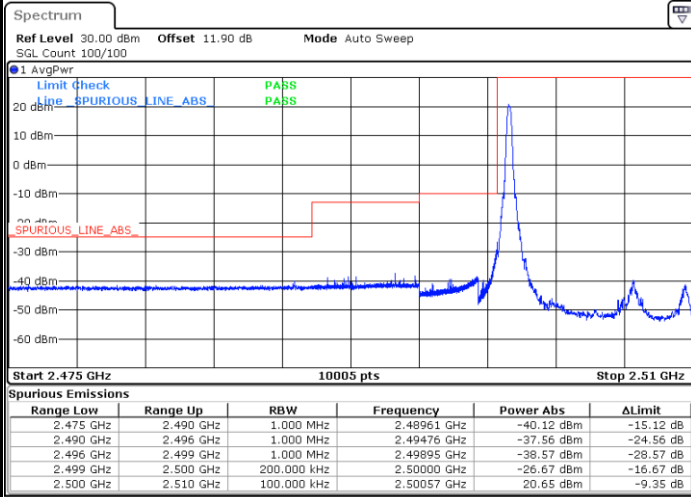




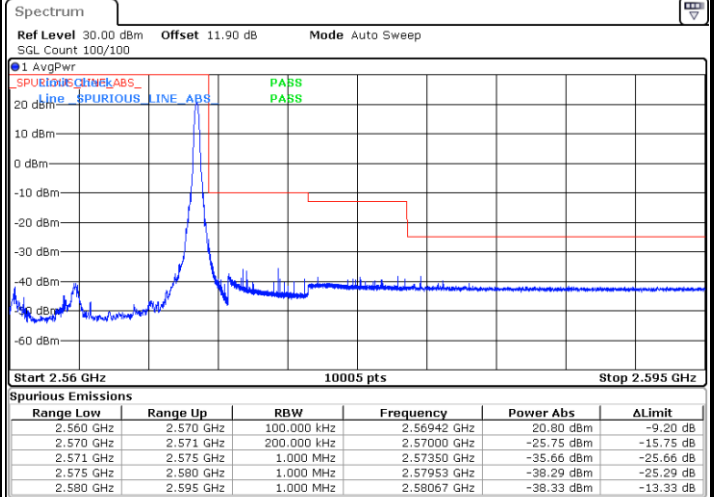
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



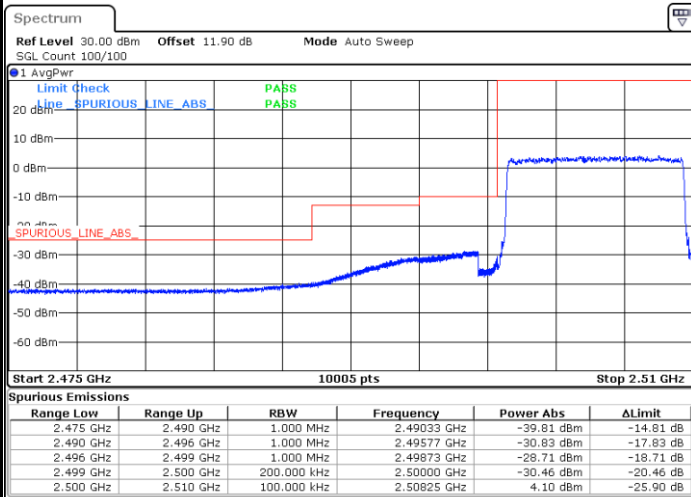
Date: 1.MAR.2020 18:08:20

Highest Band Edge / 1 RB



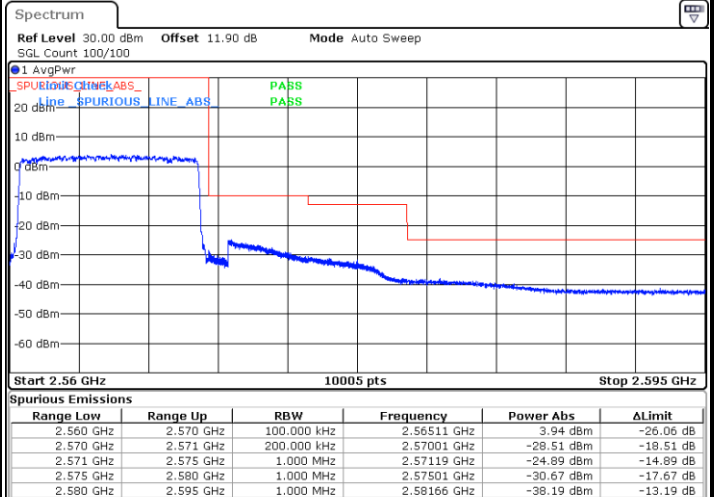
Date: 1.MAR.2020 18:16:12

Lowest Band Edge / Full RB



Date: 1.MAR.2020 18:09:44

Highest Band Edge / Full RB



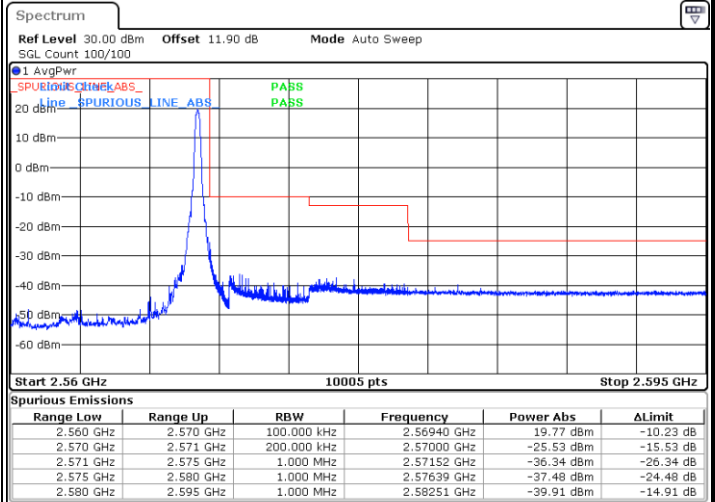
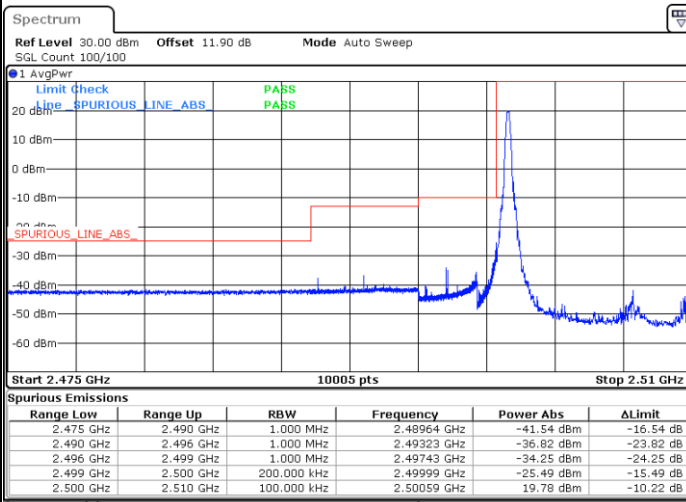
Date: 1.MAR.2020 18:17:36



LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

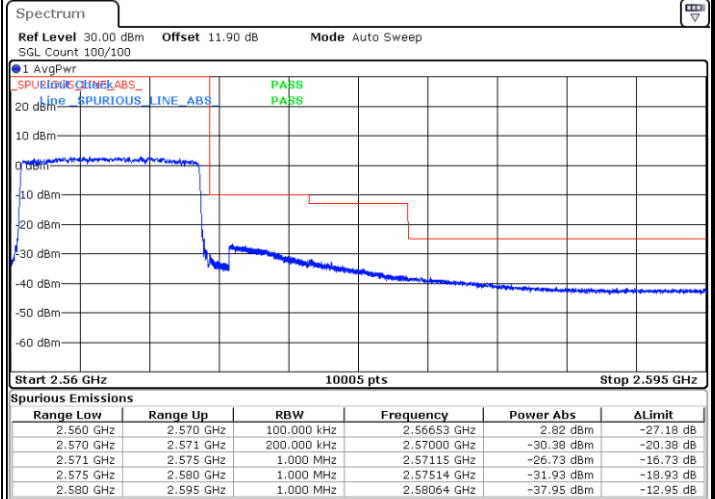
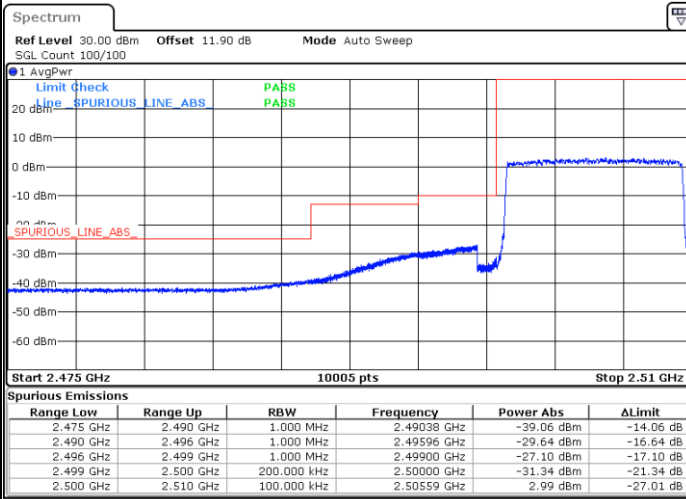


Date: 1.MAR.2020 18:09:02

Date: 1.MAR.2020 18:16:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



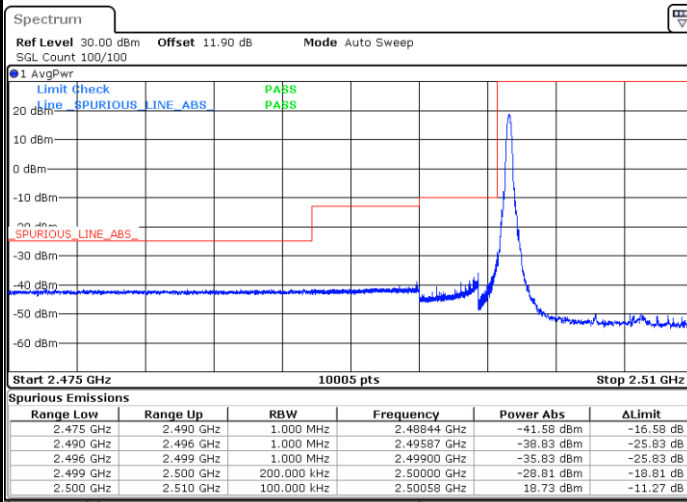
Date: 1.MAR.2020 18:10:26

Date: 1.MAR.2020 18:18:18



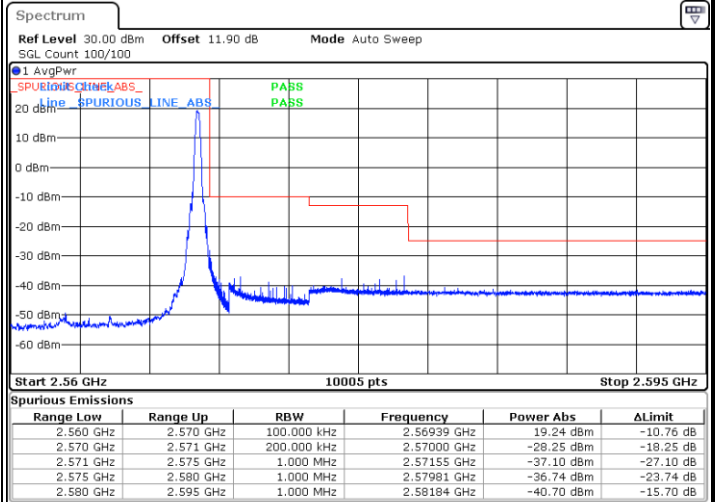
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



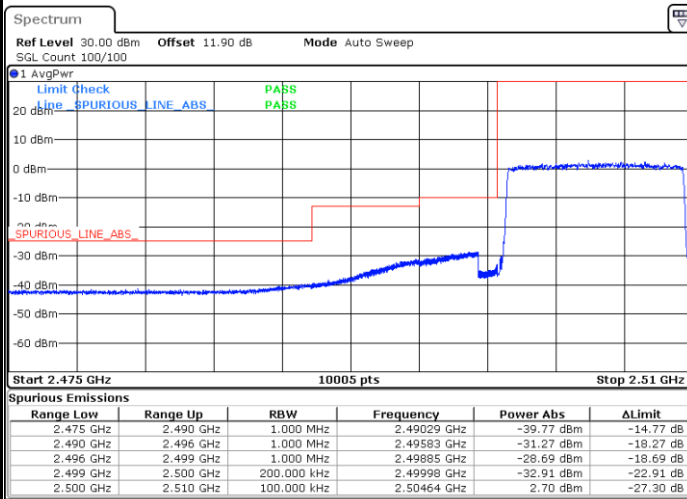
Date: 1.MAR.2020 18:21:05

Highest Band Edge / 1 RB



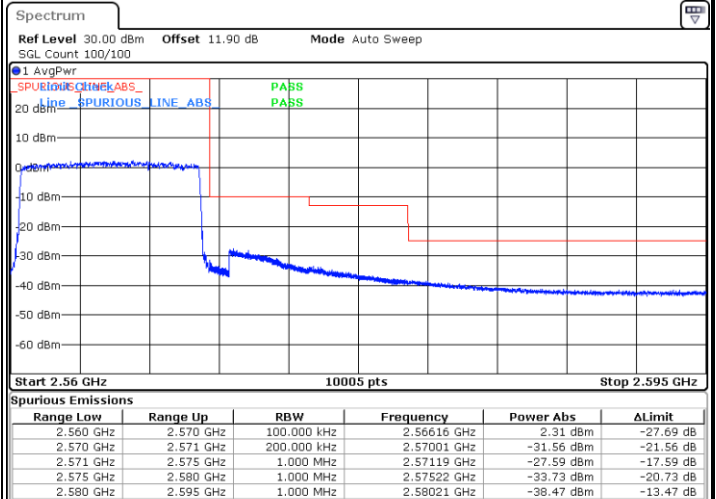
Date: 1.MAR.2020 18:25:00

Lowest Band Edge / Full RB



Date: 1.MAR.2020 18:21:47

Highest Band Edge / Full RB



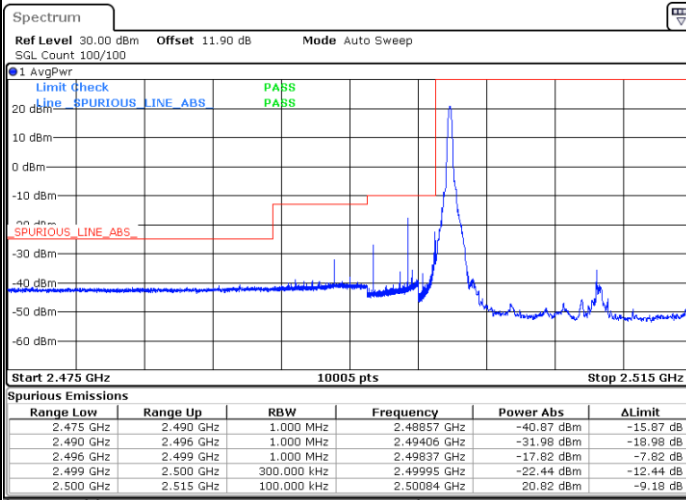
Date: 1.MAR.2020 18:25:42



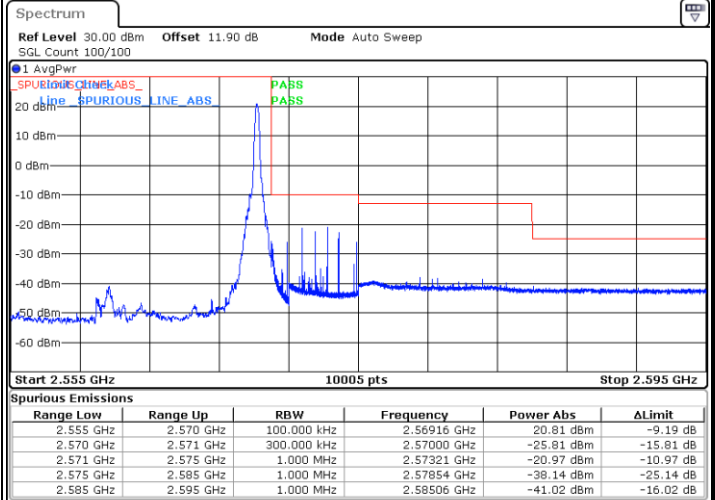
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



