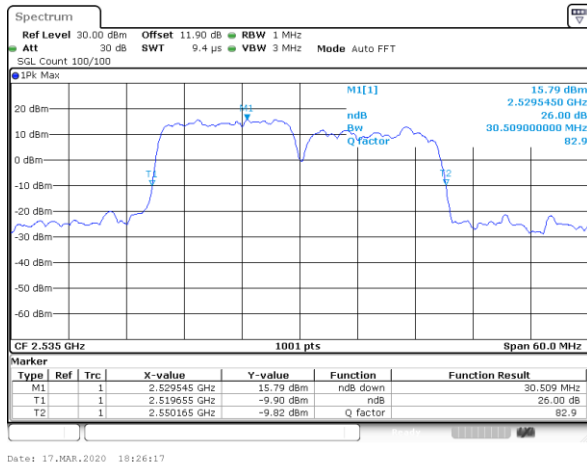
Lowest Channel / 15MHz+15MHz



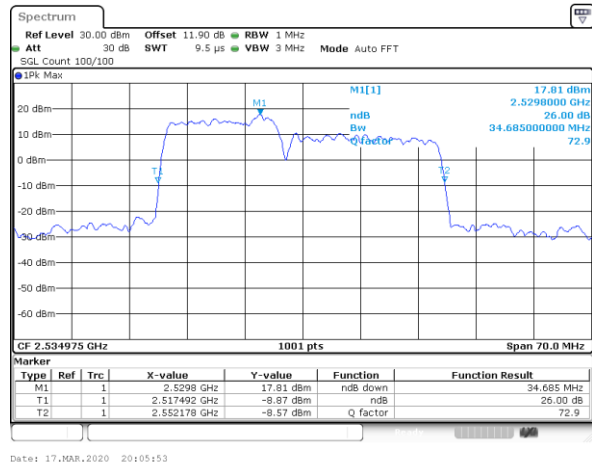
Lowest Channel / 15MHz+20MHz



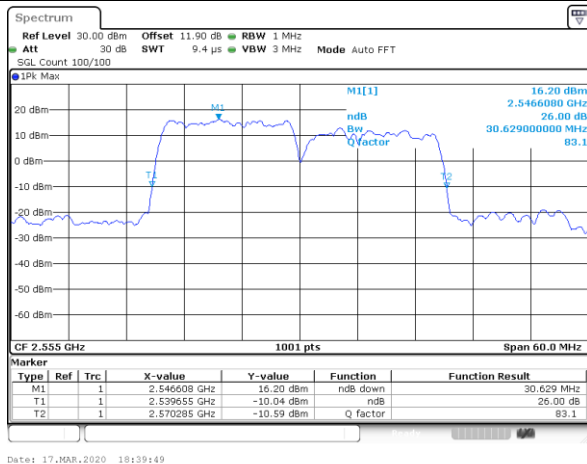
Middle Channel / 15MHz+15MHz



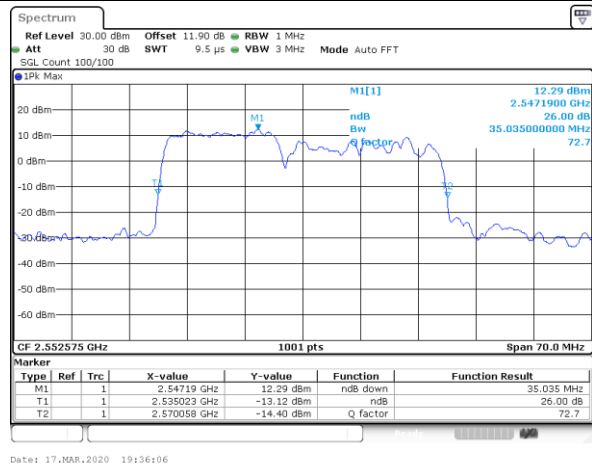
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

