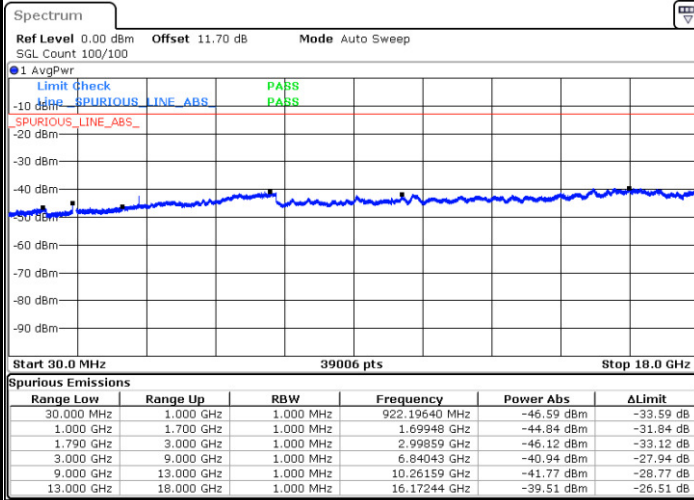




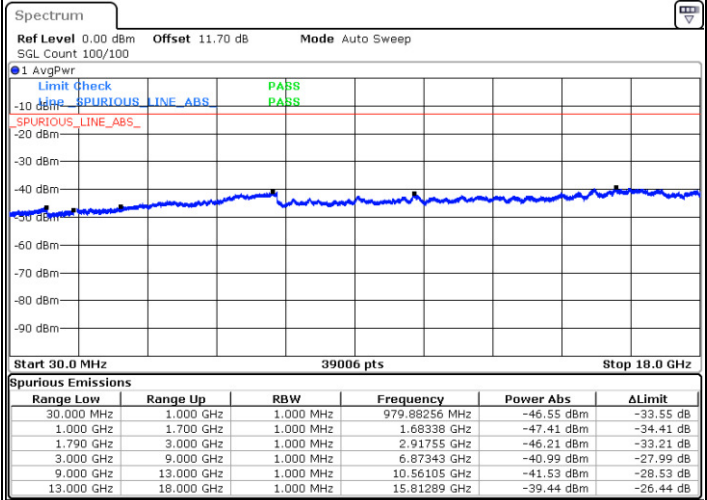
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



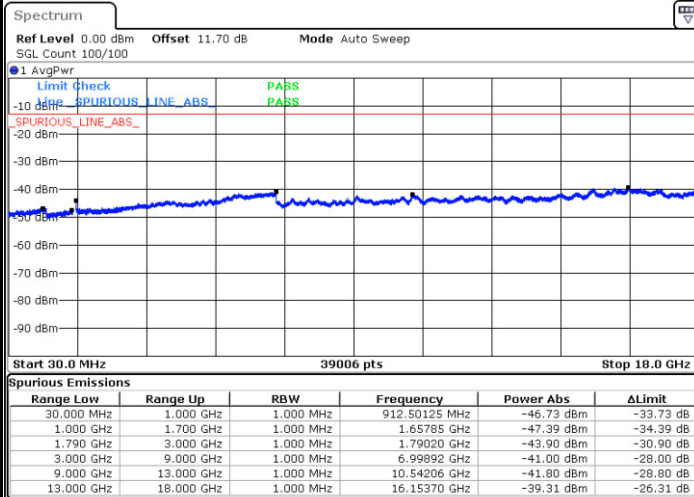
Date: 17.FEB.2018 08:53:19

Middle Channel / 64QAM



Date: 17.FEB.2018 08:54:32

Highest Channel / 64QAM

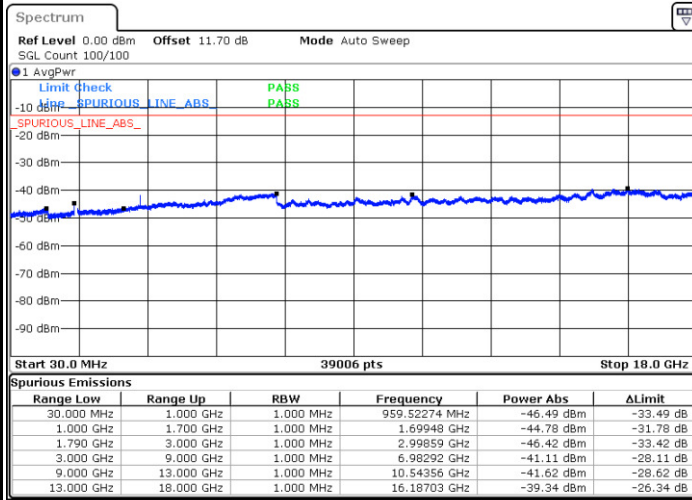


Date: 17.FEB.2018 08:57:59



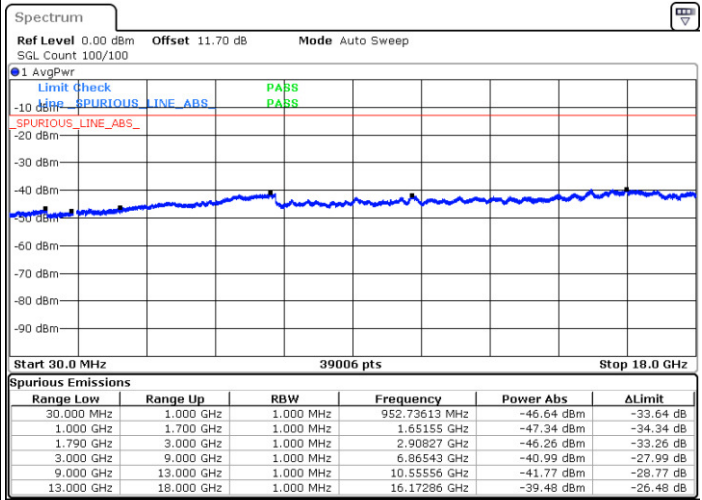
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



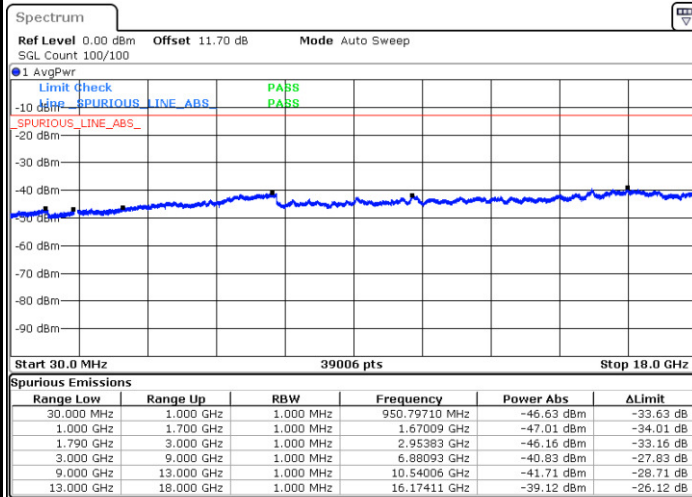
Date: 17.FEB.2018 10:22:46

Middle Channel / 64QAM



Date: 17.FEB.2018 10:23:59

Highest Channel / 64QAM

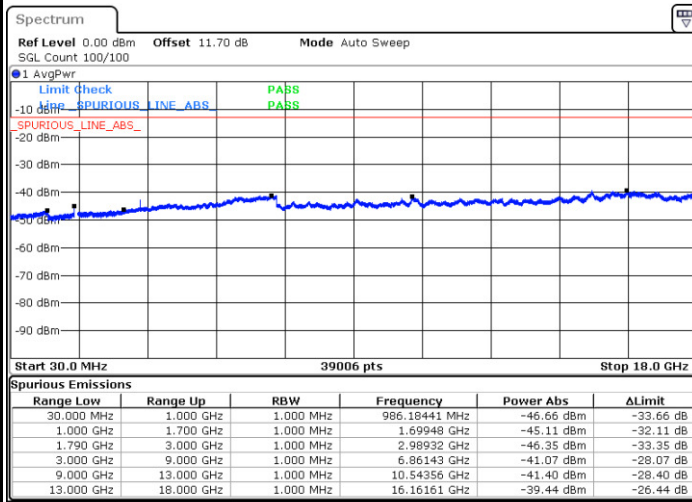


Date: 17.FEB.2018 10:27:26



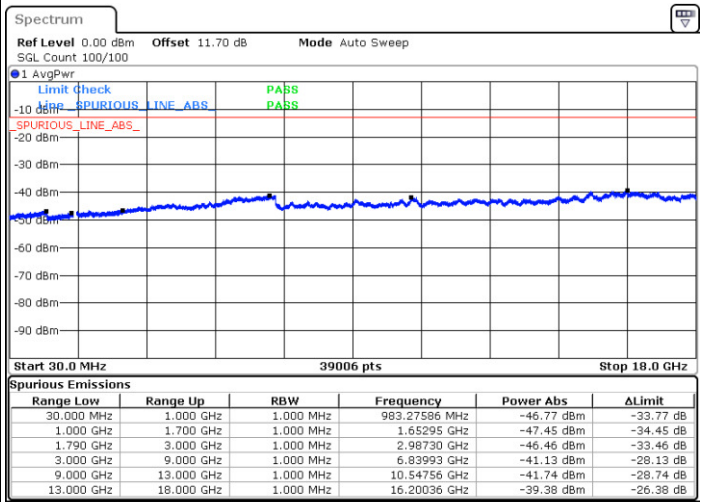
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