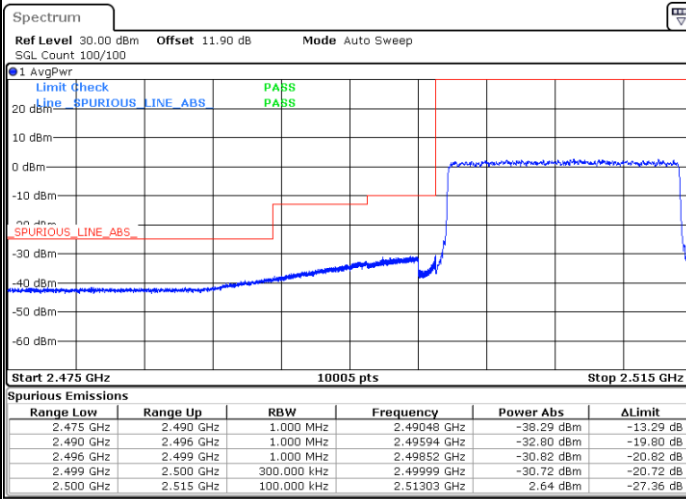
Date: 1.MAR.2020 18:28:09



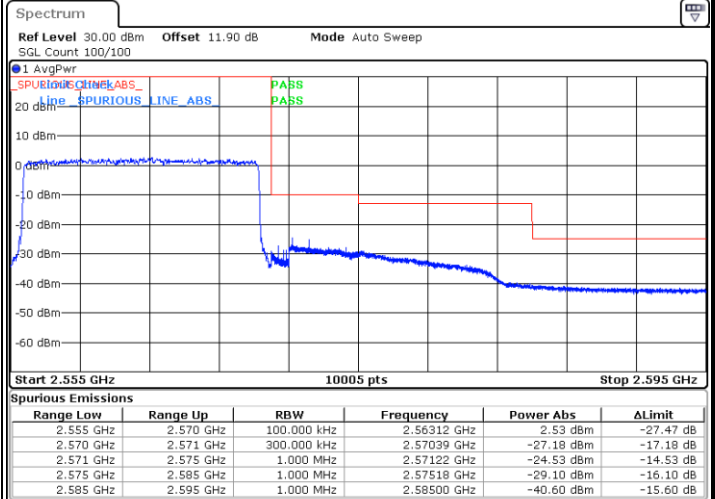
Date: 1.MAR.2020 18:36:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2020 18:29:34

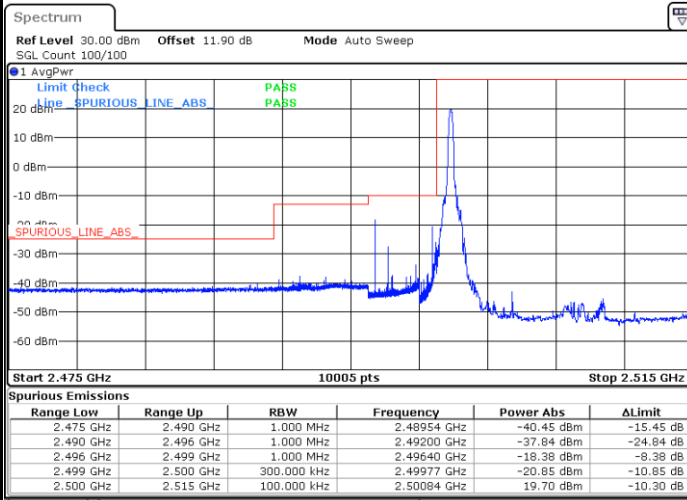


Date: 1.MAR.2020 18:37:25



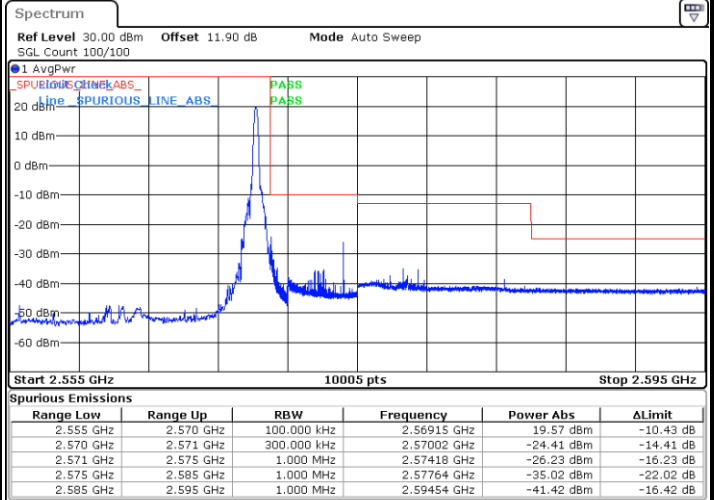
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



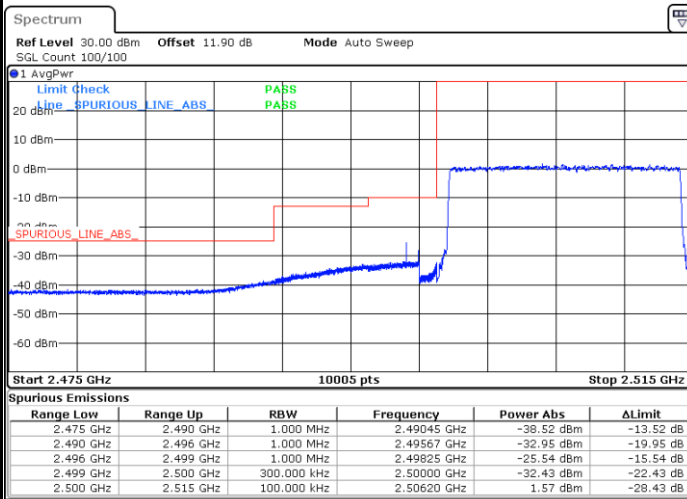
Date: 1.MAR.2020 18:28:51

Highest Band Edge / 1 RB



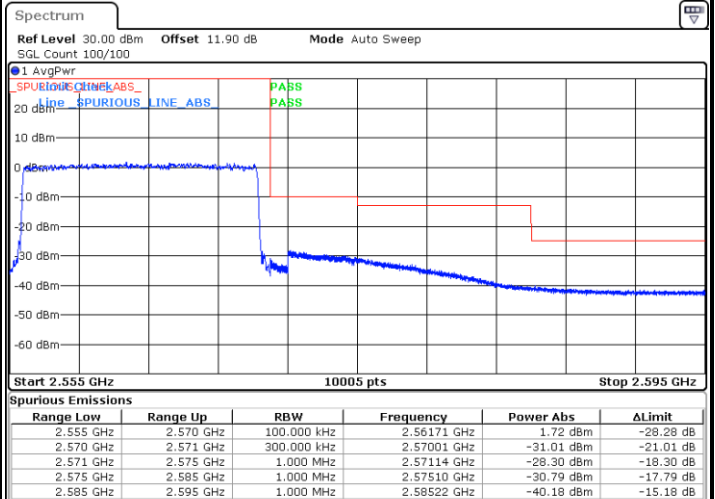
Date: 1.MAR.2020 18:36:43

Lowest Band Edge / Full RB



Date: 1.MAR.2020 18:30:16

Highest Band Edge / Full RB

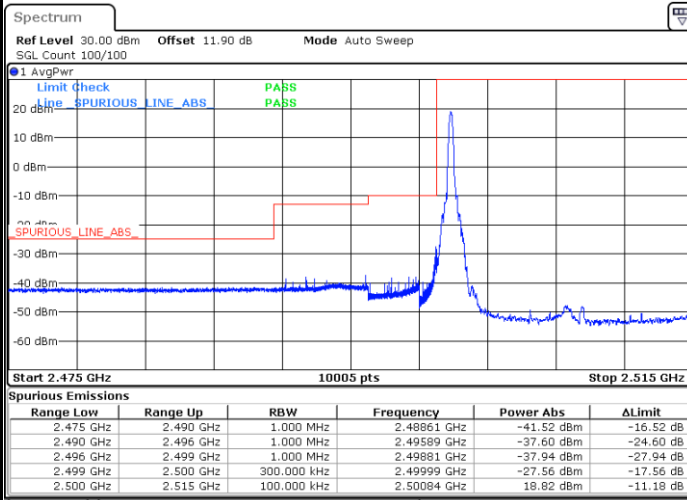


Date: 1.MAR.2020 18:38:07



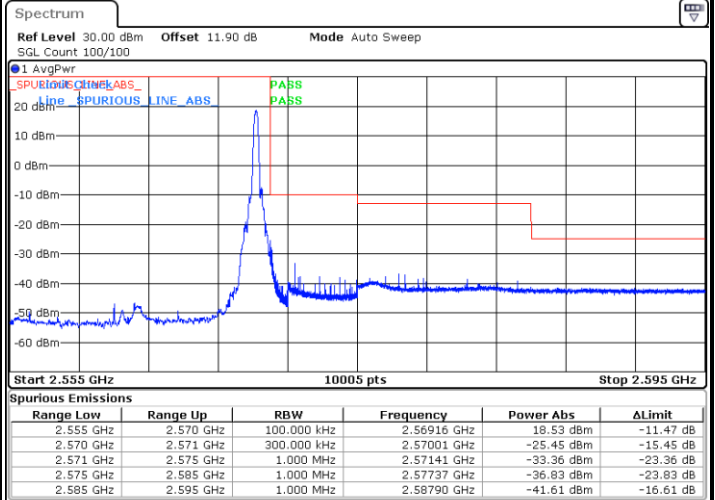
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



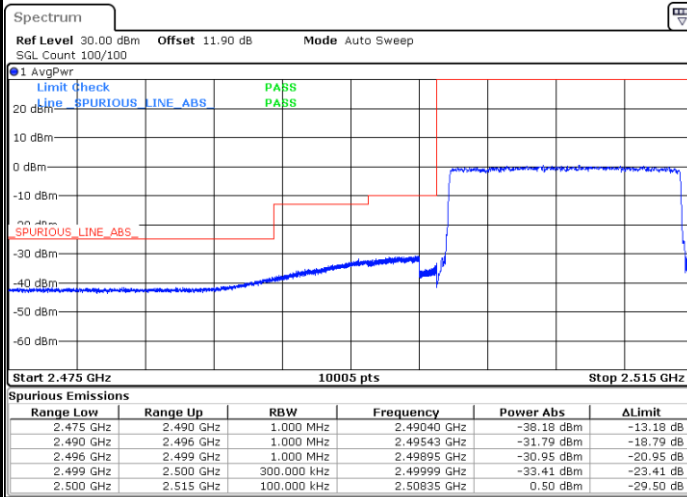
Date: 1.MAR.2020 18:40:55

Highest Band Edge / 1 RB



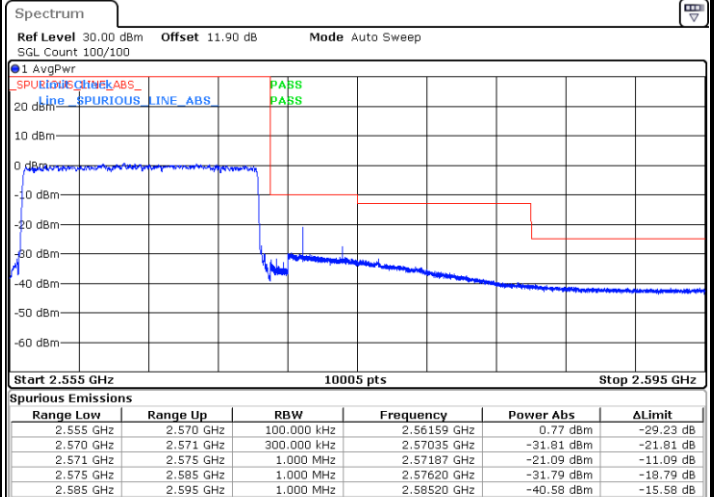
Date: 1.MAR.2020 18:44:50

Lowest Band Edge / Full RB



Date: 1.MAR.2020 18:41:37

Highest Band Edge / Full RB

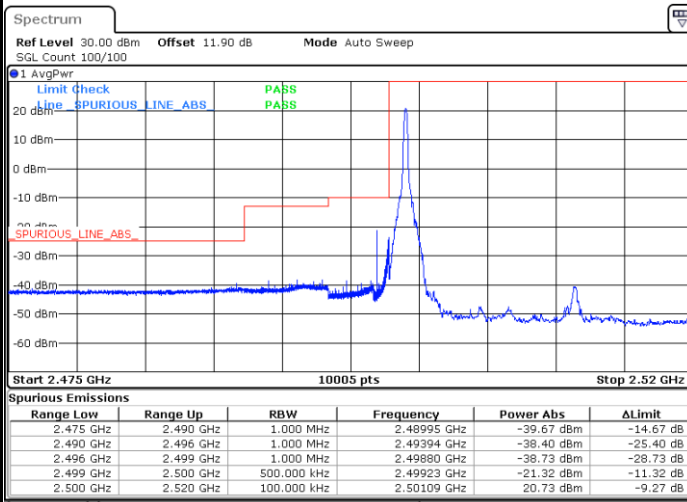


Date: 1.MAR.2020 18:45:32



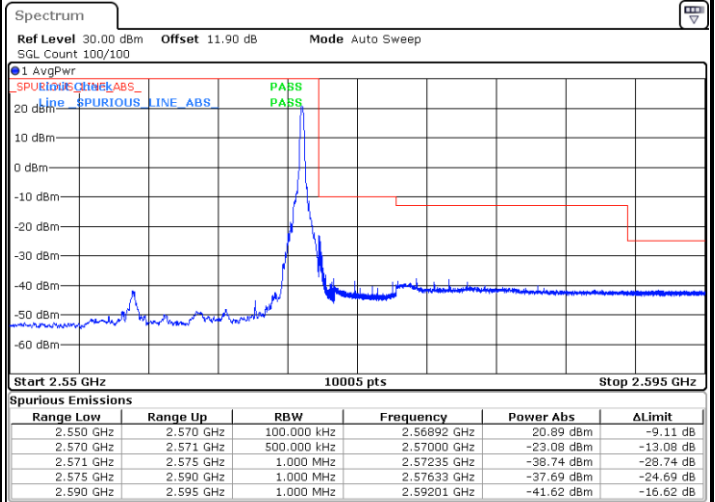
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



