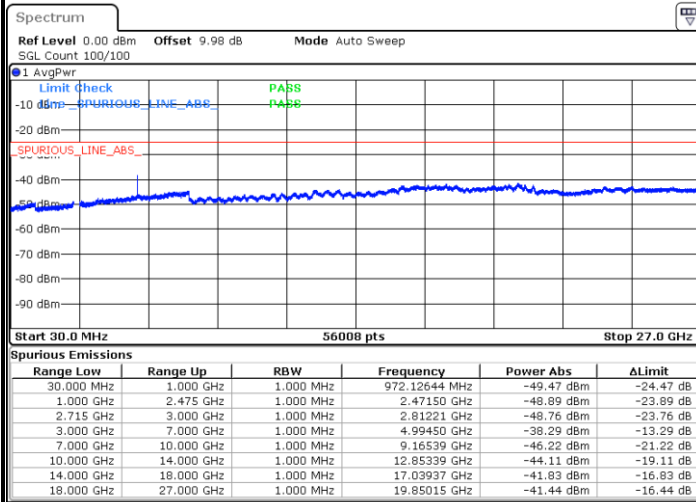




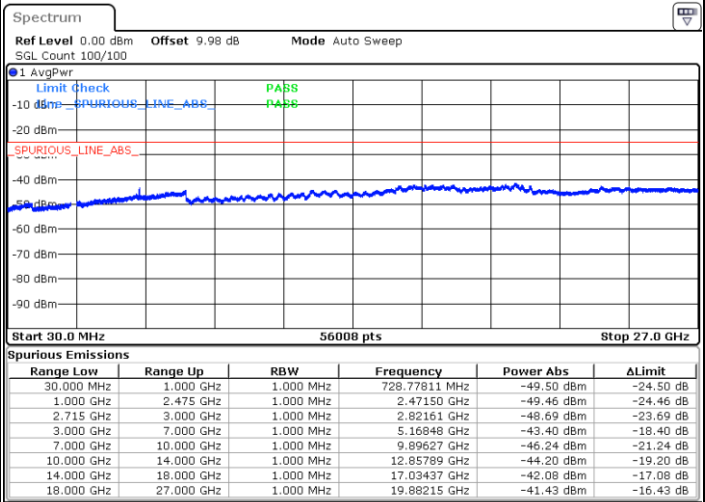
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



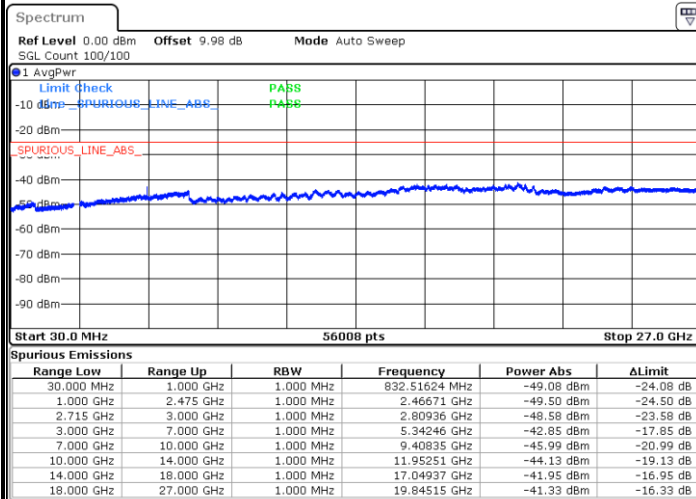
Date: 21 JUN 2020 23:41:05

Middle Channel / 64QAM



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

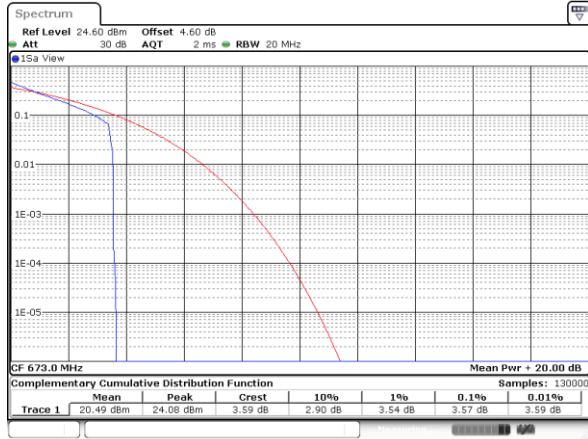
Peak-to-Average Ratio

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	-	-	

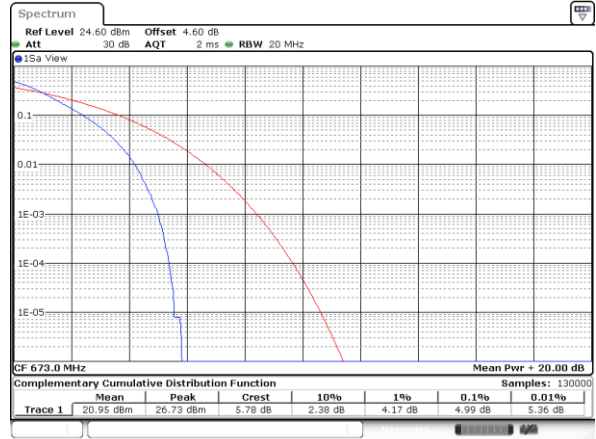


LTE Band 71 / 20MHz / QPSK

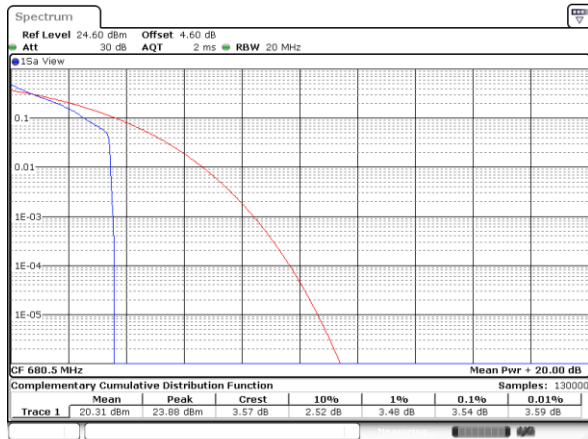
Lowest Channel / 1RB



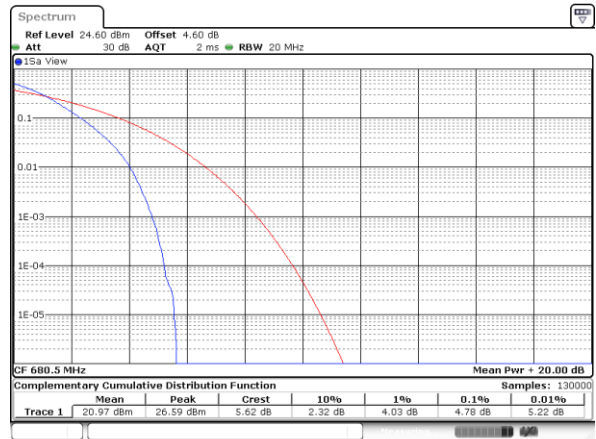
Lowest Channel / Full RB



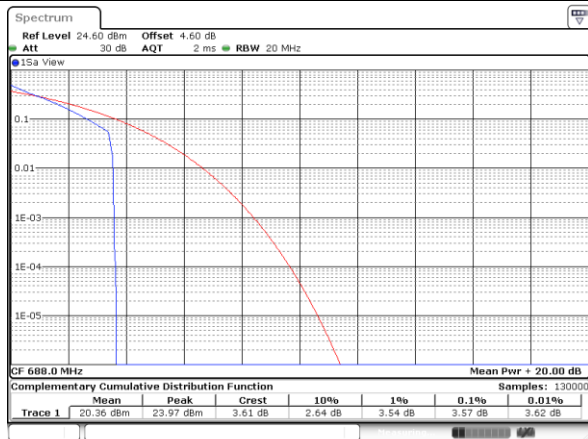
Middle Channel / 1RB



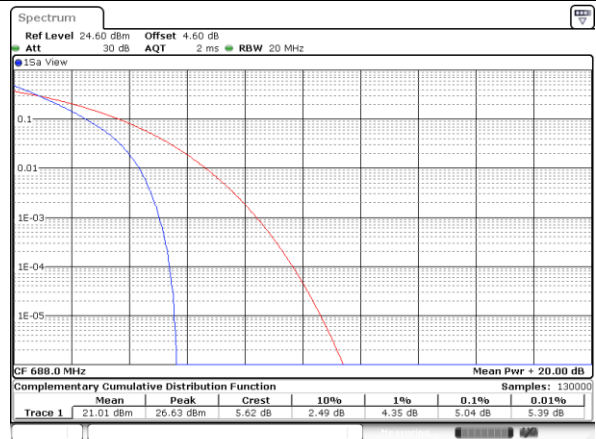
Middle Channel / Full RB

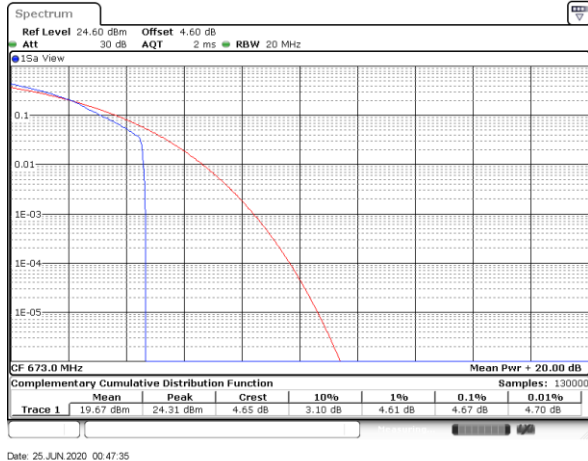
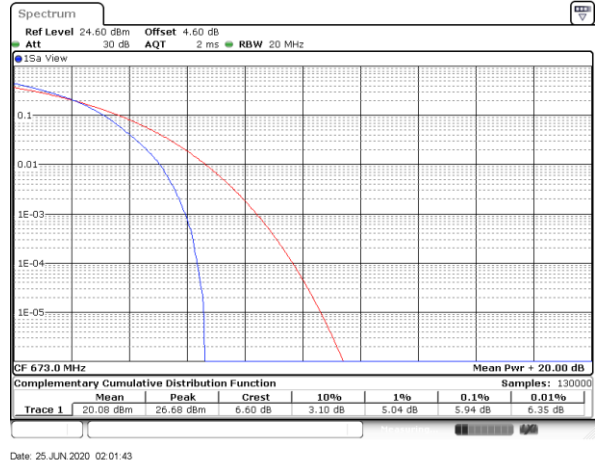
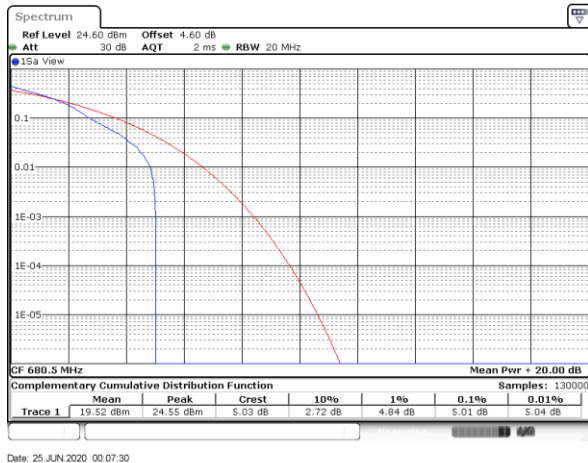
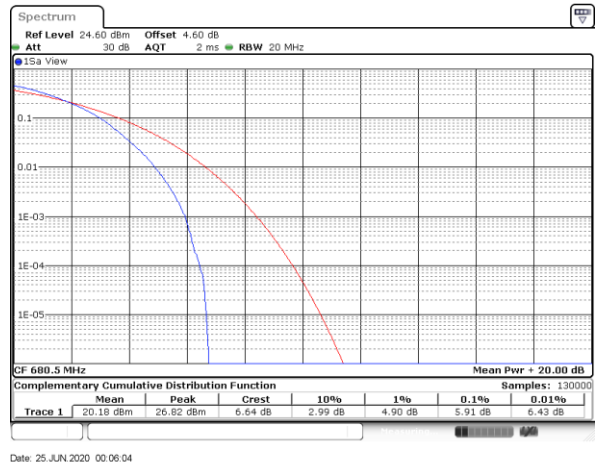
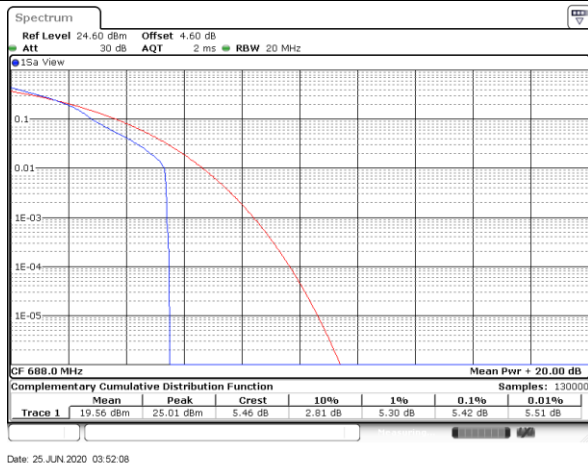
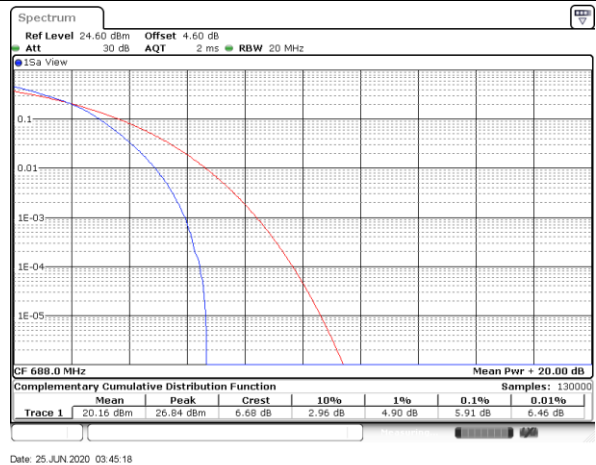


