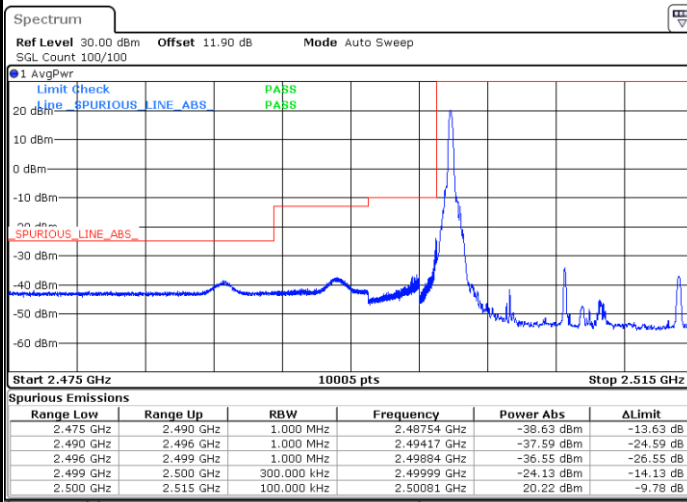




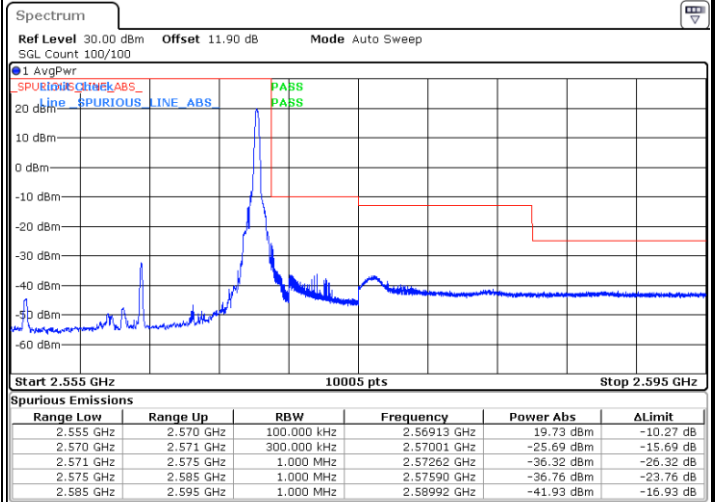
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



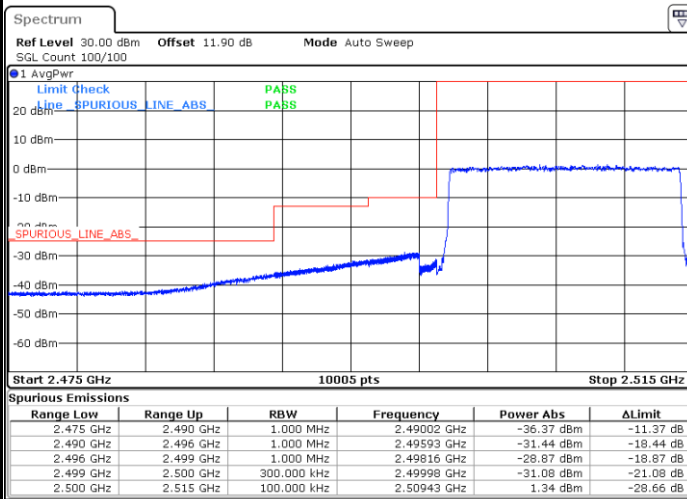
Date: 24.JAN.2020 07:00:12

Highest Band Edge / 1 RB



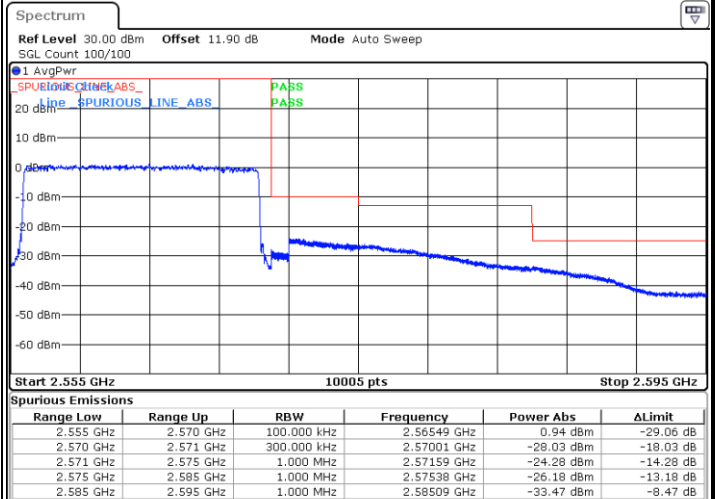
Date: 24.JAN.2020 07:11:37

Lowest Band Edge / Full RB



Date: 24.JAN.2020 07:02:57

Highest Band Edge / Full RB

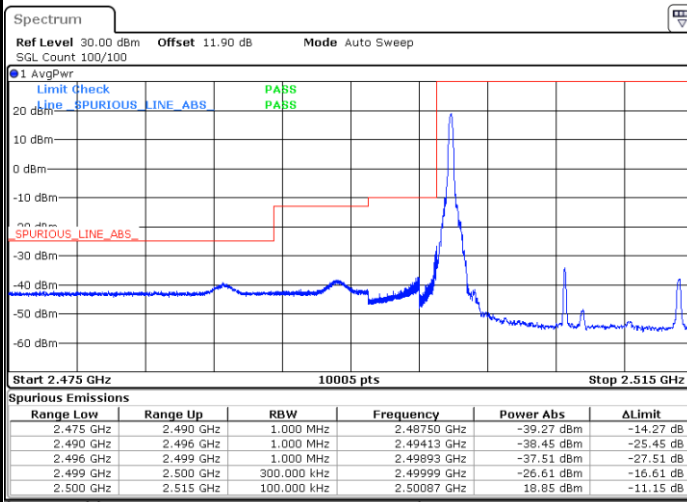


Date: 24.JAN.2020 07:14:20



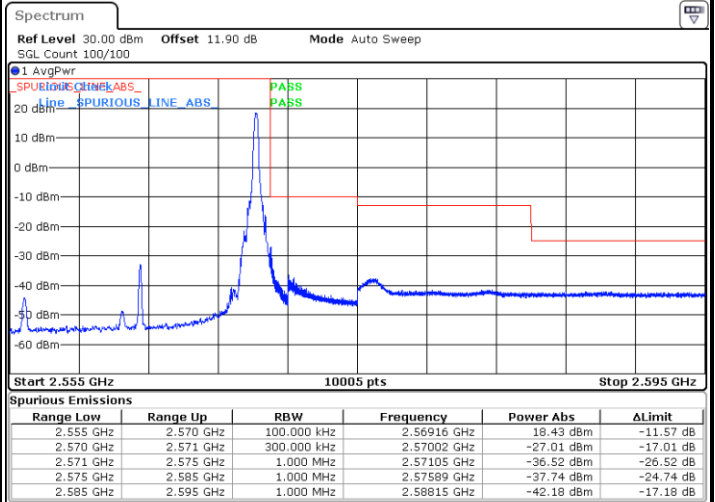
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



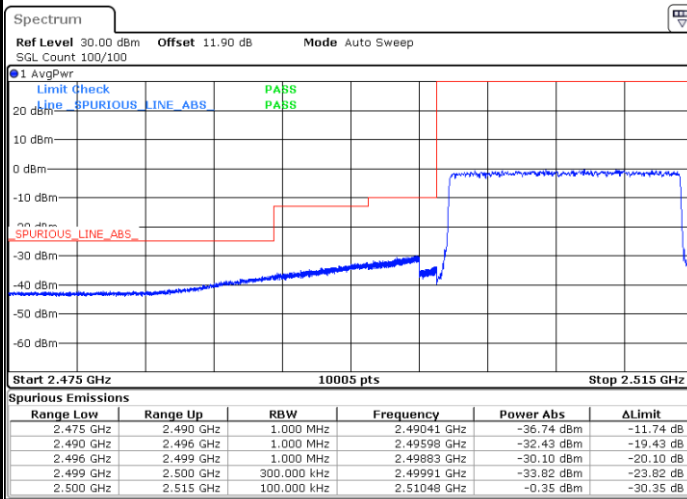
Date: 24.JAN.2020 07:18:15

Highest Band Edge / 1 RB



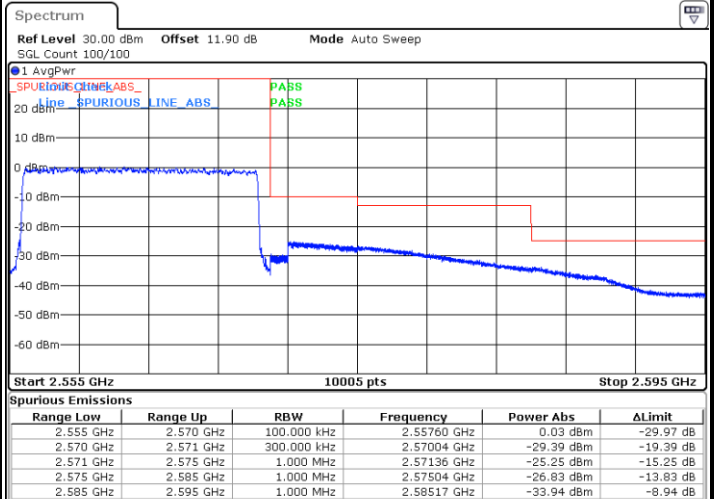
Date: 24.JAN.2020 07:23:57

Lowest Band Edge / Full RB



Date: 24.JAN.2020 07:19:37

Highest Band Edge / Full RB

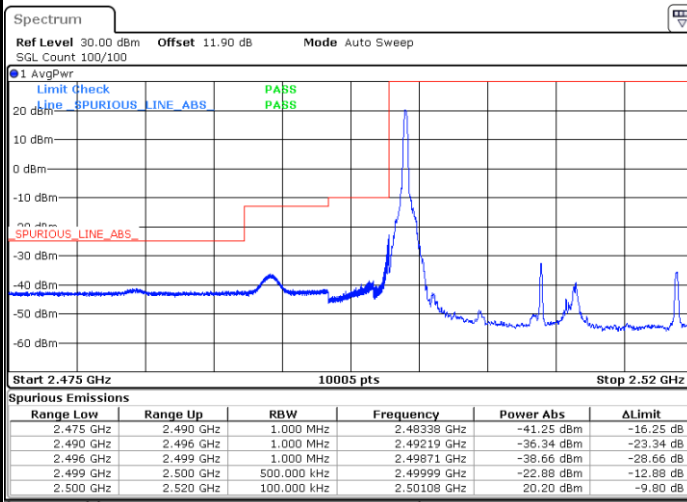


Date: 24.JAN.2020 07:25:18



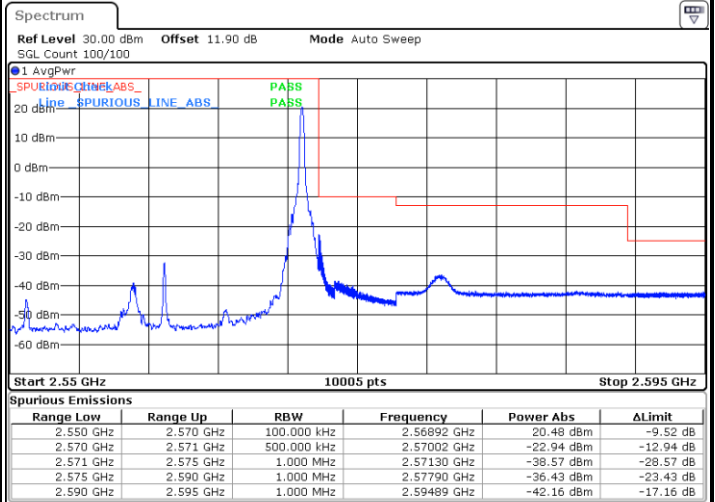
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