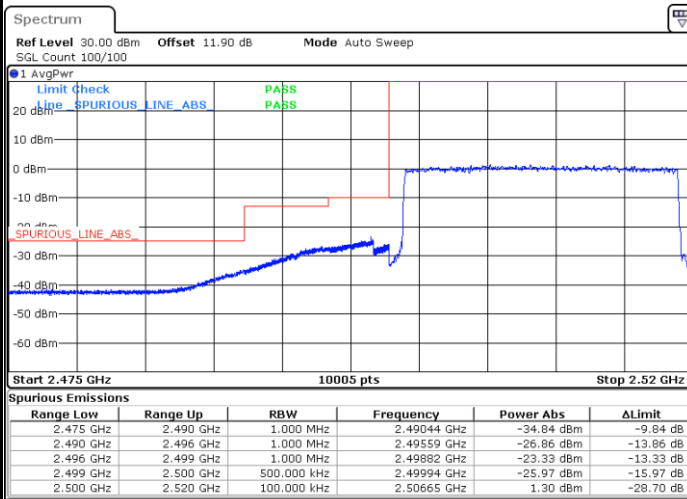
Date: 1.MAR.2020 18:47:59

Highest Band Edge / 1 RB



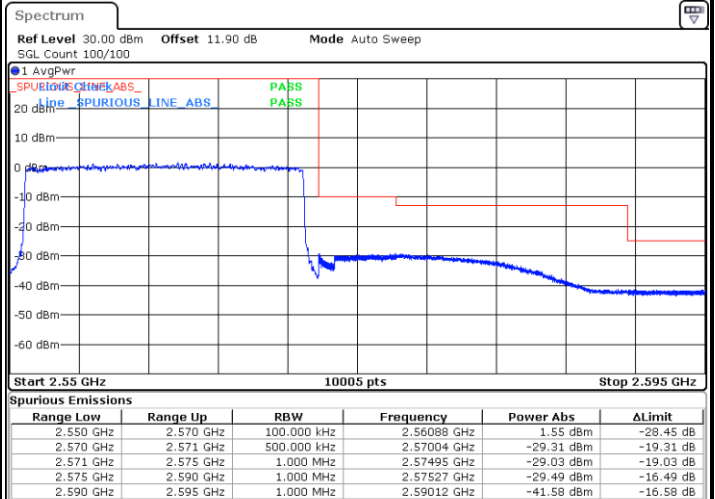
Date: 1.MAR.2020 18:55:51

Lowest Band Edge / Full RB



Date: 1.MAR.2020 18:49:24

Highest Band Edge / Full RB

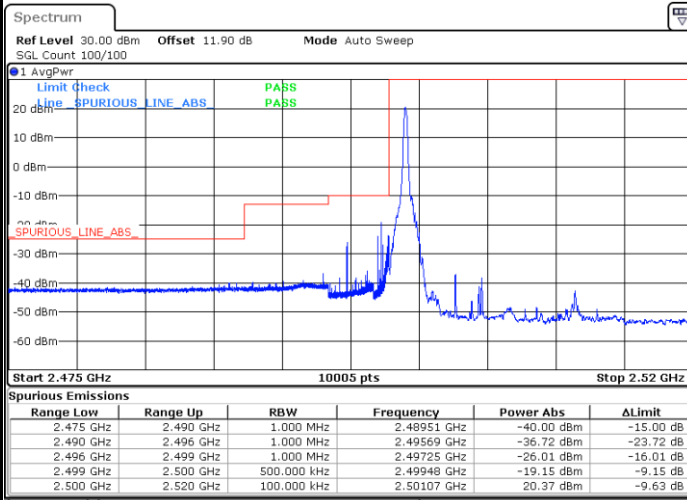


Date: 1.MAR.2020 18:57:57



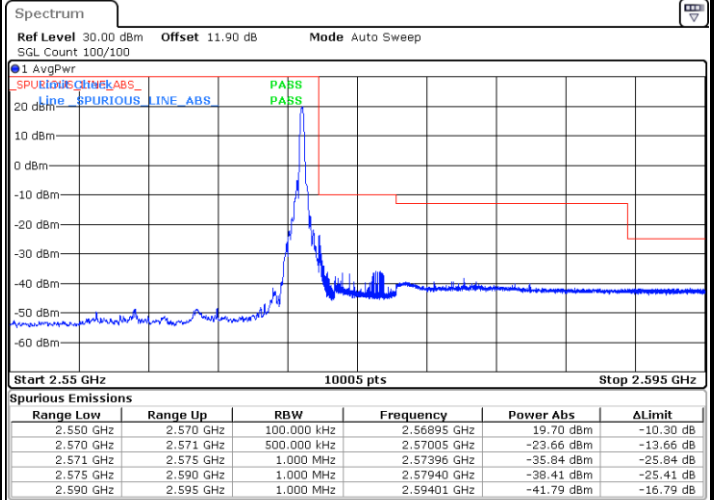
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1RB



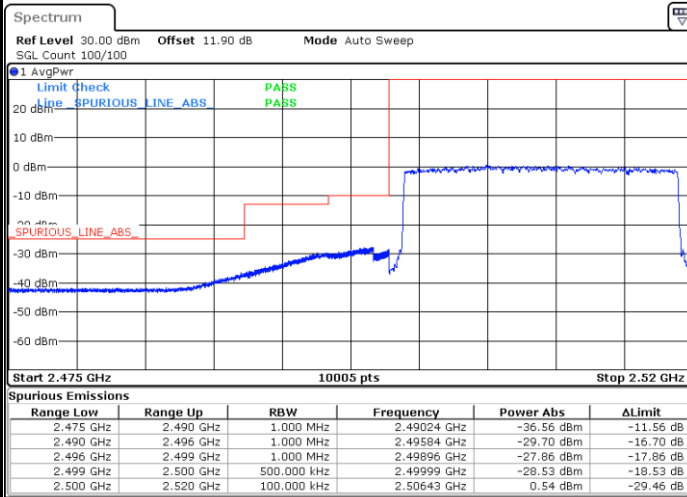
Date: 1.MAR.2020 18:48:41

Highest Band Edge / 1RB



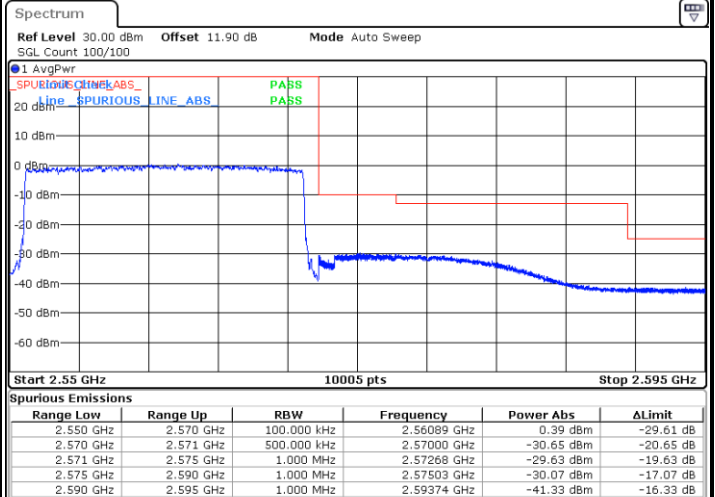
Date: 1.MAR.2020 18:56:33

Lowest Band Edge / Full RB



Date: 1.MAR.2020 18:50:06

Highest Band Edge / Full RB

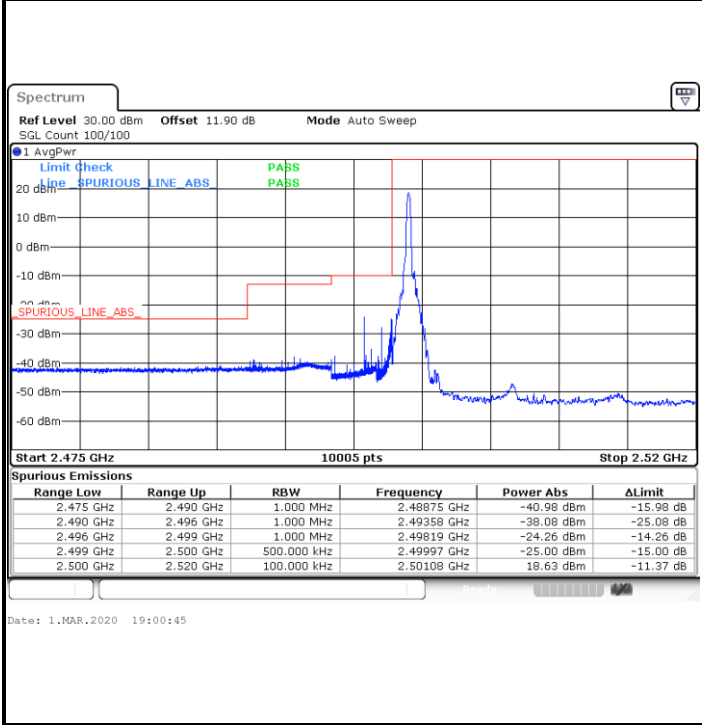


Date: 1.MAR.2020 18:57:15

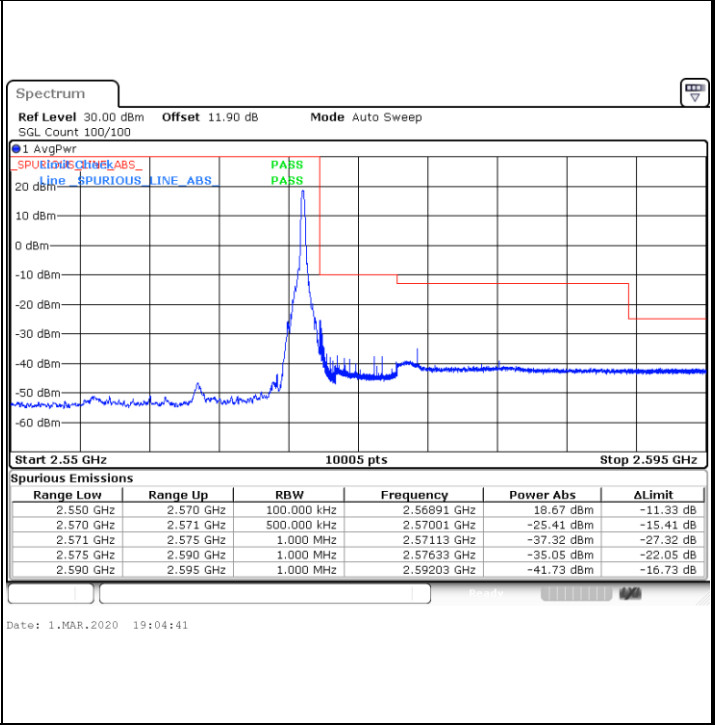


LTE Band 7 / 20MHz / 64QAM

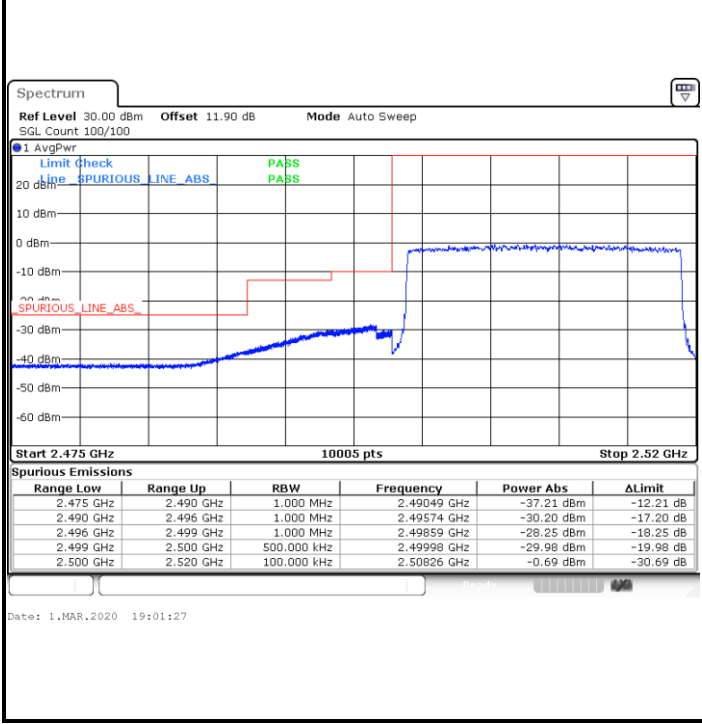
Lowest Band Edge / 1 RB



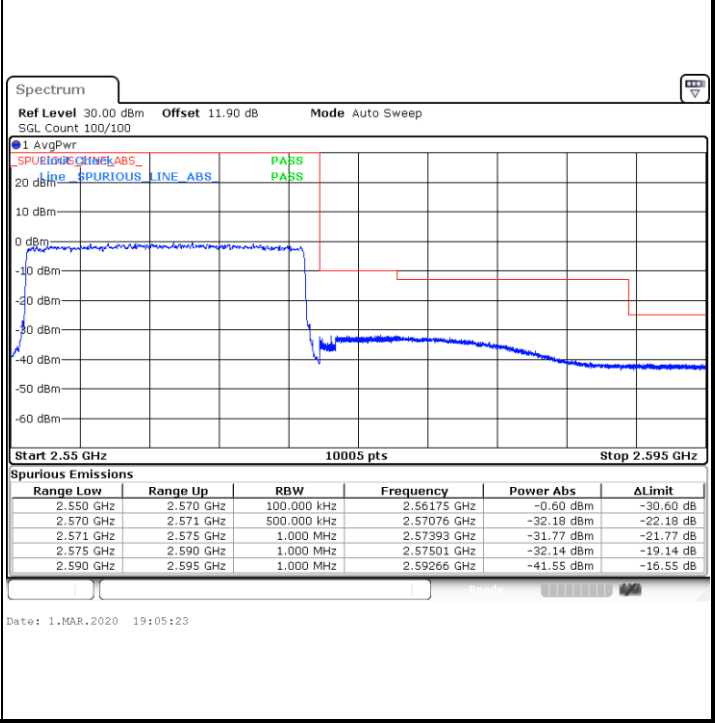
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