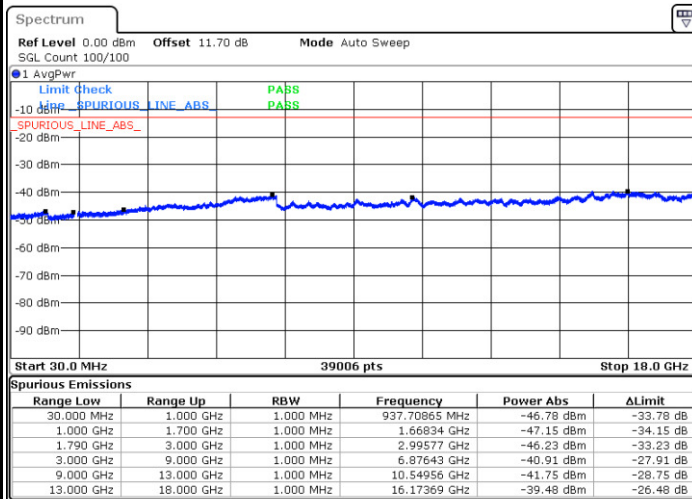
Date: 17.FEB.2018 10:30:53

Middle Channel / 64QAM



Date: 17.FEB.2018 10:32:06

Highest Channel / 64QAM

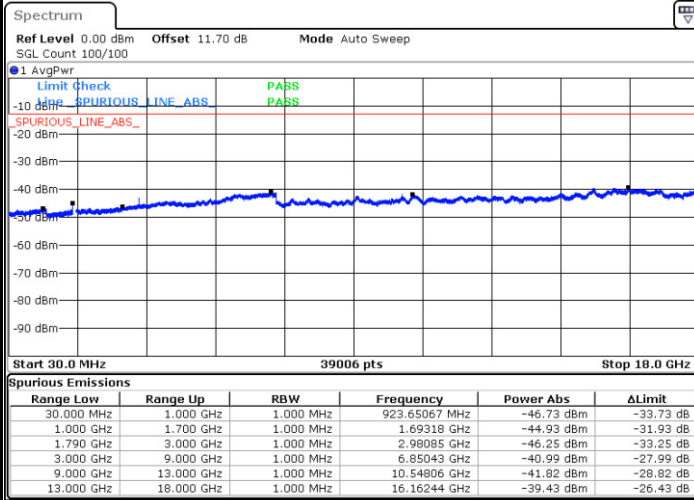


Date: 17.FEB.2018 10:35:34



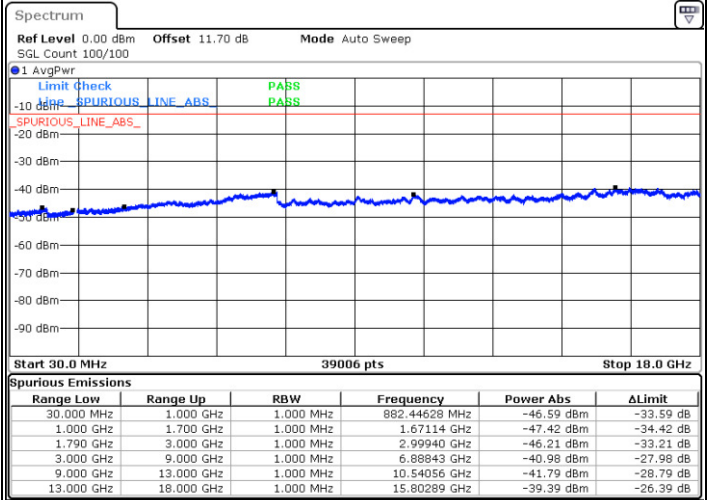
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



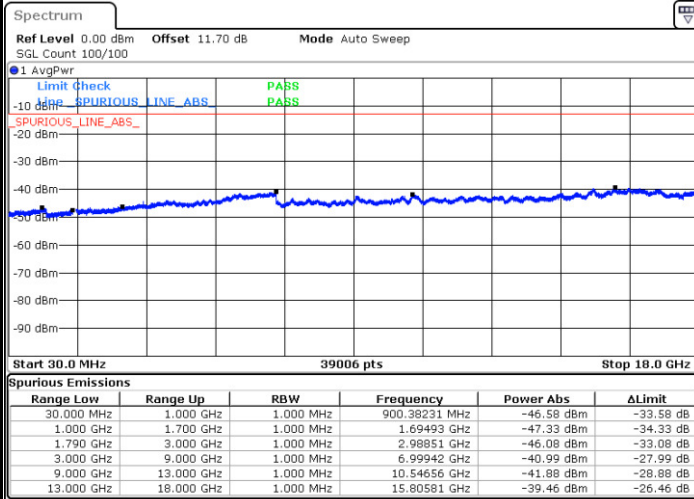
Date: 17.FEB.2018 10:39:01

Middle Channel / 64QAM



Date: 17.FEB.2018 10:40:14

Highest Channel / 64QAM

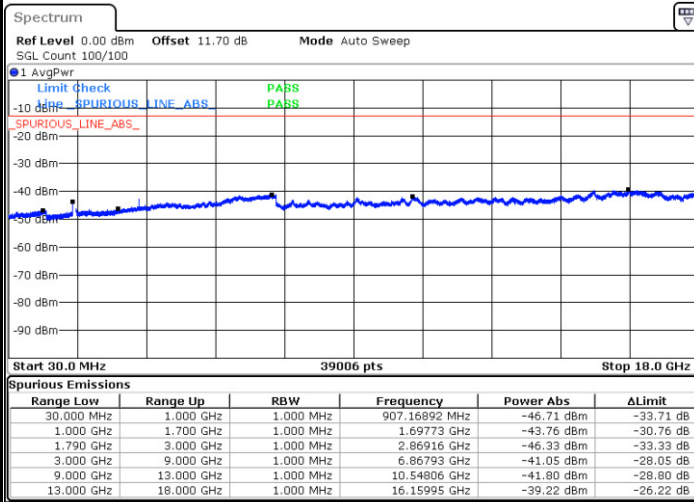


Date: 17.FEB.2018 10:43:41



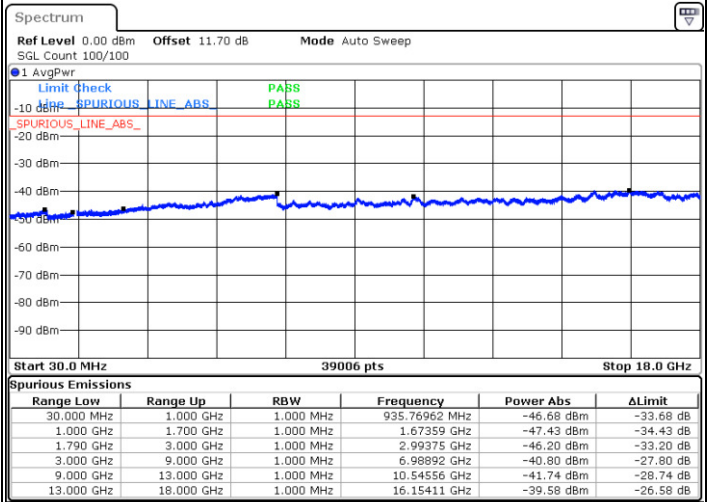
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



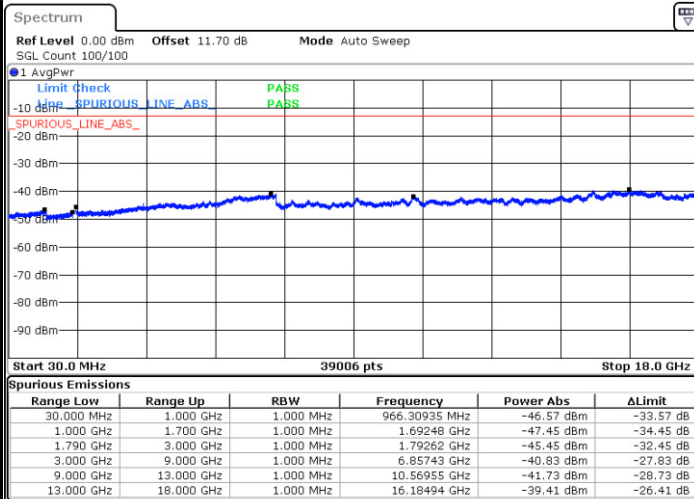
Date: 17.FEB.2018 10:47:09

Middle Channel / 64QAM



Date: 17.FEB.2018 10:48:22

Highest Channel / 64QAM

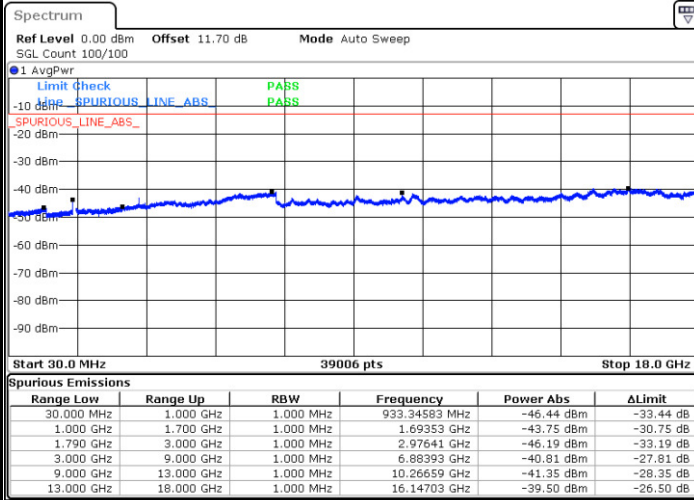


Date: 17.FEB.2018 11:19:50



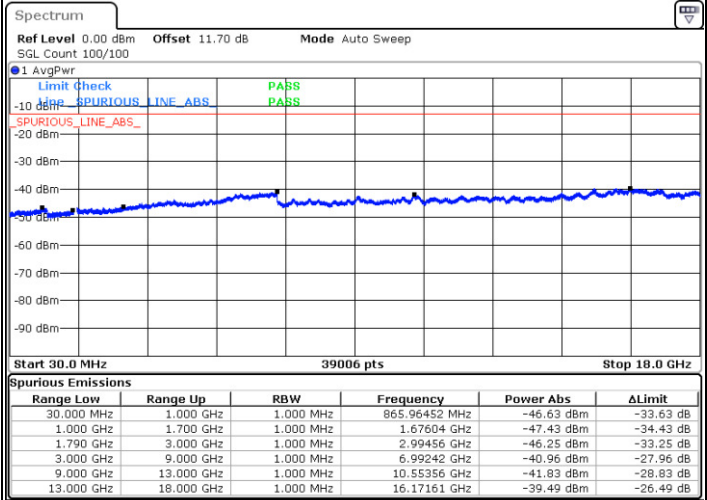
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



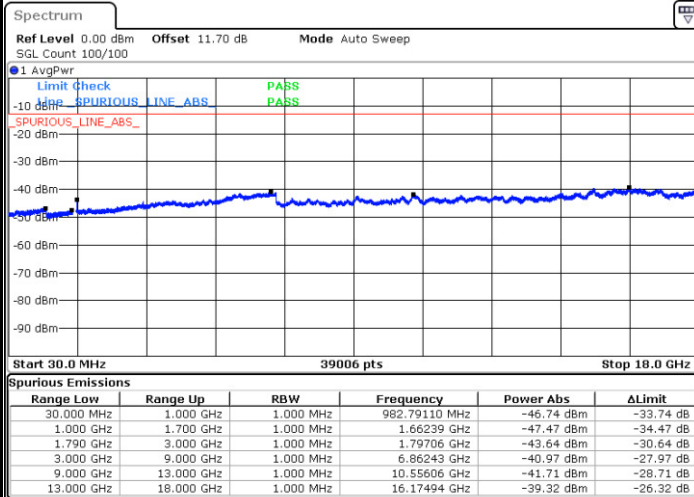
Date: 17.FEB 2018 11:24:33

Middle Channel / 64QAM



Date: 17.FEB 2018 11:25:46

Highest Channel / 64QAM



Date: 17.FEB 2018 11:29:13

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0052	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0030	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0086	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

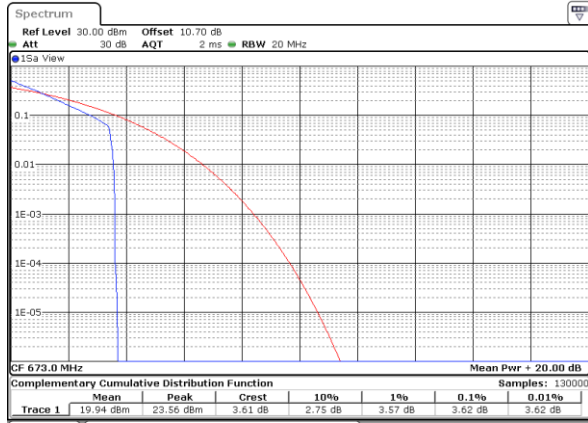
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.62	4.41	5.45	5.59	PASS
Middle CH	3.59	4.61	4.23	5.94	
Highest CH	3.59	4.61	5.57	5.59	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.30	5.62	-	-	PASS
Middle CH	4.49	5.94	-	-	
Highest CH	5.28	5.97	-	-	