Highest Channel / 1RB



Highest Channel / Full RB

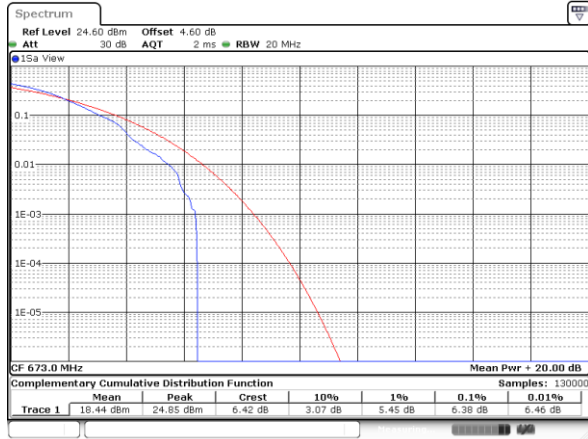


LTE Band 71 / 20MHz / 16QAM
Lowest Channel / 1RB

Lowest Channel / Full RB

Middle Channel / 1RB

Middle Channel / Full RB

Highest Channel / 1RB

Highest Channel / Full RB


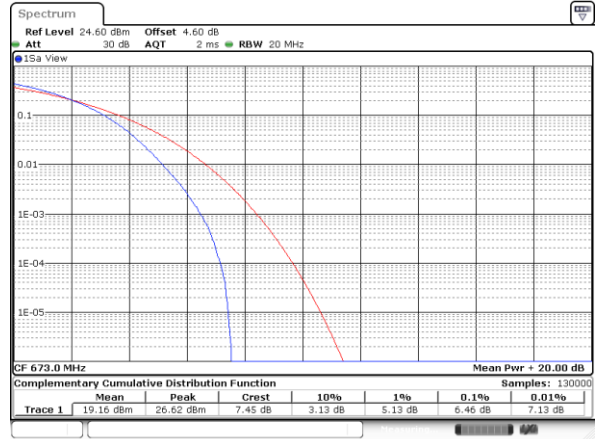


LTE Band 71 / 20MHz / 64QAM

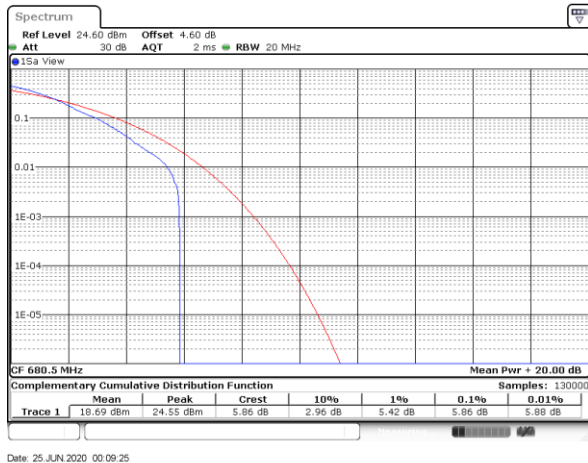
Lowest Channel / 1RB



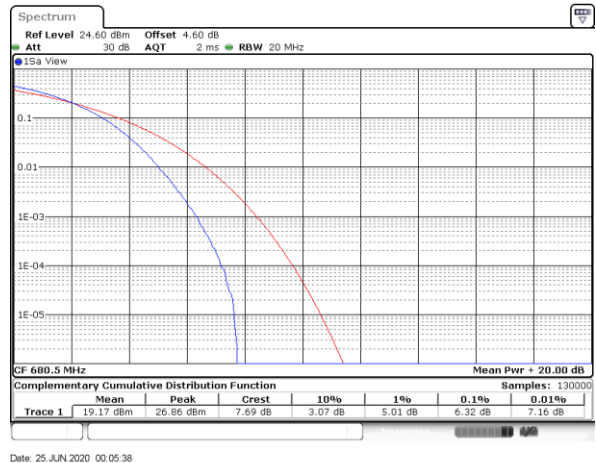
Lowest Channel / Full RB



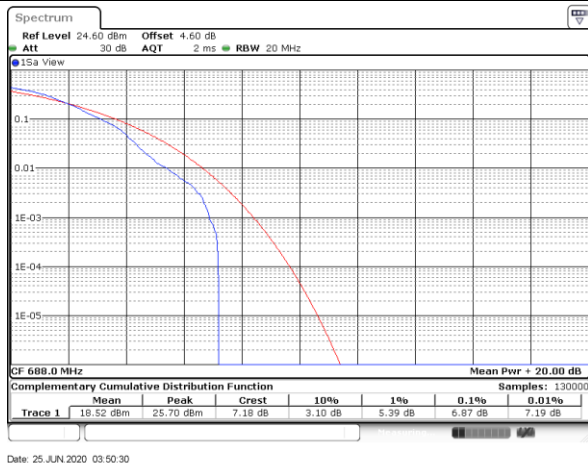
Middle Channel / 1RB



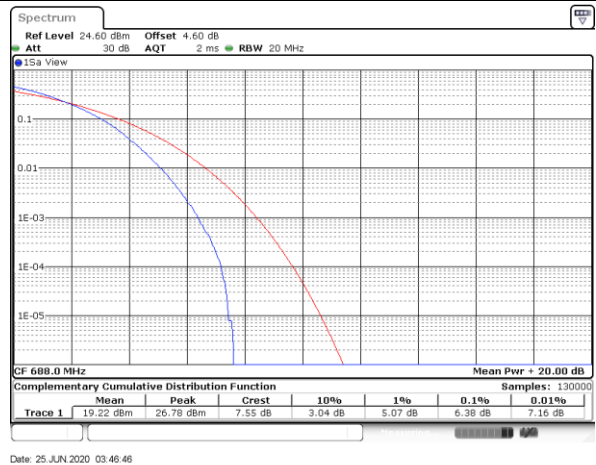
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



