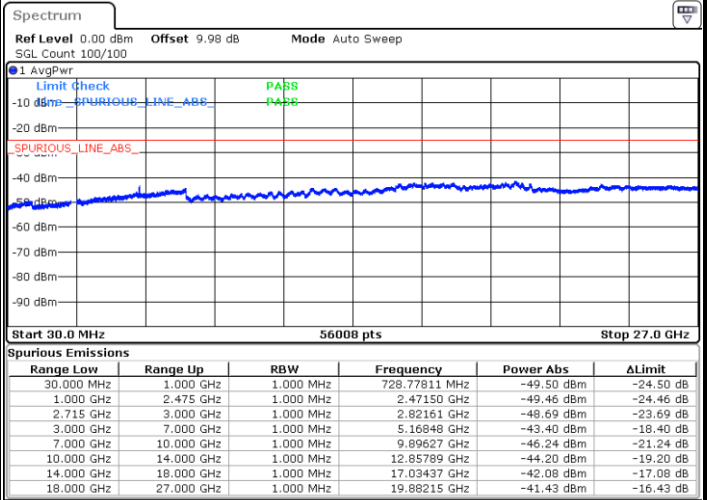
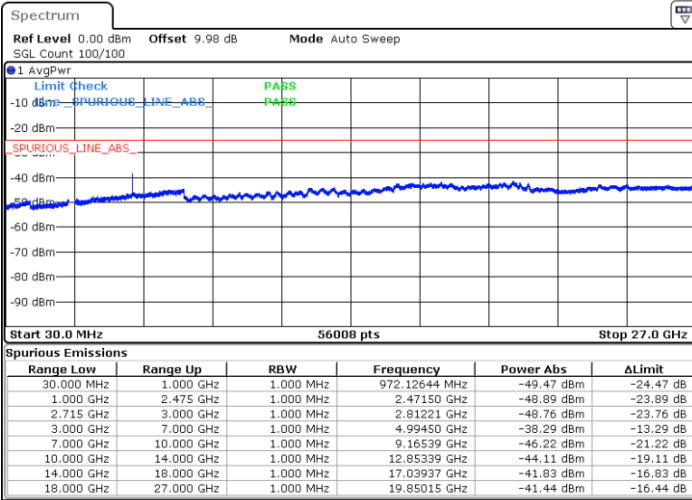




LTE Band 41 / 20MHz

Lowest Channel / 64QAM

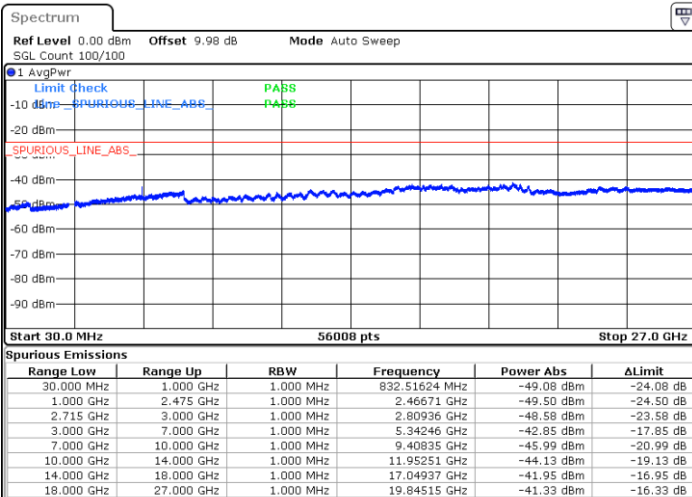
Middle Channel / 64QAM



Date: 21 JUN 2020 23:41:05

Date: 21 JUN 2020 23:41:59

Highest Channel / 64QAM



Date: 21 JUN 2020 23:42:54



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0034	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0043	
20	Battery End Point	0.0036	

Note:

- 7. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.
- 8. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 71

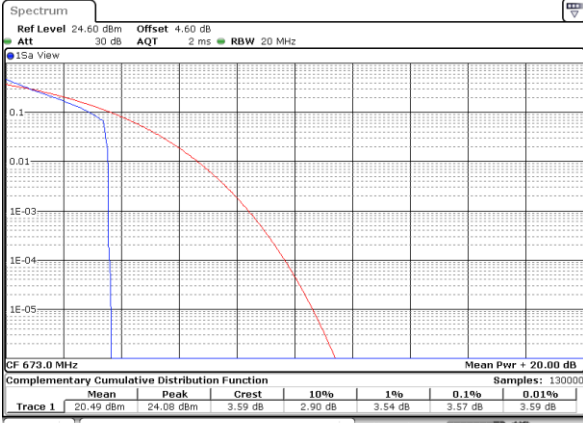
## Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.99	4.67	5.94	PASS
Middle CH	3.54	4.78	5.01	5.91	
Highest CH	3.57	5.04	5.42	5.91	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.38	6.46	-	-	PASS
Middle CH	5.86	6.32	-	-	
Highest CH	6.87	6.38	-	-	