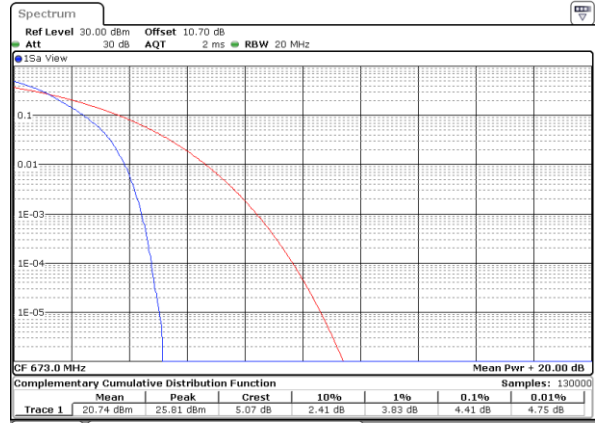


LTE Band 71 / 20MHz / QPSK

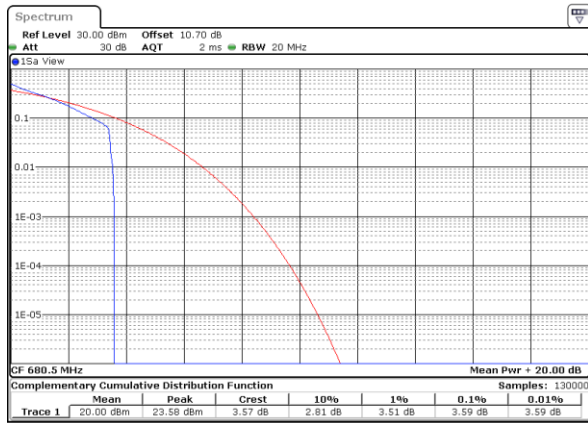
Lowest Channel / 1RB



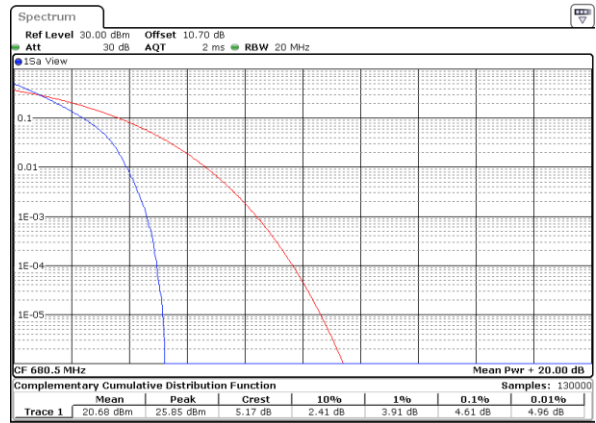
Lowest Channel / Full RB



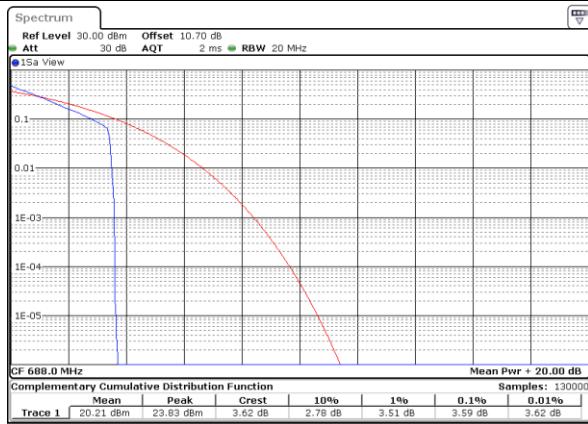
Middle Channel / 1RB



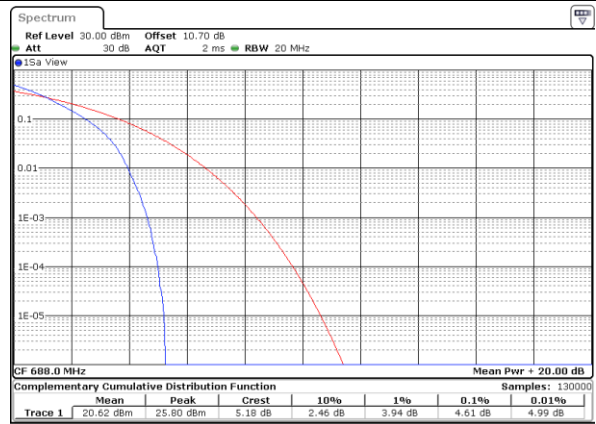
Middle Channel / Full RB



Highest Channel / 1RB



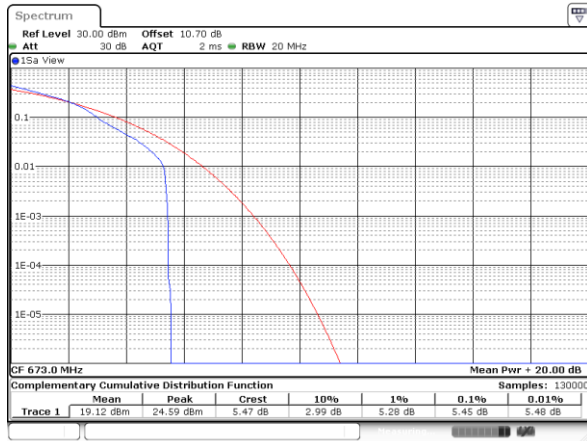
Highest Channel / Full RB



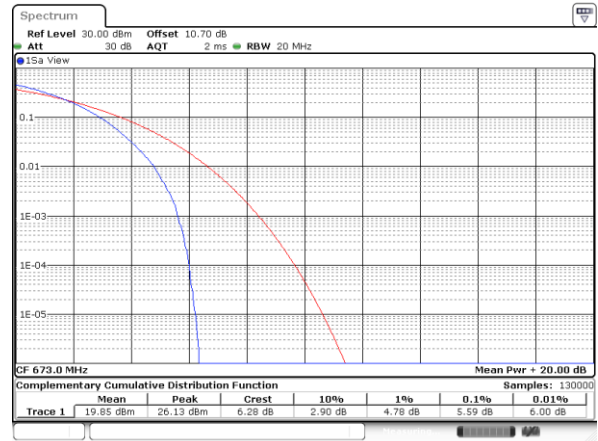


LTE Band 71 / 20MHz / 16QAM

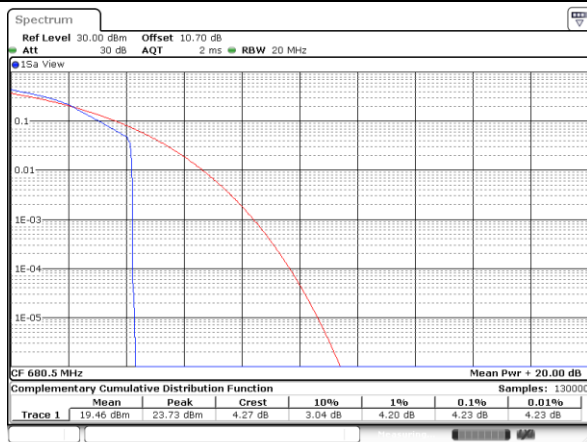
Lowest Channel / 1RB



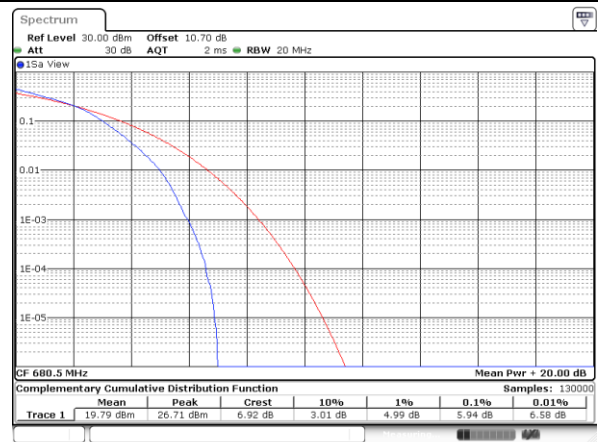
Lowest Channel / Full RB



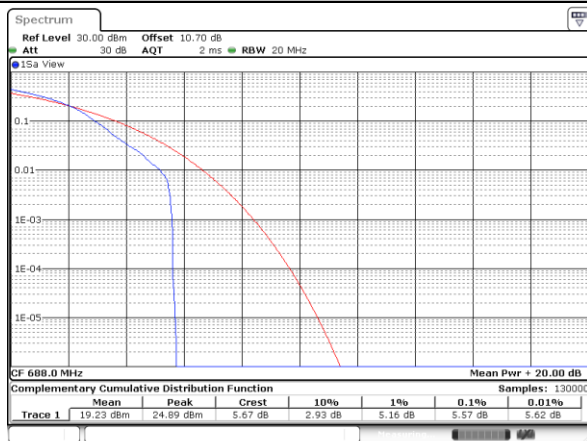
Middle Channel / 1RB



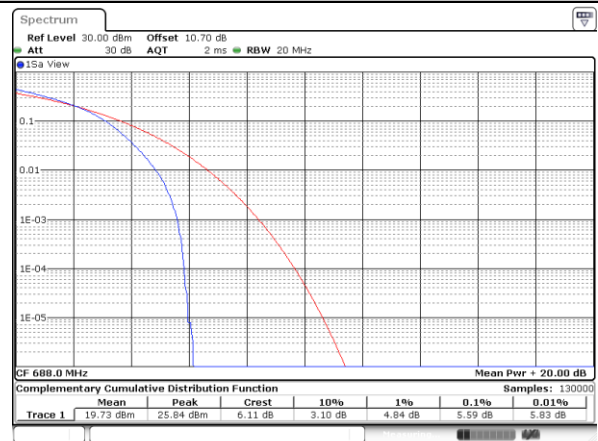
Middle Channel / Full RB



Highest Channel / 1RB



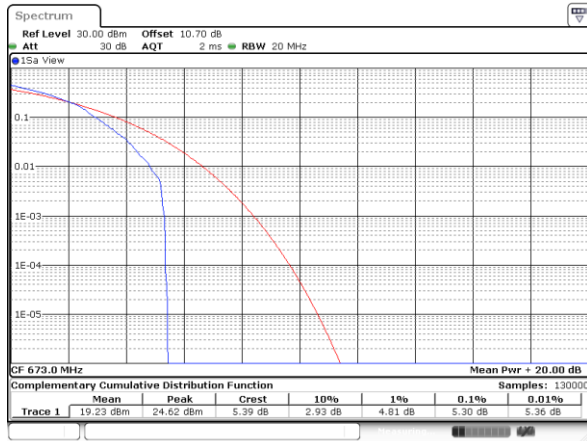
Highest Channel / Full RB



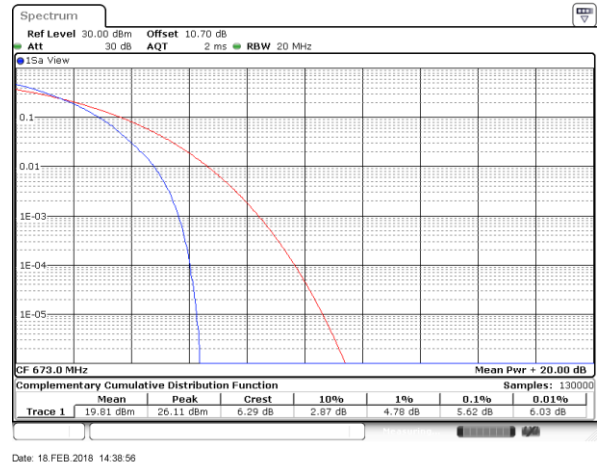


LTE Band 71 / 20MHz / 64QAM

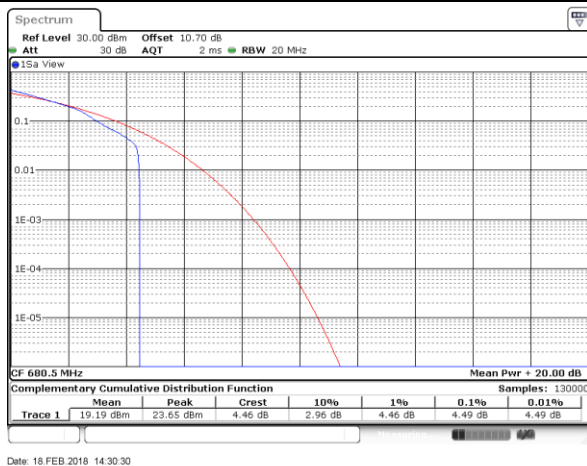
Lowest Channel / 1RB



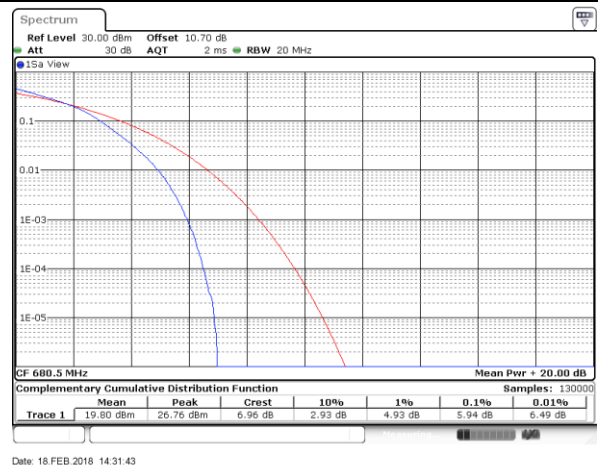
