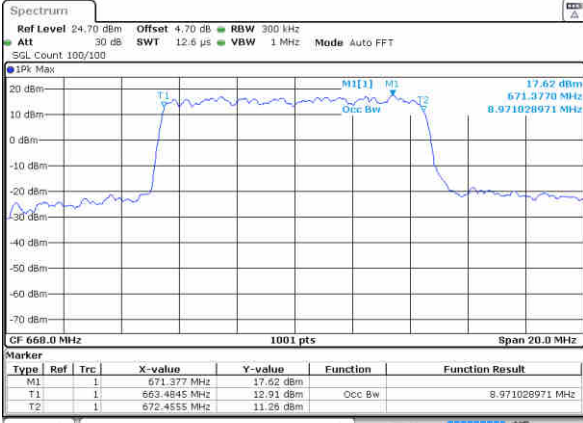




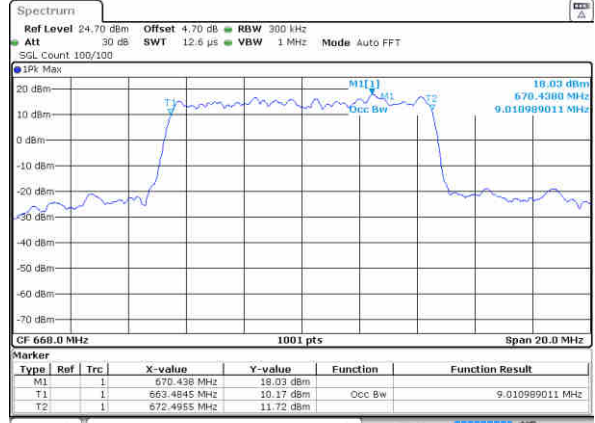
LTE Band 71

Lowest Channel / 10MHz / QPSK



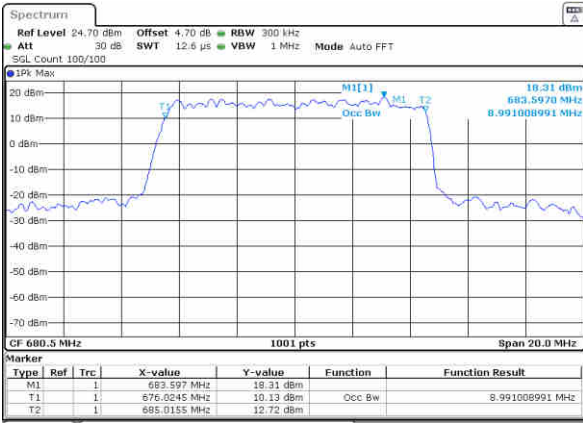
Date: 6 FEB 2020 01:21:38

Lowest Channel / 10MHz / 16QAM



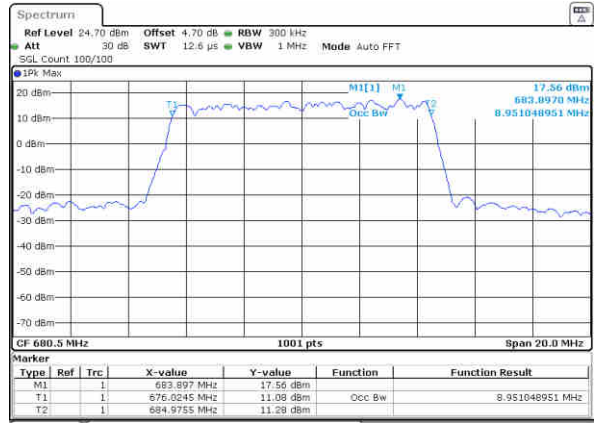
Date: 6 FEB 2020 01:20:41

Middle Channel / 10MHz / QPSK



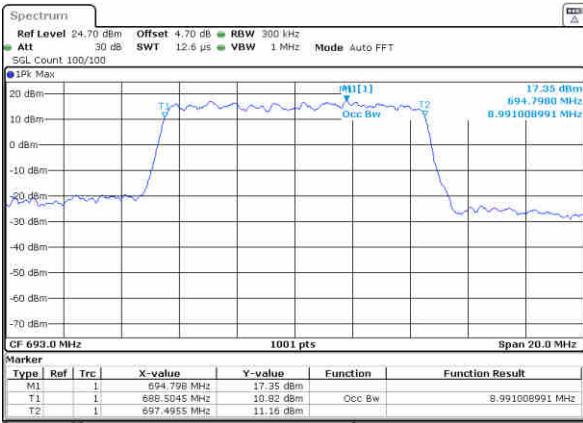
Date: 6 FEB 2020 01:33:29

Middle Channel / 10MHz / 16QAM



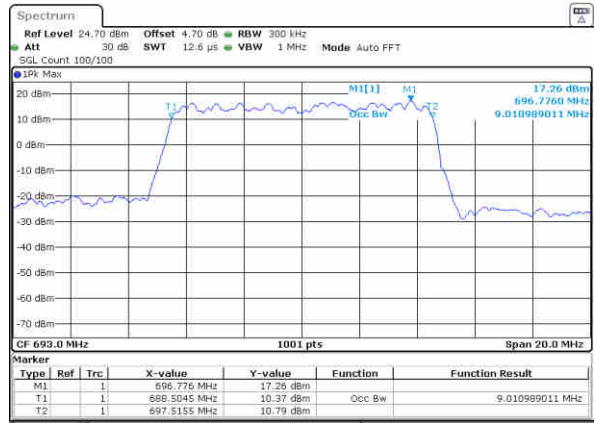
Date: 6 FEB 2020 01:33:46

Highest Channel / 10MHz / QPSK



Date: 6 FEB 2020 01:36:21

Highest Channel / 10MHz / 16QAM

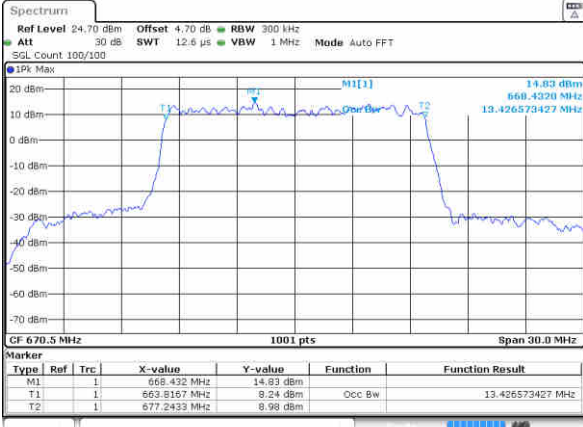


Date: 6 FEB 2020 01:35:26



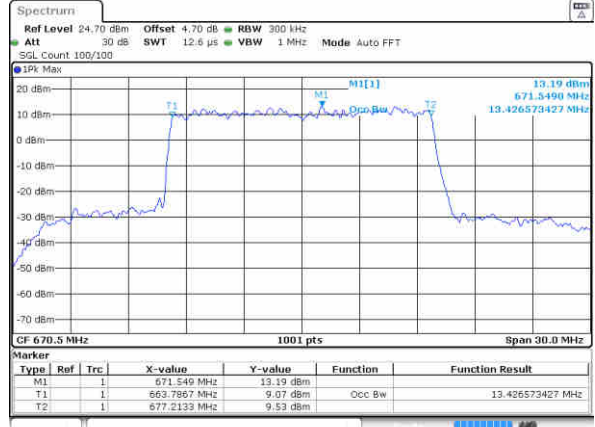
LTE Band 71

Lowest Channel / 15MHz / QPSK



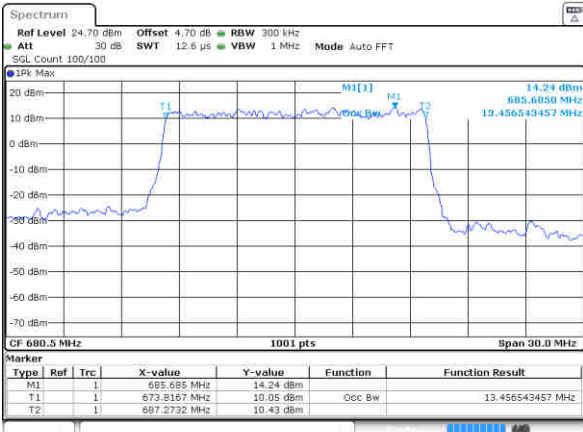
Date: 6 FEB 2020 02:04:21

Lowest Channel / 15MHz / 16QAM



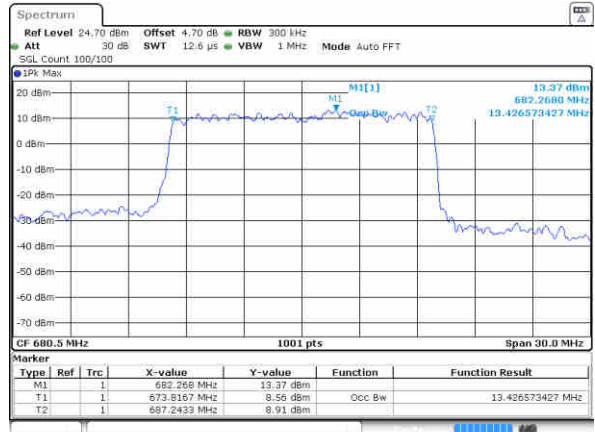
Date: 6 FEB 2020 02:05:15

Middle Channel / 15MHz / QPSK



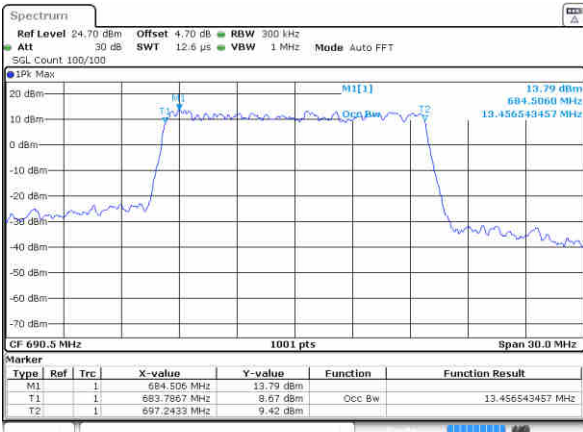
Date: 6 FEB 2020 02:16:32

Middle Channel / 15MHz / 16QAM



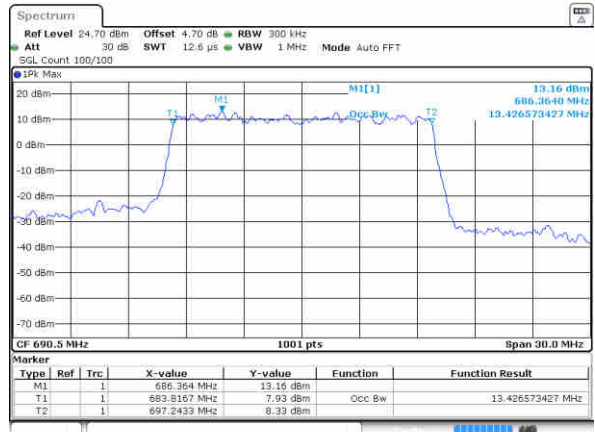
Date: 6 FEB 2020 02:16:16

Highest Channel / 15MHz / QPSK



Date: 6 FEB 2020 02:17:09

Highest Channel / 15MHz / 16QAM

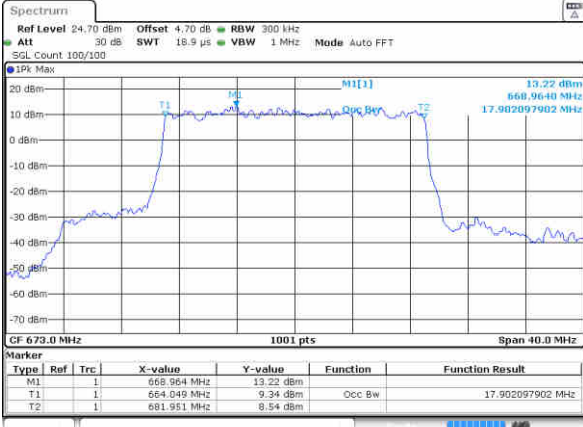


Date: 6 FEB 2020 02:18:12



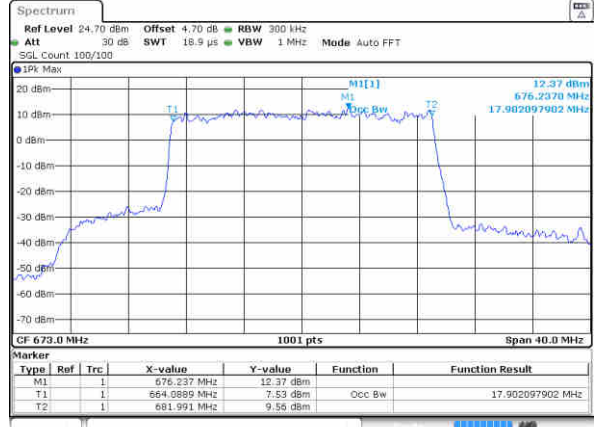
LTE Band 71

Lowest Channel / 20MHz / QPSK



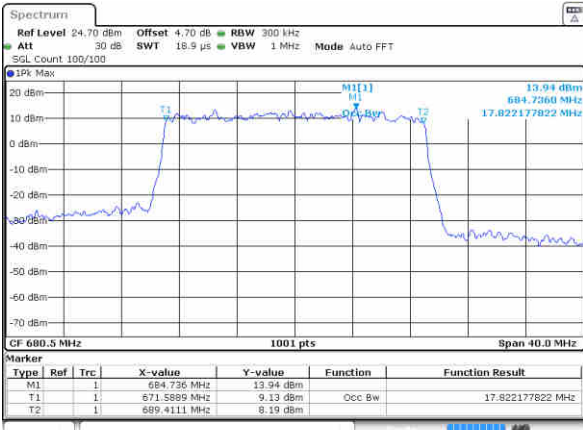
Date: 6 FEB 2020 02:29:25

Lowest Channel / 20MHz / 16QAM



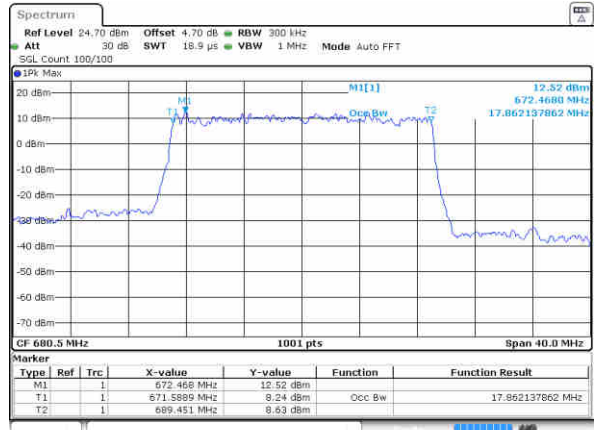
Date: 6 FEB 2020 02:28:19

Middle Channel / 20MHz / QPSK



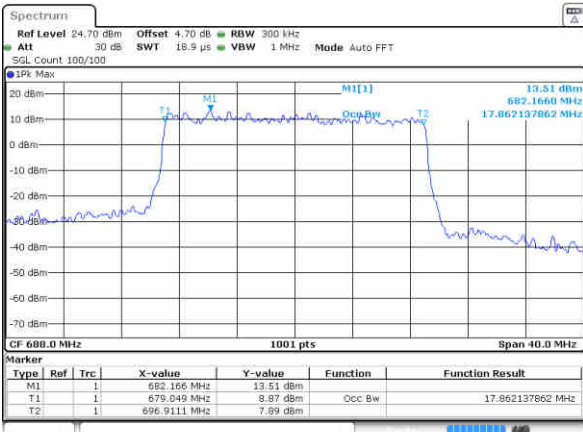
Date: 6 FEB 2020 02:36:03

Middle Channel / 20MHz / 16QAM



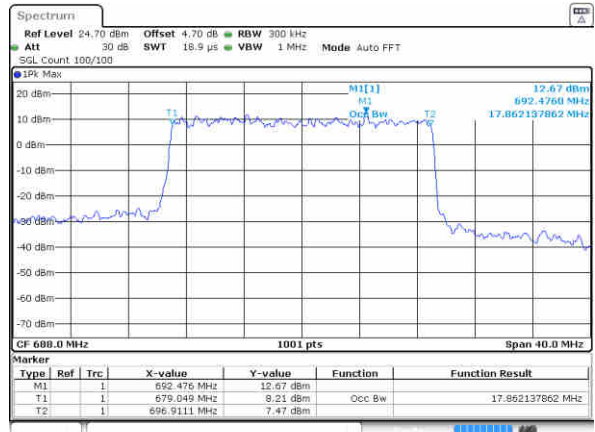
Date: 6 FEB 2020 02:36:36

Highest Channel / 20MHz / QPSK



Date: 6 FEB 2020 02:40:12

Highest Channel / 20MHz / 16QAM

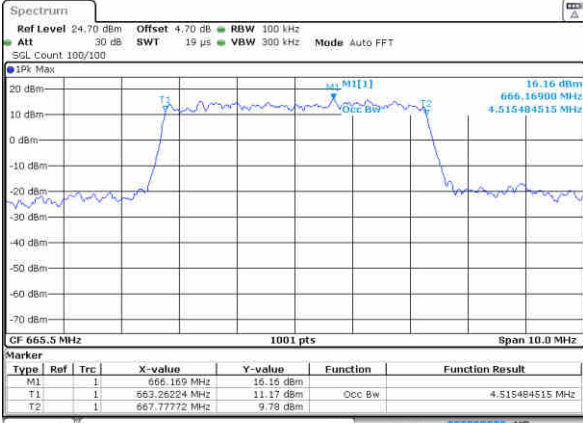


Date: 6 FEB 2020 02:39:05



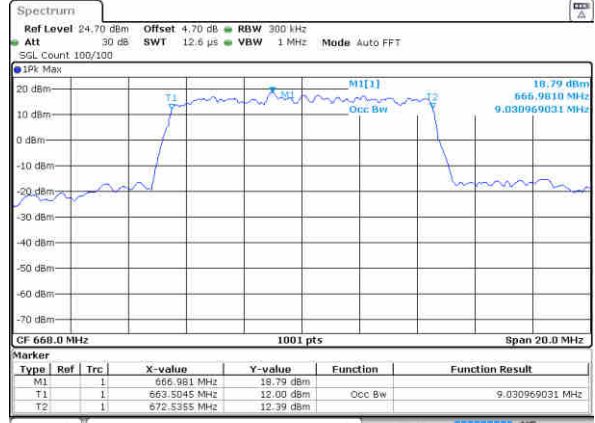
