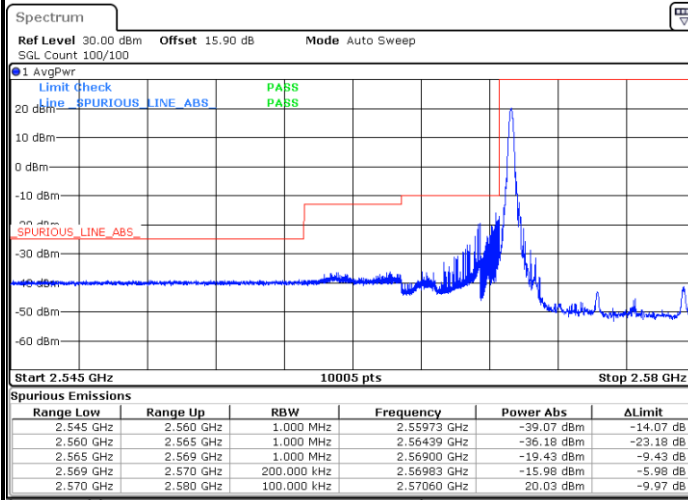


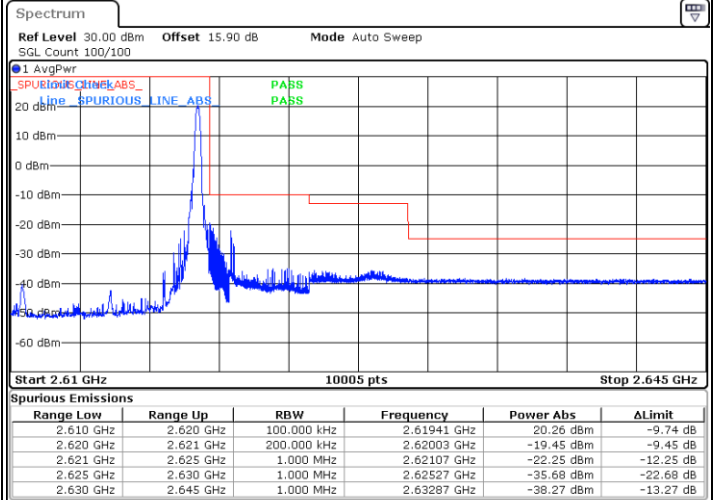


LTE Band 38(HPUE) / 10MHz / 16QAM

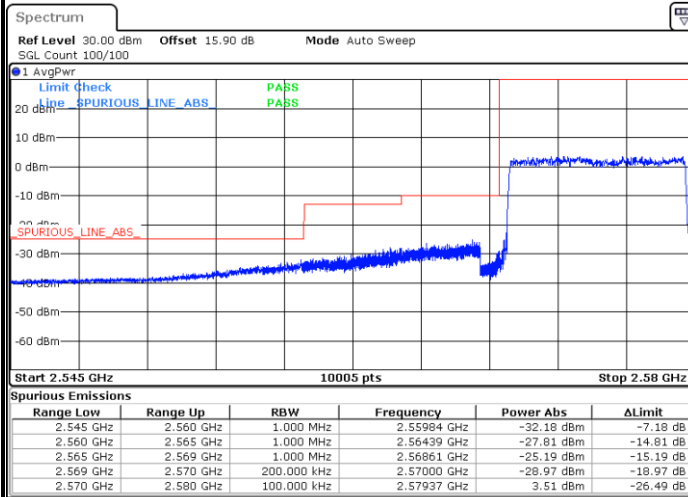
Lowest Band Edge / 1 RB



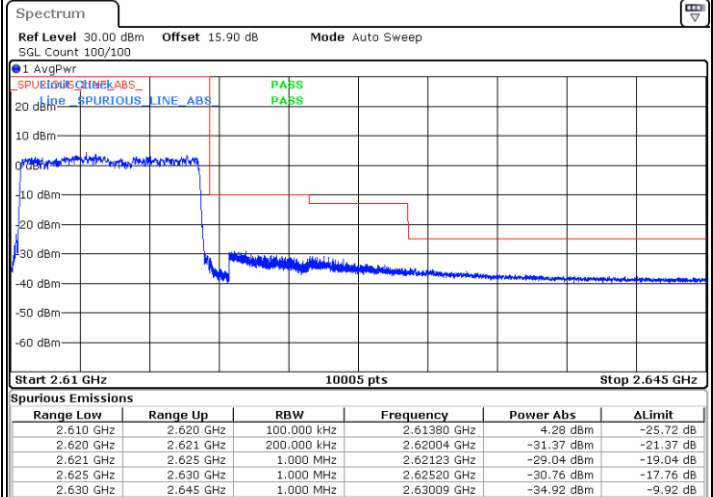
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



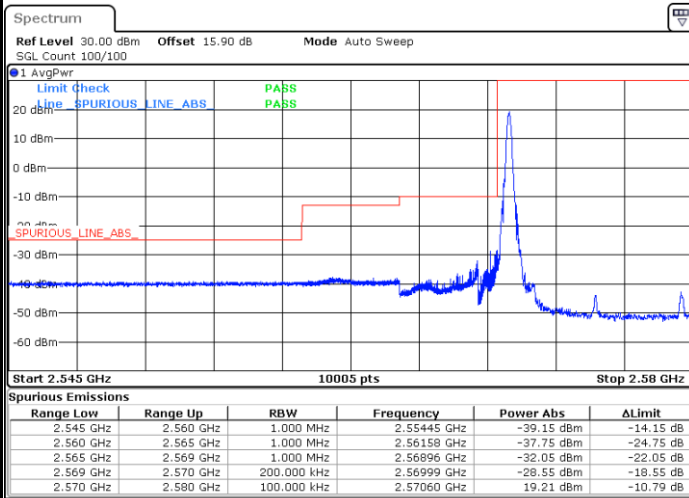
Highest Band Edge / Full RB



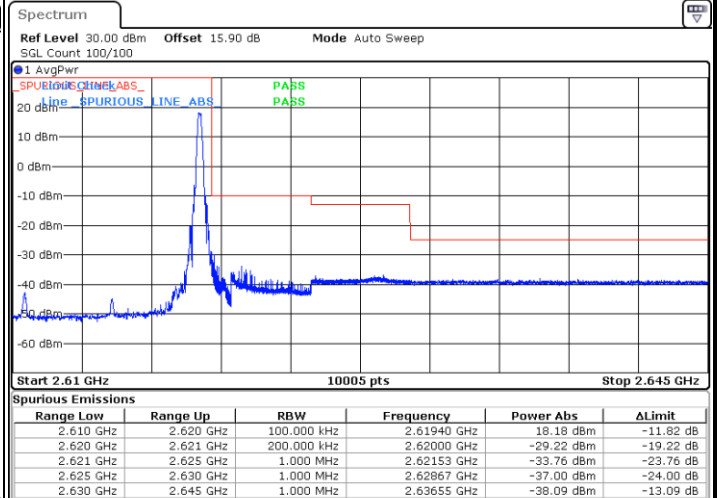


LTE Band 38(HPUE) / 10MHz / 64QAM

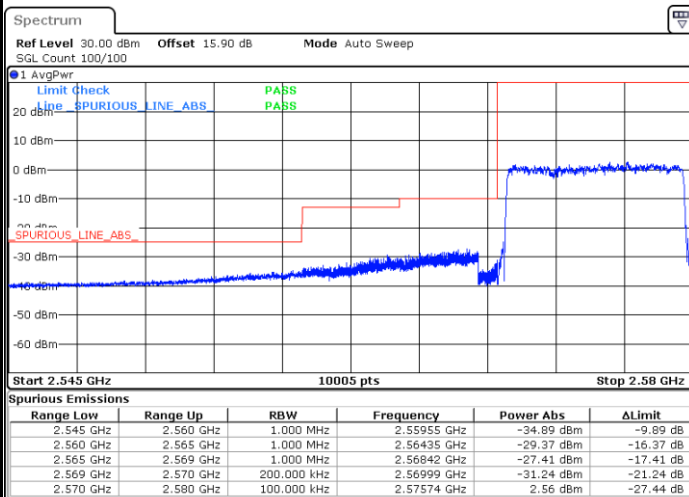
Lowest Band Edge / 1 RB



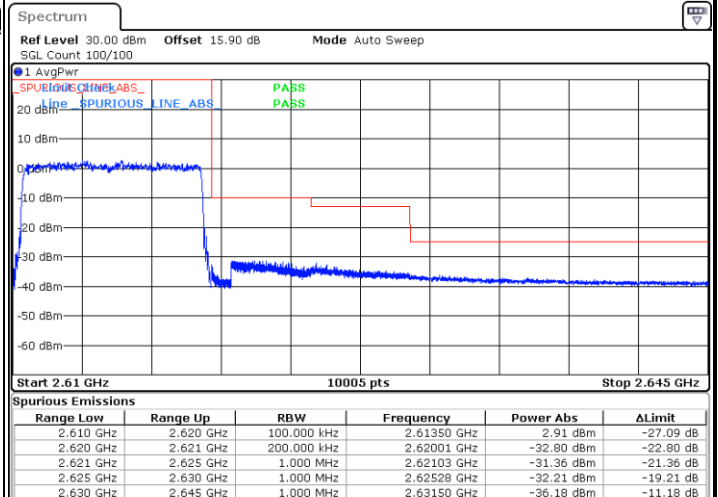
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



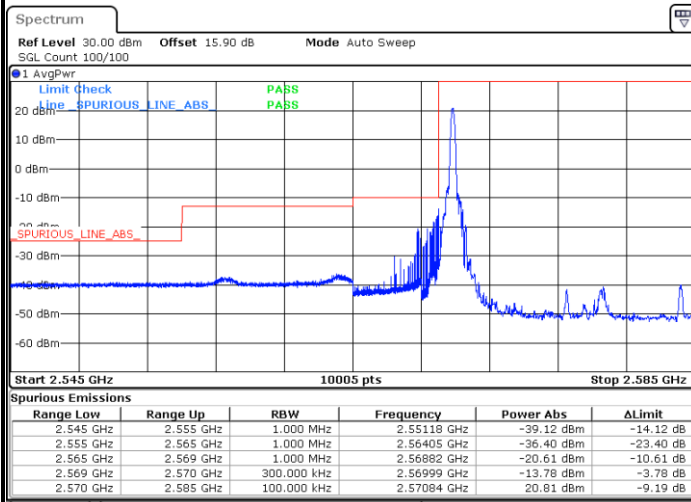
Highest Band Edge / Full RB



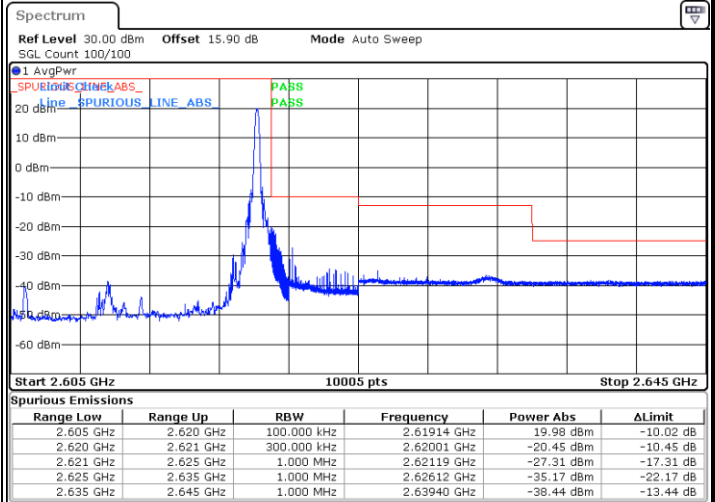


LTE Band 38(HPUE) / 15MHz / QPSK

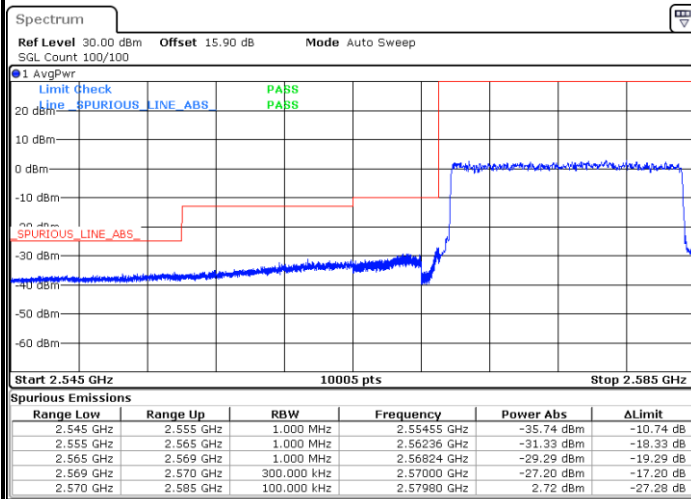
Lowest Band Edge / 1 RB



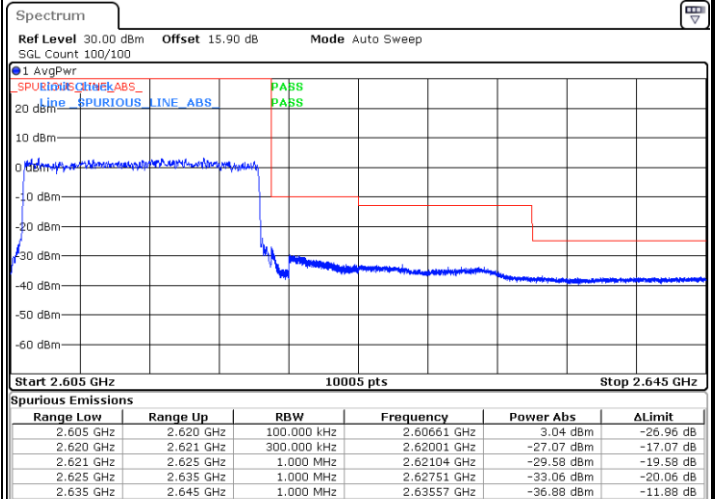
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