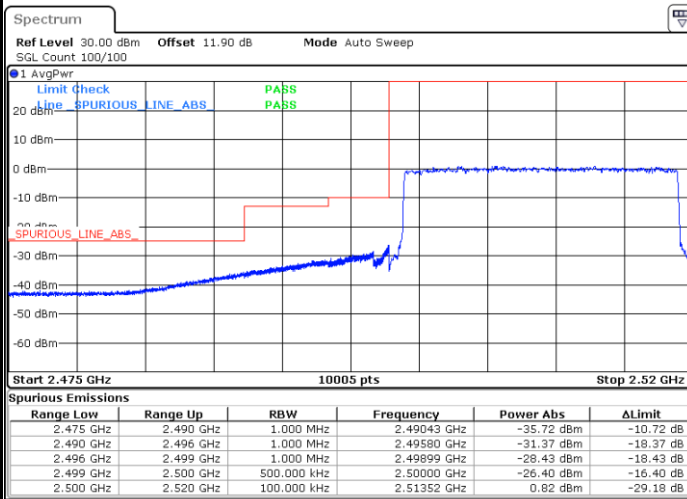
Date: 24.JAN.2020 07:28:40

Highest Band Edge / 1 RB



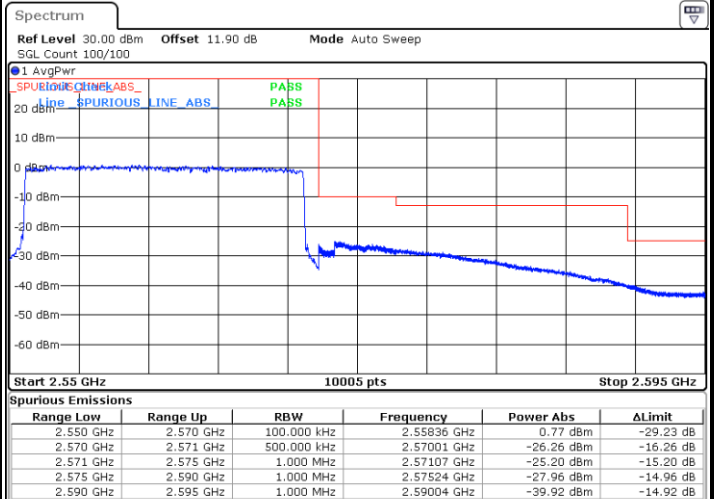
Date: 24.JAN.2020 07:40:07

Lowest Band Edge / Full RB



Date: 24.JAN.2020 07:31:24

Highest Band Edge / Full RB

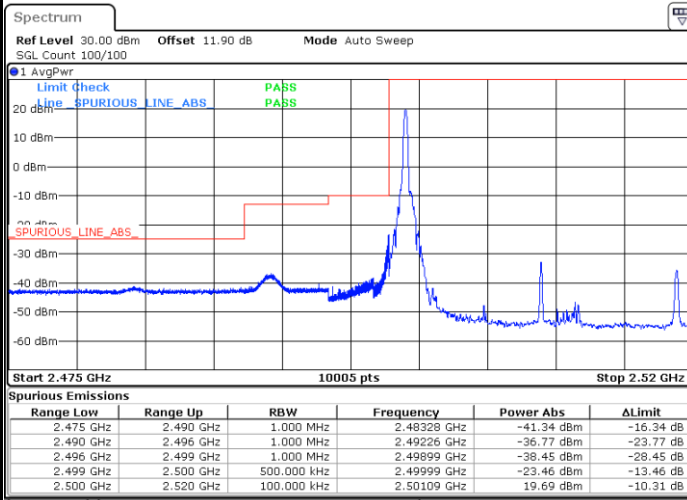


Date: 24.JAN.2020 08:05:55



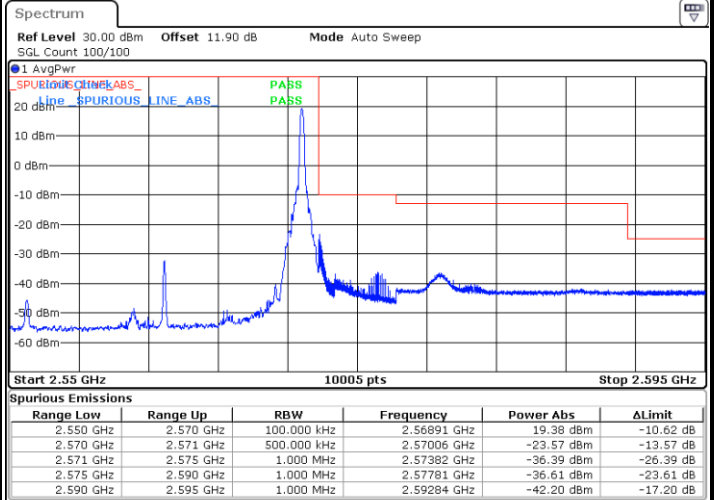
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



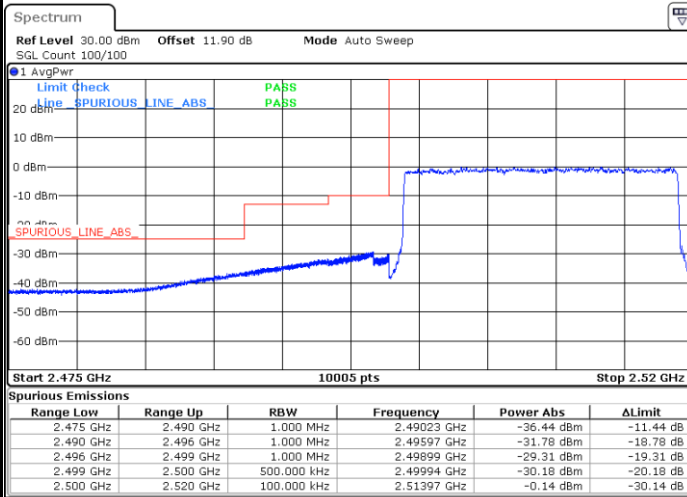
Date: 24.JAN.2020 07:30:02

Highest Band Edge / 1RB



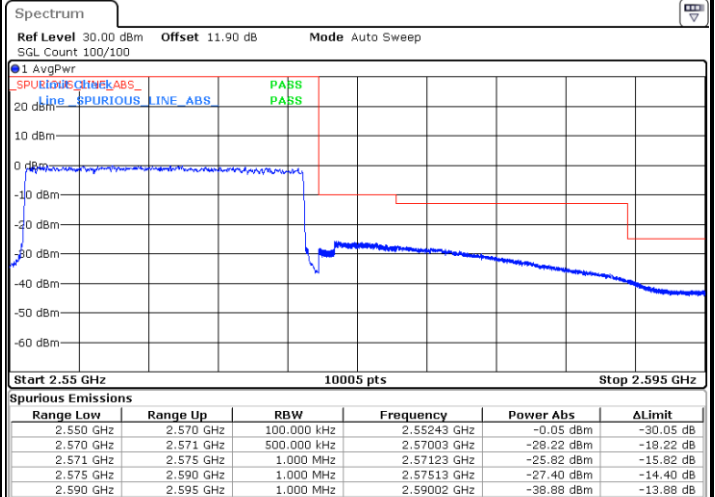
Date: 24.JAN.2020 08:03:10

Lowest Band Edge / Full RB



Date: 24.JAN.2020 07:32:47

Highest Band Edge / Full RB

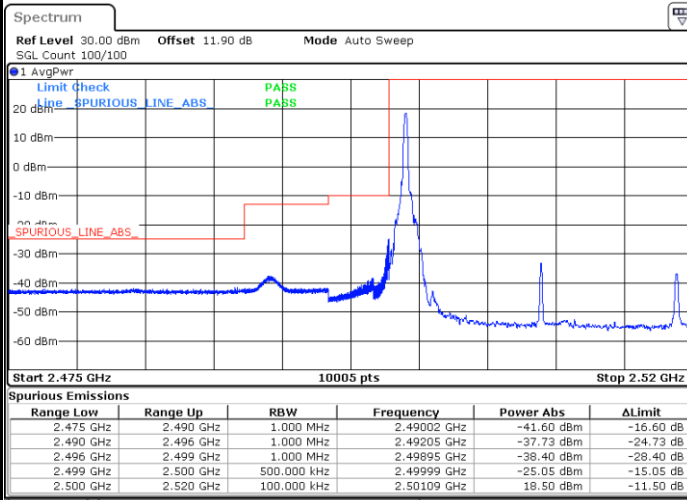


Date: 24.JAN.2020 08:04:34



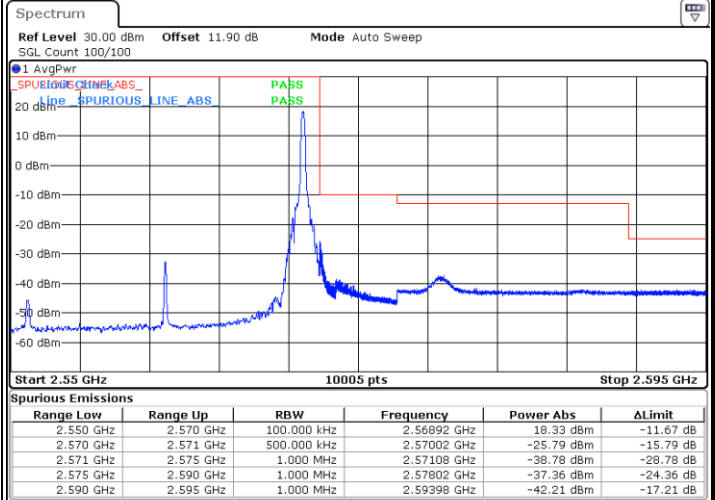
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