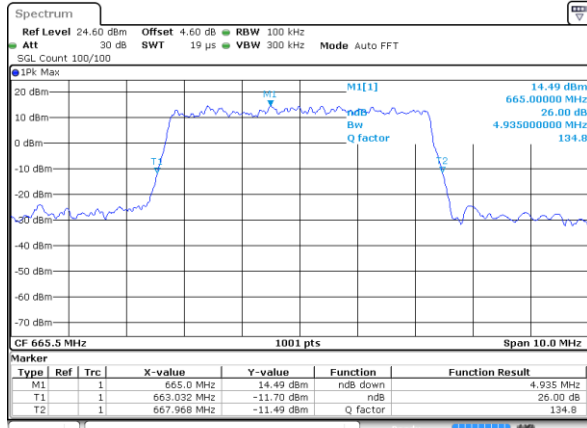
**26dB Bandwidth**

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	-



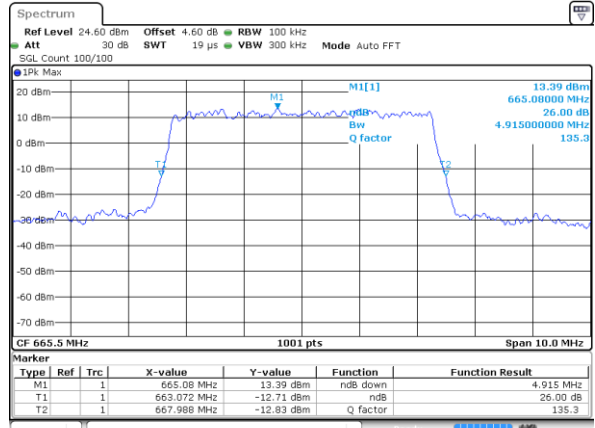
LTE Band 71

Lowest Channel / 5MHz / QPSK



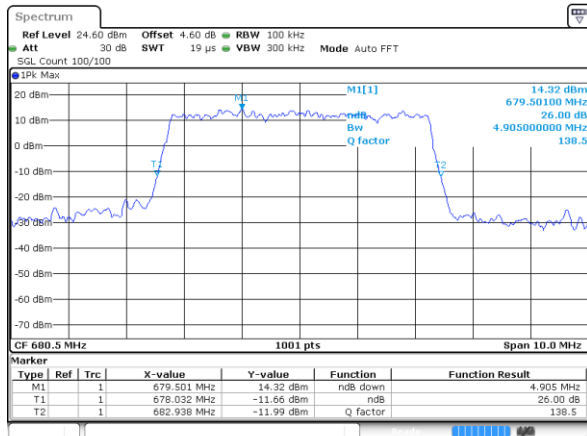
Date: 24 JUN 2020 22:51:36

Lowest Channel / 5MHz / 16QAM



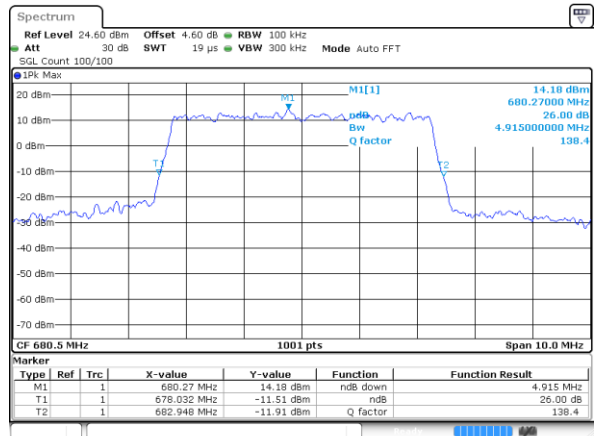
Date: 24 JUN 2020 22:51:09

Middle Channel / 5MHz / QPSK



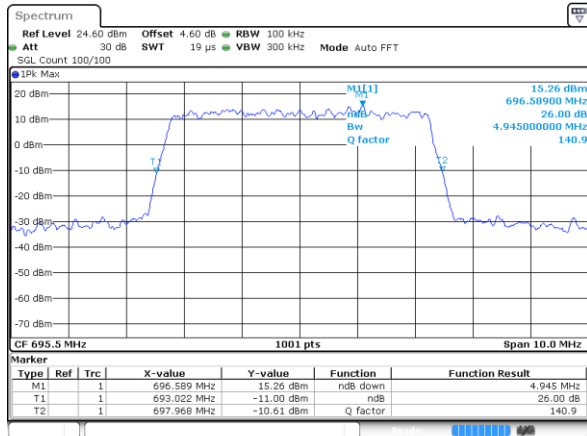
Date: 24 JUN 2020 22:52:46

Middle Channel / 5MHz / 16QAM



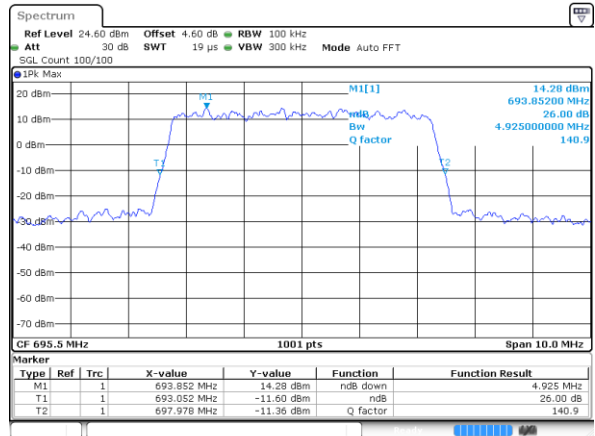
Date: 24 JUN 2020 22:53:04

Highest Channel / 5MHz / QPSK



Date: 24 JUN 2020 22:59:07

Highest Channel / 5MHz / 16QAM

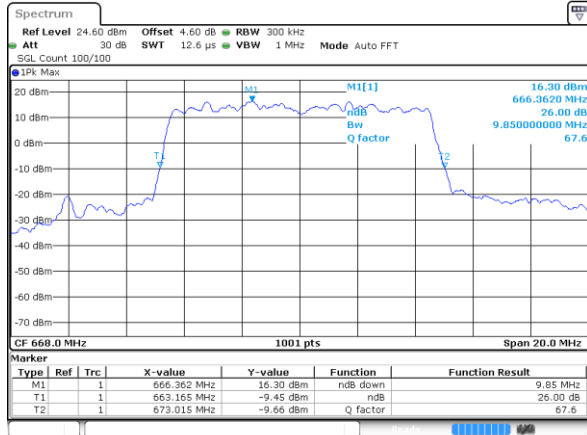


Date: 24 JUN 2020 23:00:53



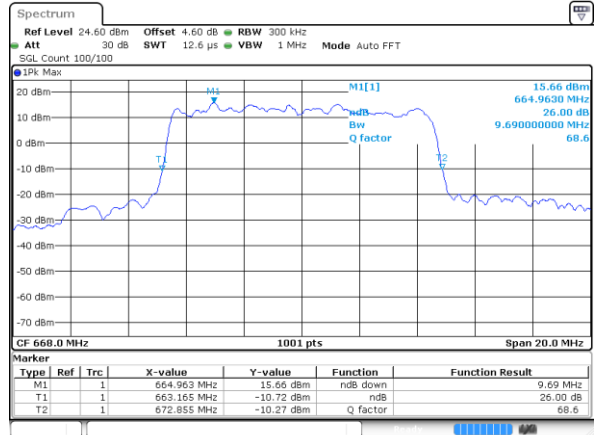
LTE Band 71

Lowest Channel / 10MHz / QPSK



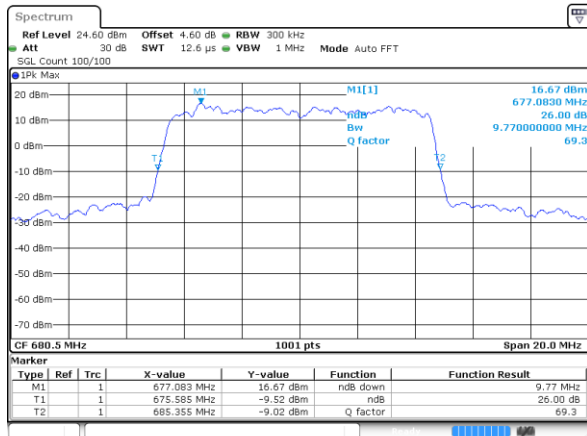
Date: 24 JUN 2020 23:11:40

Lowest Channel / 10MHz / 16QAM



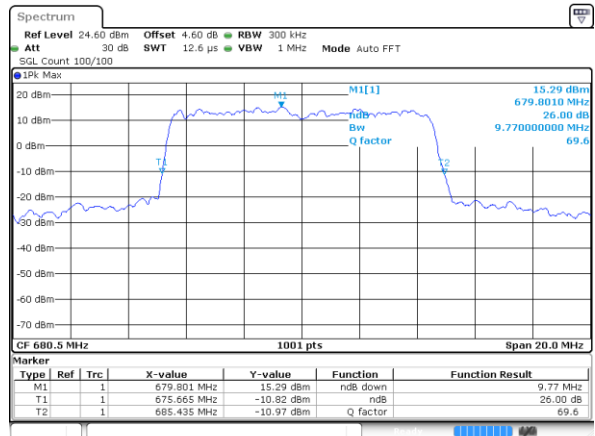
Date: 24 JUN 2020 23:13:14

Middle Channel / 10MHz / QPSK



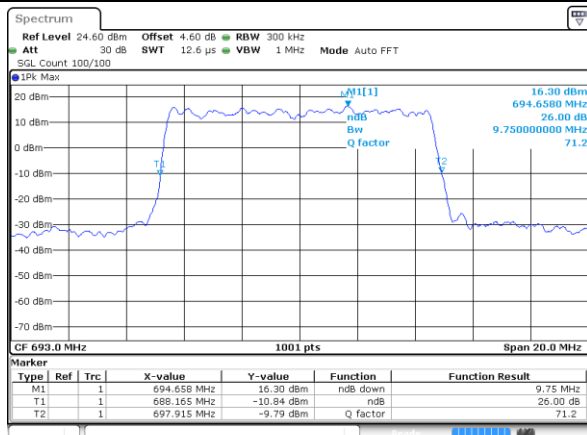
Date: 24 JUN 2020 23:04:18

Middle Channel / 10MHz / 16QAM



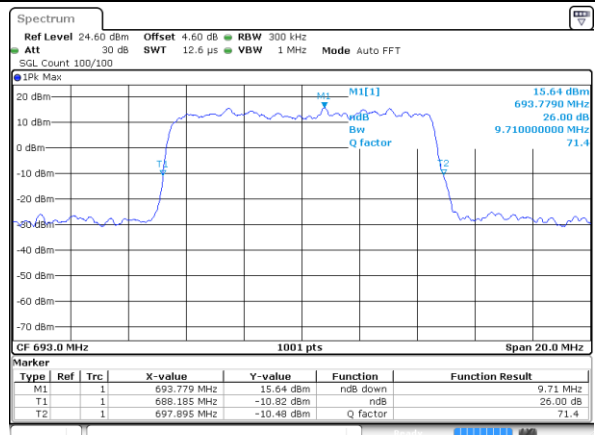
Date: 24 JUN 2020 23:04:00

Highest Channel / 10MHz / QPSK



Date: 24 JUN 2020 23:17:11

Highest Channel / 10MHz / 16QAM

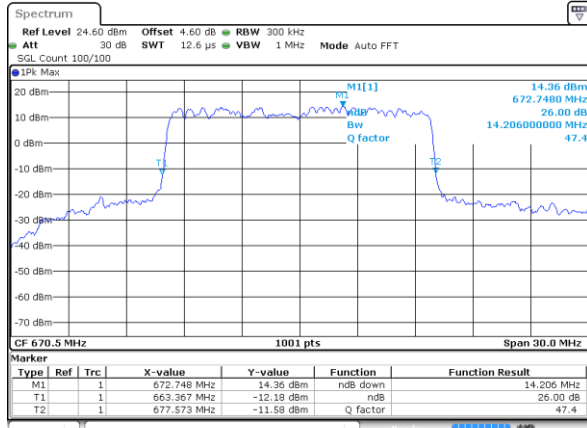


Date: 24 JUN 2020 23:16:05

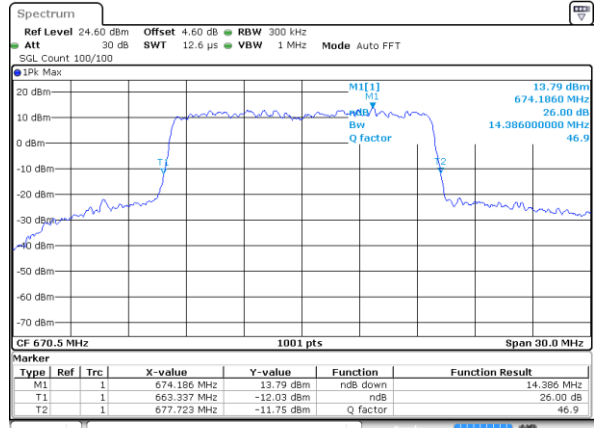


LTE Band 71

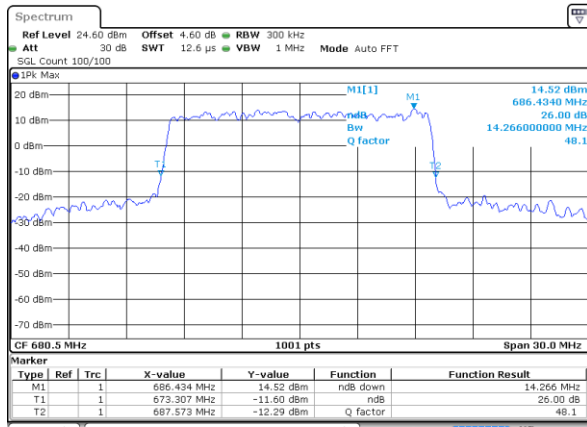
Lowest Channel / 15MHz / QPSK



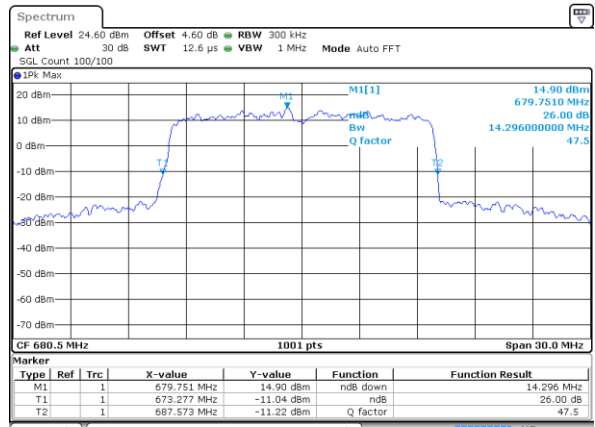
Lowest Channel / 15MHz / 16QAM



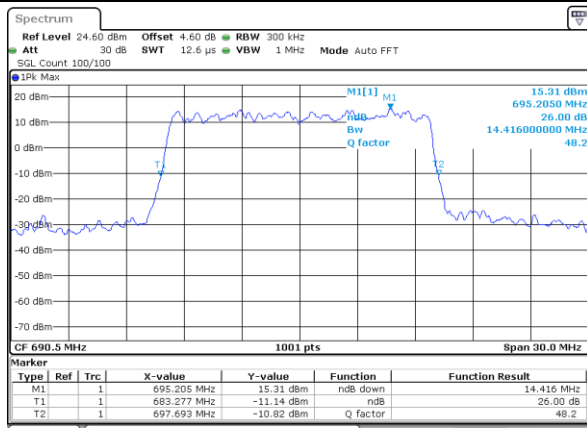
Middle Channel / 15MHz / QPSK



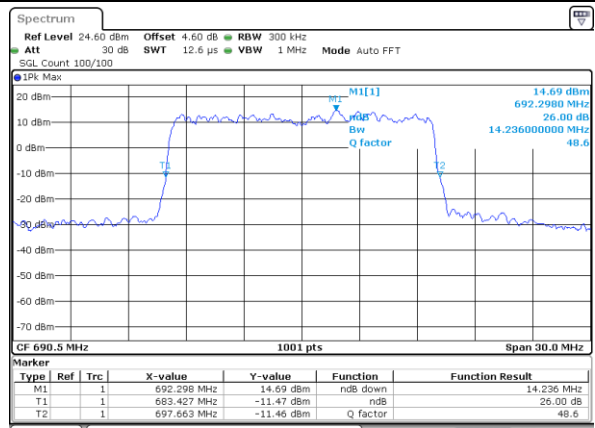
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