LTE Band 71

Lowest Channel / 5MHz / 64QAM



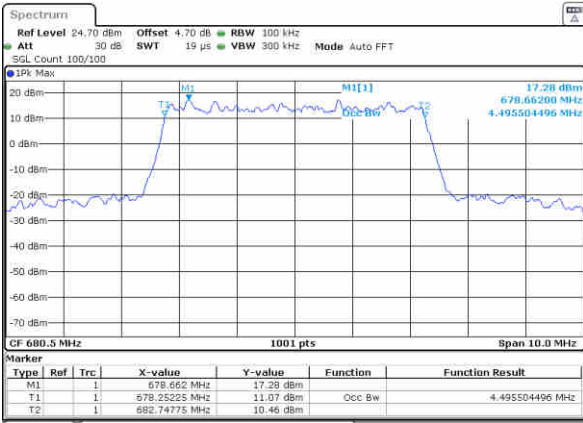
Date: 6 FEB 2020 01:00:56

Lowest Channel / 10MHz / 64QAM



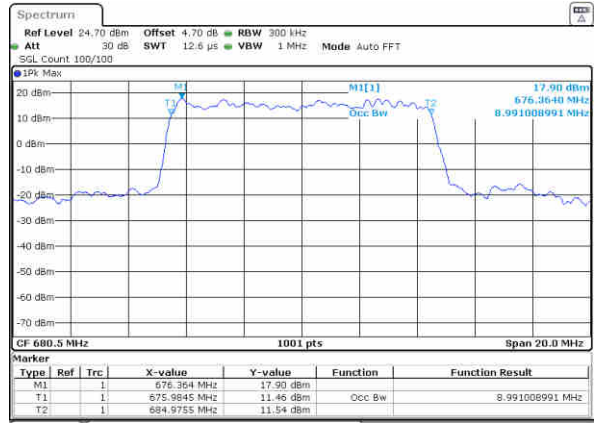
Date: 6 FEB 2020 01:19:45

Middle Channel / 5MHz / 64QAM



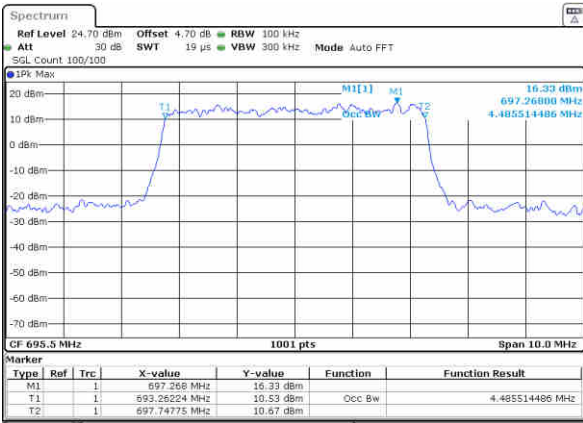
Date: 6 FEB 2020 01:09:16

Middle Channel / 10MHz / 64QAM



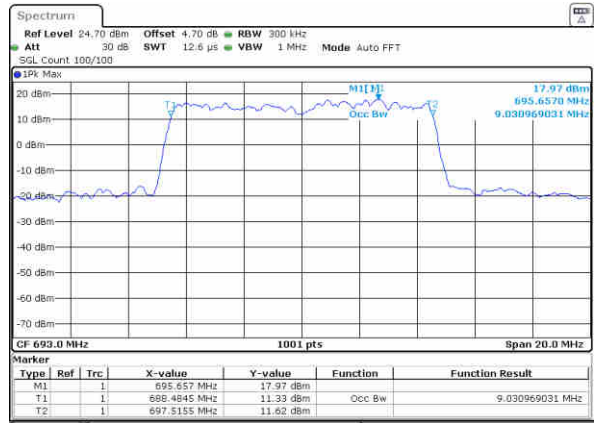
Date: 6 FEB 2020 01:34:05

Highest Channel / 5MHz / 64QAM



Date: 6 FEB 2020 01:14:40

Highest Channel / 10MHz / 64QAM

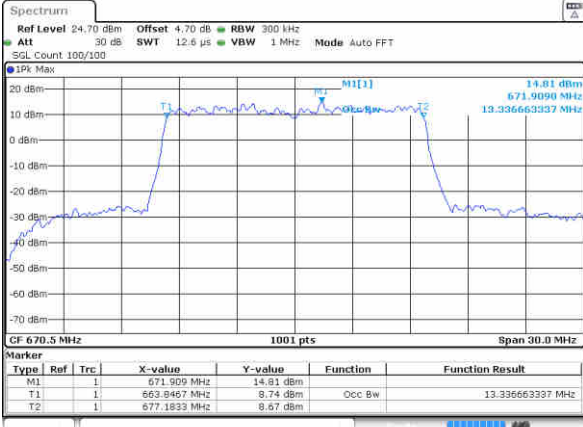


Date: 6 FEB 2020 01:34:33



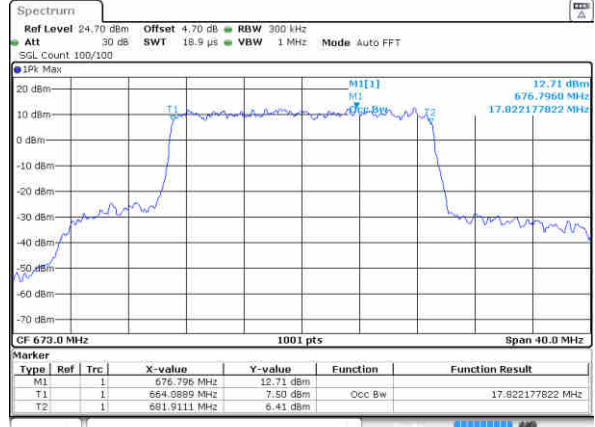
LTE Band 71

Lowest Channel / 15MHz / 64QAM



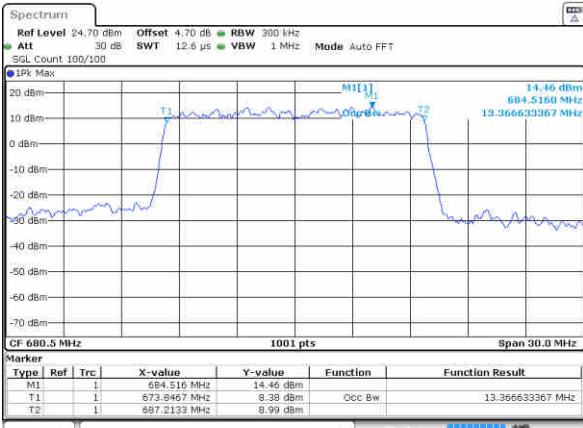
Date: 6 FEB 2020 02:06:07

Lowest Channel / 20MHz / 64QAM



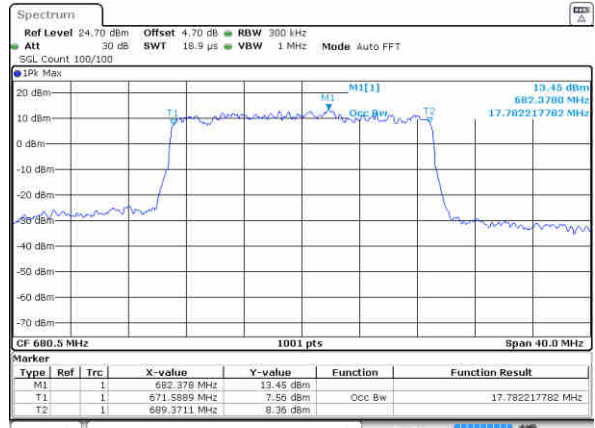
Date: 6 FEB 2020 02:27:10

Middle Channel / 15MHz / 64QAM



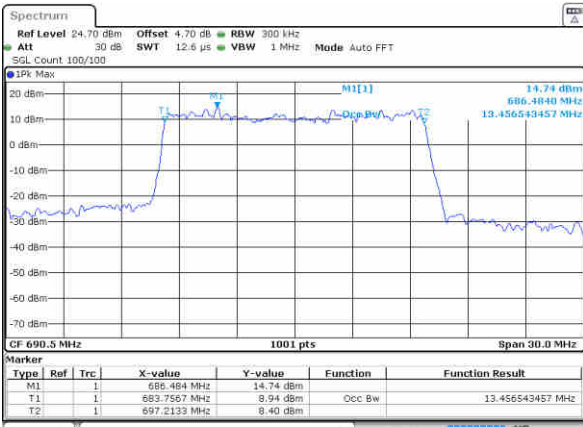
Date: 6 FEB 2020 02:16:00

Middle Channel / 20MHz / 64QAM



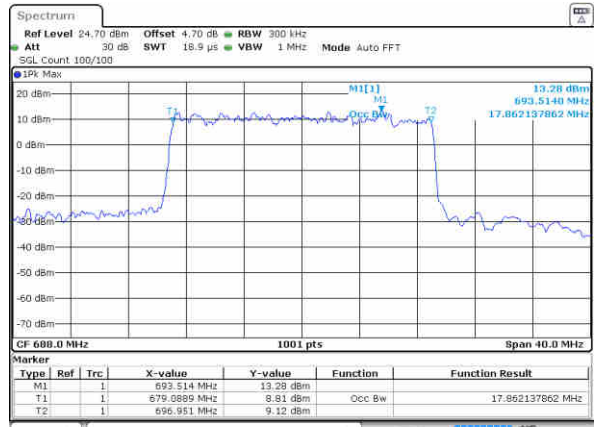
Date: 6 FEB 2020 02:37:12

Highest Channel / 15MHz / 64QAM



Date: 6 FEB 2020 02:19:10

Highest Channel / 20MHz / 64QAM



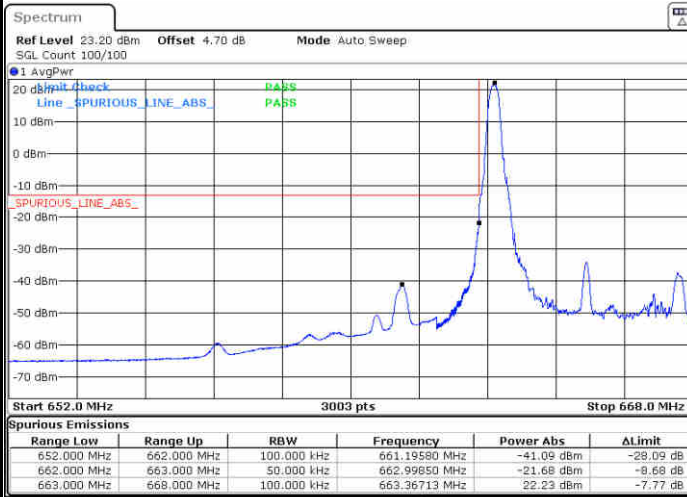
Date: 6 FEB 2020 02:37:58



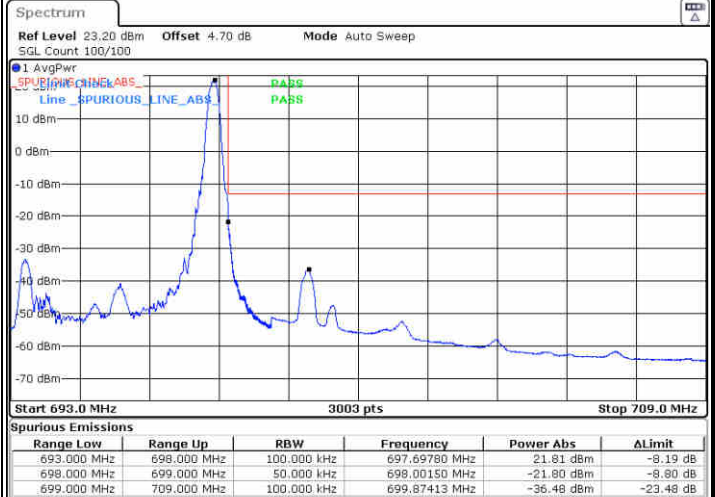
Conducted Band Edge

LTE Band 71 / 5MHz / QPSK

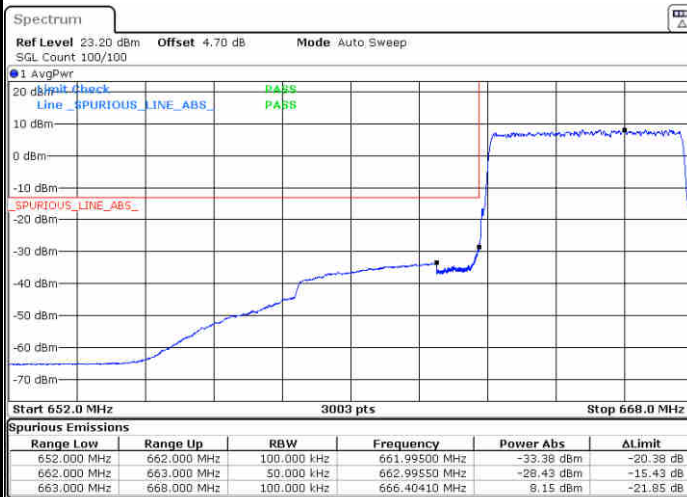
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



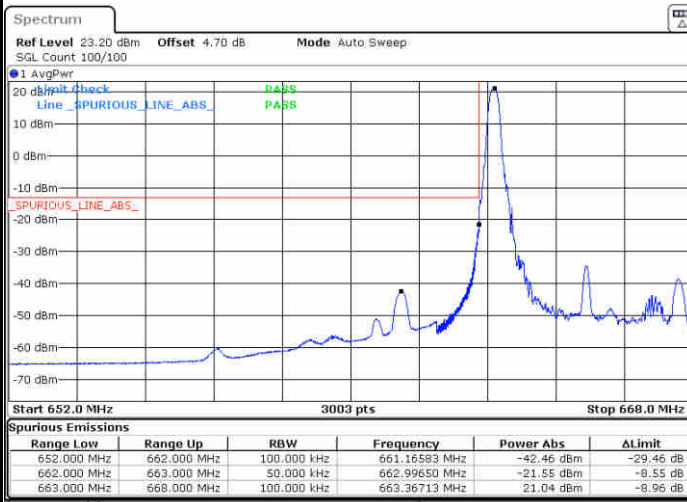
Highest Band Edge / Full RB





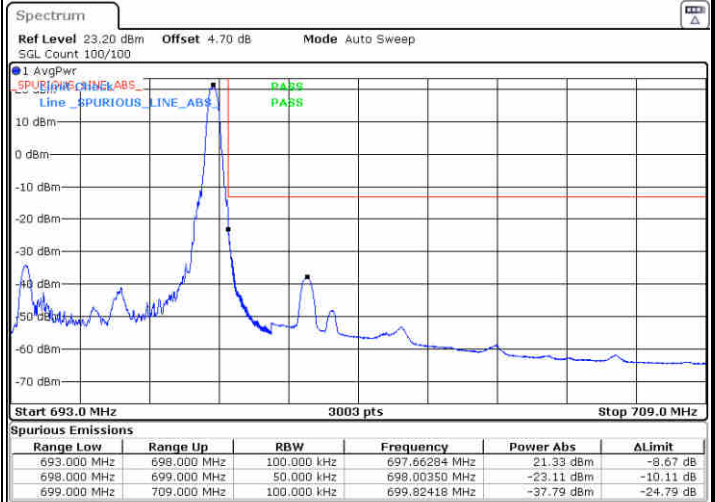
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



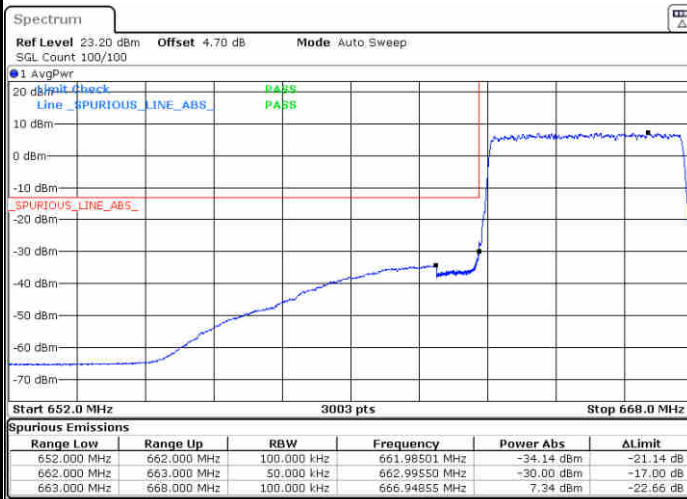
Date: 6 FEB 2020 01:04:29

Highest Band Edge / 1 RB



Date: 6 FEB 2020 01:18:24

Lowest Band Edge / Full RB



Date: 6 FEB 2020 01:00:35

Highest Band Edge / Full RB

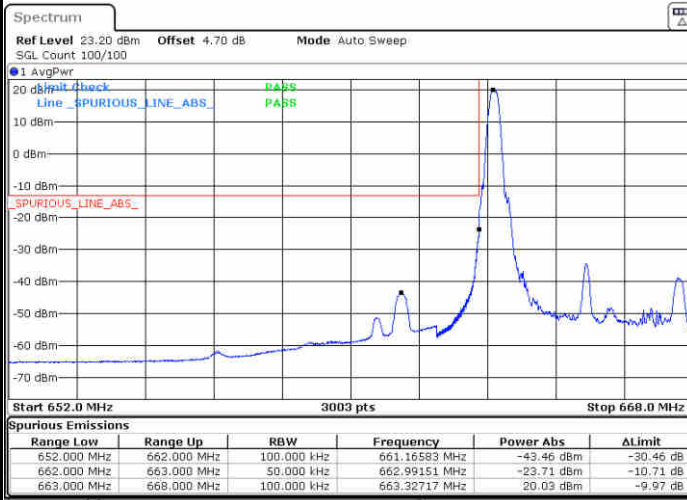


Date: 6 FEB 2020 01:14:25



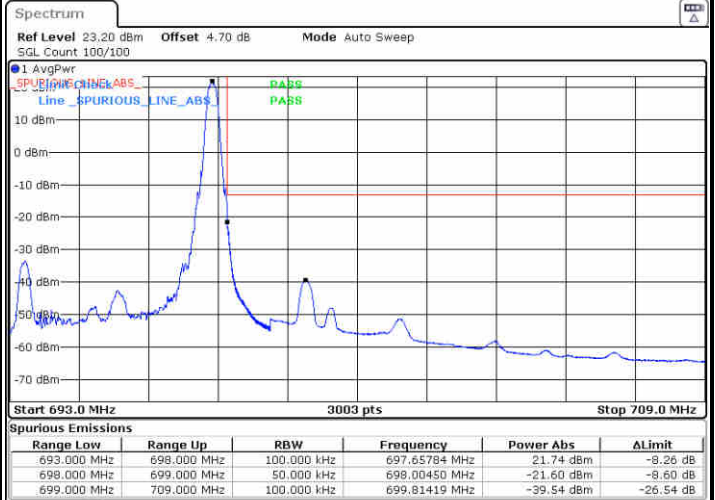
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