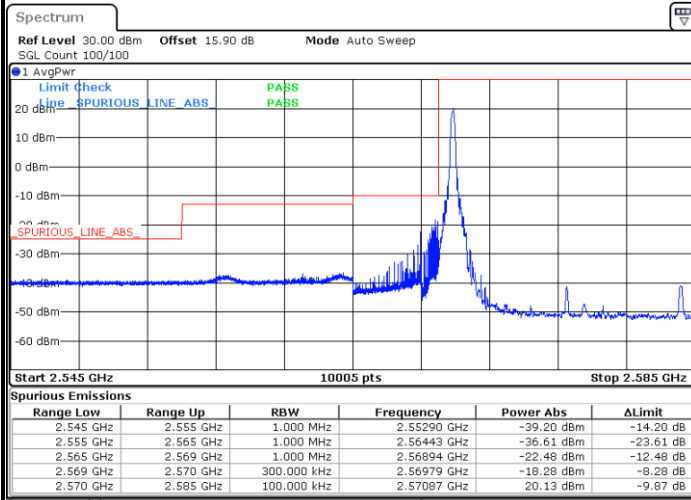
Highest Band Edge / Full RB



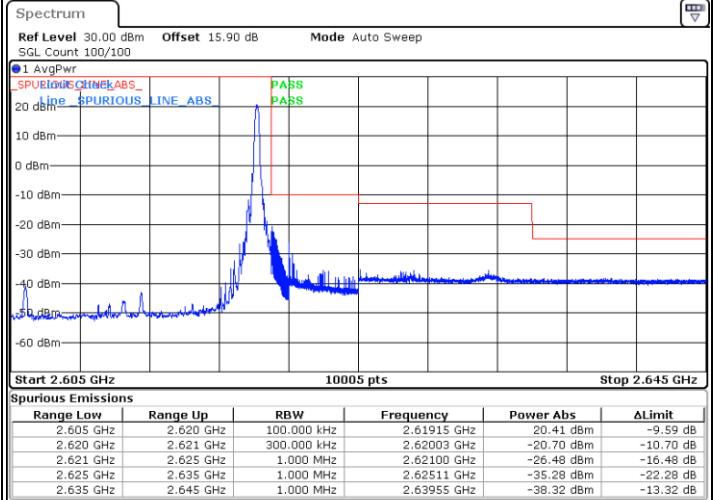


LTE Band 38(HPUE) / 15MHz / 16QAM

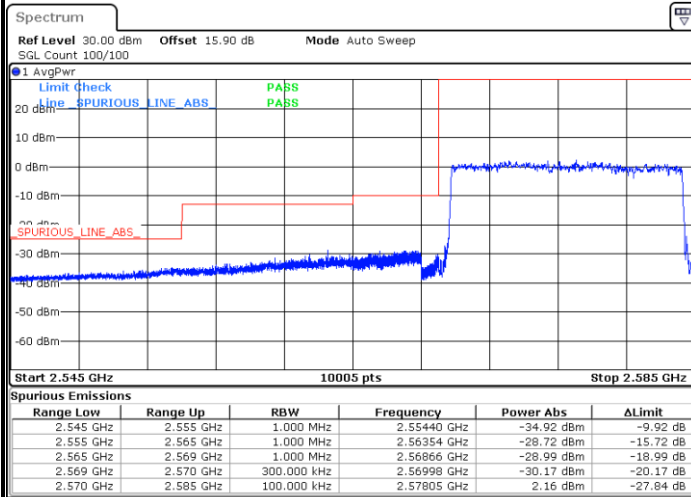
Lowest Band Edge / 1 RB



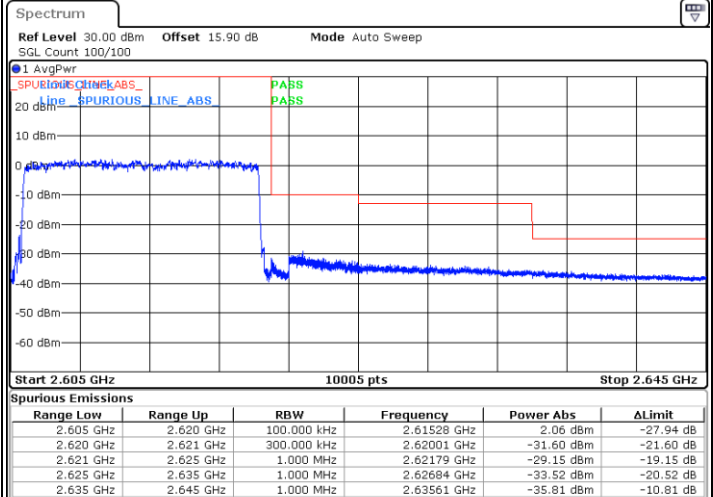
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



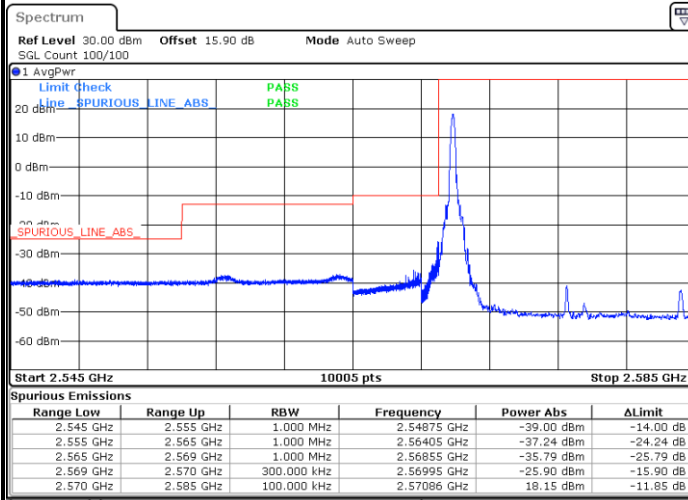
Highest Band Edge / Full RB



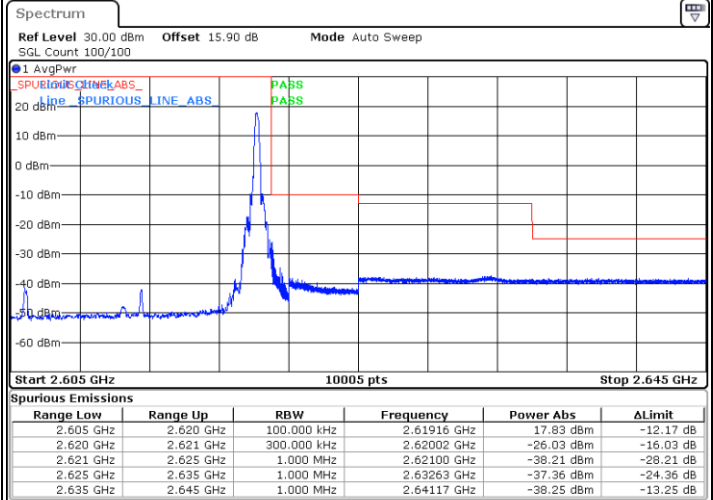


LTE Band 38(HPUE) / 15MHz / 64QAM

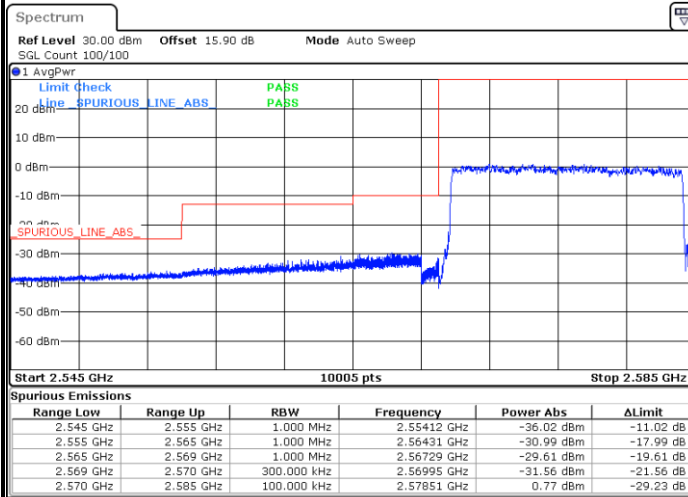
Lowest Band Edge / 1 RB



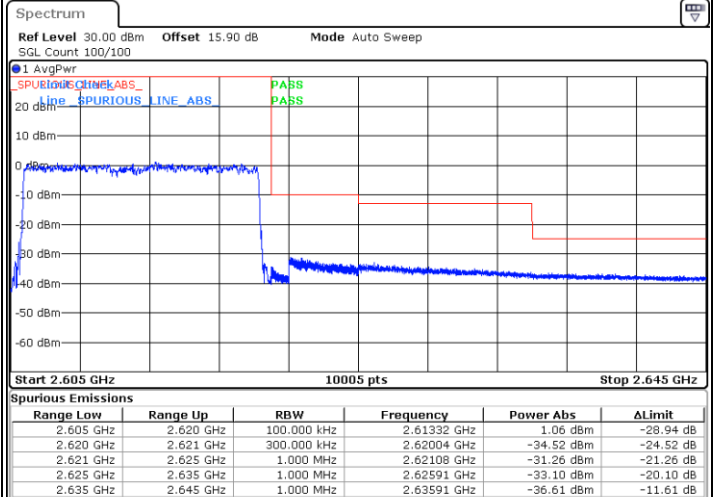
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



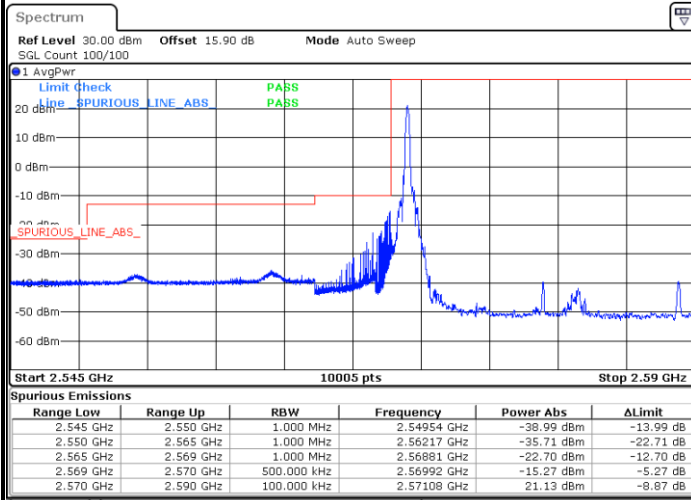
Highest Band Edge / Full RB



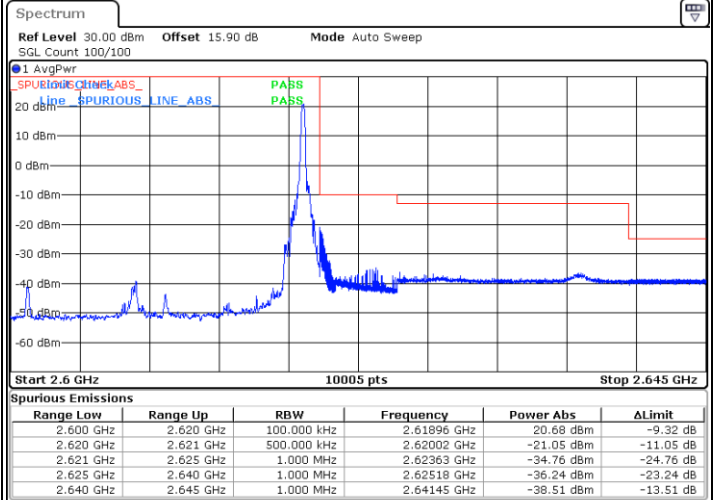


LTE Band 38(HPUE) / 20MHz / QPSK

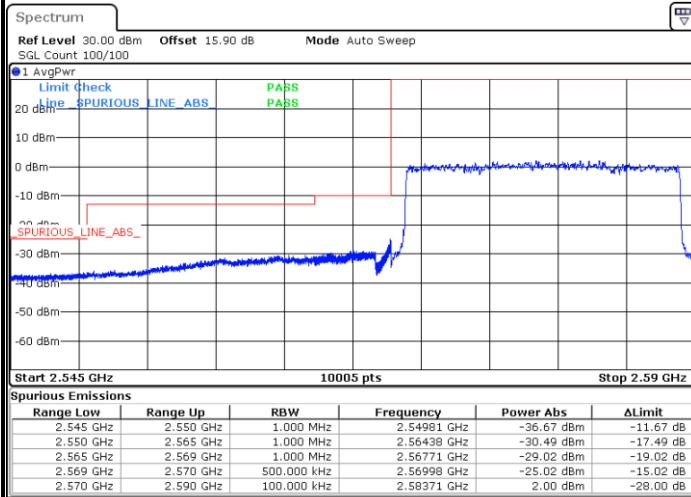
Lowest Band Edge / 1 RB



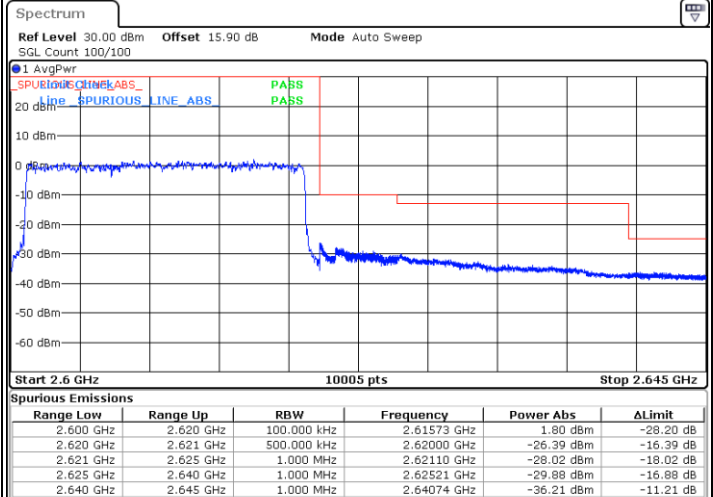
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