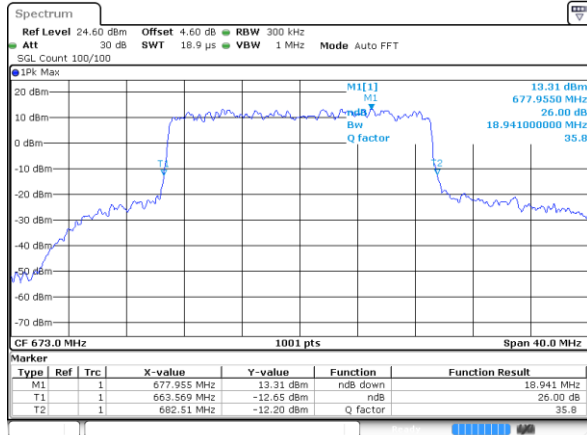
Highest Channel / 15MHz / 16QAM





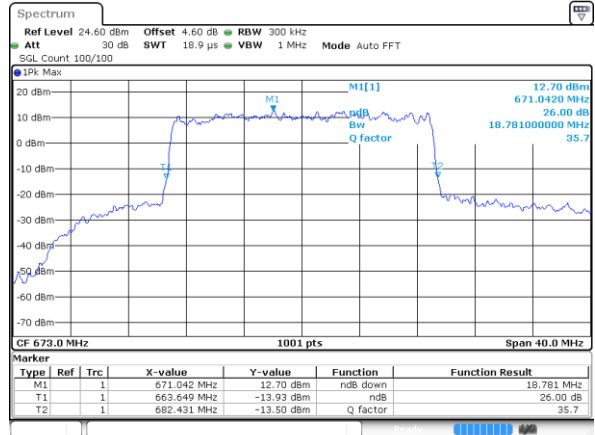
LTE Band 71

Lowest Channel / 20MHz / QPSK



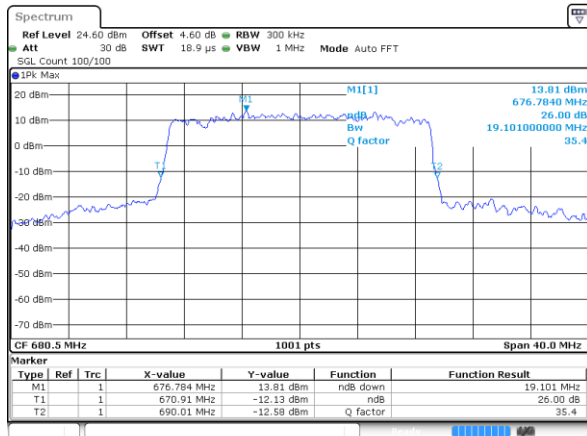
Date: 25 JUN 2020 02:04:23

Lowest Channel / 20MHz / 16QAM



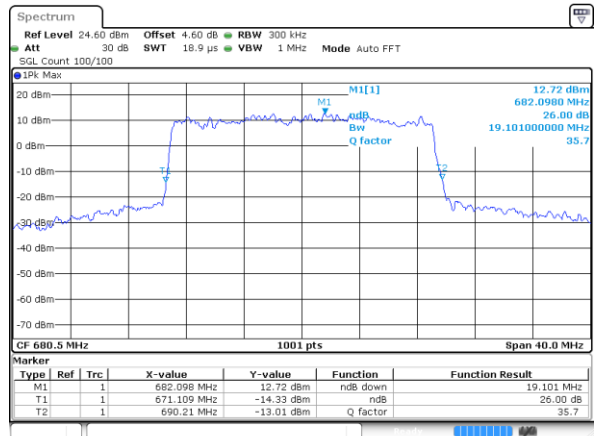
Date: 25 JUN 2020 02:01:58

Middle Channel / 20MHz / QPSK



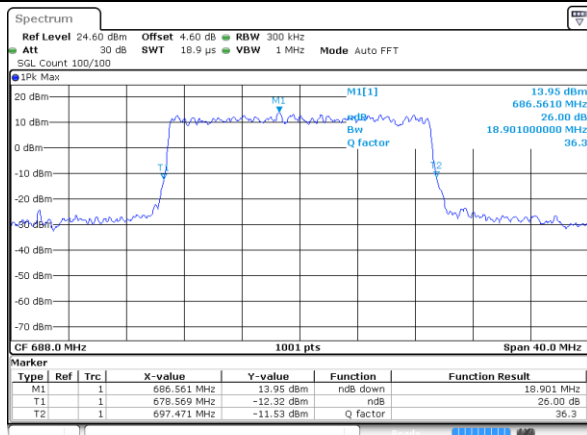
Date: 25 JUN 2020 00:06:42

Middle Channel / 20MHz / 16QAM



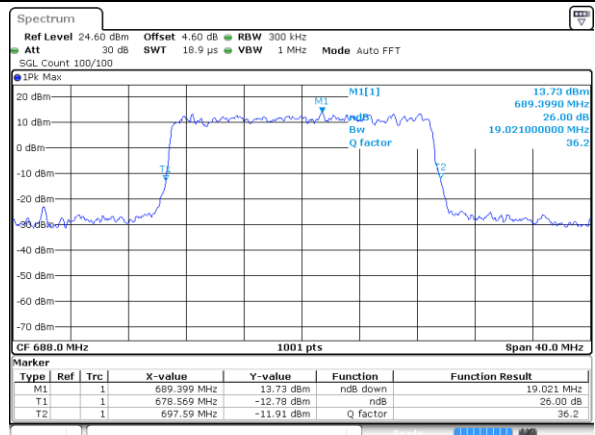
Date: 25 JUN 2020 00:06:15

Highest Channel / 20MHz / QPSK



Date: 25 JUN 2020 03:46:03

Highest Channel / 20MHz / 16QAM

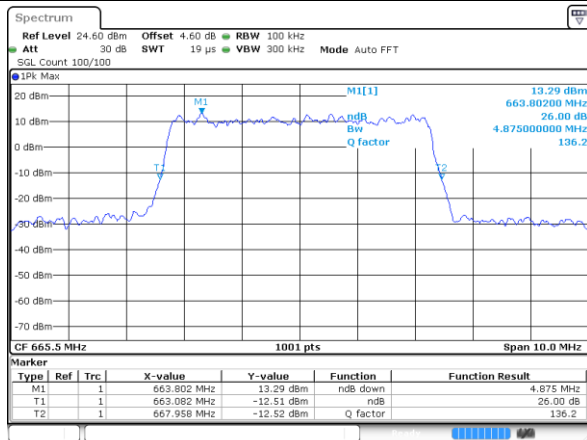


Date: 25 JUN 2020 03:46:29

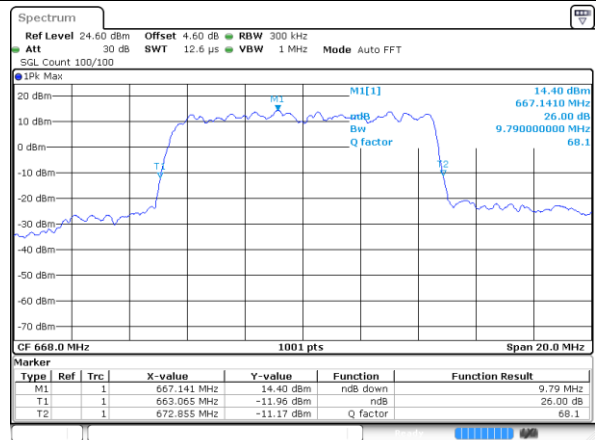


LTE Band 71

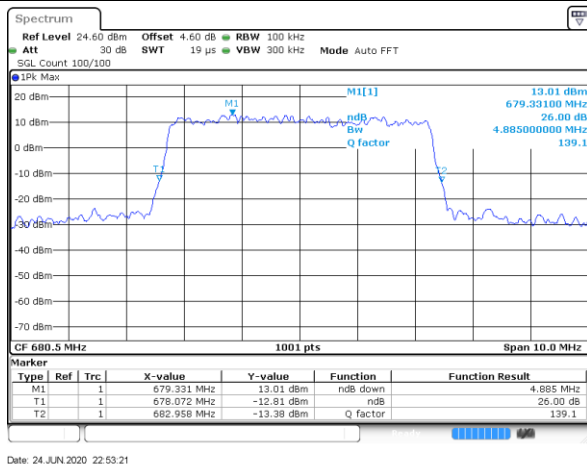
Lowest Channel / 5MHz / 64QAM



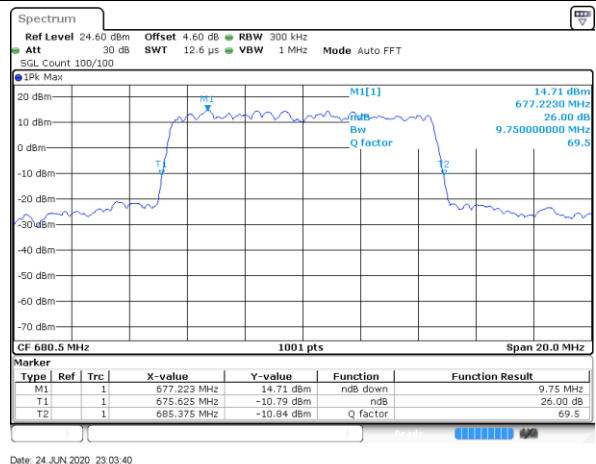
Lowest Channel / 10MHz / 64QAM



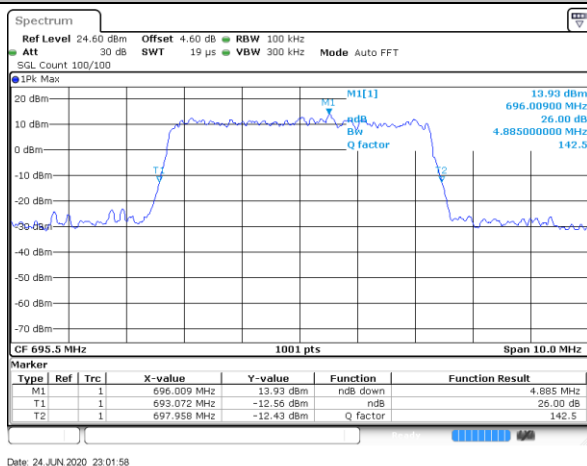
Middle Channel / 5MHz / 64QAM



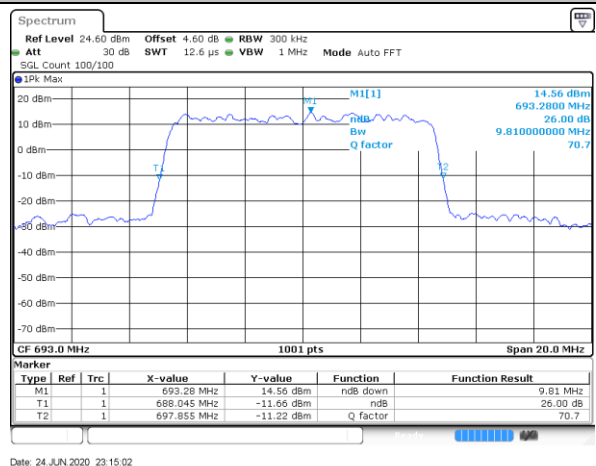
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