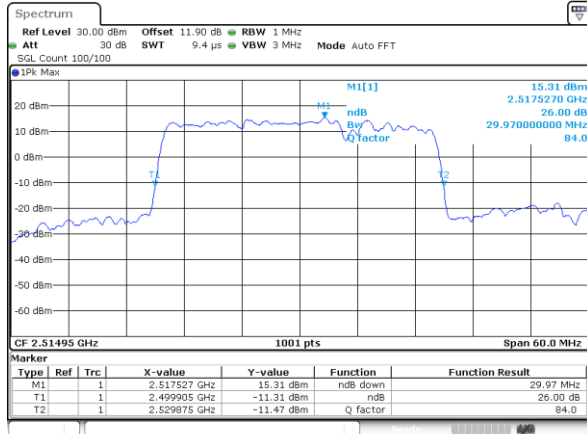




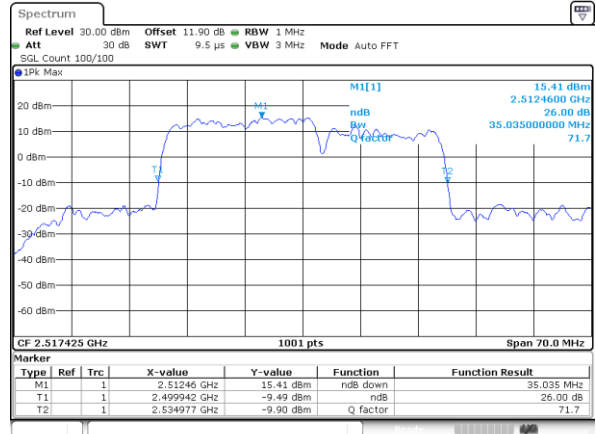
LTE Band 7C

QPSK

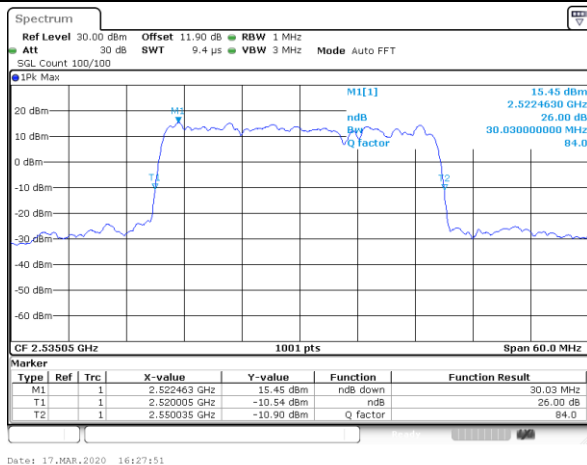
Lowest Channel / 20MHz+10MHz



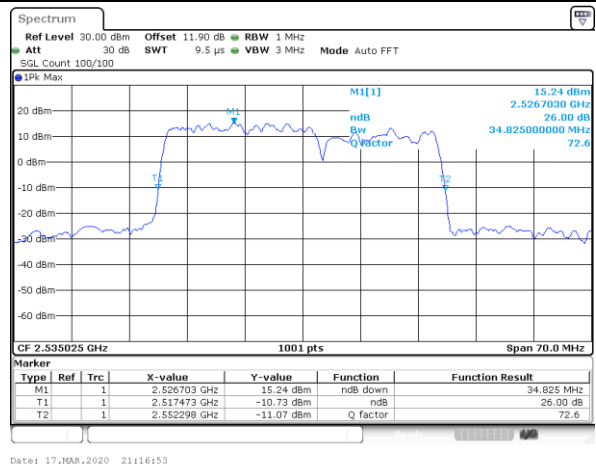
Lowest Channel / 20MHz+15MHz



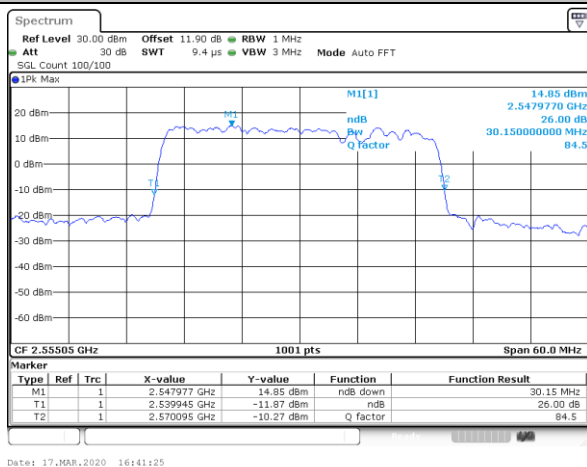
Middle Channel / 20MHz+10MHz



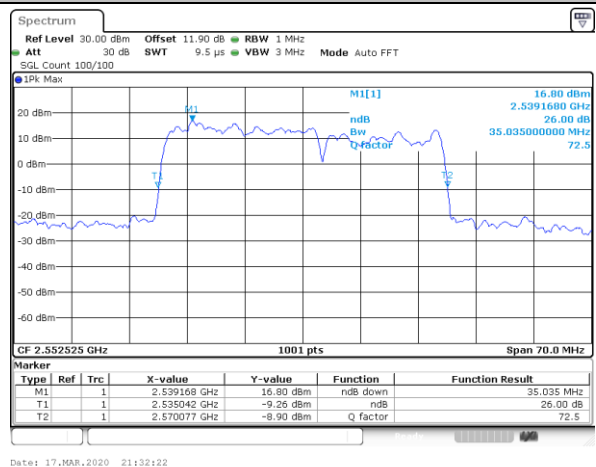
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