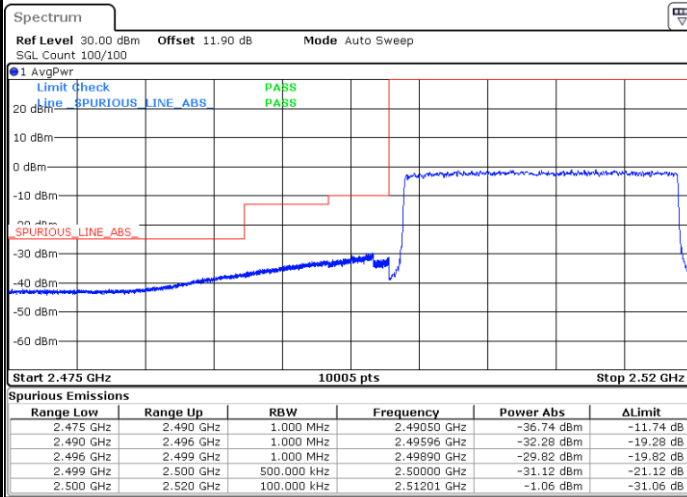
Date: 24.JAN.2020 08:09:50

Highest Band Edge / 1 RB



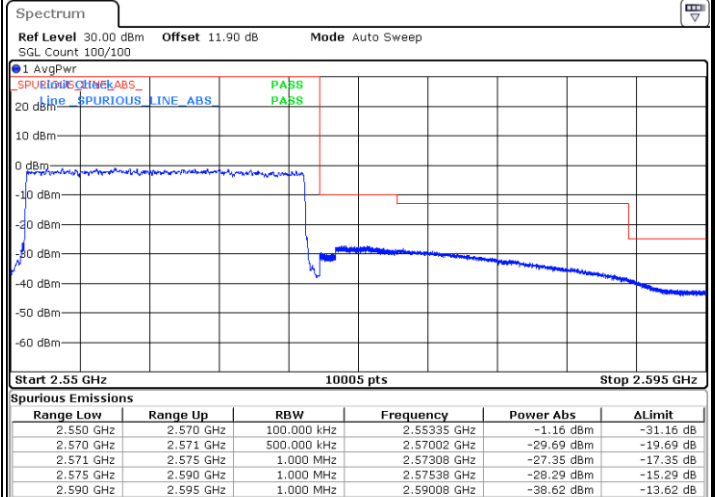
Date: 24.JAN.2020 08:30:00

Lowest Band Edge / Full RB



Date: 24.JAN.2020 08:11:11

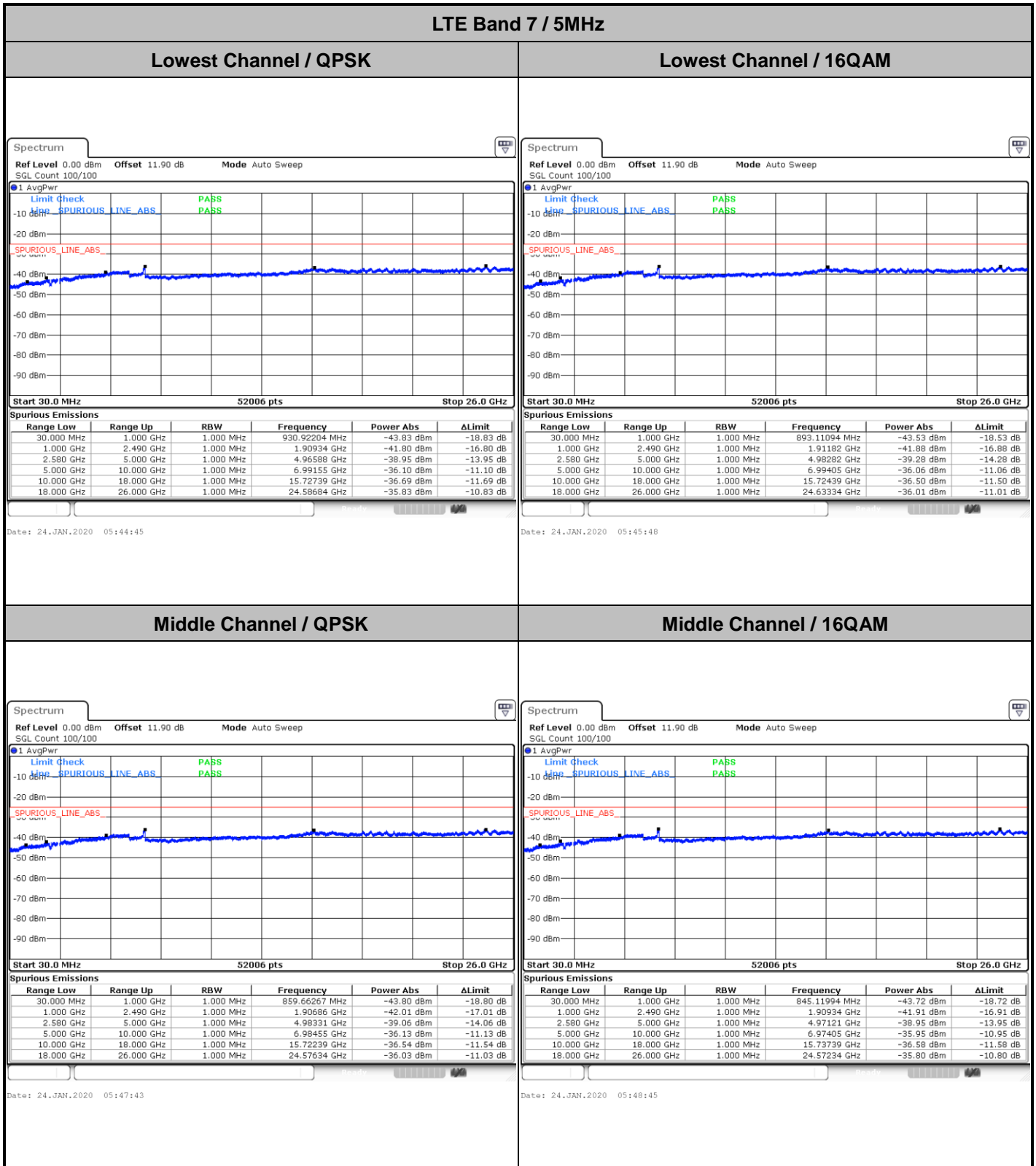
Highest Band Edge / Full RB



Date: 24.JAN.2020 08:31:22



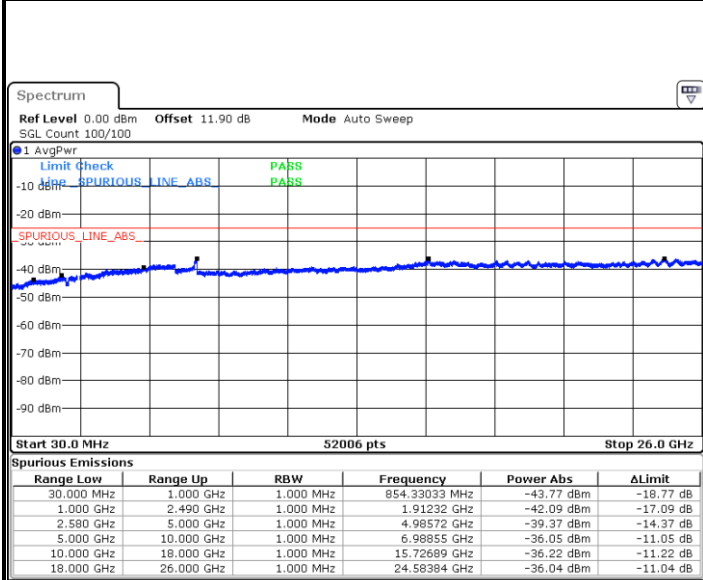
Conducted Spurious Emission





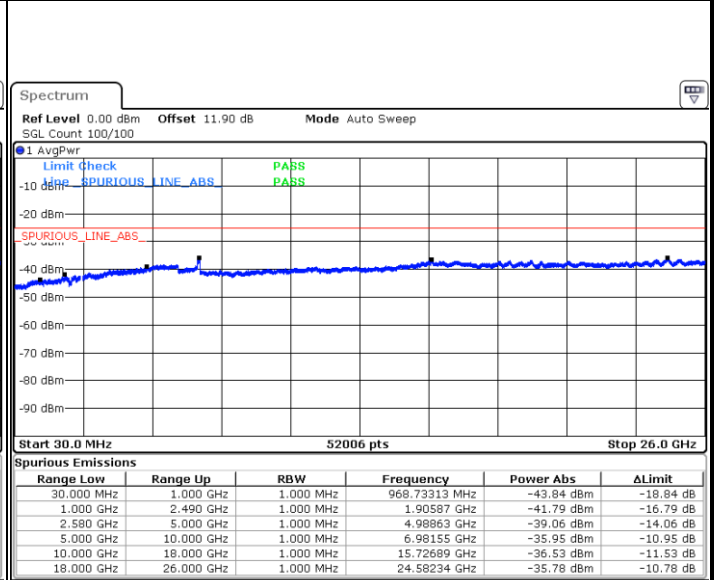
LTE Band 7 / 5MHz

Highest Channel / QPSK



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

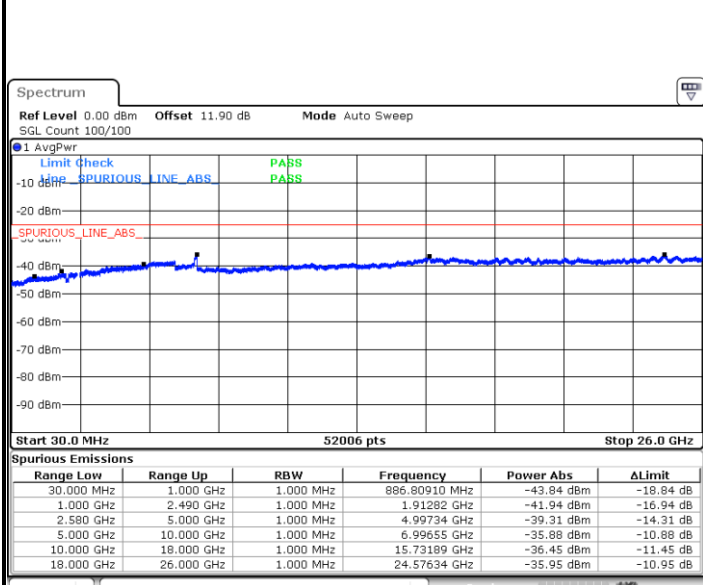
Highest Channel / 16QAM



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

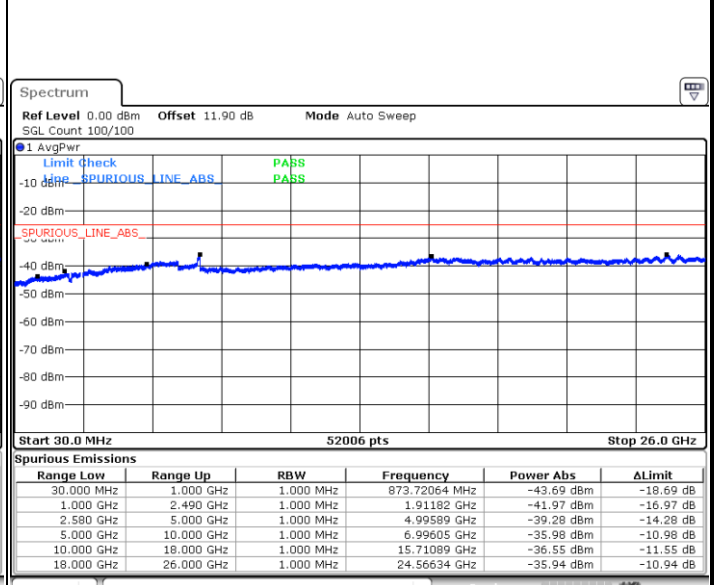
LTE Band 7 / 10MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM



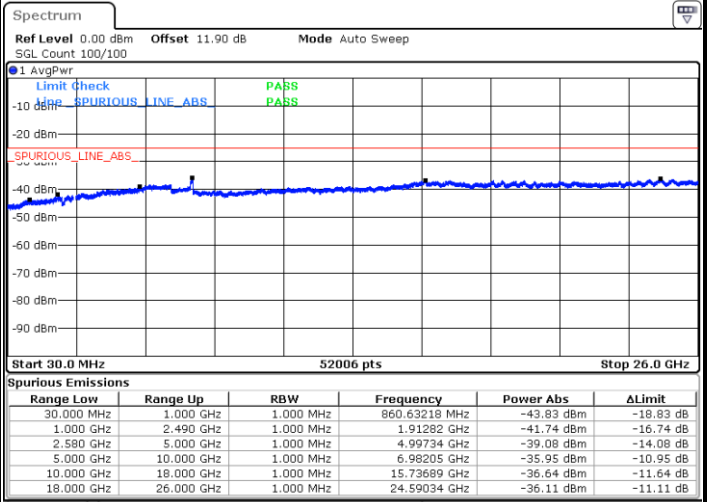
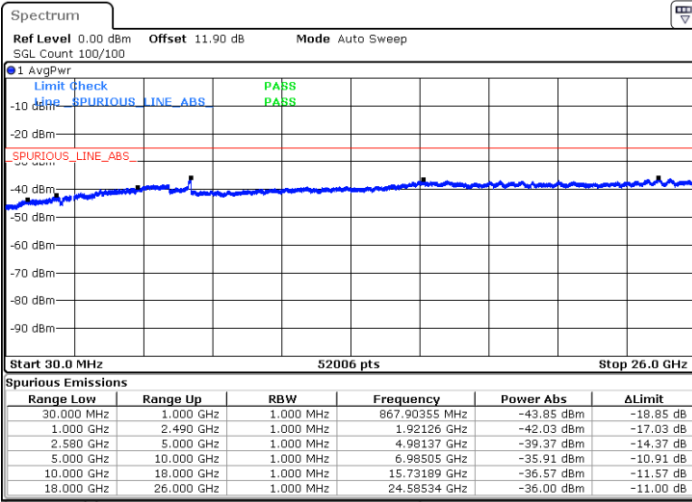
Date: 24.JAN.2020 06:29:54



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

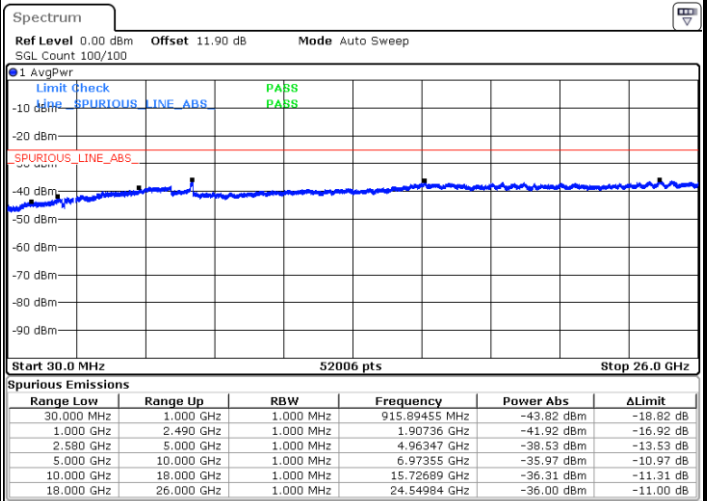
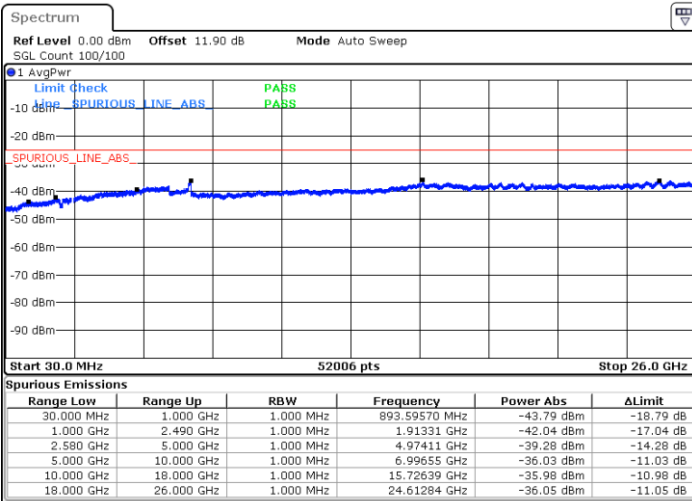


Date: 24.JAN.2020 06:31:49

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

Highest Channel / QPSK

Highest Channel / 16QAM



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

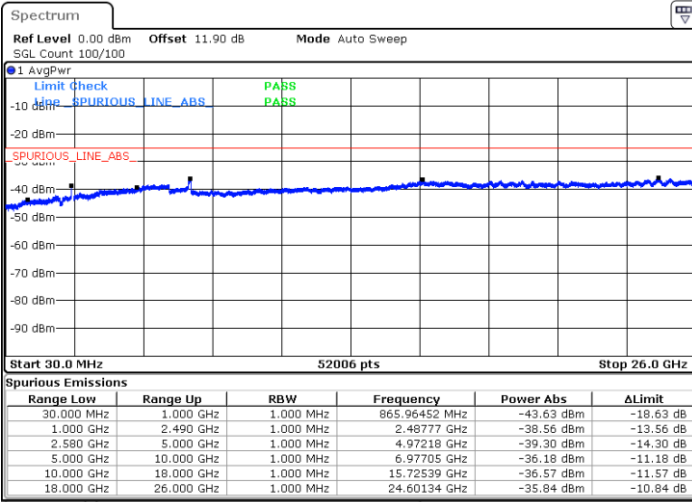
Date: 24.JAN.2020 06:41:17



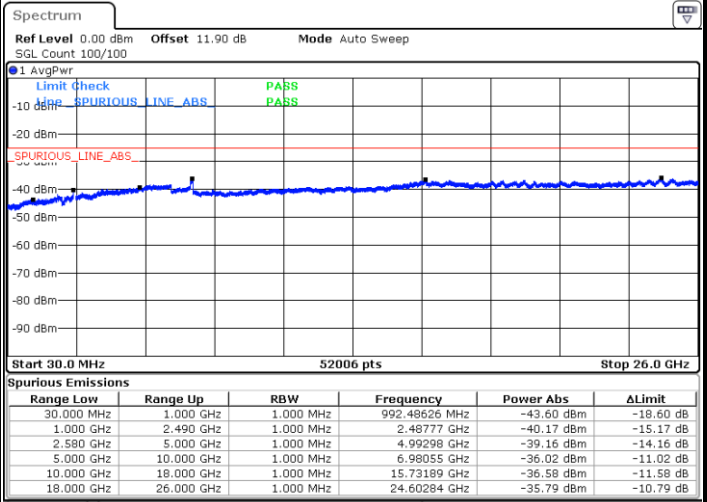
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