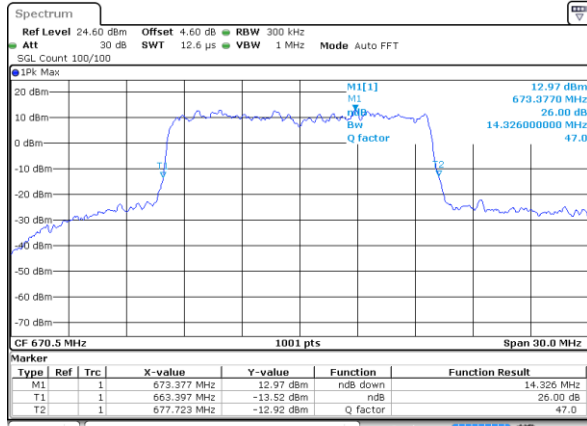
Highest Channel / 10MHz / 64QAM





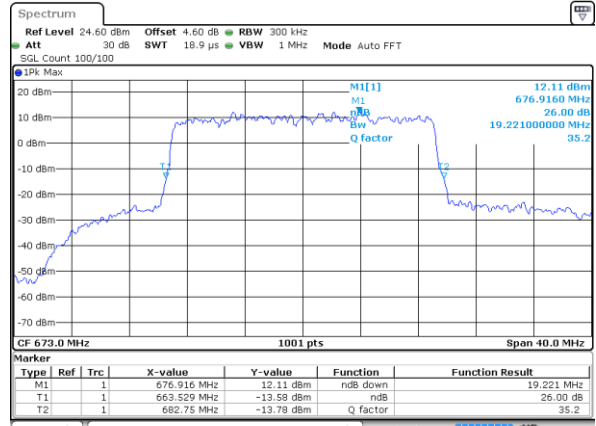
LTE Band 71

Lowest Channel / 15MHz / 64QAM



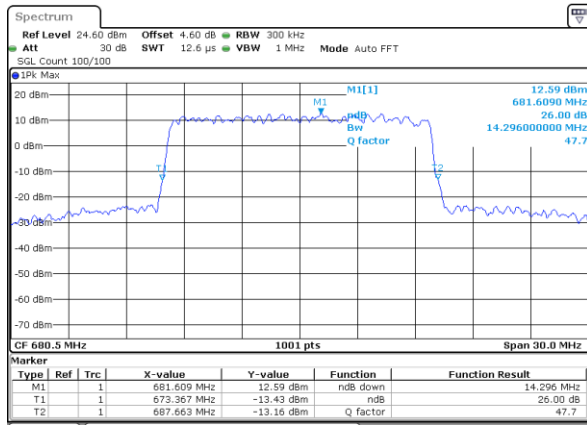
Date: 24 JUN 2020 23:32:44

Lowest Channel / 20MHz / 64QAM



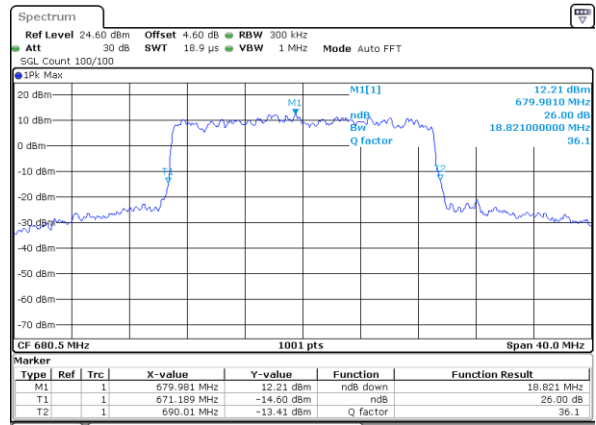
Date: 25 JUN 2020 02:03:11

Middle Channel / 15MHz / 64QAM



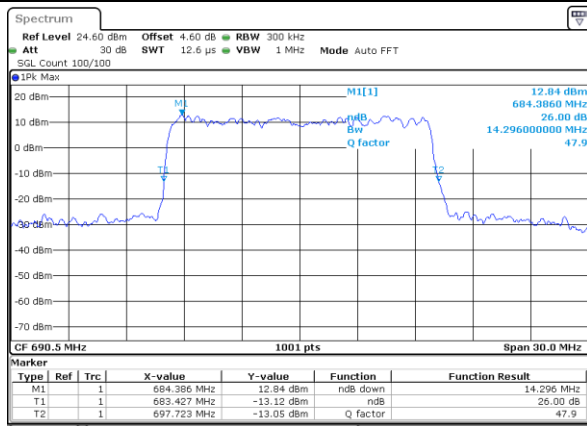
Date: 24 JUN 2020 23:24:08

Middle Channel / 20MHz / 64QAM



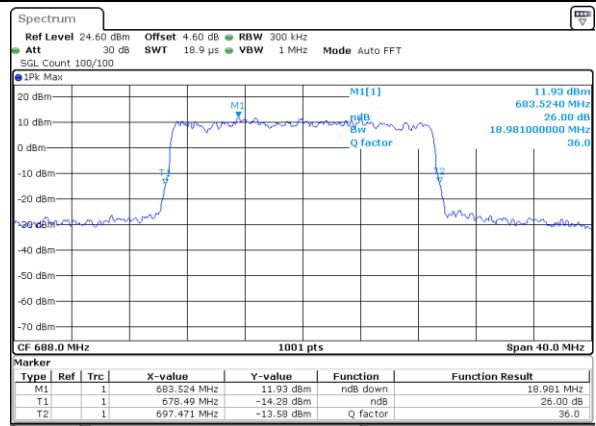
Date: 25 JUN 2020 00:05:50

Highest Channel / 15MHz / 64QAM



Date: 24 JUN 2020 23:43:14

Highest Channel / 20MHz / 64QAM



Date: 25 JUN 2020 03:47:02

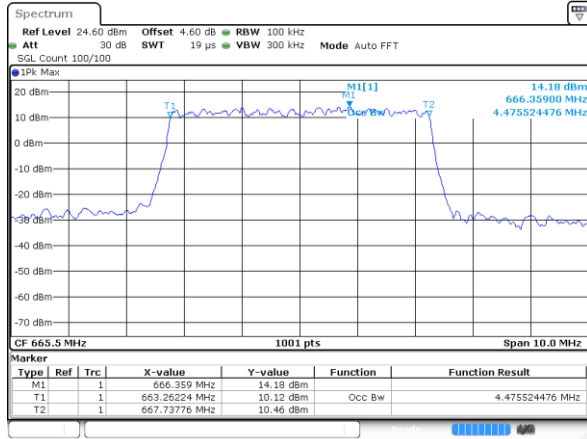
**Occupied Bandwidth**

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	-



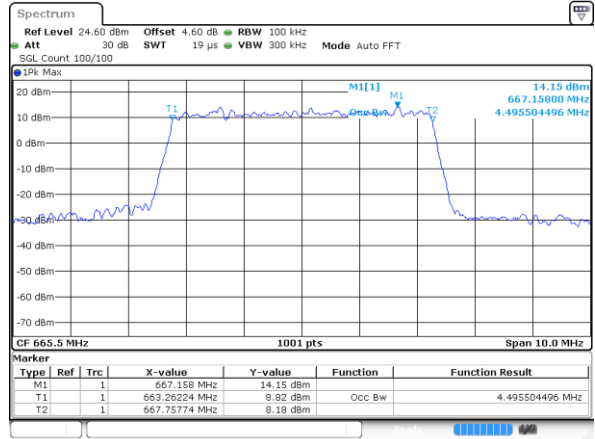
LTE Band 71

Lowest Channel / 5MHz / QPSK



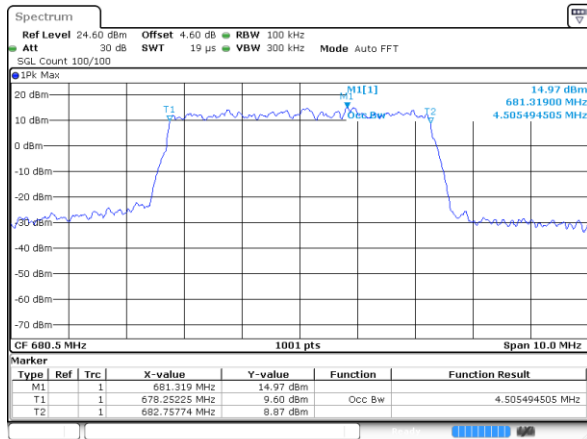
Date: 24 JUN 2020 22:51:27

Lowest Channel / 5MHz / 16QAM



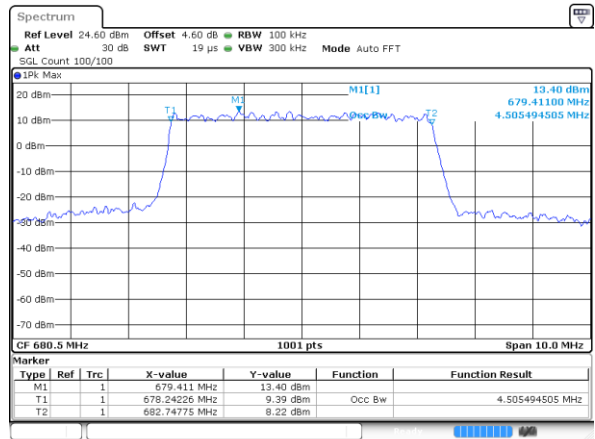
Date: 24 JUN 2020 22:51:15

Middle Channel / 5MHz / QPSK



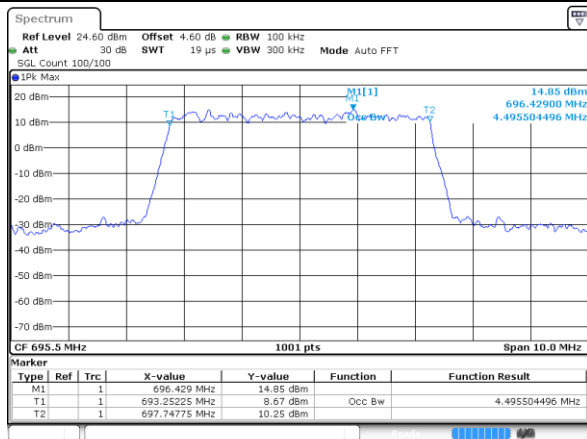
Date: 24 JUN 2020 22:52:41

Middle Channel / 5MHz / 16QAM



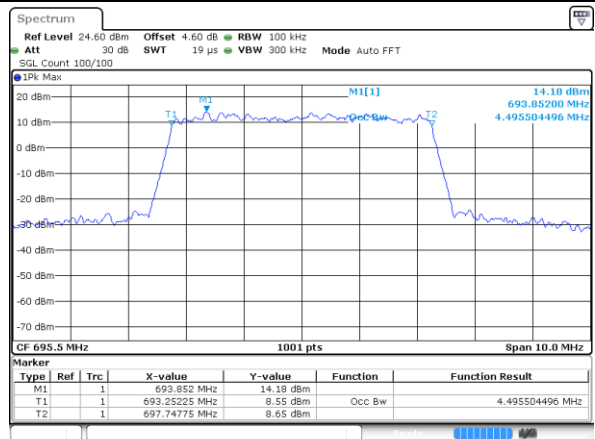
Date: 24 JUN 2020 22:52:58

Highest Channel / 5MHz / QPSK



Date: 24 JUN 2020 22:58:59

Highest Channel / 5MHz / 16QAM

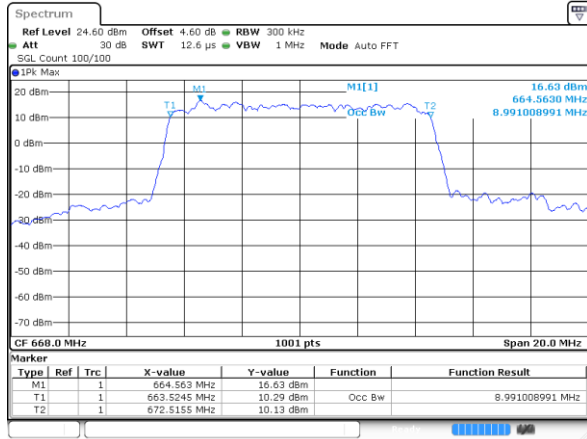


Date: 24 JUN 2020 23:00:39



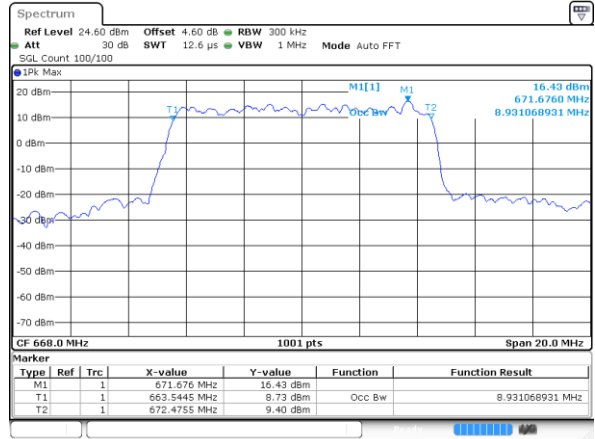
LTE Band 71

Lowest Channel / 10MHz / QPSK



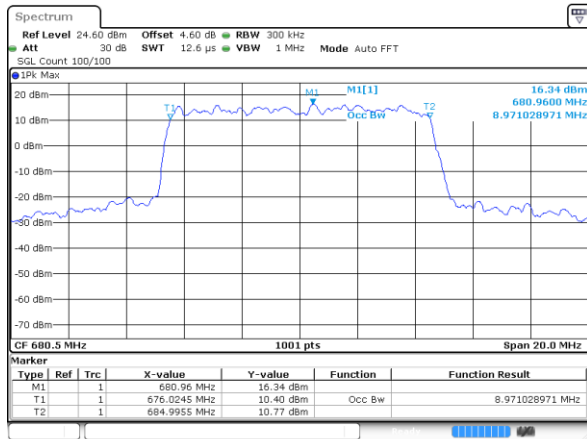
Date: 24 JUN 2020 23:11:34

Lowest Channel / 10MHz / 16QAM



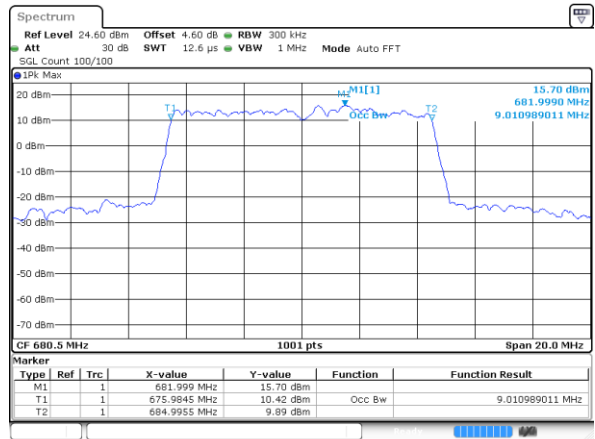
Date: 24 JUN 2020 23:12:59

Middle Channel / 10MHz / QPSK



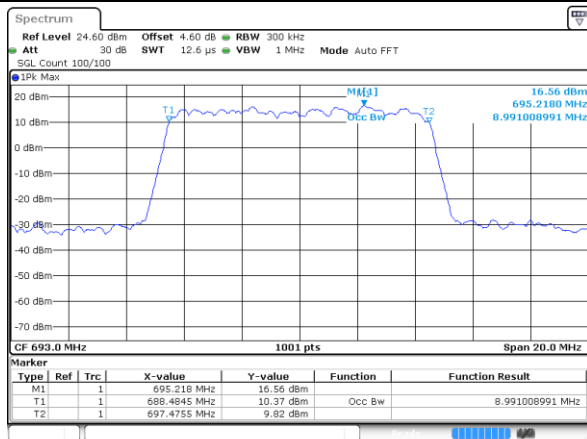
Date: 24 JUN 2020 23:04:10

Middle Channel / 10MHz / 16QAM



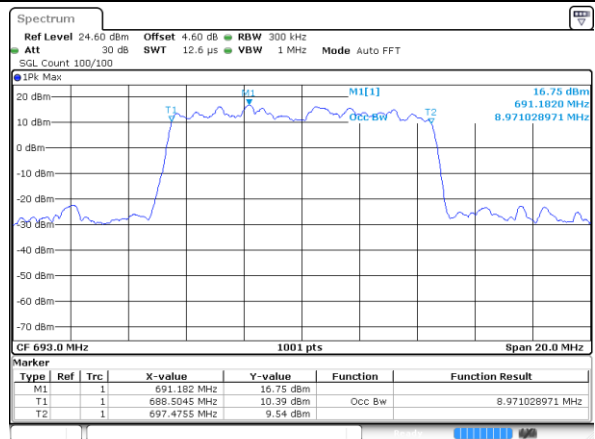
Date: 24 JUN 2020 23:03:53

Highest Channel / 10MHz / QPSK



Date: 24 JUN 2020 23:17:05

Highest Channel / 10MHz / 16QAM

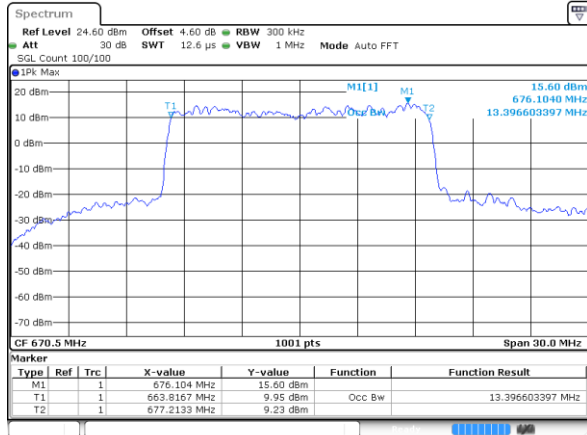


Date: 24 JUN 2020 23:15:59

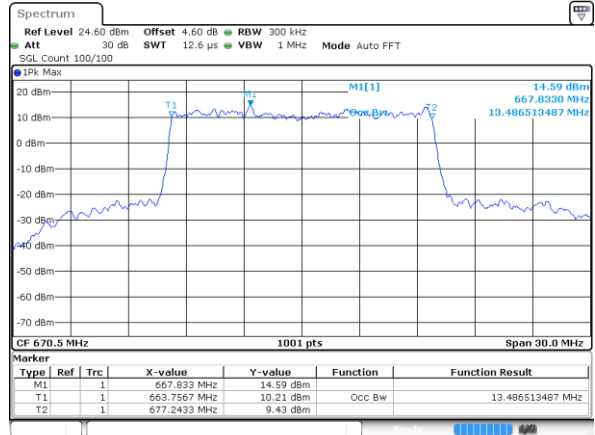


LTE Band 71

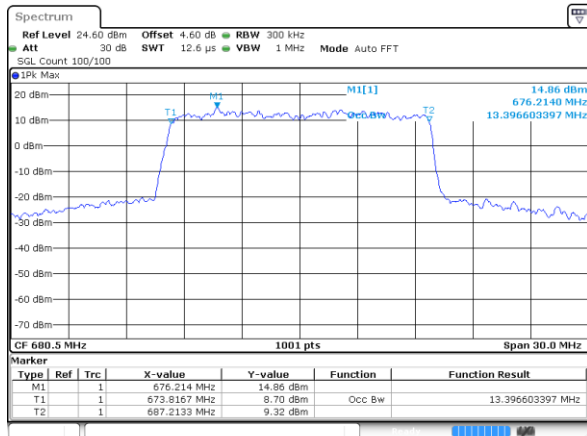
Lowest Channel / 15MHz / QPSK



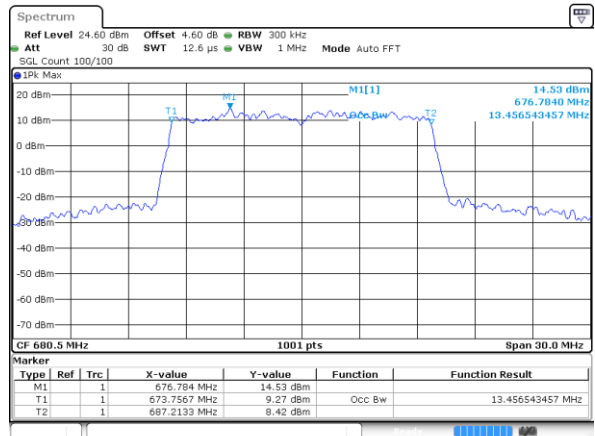
Lowest Channel / 15MHz / 16QAM



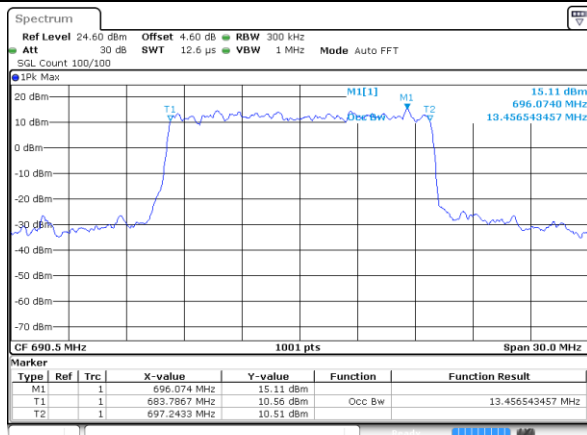
Middle Channel / 15MHz / QPSK



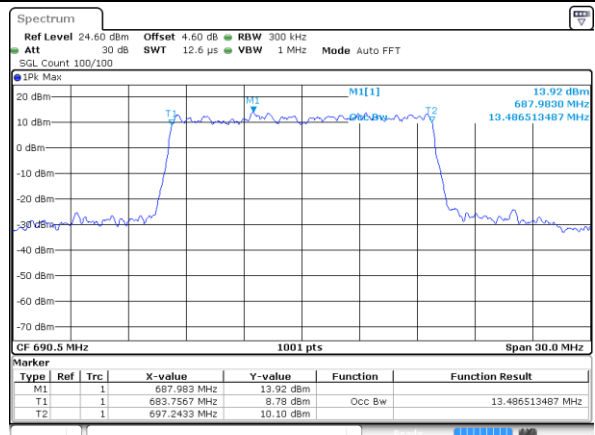
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