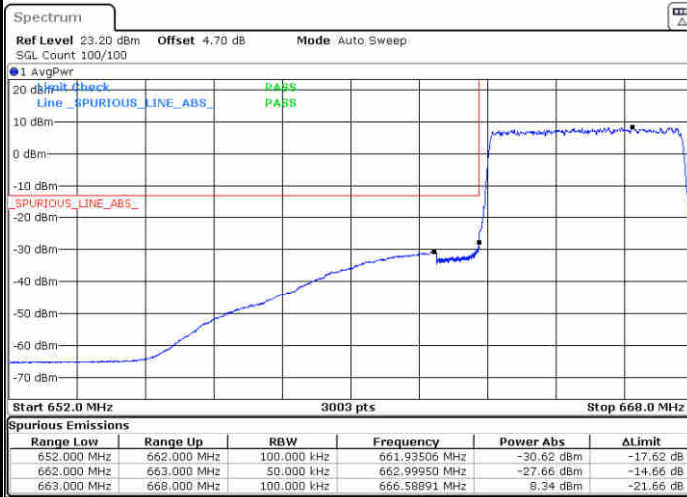
Date: 6 FEB 2020 01:02:41

Highest Band Edge / 1 RB



Date: 6 FEB 2020 01:19:11

Lowest Band Edge / Full RB



Date: 6 FEB 2020 01:01:41

Highest Band Edge / Full RB

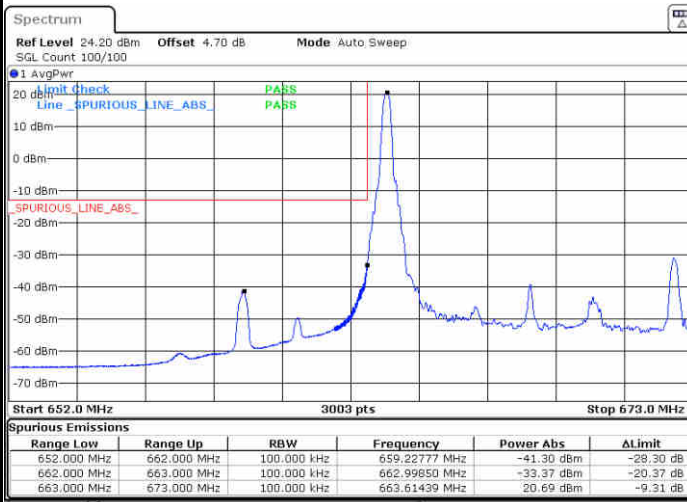


Date: 6 FEB 2020 01:15:25



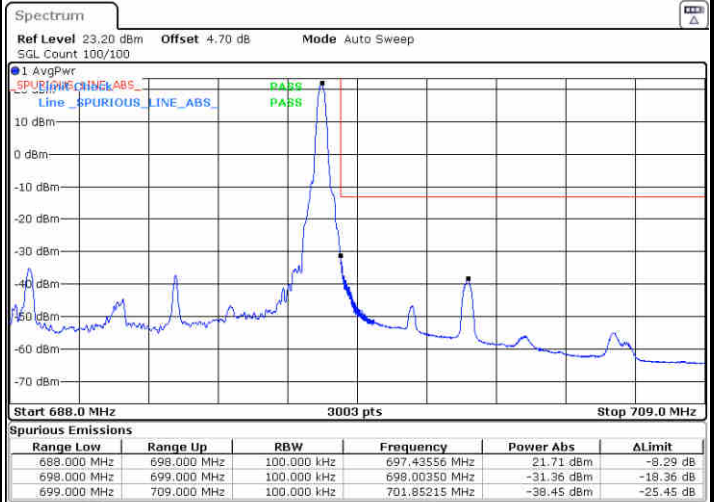
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



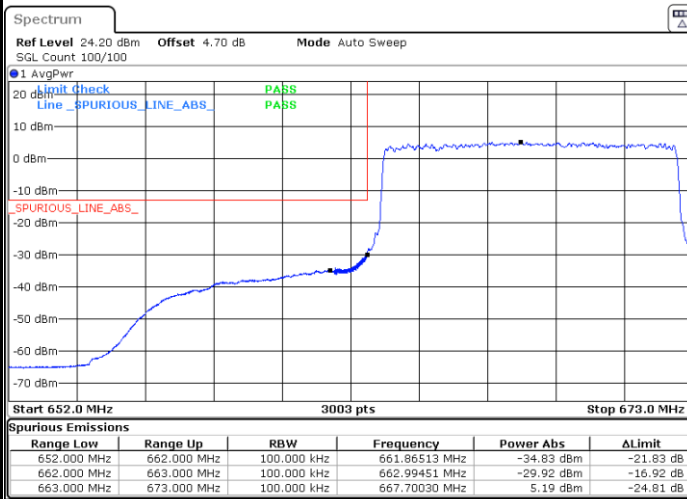
Date: 6 FEB 2020 01:23:15

Highest Band Edge / 1 RB



Date: 6 FEB 2020 01:40:23

Lowest Band Edge / Full RB



Date: 6 FEB 2020 01:22:25

Highest Band Edge / Full RB

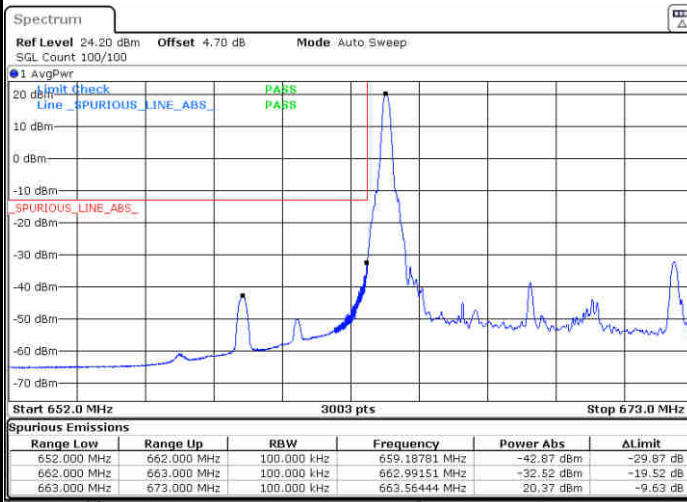


Date: 6 FEB 2020 01:37:01



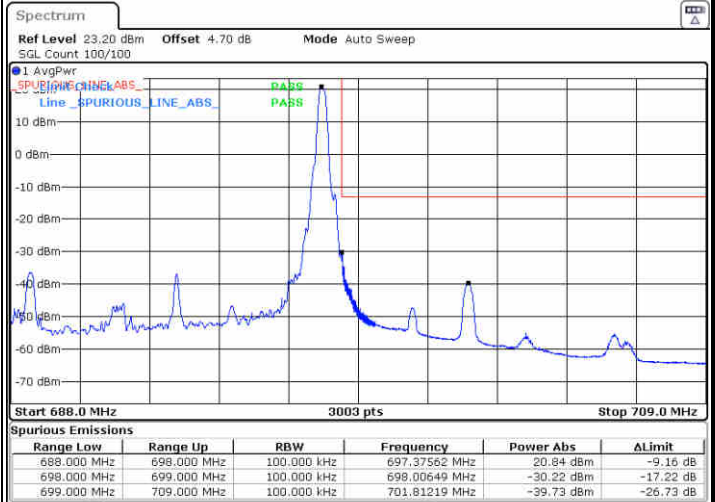
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



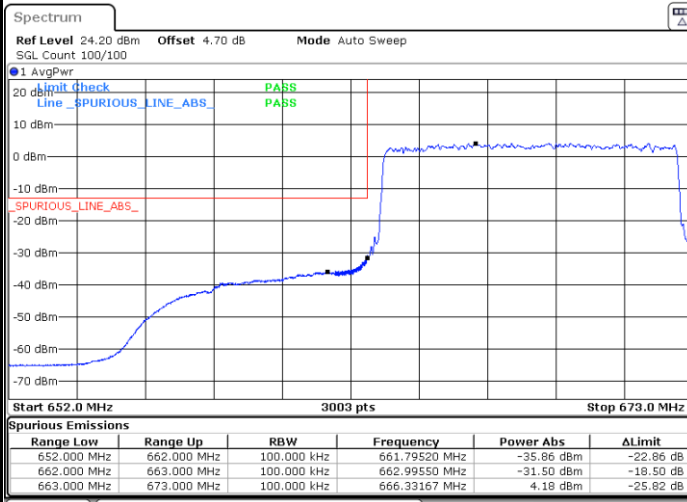
Date: 6 FEB 2020 01:25:20

Highest Band Edge / 1 RB



Date: 6 FEB 2020 01:39:42

Lowest Band Edge / Full RB



Date: 6 FEB 2020 01:21:19

Highest Band Edge / Full RB

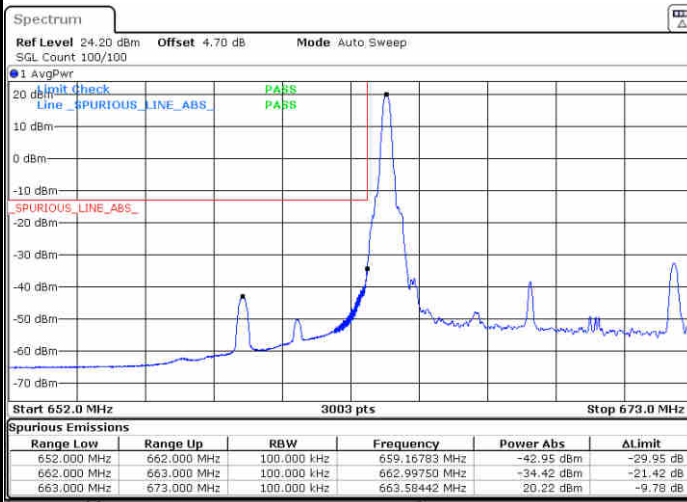


Date: 6 FEB 2020 01:36:05



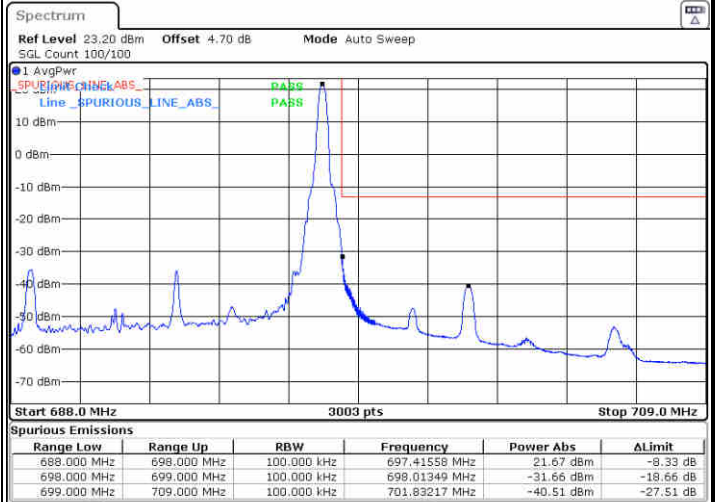
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



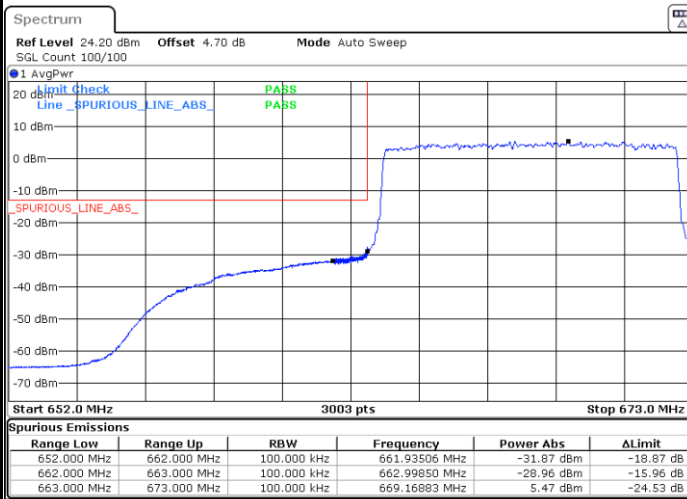
Date: 6 FEB 2020 01:26:23

Highest Band Edge / 1 RB



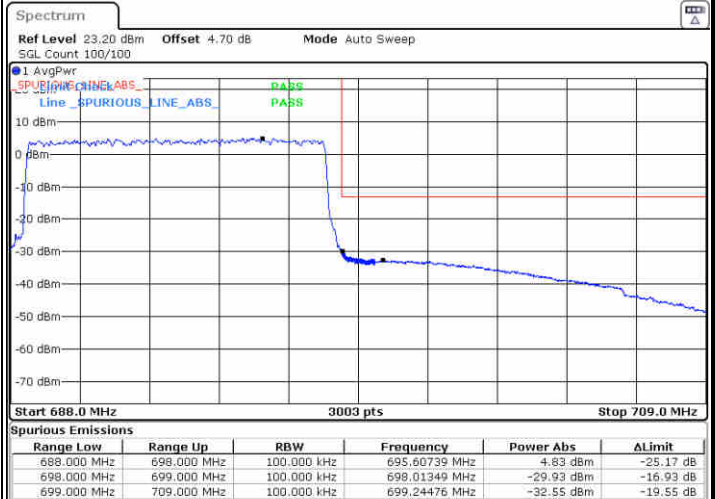
Date: 6 FEB 2020 01:39:00

Lowest Band Edge / Full RB



Date: 6 FEB 2020 01:20:27

Highest Band Edge / Full RB

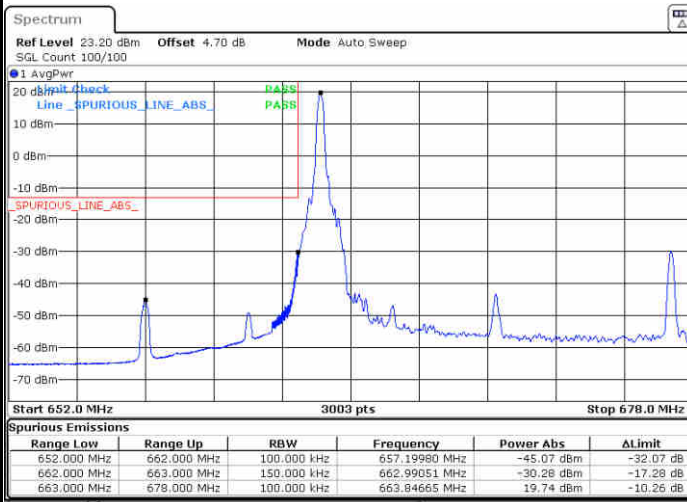


Date: 6 FEB 2020 01:35:13



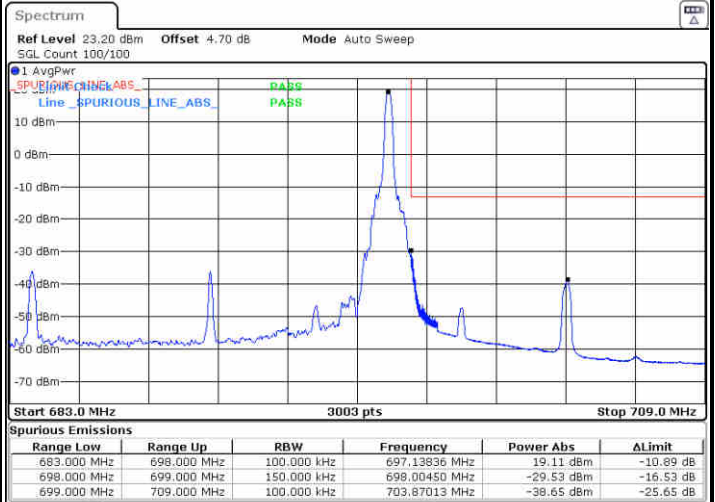
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