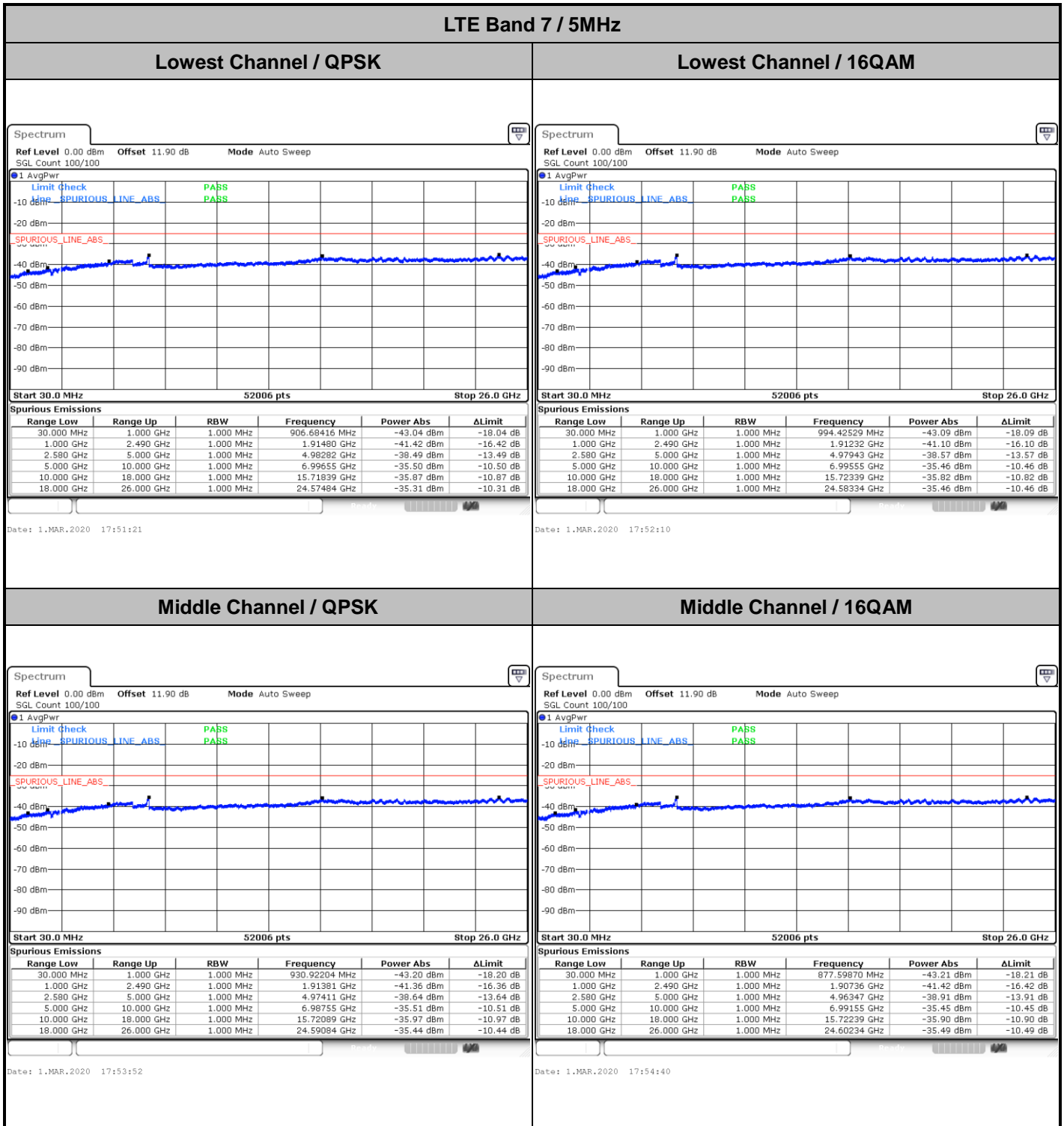


Highest Band Edge / Full RB





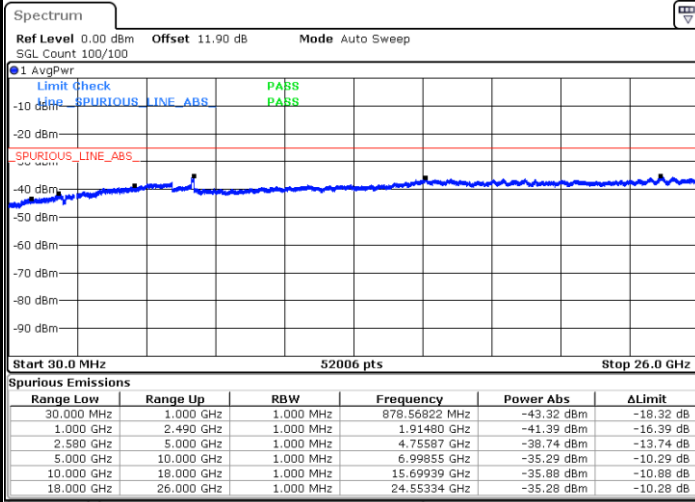
Conducted Spurious Emission





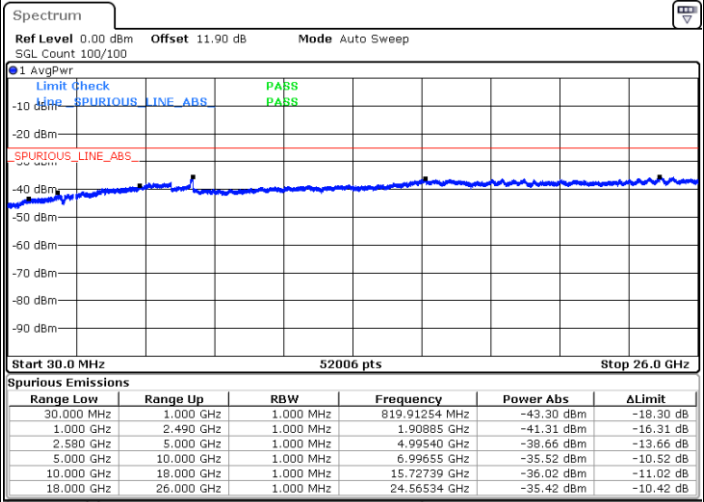
LTE Band 7 / 5MHz

Highest Channel / QPSK



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

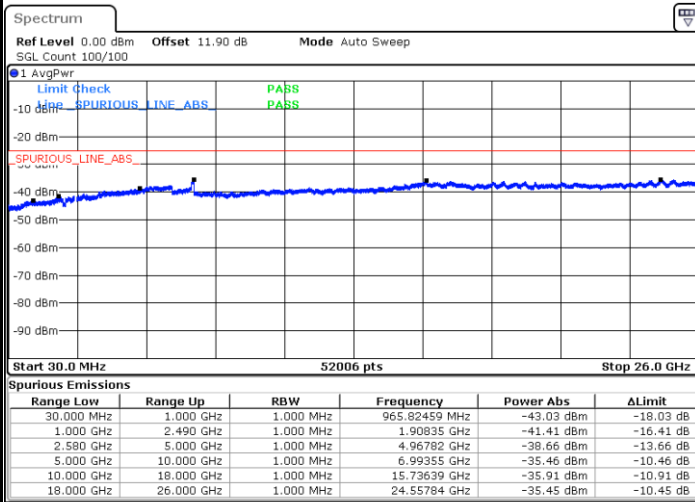
Highest Channel / 16QAM



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

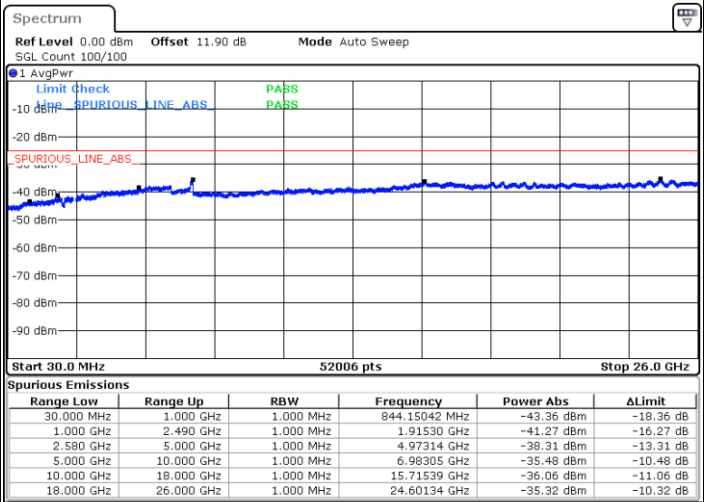
LTE Band 7 / 10MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM



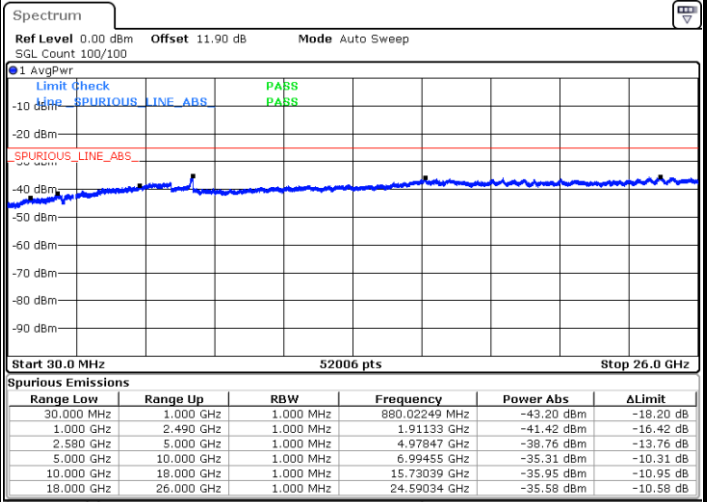
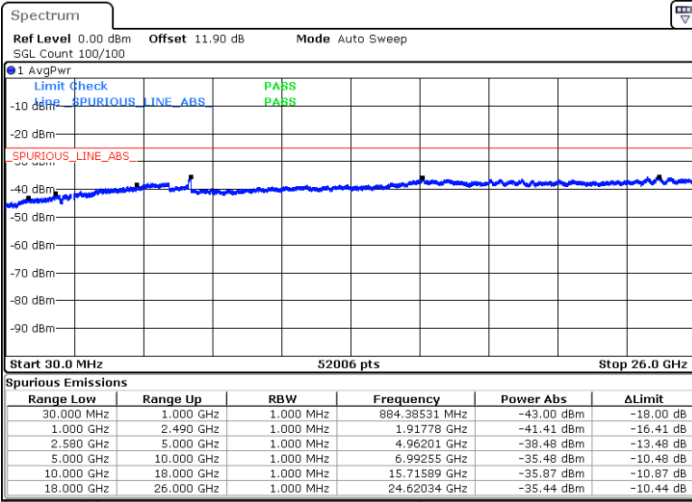
Date: 1.MAR.2020 18:12:03



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

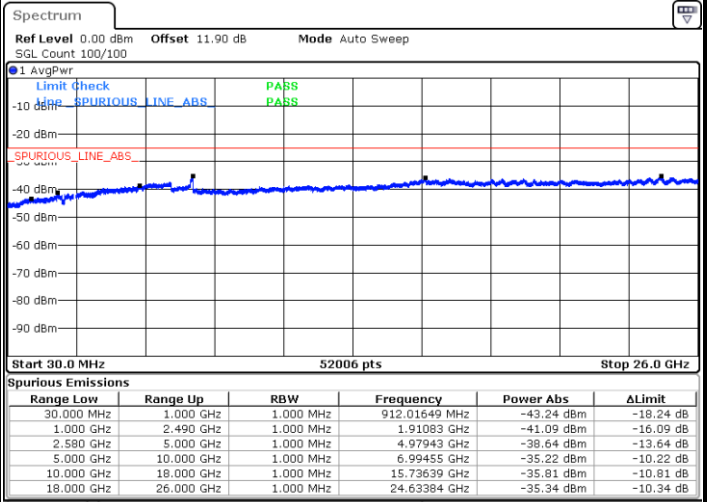
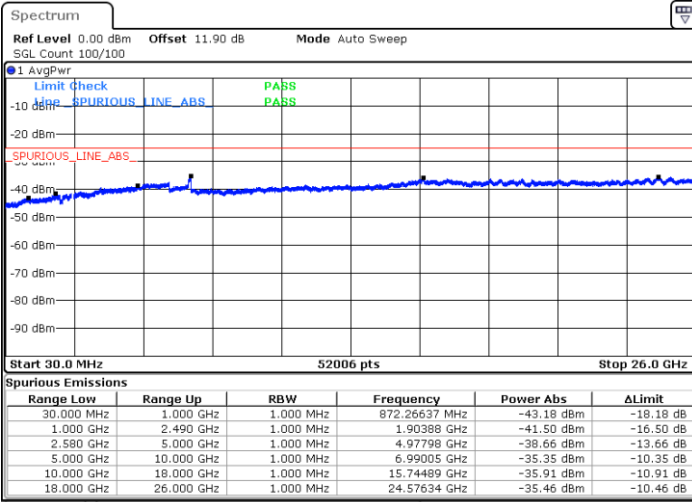