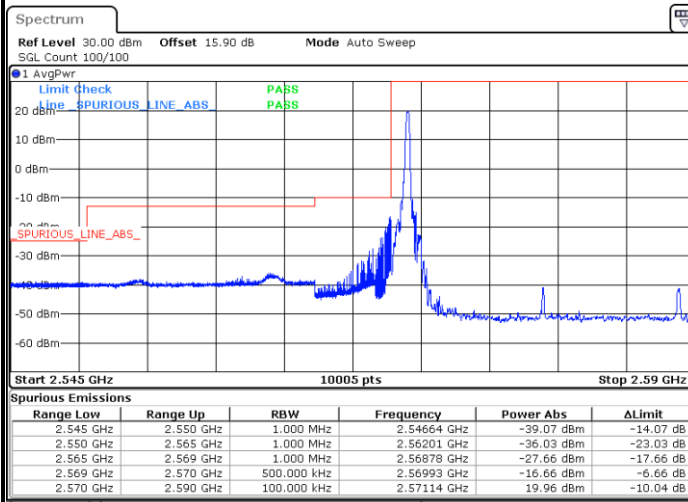
Highest Band Edge / Full RB



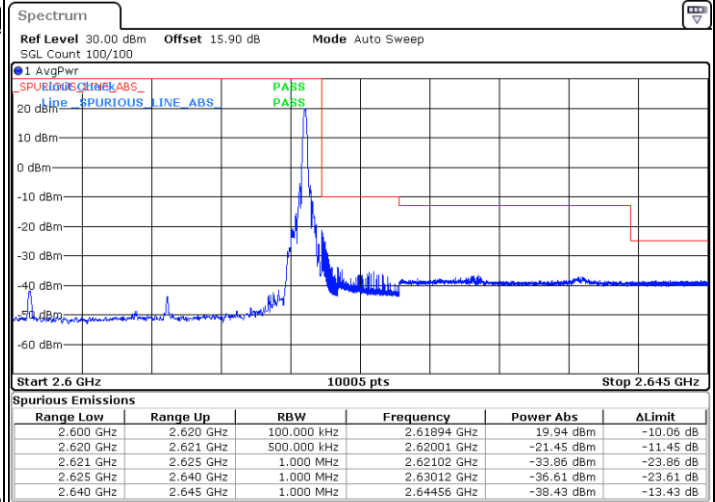


LTE Band 38(HPUE) / 20MHz / 16QAM

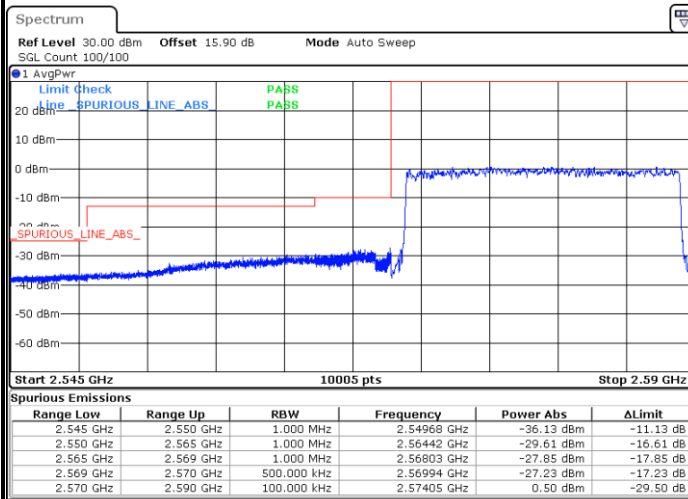
Lowest Band Edge / 1 RB



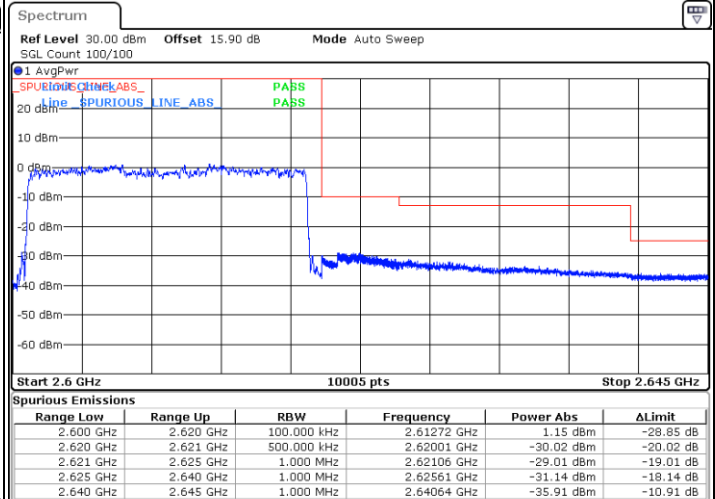
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