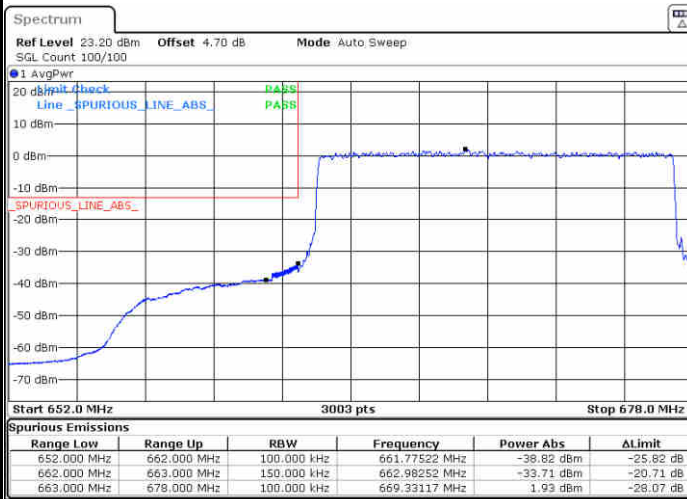
Date: 6 FEB 2020 02:13:18

Highest Band Edge / 1 RB



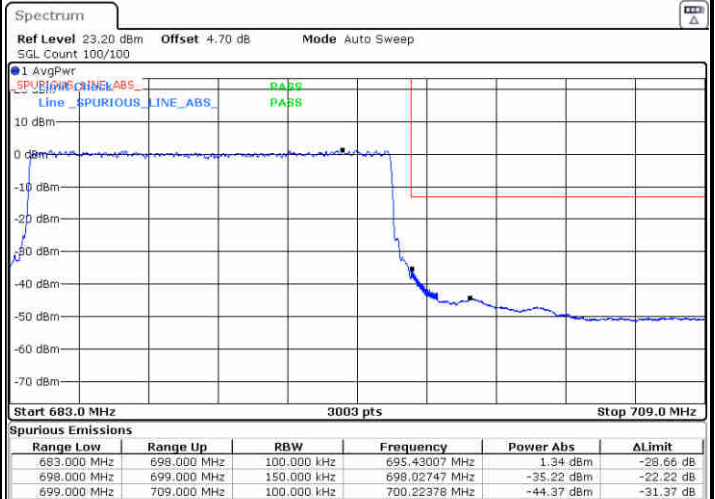
Date: 6 FEB 2020 02:24:43

Lowest Band Edge / Full RB



Date: 6 FEB 2020 02:05:01

Highest Band Edge / Full RB

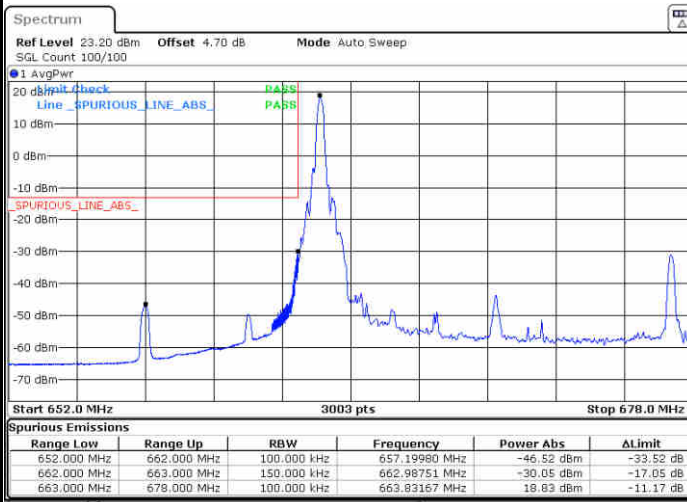


Date: 6 FEB 2020 02:17:59



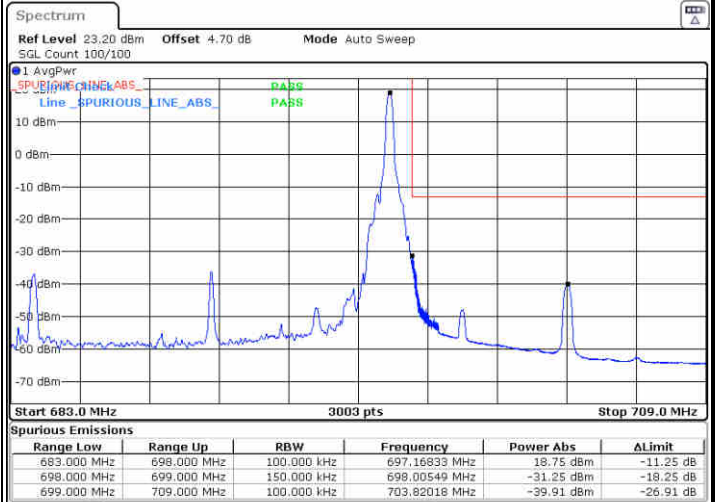
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



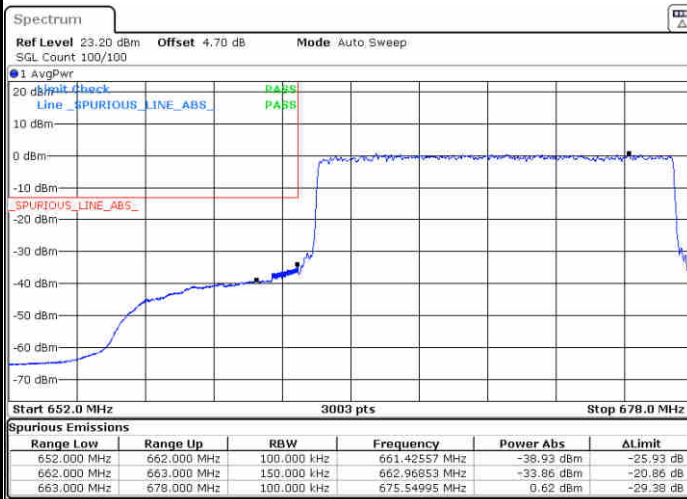
Date: 6 FEB 2020 02:12:16

Highest Band Edge / 1 RB



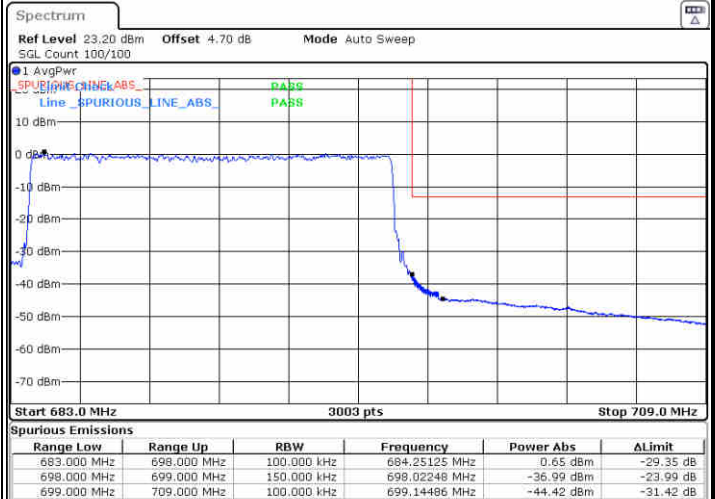
Date: 6 FEB 2020 02:25:26

Lowest Band Edge / Full RB



Date: 6 FEB 2020 02:05:53

Highest Band Edge / Full RB

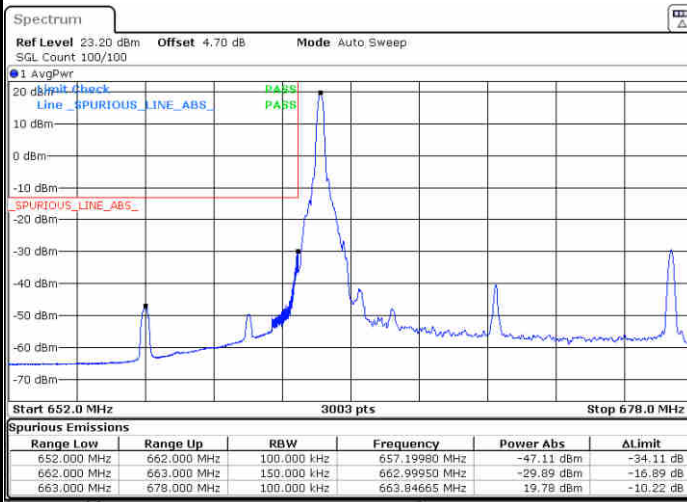


Date: 6 FEB 2020 02:18:52



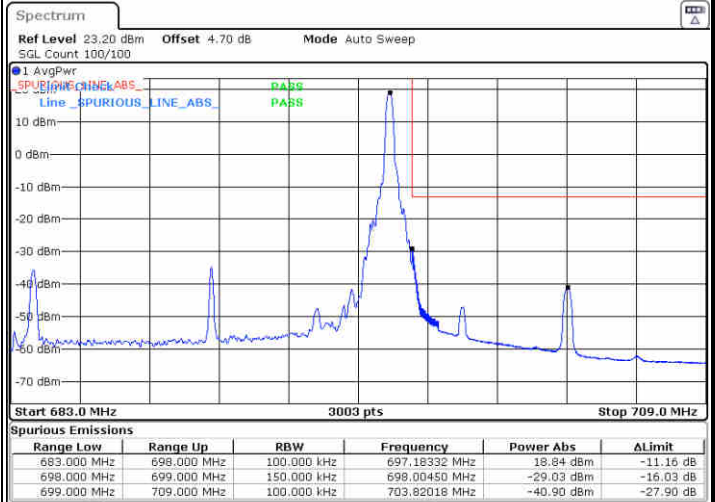
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



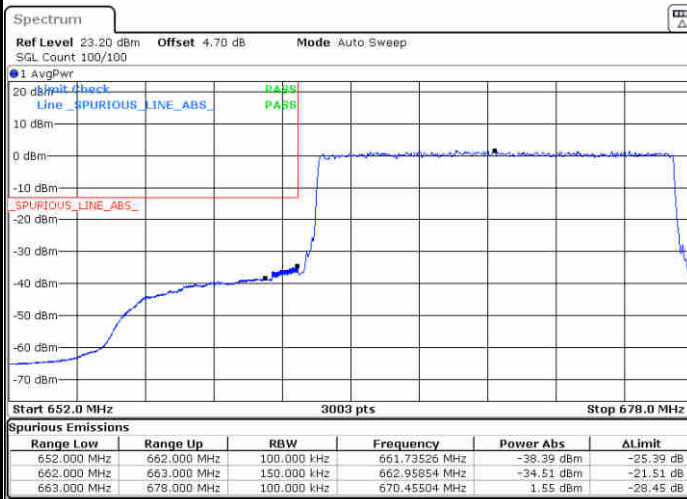
Date: 6 FEB 2020 02:11:20

Highest Band Edge / 1 RB



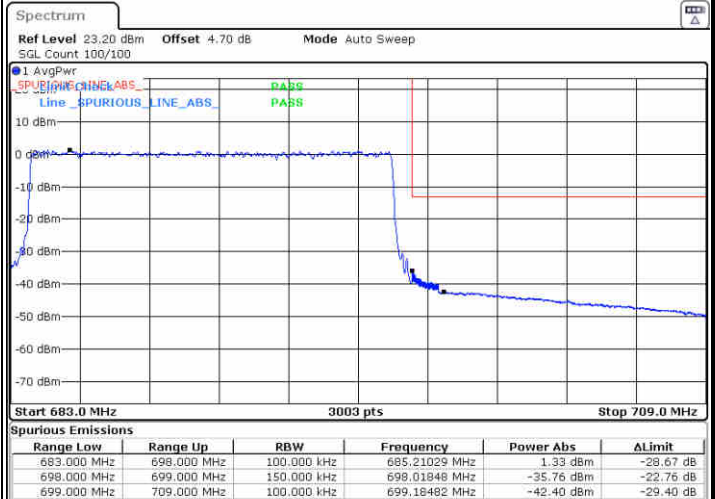
Date: 6 FEB 2020 02:26:20

Lowest Band Edge / Full RB



Date: 6 FEB 2020 02:06:58

Highest Band Edge / Full RB

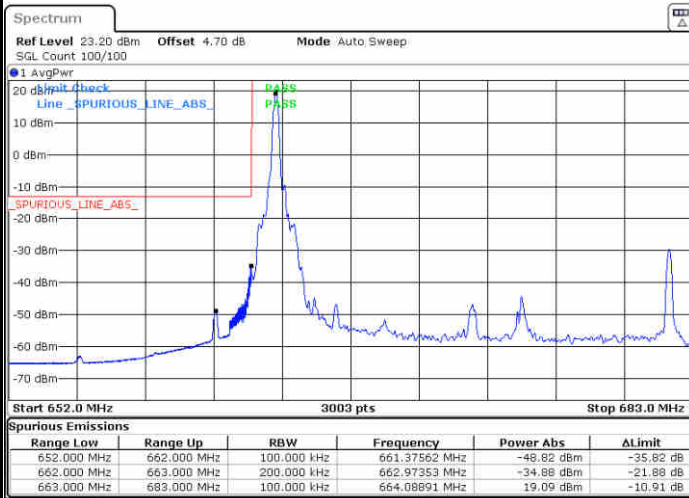


Date: 6 FEB 2020 02:19:49



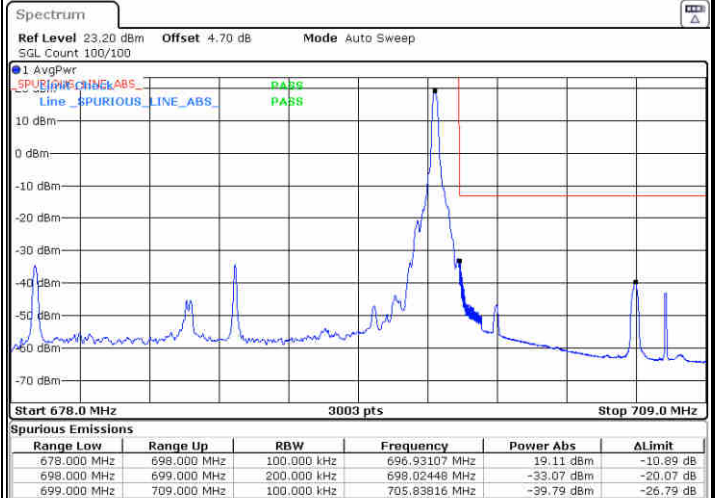
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



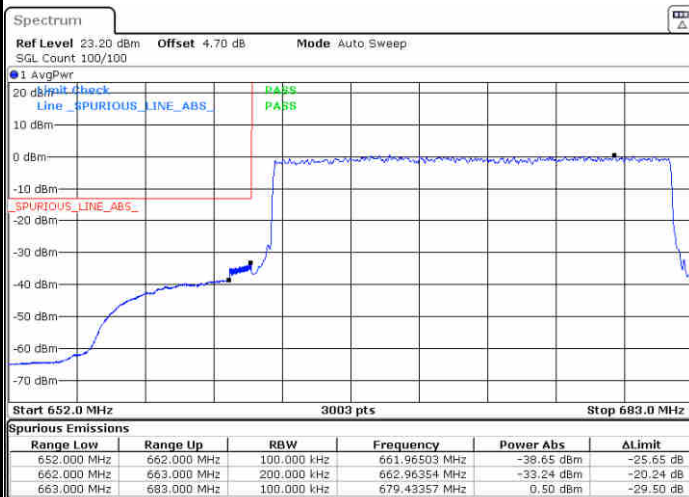
Date: 6 FEB 2020 02:31:01

Highest Band Edge / 1 RB



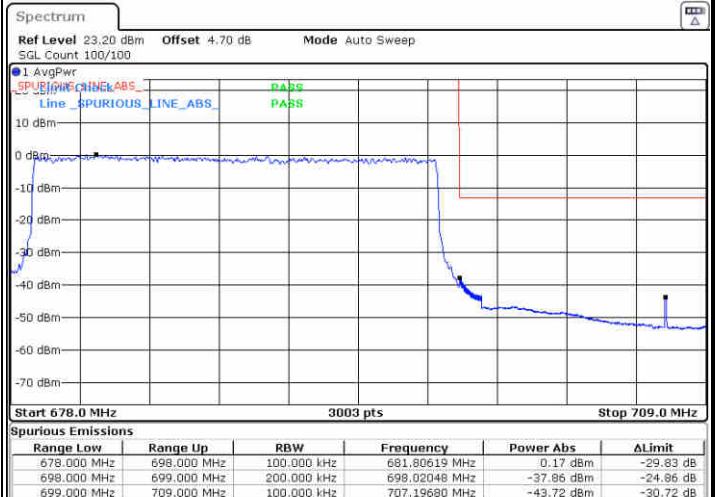
Date: 6 FEB 2020 02:45:11

Lowest Band Edge / Full RB



Date: 6 FEB 2020 02:30:06

Highest Band Edge / Full RB

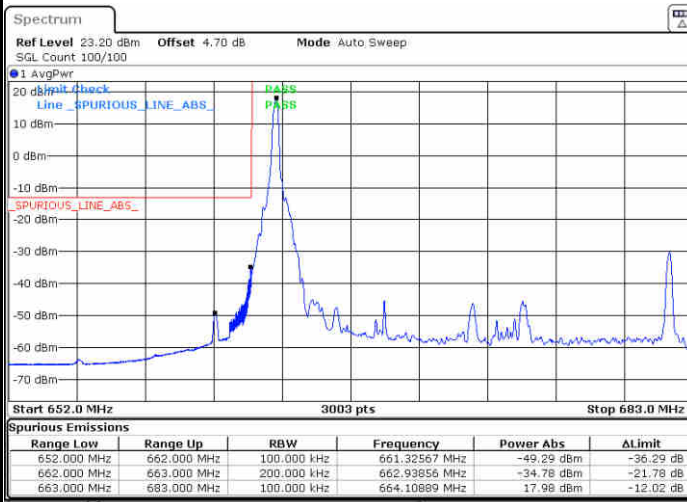


Date: 6 FEB 2020 02:40:52



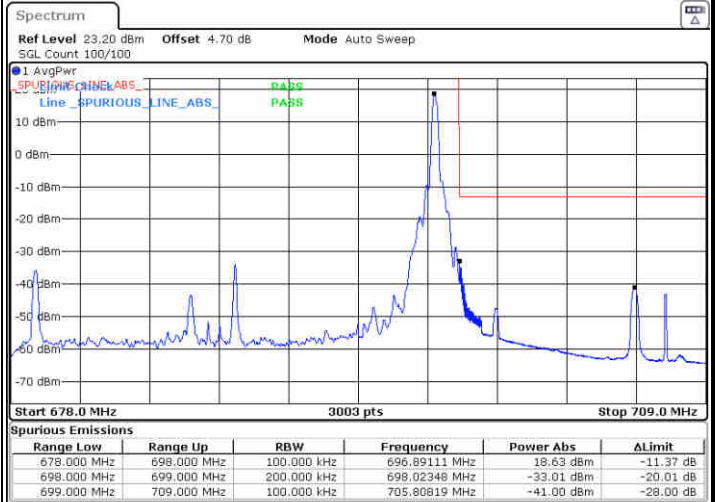
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