Date: 1.MAR.2020 18:13:45

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

Highest Channel / QPSK

Highest Channel / 16QAM



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

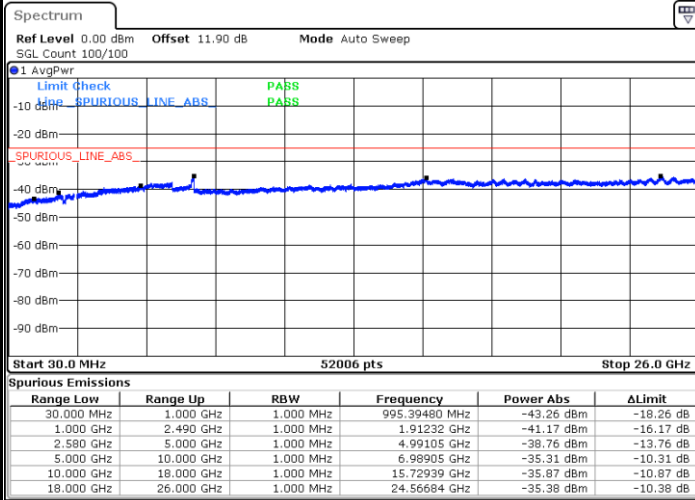
Date: 1.MAR.2020 18:19:54



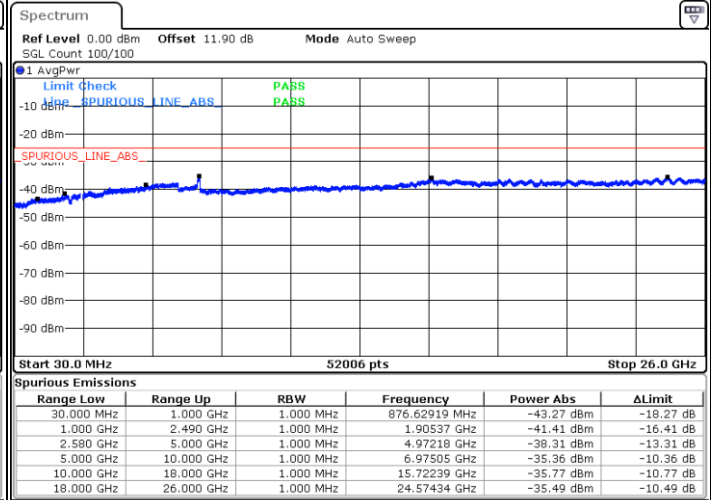
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



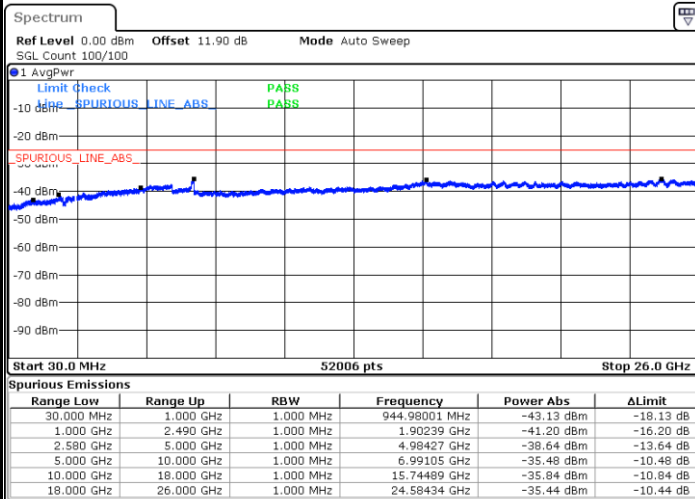
Date: 1.MAR.2020 18:31:04



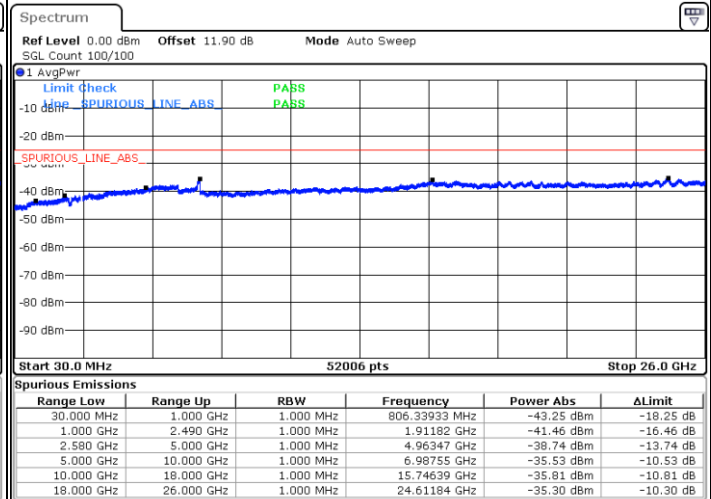
Date: 1.MAR.2020 18:31:53

Middle Channel / QPSK

Middle Channel / 16QAM



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



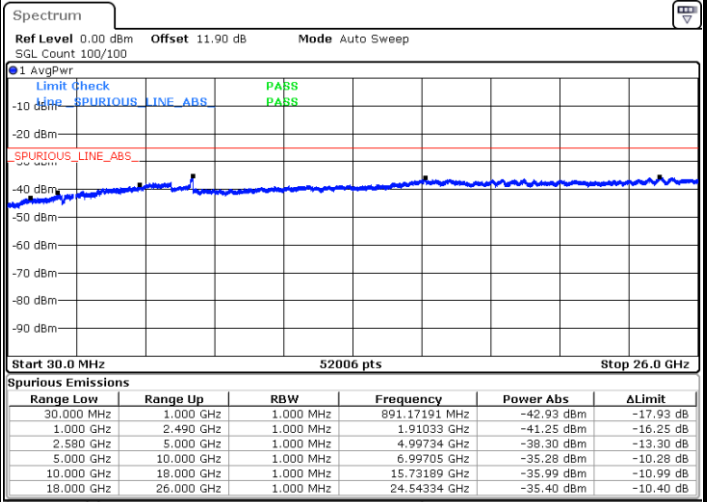
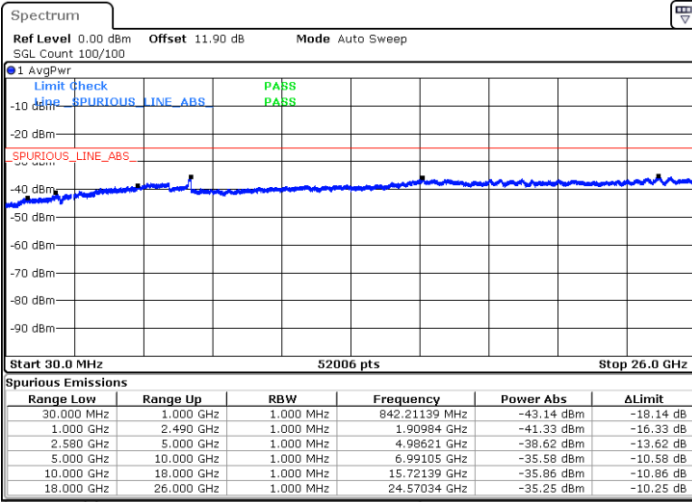
Date: 1.MAR.2020 18:34:22



LTE Band7 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



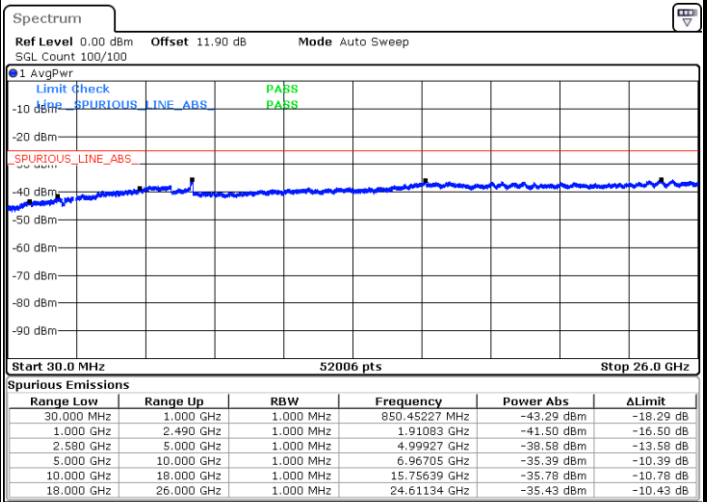
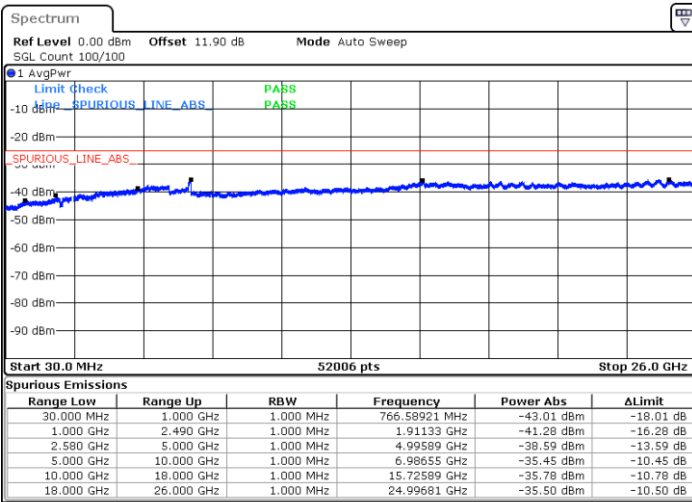
Date: 1.MAR.2020 18:38:55

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

LTE Band 7 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



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

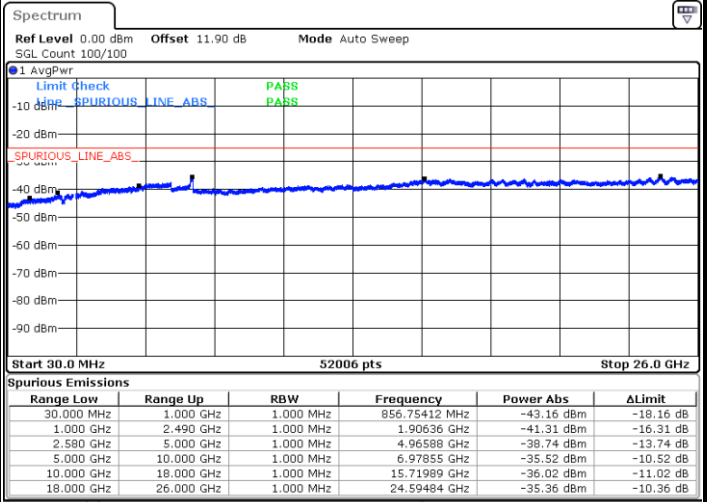
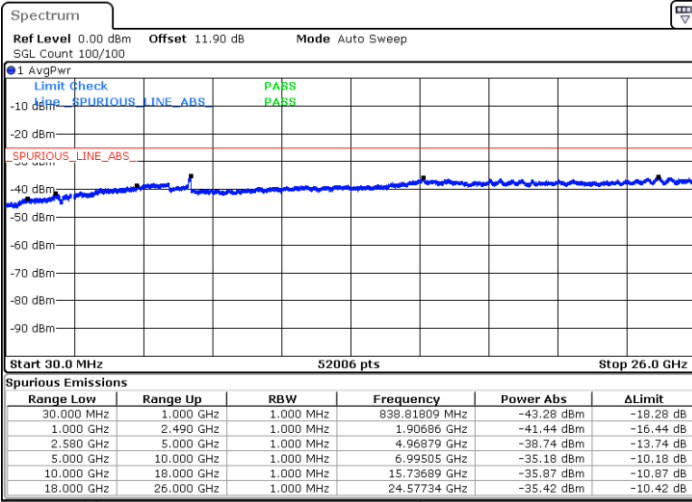
Date: 1.MAR.2020 18:51:43



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

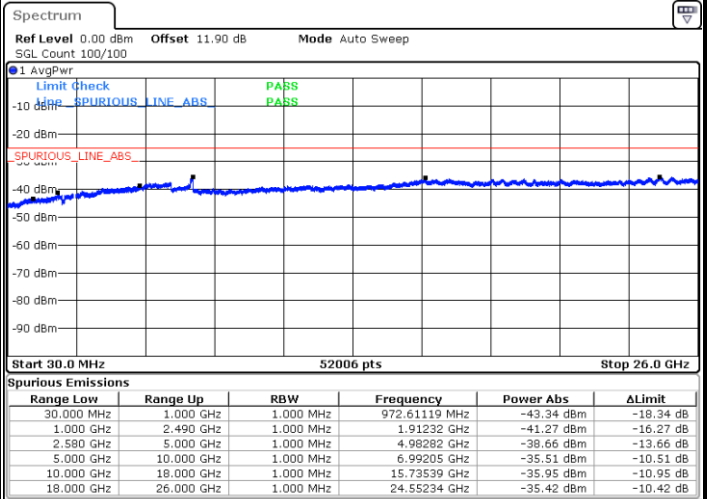
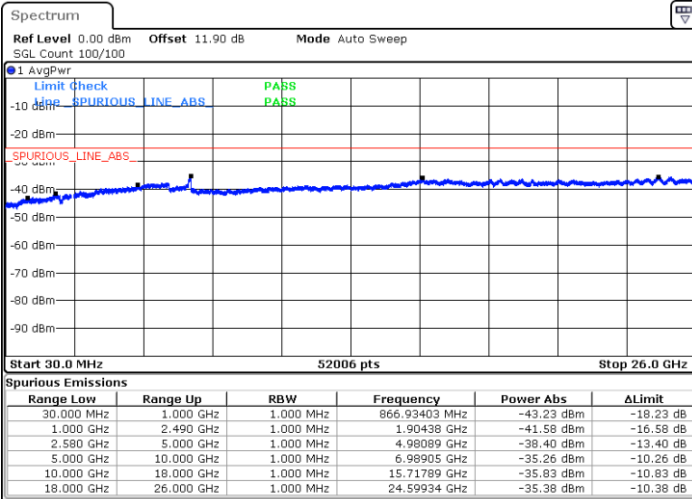


Date: 1.MAR.2020 18:53:25

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

Highest Channel / QPSK

Highest Channel / 16QAM



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

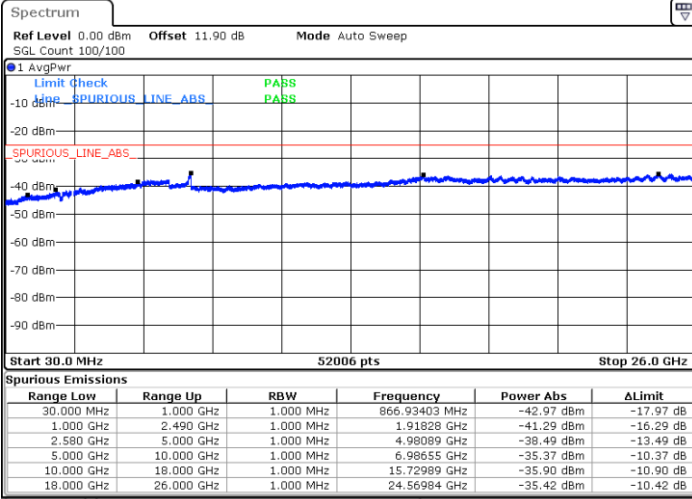
Date: 1.MAR.2020 18:59:34



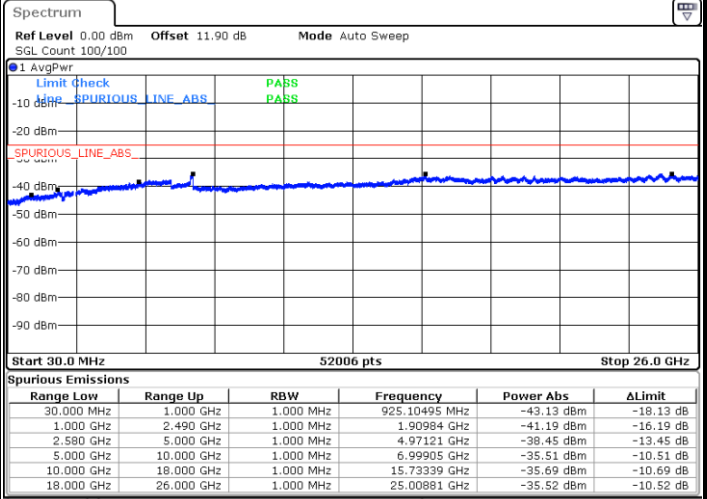
LTE Band 7 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