Lowest Channel / Full RB



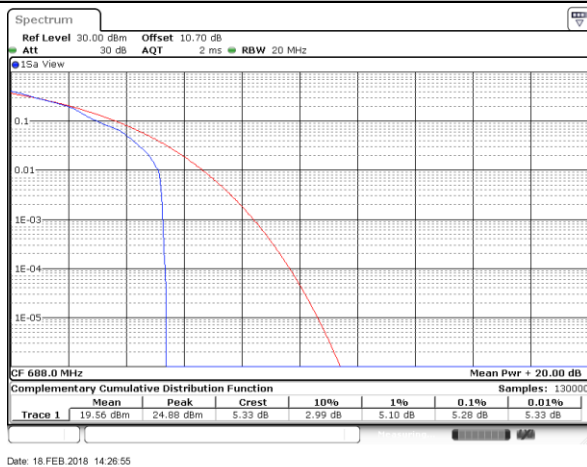
Middle Channel / 1RB



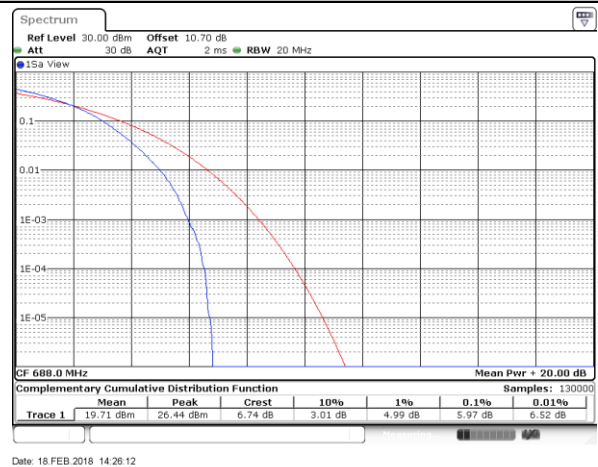
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



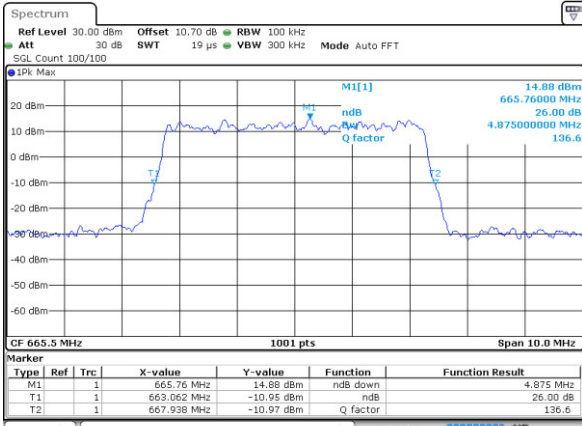
**26dB Bandwidth**

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	-	-	-	-	4.88	4.91	9.79	9.89	14.27	14.33	20.34	20.50
Middle CH	-	-	-	-	4.91	4.92	9.67	9.83	14.48	14.30	20.14	20.22
Highest CH	-	-	-	-	4.96	4.88	9.85	9.85	14.42	14.33	20.14	20.10
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.84	-	9.85	-	14.33	-	20.02	-
Middle CH	-	-	-	-	4.87	-	9.95	-	14.45	-	20.22	-
Highest CH	-	-	-	-	4.88	-	9.81	-	14.54	-	20.38	-

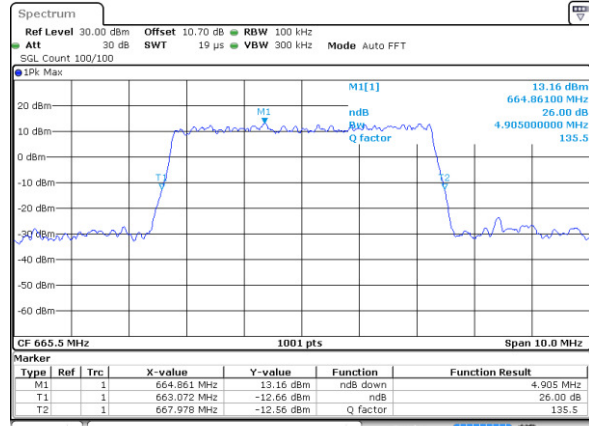


LTE Band 71

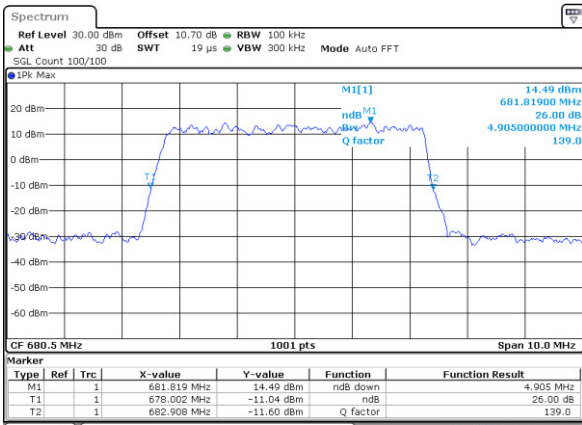
Lowest Channel / 5MHz / QPSK



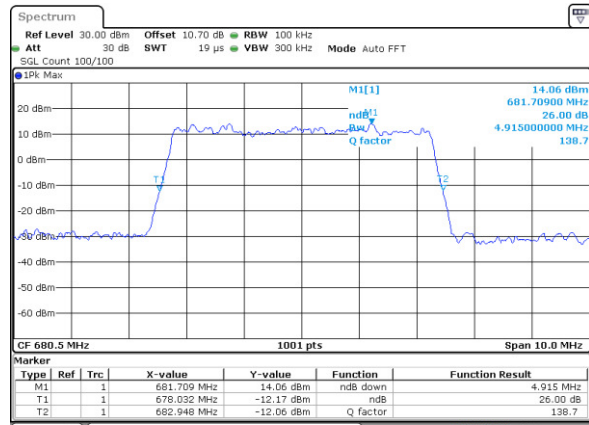
Lowest Channel / 5MHz / 16QAM



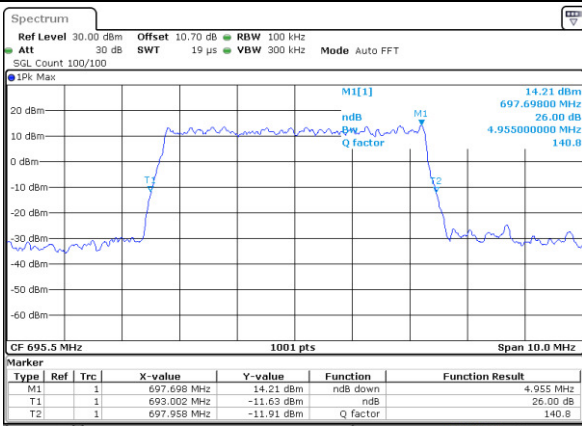
Middle Channel / 5MHz / QPSK



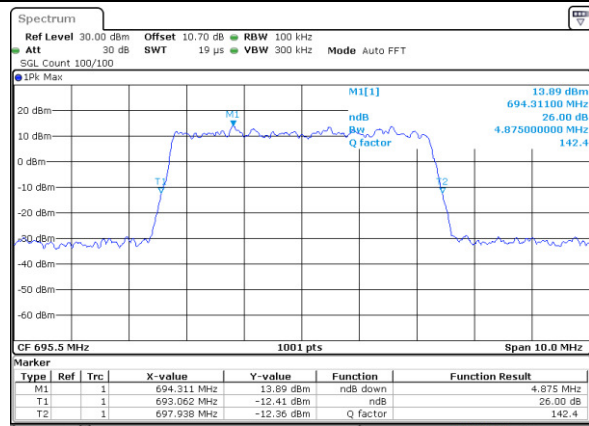
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