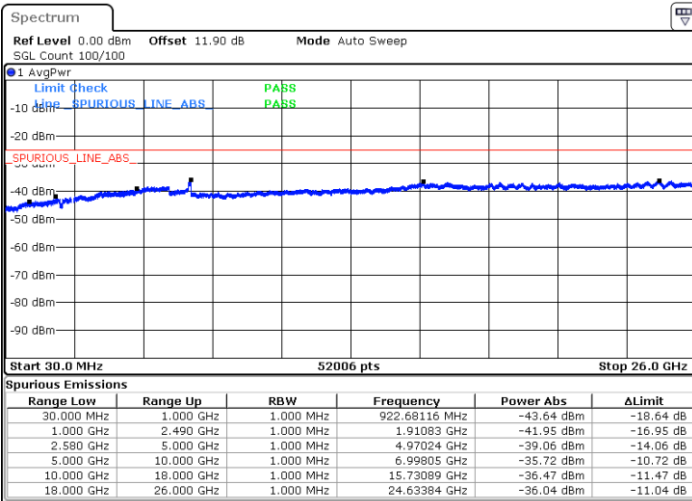
Date: 24.JAN.2020 07:03:59



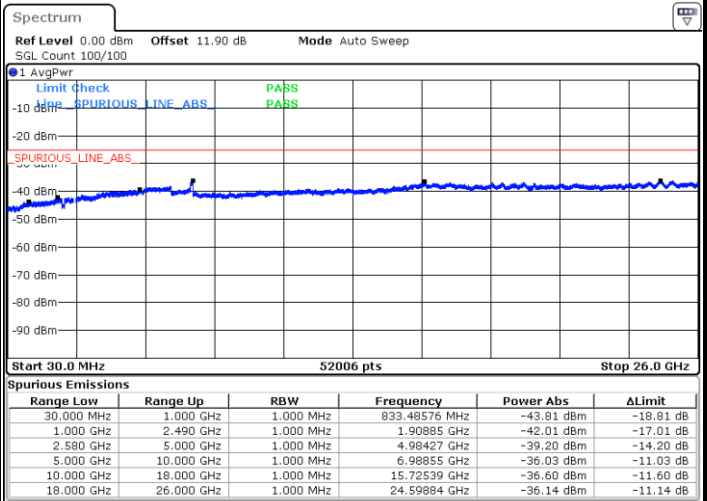
Date: 24.JAN.2020 07:05:01

Middle Channel / QPSK

Middle Channel / 16QAM



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

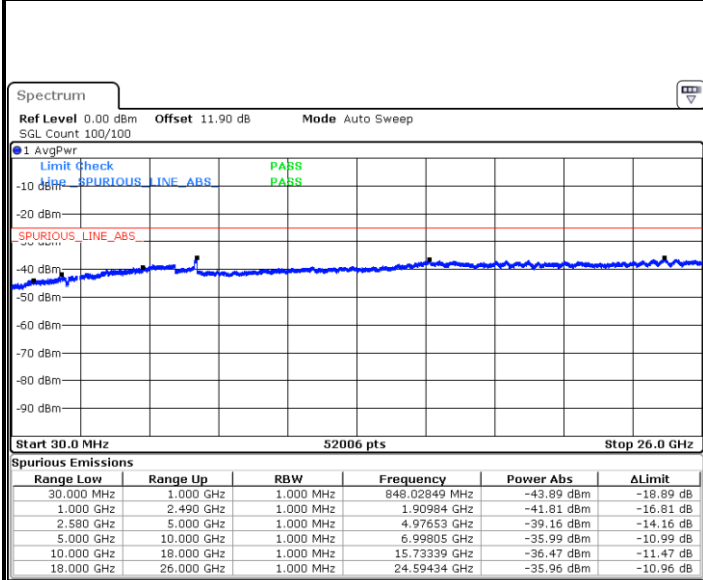


Date: 24.JAN.2020 07:07:58



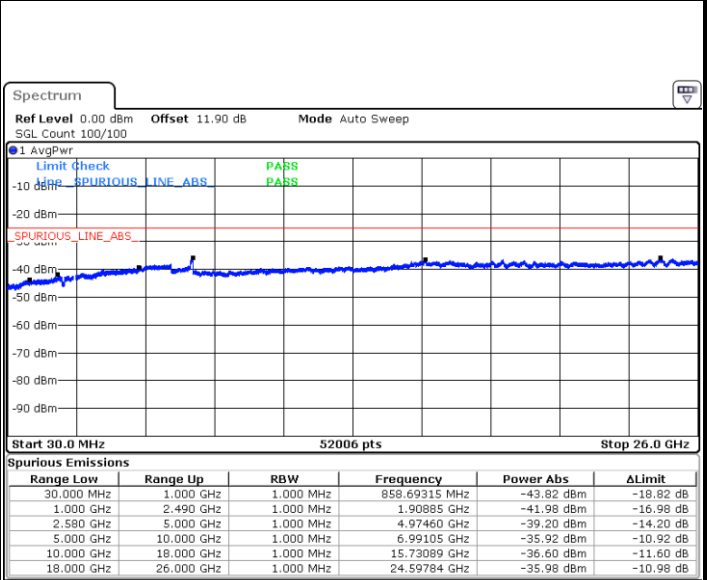
LTE Band7 / 15MHz

Highest Channel / QPSK



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

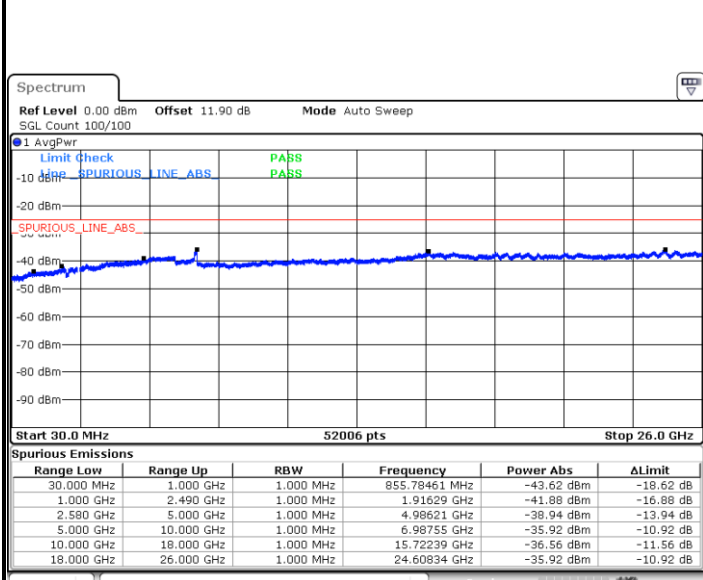
Highest Channel / 16QAM



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

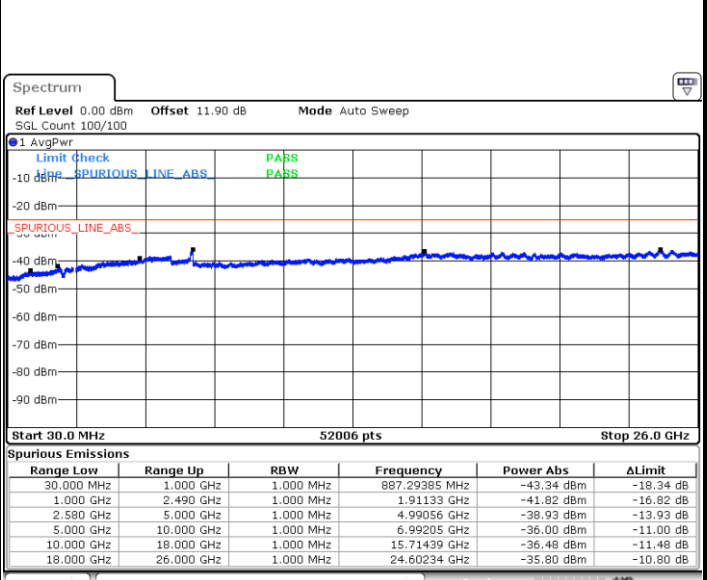
LTE Band 7 / 20MHz

Lowest Channel / QPSK



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

Lowest Channel / 16QAM



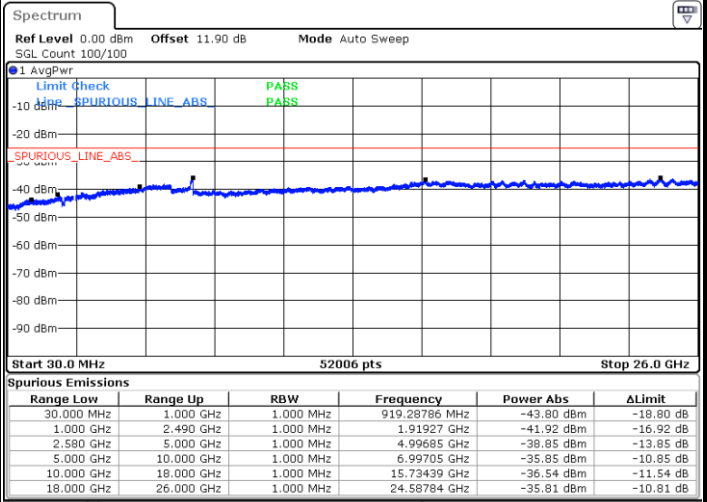
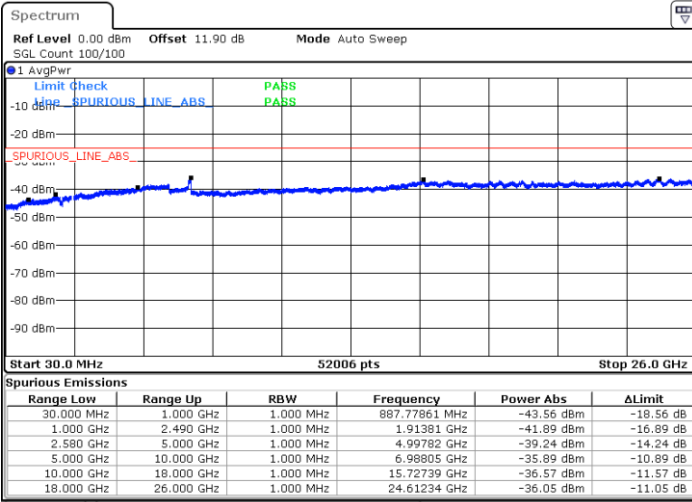
Date: 24.JAN.2020 07:34:51



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

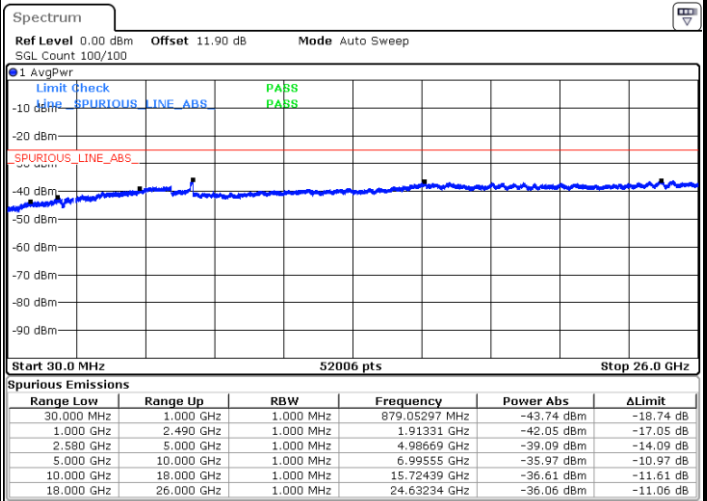
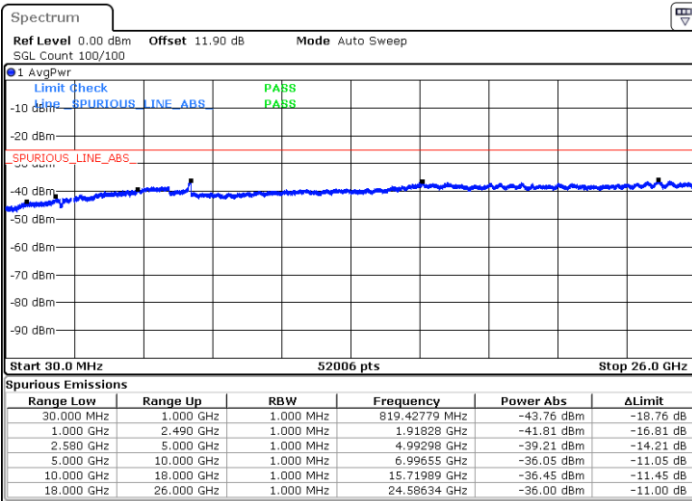


Date: 24.JAN.2020 07:36:47

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

Highest Channel / QPSK

Highest Channel / 16QAM



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

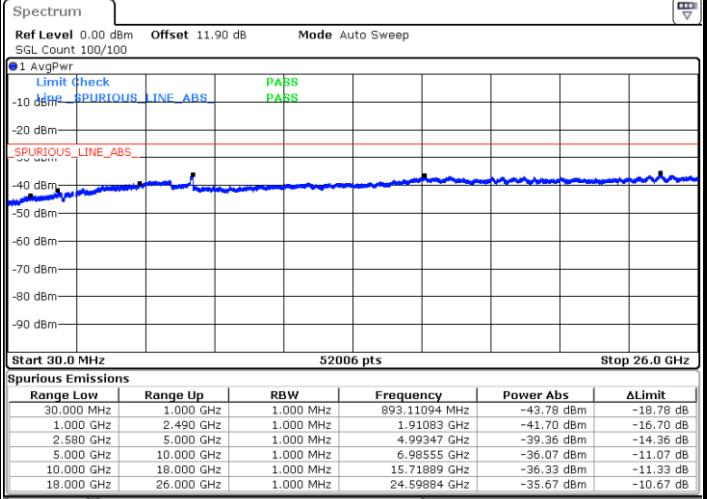
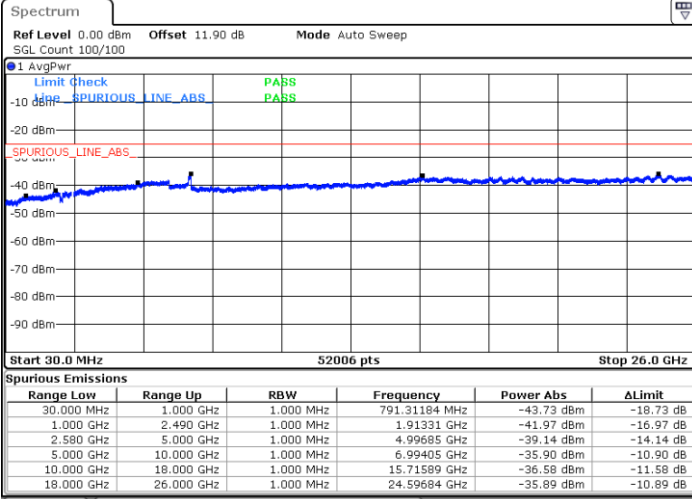
Date: 24.JAN.2020 08:07:59