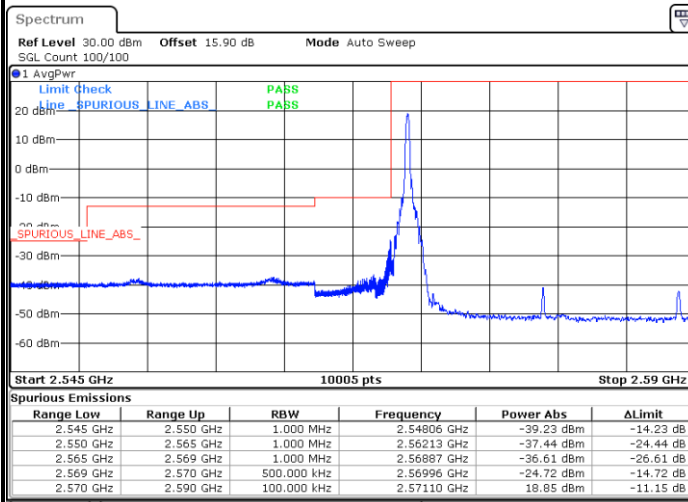
Highest Band Edge / Full RB



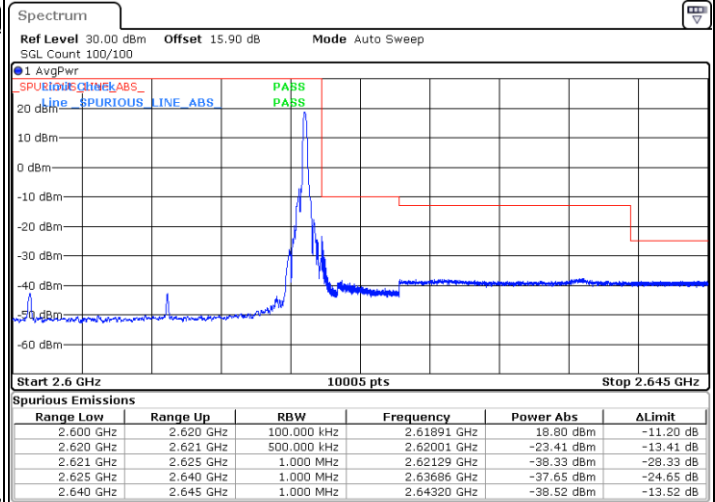


LTE Band 38(HPUE) / 20MHz / 64QAM

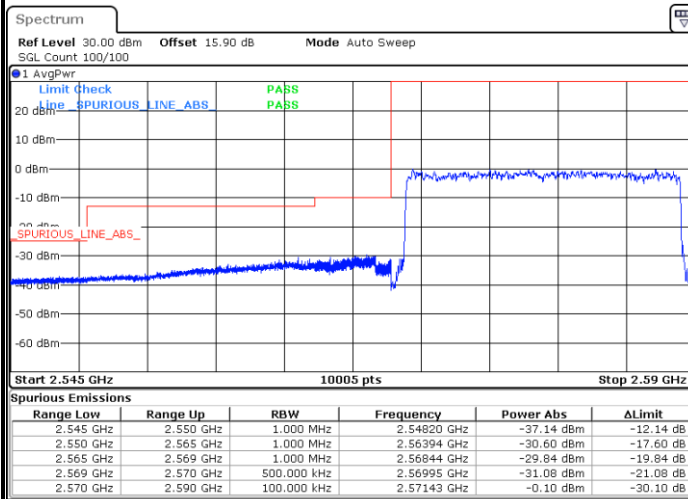
Lowest Band Edge / 1 RB



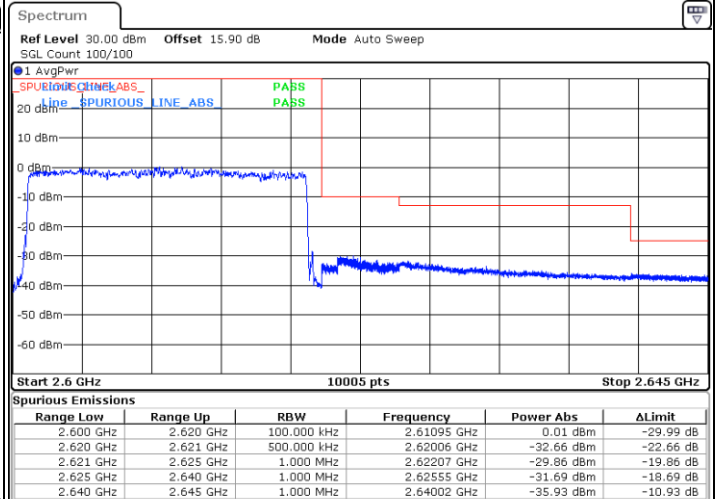
Highest Band Edge / 1 RB

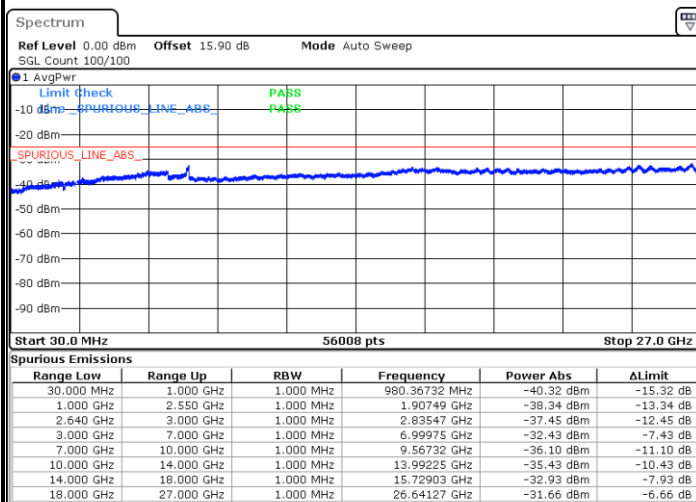


Lowest Band Edge / Full RB

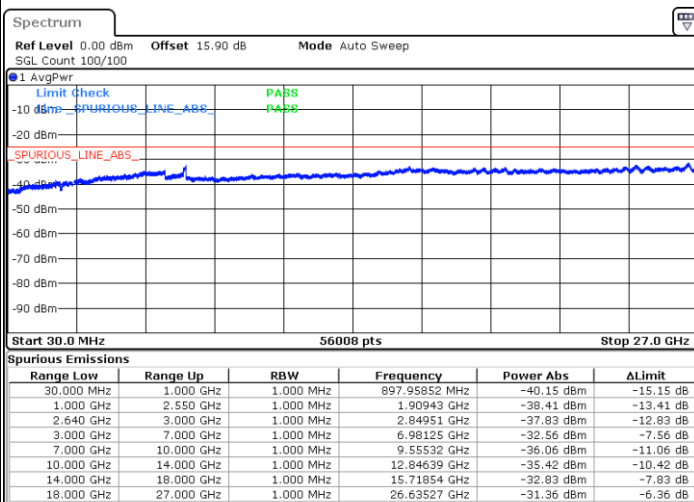


Highest Band Edge / Full RB

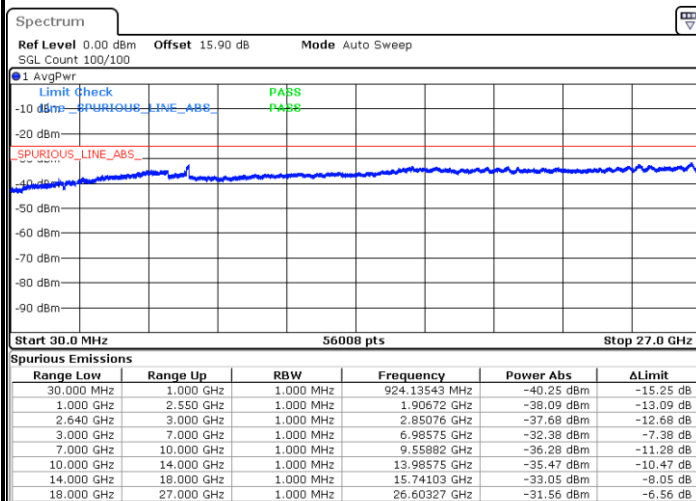


**Conducted Spurious Emission****LTE Band 38(HPUE) / 5MHz****Lowest Channel / QPSK**

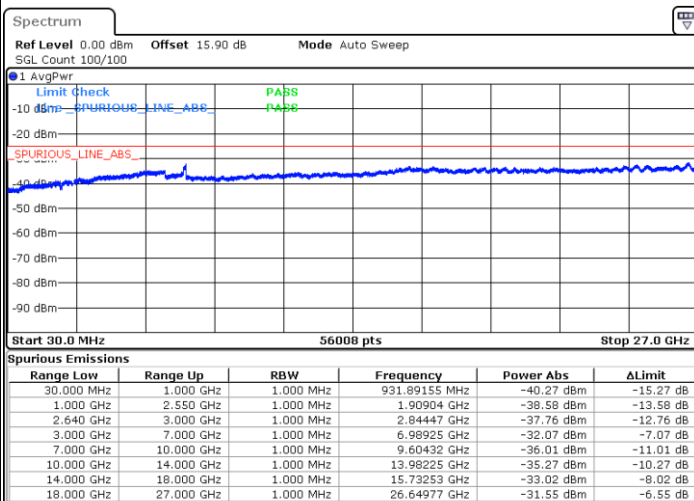
Date: 9.MAR.2020 20:41:42

Lowest Channel / 16QAM

Date: 9.MAR.2020 20:43:07

Middle Channel / QPSK

Date: 9.MAR.2020 20:44:33

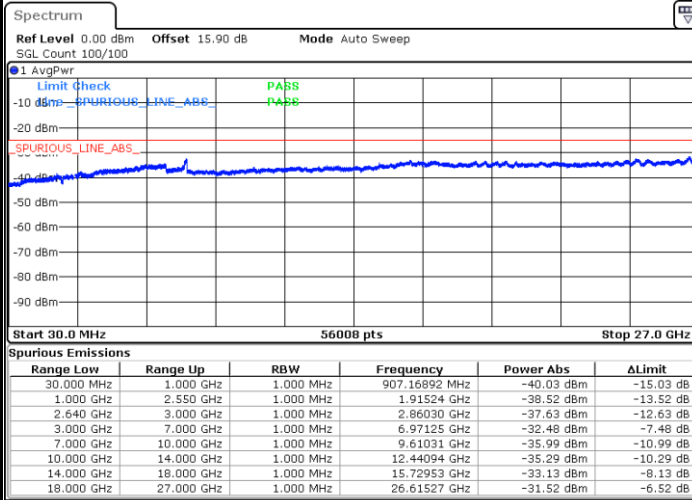
Middle Channel / 16QAM

Date: 9.MAR.2020 20:45:58



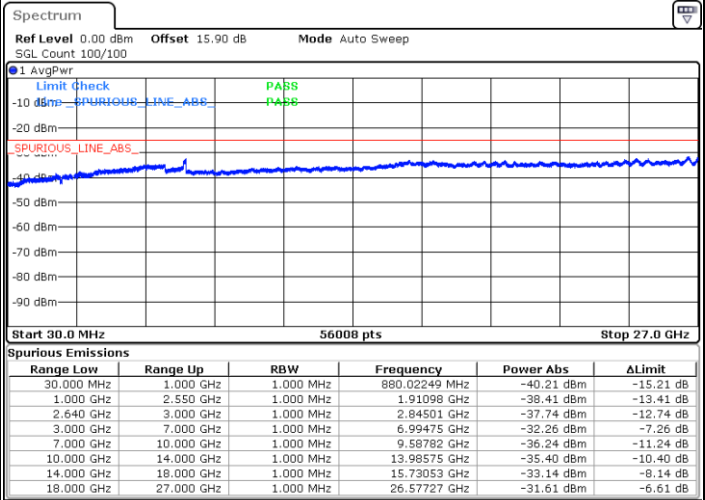
LTE Band 38(HPUE) / 5MHz

Highest Channel / QPSK



Date: 9.MAR.2020 20:47:23

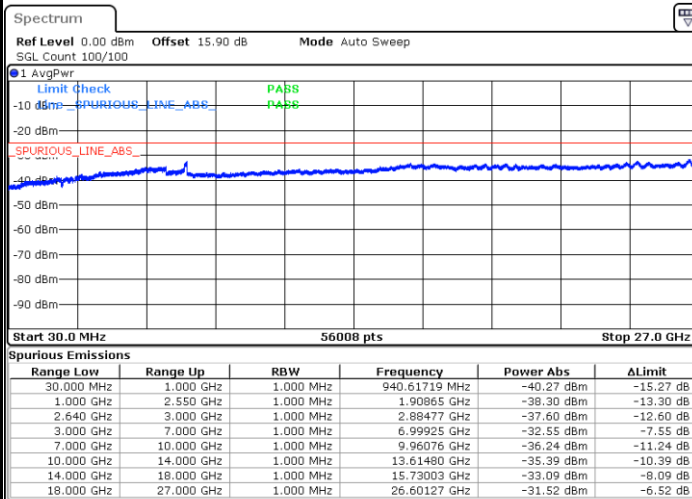
Highest Channel / 16QAM



Date: 9.MAR.2020 20:48:49

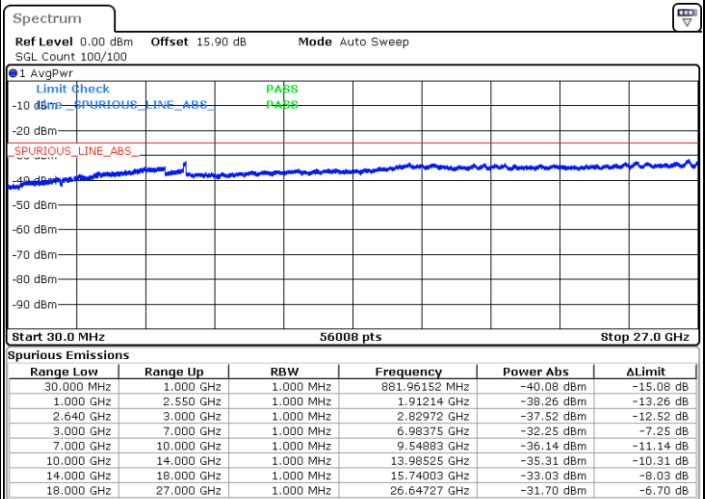
LTE Band 38(HPUE) / 10MHz

Lowest Channel / QPSK



Date: 9.MAR.2020 20:54:31

Lowest Channel / 16QAM

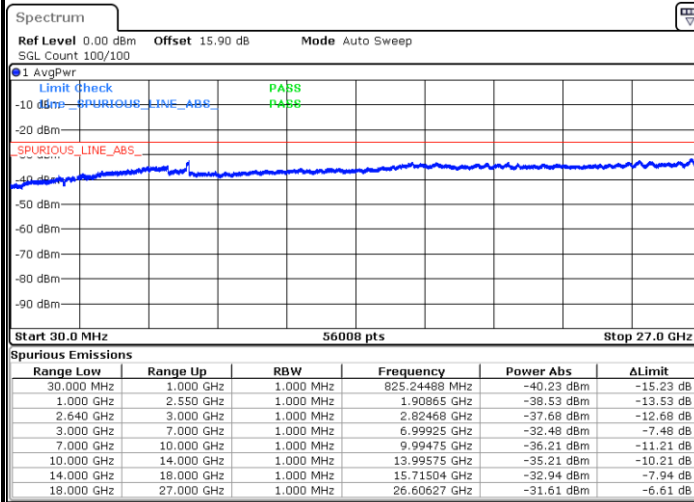


Date: 9.MAR.2020 20:55:57



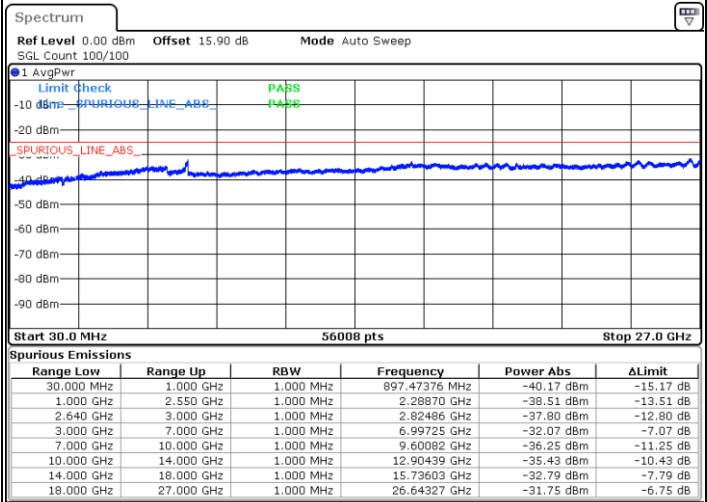
LTE Band 38(HPUE) / 10MHz

Middle Channel / QPSK



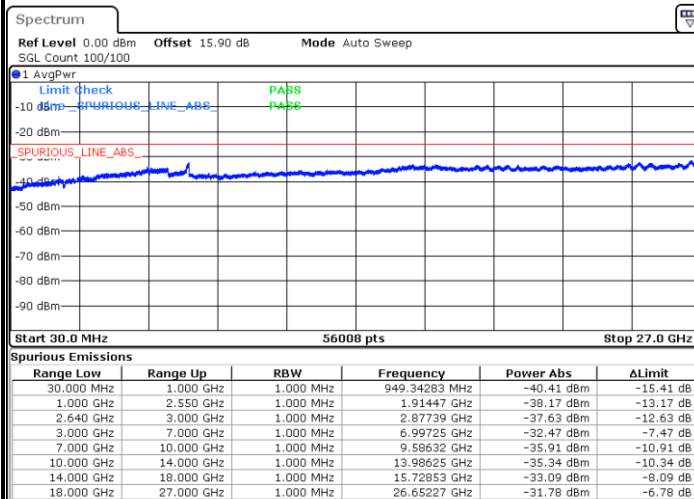
Date: 9.MAR.2020 20:57:22

Middle Channel / 16QAM



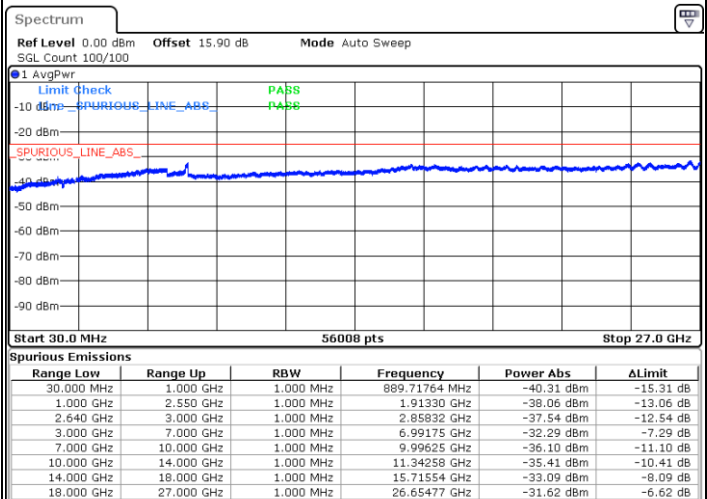
Date: 9.MAR.2020 20:58:47

Highest Channel / QPSK