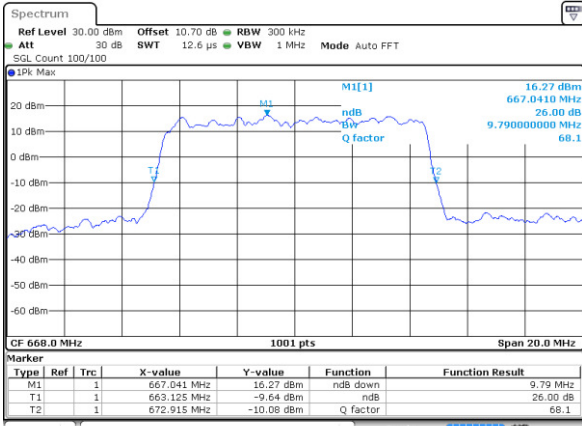
Highest Channel / 5MHz / 16QAM





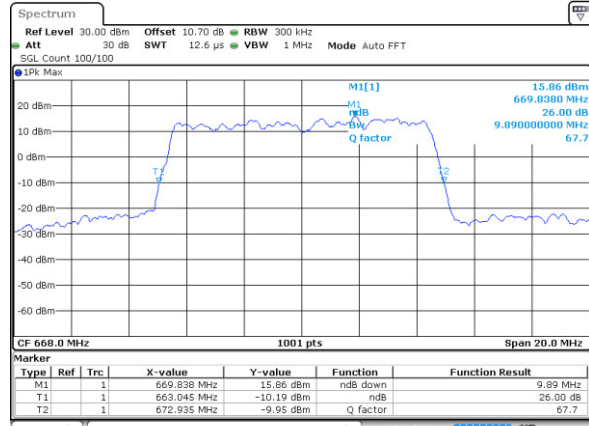
LTE Band 71

Lowest Channel / 10MHz / QPSK



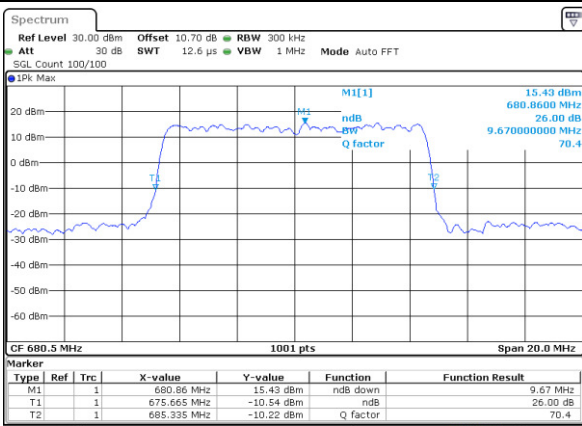
Date: 18 FEB 2018 11:05:07

Lowest Channel / 10MHz / 16QAM



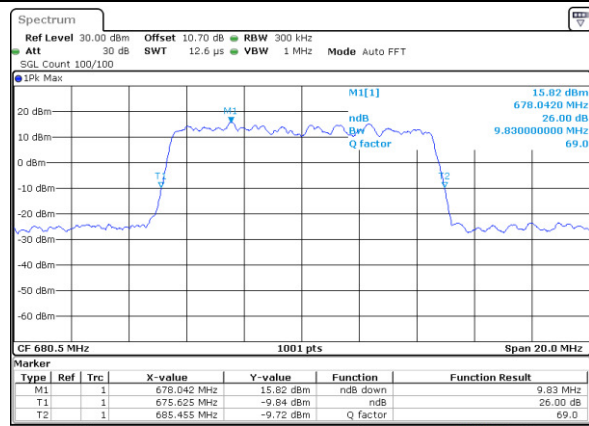
Date: 18 FEB 2018 11:02:50

Middle Channel / 10MHz / QPSK



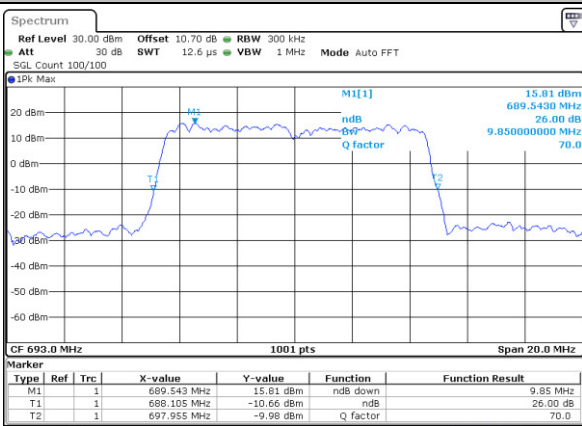
Date: 18 FEB 2018 11:08:50

Middle Channel / 10MHz / 16QAM



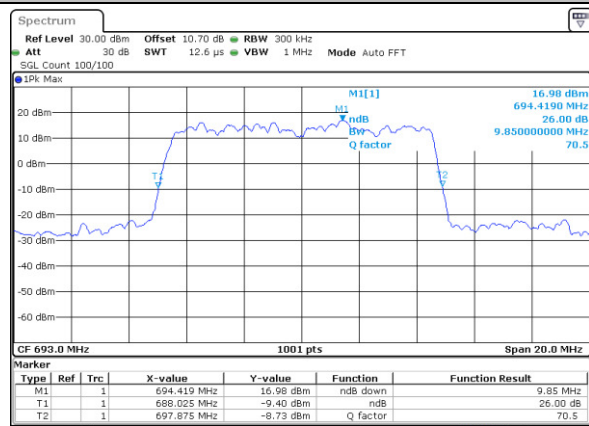
Date: 18 FEB 2018 11:09:57

Highest Channel / 10MHz / QPSK



Date: 18 FEB 2018 11:40:54

Highest Channel / 10MHz / 16QAM

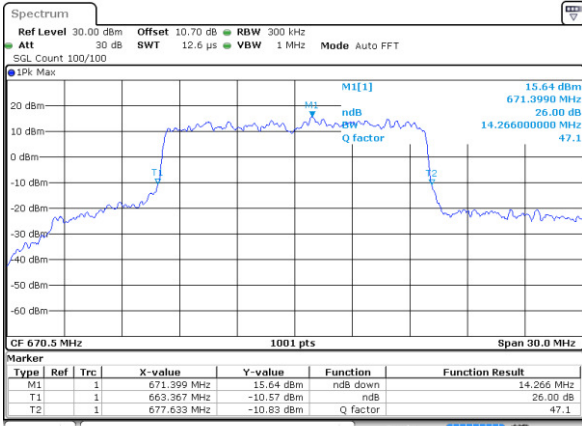


Date: 18 FEB 2018 11:39:04

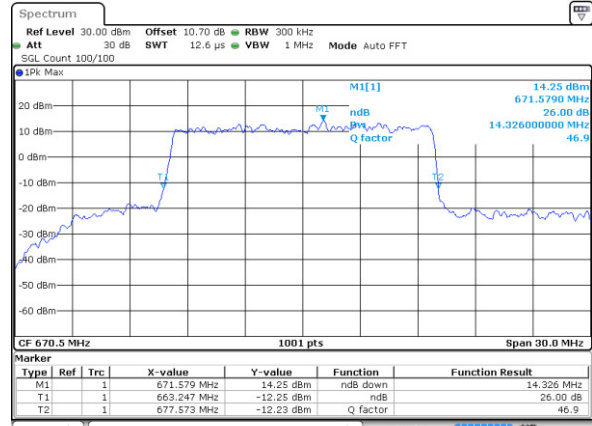


LTE Band 71

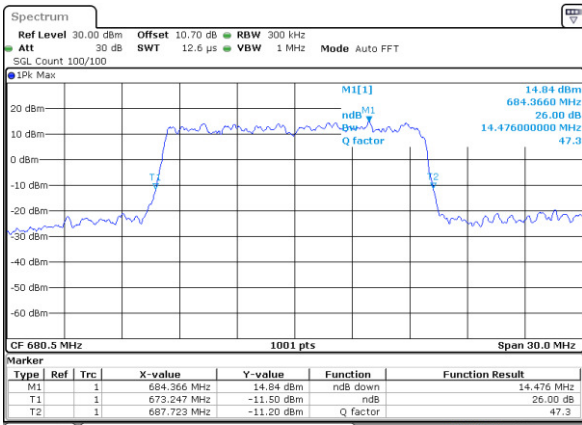
Lowest Channel / 15MHz / QPSK



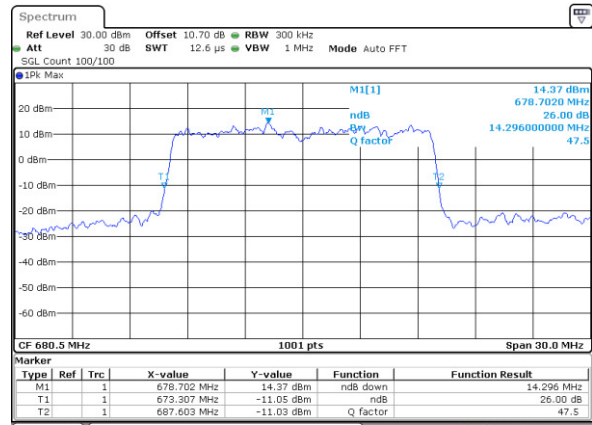
Lowest Channel / 15MHz / 16QAM



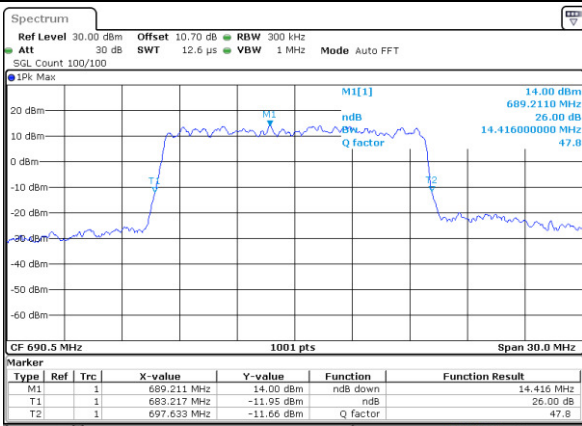
Middle Channel / 15MHz / QPSK



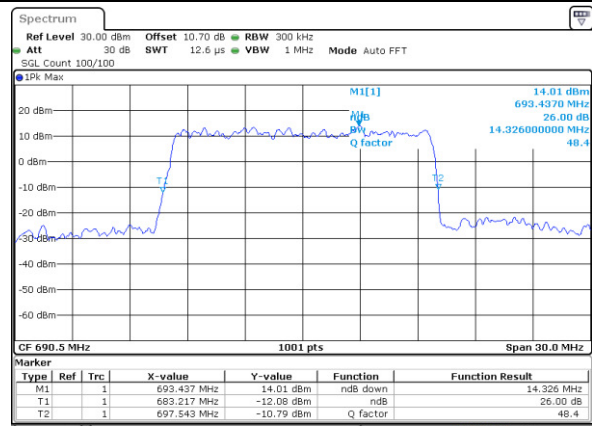
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