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

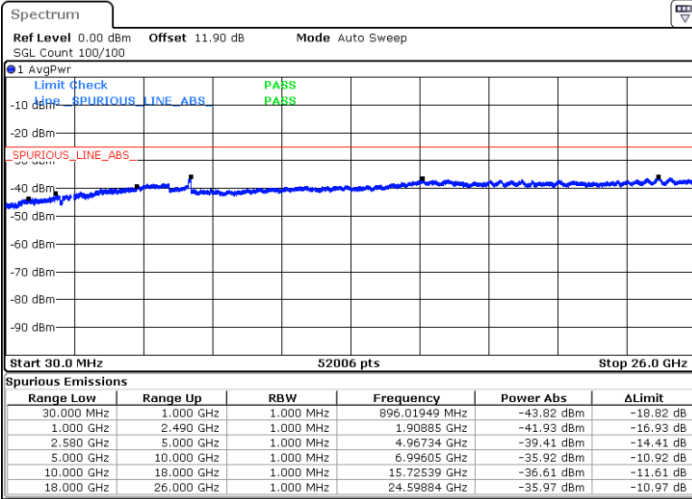
Middle Channel / 64QAM



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

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

Highest Channel / 64QAM



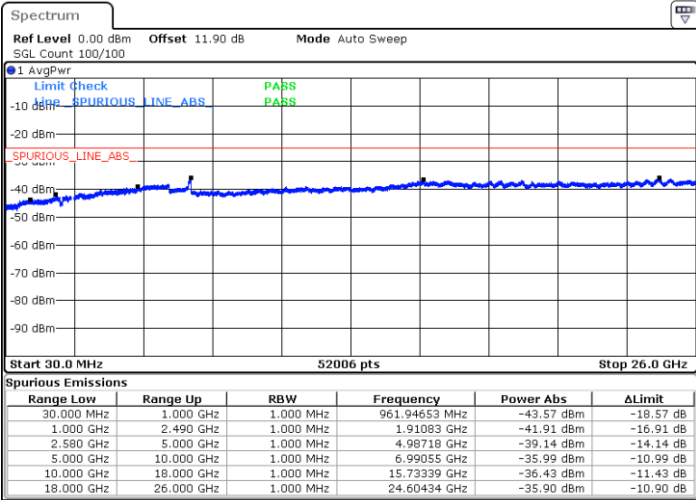
Date: 24.JAN.2020 06:21:27



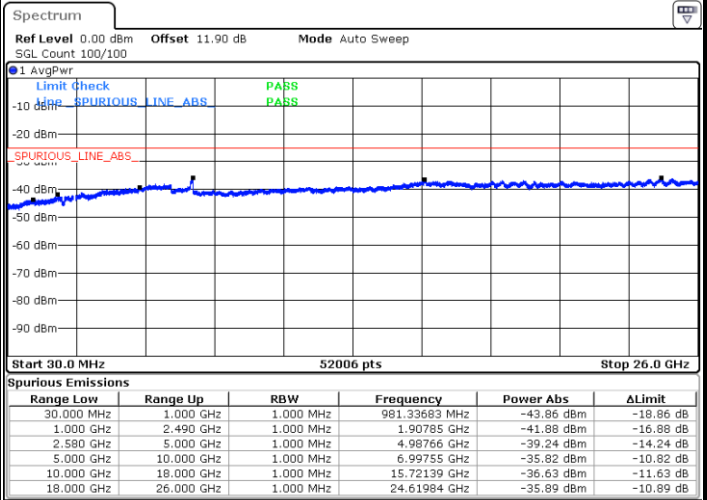
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

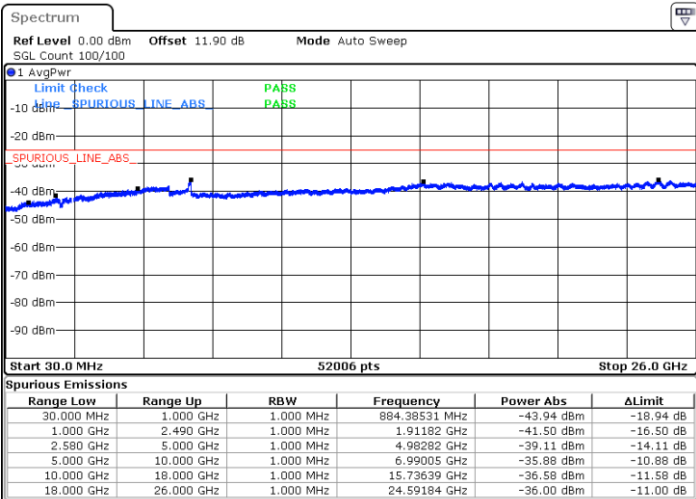


Date: 24.JAN.2020 06:45:31



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

Highest Channel / 64QAM



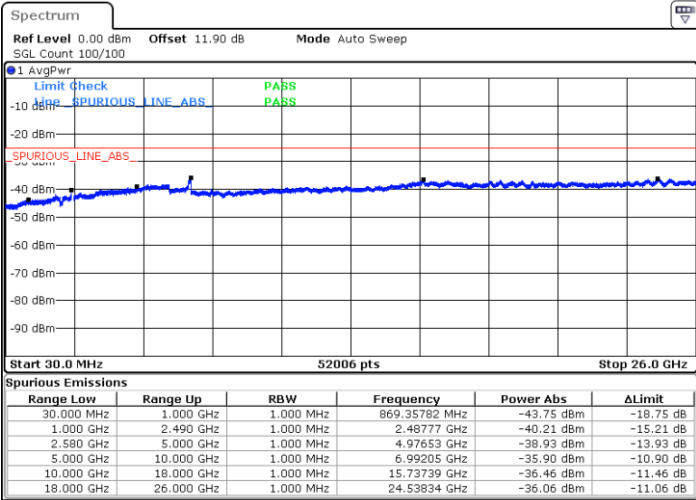
Date: 24.JAN.2020 06:56:32



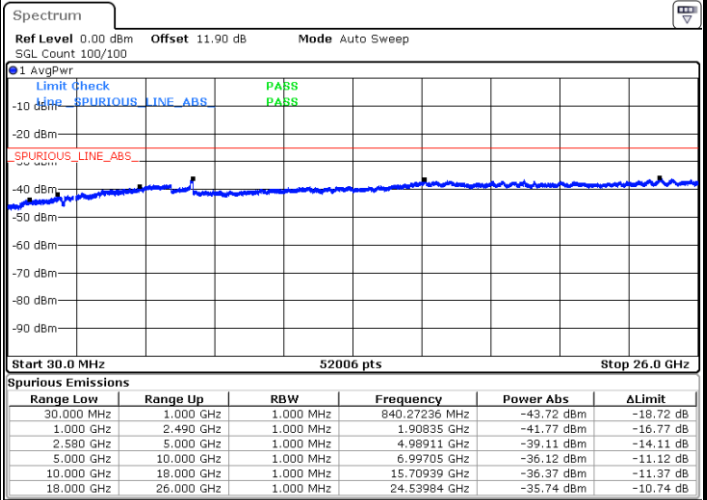
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

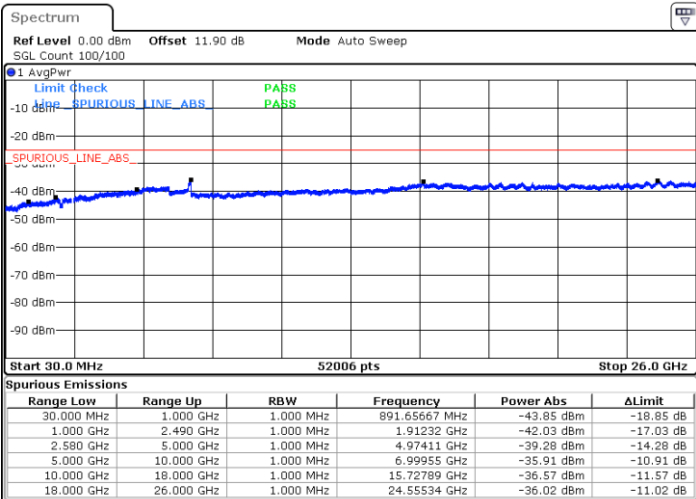


Date: 24.JAN.2020 07:20:38



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

Highest Channel / 64QAM



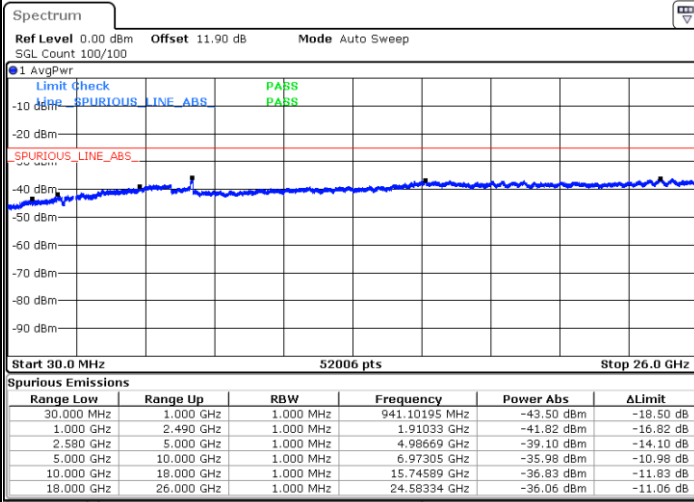
Date: 24.JAN.2020 07:26:21



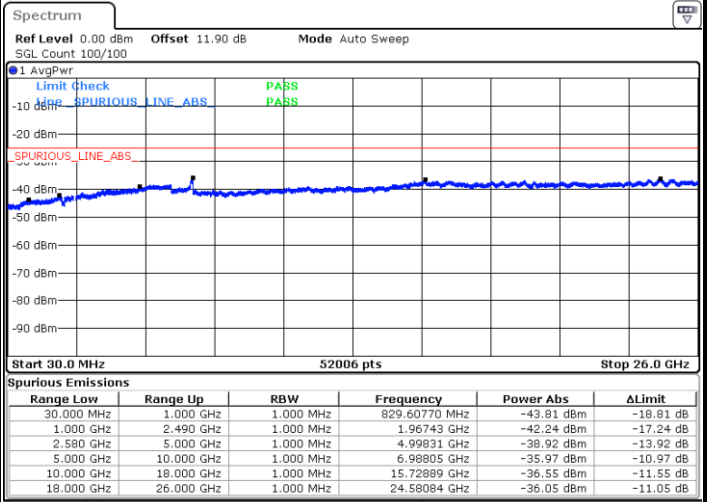
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

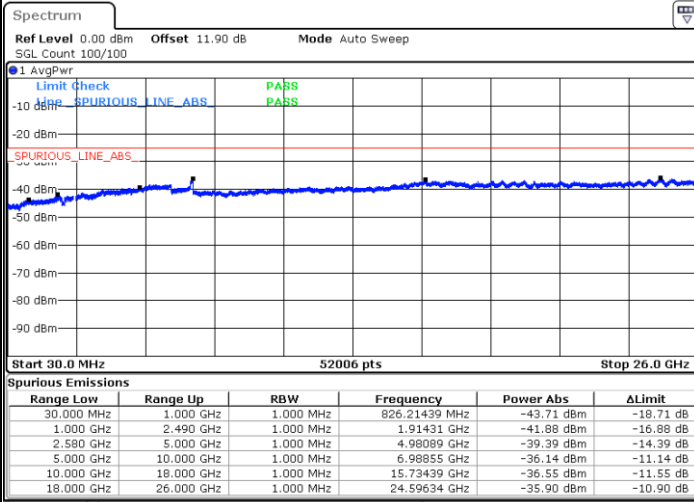


Date: 24.JAN.2020 08:26:42



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	-

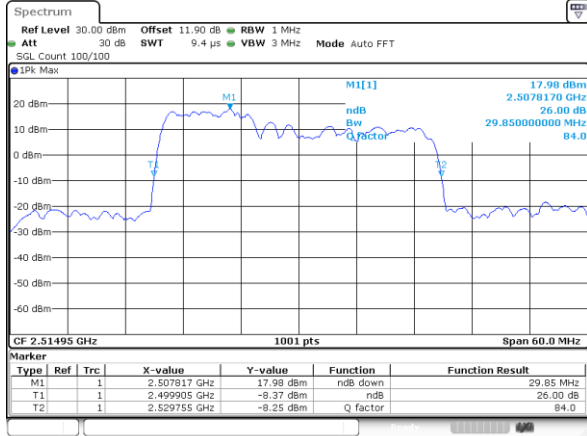
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.91	25.28	30.39	34.76
Middle CH	29.91	25.23	30.39	34.83
Highest CH	29.79	25.13	30.51	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.97	34.90	39.80	-
Middle CH	29.97	34.90	39.72	-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