Date: 9.MAR.2020 21:00:13

Highest Channel / 16QAM

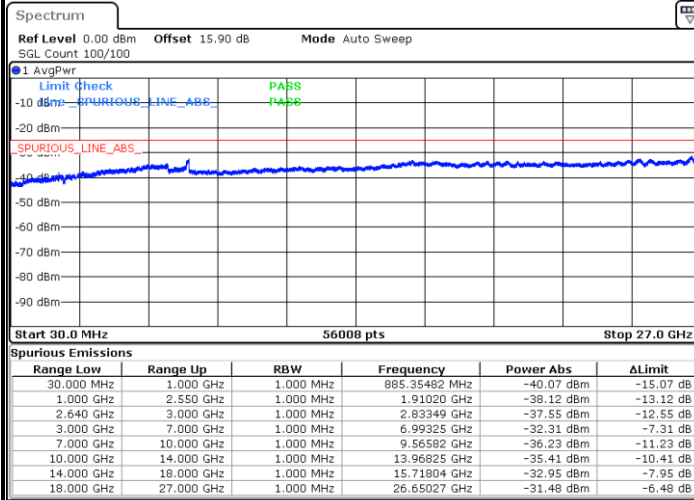


Date: 9.MAR.2020 21:01:38



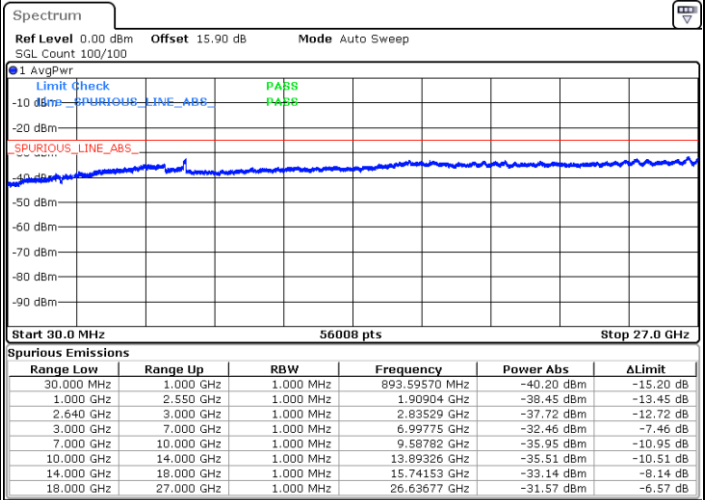
LTE Band 38(HPUE) / 15MHz

Lowest Channel / QPSK



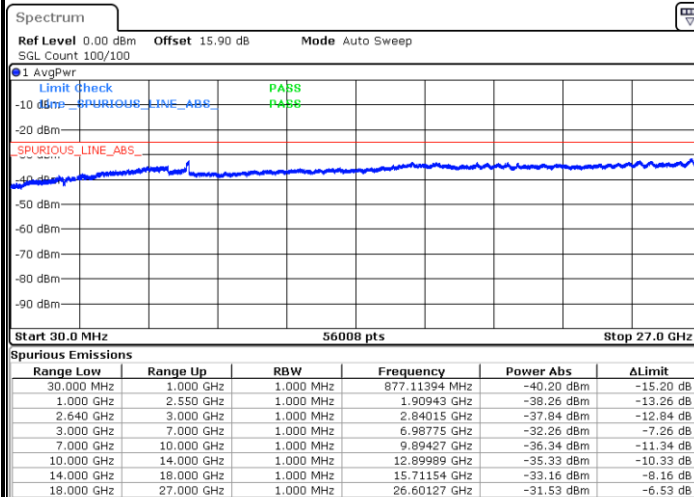
Date: 9.MAR.2020 21:03:06

Lowest Channel / 16QAM



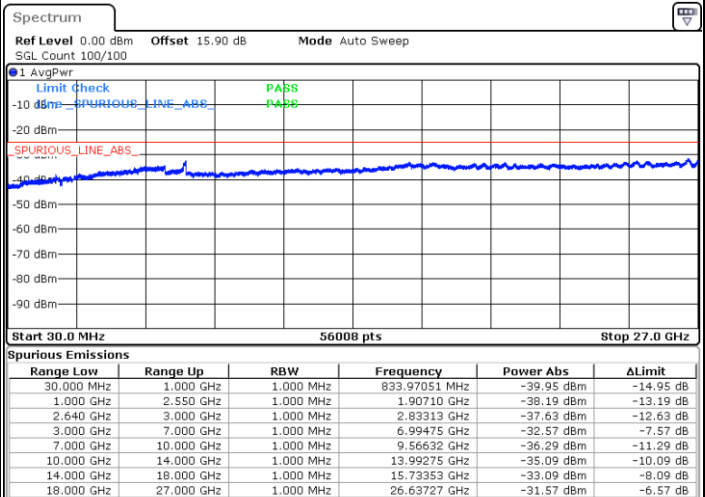
Date: 9.MAR.2020 21:04:31

Middle Channel / QPSK



Date: 9.MAR.2020 21:05:57

Middle Channel / 16QAM

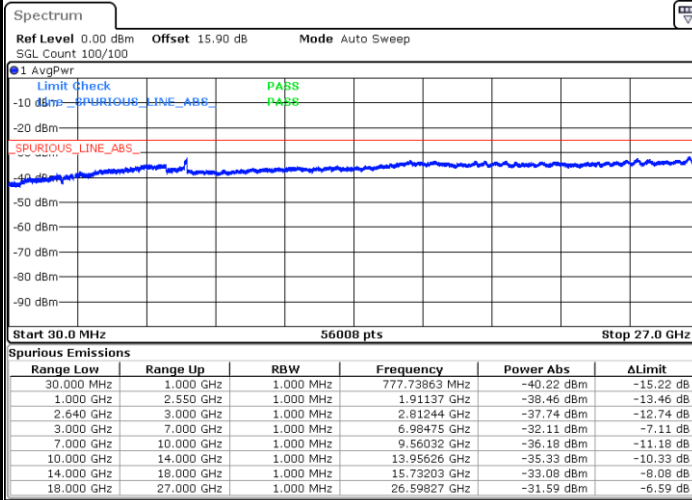


Date: 9.MAR.2020 21:07:22



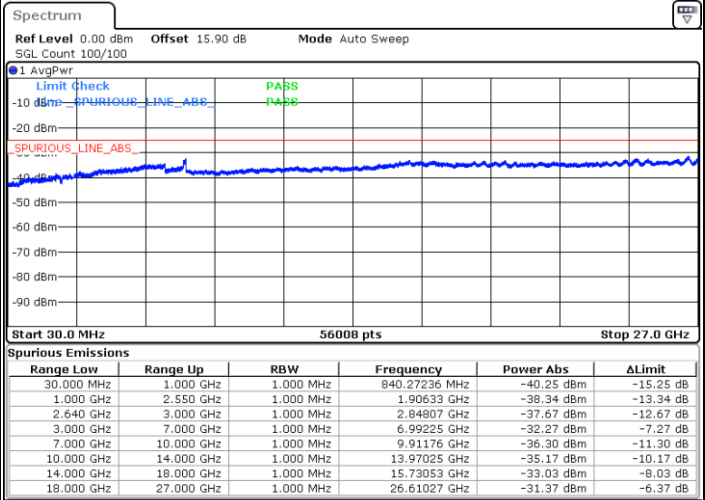
LTE Band 38(HPUE) / 15MHz

Highest Channel / QPSK



Date: 9.MAR.2020 21:08:48

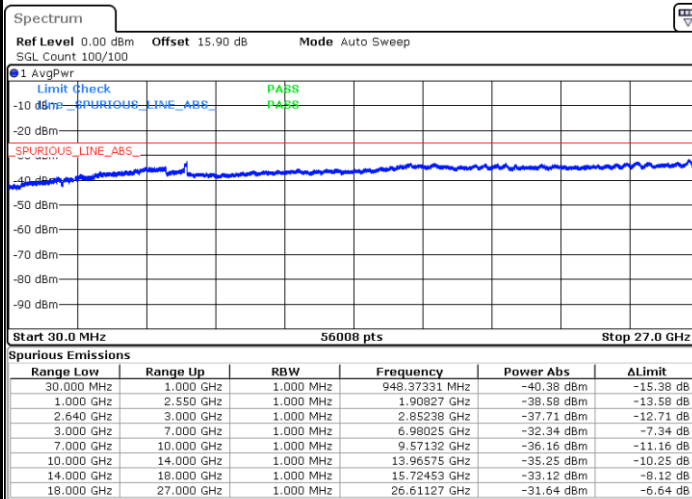
Highest Channel / 16QAM



Date: 9.MAR.2020 21:10:13

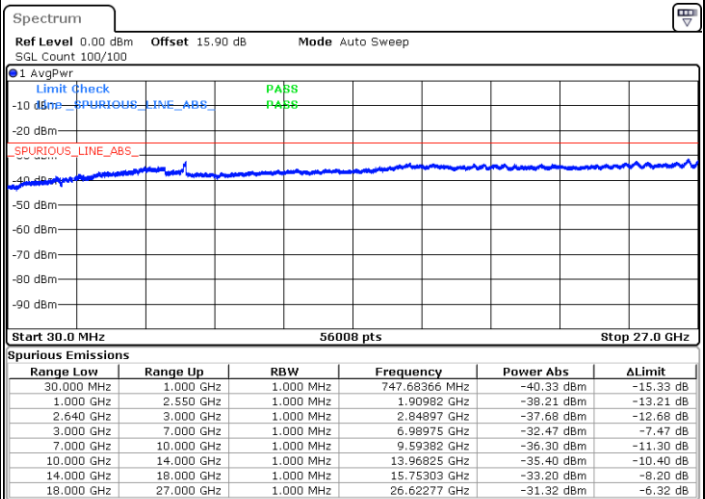
LTE Band 38(HPUE) / 20MHz

Lowest Channel / QPSK



Date: 9.MAR.2020 21:15:57

Lowest Channel / 16QAM

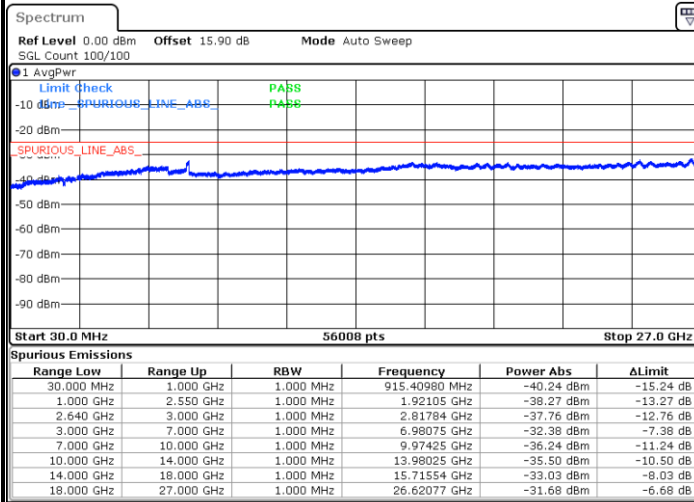


Date: 9.MAR.2020 21:17:23



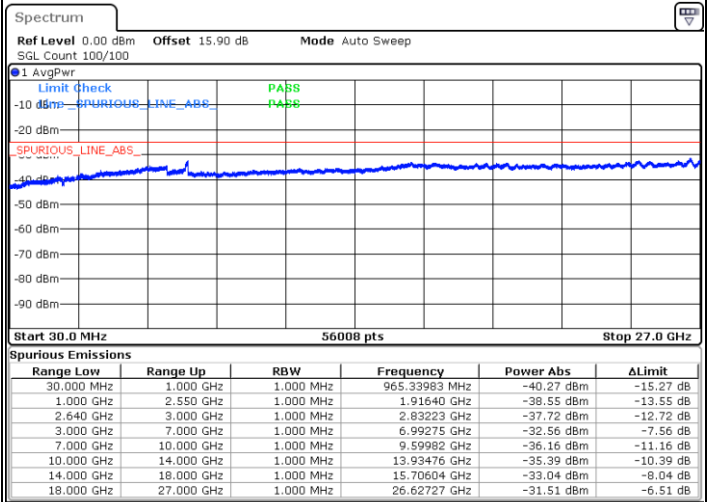
LTE Band 38(HPUE) / 20MHz

Middle Channel / QPSK



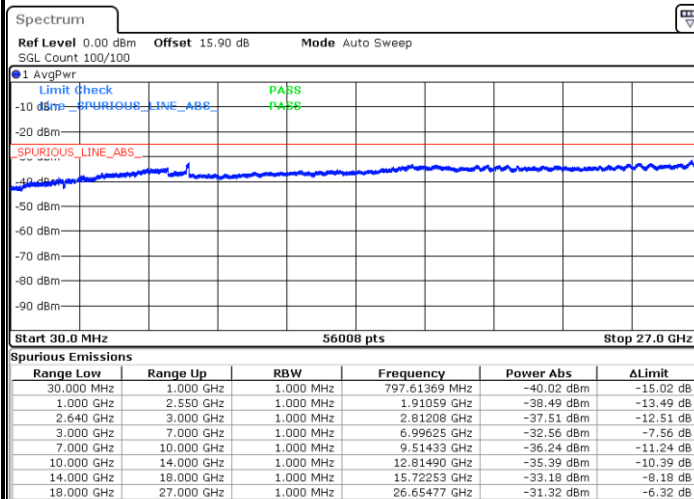
Date: 9.MAR.2020 21:18:48

Middle Channel / 16QAM



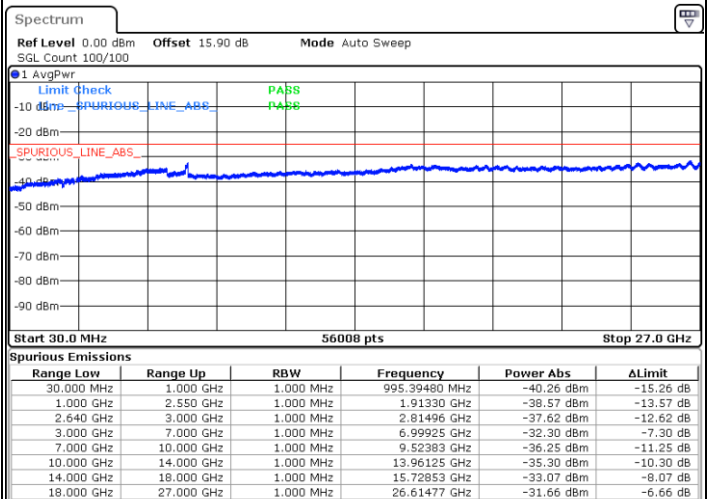
Date: 9.MAR.2020 21:20:13

Highest Channel / QPSK



Date: 9.MAR.2020 21:21:39

Highest Channel / 16QAM

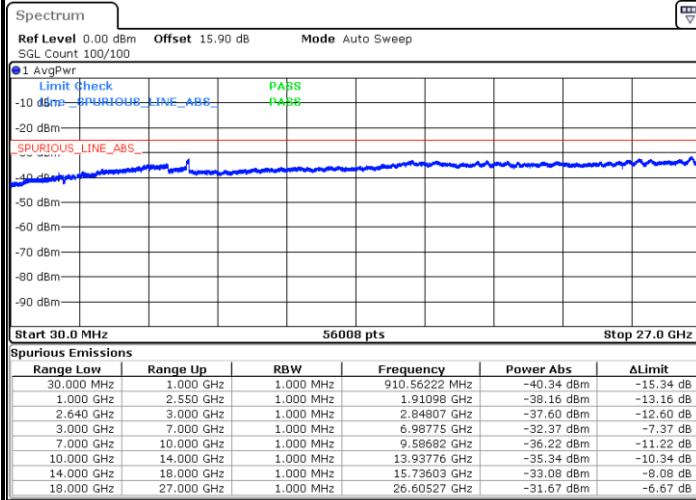


Date: 9.MAR.2020 21:23:05



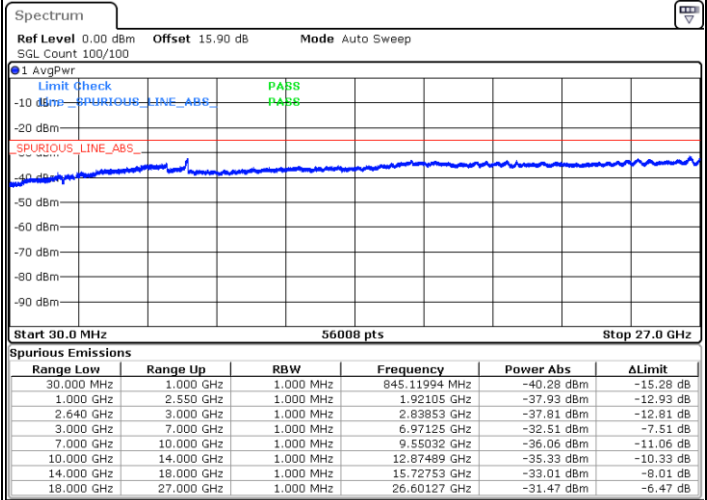
LTE Band 38(HPUE) / 5MHz

Lowest Channel / 64QAM



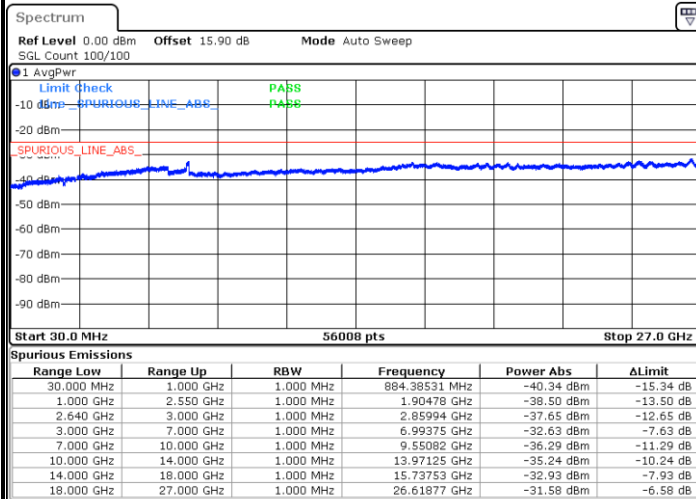
Date: 9.MAR.2020 20:37:26

Middle Channel / 64QAM