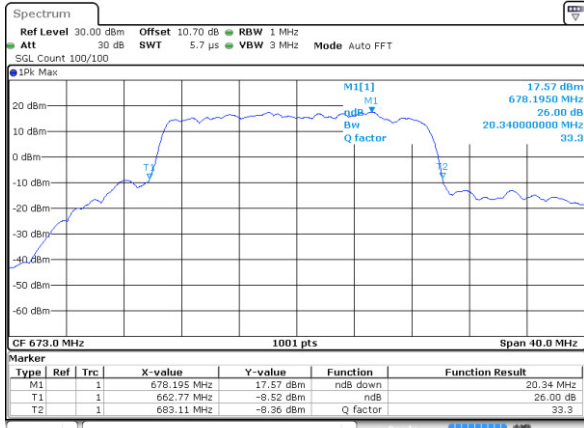
Highest Channel / 15MHz / 16QAM



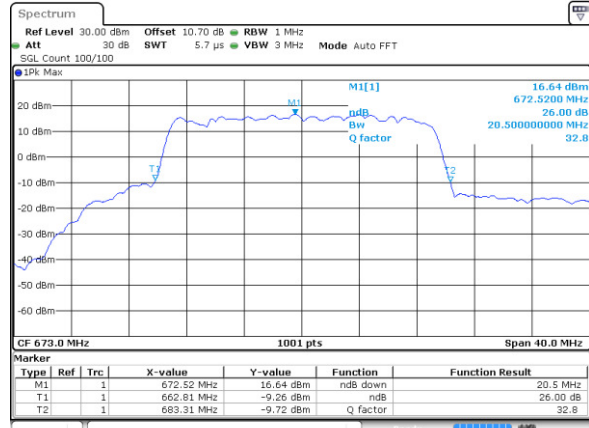


LTE Band 71

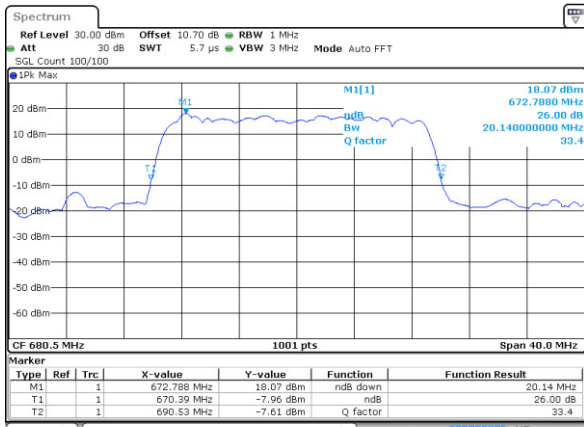
Lowest Channel / 20MHz / QPSK



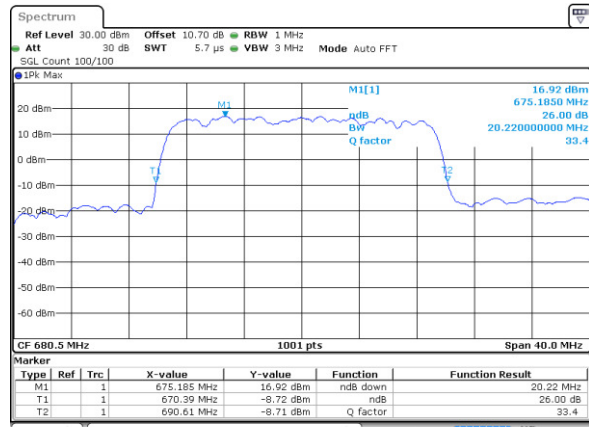
Lowest Channel / 20MHz / 16QAM



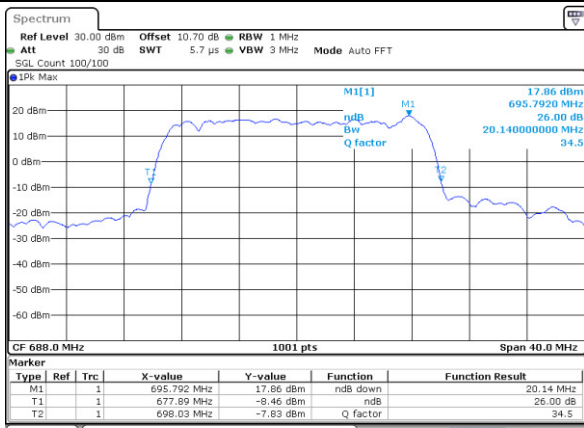
Middle Channel / 20MHz / QPSK



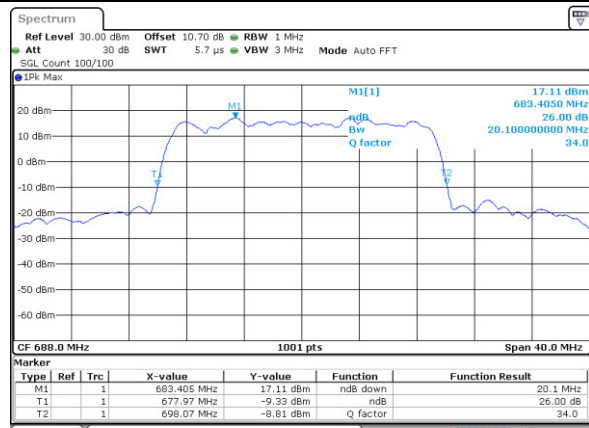
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



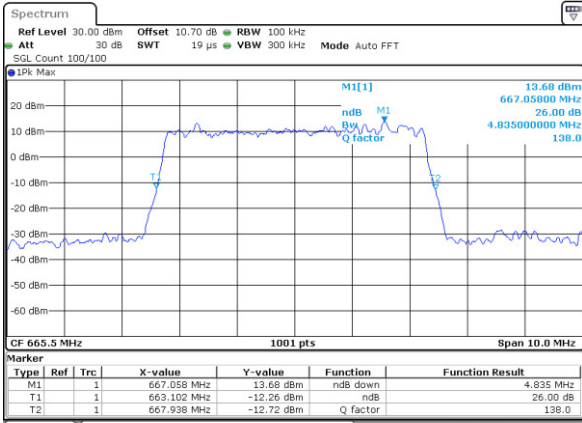
Highest Channel / 20MHz / 16QAM



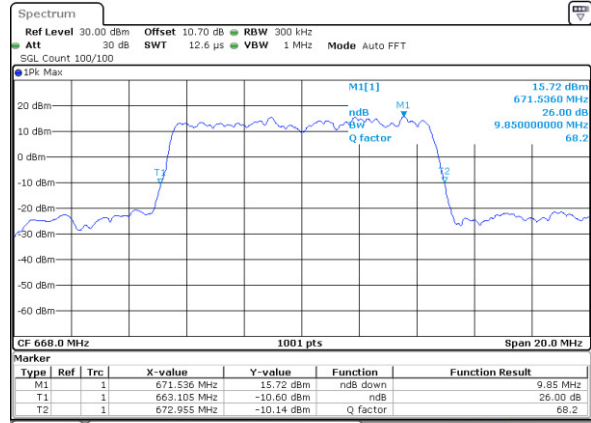


LTE Band 71

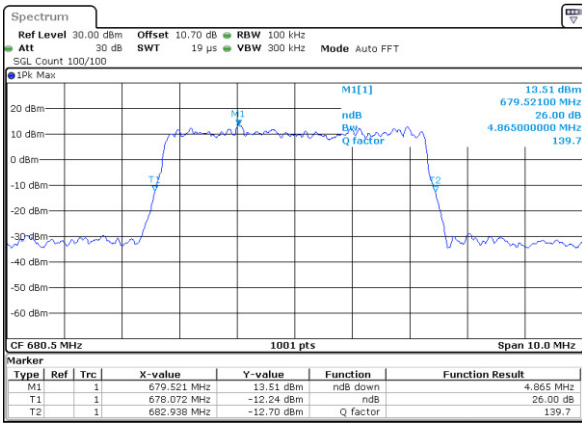
Lowest Channel / 5MHz / 64QAM



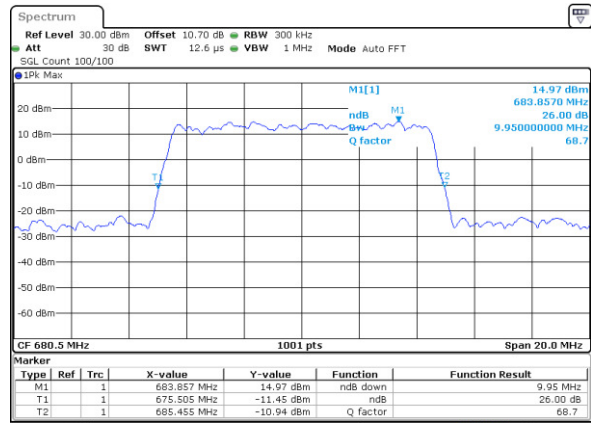
Lowest Channel / 10MHz / 64QAM



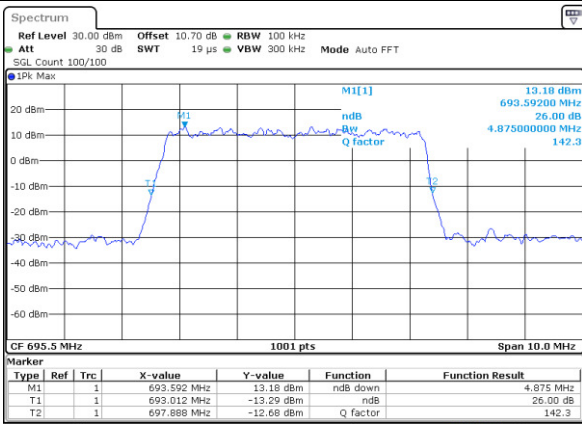
Middle Channel / 5MHz / 64QAM



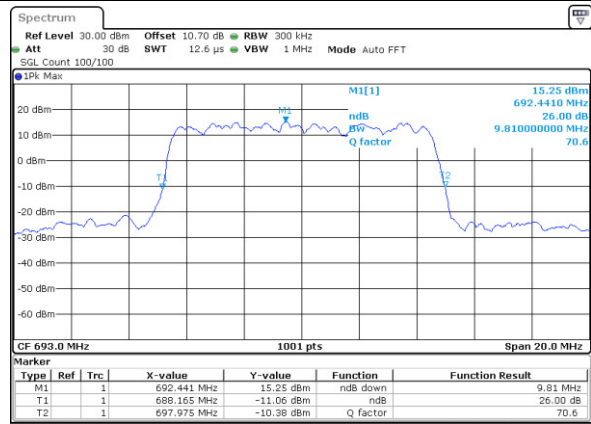
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