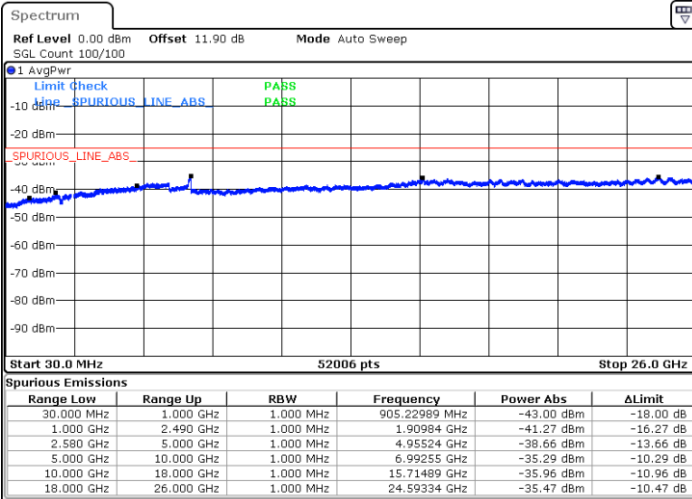


Date: 1.MAR.2020 18:02:45



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

Highest Channel / 64QAM



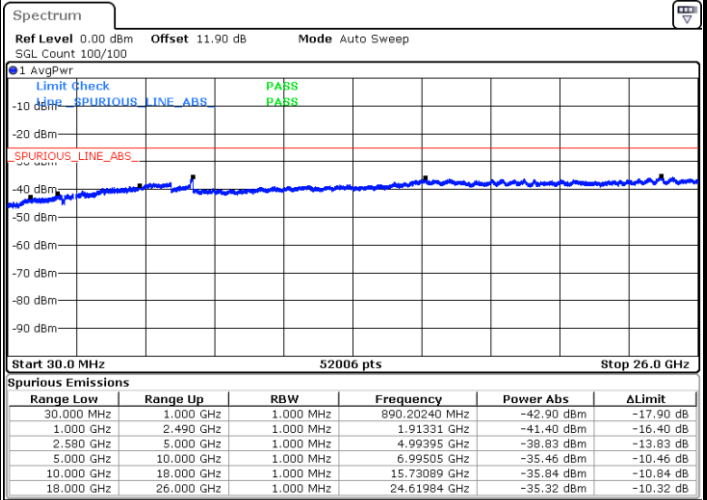
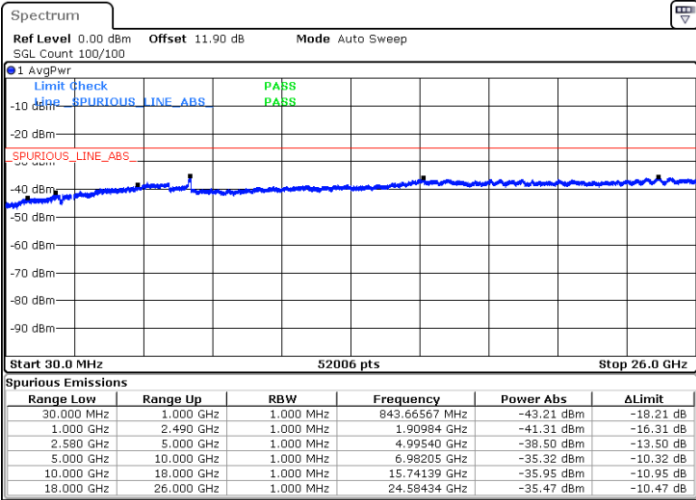
Date: 1.MAR.2020 18:06:41



LTE Band 7 / 10MHz

Lowest Channel / 64QAM

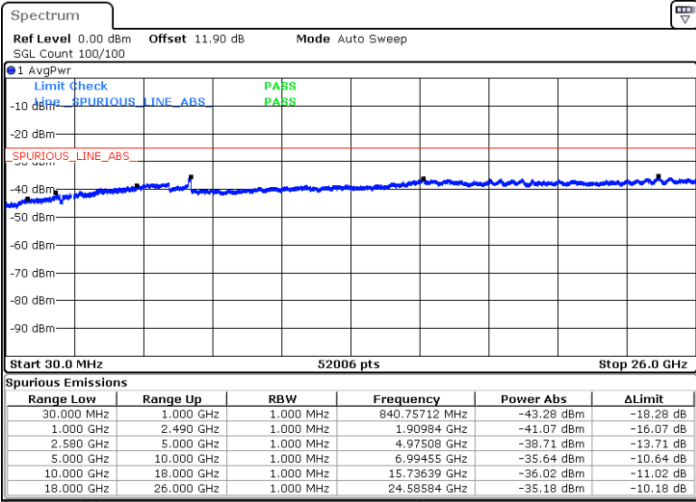
Middle Channel / 64QAM



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

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

Highest Channel / 64QAM



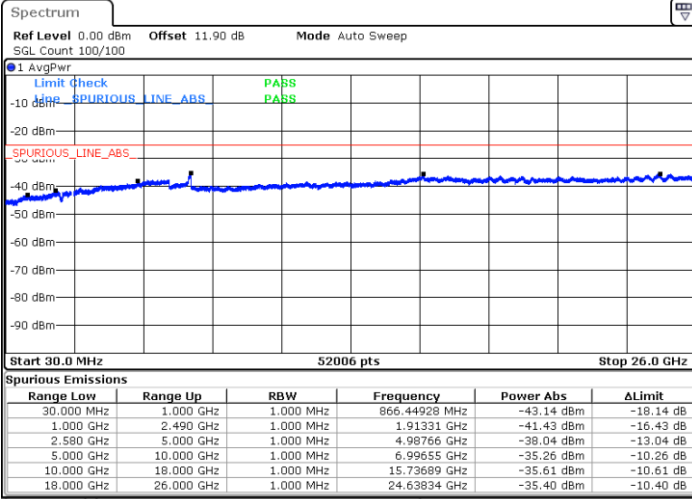
Date: 1.MAR.2020 18:26:29



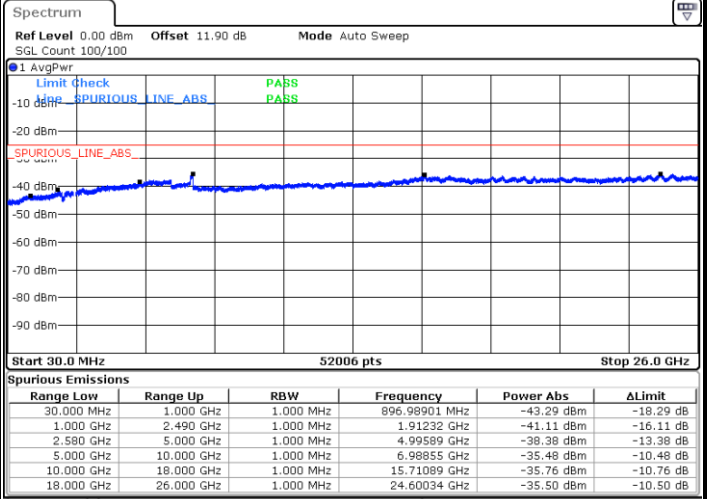
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

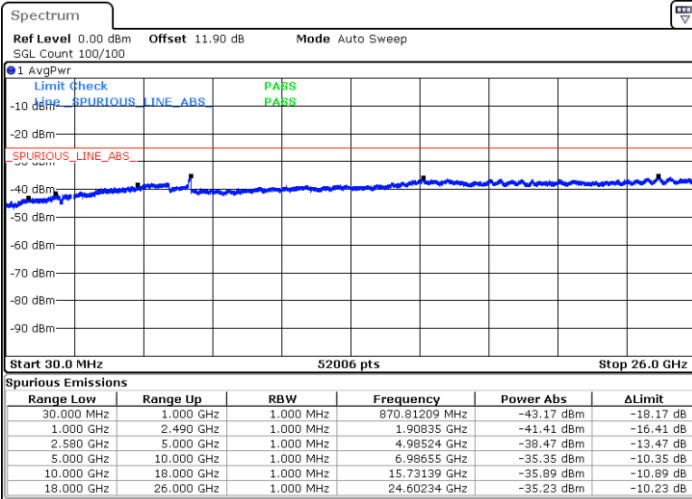


Date: 1.MAR.2020 18:42:25



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

Highest Channel / 64QAM



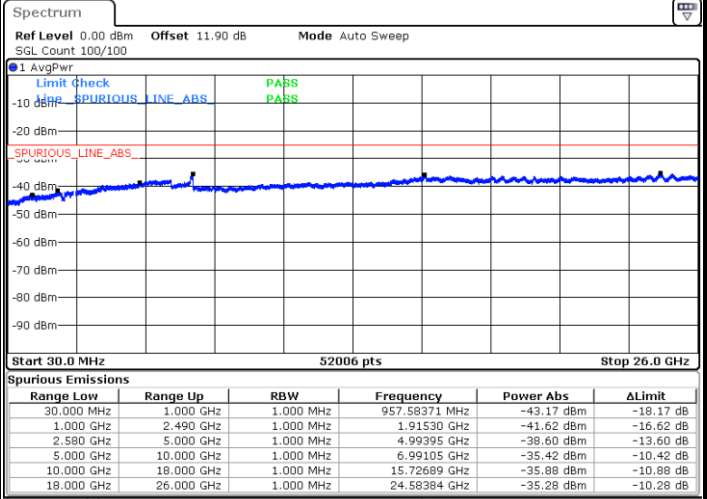
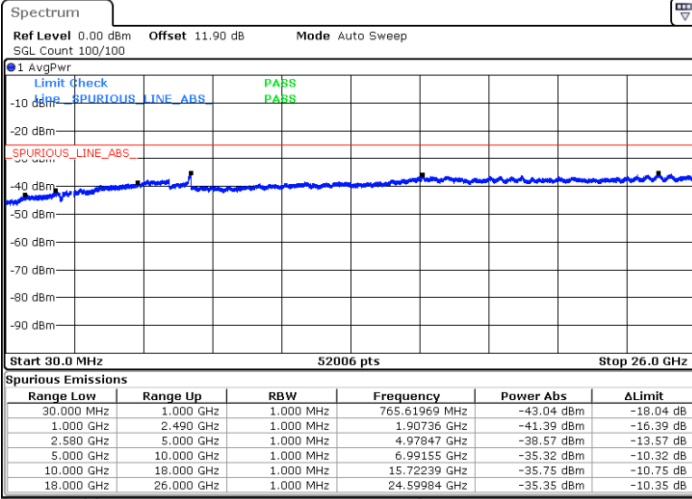
Date: 1.MAR.2020 18:46:20



LTE Band 7 / 20MHz

Lowest Channel / 64QAM

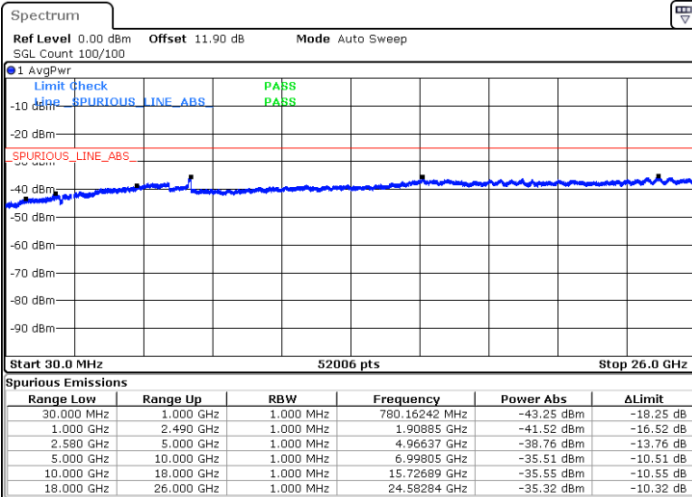
Middle Channel / 64QAM



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

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	-

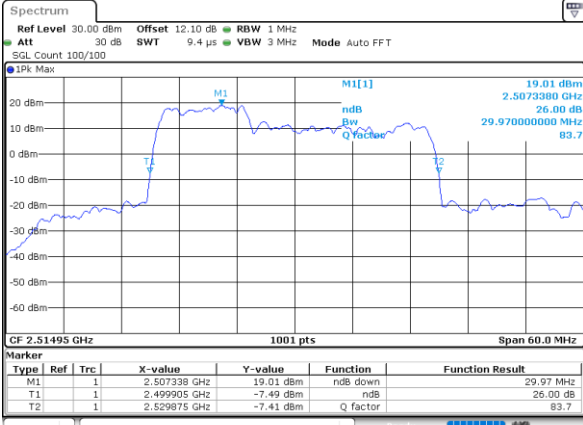
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.79	25.13	30.51	34.83
Middle CH	29.73	25.23	30.57	34.76
Highest CH	29.73	25.23	30.69	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.83	39.72	-
Middle CH	29.91	34.83	39.72	-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