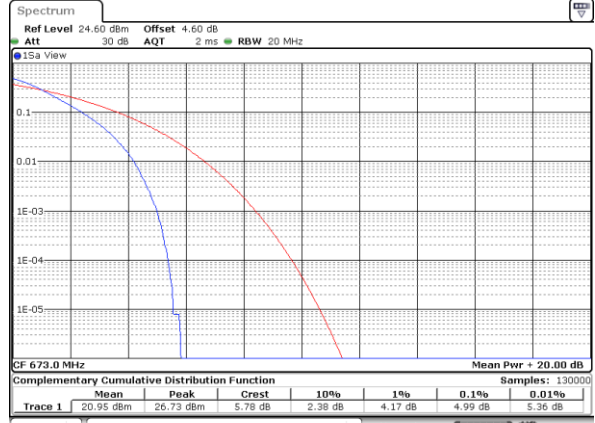
LTE Band 71 / 20MHz / QPSK

Lowest Channel / 1RB



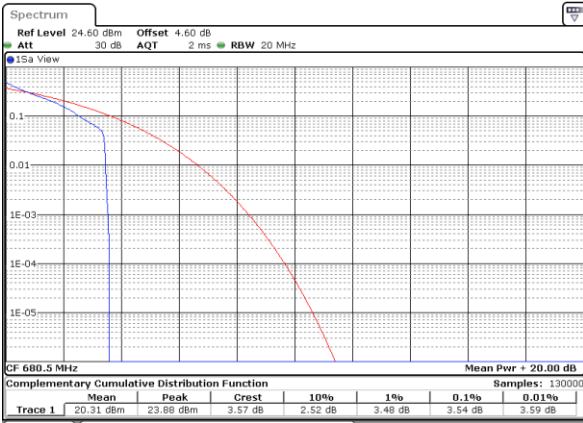
Date: 25 JUN 2020 00:48:42

Lowest Channel / Full RB



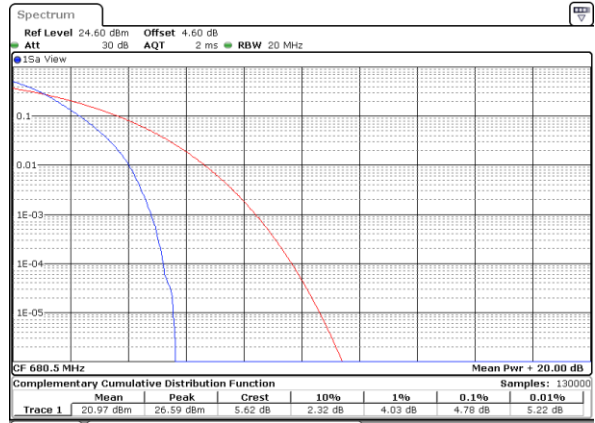
Date: 25 JUN 2020 00:50:31

Middle Channel / 1RB



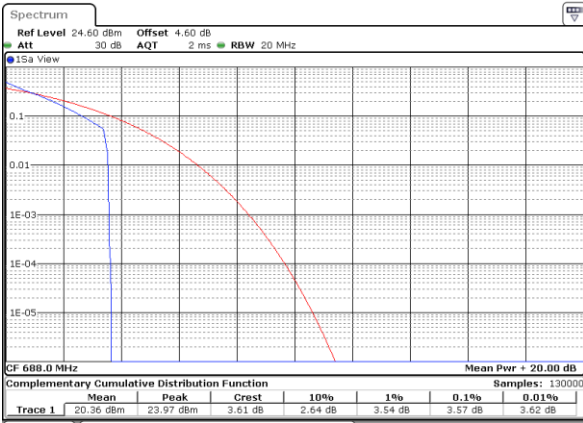
Date: 25 JUN 2020 00:06:56

Middle Channel / Full RB



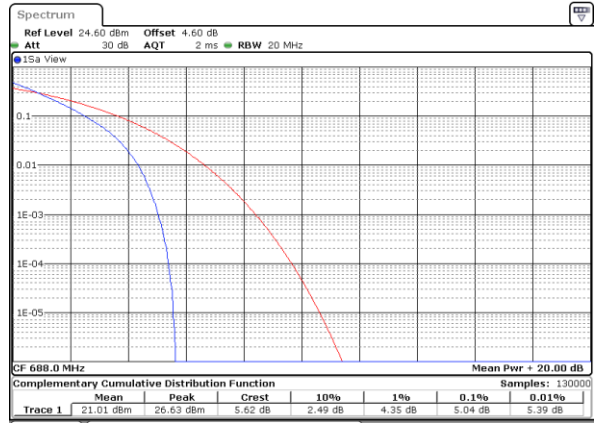
Date: 25 JUN 2020 00:06:29

Highest Channel / 1RB



Date: 25 JUN 2020 03:59:08

Highest Channel / Full RB

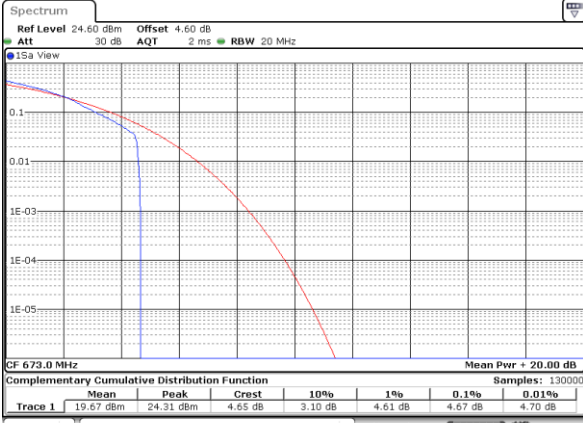


Date: 25 JUN 2020 03:45:40



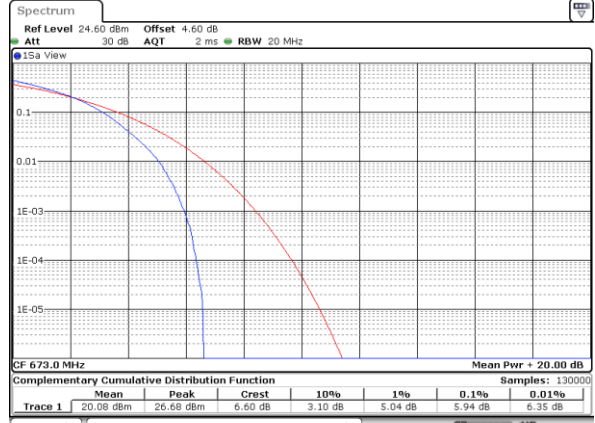
LTE Band 71 / 20MHz / 16QAM

Lowest Channel / 1RB



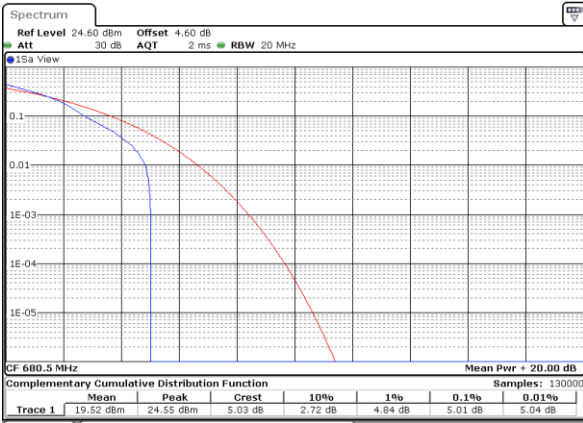
Date: 25 JUN 2020 00:47:35

Lowest Channel / Full RB



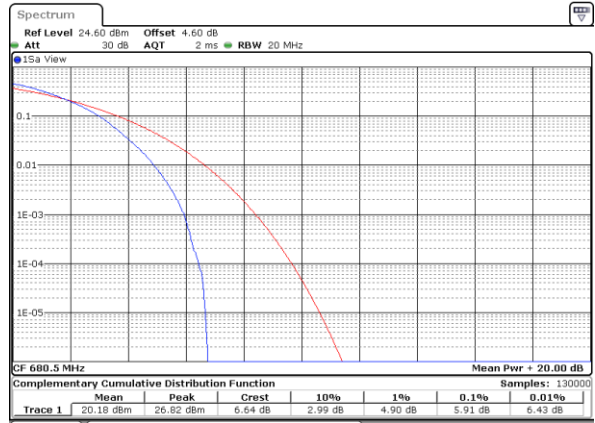
Date: 25 JUN 2020 02:01:43

Middle Channel / 1RB



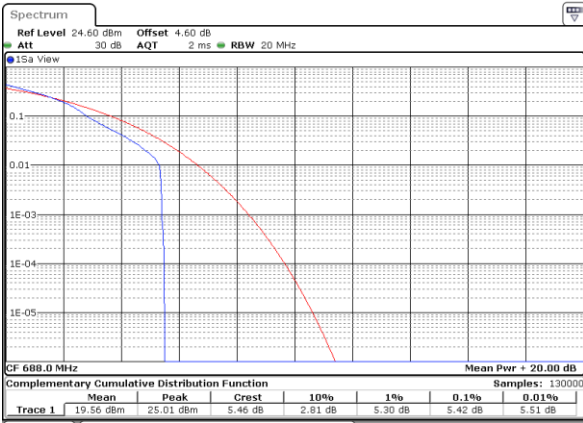
Date: 25 JUN 2020 00:07:30

Middle Channel / Full RB



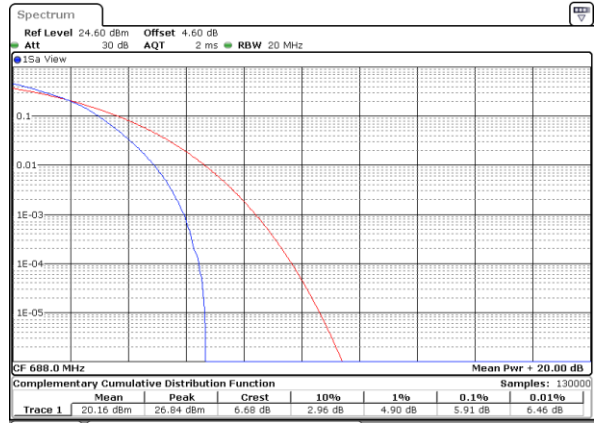
Date: 25 JUN 2020 00:06:04

Highest Channel / 1RB



Date: 25 JUN 2020 03:52:08

Highest Channel / Full RB

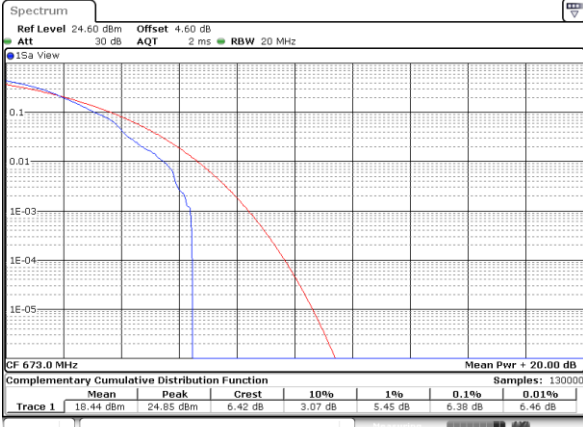


Date: 25 JUN 2020 03:45:18



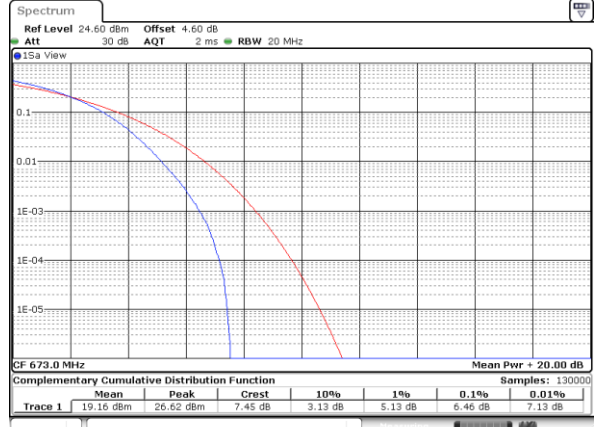
LTE Band 71 / 20MHz / 64QAM

Lowest Channel / 1RB



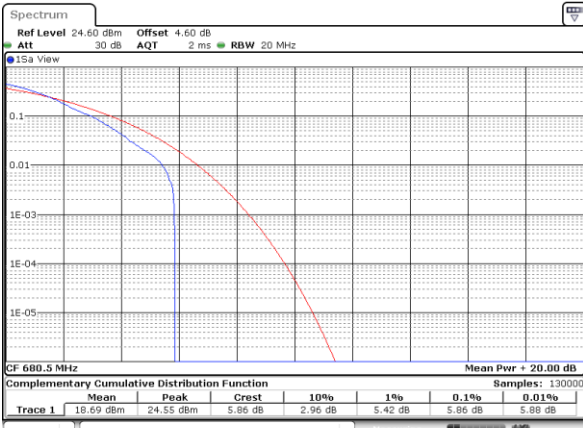
Date: 25 JUN 2020 00:10:02

Lowest Channel / Full RB



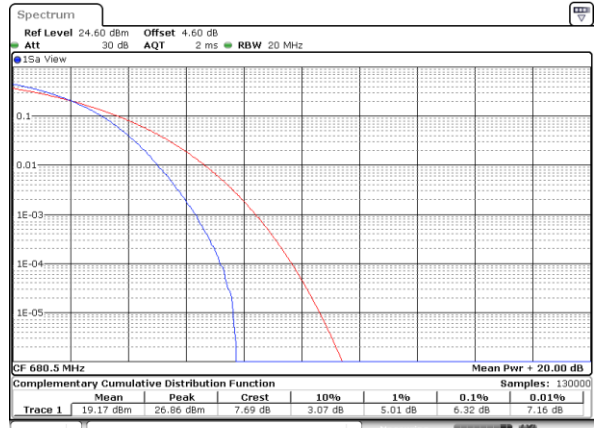
Date: 25 JUN 2020 02:02:57

Middle Channel / 1RB



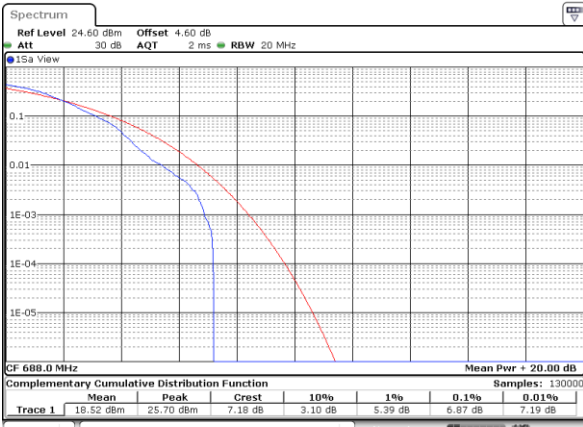
Date: 25 JUN 2020 00:09:25

Middle Channel / Full RB



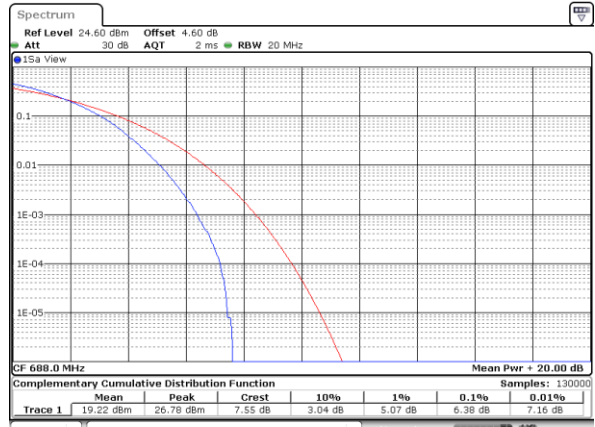
Date: 25 JUN 2020 00:05:38

Highest Channel / 1RB



Date: 25 JUN 2020 03:50:30

Highest Channel / Full RB



Date: 25 JUN 2020 03:46:46



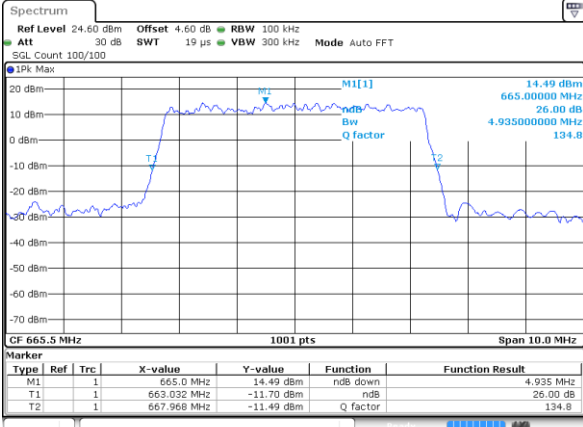
26dB Bandwidth

Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.94	4.92	9.85	9.69	14.21	14.39	18.94	18.78
Middle CH	-	-	-	-	4.91	4.92	9.77	9.77	14.27	14.30	19.10	19.10
Highest CH	-	-	-	-	4.95	4.93	9.75	9.71	14.42	14.24	18.90	19.02
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.88	-	9.79	-	14.33	-	19.22	-
Middle CH	-	-	-	-	4.89	-	9.75	-	14.30	-	18.82	-
Highest CH	-	-	-	-	4.89	-	9.81	-	14.30	-	18.98	-