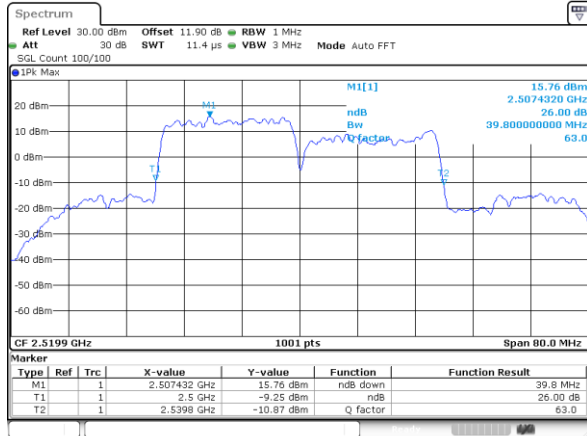


LTE Band 7C

QPSK

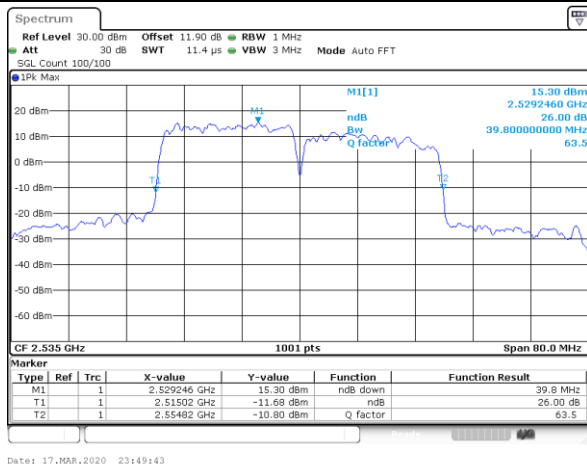
Lowest Channel / 20MHz+20MHz

N/A



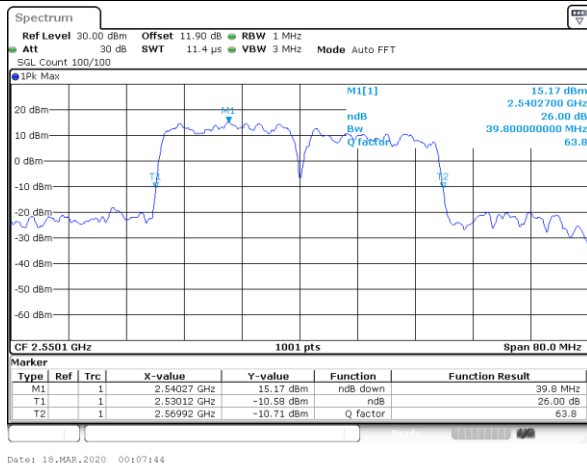
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