LTE Band 7C

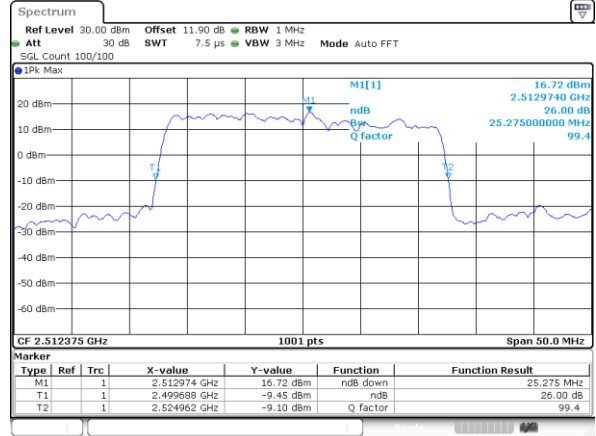
QPSK

Lowest Channel / 10MHz+20MHz



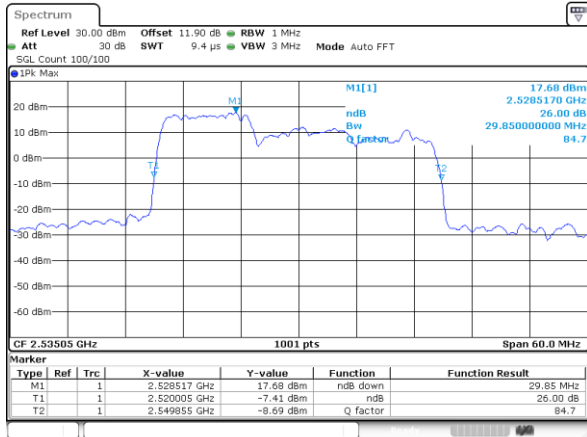
Date: 17_MAR_2020 14:37:03

Lowest Channel / 15MHz+10MHz



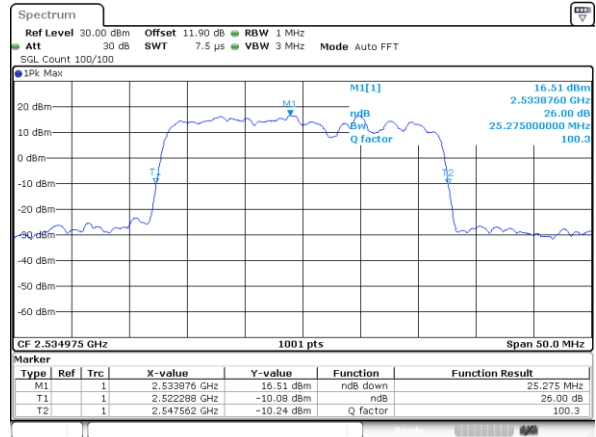
Date: 18_MAR_2020 00:13:00

Middle Channel / 10MHz+20MHz



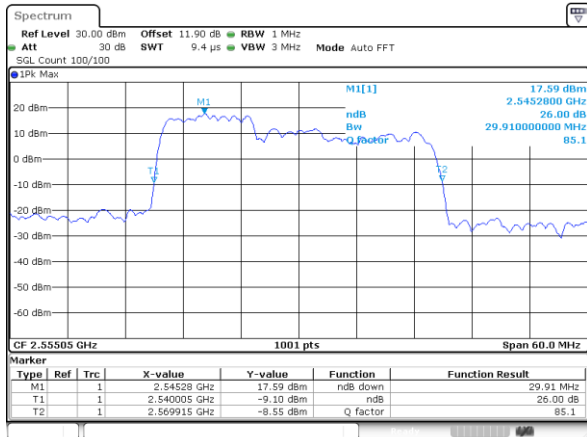
Date: 17_MAR_2020 15:20:57

Middle Channel / 15MHz+10MHz



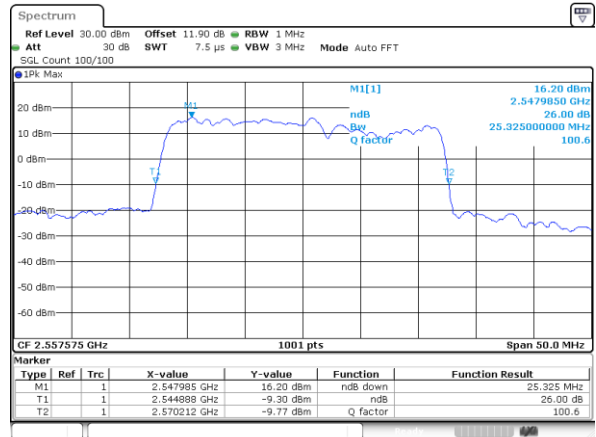
Date: 18_MAR_2020 01:21:00

Highest Channel / 10MHz+20MHz



Date: 17_MAR_2020 15:36:12

Highest Channel / 15MHz+10MHz



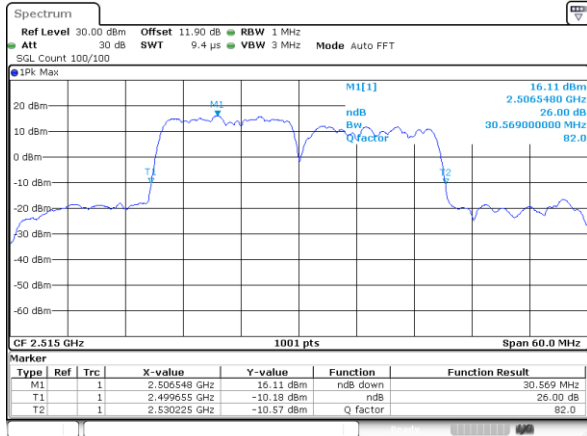
Date: 18_MAR_2020 01:41:04



LTE Band 7C

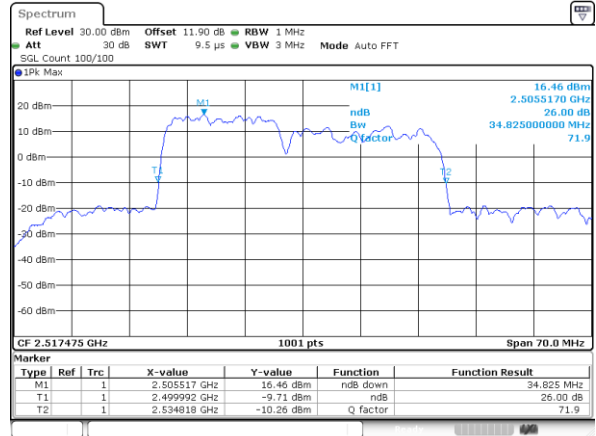
QPSK

Lowest Channel / 15MHz+15MHz



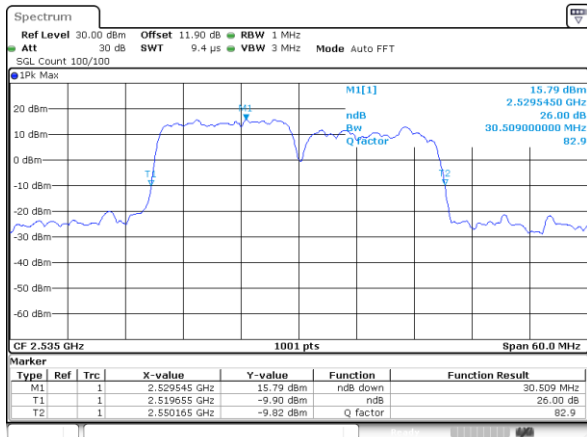
Date: 17_MAR_2020 18:02:17

Lowest Channel / 15MHz+20MHz



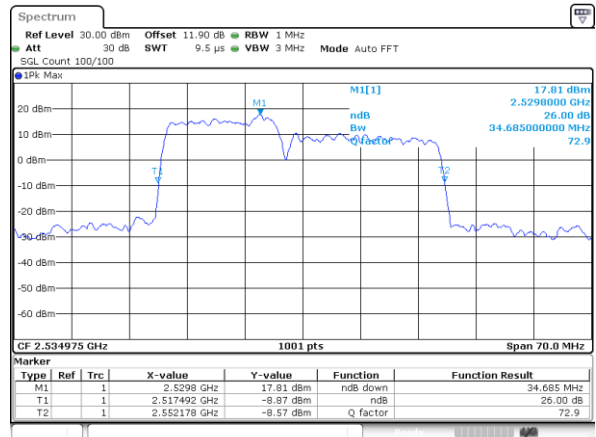
Date: 17_MAR_2020 19:08:15

Middle Channel / 15MHz+15MHz



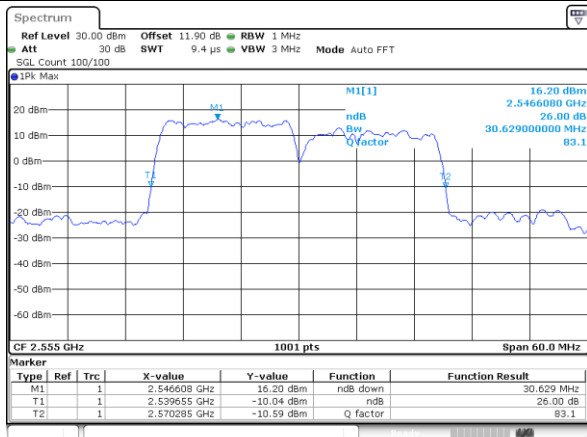
Date: 17_MAR_2020 18:26:17

Middle Channel / 15MHz+20MHz



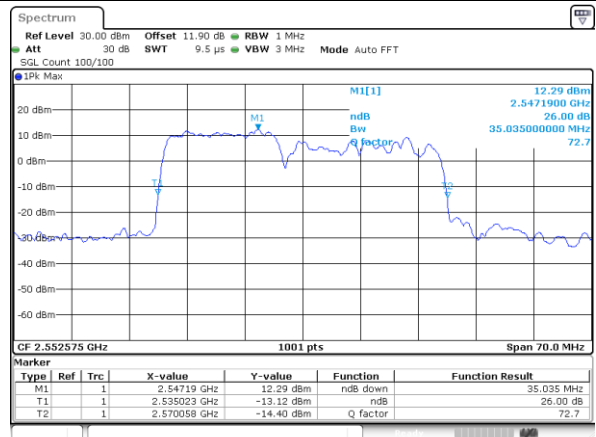
Date: 17_MAR_2020 20:05:53

Highest Channel / 15MHz+15MHz



Date: 17_MAR_2020 18:39:49

Highest Channel / 15MHz+20MHz



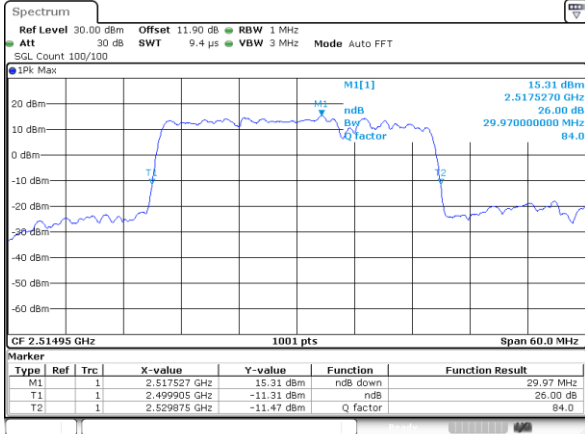
Date: 17_MAR_2020 19:36:06



LTE Band 7C

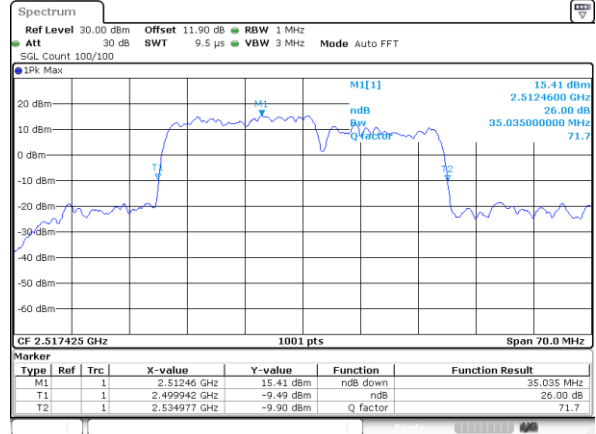
QPSK

Lowest Channel / 20MHz+10MHz



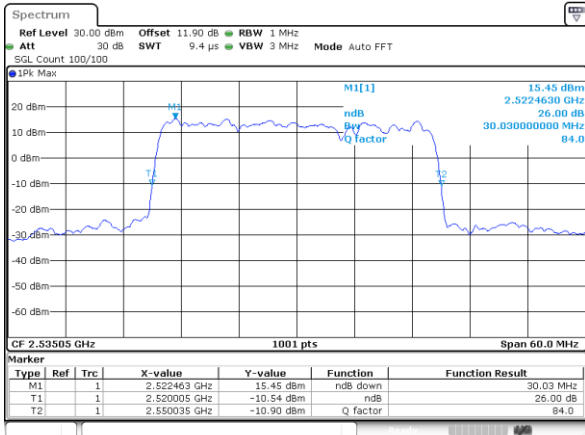
Date: 17_MAR_2020 16:04:39

Lowest Channel / 20MHz+15MHz



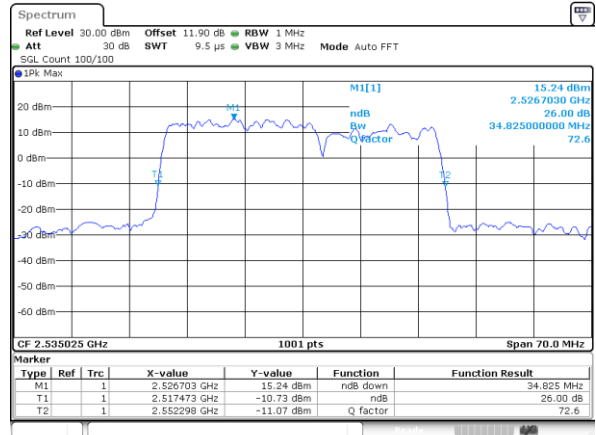
Date: 17_MAR_2020 20:52:29

Middle Channel / 20MHz+10MHz



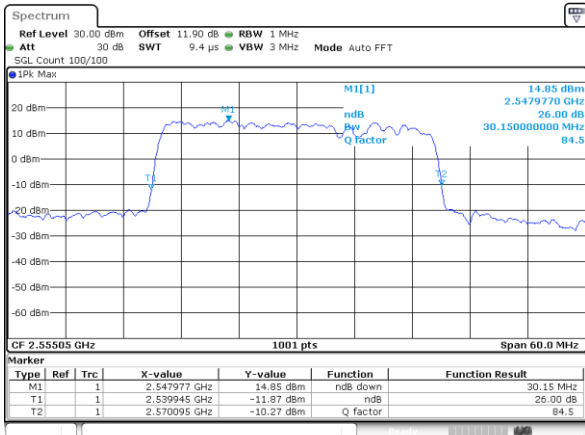
Date: 17_MAR_2020 16:27:51

Middle Channel / 20MHz+15MHz



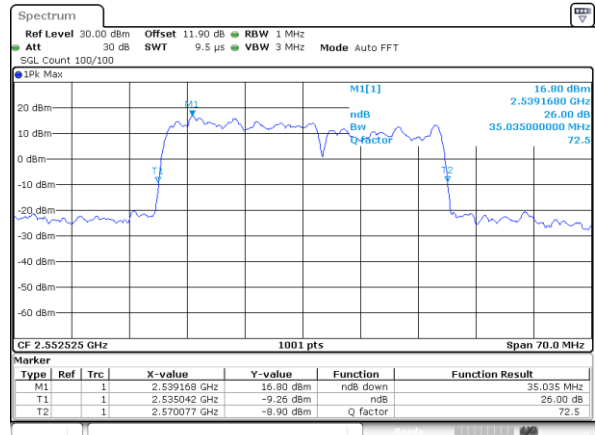