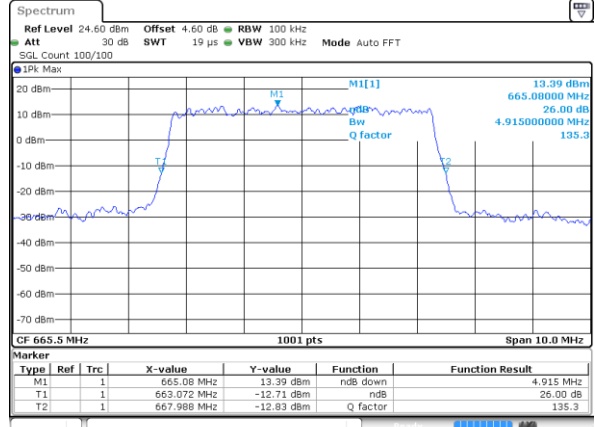
LTE Band 71

Lowest Channel / 5MHz / QPSK



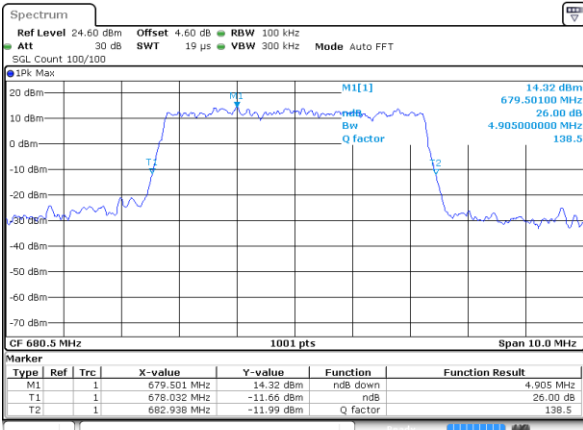
Date: 24 JUN 2020 22:51:36

Lowest Channel / 5MHz / 16QAM



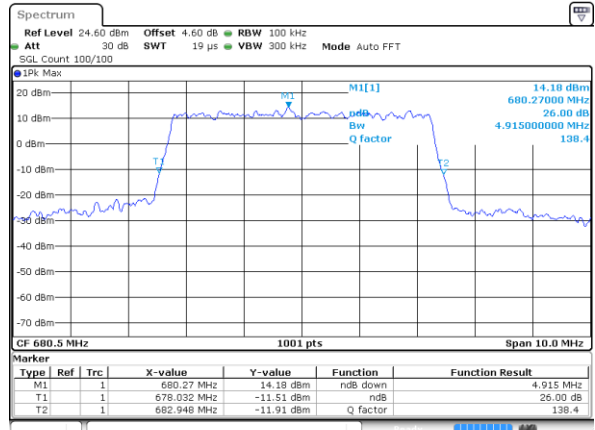
Date: 24 JUN 2020 22:51:09

Middle Channel / 5MHz / QPSK



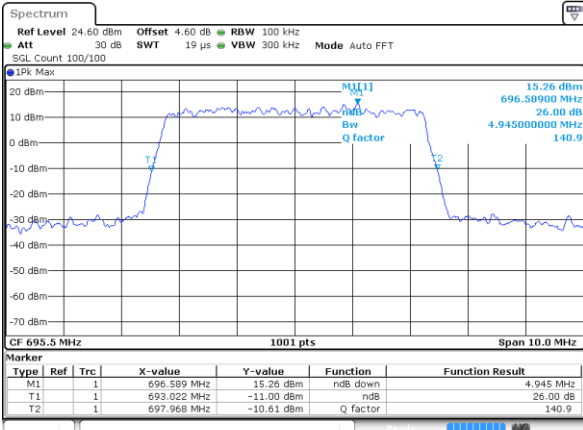
Date: 24 JUN 2020 22:52:46

Middle Channel / 5MHz / 16QAM



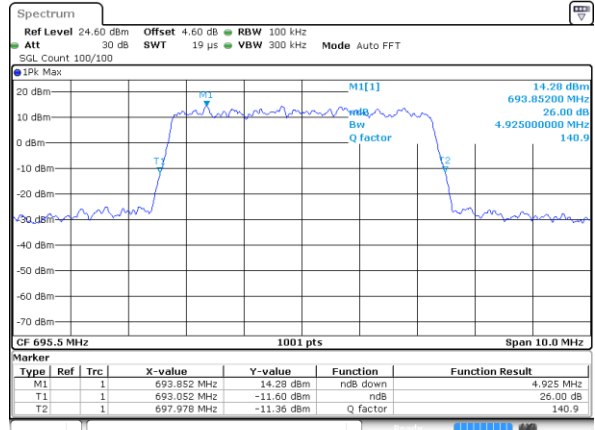
Date: 24 JUN 2020 22:53:04

Highest Channel / 5MHz / QPSK



Date: 24 JUN 2020 22:59:07

Highest Channel / 5MHz / 16QAM



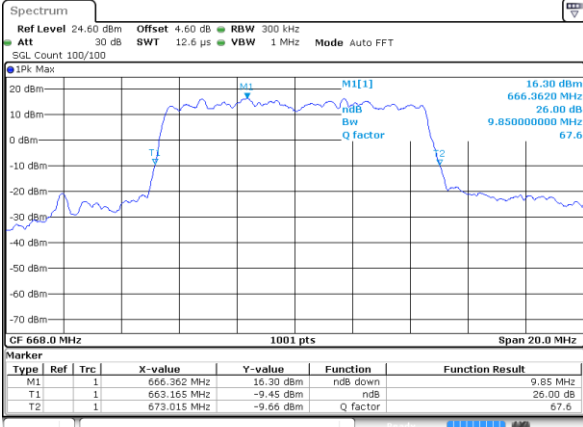
Date: 24 JUN 2020 23:00:53





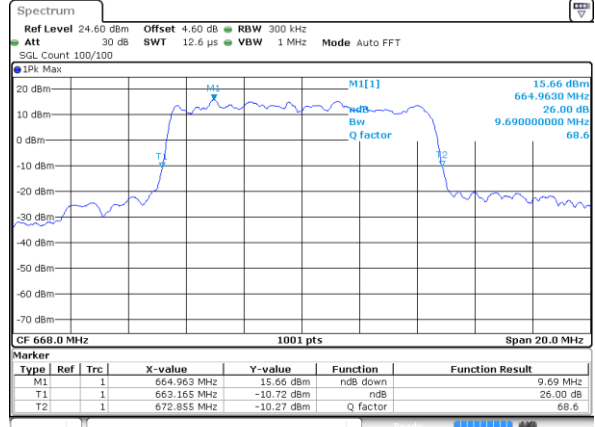
LTE Band 71

Lowest Channel / 10MHz / QPSK



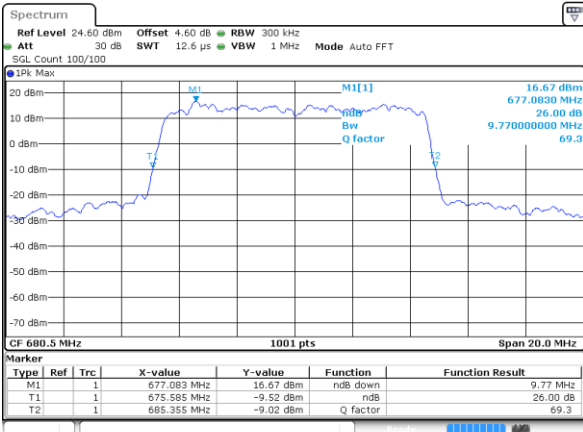
Date: 24 JUN 2020 23:11:40

Lowest Channel / 10MHz / 16QAM



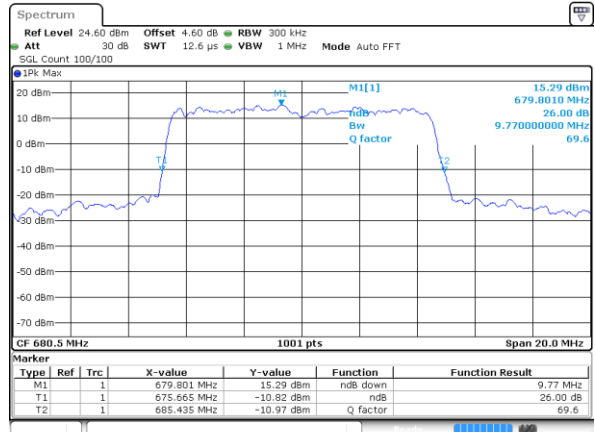
Date: 24 JUN 2020 23:13:14

Middle Channel / 10MHz / QPSK



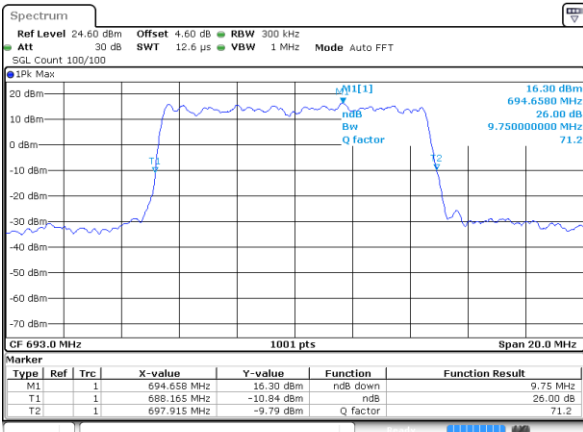
Date: 24 JUN 2020 23:04:18

Middle Channel / 10MHz / 16QAM



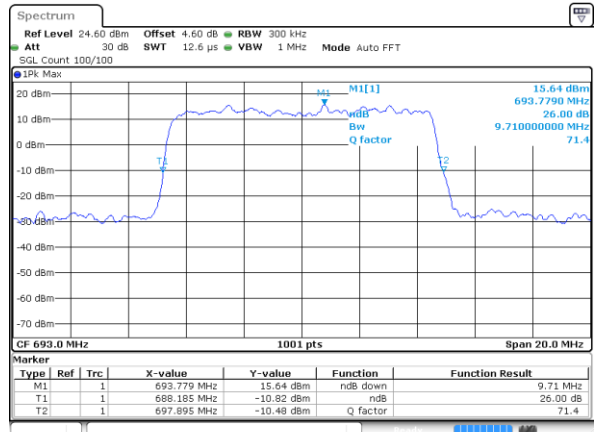
Date: 24 JUN 2020 23:04:00

Highest Channel / 10MHz / QPSK



Date: 24 JUN 2020 23:17:11

Highest Channel / 10MHz / 16QAM

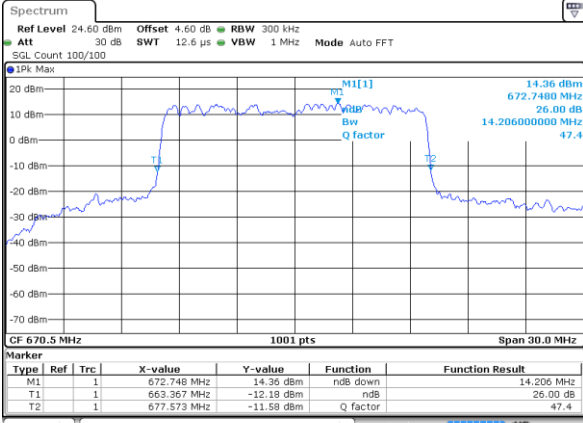


Date: 24 JUN 2020 23:16:05



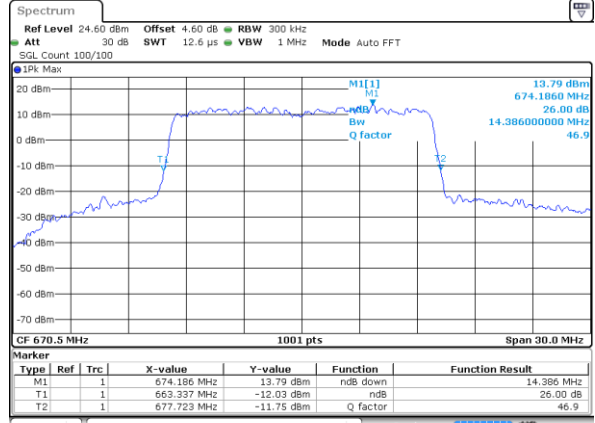
LTE Band 71

Lowest Channel / 15MHz / QPSK



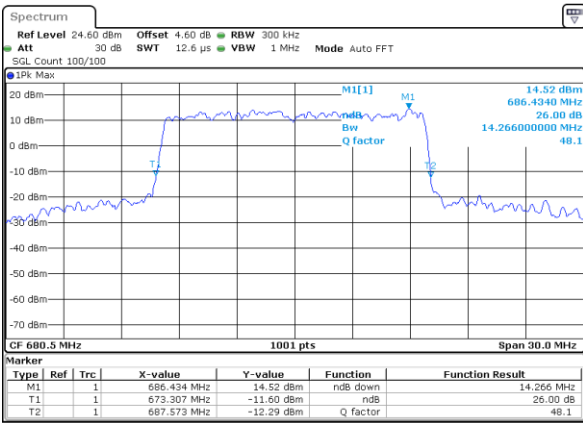
Date: 24 JUN 2020 23:35:12

Lowest Channel / 15MHz / 16QAM



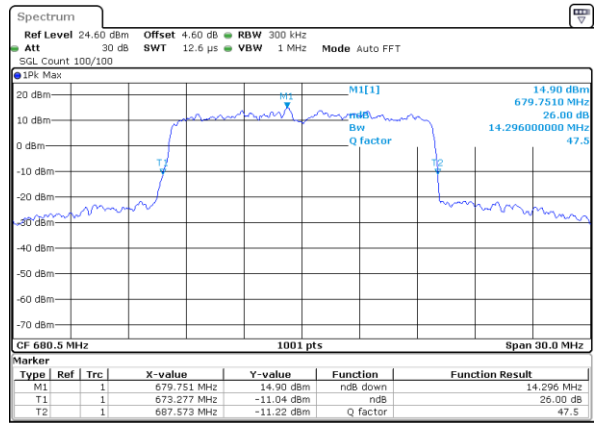
Date: 24 JUN 2020 23:34:20

Middle Channel / 15MHz / QPSK



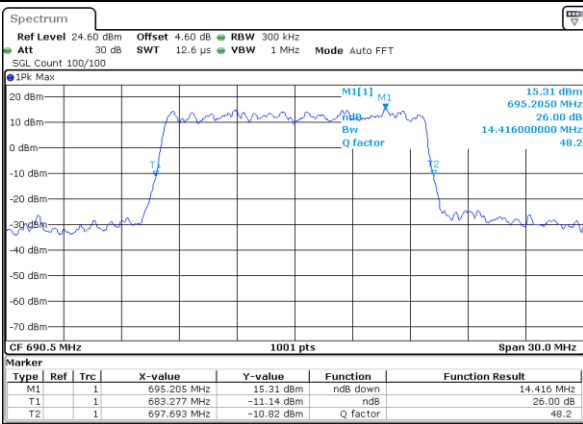
Date: 24 JUN 2020 23:23:21

Middle Channel / 15MHz / 16QAM



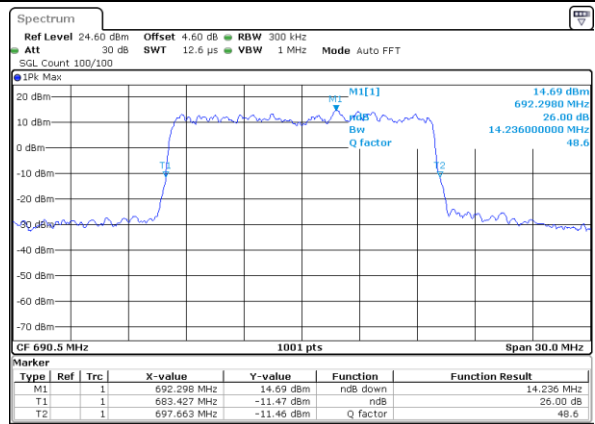
Date: 24 JUN 2020 23:23:50

Highest Channel / 15MHz / QPSK



Date: 24 JUN 2020 23:40:50

Highest Channel / 15MHz / 16QAM

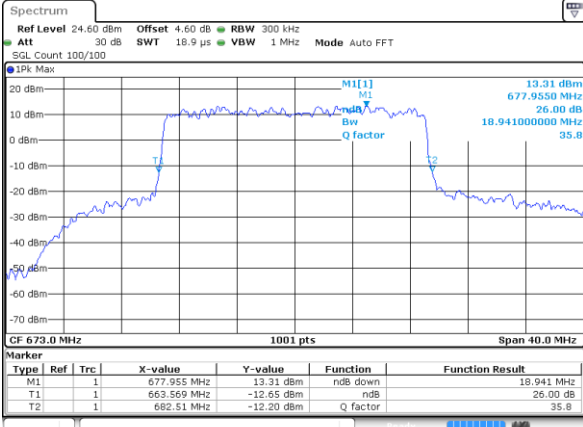


Date: 24 JUN 2020 23:41:40



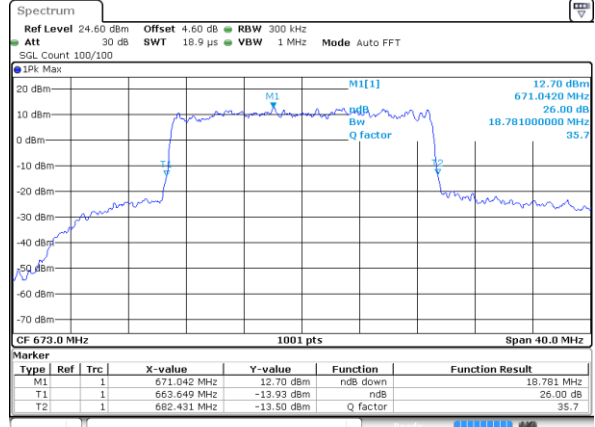
LTE Band 71

Lowest Channel / 20MHz / QPSK



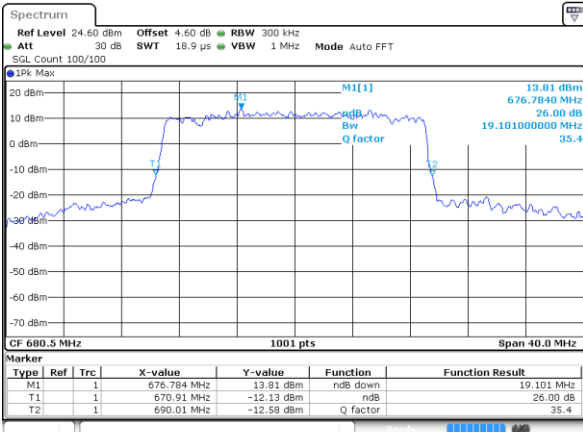
Date: 25 JUN 2020 02:04:23

Lowest Channel / 20MHz / 16QAM



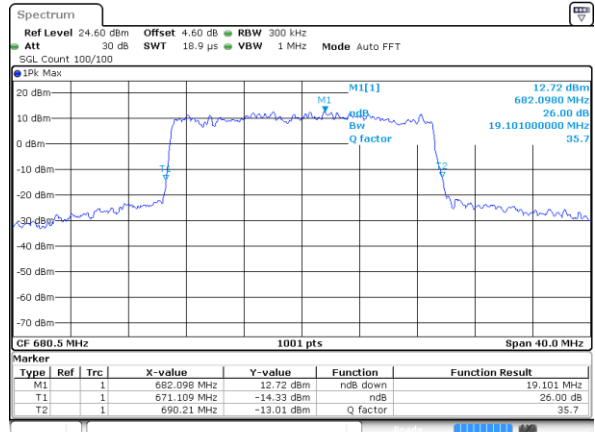