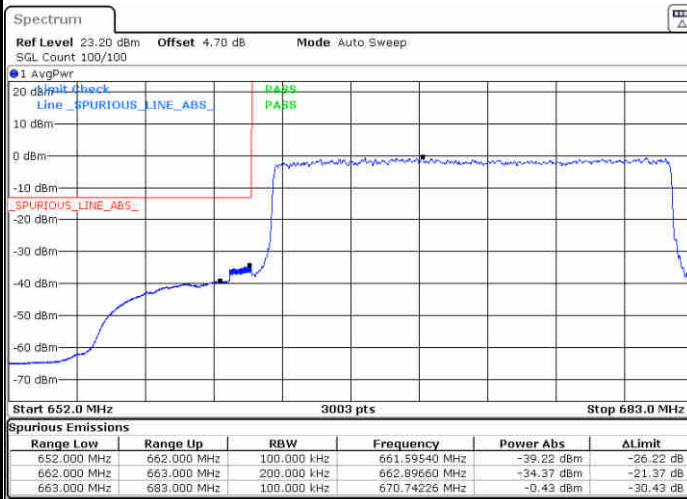
Date: 6 FEB 2020 02:32:12

Highest Band Edge / 1RB



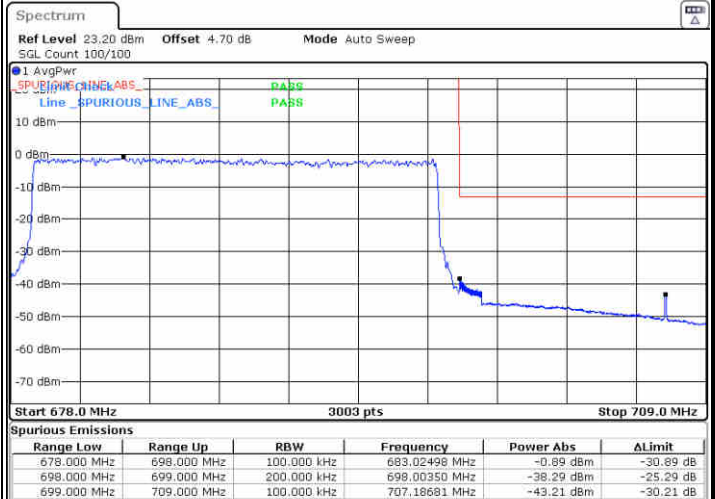
Date: 6 FEB 2020 02:44:14

Lowest Band Edge / Full RB



Date: 6 FEB 2020 02:29:03

Highest Band Edge / Full RB

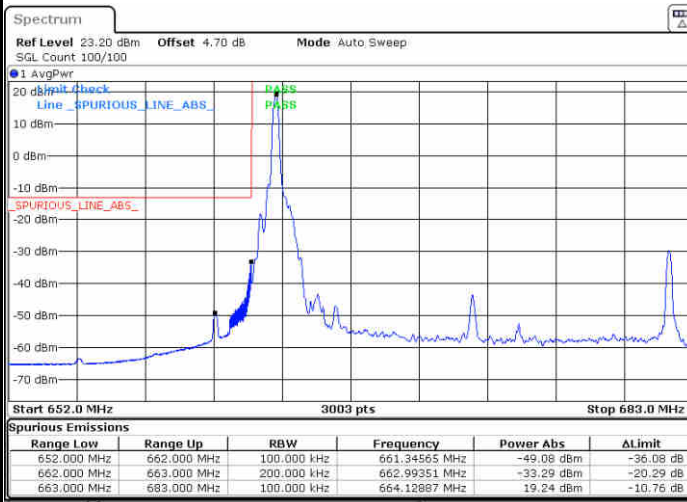


Date: 6 FEB 2020 02:39:49



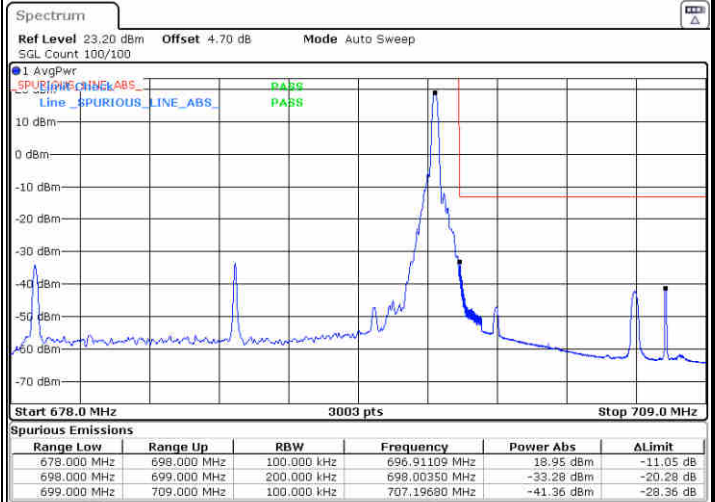
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



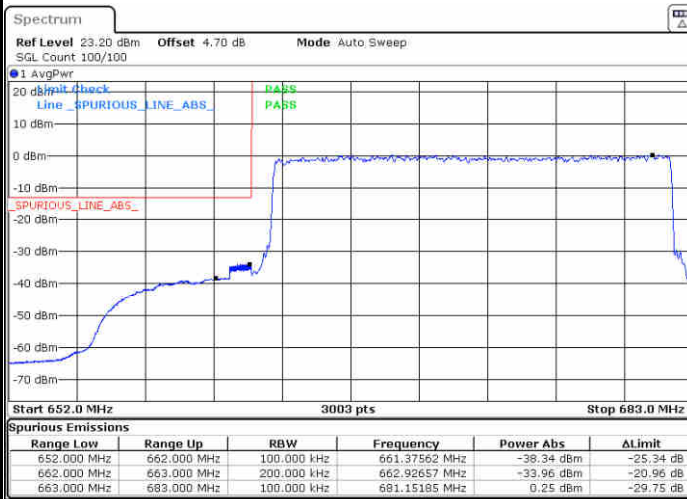
Date: 6 FEB 2020 02:33:36

Highest Band Edge / 1 RB



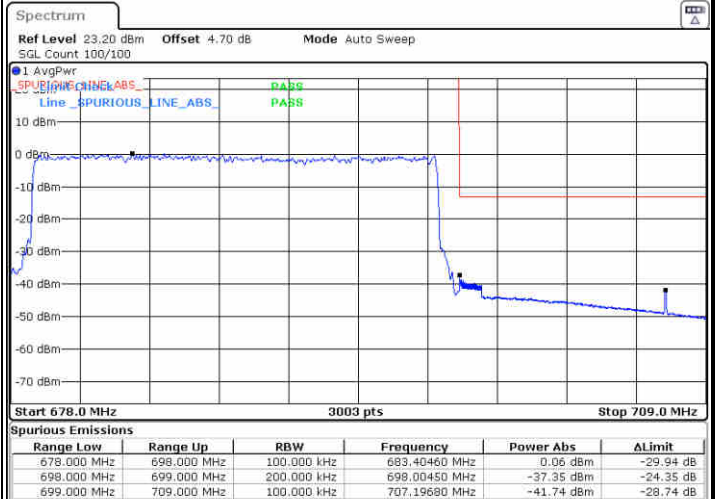
Date: 6 FEB 2020 02:43:31

Lowest Band Edge / Full RB



Date: 6 FEB 2020 02:27:56

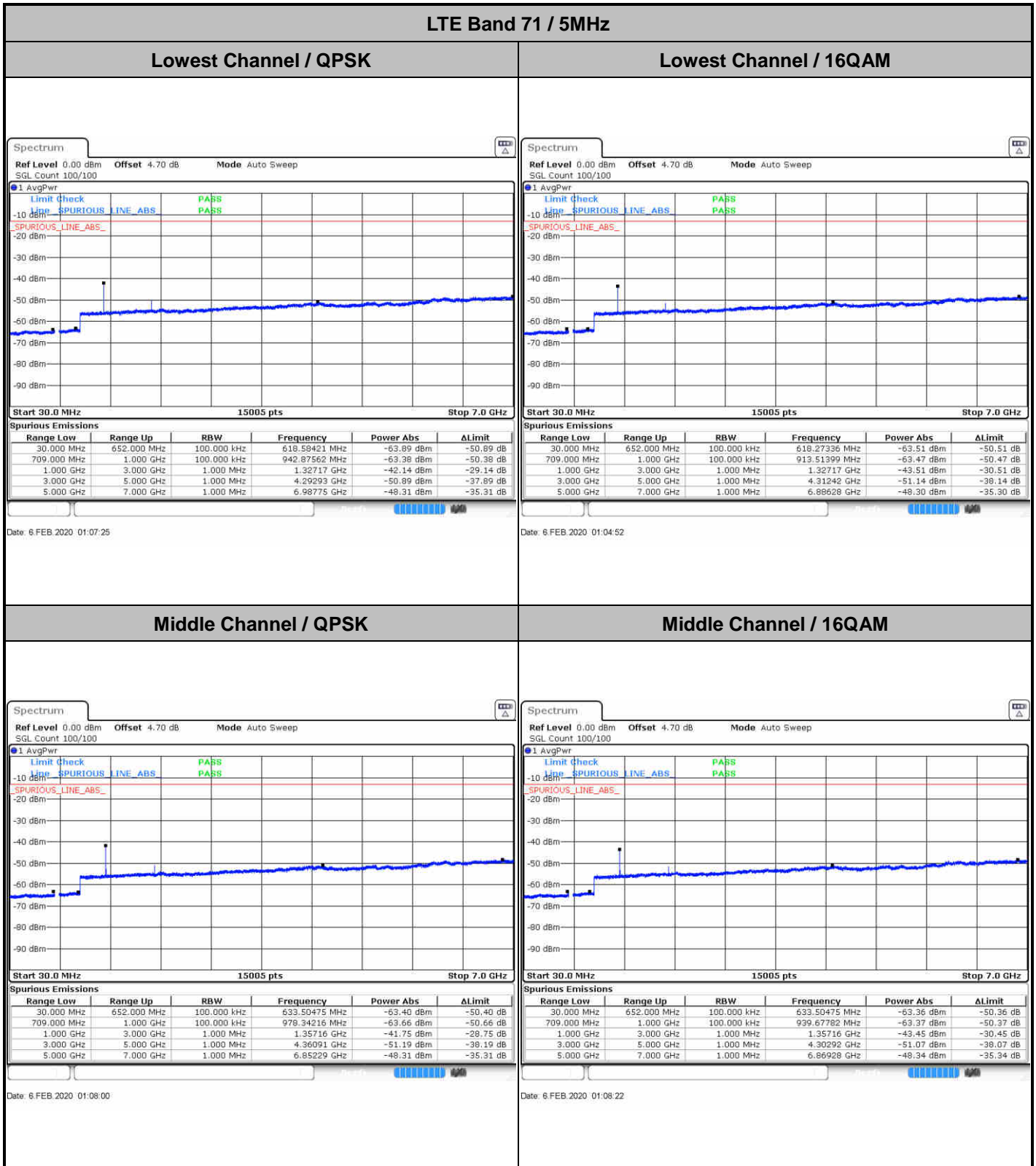
Highest Band Edge / Full RB



Date: 6 FEB 2020 02:38:38



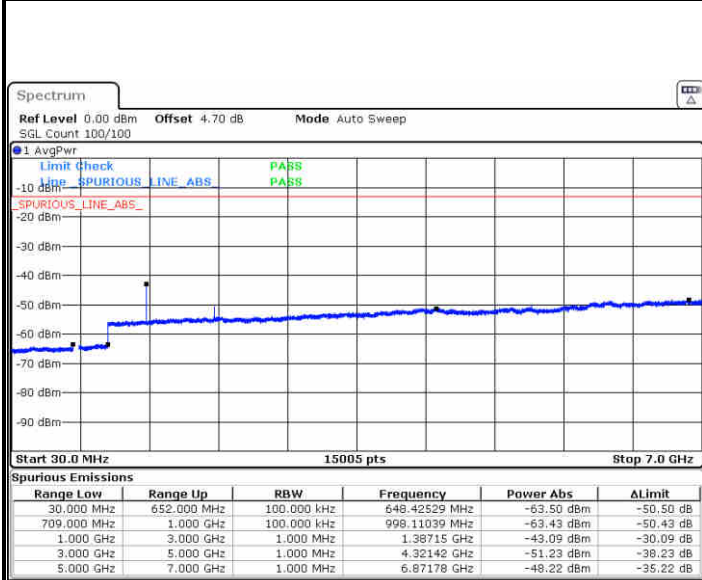
Conducted Spurious Emission





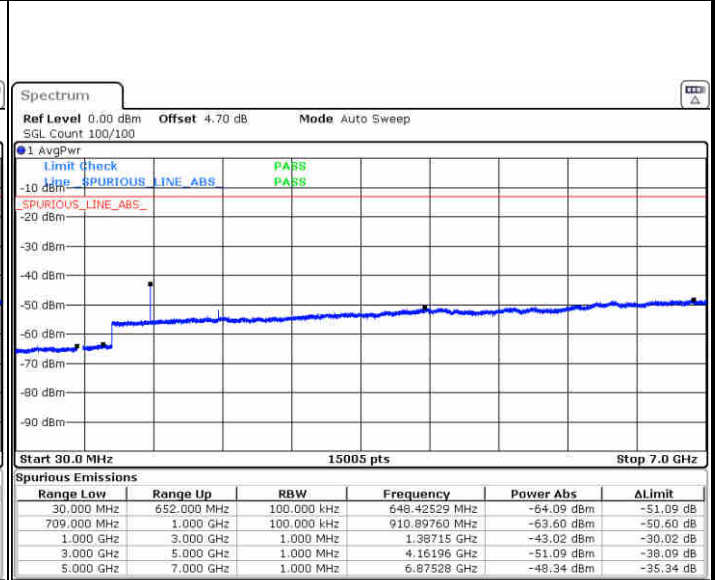
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 6 FEB 2020 01:16:37

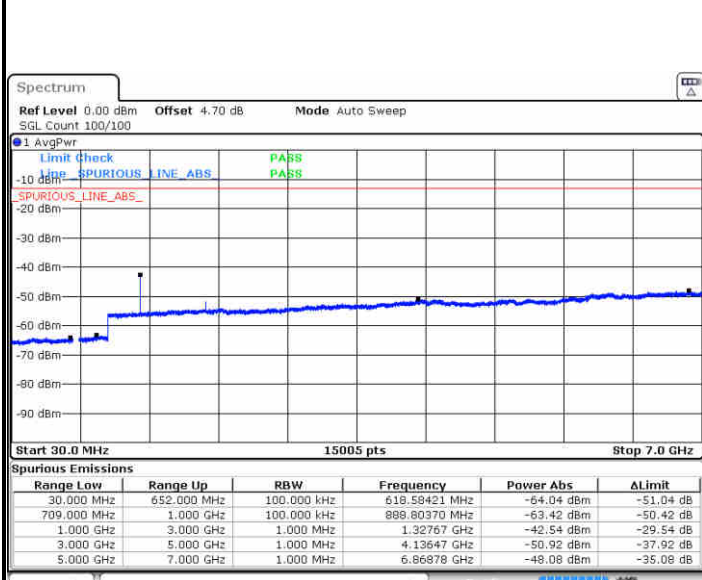
Highest Channel / 16QAM



Date: 6 FEB 2020 01:16:16

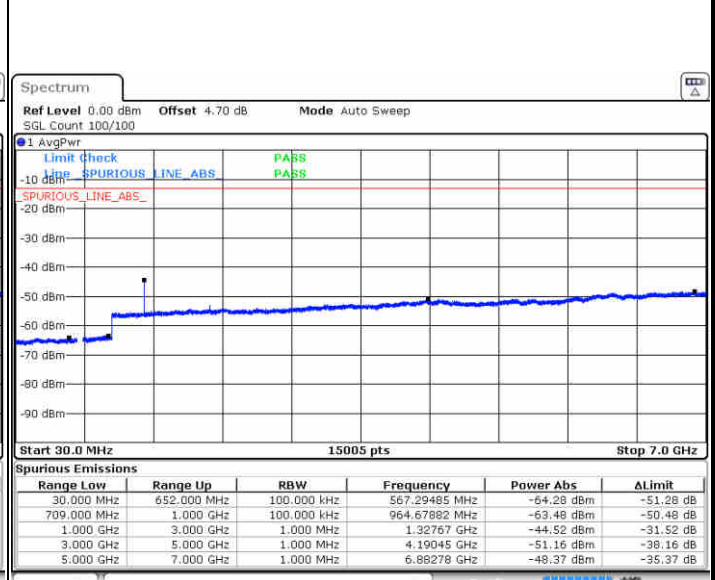
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 6 FEB 2020 01:23:35

Lowest Channel / 16QAM



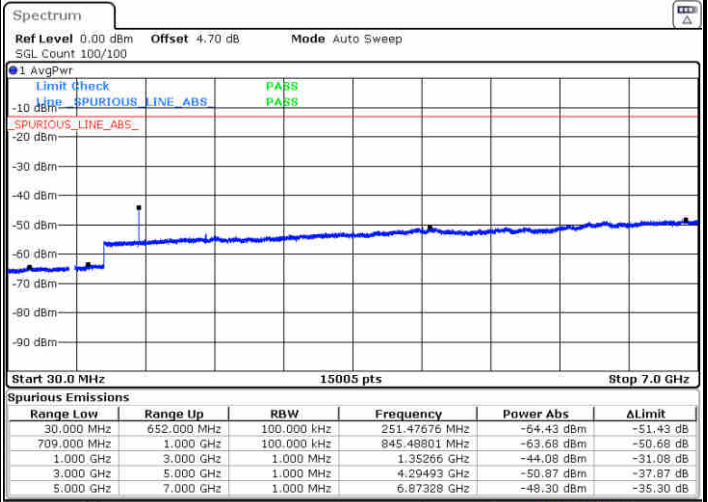
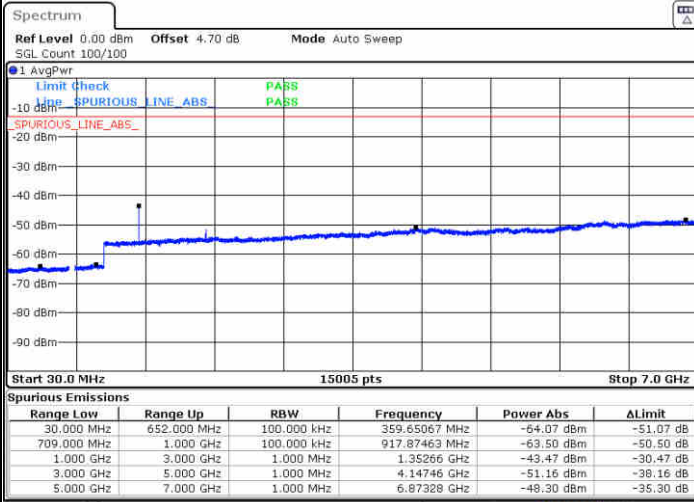
Date: 6 FEB 2020 01:25:43