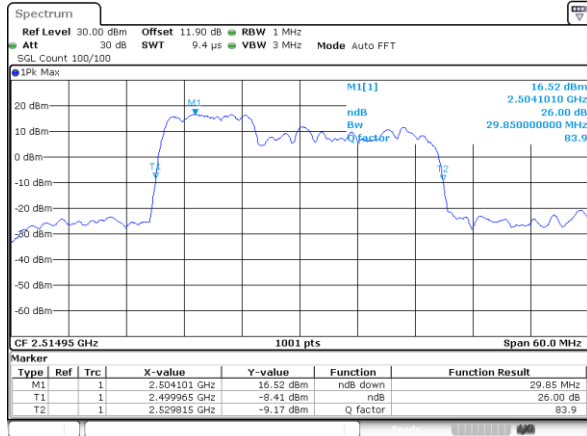




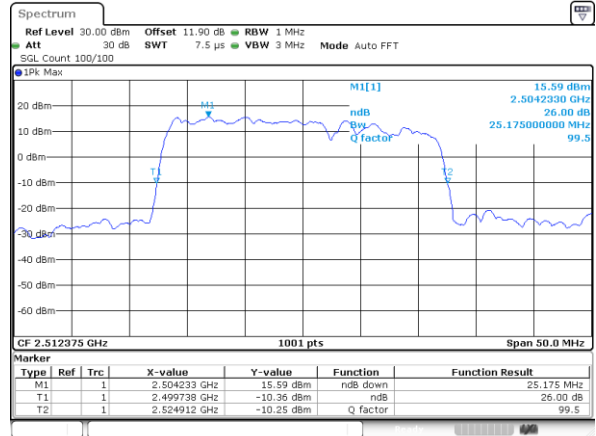
LTE Band 7C

16QAM

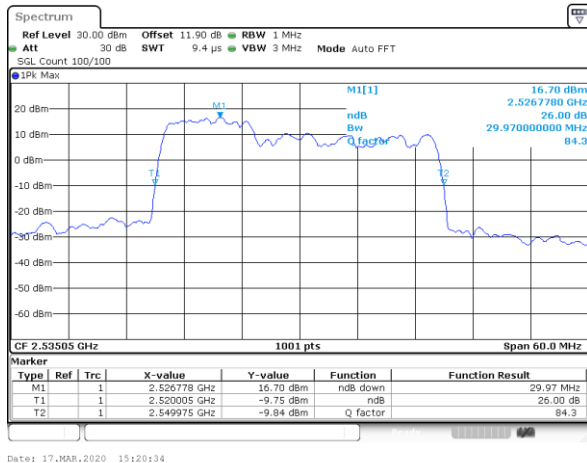
Lowest Channel / 10MHz+20MHz



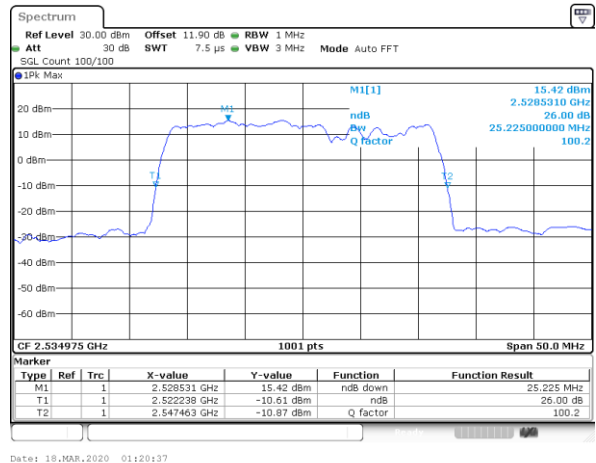
Lowest Channel / 15MHz+10MHz



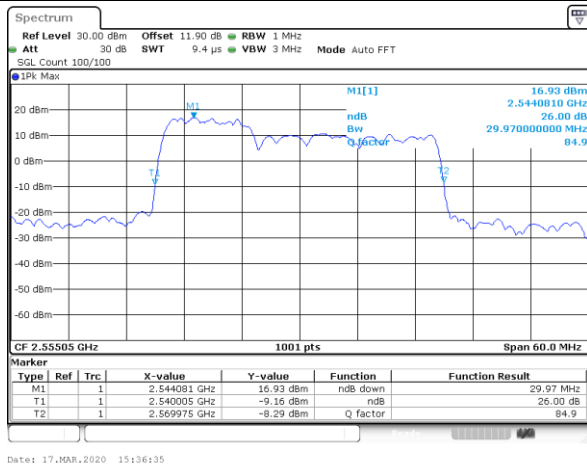
Middle Channel / 10MHz+20MHz



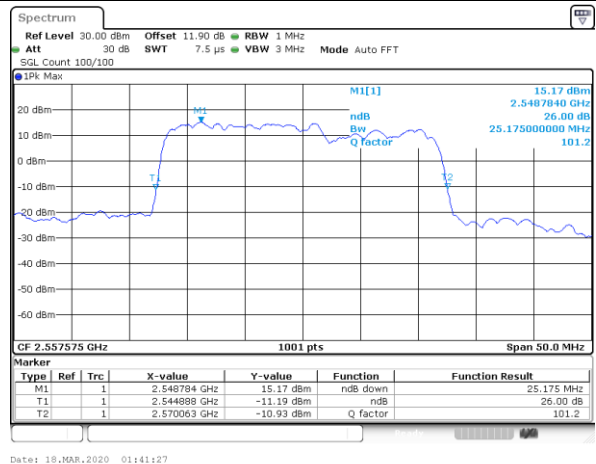
Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