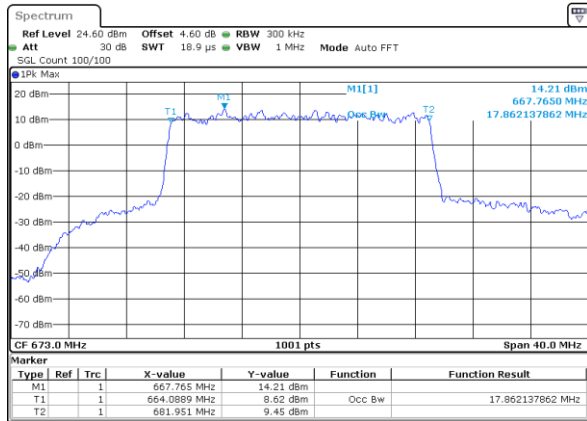
Highest Channel / 15MHz / 16QAM





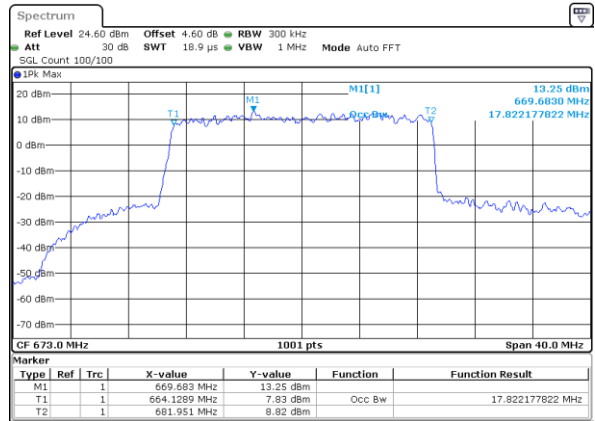
LTE Band 71

Lowest Channel / 20MHz / QPSK



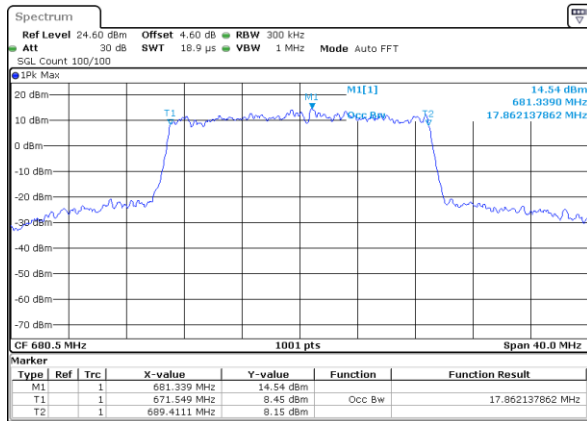
Date: 25 JUN 2020 02:04:16

Lowest Channel / 20MHz / 16QAM



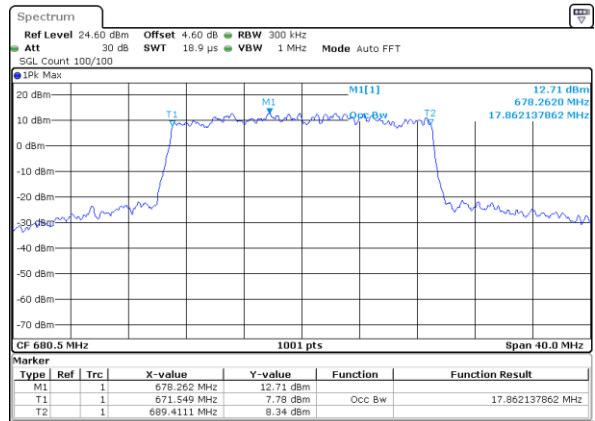
Date: 25 JUN 2020 02:01:51

Middle Channel / 20MHz / QPSK



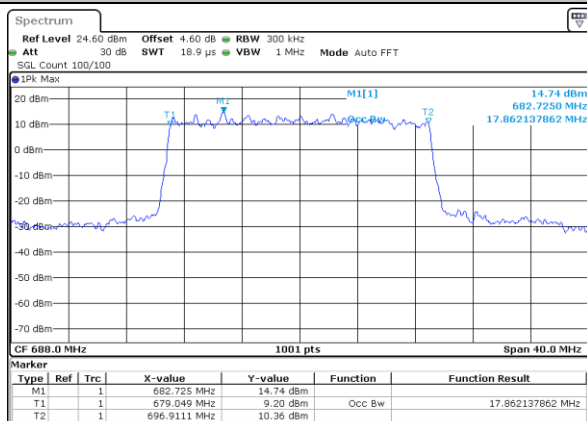
Date: 25 JUN 2020 00:06:36

Middle Channel / 20MHz / 16QAM



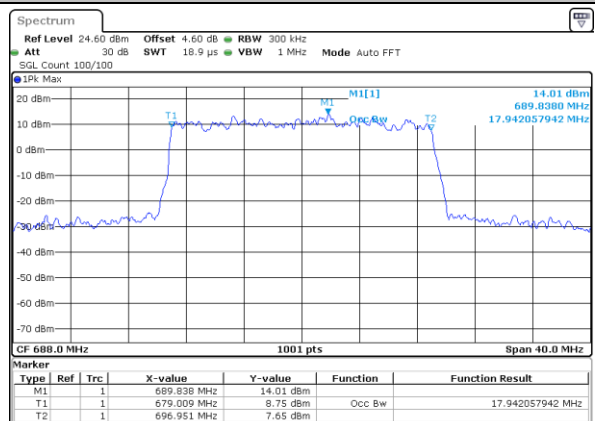
Date: 25 JUN 2020 00:06:09

Highest Channel / 20MHz / QPSK



Date: 25 JUN 2020 03:45:46

Highest Channel / 20MHz / 16QAM

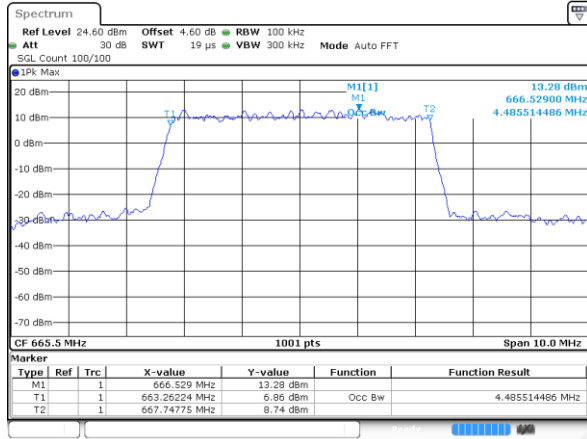


Date: 25 JUN 2020 03:45:30

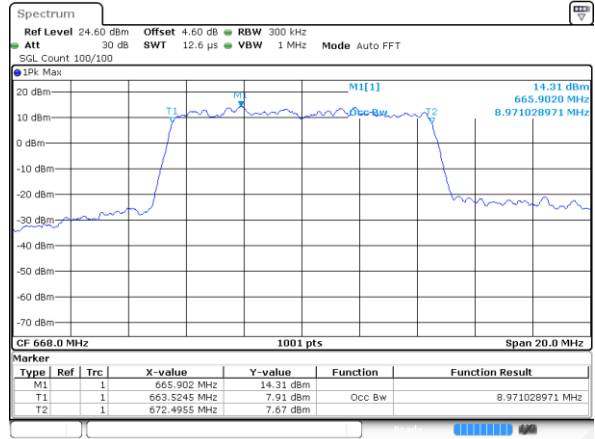


LTE Band 71

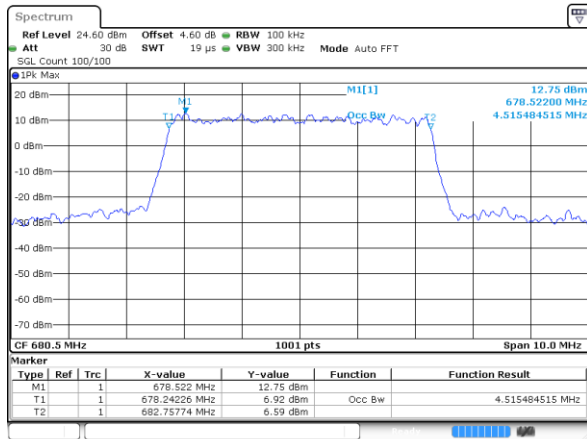
Lowest Channel / 5MHz / 64QAM



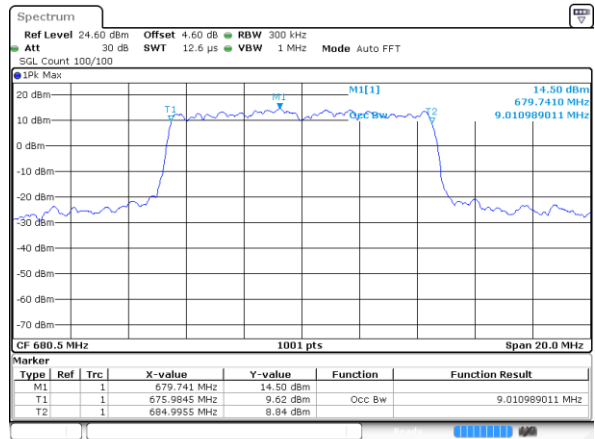
Lowest Channel / 10MHz / 64QAM



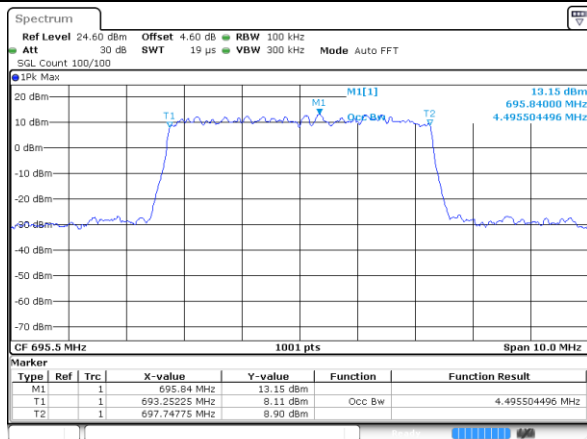
Middle Channel / 5MHz / 64QAM



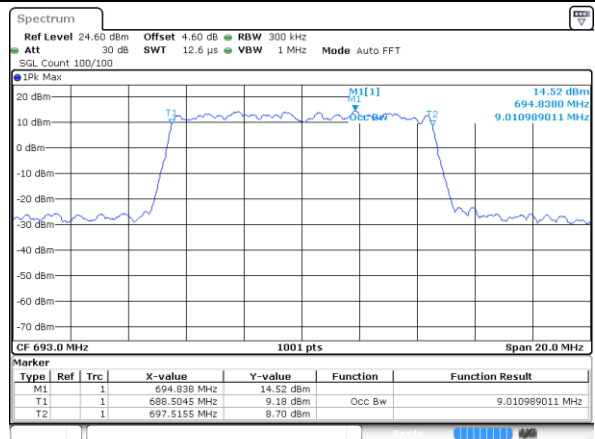
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



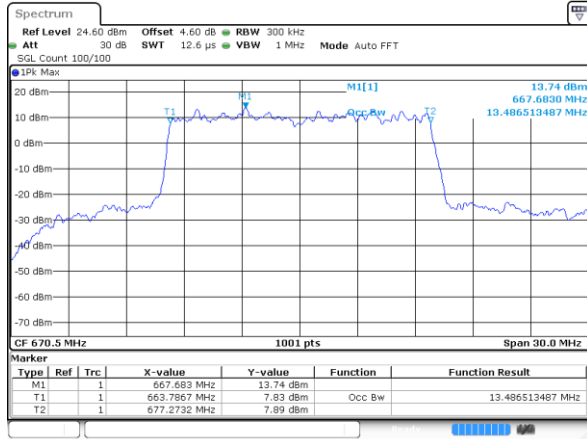
Highest Channel / 10MHz / 64QAM



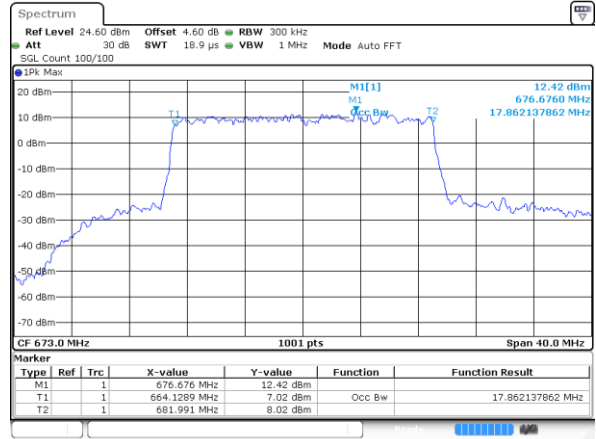


LTE Band 71

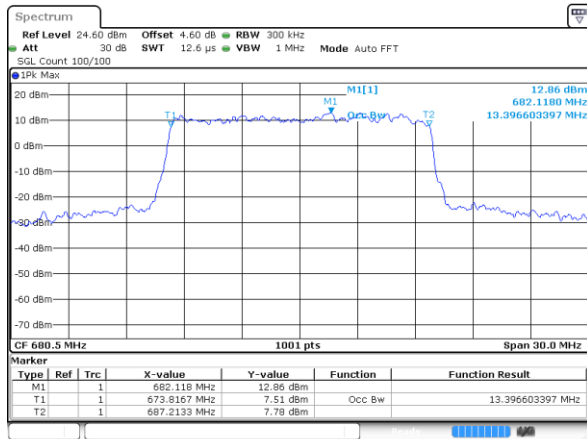
Lowest Channel / 15MHz / 64QAM



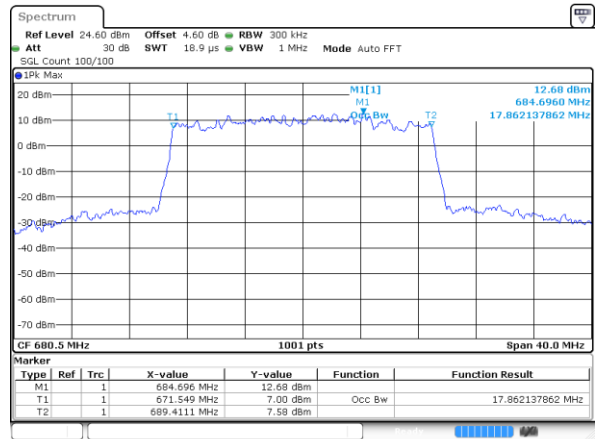
Lowest Channel / 20MHz / 64QAM



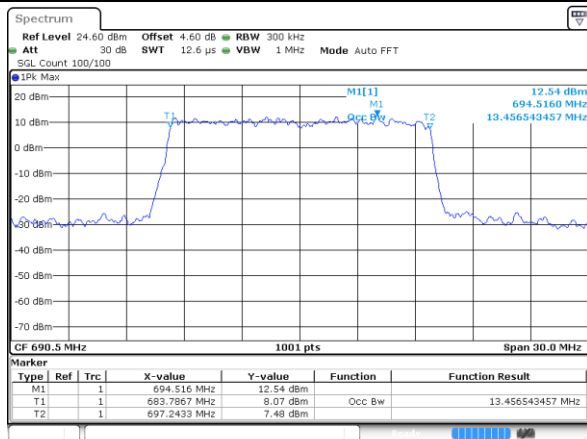
Middle Channel / 15MHz / 64QAM



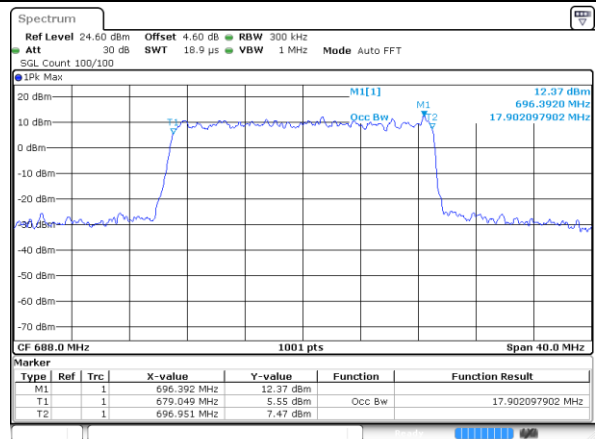
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