LTE Band 7C

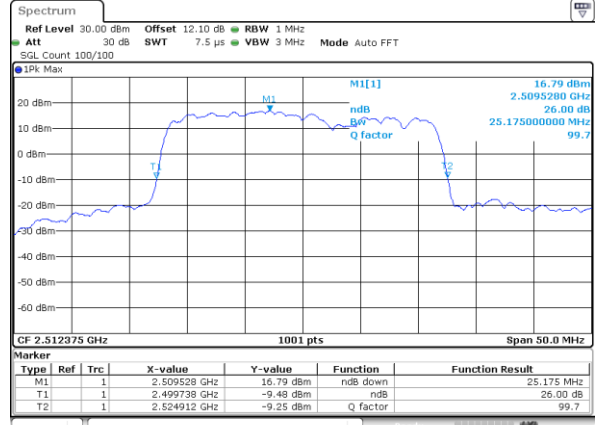
QPSK

Lowest Channel / 10MHz+20MHz



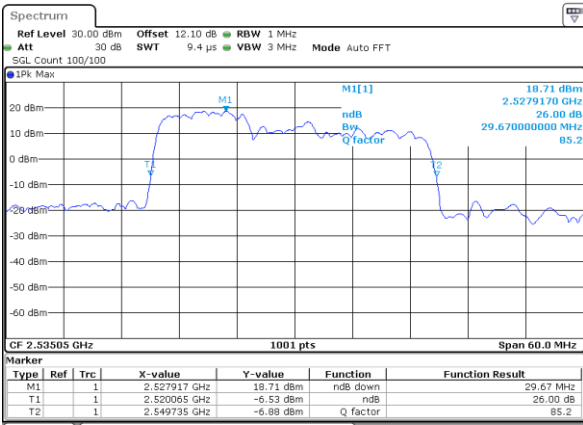
Date: 27.MAR.2020 14:47:16

Lowest Channel / 15MHz+10MHz



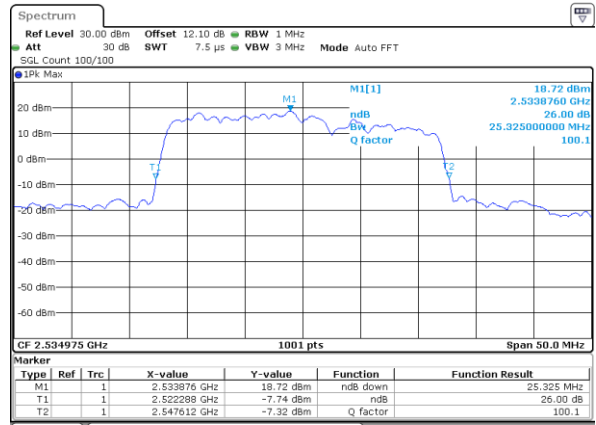
Date: 26.MAR.2020 19:27:03

Middle Channel / 10MHz+20MHz



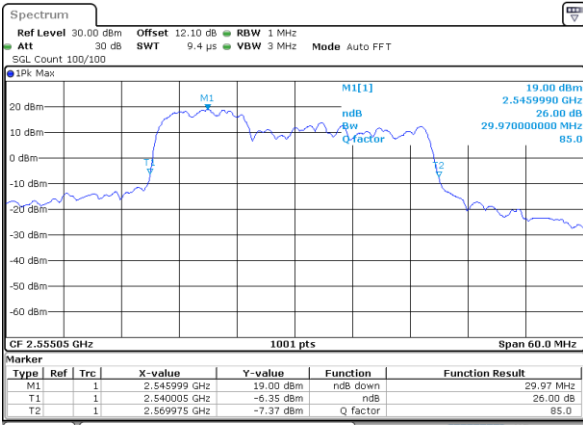
Date: 27.MAR.2020 19:25:59

Middle Channel / 15MHz+10MHz



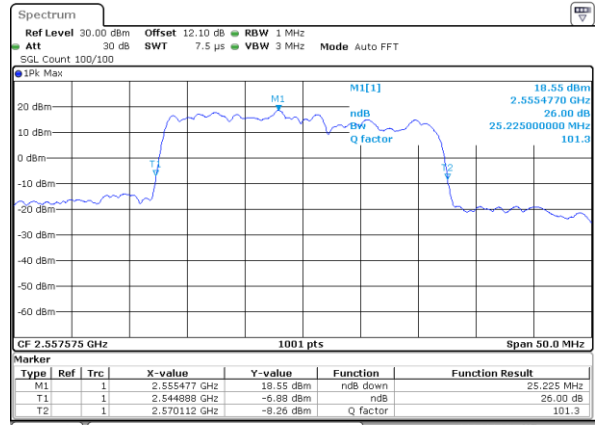
Date: 26.MAR.2020 20:42:07

Highest Channel / 10MHz+20MHz



Date: 27.MAR.2020 15:40:38

Highest Channel / 15MHz+10MHz



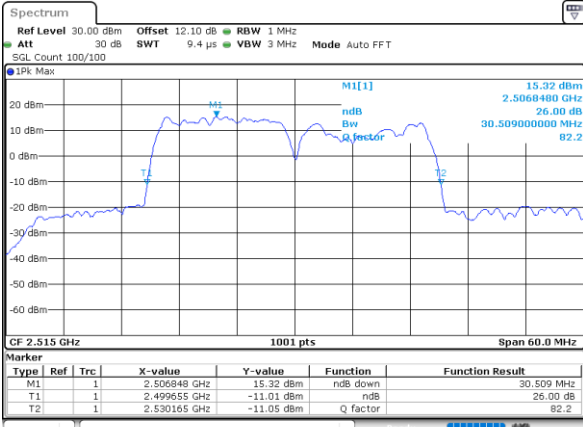
Date: 26.MAR.2020 20:56:38



LTE Band 7C

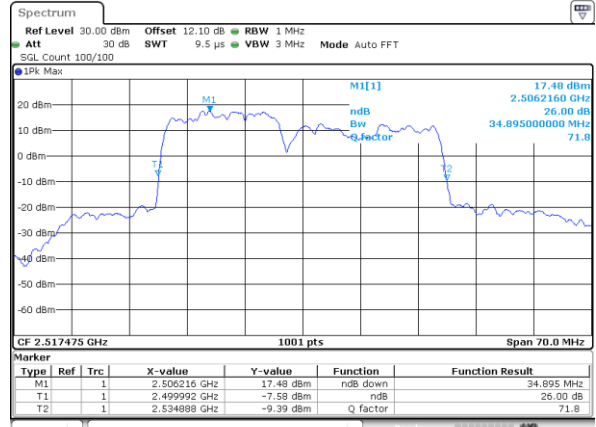
QPSK

Lowest Channel / 15MHz+15MHz



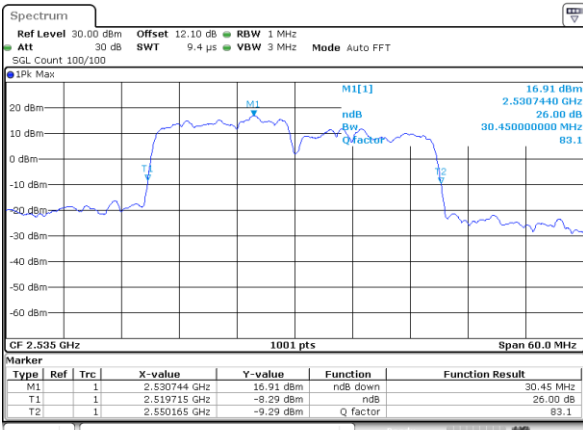
Date: 27_MAR_2020 19:02:12

Lowest Channel / 15MHz+20MHz



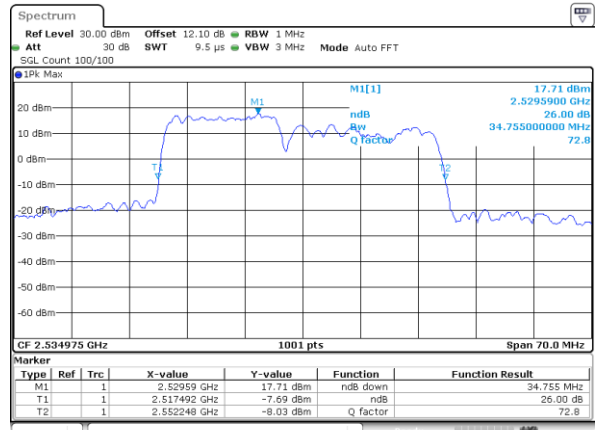
Date: 27_MAR_2020 01:10:14

Middle Channel / 15MHz+15MHz



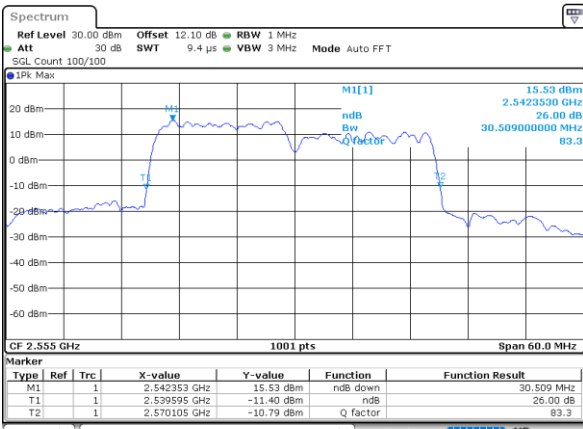
Date: 27_MAR_2020 19:02:17

Middle Channel / 15MHz+20MHz



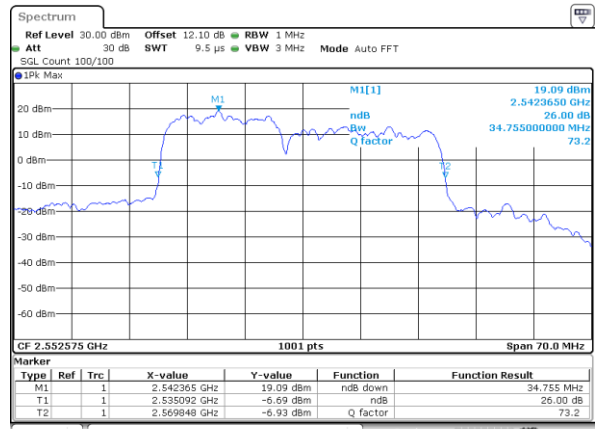
Date: 27_MAR_2020 01:14:32

Highest Channel / 15MHz+15MHz



Date: 27_MAR_2020 17:19:33

Highest Channel / 15MHz+20MHz



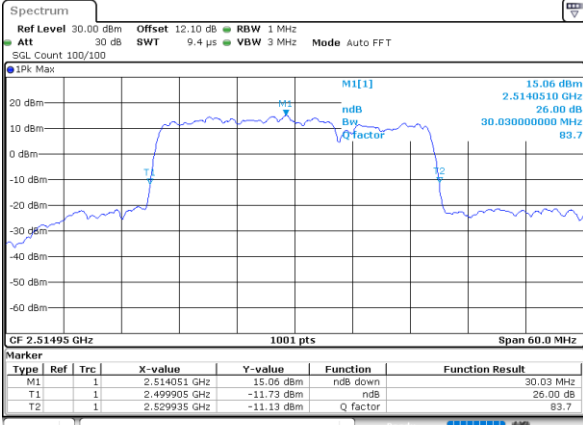
Date: 27_MAR_2020 19:42:13



LTE Band 7C

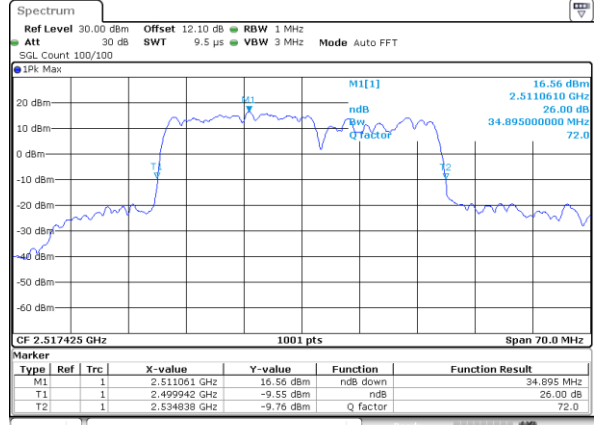
QPSK

Lowest Channel / 20MHz+10MHz



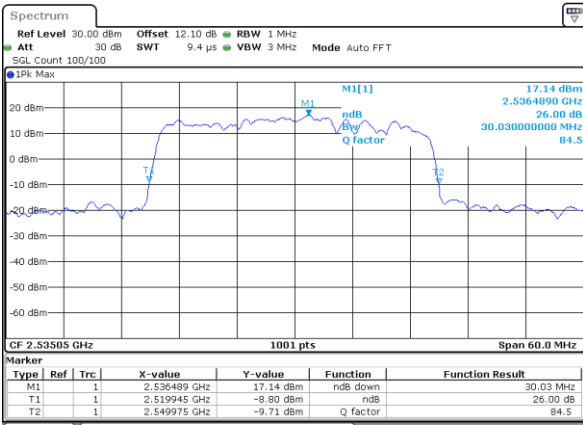
Date: 27.MAR.2020 16:24:34

Lowest Channel / 20MHz+15MHz



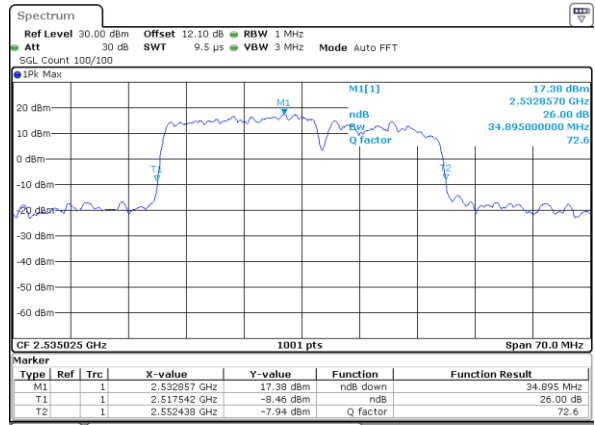
Date: 26.MAR.2020 23:14:24

Middle Channel / 20MHz+10MHz



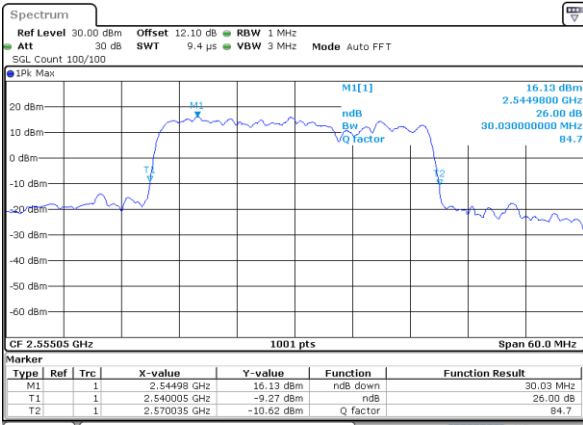
Date: 27.MAR.2020 16:06:45

Middle Channel / 20MHz+15MHz



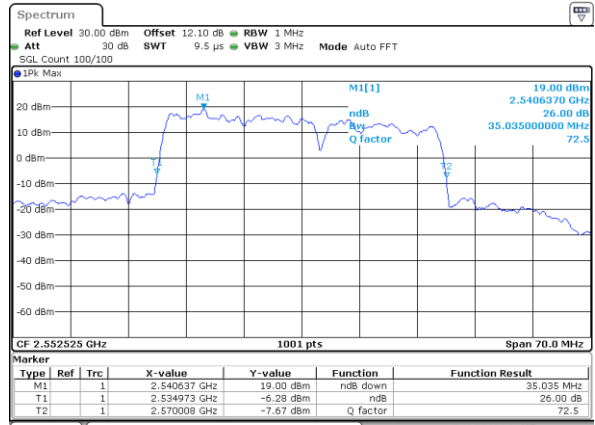
Date: 26.MAR.2020 23:52:57