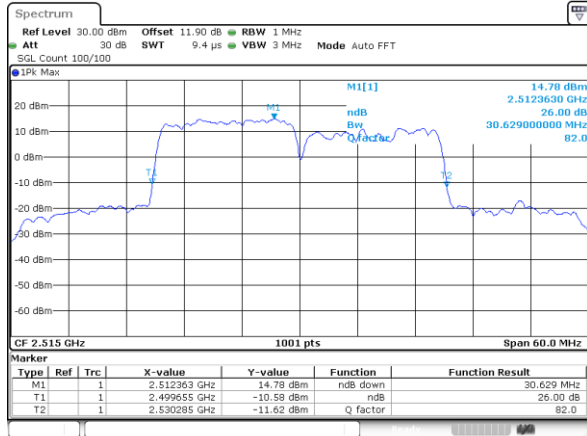




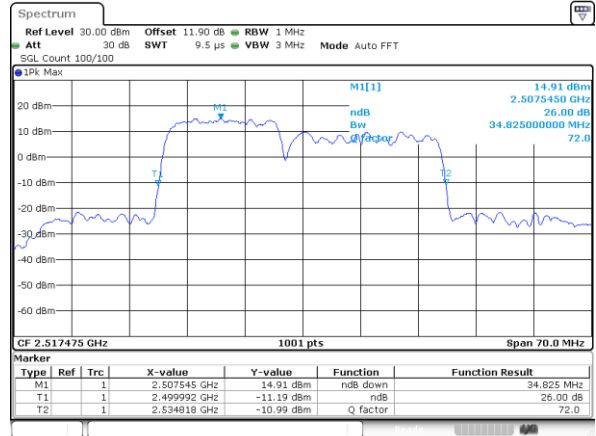
LTE Band 7C

16QAM

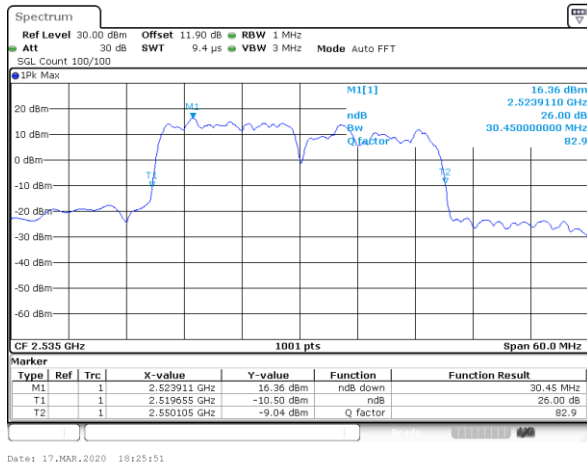
Lowest Channel / 15MHz+15MHz



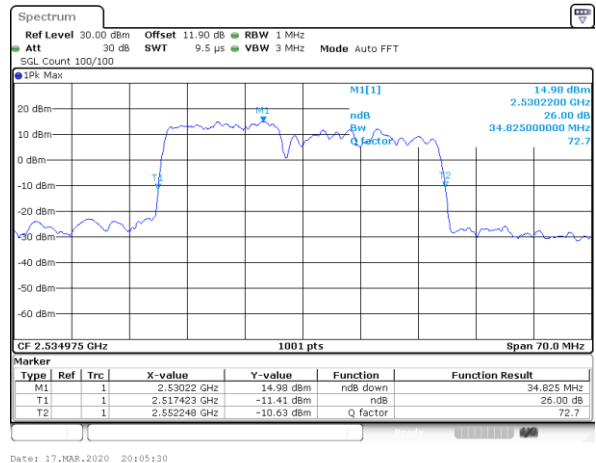
Lowest Channel / 15MHz+20MHz



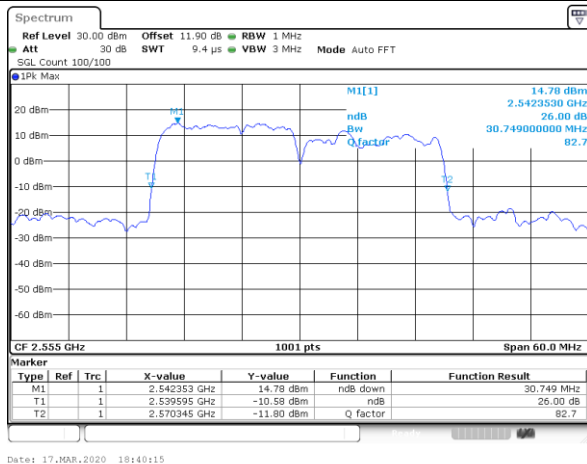
Middle Channel / 15MHz+15MHz



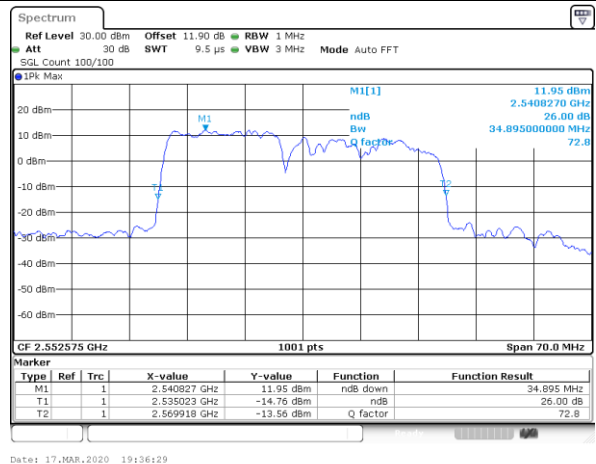
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