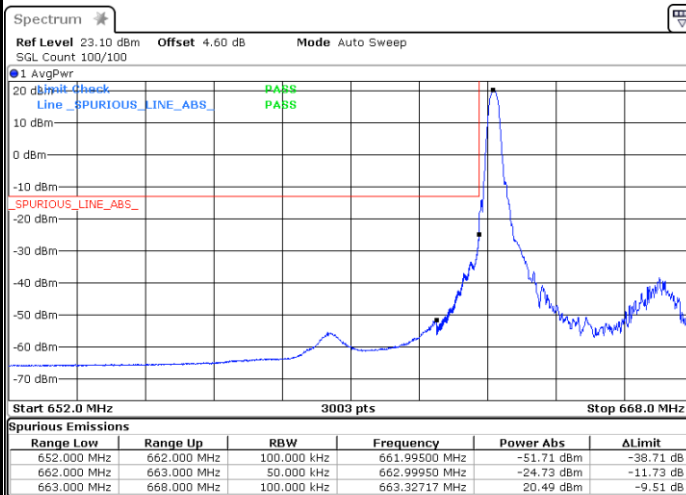




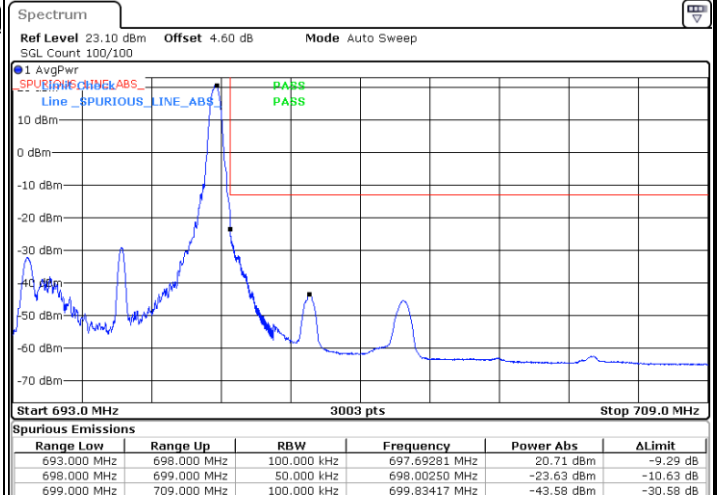
Conducted Band Edge

LTE Band 71 / 5MHz / QPSK

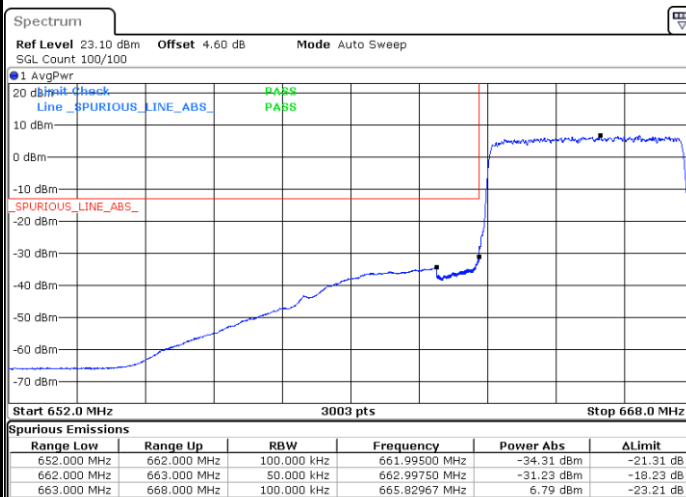
Lowest Band Edge / 1 RB



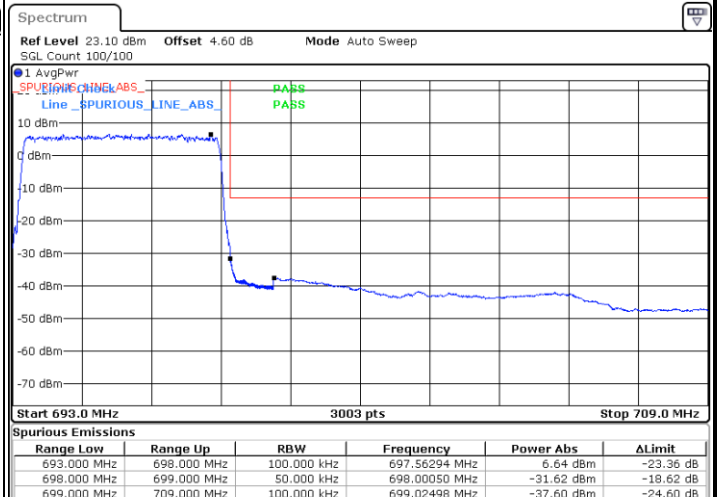
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



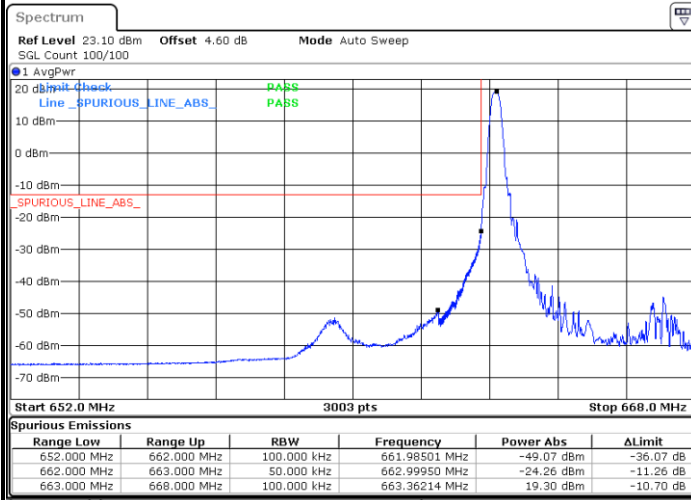
Highest Band Edge / Full RB



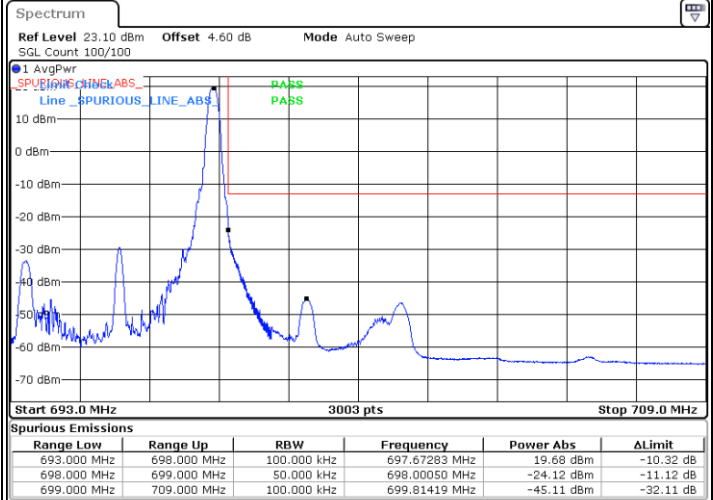


LTE Band 71 / 5MHz / 16QAM

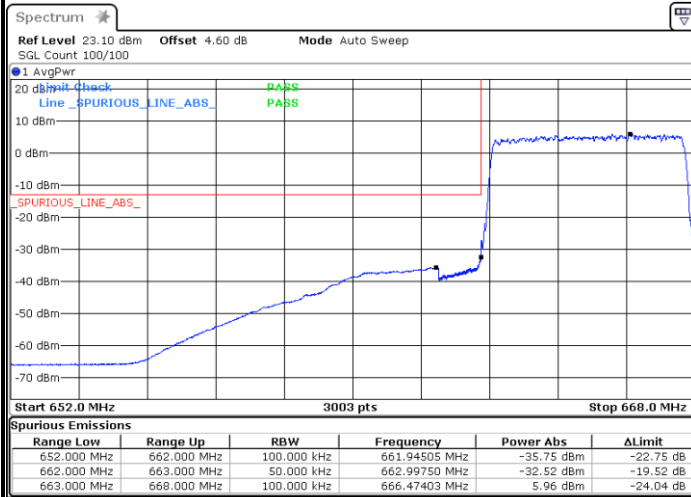
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



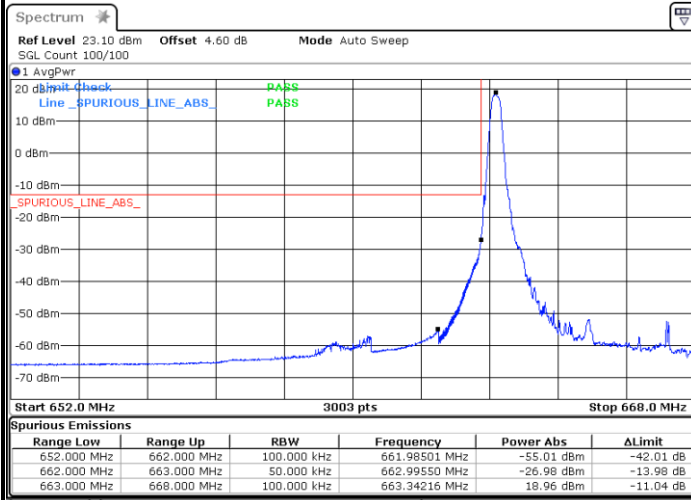
Highest Band Edge / Full RB



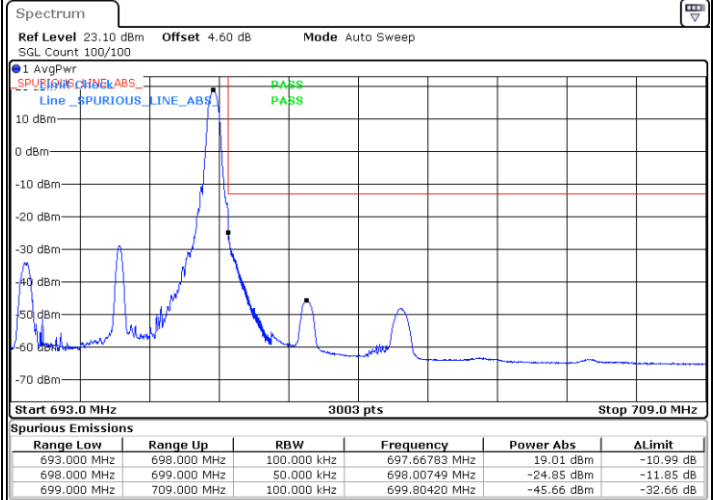


LTE Band 71 / 5MHz / 64QAM

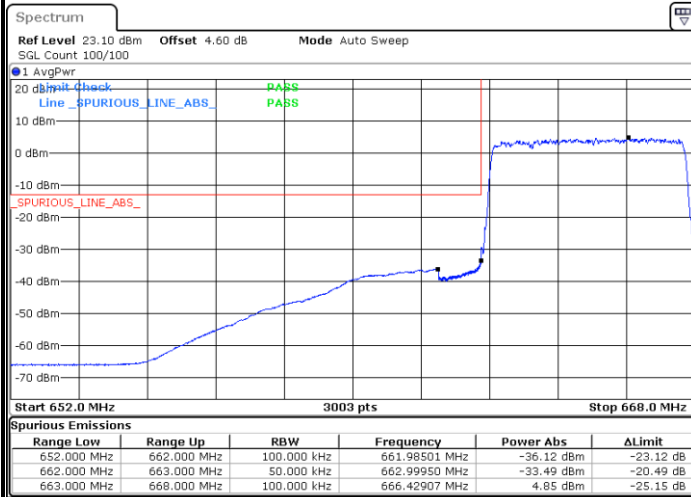
Lowest Band Edge / 1RB



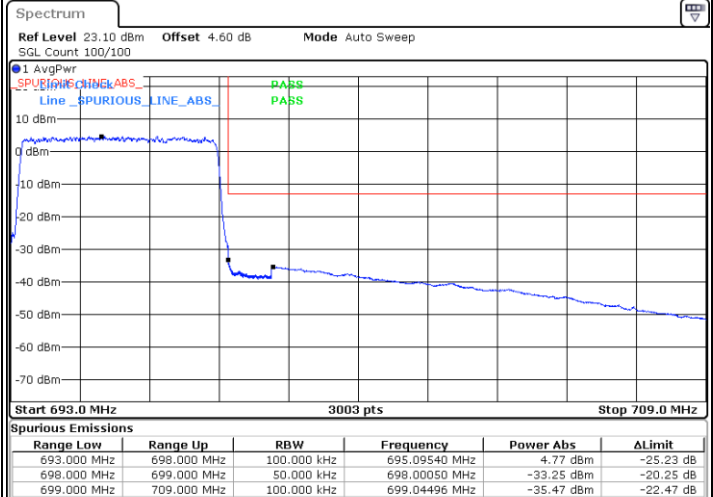
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



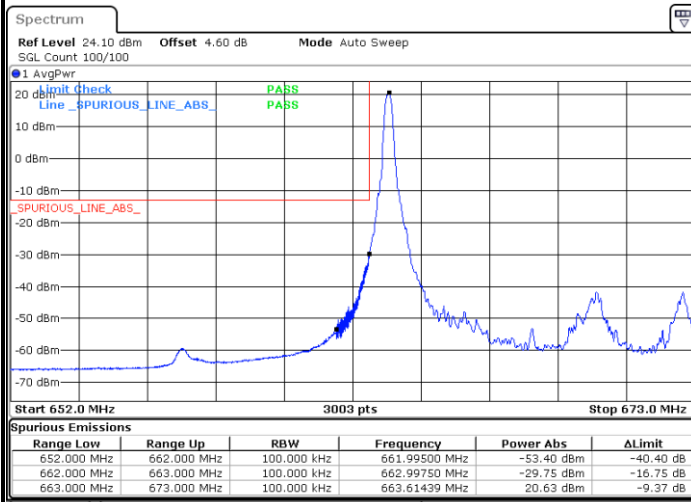
Highest Band Edge / Full RB





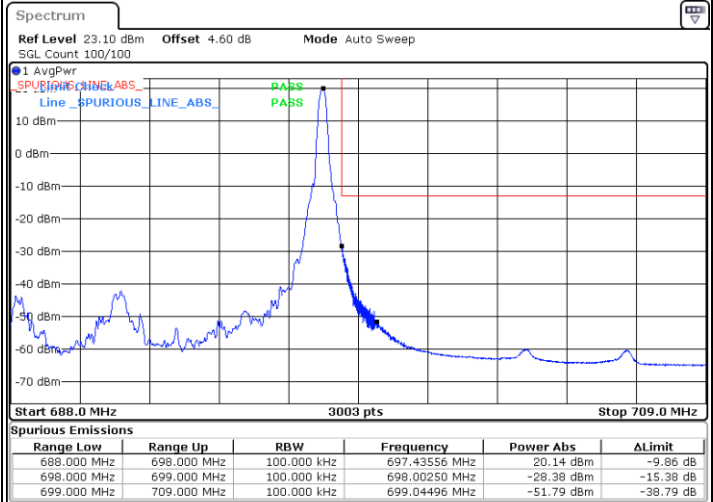
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