LTE Band 71 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

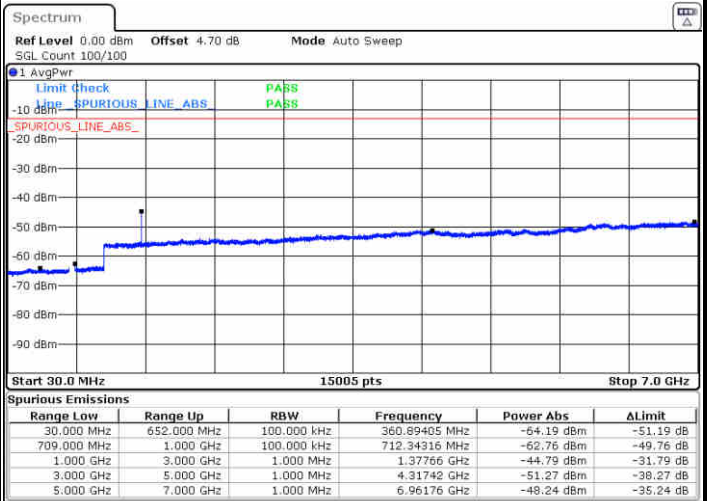
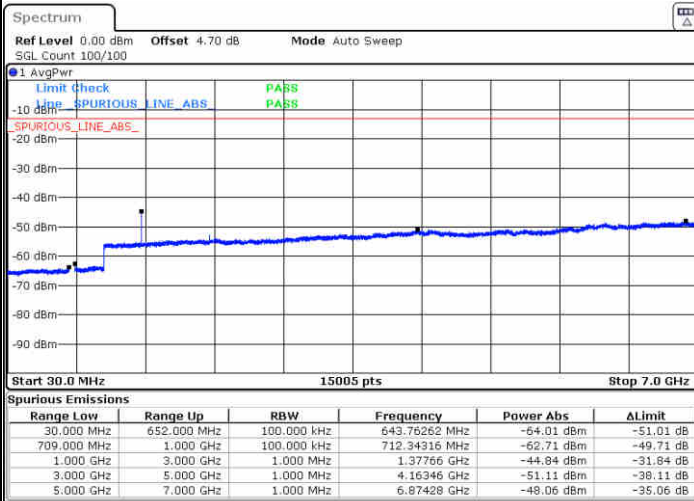


Date: 6 FEB 2020 01:33:12

Date: 6 FEB 2020 01:32:51

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 FEB 2020 01:37:34

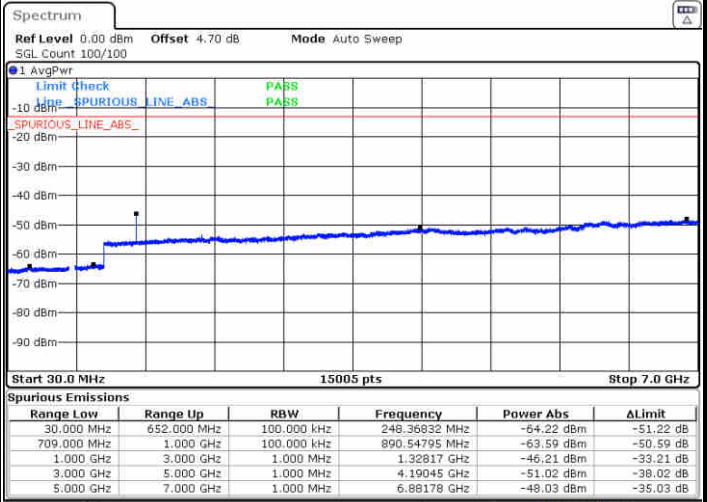
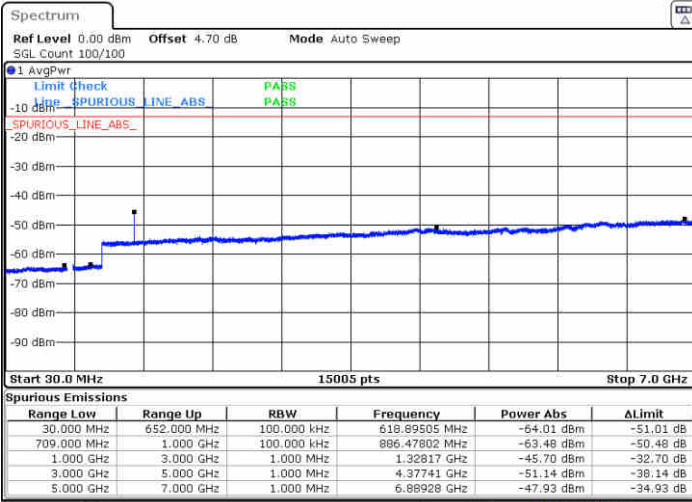
Date: 6 FEB 2020 01:37:56



LTE Band 71 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

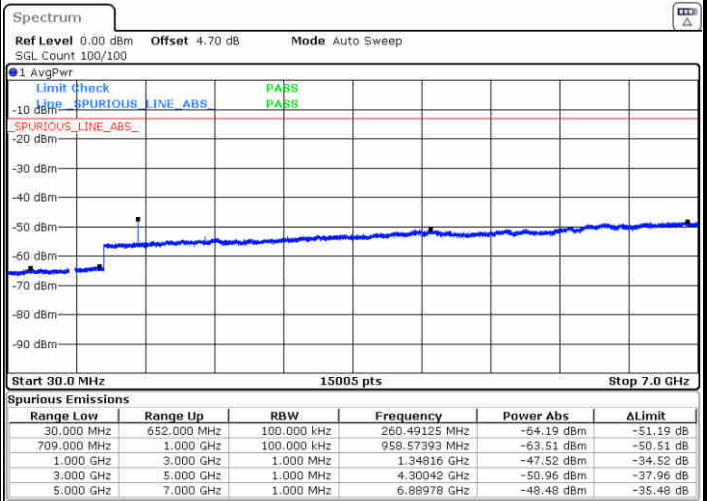
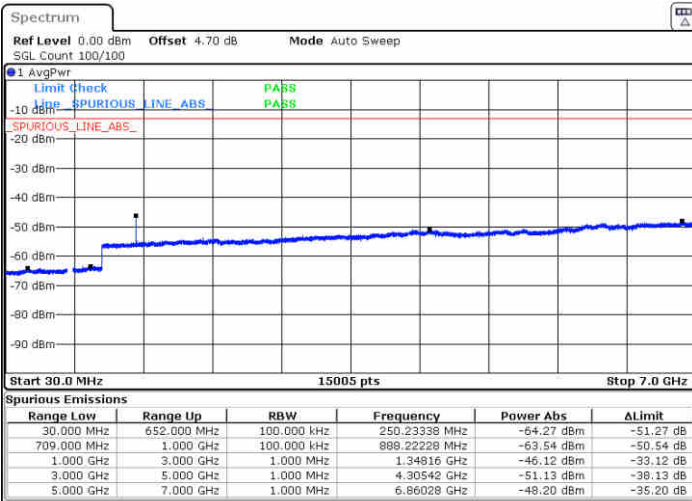


Date: 6 FEB 2020 02:13:57

Date: 6 FEB 2020 02:12:33

Middle Channel / QPSK

Middle Channel / 16QAM



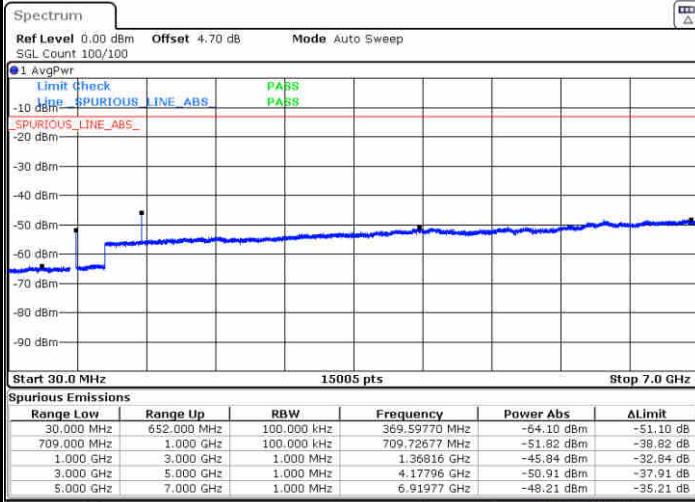
Date: 6 FEB 2020 02:14:40

Date: 6 FEB 2020 02:15:04



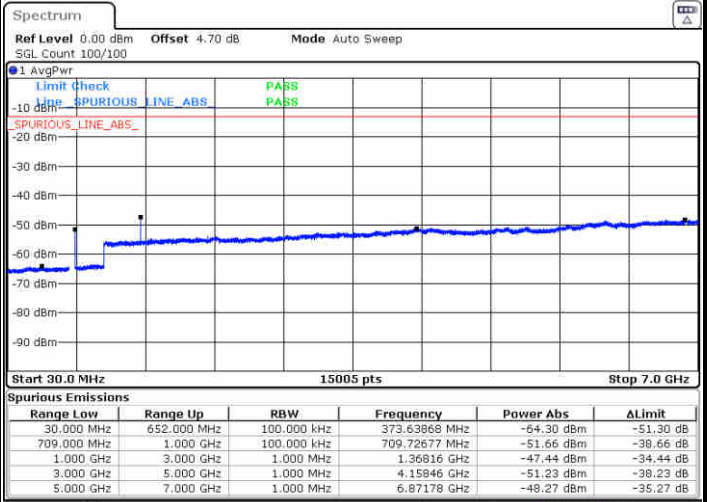
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 6 FEB 2020 02:21:57

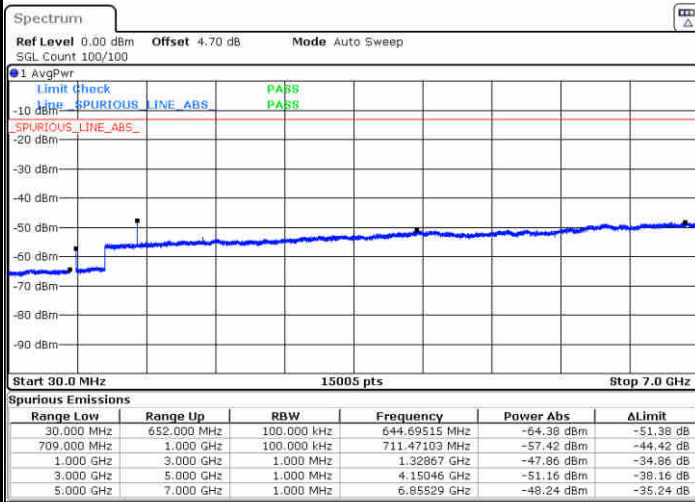
Highest Channel / 16QAM



Date: 6 FEB 2020 02:20:41

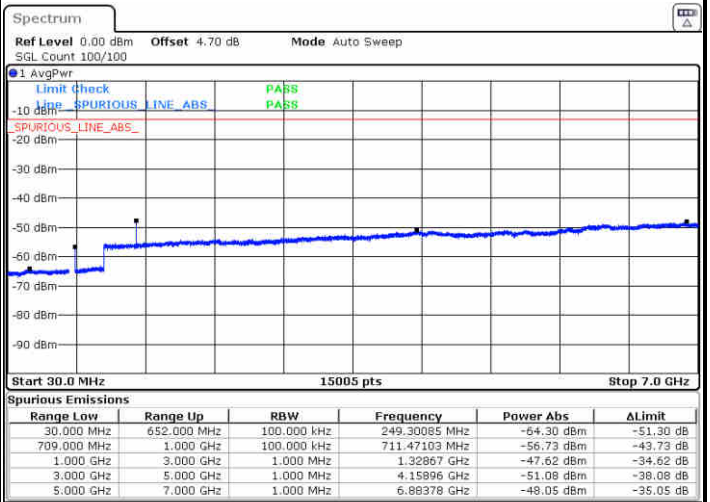
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 6 FEB 2020 02:31:21

Lowest Channel / 16QAM



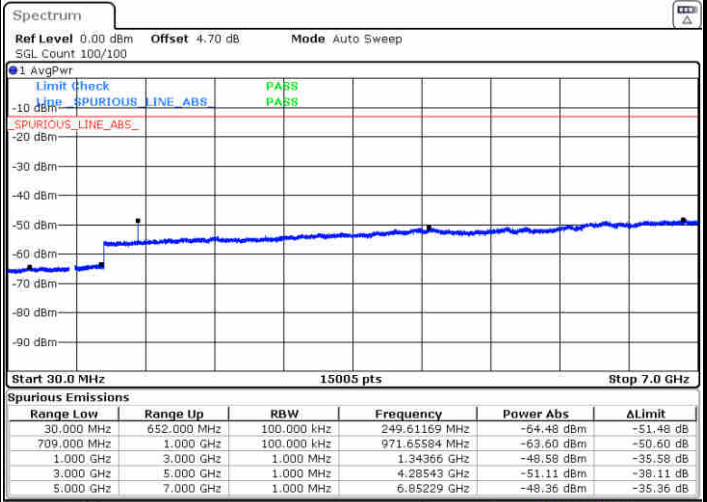
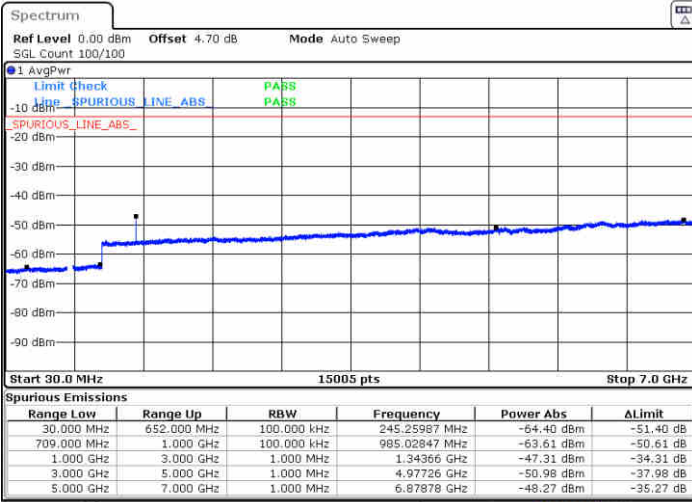
Date: 6 FEB 2020 02:32:34



LTE Band 71 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

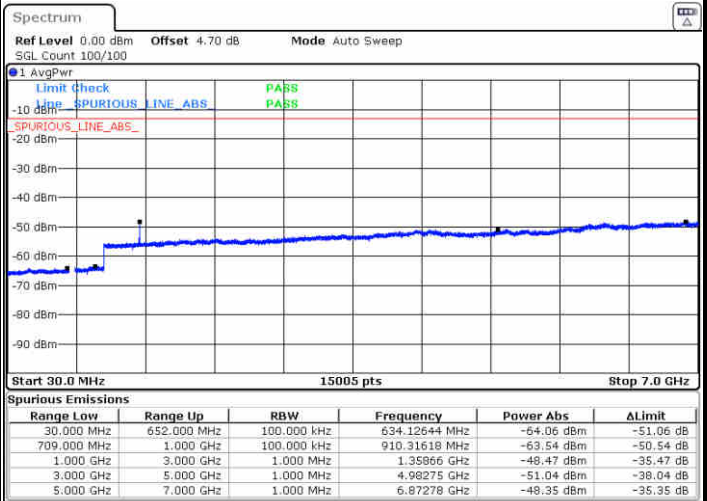
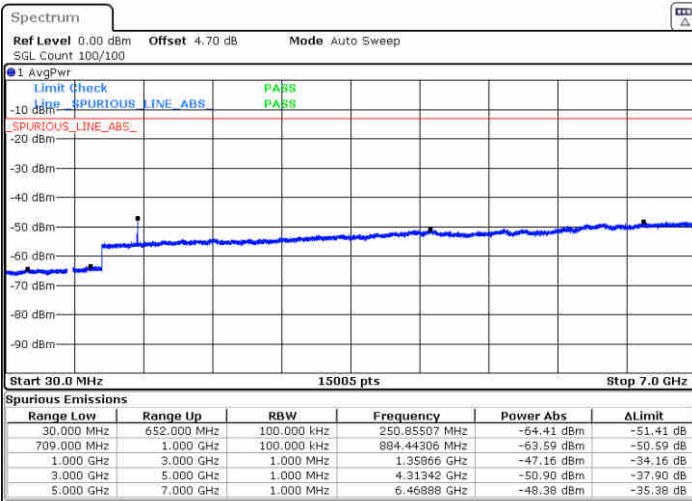


Date: 6 FEB 2020 02:35:36

Date: 6 FEB 2020 02:34:58

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 FEB 2020 02:41:31

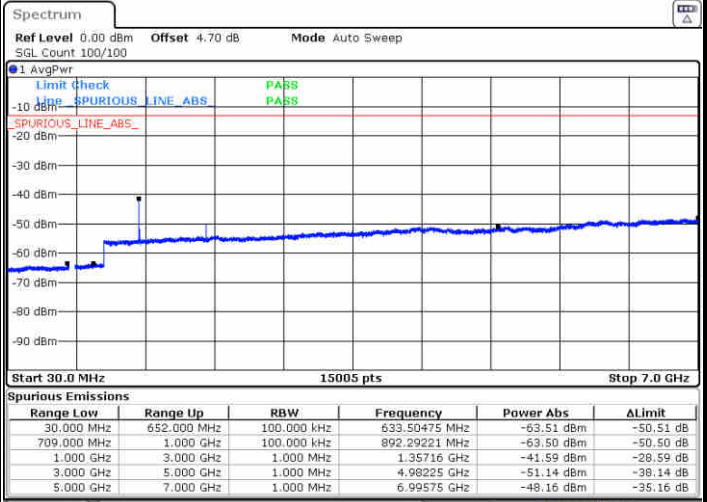
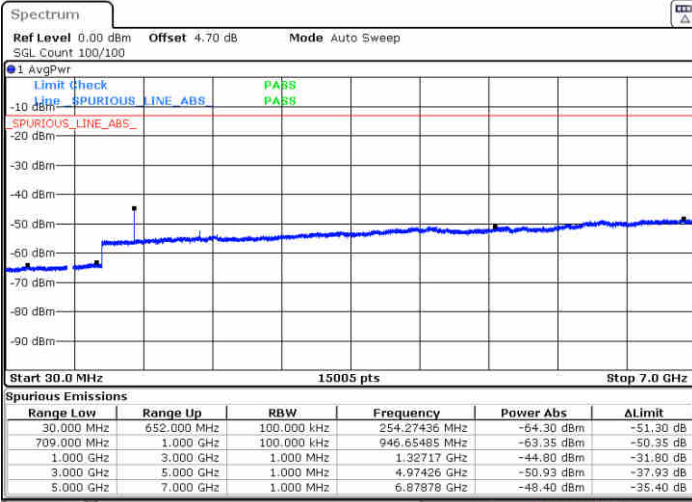
Date: 6 FEB 2020 02:42:08