Date: 9.MAR.2020 20:38:51

Highest Channel / 64QAM

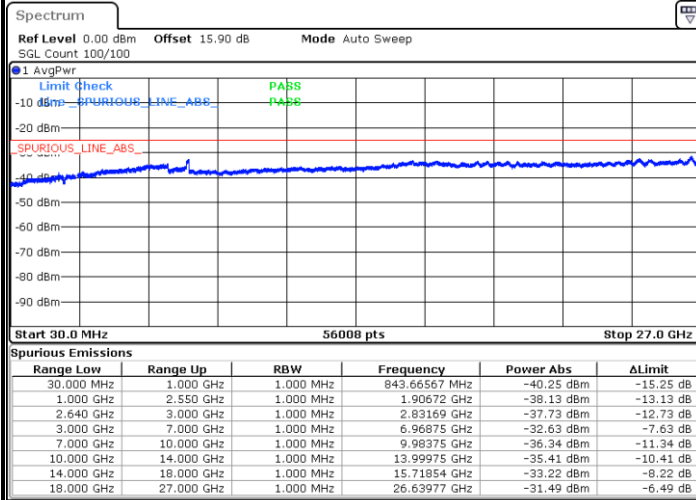


Date: 9.MAR.2020 20:40:16



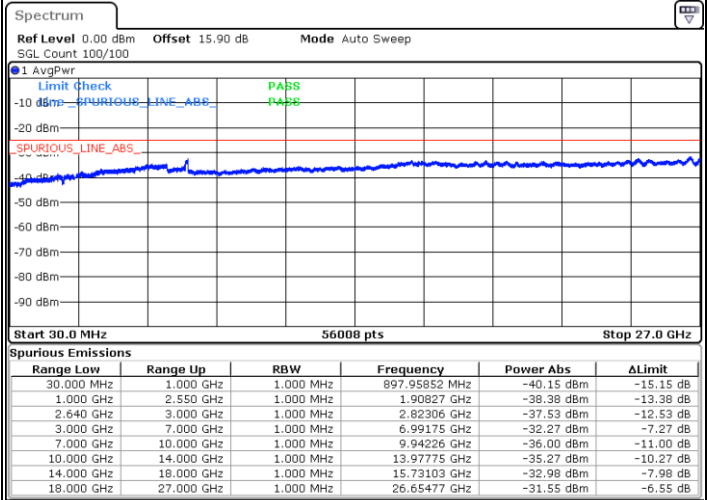
LTE Band 38(HPUE) / 10MHz

Lowest Channel / 64QAM



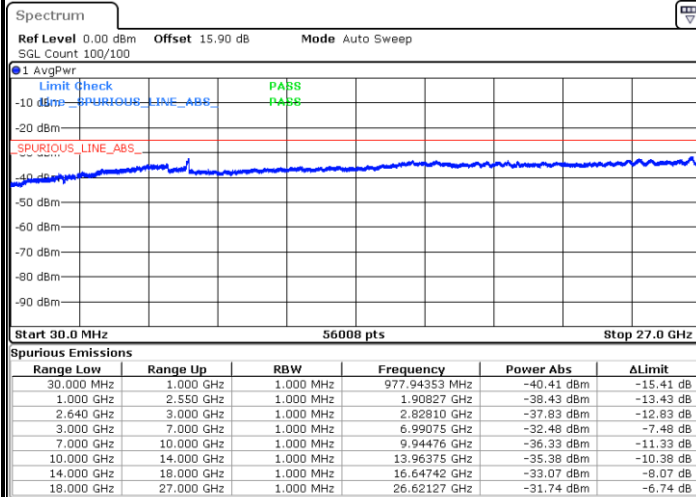
Date: 9.MAR.2020 20:50:16

Middle Channel / 64QAM



Date: 9.MAR.2020 20:51:41

Highest Channel / 64QAM

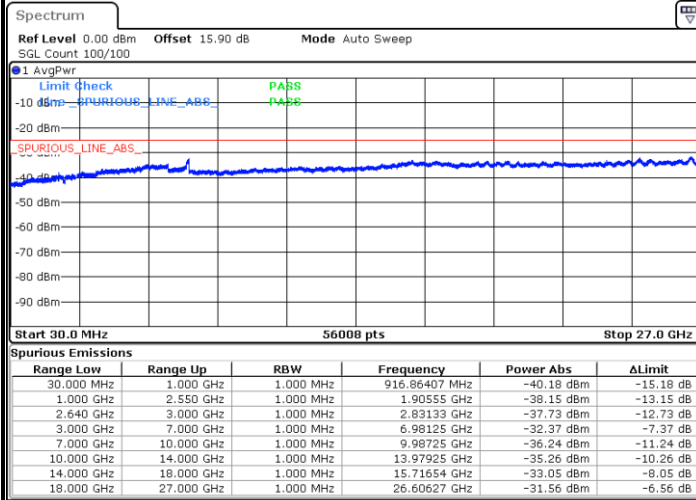


Date: 9.MAR.2020 20:53:06



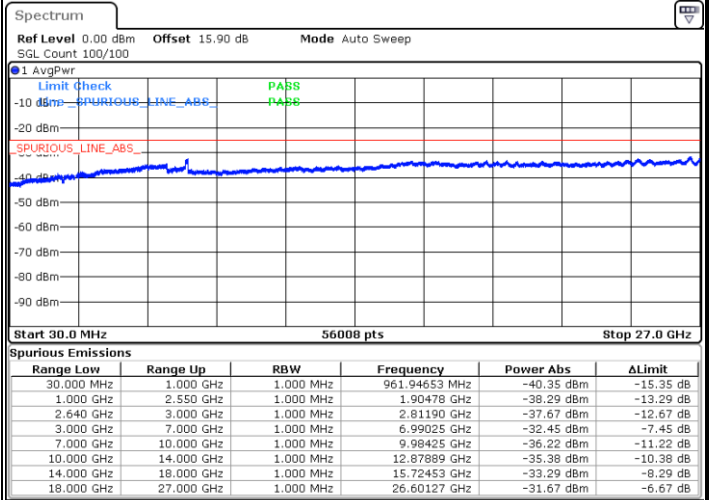
LTE Band 38(HPUE) / 15MHz

Lowest Channel / 64QAM



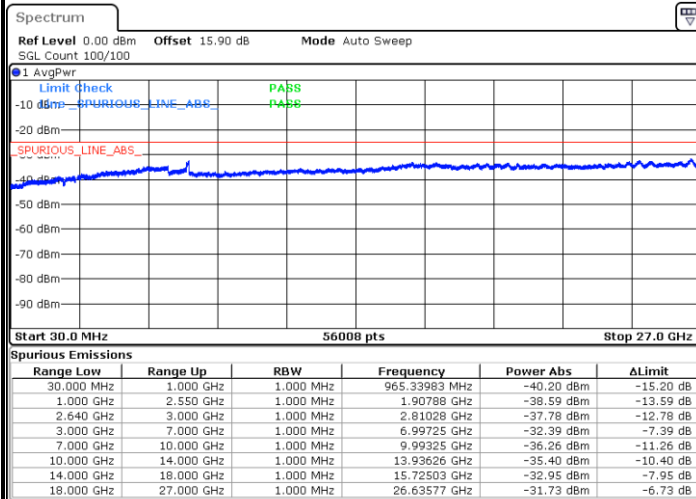
Date: 9.MAR.2020 21:11:39

Middle Channel / 64QAM



Date: 9.MAR.2020 21:13:05

Highest Channel / 64QAM

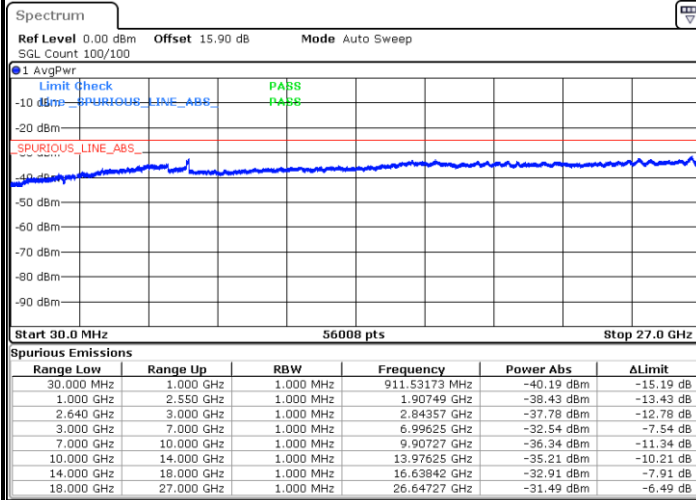


Date: 9.MAR.2020 21:14:30



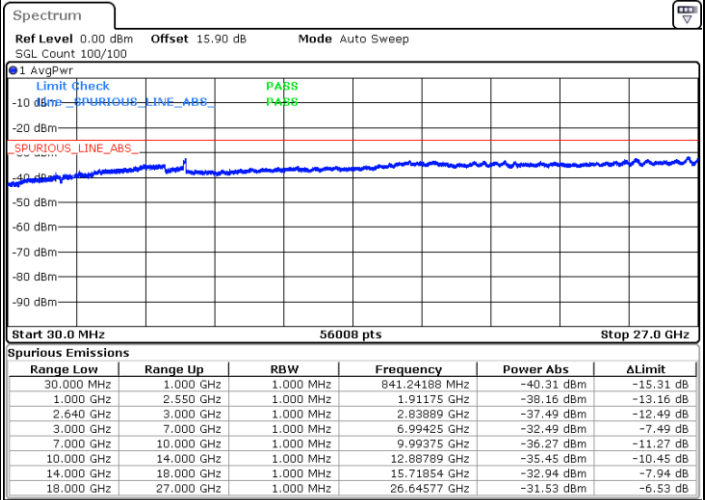
LTE Band 38(HPUE) / 20MHz

Lowest Channel / 64QAM



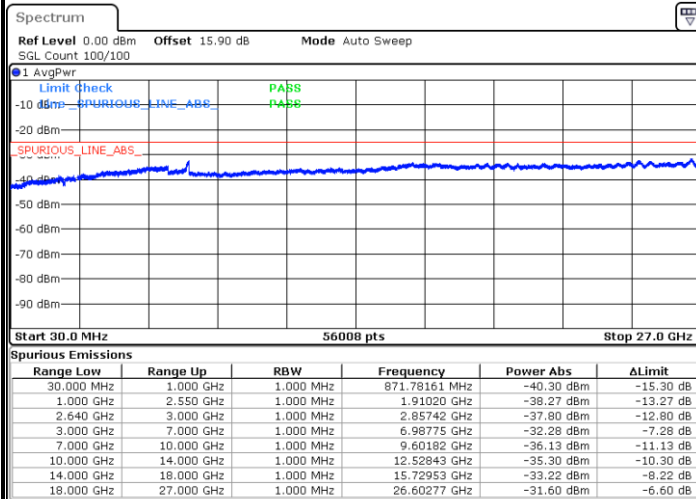
Date: 9.MAR.2020 21:24:31

Middle Channel / 64QAM



Date: 9.MAR.2020 21:25:56

Highest Channel / 64QAM



Date: 9.MAR.2020 21:27:22

Frequency Stability

Test Conditions		LTE Band 38(HPUE) (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

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 41C

26dB Bandwidth

Mode	LTE Band 41C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.68	24.98	29.85	25.18	30.51
Middle CH	24.63	24.93	29.73	25.18	30.45
Highest CH	24.78	25.08	29.85	24.98	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.90	24.83	30.09	35.04	39.80
Middle CH	34.83	24.83	29.97	34.90	39.72
Highest CH	34.83	24.88	30.15	35.04	39.72