Date: 25 JUN 2020 02:01:58

Middle Channel / 20MHz / QPSK



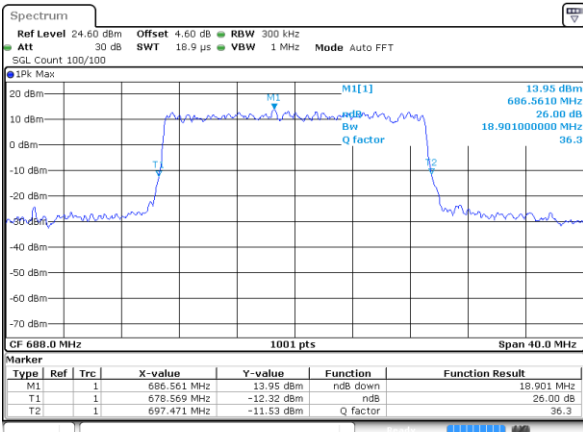
Date: 25 JUN 2020 00:06:42

Middle Channel / 20MHz / 16QAM



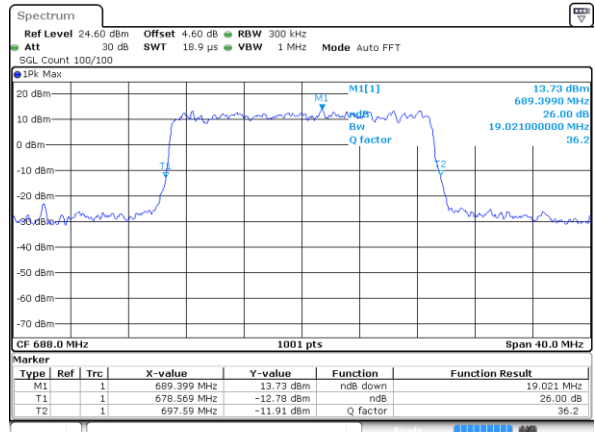
Date: 25 JUN 2020 00:06:15

Highest Channel / 20MHz / QPSK



Date: 25 JUN 2020 03:46:03

Highest Channel / 20MHz / 16QAM

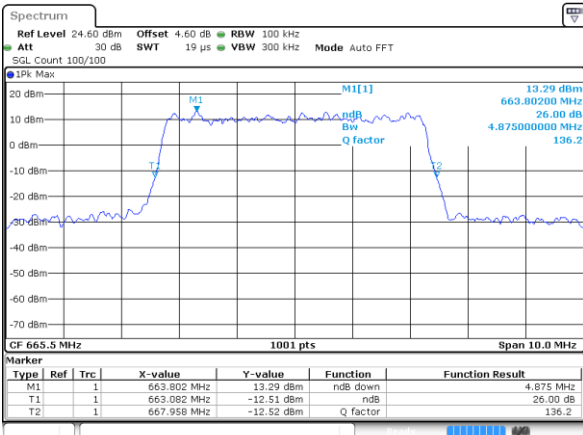


Date: 25 JUN 2020 03:46:29



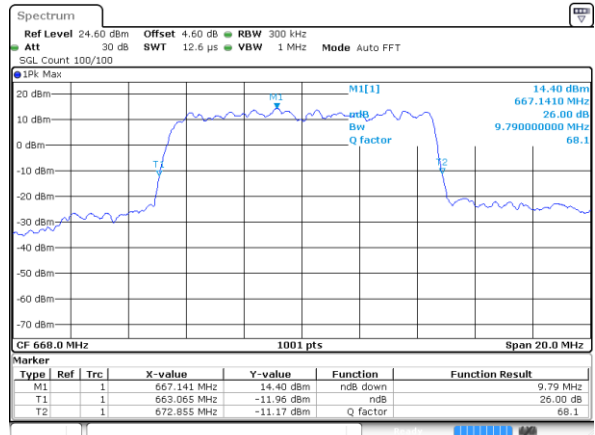
LTE Band 71

Lowest Channel / 5MHz / 64QAM



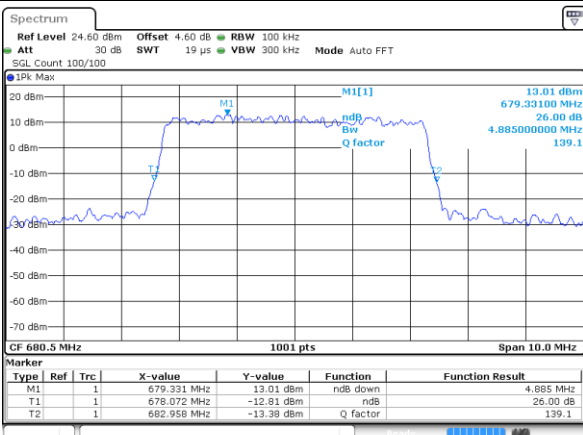
Date: 24 JUN 2020 22:48:56

Lowest Channel / 10MHz / 64QAM



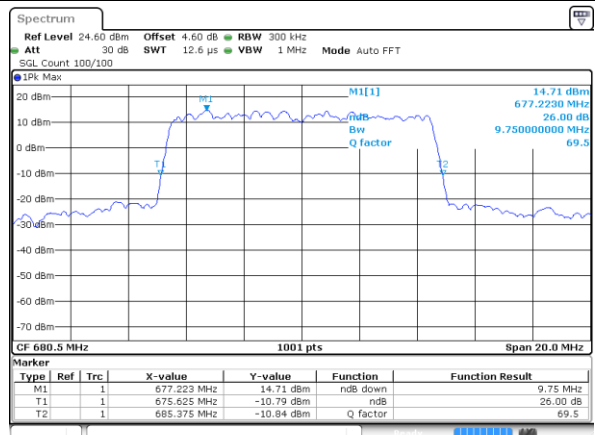
Date: 24 JUN 2020 23:14:08

Middle Channel / 5MHz / 64QAM



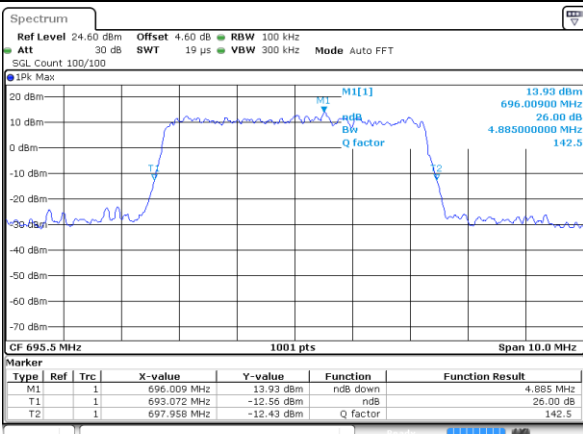
Date: 24 JUN 2020 22:53:21

Middle Channel / 10MHz / 64QAM



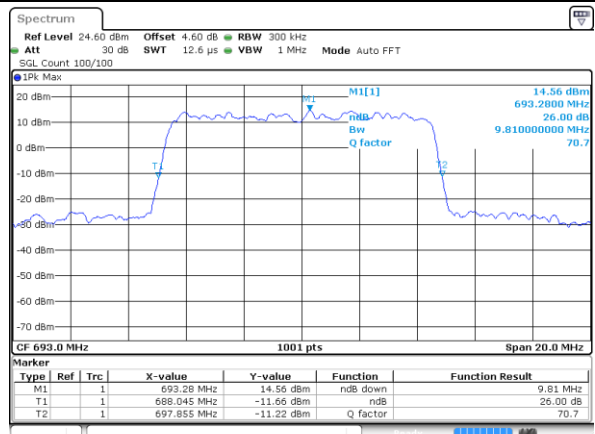
Date: 24 JUN 2020 23:03:40

Highest Channel / 5MHz / 64QAM



Date: 24 JUN 2020 23:01:58

Highest Channel / 10MHz / 64QAM

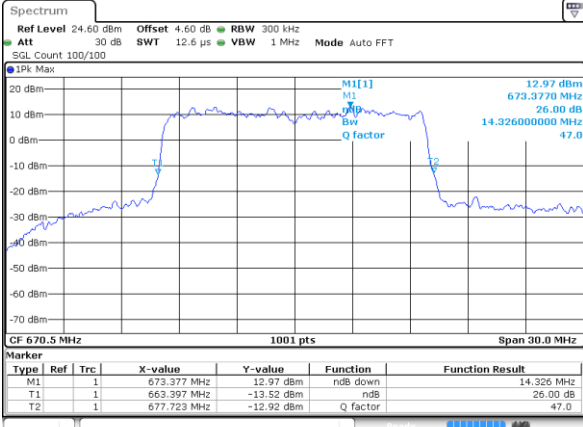


Date: 24 JUN 2020 23:15:02



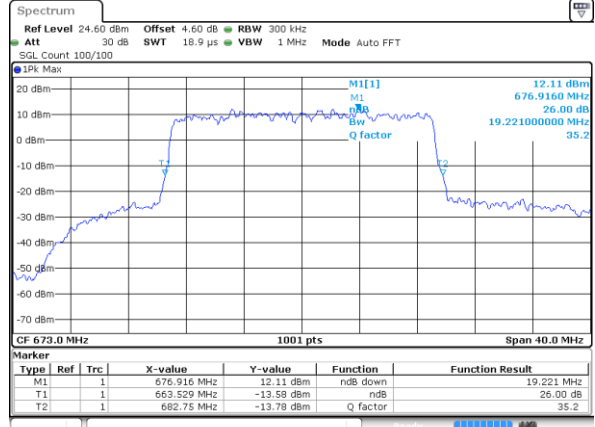
LTE Band 71

Lowest Channel / 15MHz / 64QAM



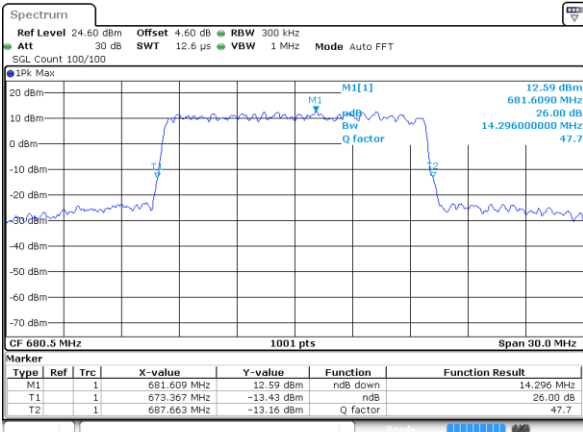
Date: 24 JUN 2020 23:32:44

Lowest Channel / 20MHz / 64QAM



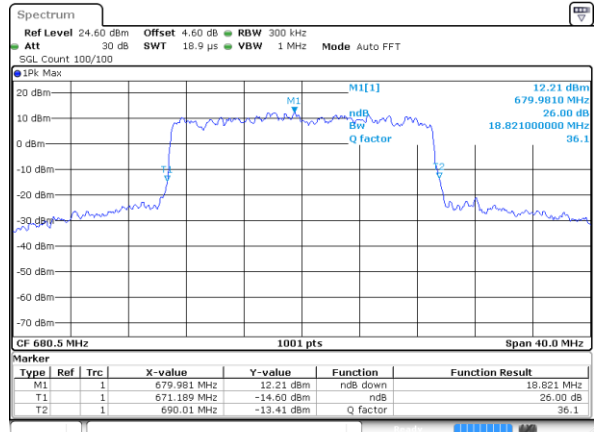
Date: 25 JUN 2020 02:03:11

Middle Channel / 15MHz / 64QAM



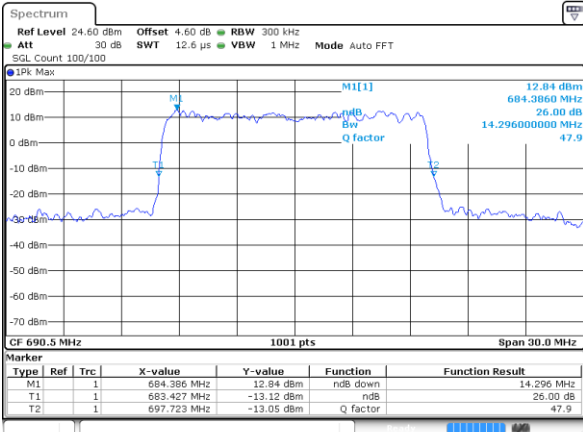
Date: 24 JUN 2020 23:24:08

Middle Channel / 20MHz / 64QAM



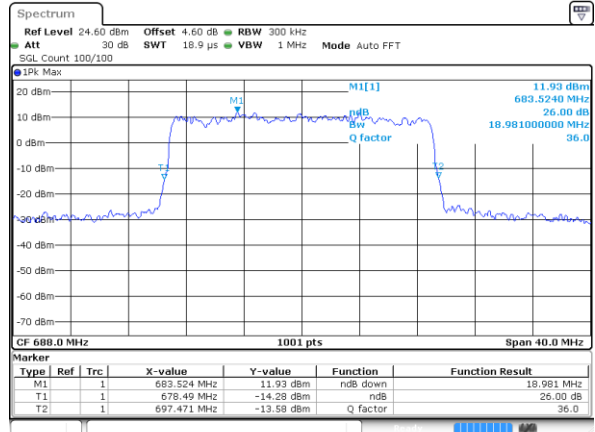
Date: 25 JUN 2020 00:05:50

Highest Channel / 15MHz / 64QAM



Date: 24 JUN 2020 23:43:14

Highest Channel / 20MHz / 64QAM



Date: 25 JUN 2020 03:47:02



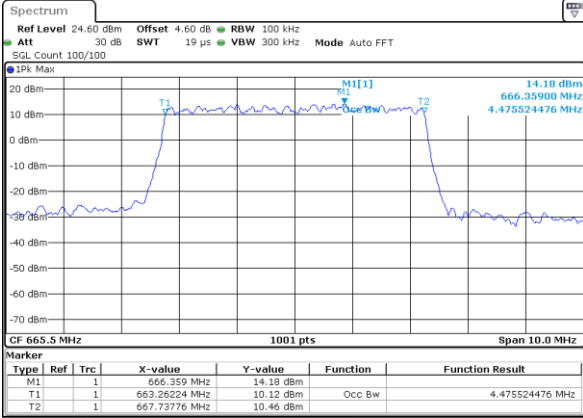
### Occupied Bandwidth

Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.50	8.99	8.93	13.40	13.49	17.86	17.82
Middle CH	-	-	-	-	4.51	4.51	8.97	9.01	13.40	13.46	17.86	17.86
Highest CH	-	-	-	-	4.50	4.50	8.99	8.97	13.46	13.49	17.86	17.94
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.49	-	8.97	-	13.49	-	17.86	-
Middle CH	-	-	-	-	4.52	-	9.01	-	13.40	-	17.86	-
Highest CH	-	-	-	-	4.50	-	9.01	-	13.46	-	17.90	-