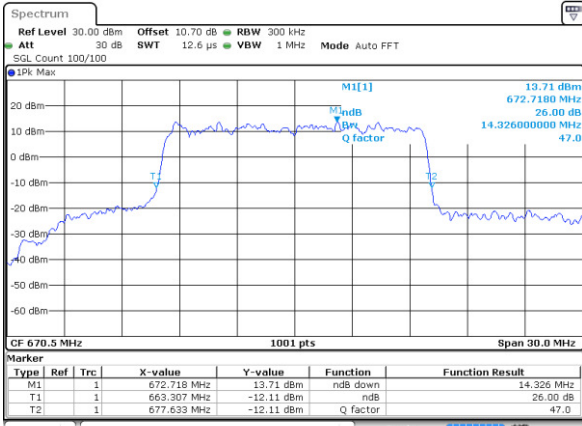
Highest Channel / 10MHz / 64QAM



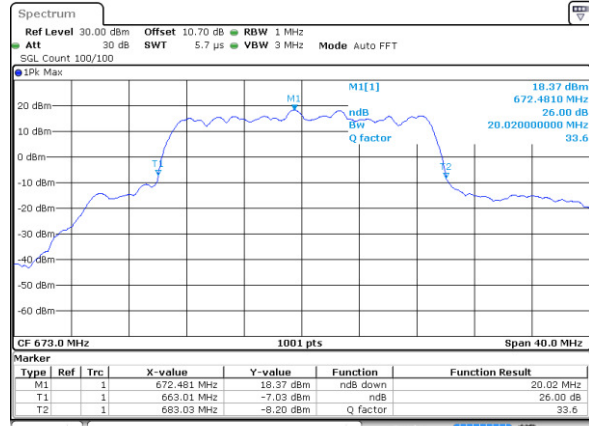


LTE Band 71

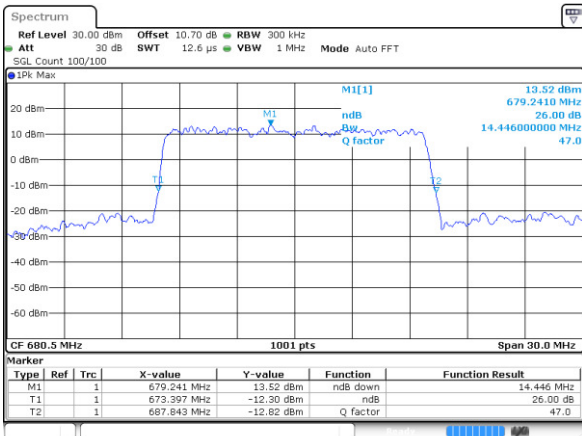
Lowest Channel / 15MHz / 64QAM



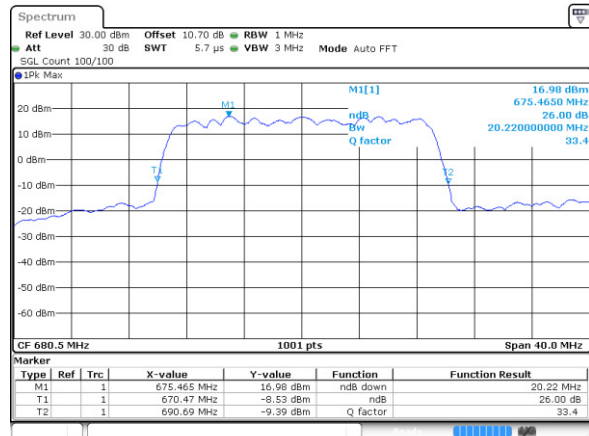
Lowest Channel / 20MHz / 64QAM



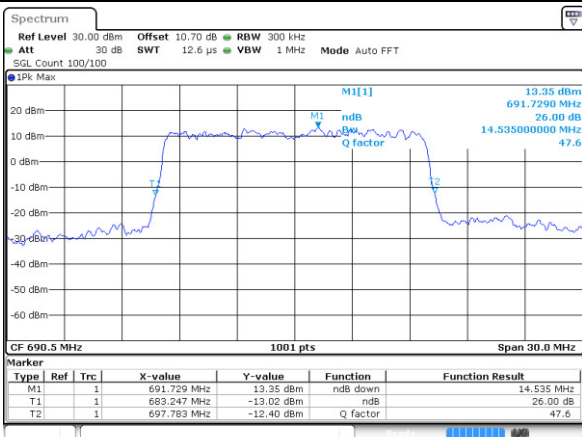
Middle Channel / 15MHz / 64QAM



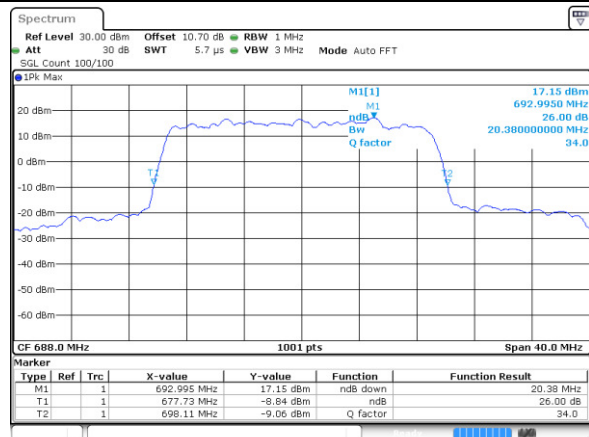
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



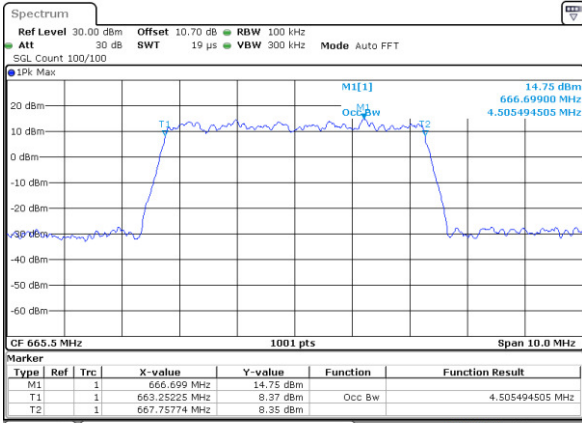
**Occupied Bandwidth**

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	-	-	-	-	4.51	4.5	9.07	8.99	13.43	13.46	18.42	18.42
Middle CH	-	-	-	-	4.5	4.5	9.05	9.11	13.46	13.43	18.54	18.22
Highest CH	-	-	-	-	4.51	4.5	9.03	9.05	13.46	13.49	18.26	18.38
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.48	-	9.05	-	13.43	-	18.46	-
Middle CH	-	-	-	-	4.48	-	8.99	-	13.43	-	18.38	-
Highest CH	-	-	-	-	4.49	-	9.07	-	13.49	-	18.46	-