Date: 17_MAR_2020 21:16:53

Highest Channel / 20MHz+10MHz



Date: 17_MAR_2020 16:41:25

Highest Channel / 20MHz+15MHz



Date: 17_MAR_2020 21:32:22

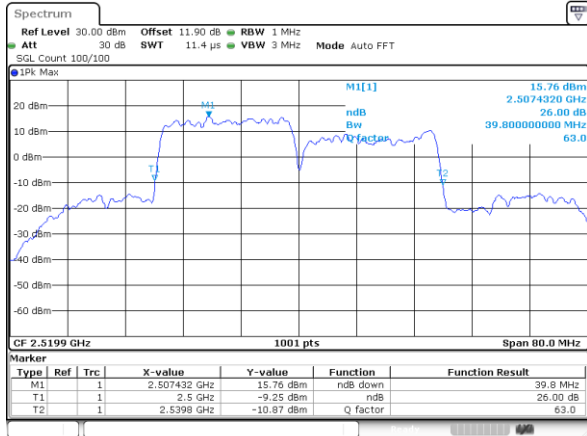


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

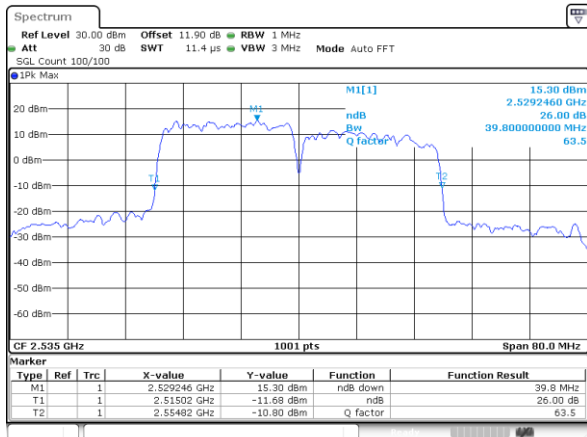
N/A



Date: 17_MAR_2020 23:21:33

Middle Channel / 20MHz+20MHz

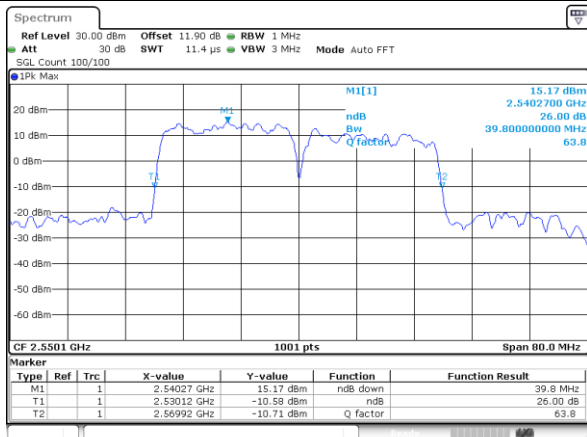
N/A



Date: 17_MAR_2020 23:49:43

Highest Channel / 20MHz+20MHz

N/A



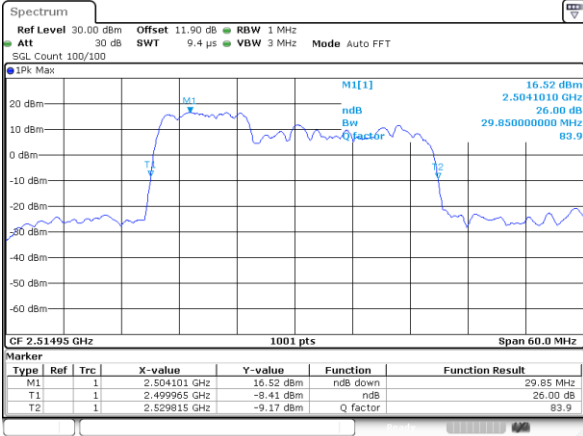
Date: 18_MAR_2020 00:07:44



LTE Band 7C

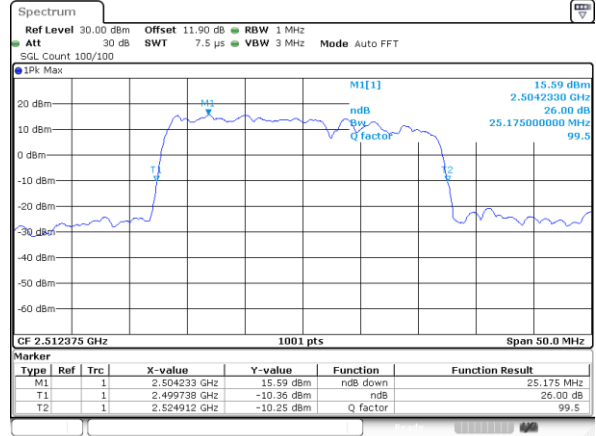
16QAM

Lowest Channel / 10MHz+20MHz



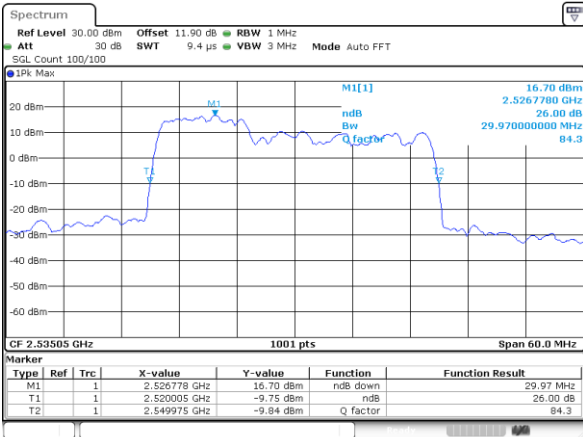
Date: 17_MAR_2020 14:36:40

Lowest Channel / 15MHz+10MHz



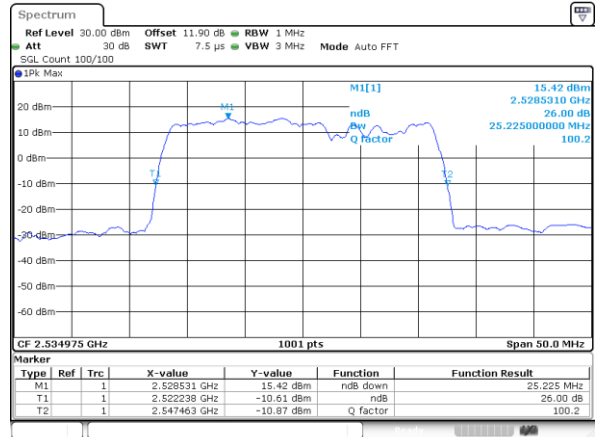
Date: 18_MAR_2020 00:38:37

Middle Channel / 10MHz+20MHz



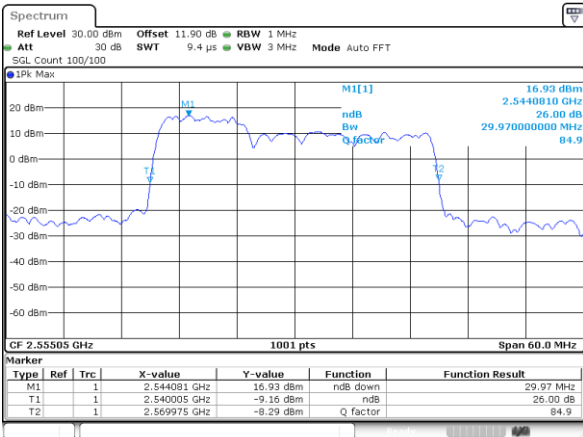
Date: 17_MAR_2020 15:20:34

Middle Channel / 15MHz+10MHz



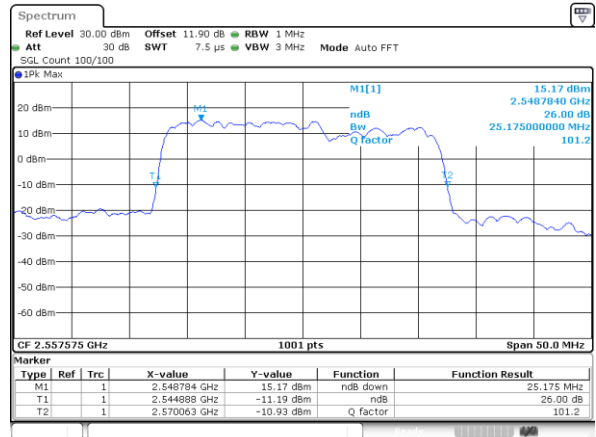
Date: 18_MAR_2020 01:20:37

Highest Channel / 10MHz+20MHz



Date: 17_MAR_2020 15:36:35

Highest Channel / 15MHz+10MHz



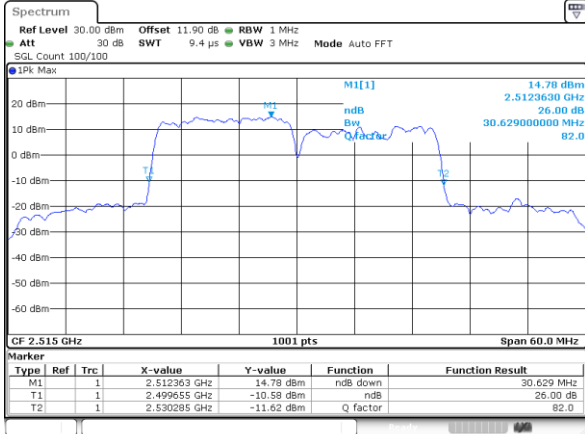
Date: 18_MAR_2020 01:41:27



LTE Band 7C

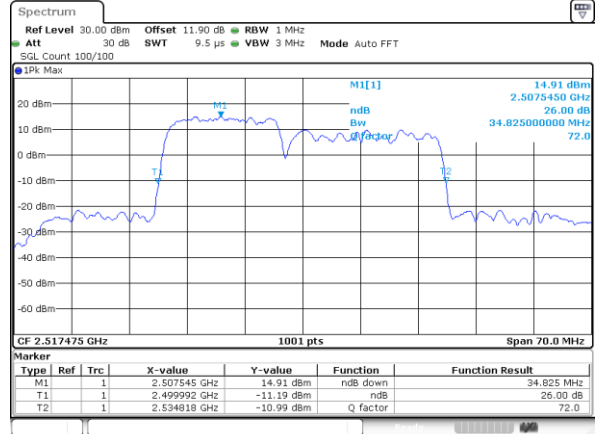
16QAM

Lowest Channel / 15MHz+15MHz



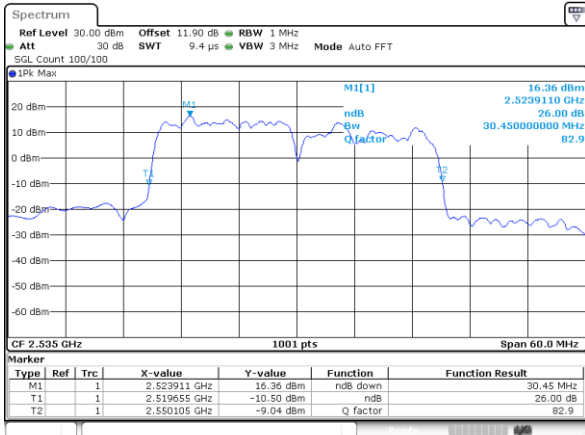
Date: 17_MAR_2020 18:01:51

Lowest Channel / 15MHz+20MHz



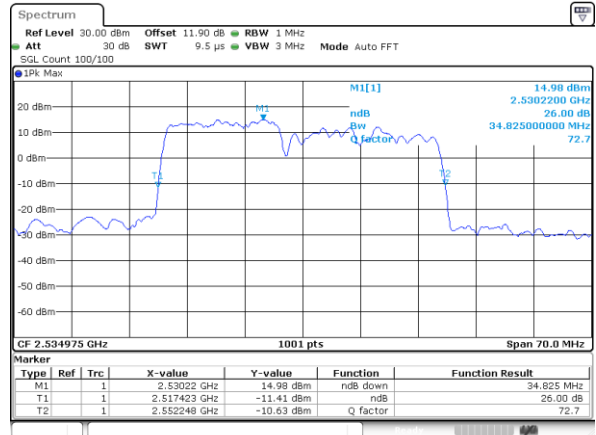
Date: 17_MAR_2020 19:07:52

Middle Channel / 15MHz+15MHz



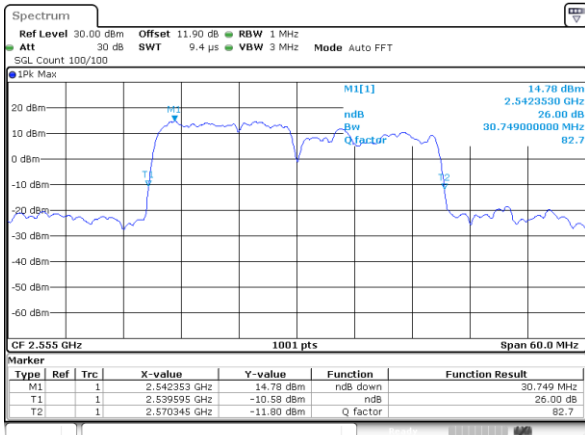
Date: 17_MAR_2020 18:25:51

Middle Channel / 15MHz+20MHz



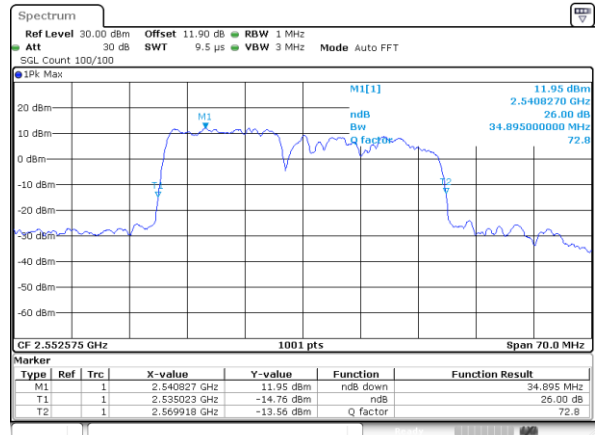
Date: 17_MAR_2020 20:05:30

Highest Channel / 15MHz+15MHz