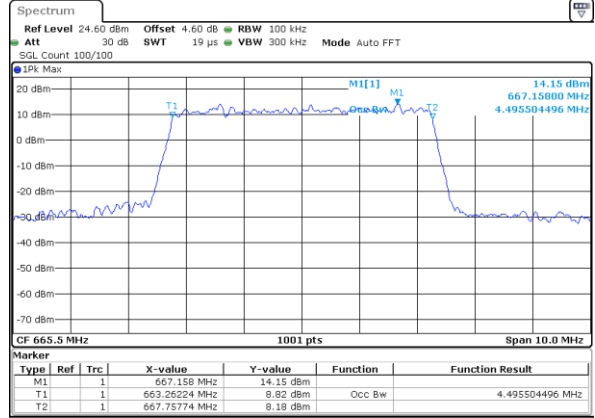
LTE Band 71

Lowest Channel / 5MHz / QPSK



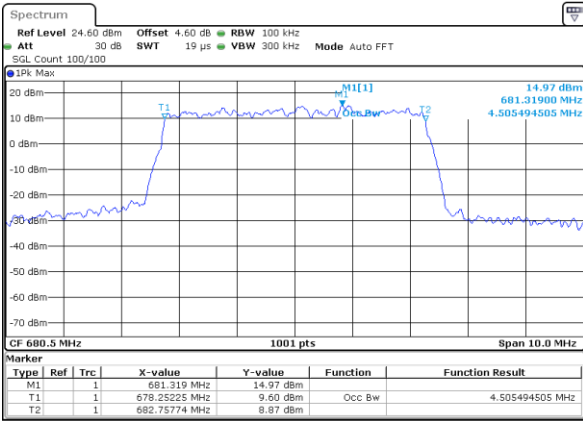
Date: 24 JUN 2020 22:51:27

Lowest Channel / 5MHz / 16QAM



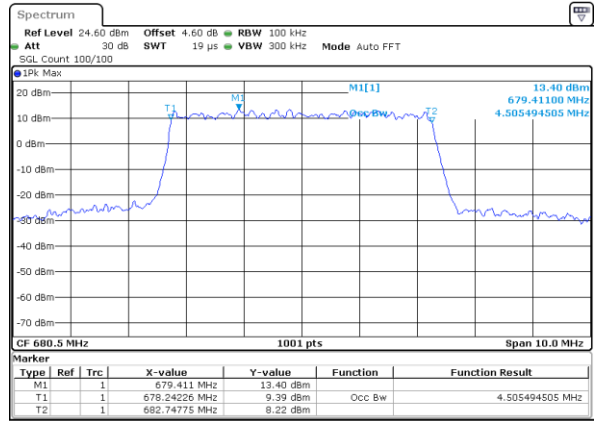
Date: 24 JUN 2020 22:51:15

Middle Channel / 5MHz / QPSK



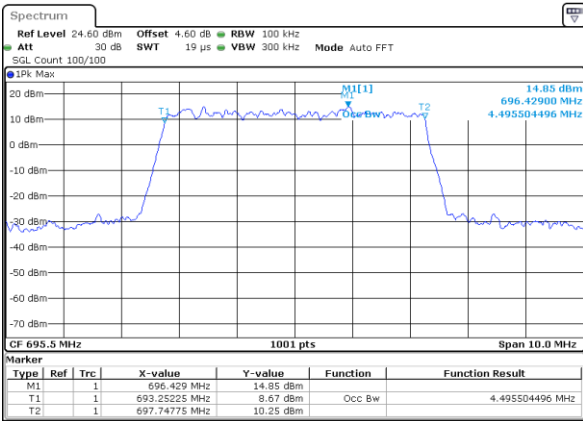
Date: 24 JUN 2020 22:52:41

Middle Channel / 5MHz / 16QAM



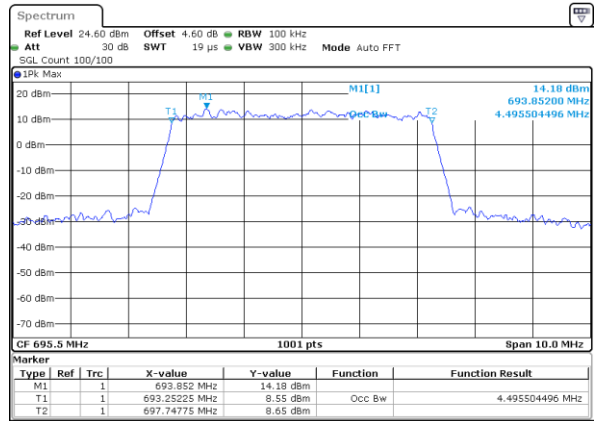
Date: 24 JUN 2020 22:52:58

Highest Channel / 5MHz / QPSK



Date: 24 JUN 2020 22:58:59

Highest Channel / 5MHz / 16QAM

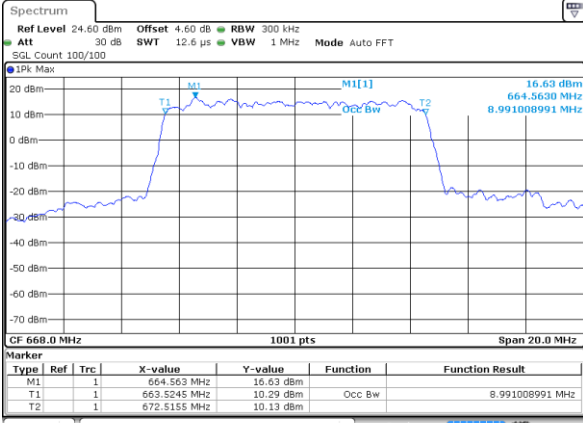


Date: 24 JUN 2020 23:00:39



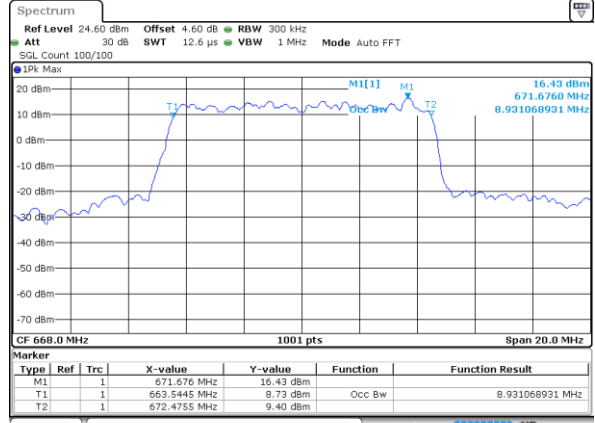
LTE Band 71

Lowest Channel / 10MHz / QPSK



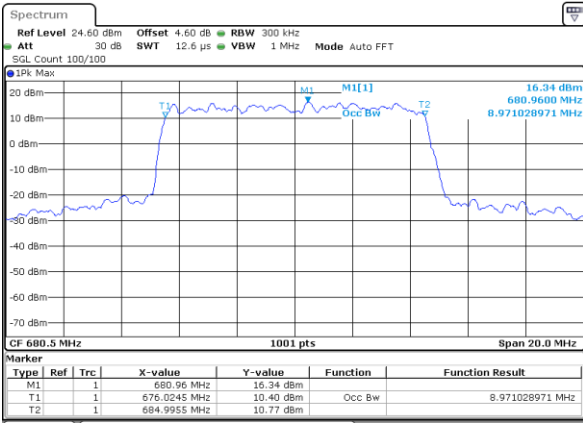
Date: 24 JUN 2020 23:11:34

Lowest Channel / 10MHz / 16QAM



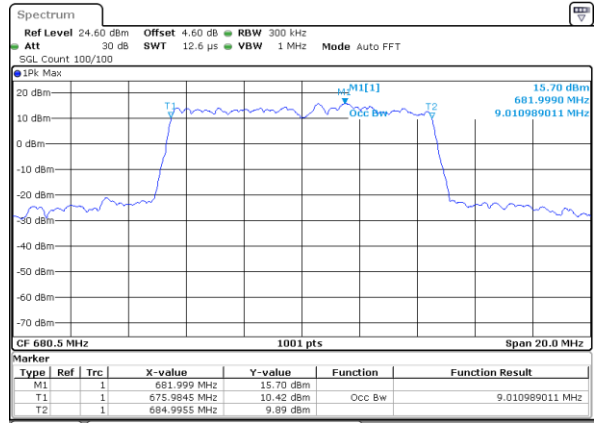
Date: 24 JUN 2020 23:12:59

Middle Channel / 10MHz / QPSK



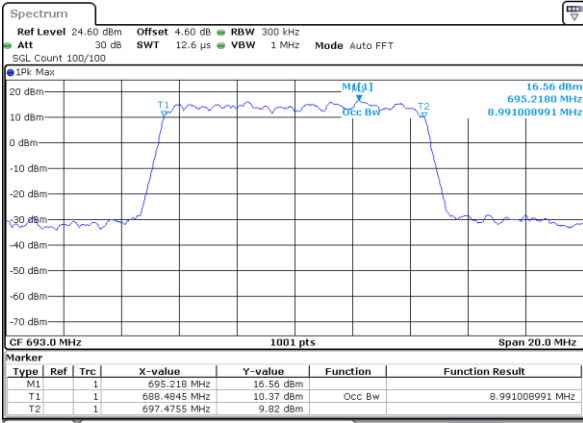
Date: 24 JUN 2020 23:04:10

Middle Channel / 10MHz / 16QAM



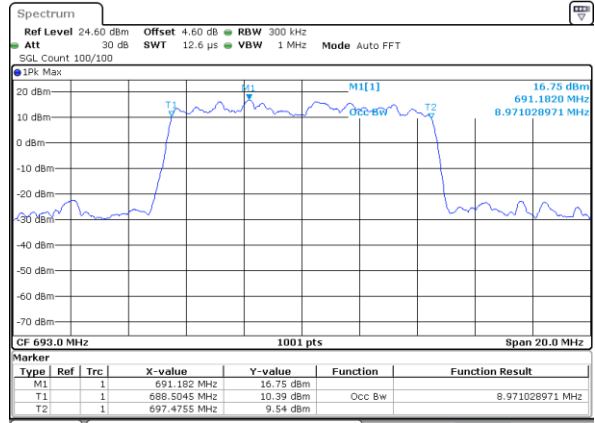
Date: 24 JUN 2020 23:03:53

Highest Channel / 10MHz / QPSK



Date: 24 JUN 2020 23:17:05

Highest Channel / 10MHz / 16QAM



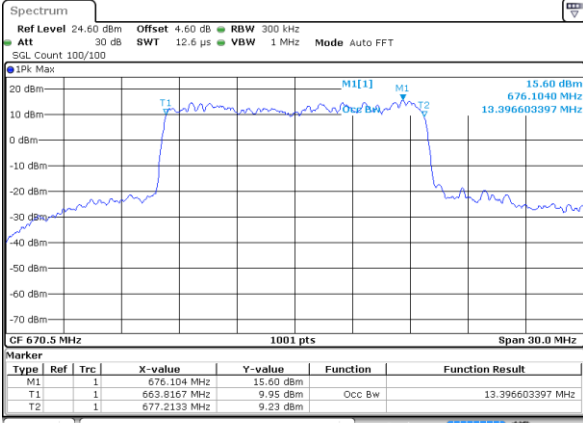
Date: 24 JUN 2020 23:15:59





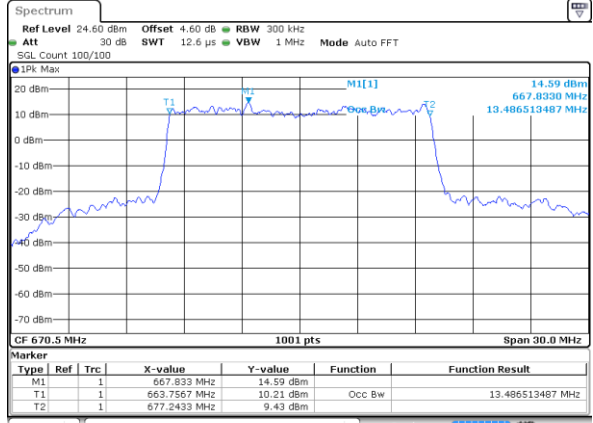
LTE Band 71

Lowest Channel / 15MHz / QPSK



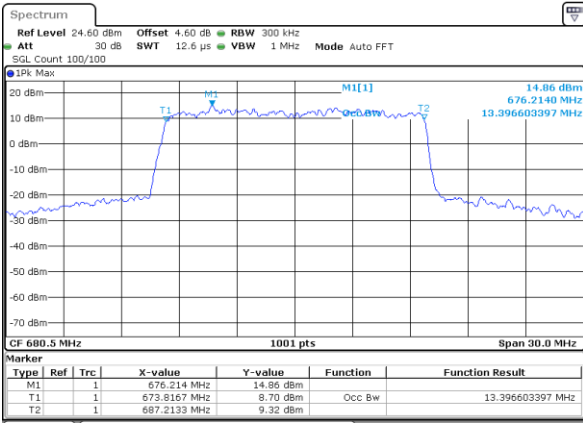
Date: 24 JUN 2020 23:35:06

Lowest Channel / 15MHz / 16QAM



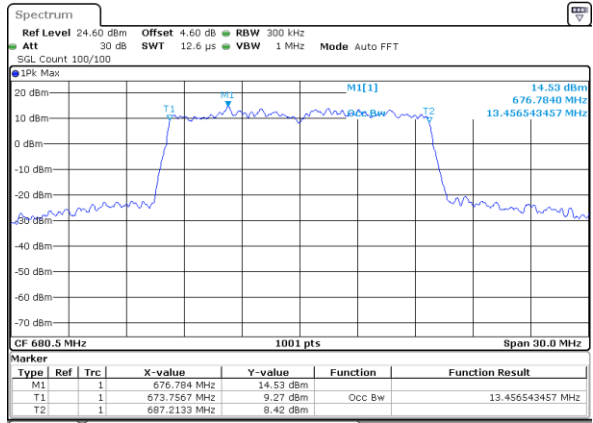
Date: 24 JUN 2020 23:34:13

Middle Channel / 15MHz / QPSK



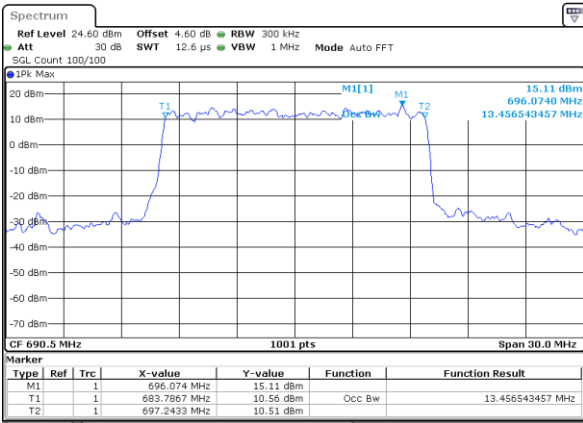
Date: 24 JUN 2020 23:23:13

Middle Channel / 15MHz / 16QAM



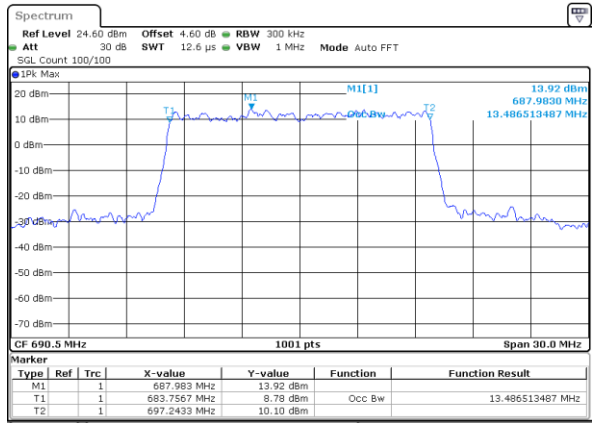
Date: 24 JUN 2020 23:23:40

Highest Channel / 15MHz / QPSK



Date: 24 JUN 2020 23:40:44

Highest Channel / 15MHz / 16QAM

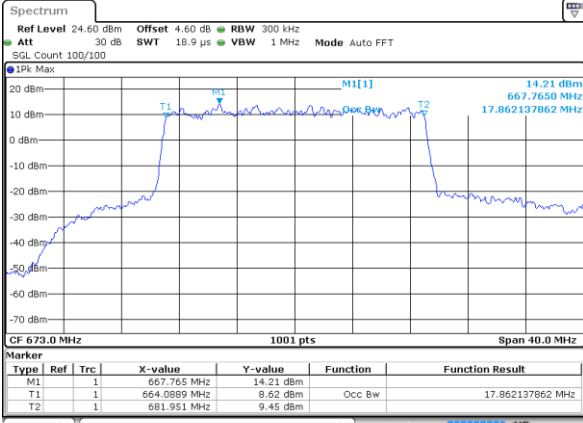


Date: 24 JUN 2020 23:41:35



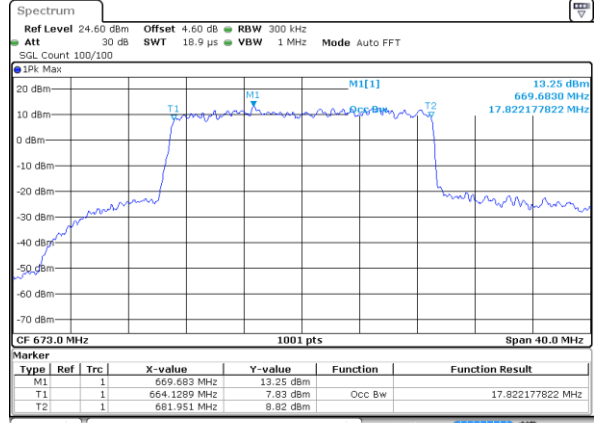
LTE Band 71

Lowest Channel / 20MHz / QPSK