LTE Band 71 / 5MHz

Lowest Channel / 64QAM

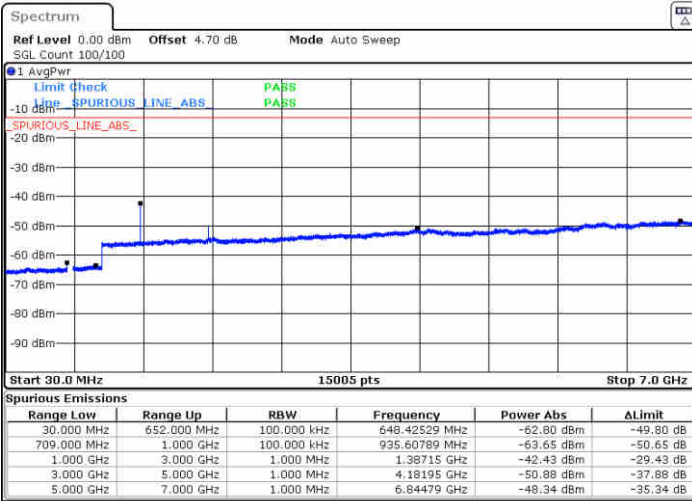
Middle Channel / 64QAM



Date: 6 FEB 2020 01:03:34

Date: 6 FEB 2020 01:08:51

Highest Channel / 64QAM



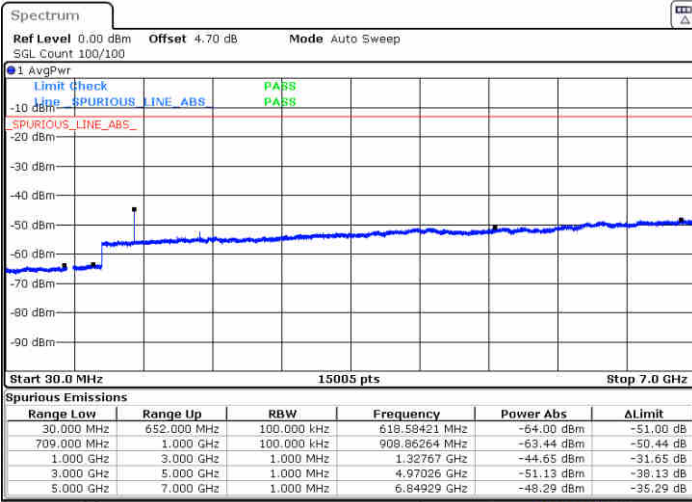
Date: 6 FEB 2020 01:15:53



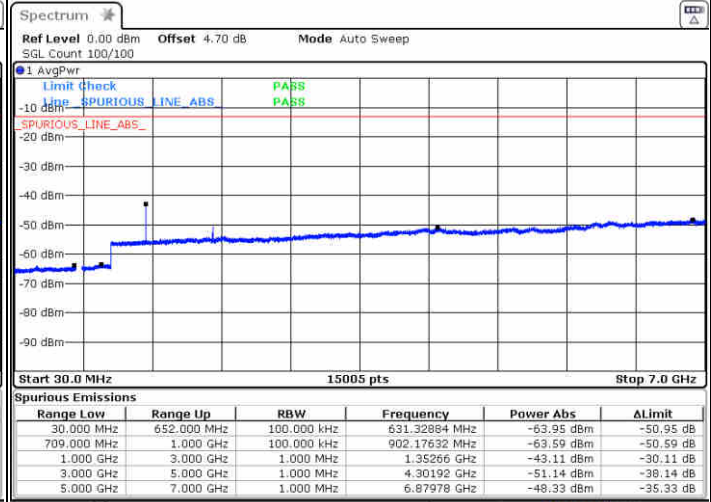
LTE Band 71 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

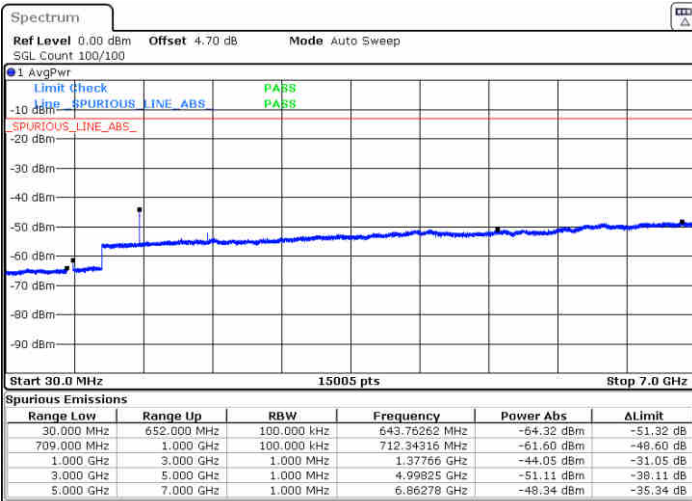


Date: 6 FEB 2020 01:26:38



Date: 6 FEB 2020 01:32:24

Highest Channel / 64QAM

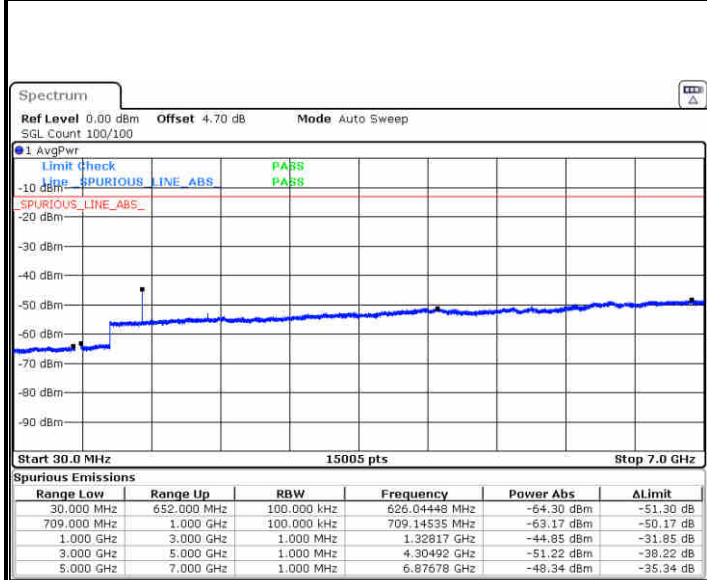


Date: 6 FEB 2020 01:38:16



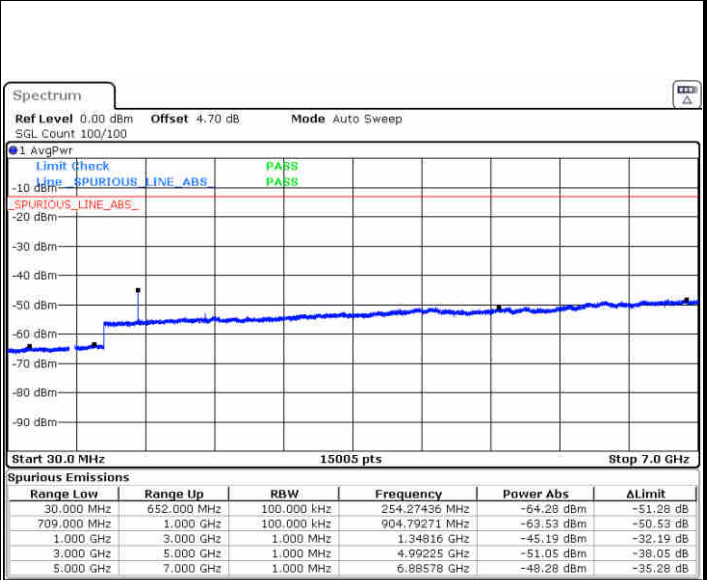
LTE Band 71 / 15MHz

Lowest Channel / 64QAM



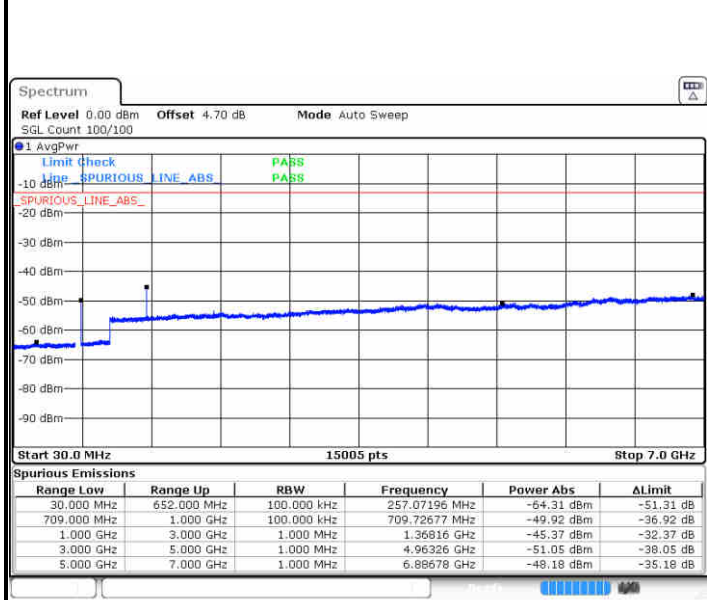
Date: 6 FEB 2020 02:11:36

Middle Channel / 64QAM



Date: 6 FEB 2020 02:15:30

Highest Channel / 64QAM



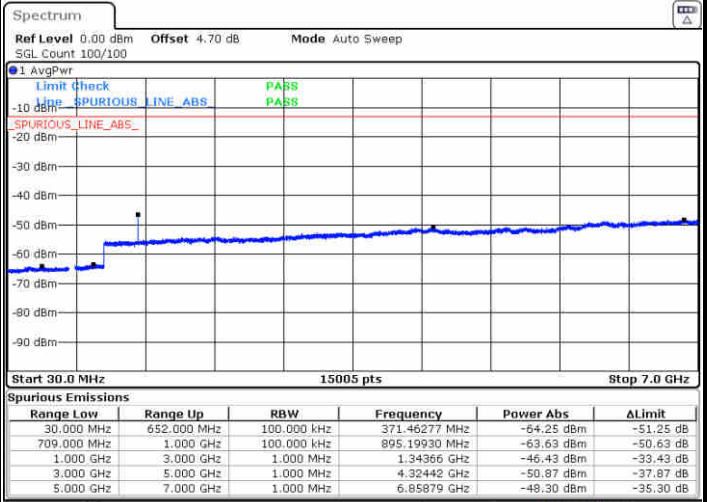
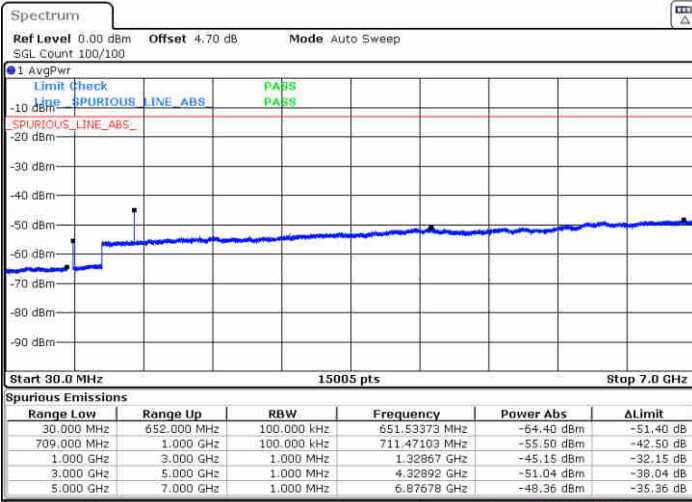
Date: 6 FEB 2020 02:20:21



LTE Band 71 / 20MHz

Lowest Channel / 64QAM

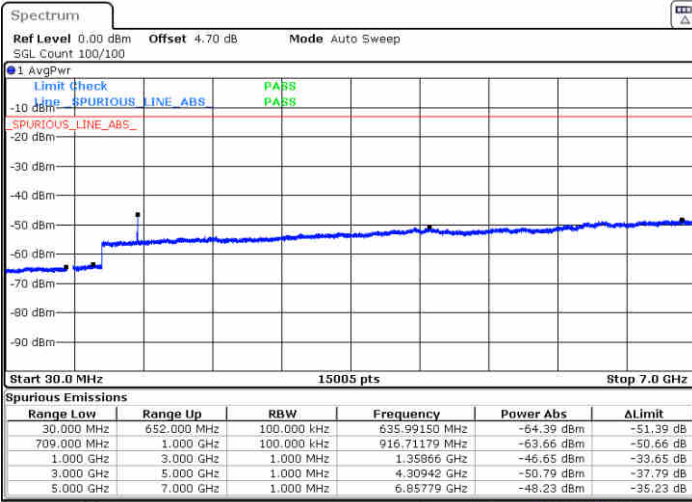
Middle Channel / 64QAM



Date: 6 FEB 2020 02:33:54

Date: 6 FEB 2020 02:34:22

Highest Channel / 64QAM



Date: 6 FEB 2020 02:42:49



Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0028	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.40 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C_CA

26dB Bandwidth

Mode	LTE Band 41C_CA : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	25.08	24.98	29.85	25.18	30.51
Middle CH	25.03	24.93	30.03	25.18	30.51
Highest CH	24.98	25.03	29.85	24.98	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	25.23	30.09	34.90	39.72
Middle CH	34.83	25.23	30.03	35.46	39.72
Highest CH	34.97	25.28	29.97	34.83	39.80

Mode	LTE Band 41C_CA : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	24.88	24.93	29.91	25.08	30.57
Middle CH	24.83	24.98	29.97	24.98	30.39
Highest CH	24.98	24.98	29.97	25.18	30.51
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	25.03	30.03	34.76	39.48
Middle CH	34.76	25.33	29.97	34.90	39.72
Highest CH	34.83	25.13	30.15	34.69	39.72

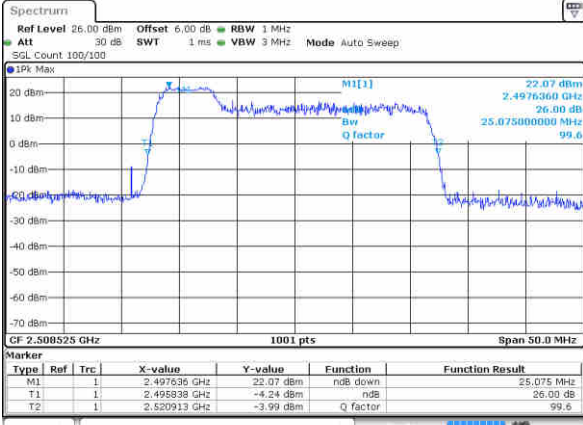
Mode	LTE Band 41C_CA : 26dB BW(MHz)				
64QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Lowest CH	25.08	24.93	29.97	24.98	30.39
Middle CH	24.63	25.13	29.91	25.03	30.39
Highest CH	24.83	25.13	29.85	25.18	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Lowest CH	34.76	25.08	29.97	35.04	39.56
Middle CH	34.90	25.03	30.03	34.97	39.88
Highest CH	34.76	24.88	29.97	34.76	39.64