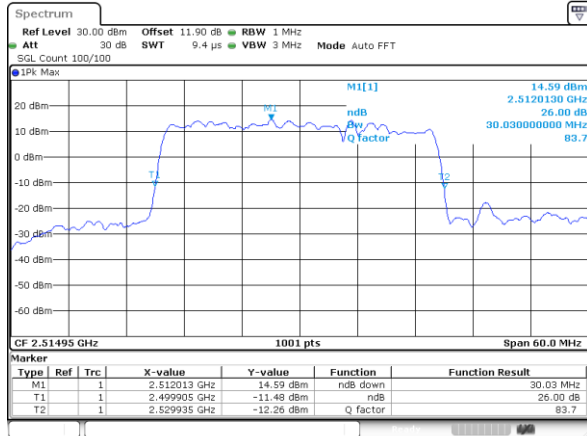




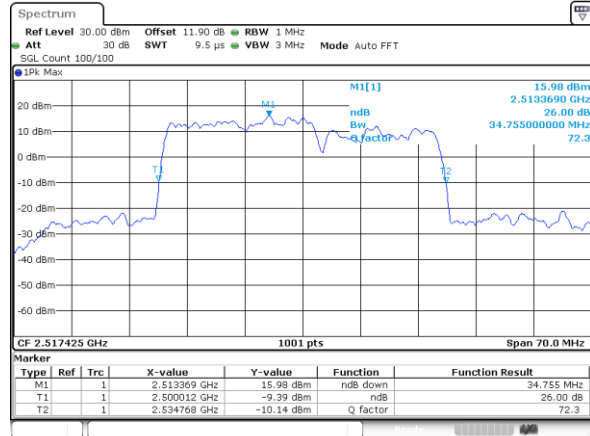
LTE Band 7C

16QAM

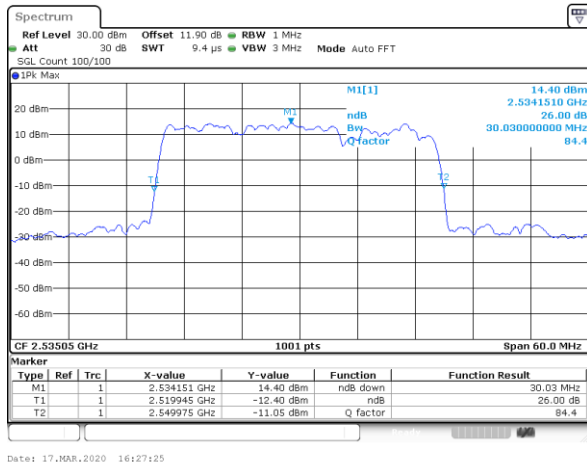
Lowest Channel / 20MHz+10MHz



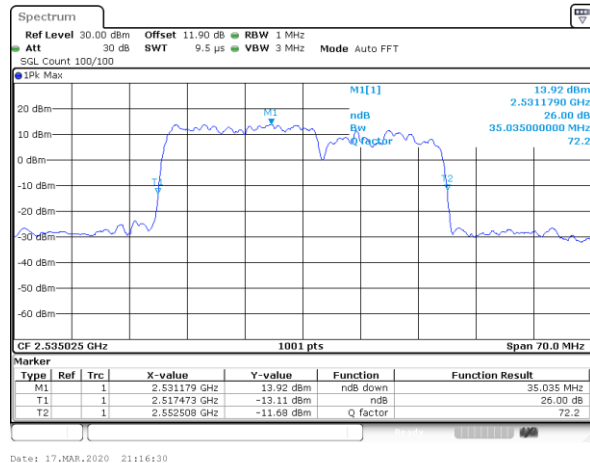
Lowest Channel / 20MHz+15MHz



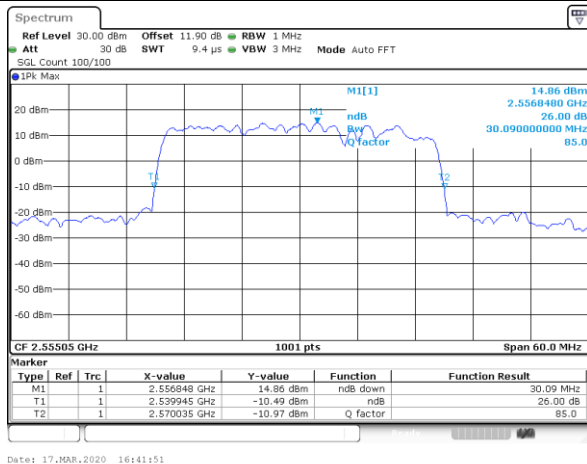
Middle Channel / 20MHz+10MHz



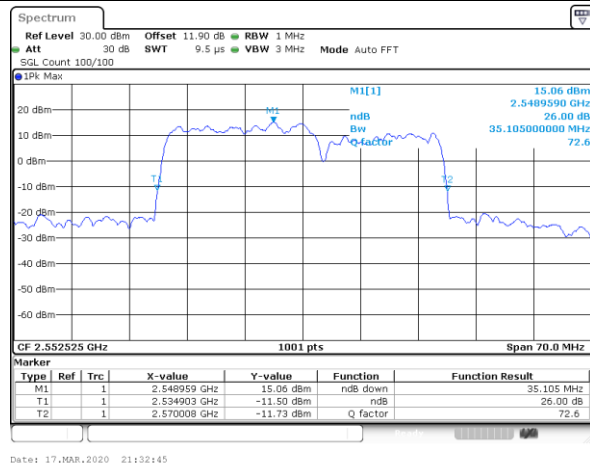