Highest Channel / 20MHz+10MHz



Date: 27.MAR.2020 16:52:10

Highest Channel / 20MHz+15MHz



Date: 27.MAR.2020 00:29:42

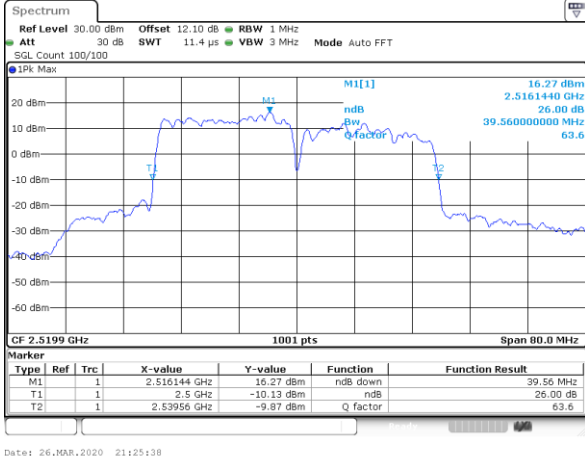


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

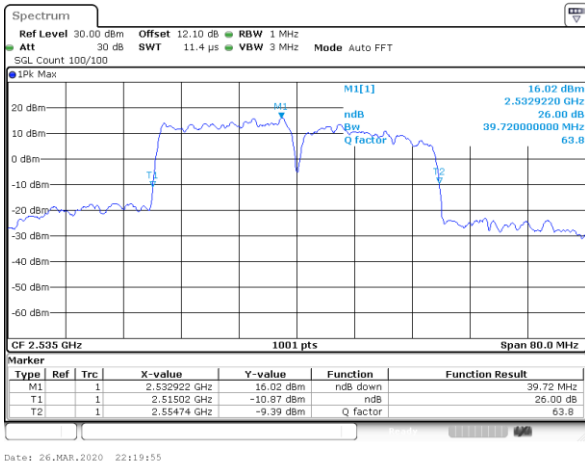
N/A



Date: 26.MAR.2020 21:25:38

Middle Channel / 20MHz+20MHz

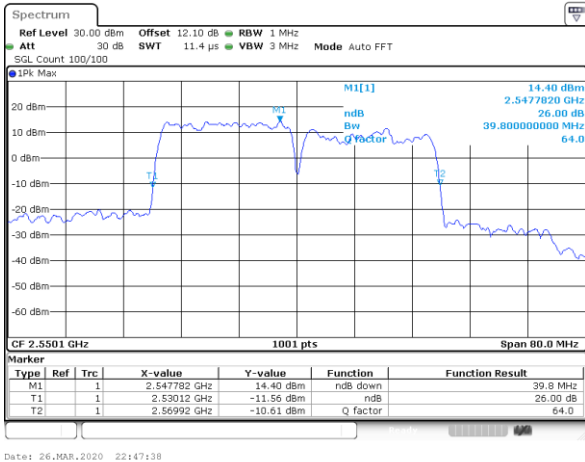
N/A



Date: 26.MAR.2020 22:19:55

Highest Channel / 20MHz+20MHz

N/A



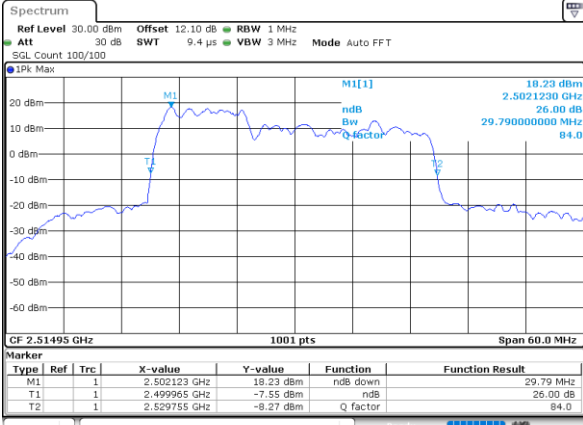
Date: 26.MAR.2020 22:47:38



LTE Band 7C

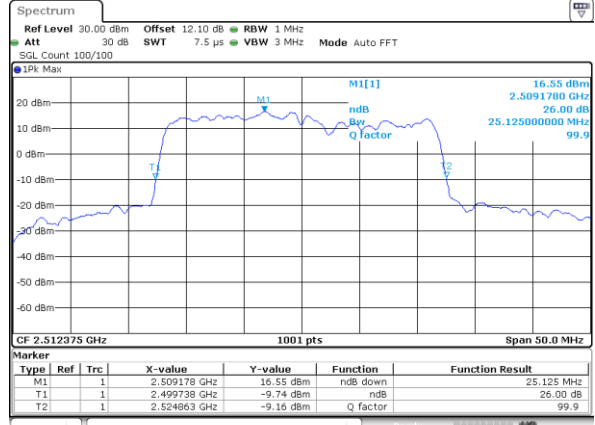
16QAM

Lowest Channel / 10MHz+20MHz



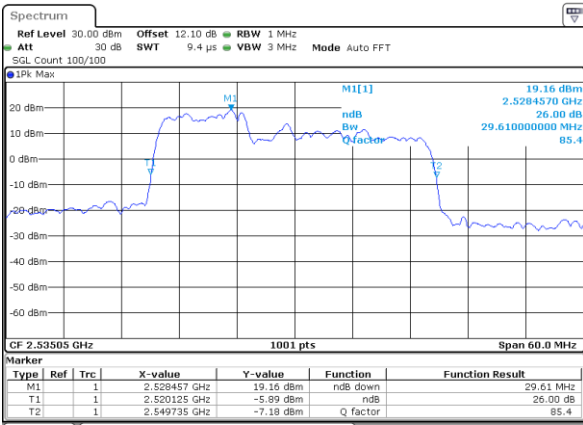
Date: 27.MAR.2020 14:46:53

Lowest Channel / 15MHz+10MHz



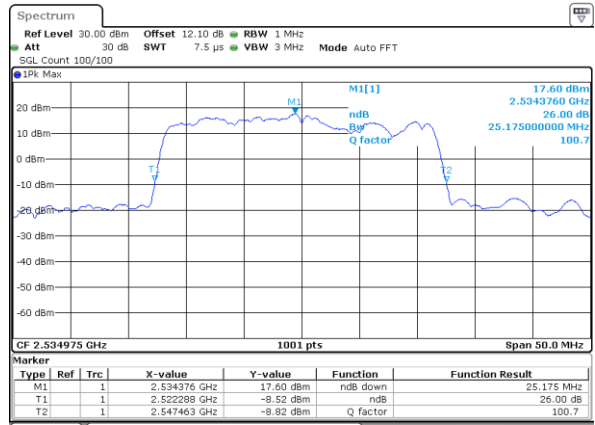
Date: 26.MAR.2020 19:26:40

Middle Channel / 10MHz+20MHz



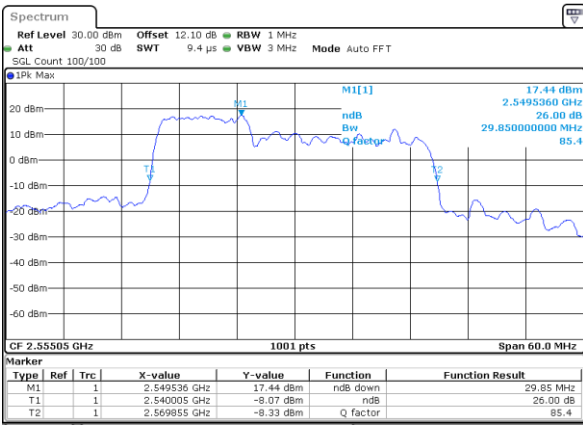
Date: 27.MAR.2020 19:25:36

Middle Channel / 15MHz+10MHz



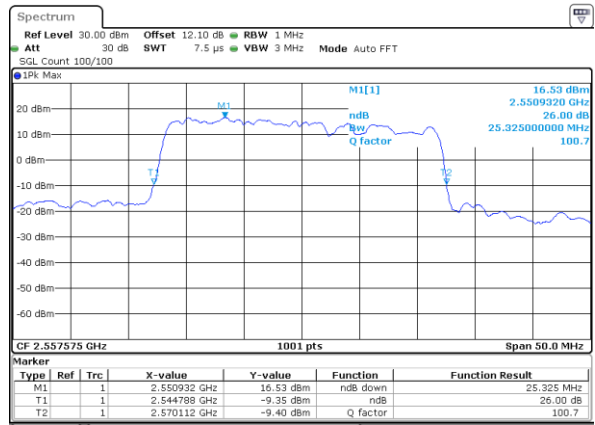
Date: 26.MAR.2020 20:41:44

Highest Channel / 10MHz+20MHz



Date: 27.MAR.2020 15:41:01

Highest Channel / 15MHz+10MHz



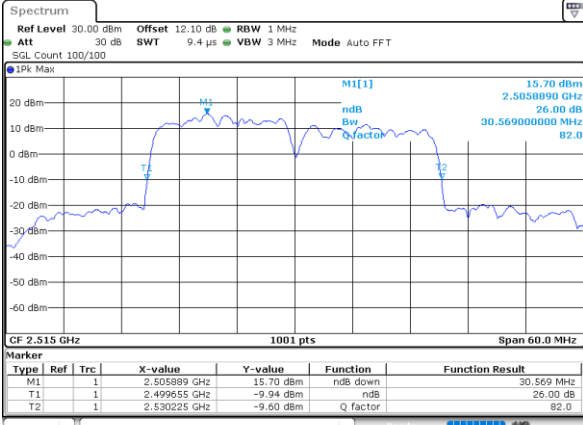
Date: 26.MAR.2020 20:57:01



LTE Band 7C

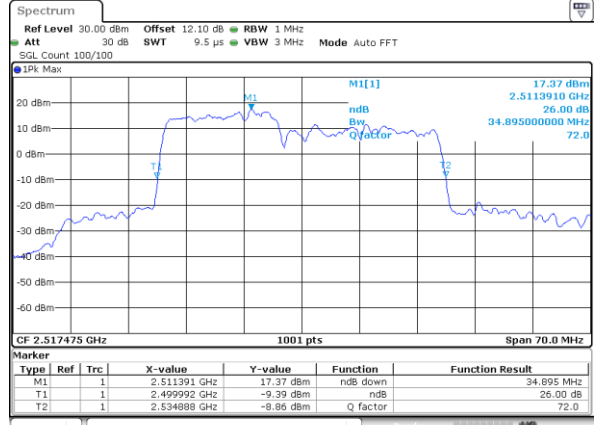
16QAM

Lowest Channel / 15MHz+15MHz



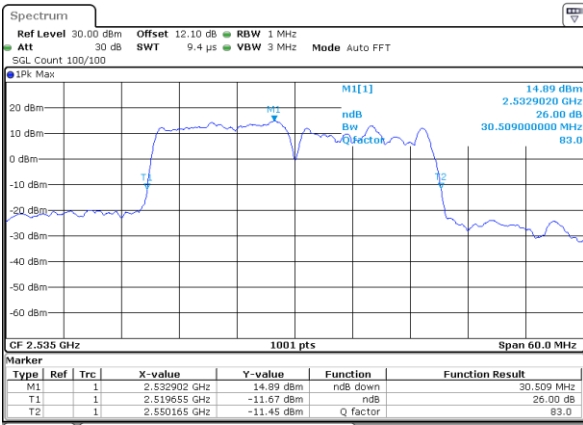
Date: 27_MAR_2020 19:02:09

Lowest Channel / 15MHz+20MHz



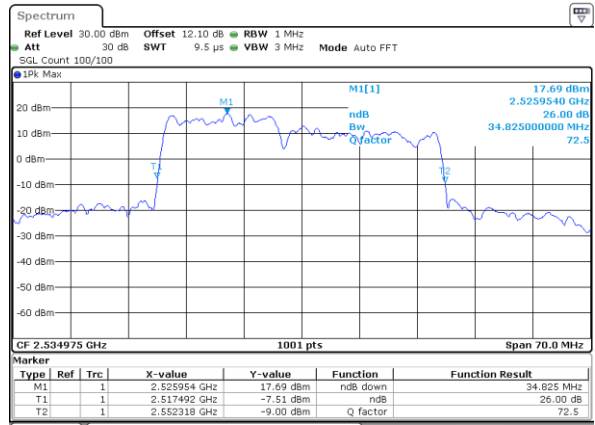
Date: 27_MAR_2020 01:09:50

Middle Channel / 15MHz+15MHz



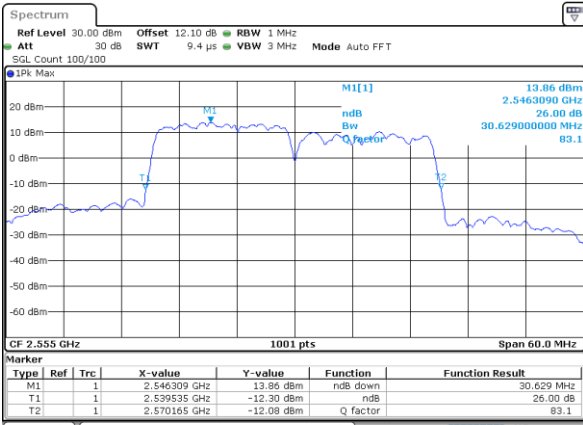
Date: 27_MAR_2020 19:01:54

Middle Channel / 15MHz+20MHz



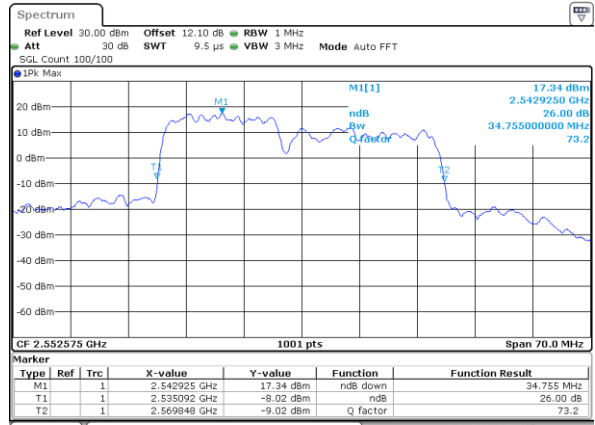
Date: 27_MAR_2020 01:40:09

Highest Channel / 15MHz+15MHz



Date: 27_MAR_2020 17:19:56

Highest Channel / 15MHz+20MHz



Date: 27_MAR_2020 19:42:36