LTE Band 41C_CA

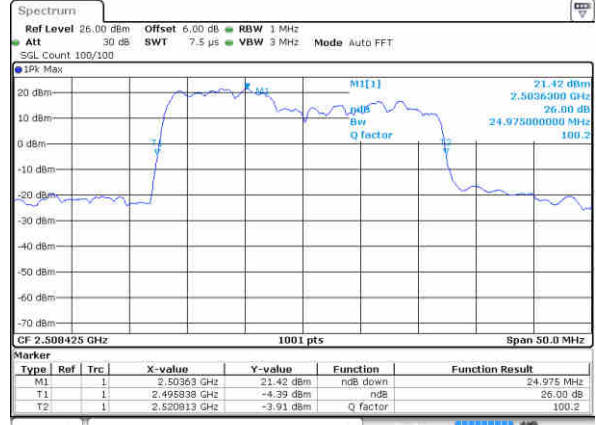
QPSK

Lowest Channel / 5MHz+20MHz



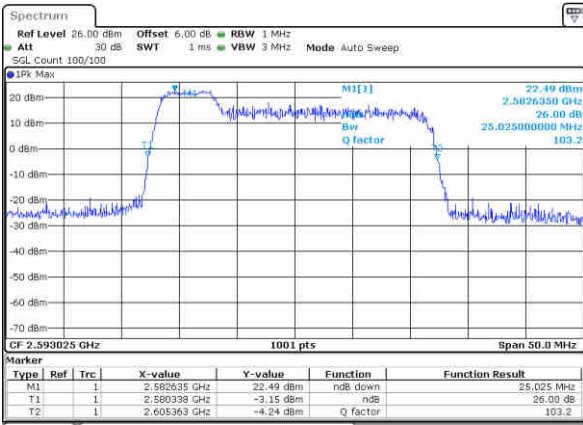
Date: 8 MAR 2020 02:39:06

Lowest Channel / 10MHz+15MHz



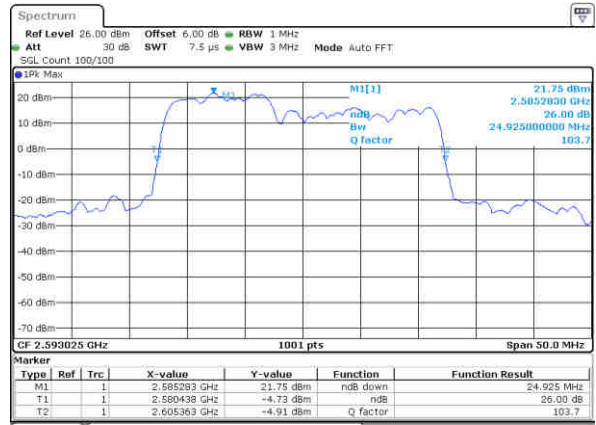
Date: 9 MAR 2020 04:50:15

Middle Channel / 5MHz+20MHz



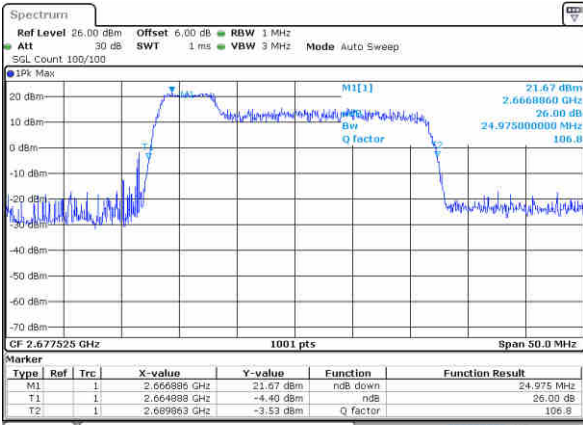
Date: 8 MAR 2020 02:31:02

Middle Channel / 10MHz+15MHz



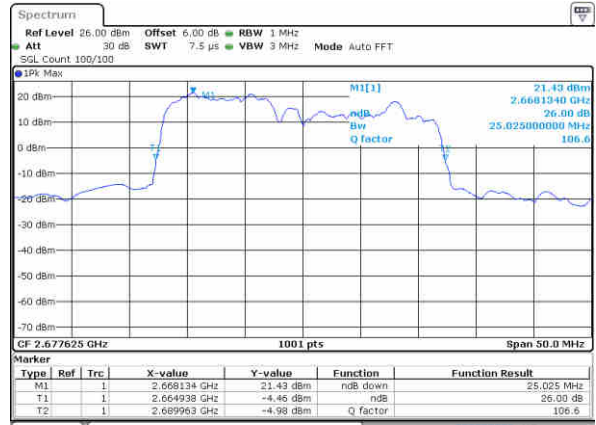
Date: 9 MAR 2020 05:11:11

Highest Channel / 5MHz+20MHz



Date: 8 MAR 2020 02:40:44

Highest Channel / 10MHz+15MHz



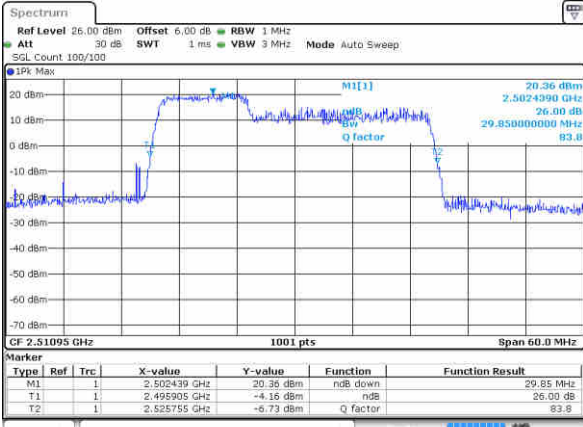
Date: 9 MAR 2020 05:12:34



LTE Band 41C_CA

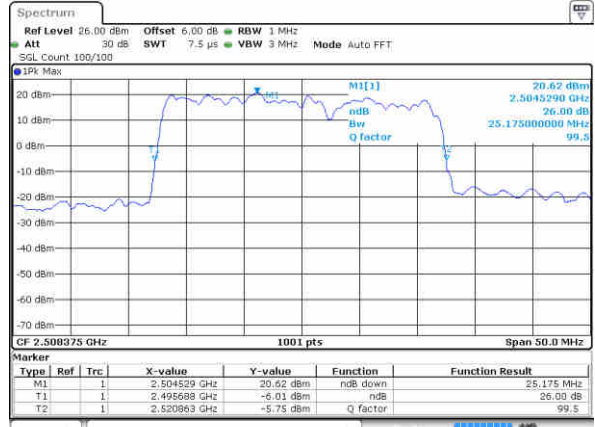
QPSK

Lowest Channel / 10MHz+20MHz



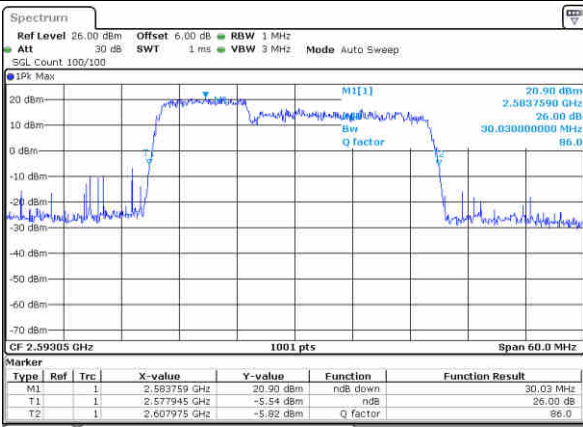
Date: 8 MAR 2020 02:48:11

Lowest Channel / 15MHz+10MHz



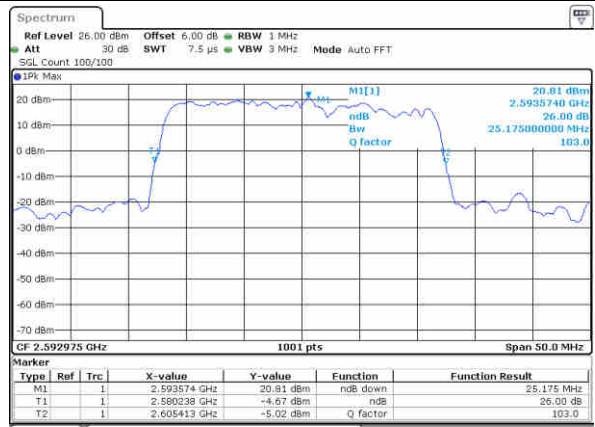
Date: 9 MAR 2020 03:28:35

Middle Channel / 10MHz+20MHz



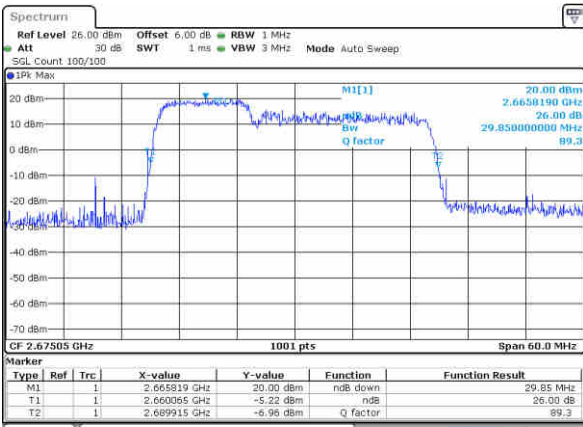
Date: 8 MAR 2020 02:48:17

Middle Channel / 15MHz+10MHz



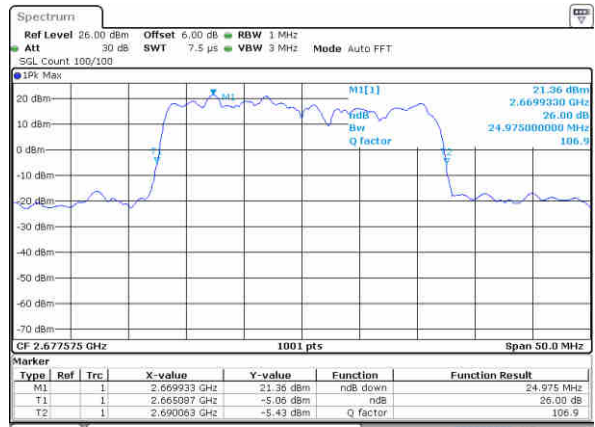
Date: 9 MAR 2020 04:47:32

Highest Channel / 10MHz+20MHz



Date: 8 MAR 2020 02:51:18

Highest Channel / 15MHz+10MHz



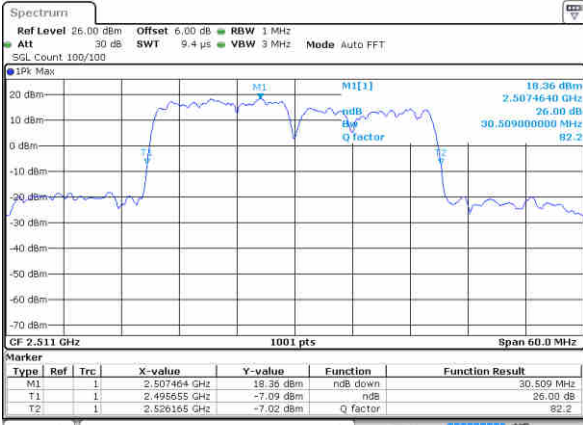
Date: 9 MAR 2020 03:34:14



LTE Band 41C_CA

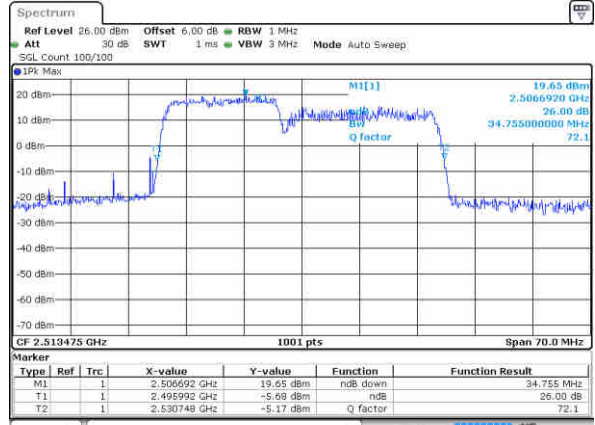
QPSK

Lowest Channel / 15MHz+15MHz



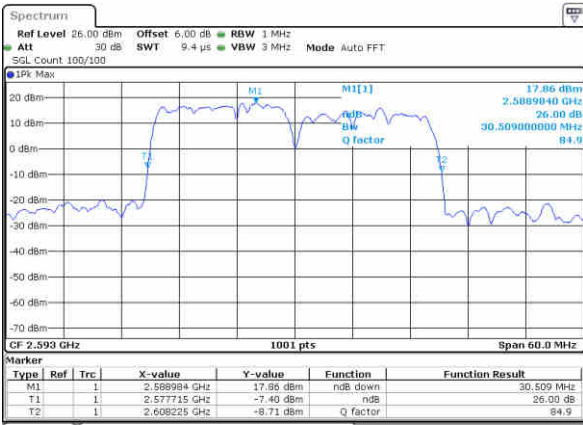
Date: 8 MAR 2020 22:20:48

Lowest Channel / 15MHz+20MHz



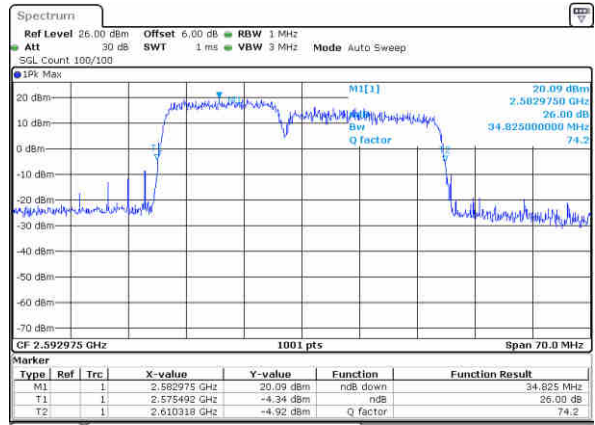
Date: 8 MAR 2020 02:56:28

Middle Channel / 15MHz+15MHz



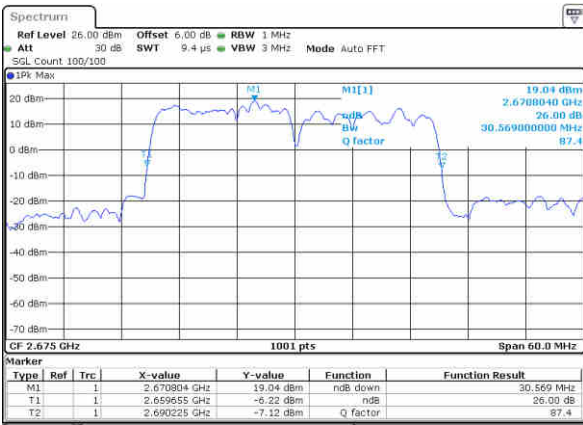
Date: 8 MAR 2020 23:48:53

Middle Channel / 15MHz+20MHz



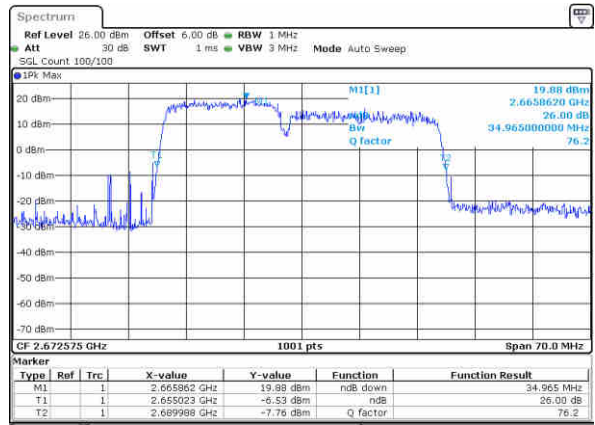
Date: 8 MAR 2020 03:45:25

Highest Channel / 15MHz+15MHz



Date: 8 MAR 2020 23:52:41

Highest Channel / 15MHz+20MHz



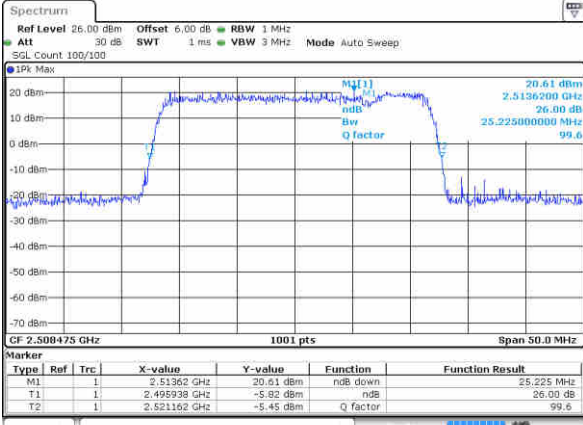
Date: 8 MAR 2020 03:48:02



LTE Band 41C_CA

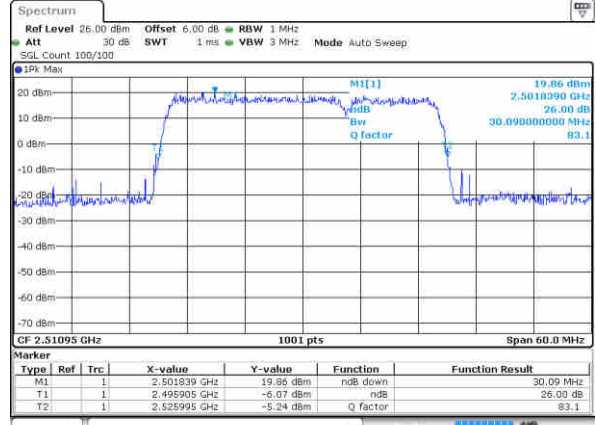
QPSK

Lowest Channel / 20MHz+5MHz



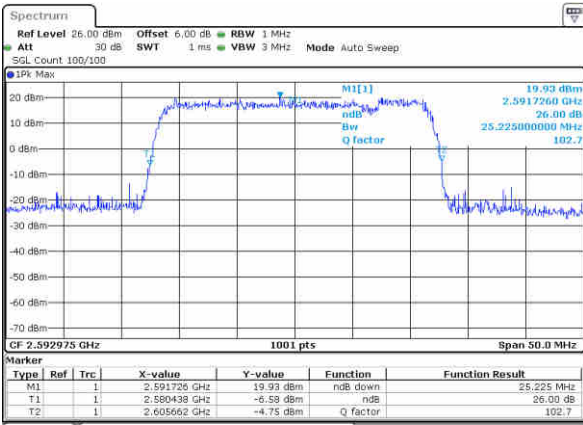
Date: 8 MAR 2020 05:57:56

Lowest Channel / 20MHz+10MHz



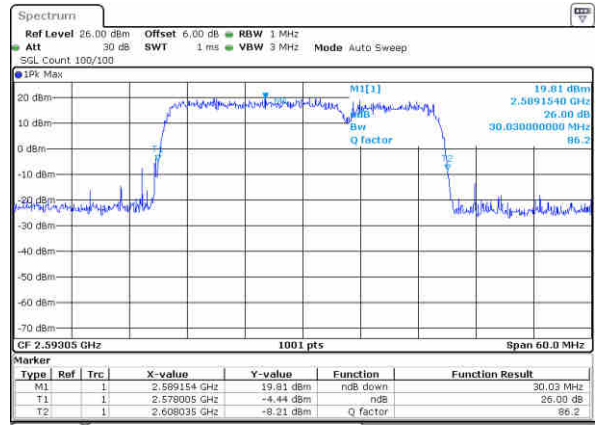
Date: 8 MAR 2020 07:18:50

Middle Channel / 20MHz+5MHz



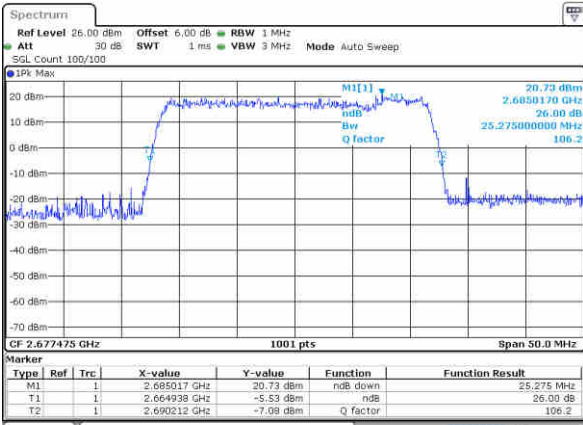
Date: 8 MAR 2020 06:14:44

Middle Channel / 20MHz+10MHz



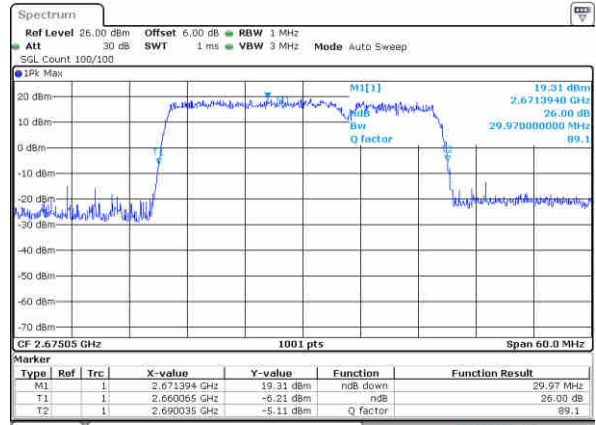
Date: 8 MAR 2020 07:22:15

Highest Channel / 20MHz+5MHz



Date: 8 MAR 2020 06:17:35

Highest Channel / 20MHz+10MHz



Date: 8 MAR 2020 08:22:34