Middle Channel / 20MHz+15MHz



Highest Channel / 20MHz+10MHz



Highest Channel / 20MHz+15MHz



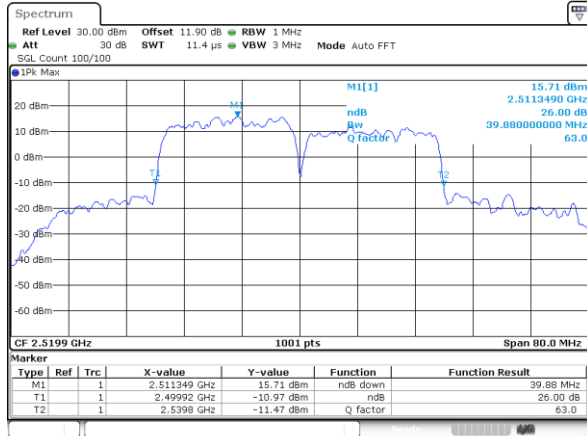


LTE Band 7C

16QAM

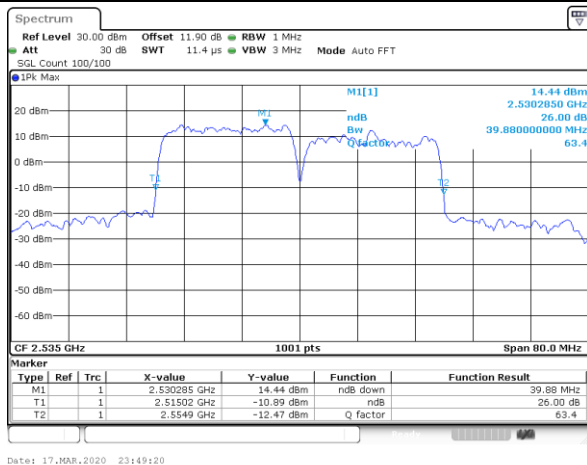
Lowest Channel / 20MHz+20MHz

N/A



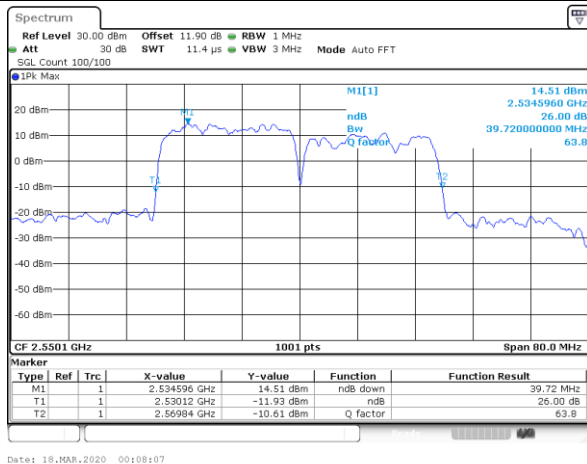
Middle Channel / 20MHz+20MHz

N/A



Highest Channel / 20MHz+20MHz

N/A

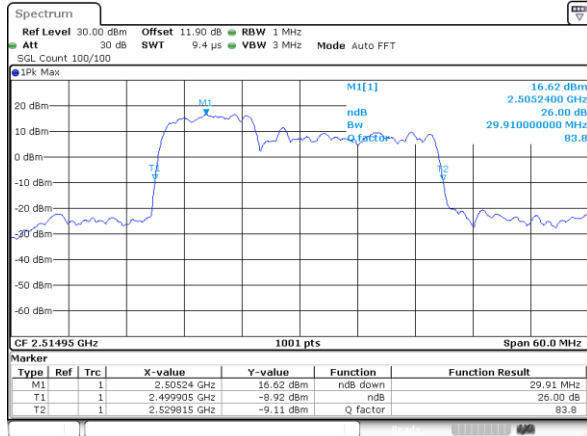