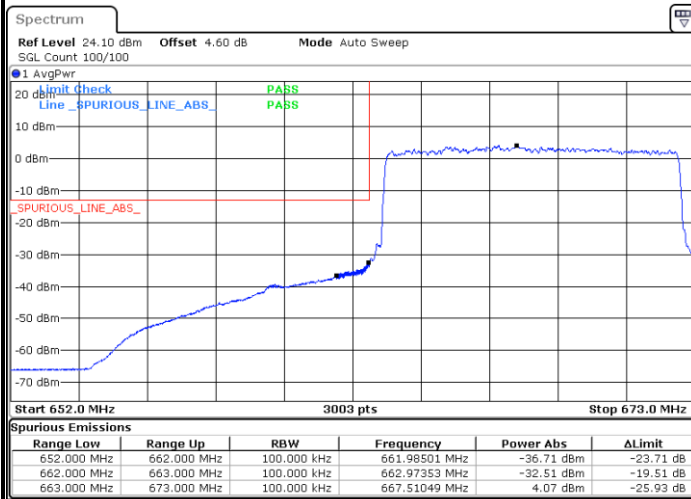
Date: 24 JUN 2020 23:11:19

Highest Band Edge / 1 RB



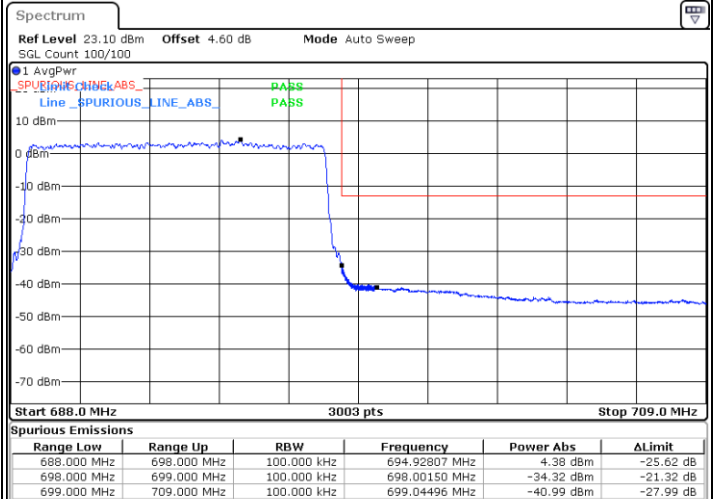
Date: 24 JUN 2020 23:22:40

Lowest Band Edge / Full RB



Date: 24 JUN 2020 23:12:41

Highest Band Edge / Full RB

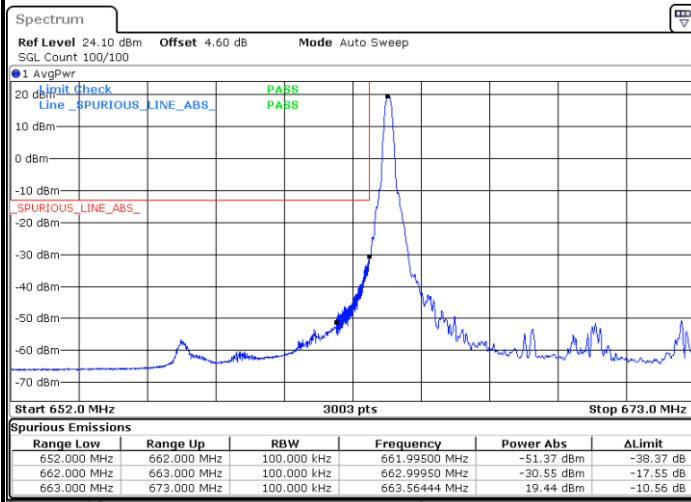


Date: 24 JUN 2020 23:17:44

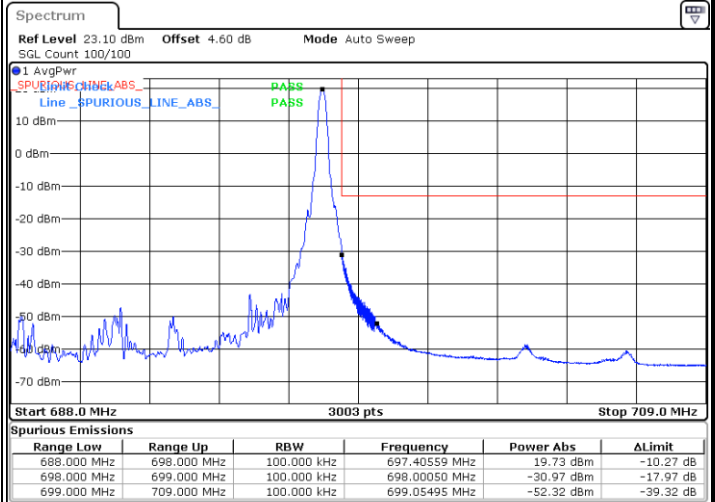


LTE Band 71 / 10MHz / 16QAM

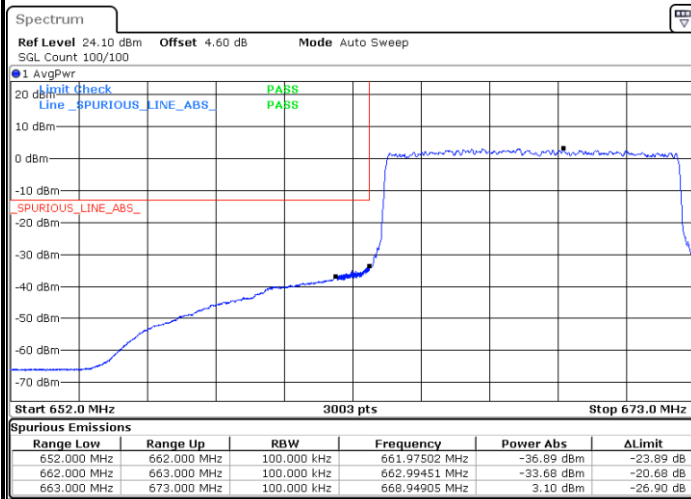
Lowest Band Edge / 1 RB



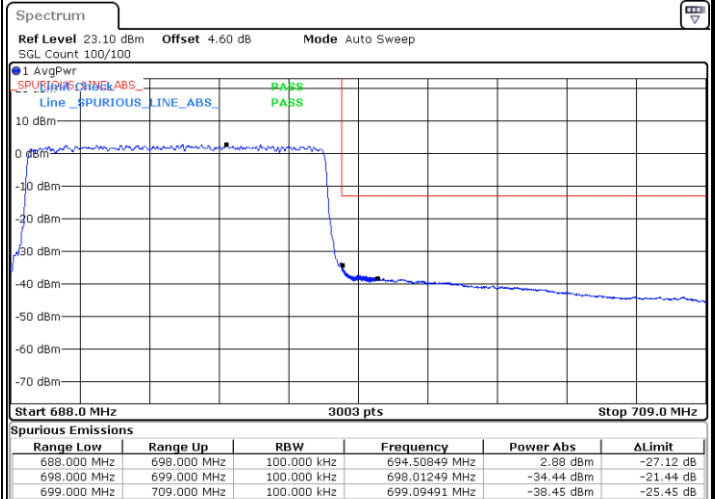
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



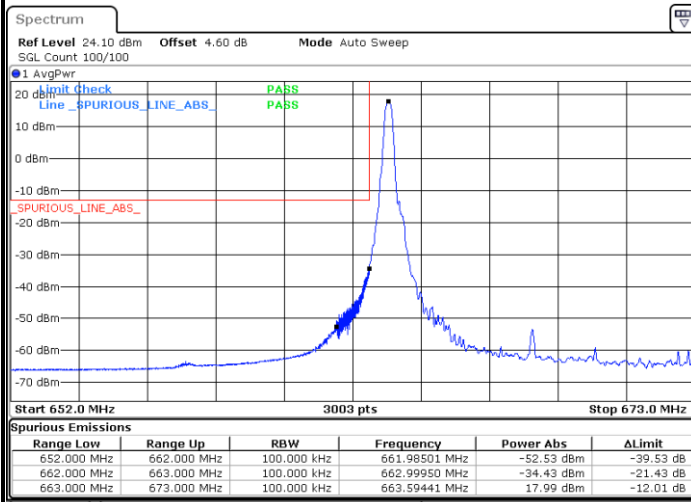
Highest Band Edge / Full RB



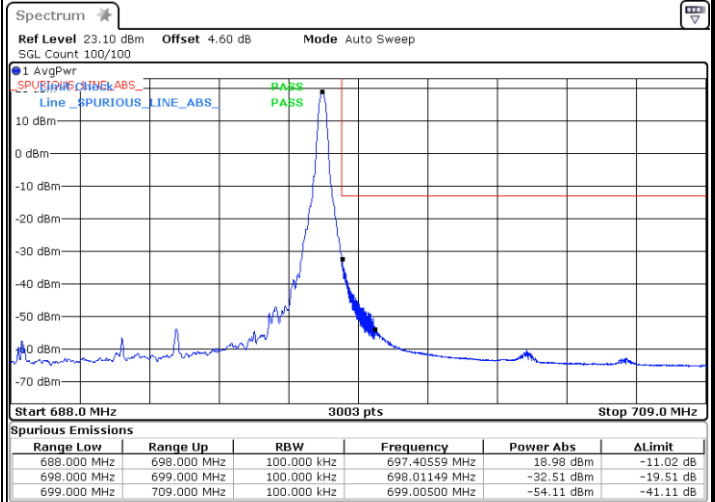


LTE Band 71 / 10MHz / 64QAM

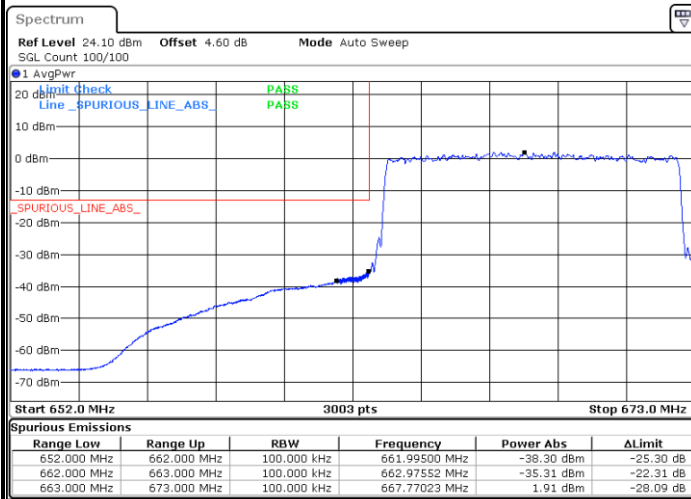
Lowest Band Edge / 1 RB



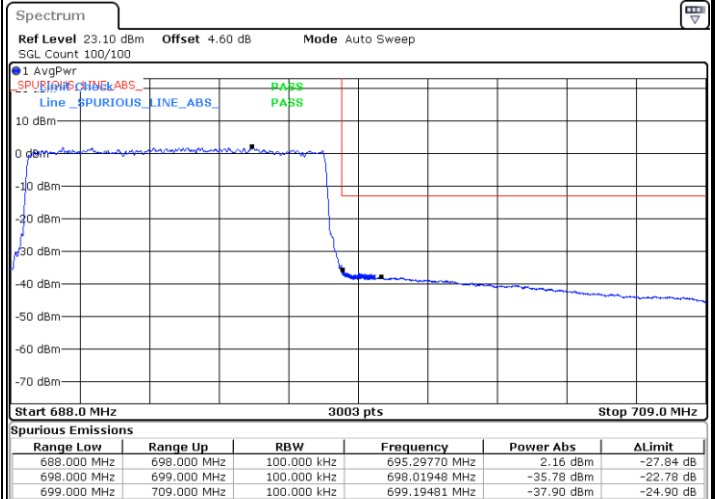
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



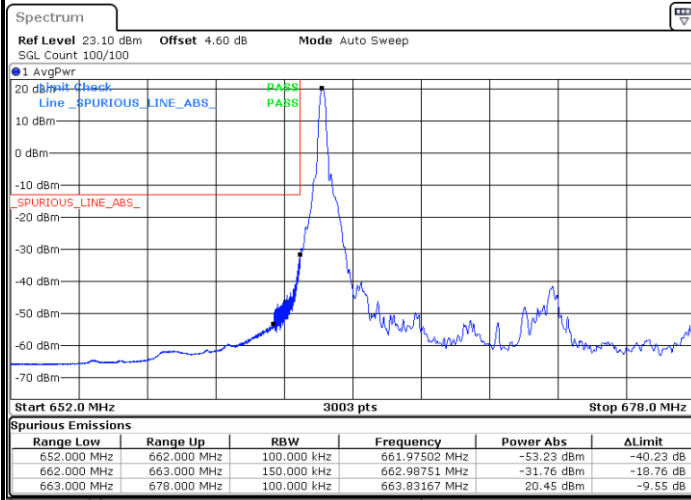
Highest Band Edge / Full RB



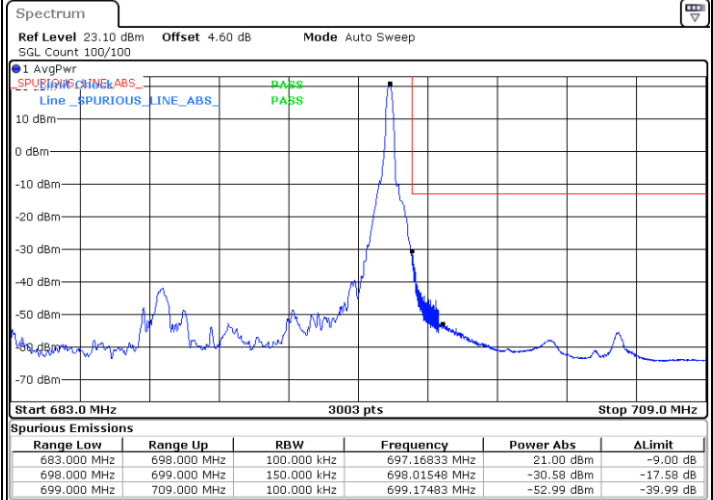


LTE Band 71 / 15MHz / QPSK

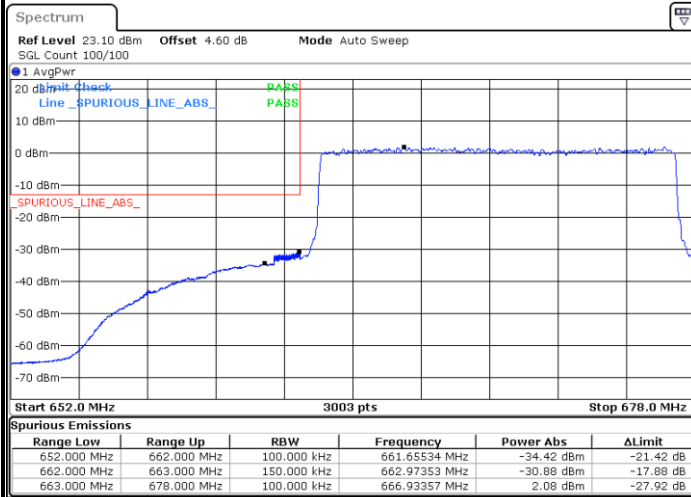
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