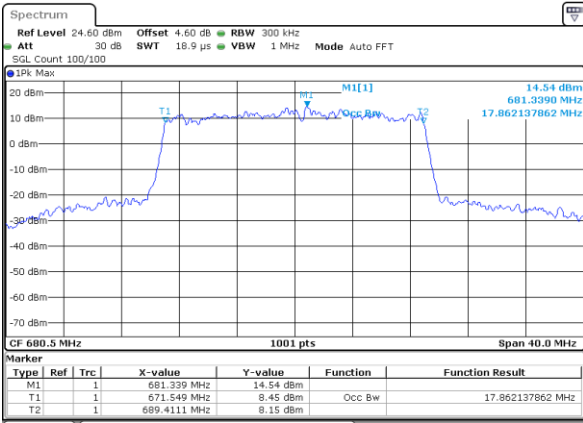
Date: 25 JUN 2020 02:04:16

Lowest Channel / 20MHz / 16QAM



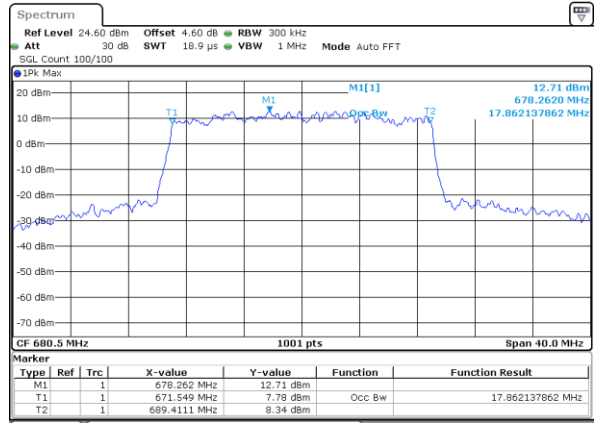
Date: 25 JUN 2020 02:01:51

Middle Channel / 20MHz / QPSK



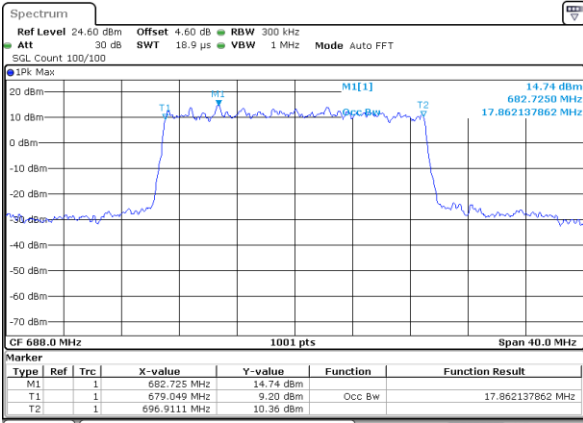
Date: 25 JUN 2020 00:06:36

Middle Channel / 20MHz / 16QAM



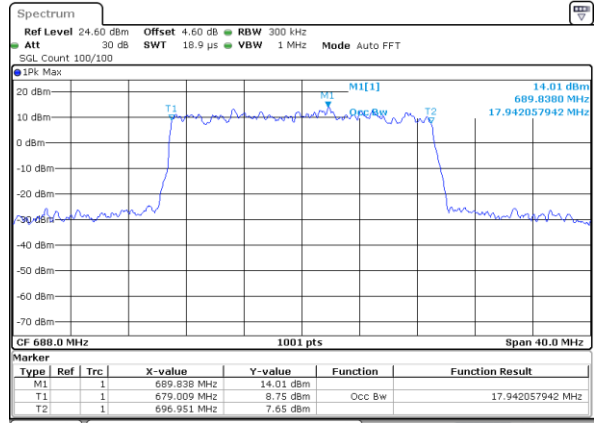
Date: 25 JUN 2020 00:06:09

Highest Channel / 20MHz / QPSK



Date: 25 JUN 2020 03:45:46

Highest Channel / 20MHz / 16QAM

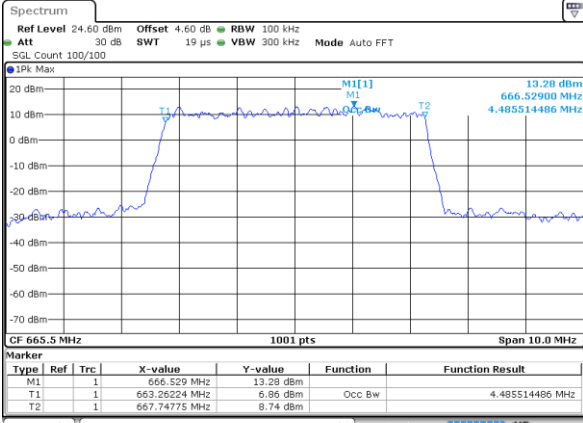


Date: 25 JUN 2020 03:45:30



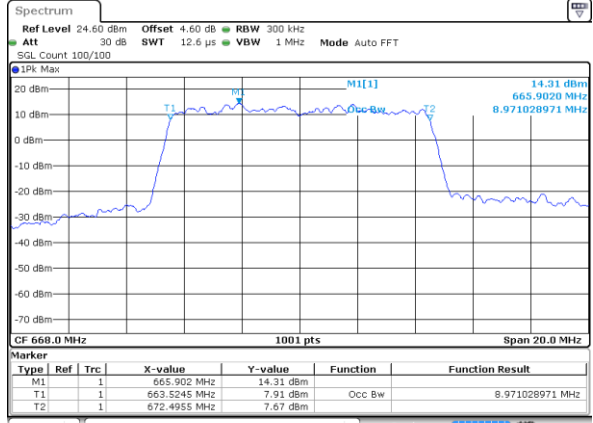
LTE Band 71

Lowest Channel / 5MHz / 64QAM



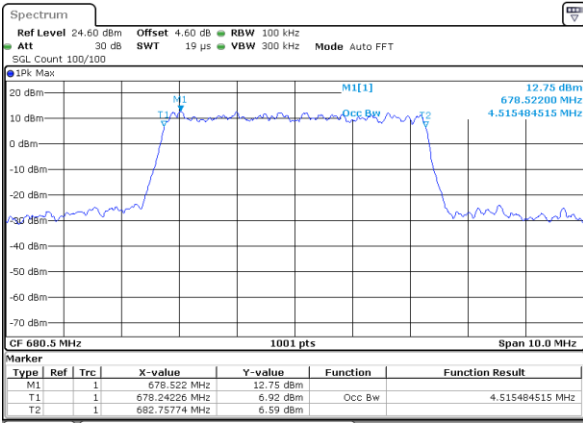
Date: 24 JUN 2020 22:48:16

Lowest Channel / 10MHz / 64QAM



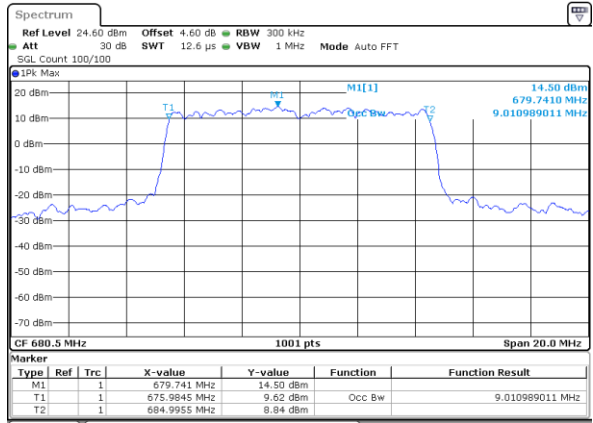
Date: 24 JUN 2020 23:14:02

Middle Channel / 5MHz / 64QAM



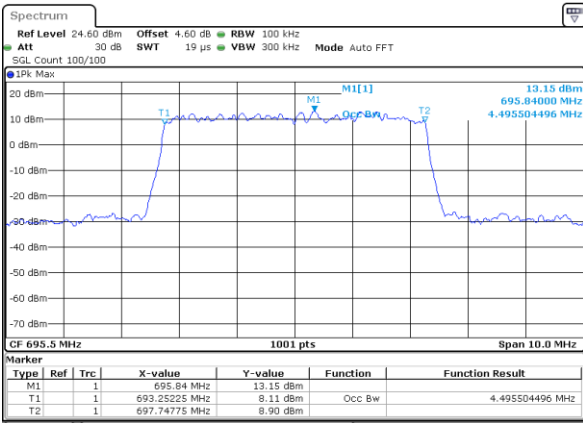
Date: 24 JUN 2020 22:53:15

Middle Channel / 10MHz / 64QAM



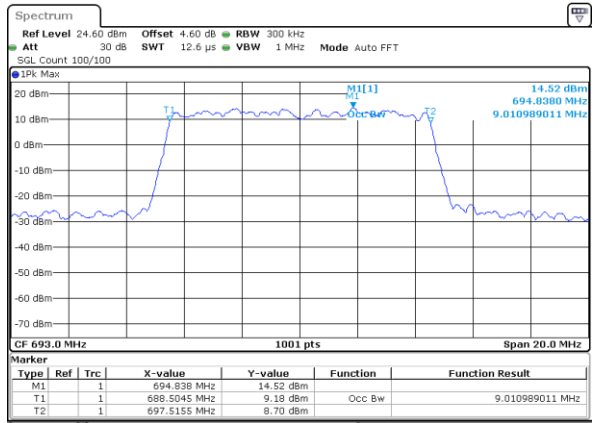
Date: 24 JUN 2020 23:03:30

Highest Channel / 5MHz / 64QAM



Date: 24 JUN 2020 23:01:50

Highest Channel / 10MHz / 64QAM

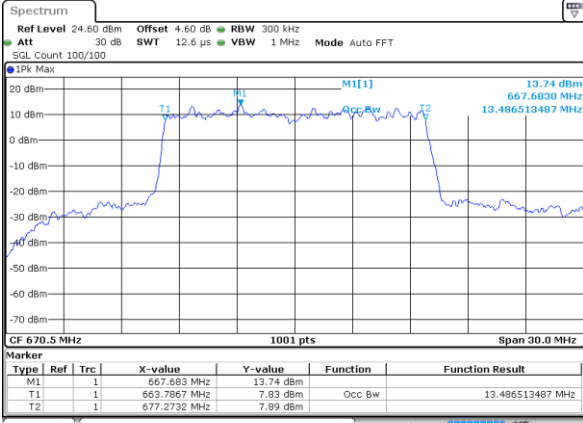


Date: 24 JUN 2020 23:14:56



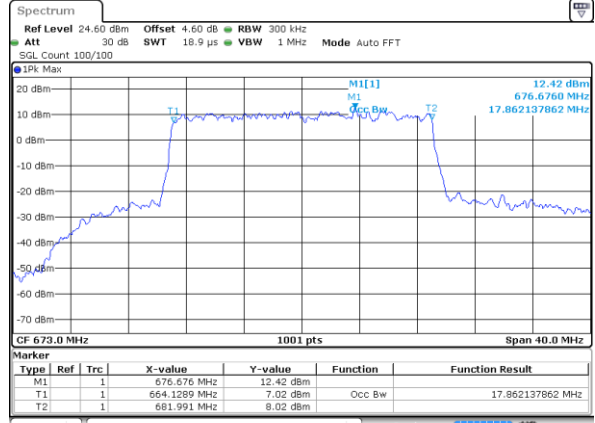
LTE Band 71

Lowest Channel / 15MHz / 64QAM



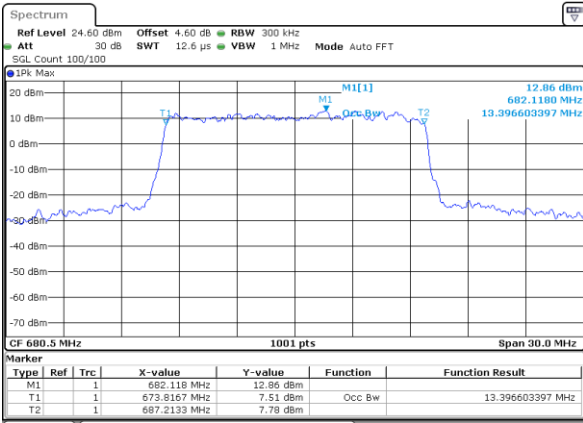
Date: 24 JUN 2020 23:32:39

Lowest Channel / 20MHz / 64QAM



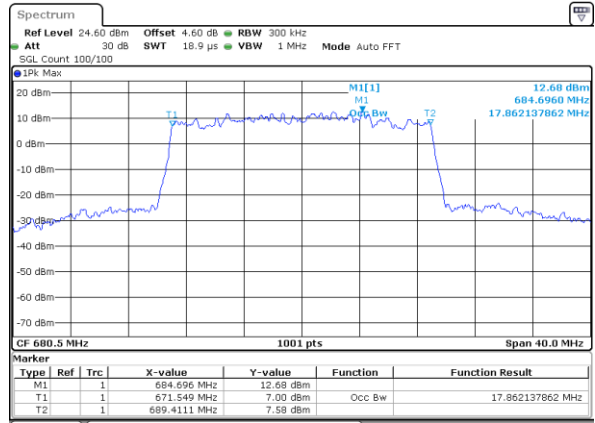
Date: 25 JUN 2020 02:03:04

Middle Channel / 15MHz / 64QAM



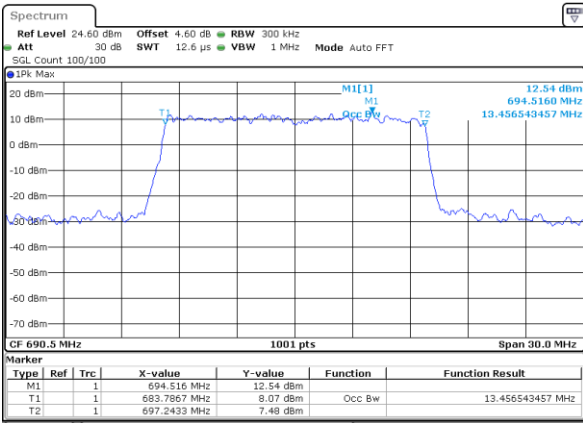
Date: 24 JUN 2020 23:24:01

Middle Channel / 20MHz / 64QAM



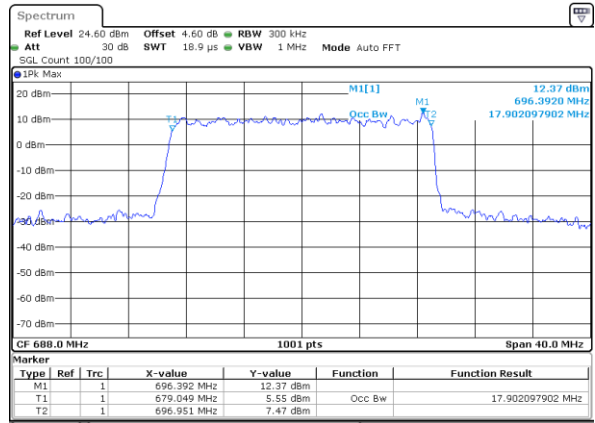
Date: 25 JUN 2020 00:05:45

Highest Channel / 15MHz / 64QAM



Date: 24 JUN 2020 23:43:08

Highest Channel / 20MHz / 64QAM



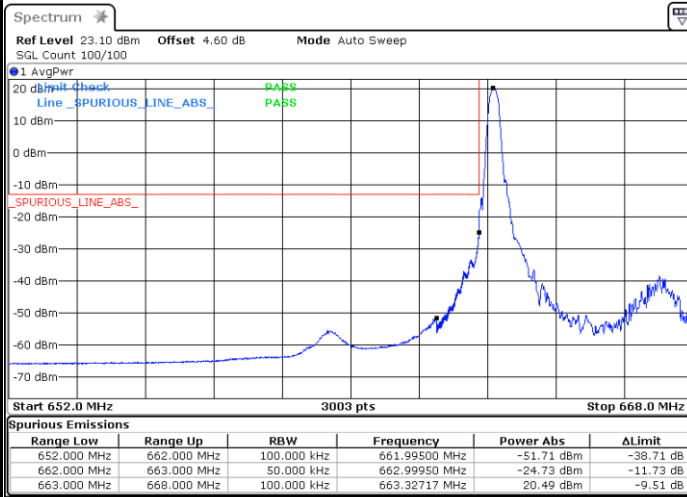
Date: 25 JUN 2020 03:46:52



# Conducted Band Edge

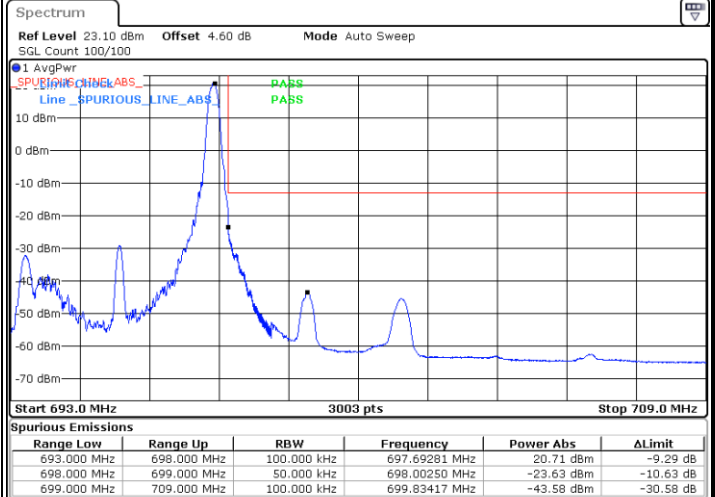
## LTE Band 71 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