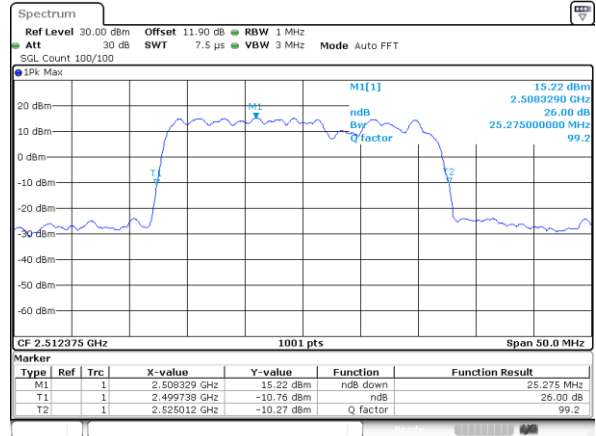
LTE Band 7C

64QAM

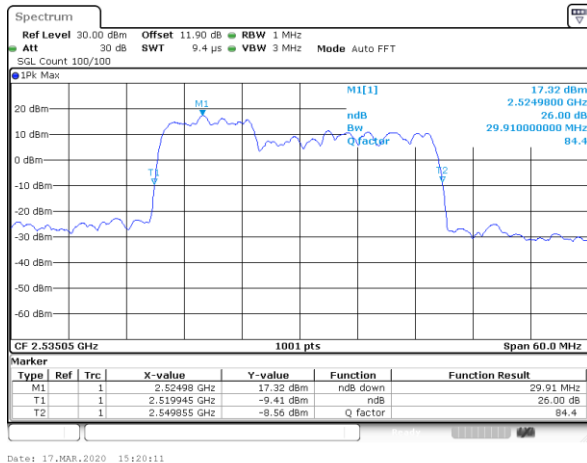
Lowest Channel / 10MHz+20MHz



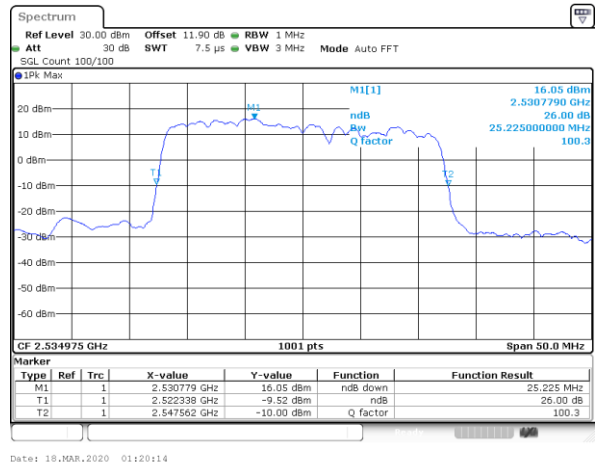
Lowest Channel / 15MHz+10MHz



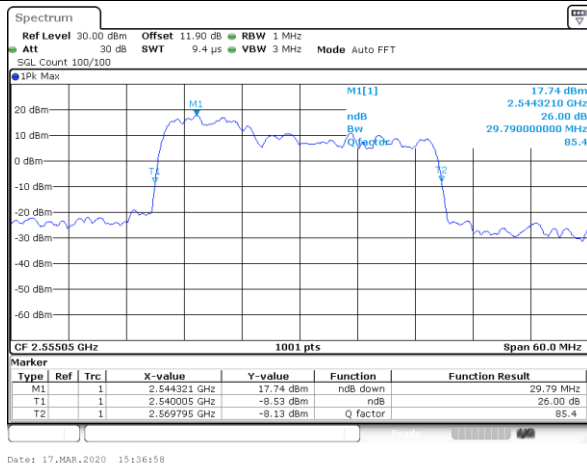
Middle Channel / 10MHz+20MHz



Middle Channel / 15MHz+10MHz



Highest Channel / 10MHz+20MHz



Highest Channel / 15MHz+10MHz