Date: 17_MAR_2020 18:40:15

Highest Channel / 15MHz+20MHz



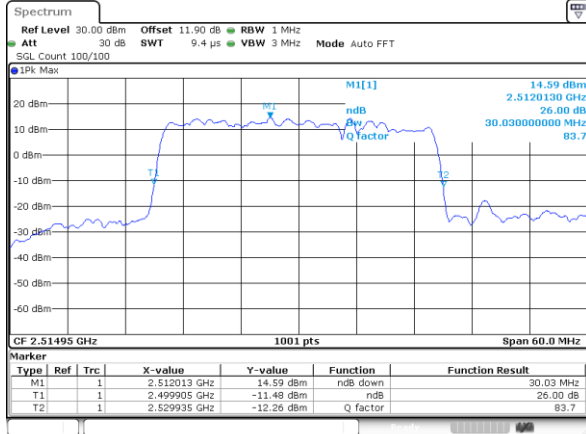
Date: 17_MAR_2020 19:36:29



LTE Band 7C

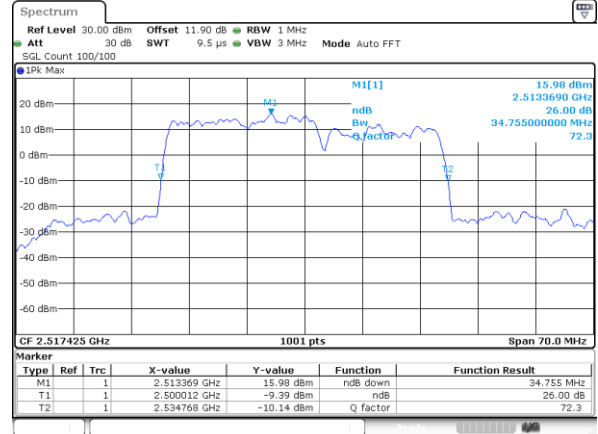
16QAM

Lowest Channel / 20MHz+10MHz



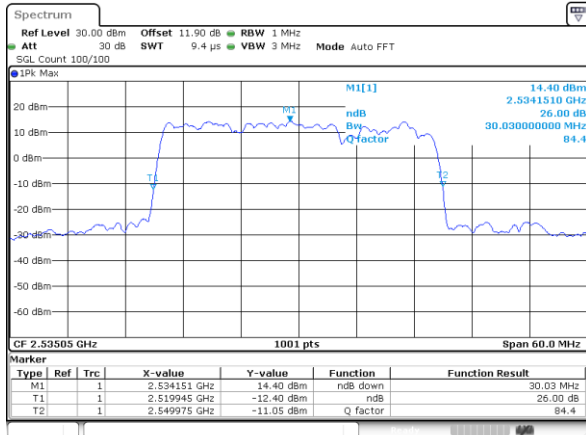
Date: 17_MAR_2020 16:04:13

Lowest Channel / 20MHz+15MHz



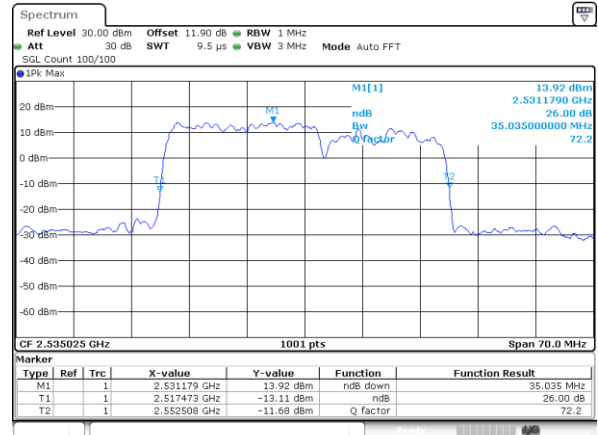
Date: 17_MAR_2020 20:52:06

Middle Channel / 20MHz+10MHz



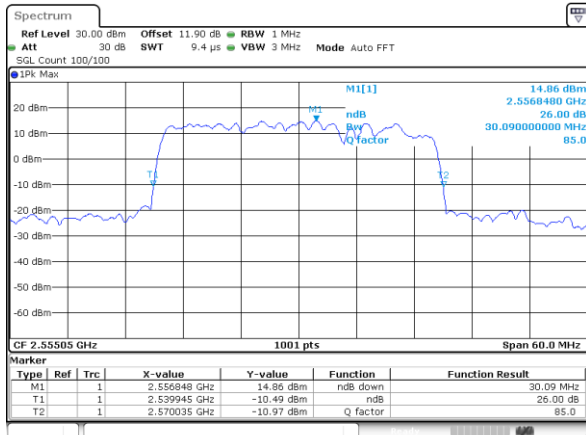
Date: 17_MAR_2020 16:27:25

Middle Channel / 20MHz+15MHz



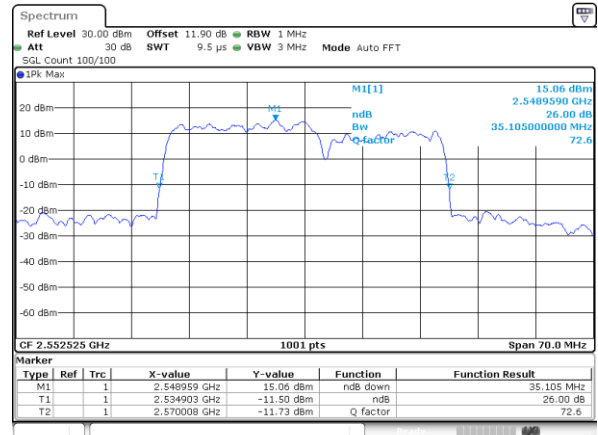
Date: 17_MAR_2020 21:16:30

Highest Channel / 20MHz+10MHz



Date: 17_MAR_2020 16:41:51

Highest Channel / 20MHz+15MHz



Date: 17_MAR_2020 21:32:45

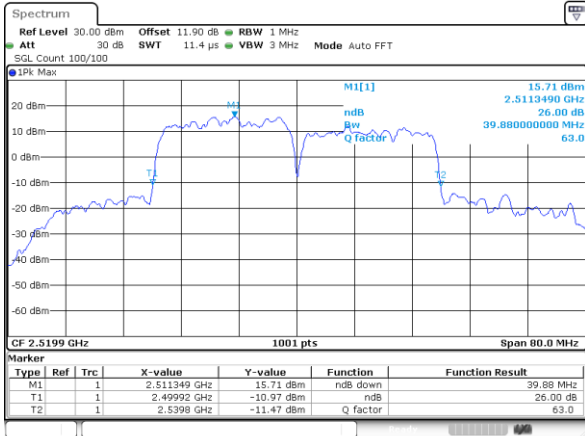


LTE Band 7C

16QAM

Lowest Channel / 20MHz+20MHz

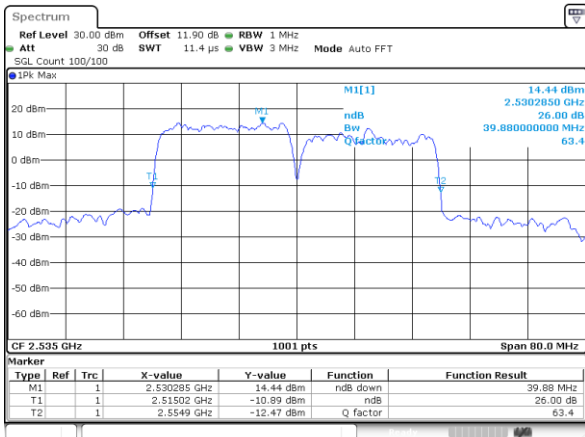
N/A



Date: 17_MAR_2020 23:21:10

Middle Channel / 20MHz+20MHz

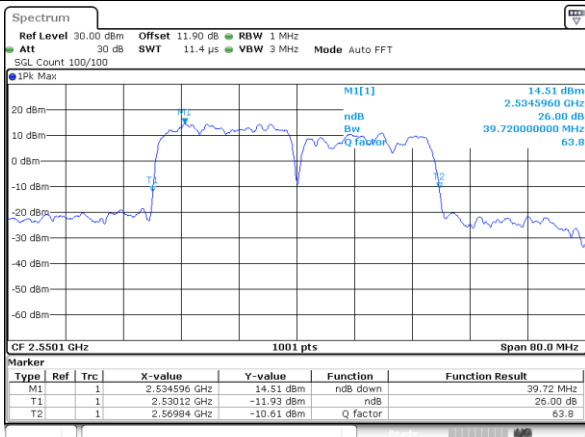
N/A



Date: 17_MAR_2020 23:49:20

Highest Channel / 20MHz+20MHz

N/A



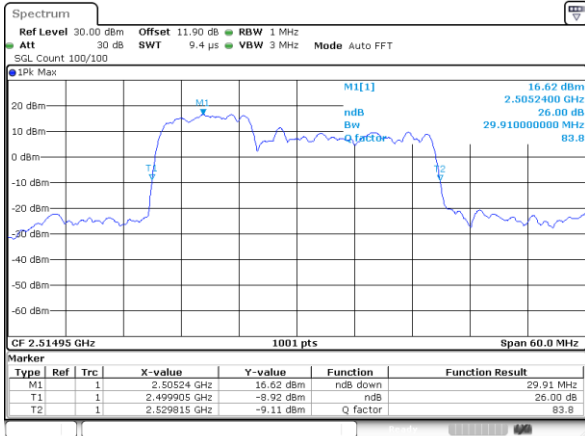
Date: 18_MAR_2020 00:08:07



LTE Band 7C

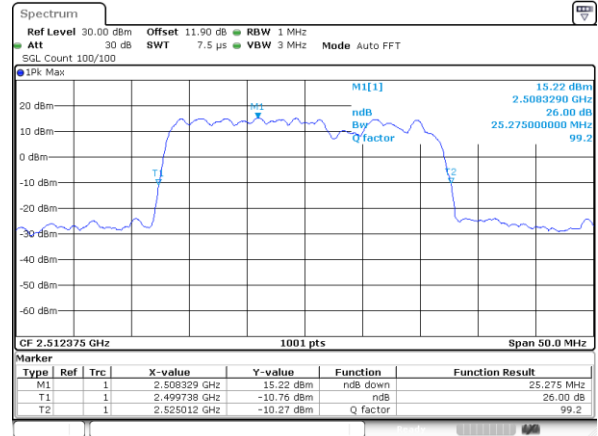
64QAM

Lowest Channel / 10MHz+20MHz



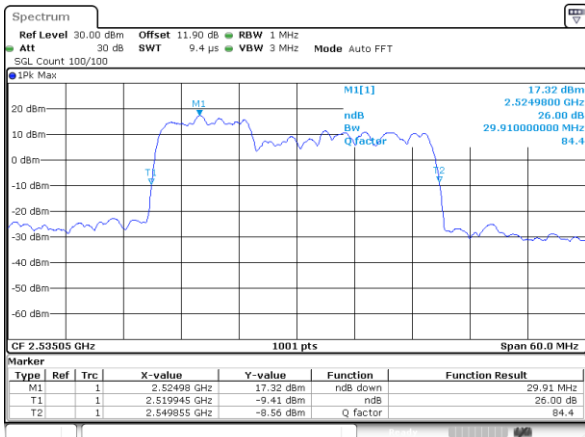
Date: 17_MAR_2020 14:36:17

Lowest Channel / 15MHz+10MHz



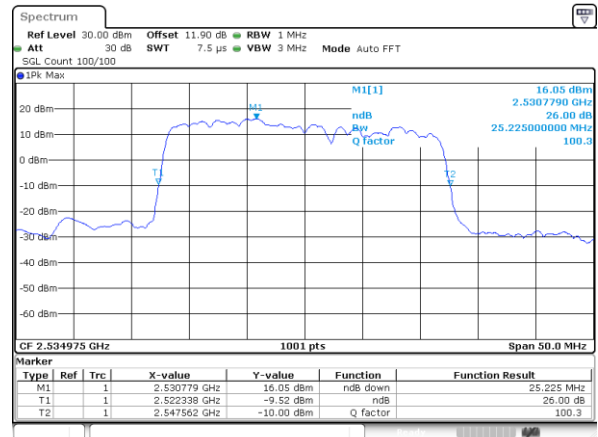
Date: 18_MAR_2020 00:38:15

Middle Channel / 10MHz+20MHz



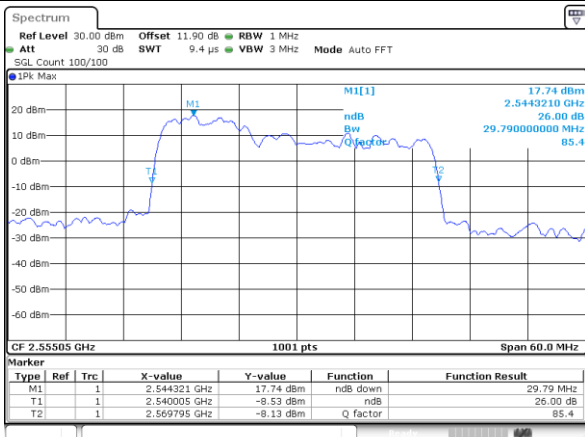
Date: 17_MAR_2020 15:20:11

Middle Channel / 15MHz+10MHz



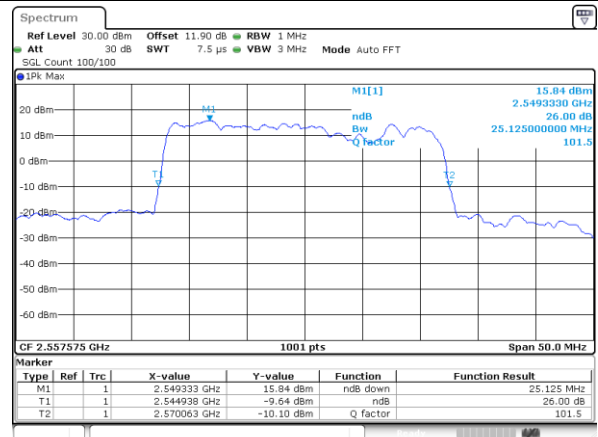
Date: 18_MAR_2020 01:20:14

Highest Channel / 10MHz+20MHz



Date: 17_MAR_2020 15:36:58

Highest Channel / 15MHz+10MHz



Date: 18_MAR_2020 01:41:50