Mode	LTE Band 41C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.63	25.13	29.97	25.08	30.63
Middle CH	24.73	24.98	29.91	24.98	30.63
Highest CH	24.63	25.08	29.97	25.08	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.83	24.83	30.09	34.90	39.64
Middle CH	34.90	24.88	29.97	35.11	39.72
Highest CH	34.76	24.83	30.03	35.04	39.88

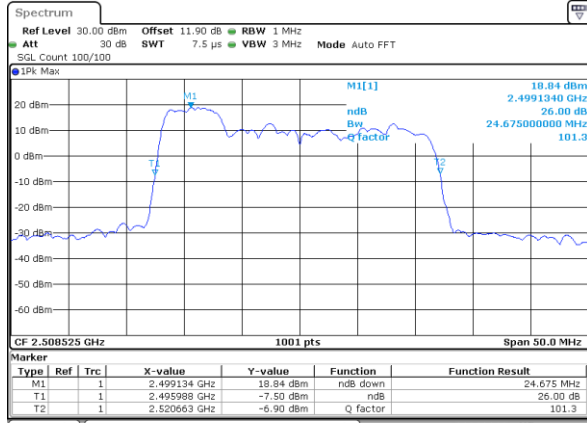
Mode	LTE Band 41C : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.58	25.08	29.85	25.18	30.63
Middle CH	24.63	25.08	29.67	25.38	30.51
Highest CH	24.68	24.98	29.79	25.13	30.45
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	24.68	30.03	34.90	39.72
Middle CH	34.83	24.88	29.91	34.90	39.80
Highest CH	34.76	24.78	30.09	34.83	39.72