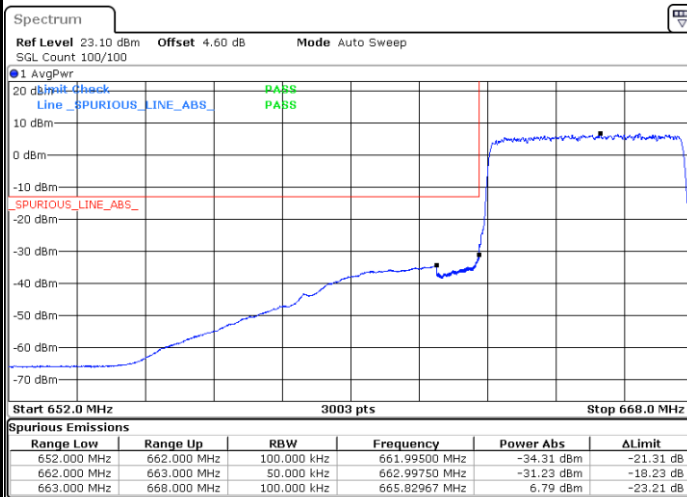
Date: 24 JUN 2020 22:43:29

### Highest Band Edge / 1 RB



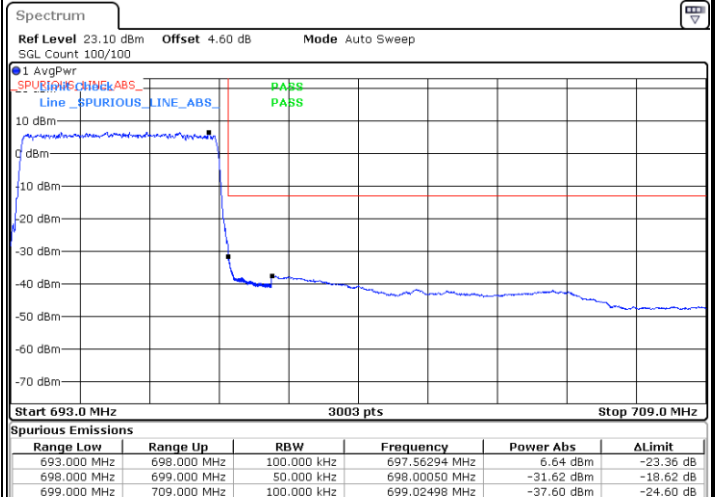
Date: 24 JUN 2020 22:58:45

### Lowest Band Edge / Full RB



Date: 24 JUN 2020 22:52:18

### Highest Band Edge / Full RB

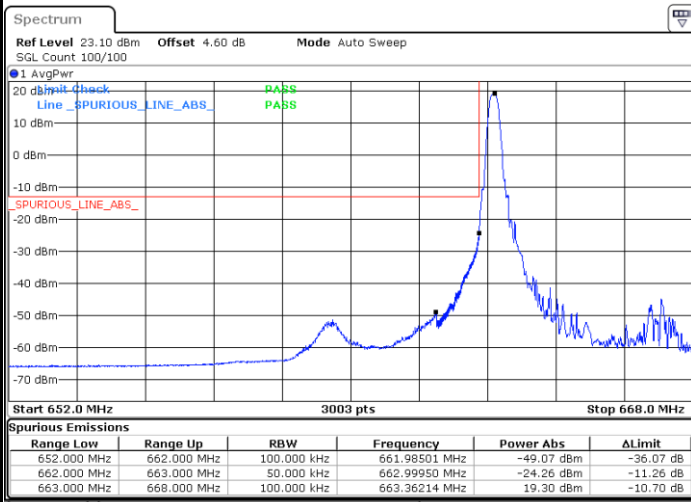


Date: 24 JUN 2020 23:00:09



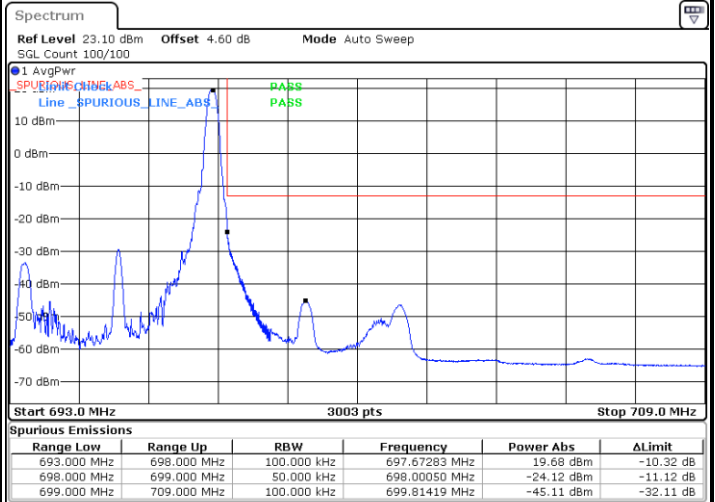
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



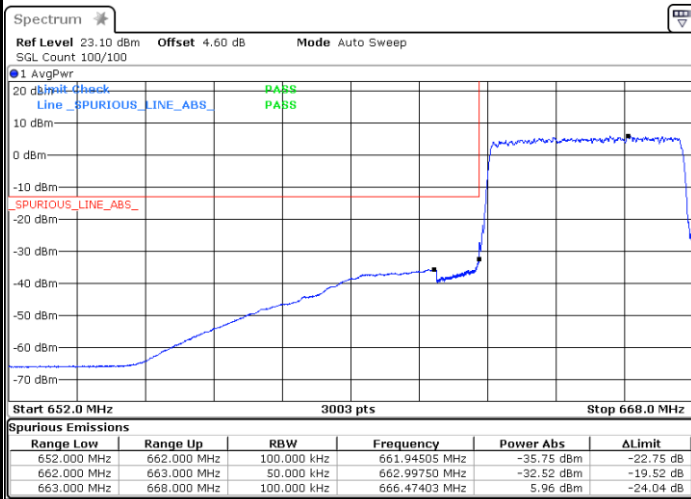
Date: 24 JUN 2020 22:45:17

Highest Band Edge / 1 RB



Date: 24 JUN 2020 22:57:55

Lowest Band Edge / Full RB



Date: 24 JUN 2020 22:51:02

Highest Band Edge / Full RB

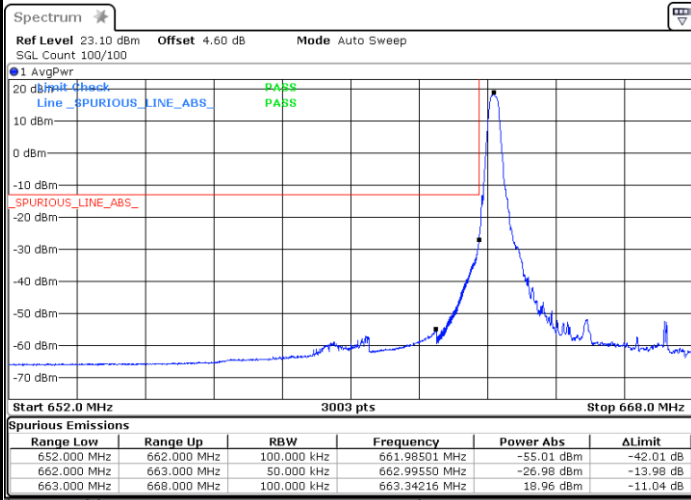


Date: 24 JUN 2020 23:01:36



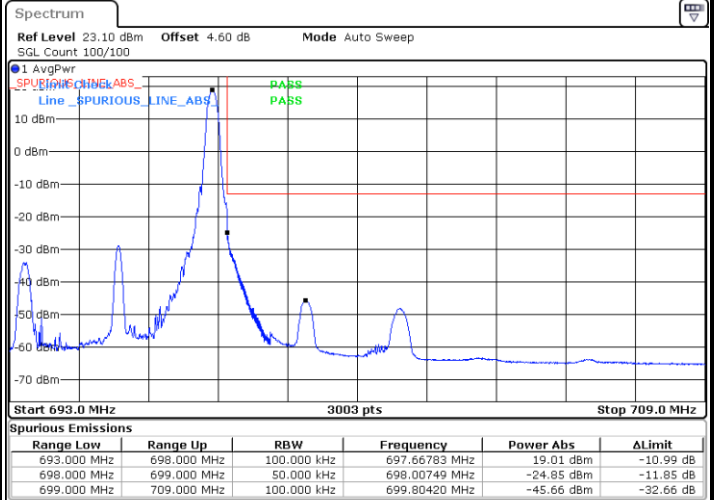
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



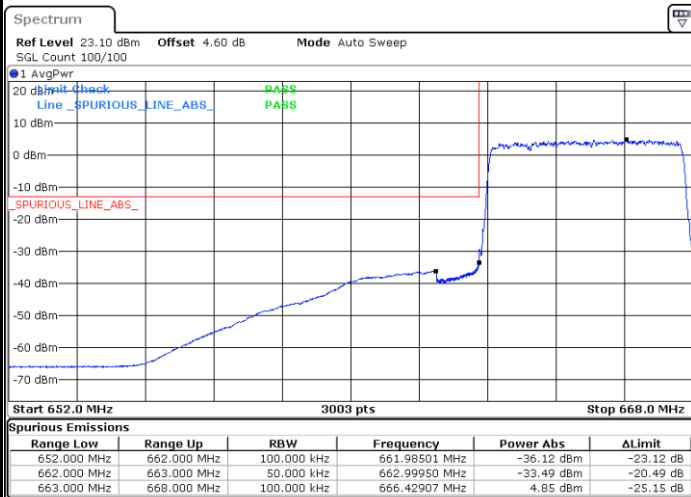
Date: 24 JUN 2020 22:46:45

Highest Band Edge / 1 RB



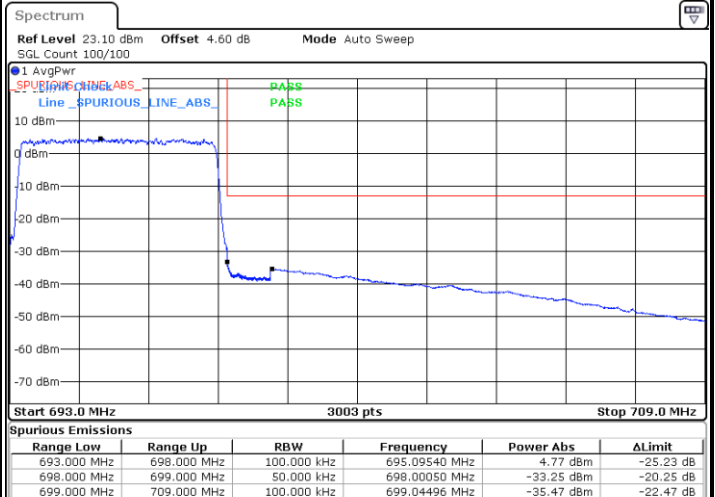
Date: 24 JUN 2020 22:57:03

Lowest Band Edge / Full RB



Date: 24 JUN 2020 22:49:42

Highest Band Edge / Full RB

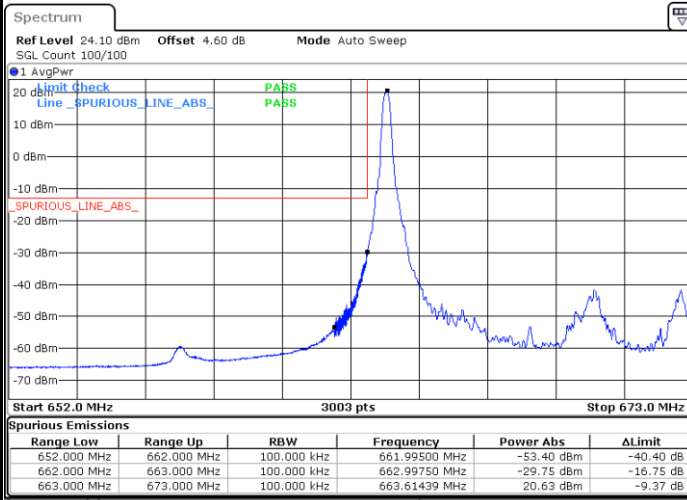


Date: 24 JUN 2020 23:02:50



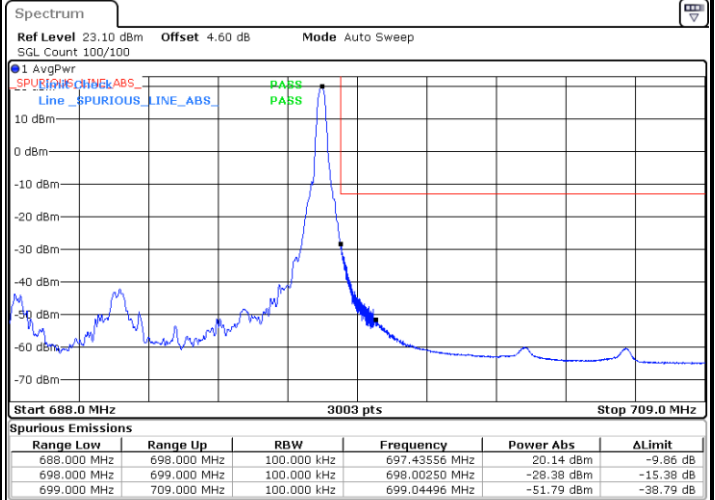
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