LTE Band 41C

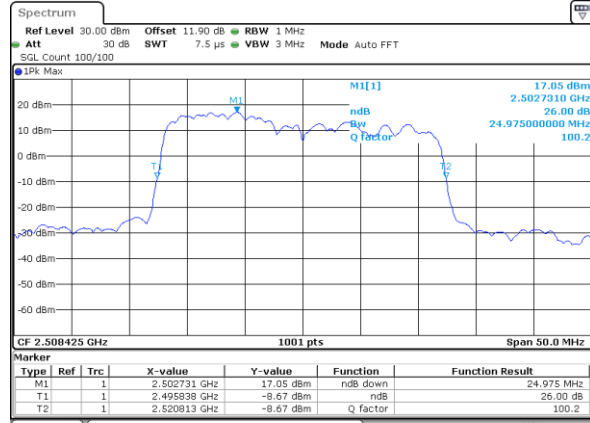
QPSK

Lowest Channel / 5MHz+20MHz



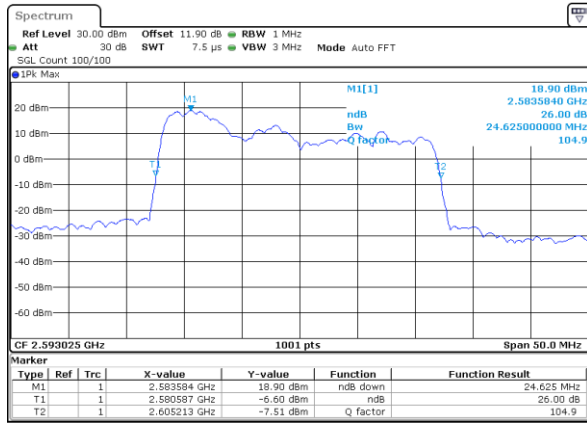
Date: 14.FEB.2020 09:23:57

Lowest Channel / 10MHz+15MHz



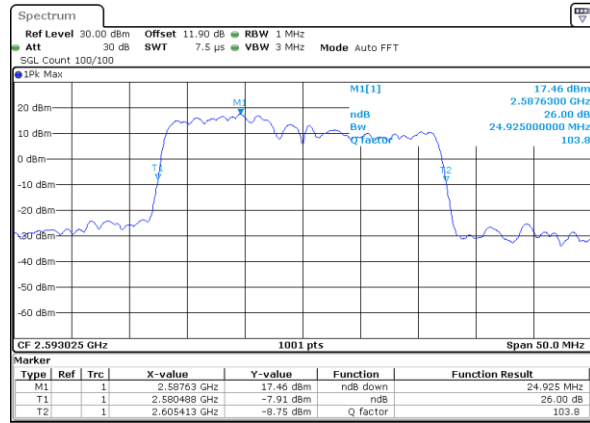
Date: 14.FEB.2020 06:57:53

Middle Channel / 5MHz+20MHz



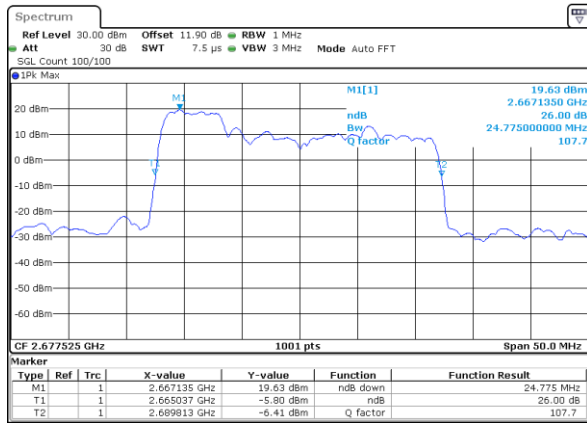
Date: 14.FEB.2020 09:27:09

Middle Channel / 10MHz+15MHz



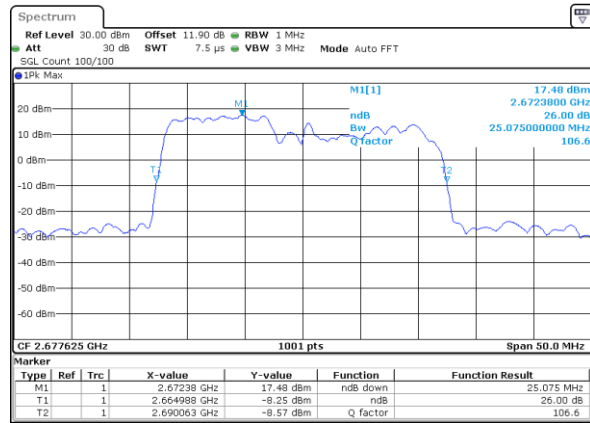
Date: 14.FEB.2020 07:02:21

Highest Channel / 5MHz+20MHz



Date: 14.FEB.2020 09:19:31

Highest Channel / 10MHz+15MHz



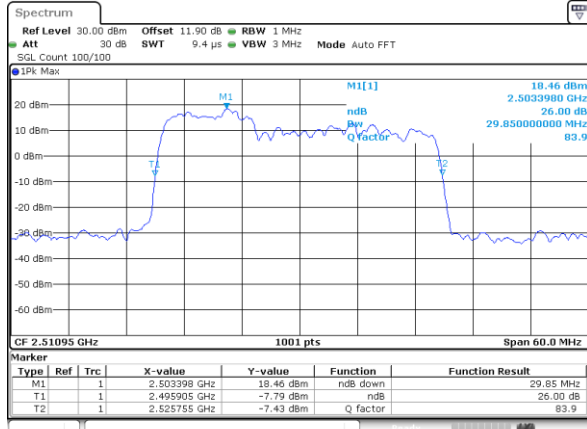
Date: 14.FEB.2020 07:43:43



LTE Band 41C

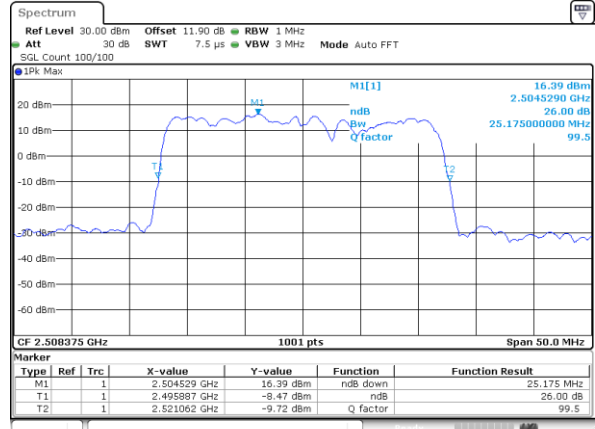
QPSK

Lowest Channel / 10MHz+20MHz



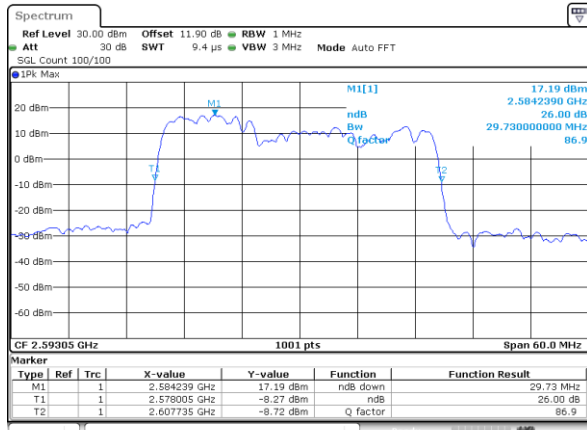
Date: 14.FEB.2020 17:14:56

Lowest Channel / 15MHz+10MHz



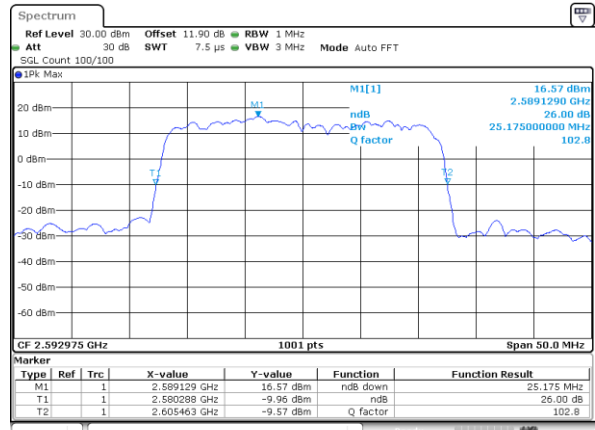
Date: 14.FEB.2020 07:48:30

Middle Channel / 10MHz+20MHz



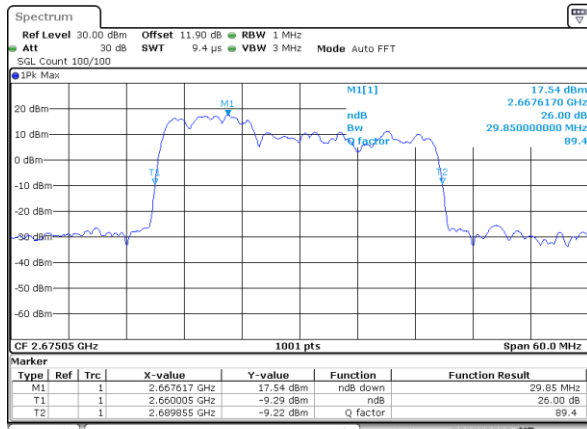
Date: 15.FEB.2020 05:02:29

Middle Channel / 15MHz+10MHz



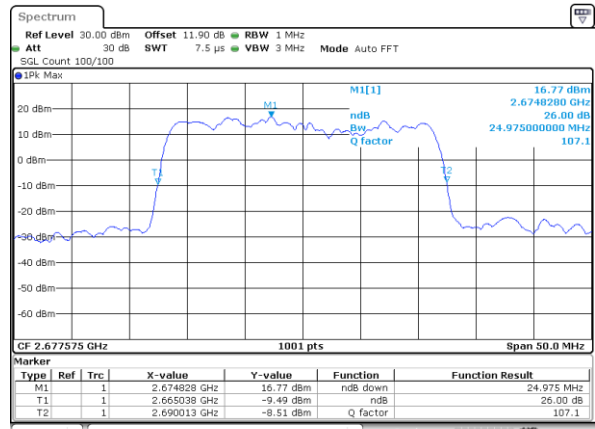
Date: 14.FEB.2020 08:42:03

Highest Channel / 10MHz+20MHz



Date: 15.FEB.2020 05:44:28

Highest Channel / 15MHz+10MHz



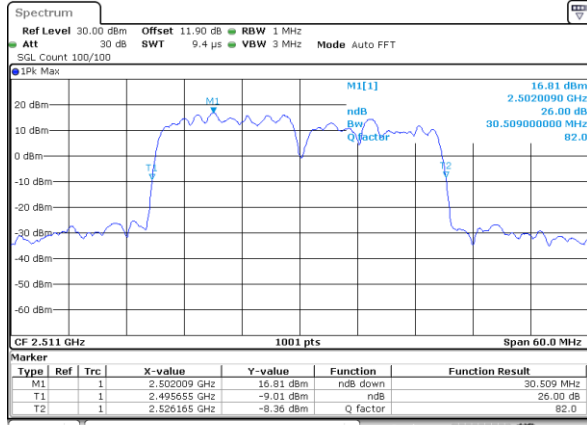
Date: 14.FEB.2020 08:44:46



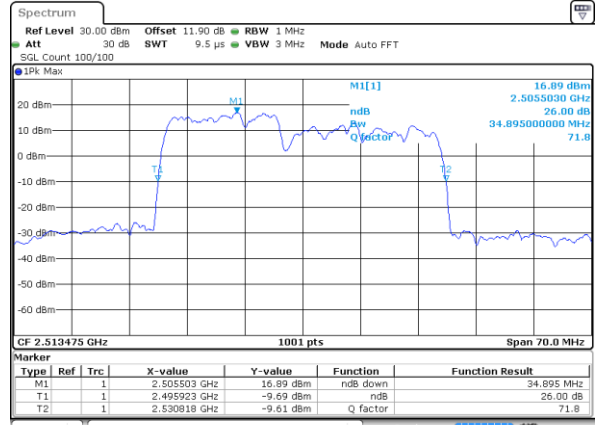
LTE Band 41C

QPSK

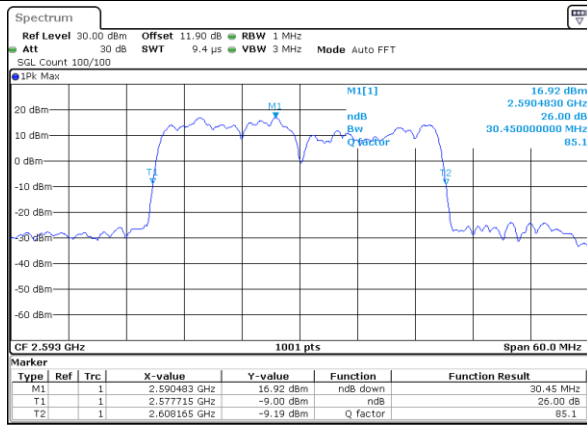
Lowest Channel / 15MHz+15MHz



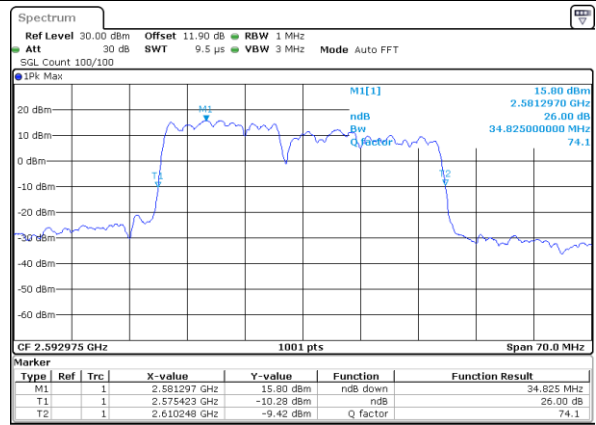
Lowest Channel / 15MHz+20MHz



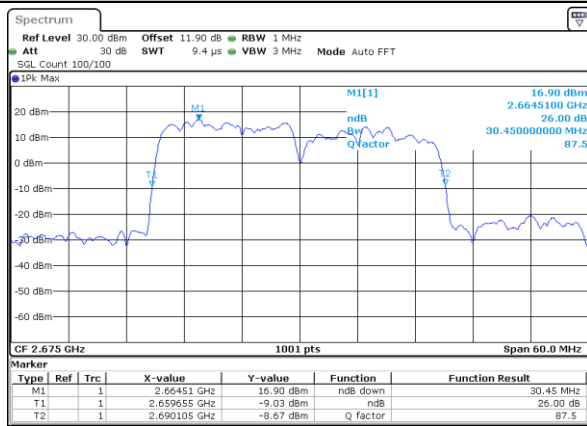
Middle Channel / 15MHz+15MHz



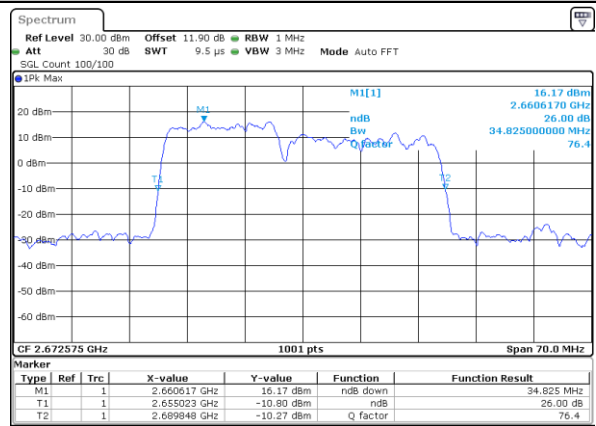
Middle Channel / 15MHz+20MHz



Highest Channel / 15MHz+15MHz



Highest Channel / 15MHz+20MHz

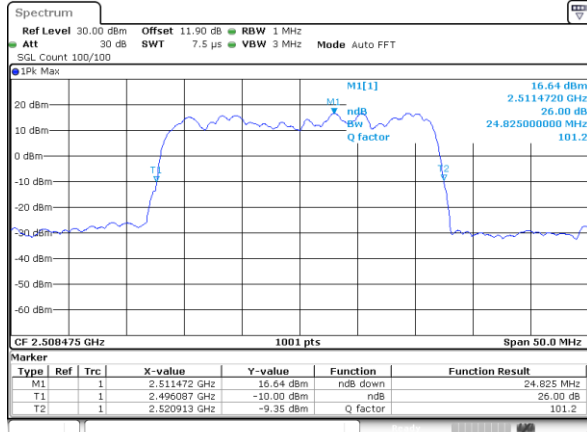




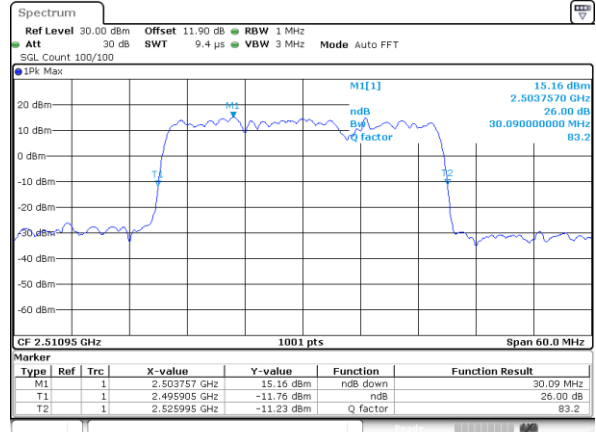
LTE Band 41C

QPSK

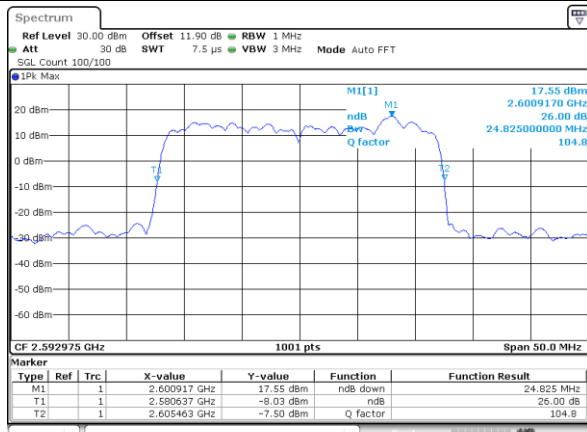
Lowest Channel / 20MHz+5MHz



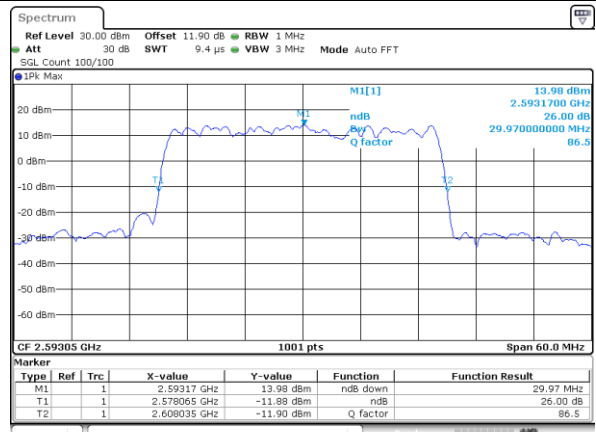
Lowest Channel / 20MHz+10MHz



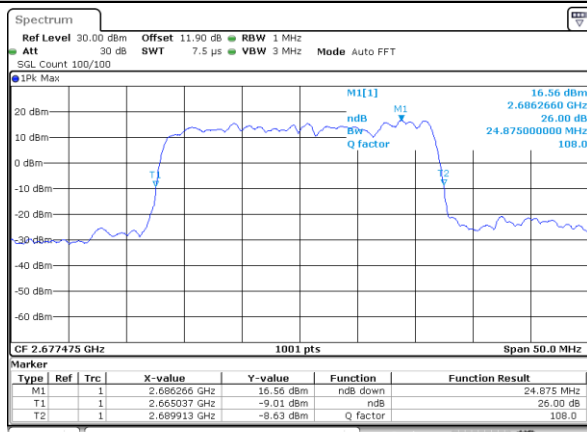
Middle Channel / 20MHz+5MHz



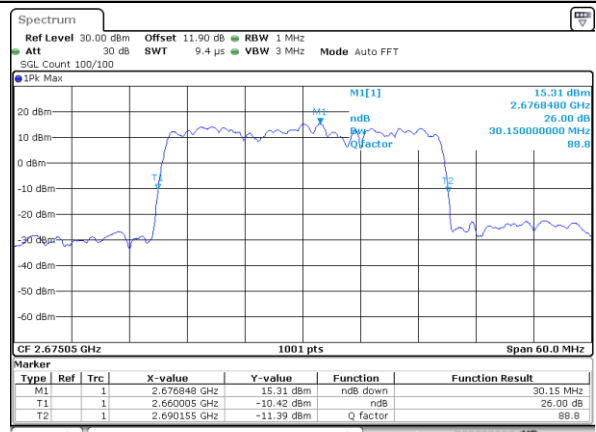
Middle Channel / 20MHz+10MHz



Highest Channel / 20MHz+5MHz



Highest Channel / 20MHz+10MHz

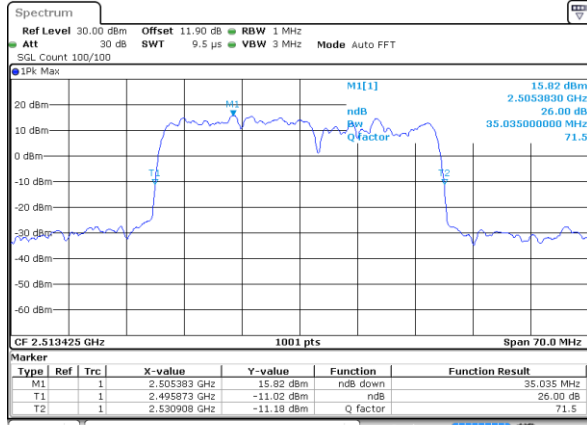




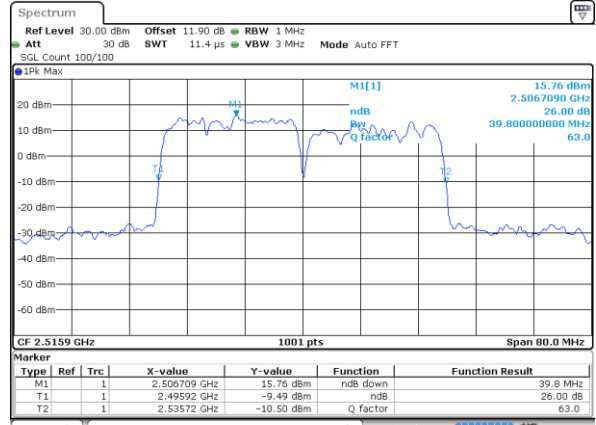
LTE Band 41C

QPSK

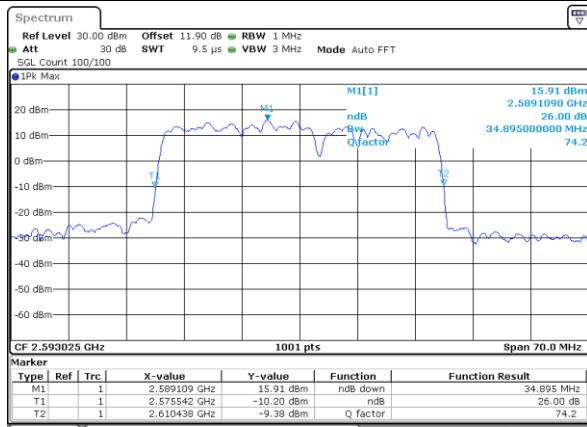
Lowest Channel / 20MHz+15MHz



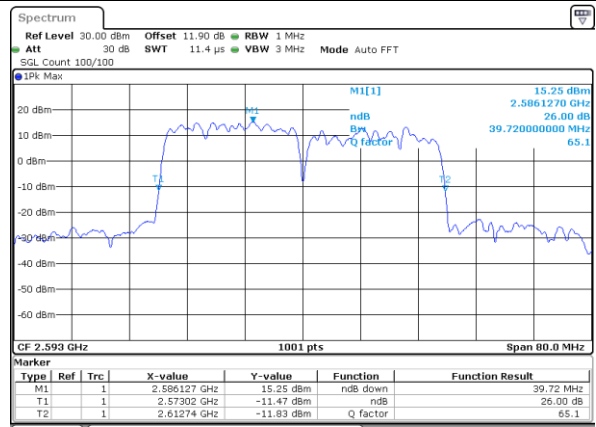
Lowest Channel / 20MHz+20MHz



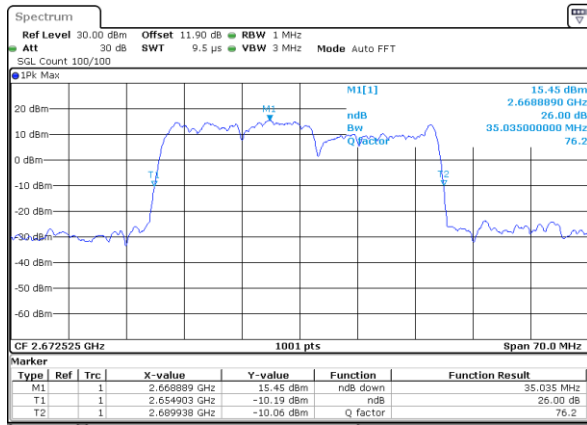
Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



Highest Channel / 20MHz+15MHz



Highest Channel / 20MHz+20MHz