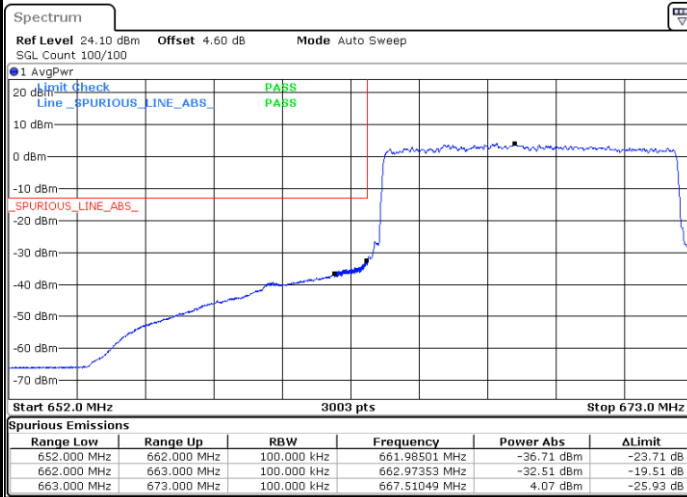
Date: 24 JUN 2020 23:11:19

Highest Band Edge / 1 RB



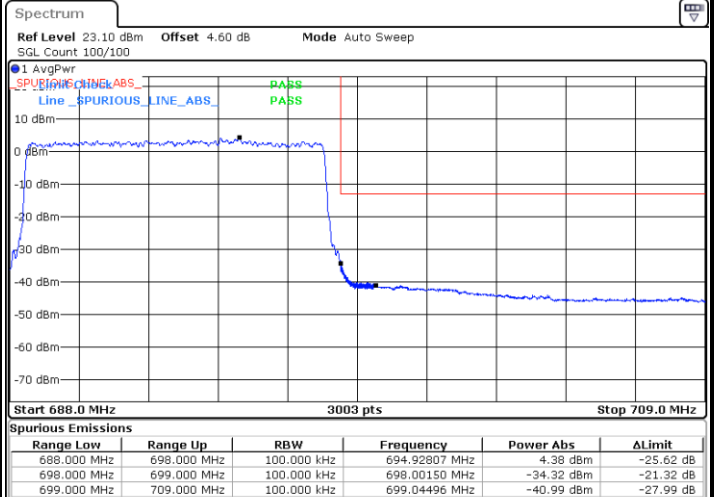
Date: 24 JUN 2020 23:22:40

Lowest Band Edge / Full RB



Date: 24 JUN 2020 23:12:41

Highest Band Edge / Full RB



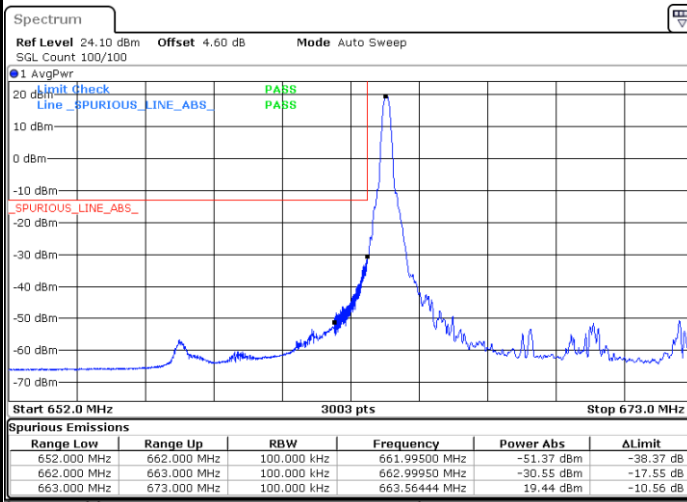
Date: 24 JUN 2020 23:17:44





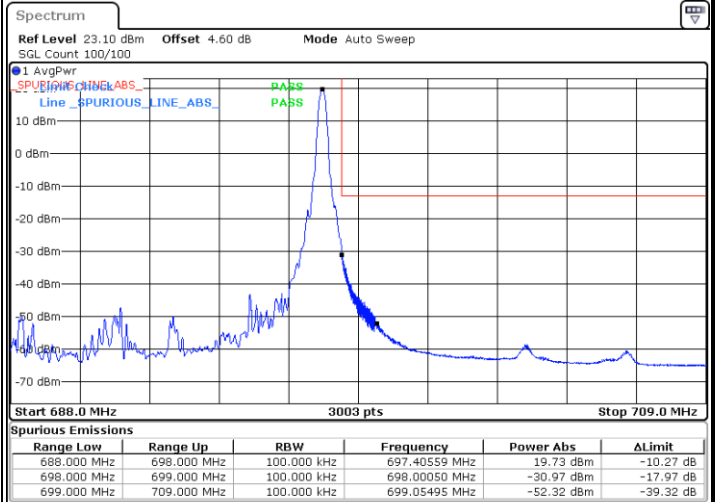
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



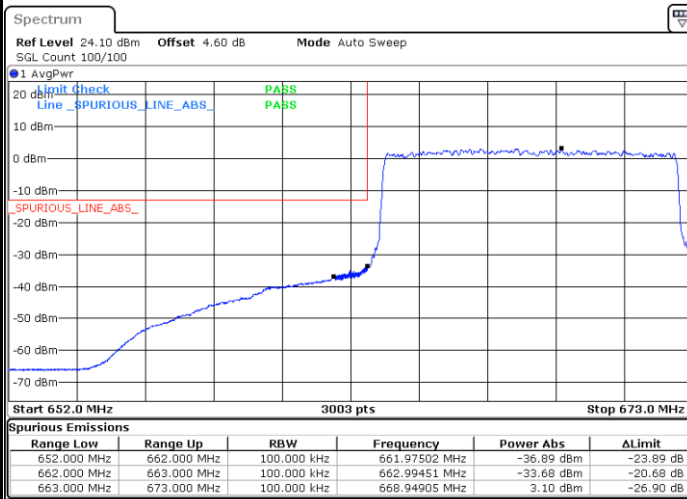
Date: 24 JUN 2020 23:09:55

Highest Band Edge / 1 RB



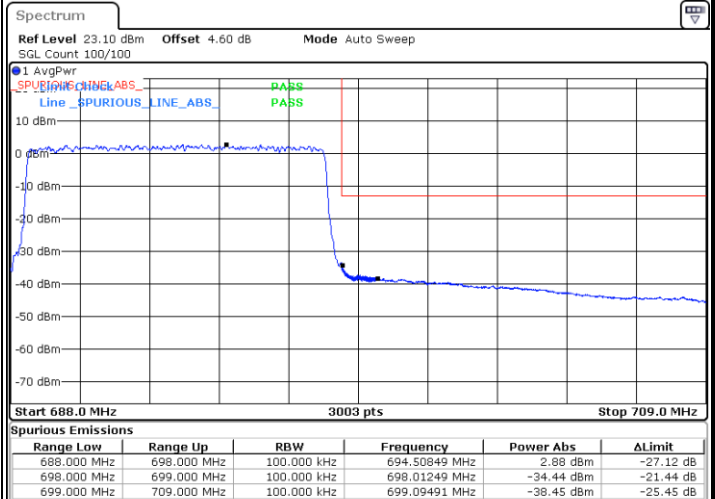
Date: 24 JUN 2020 23:21:57

Lowest Band Edge / Full RB



Date: 24 JUN 2020 23:13:46

Highest Band Edge / Full RB

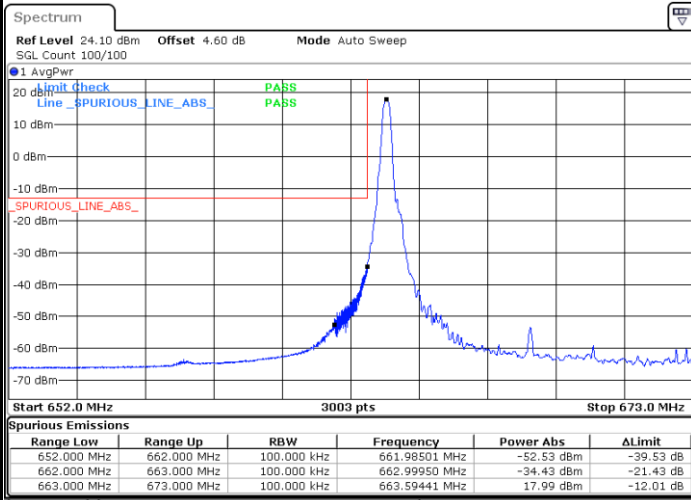


Date: 24 JUN 2020 23:16:38



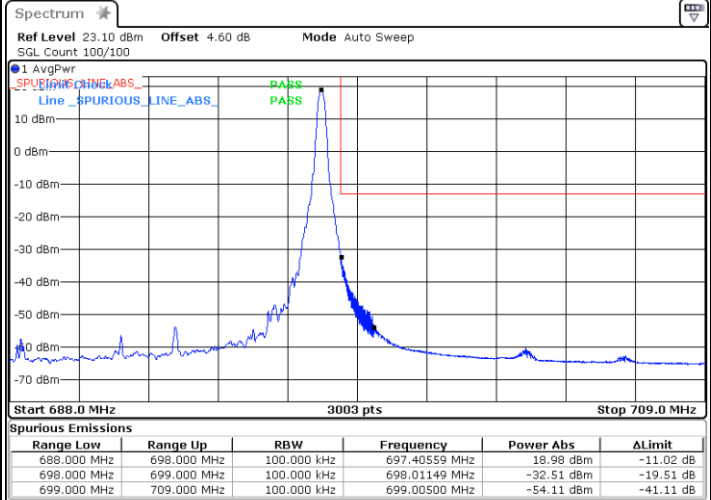
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



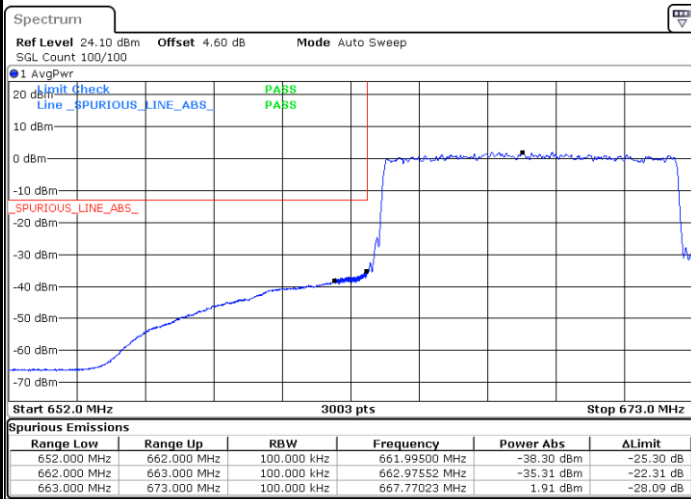
Date: 24 JUN 2020 23:08:26

Highest Band Edge / 1 RB



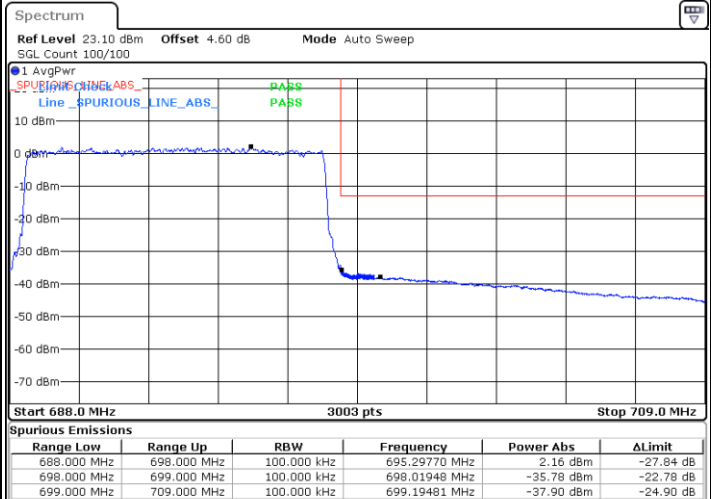
Date: 24 JUN 2020 23:20:49

Lowest Band Edge / Full RB



Date: 24 JUN 2020 23:14:40

Highest Band Edge / Full RB

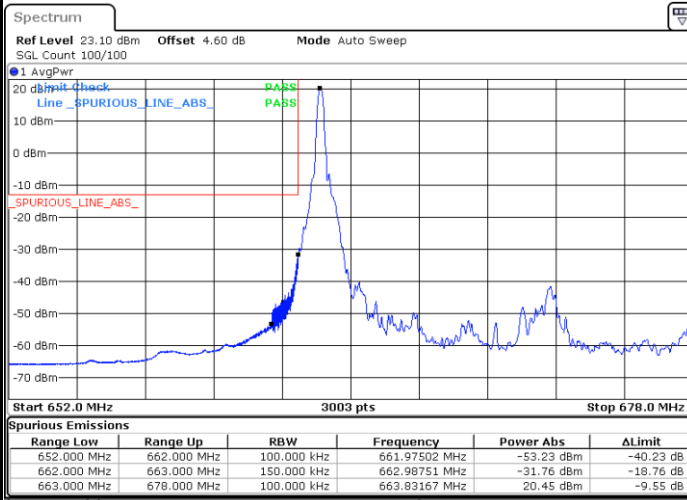


Date: 24 JUN 2020 23:15:41



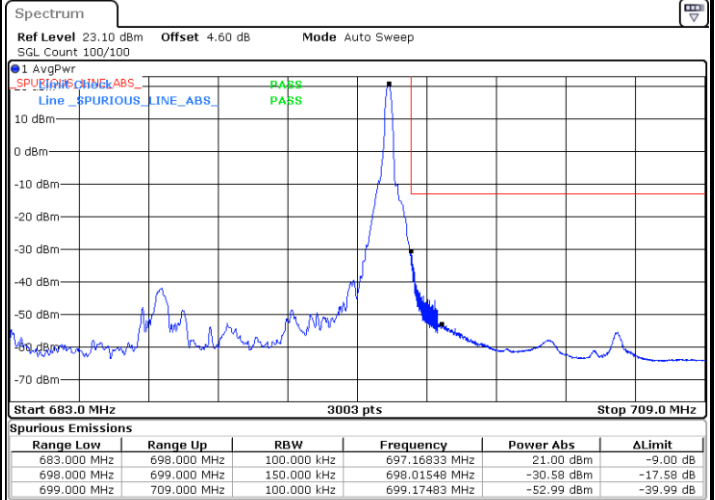
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



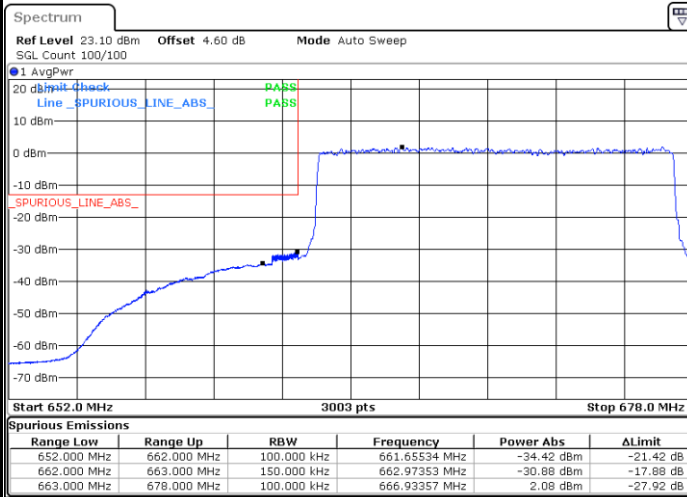
Date: 24 JUN 2020 23:26:52

Highest Band Edge / 1 RB



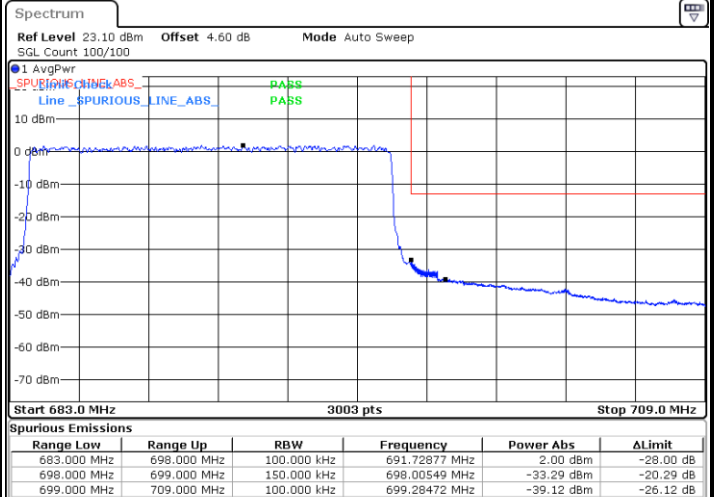
Date: 24 JUN 2020 23:56:41

Lowest Band Edge / Full RB



Date: 24 JUN 2020 23:40:22

Highest Band Edge / Full RB



Date: 24 JUN 2020 23:41:23