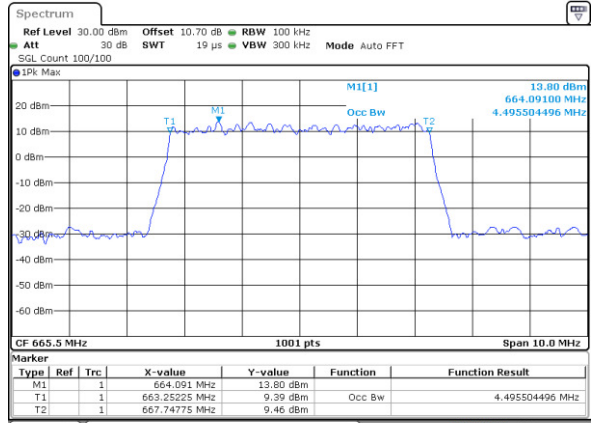
LTE Band 71

Lowest Channel / 5MHz / QPSK



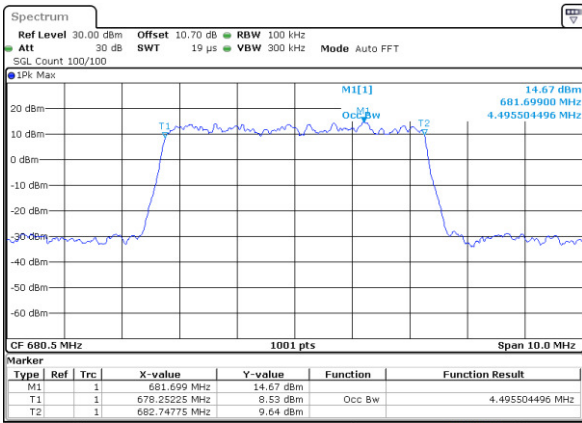
Date: 18 FEB 2018 02:53:16

Lowest Channel / 5MHz / 16QAM



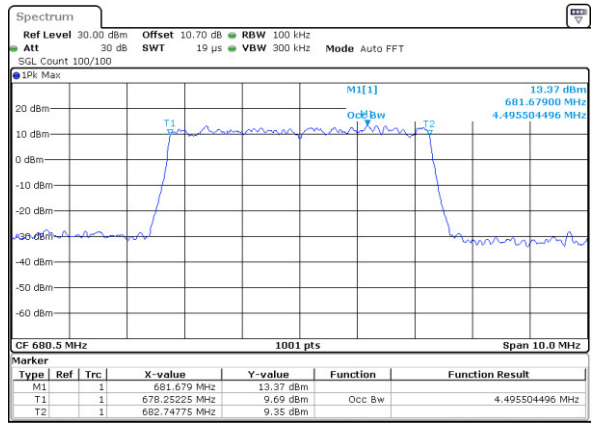
Date: 18 FEB 2018 02:54:23

Middle Channel / 5MHz / QPSK



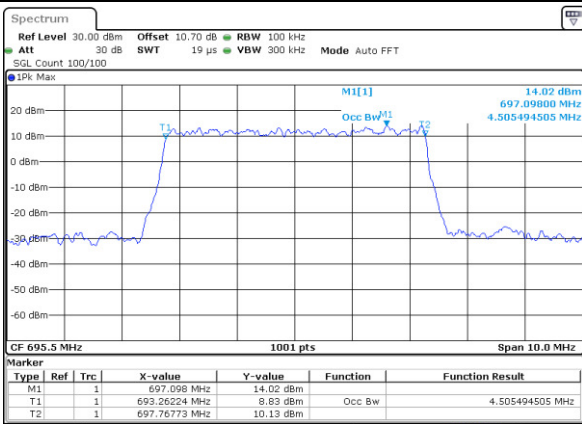
Date: 18 FEB 2018 03:19:48

Middle Channel / 5MHz / 16QAM



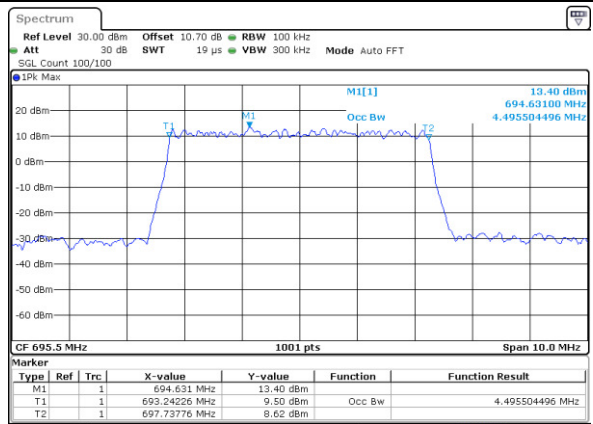
Date: 18 FEB 2018 03:17:26

Highest Channel / 5MHz / QPSK



Date: 18 FEB 2018 03:28:19

Highest Channel / 5MHz / 16QAM

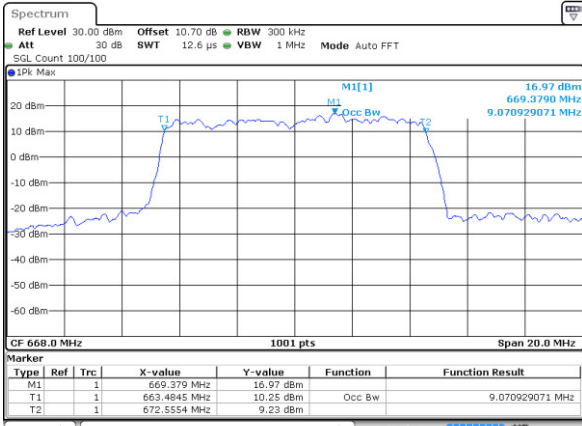


Date: 18 FEB 2018 03:30:35



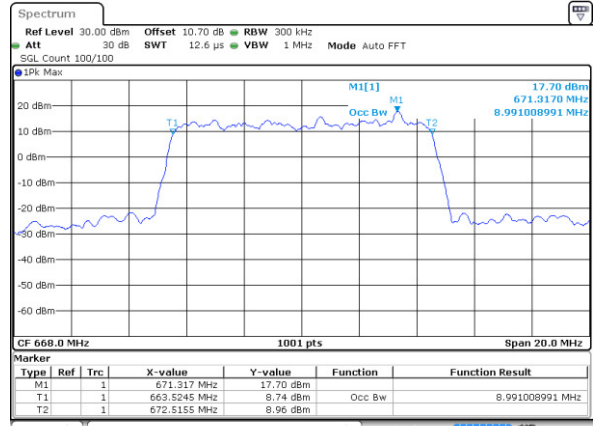
LTE Band 71

Lowest Channel / 10MHz / QPSK



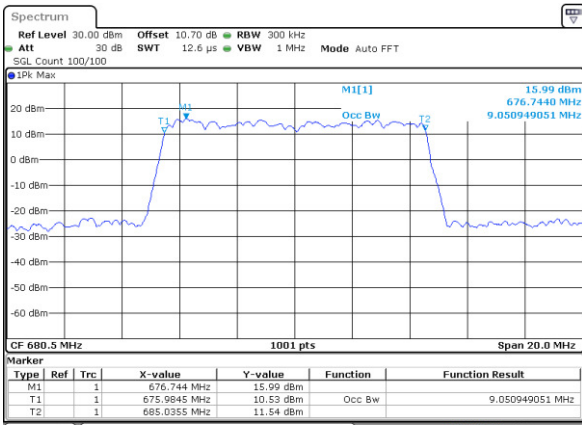
Date: 18 FEB 2018 11:03:41

Lowest Channel / 10MHz / 16QAM



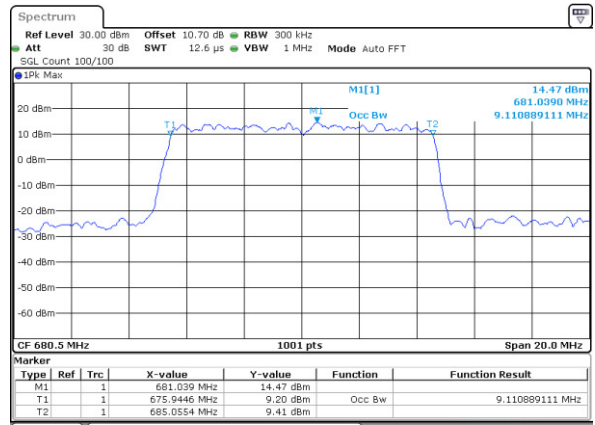
Date: 18 FEB 2018 11:02:32

Middle Channel / 10MHz / QPSK



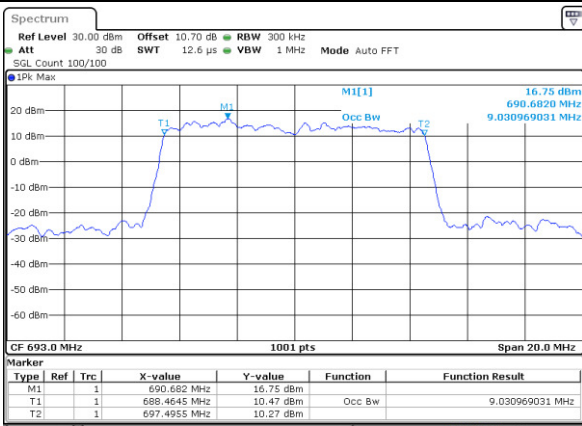
Date: 18 FEB 2018 11:08:29

Middle Channel / 10MHz / 16QAM



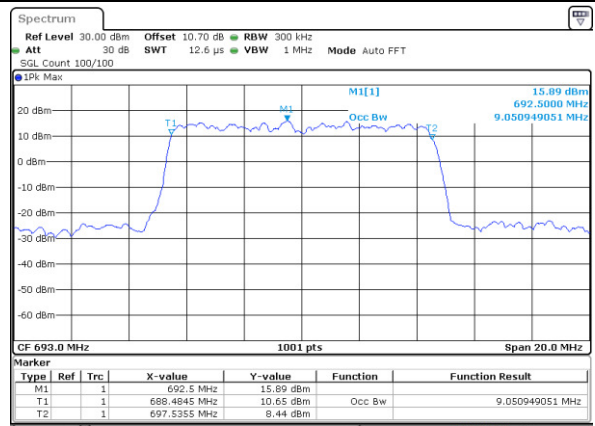
Date: 18 FEB 2018 11:09:38

Highest Channel / 10MHz / QPSK



Date: 18 FEB 2018 11:40:34

Highest Channel / 10MHz / 16QAM

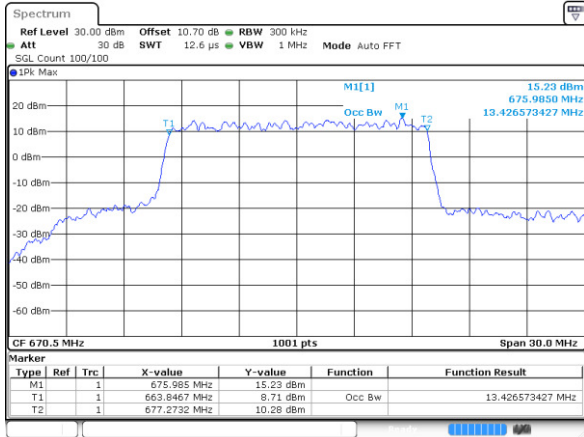


Date: 18 FEB 2018 11:39:11

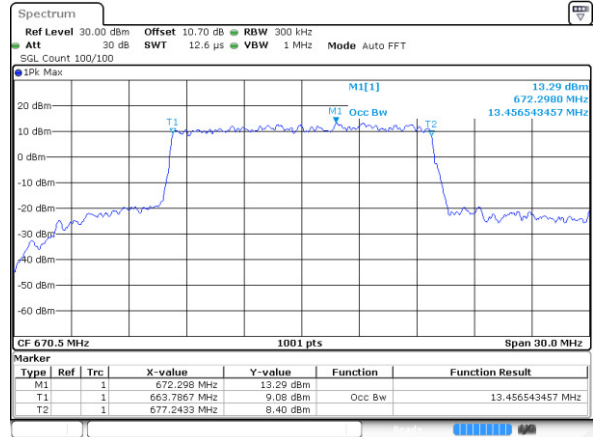


LTE Band 71

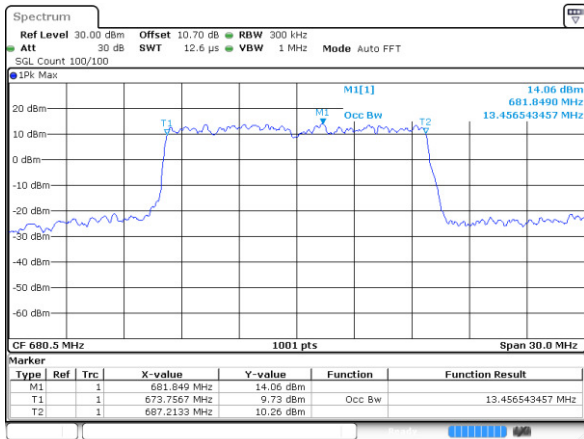
Lowest Channel / 15MHz / QPSK



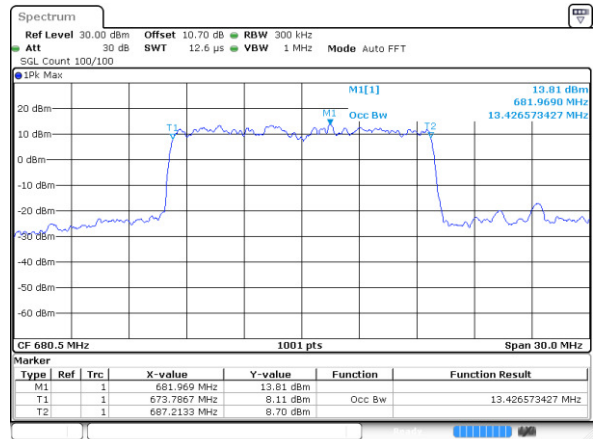
Lowest Channel / 15MHz / 16QAM



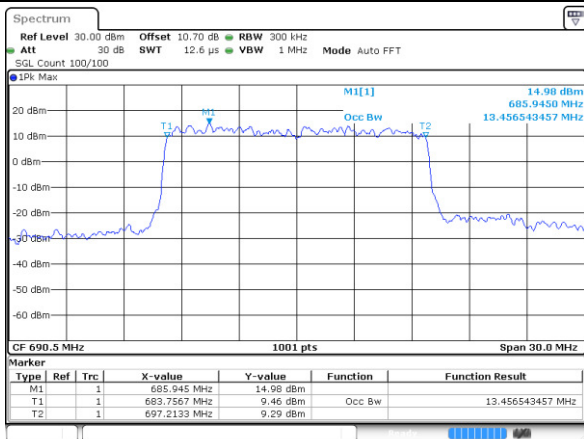
Middle Channel / 15MHz / QPSK



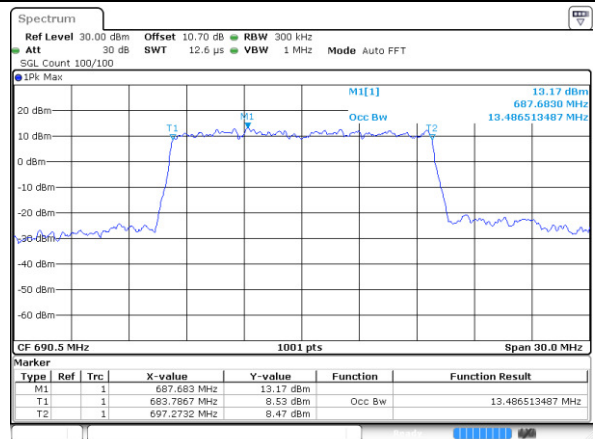
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



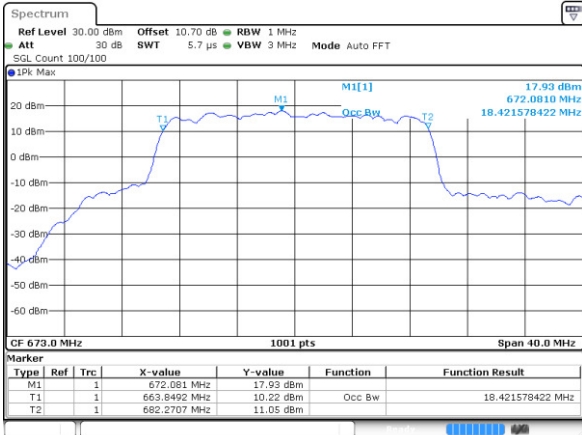
Highest Channel / 15MHz / 16QAM



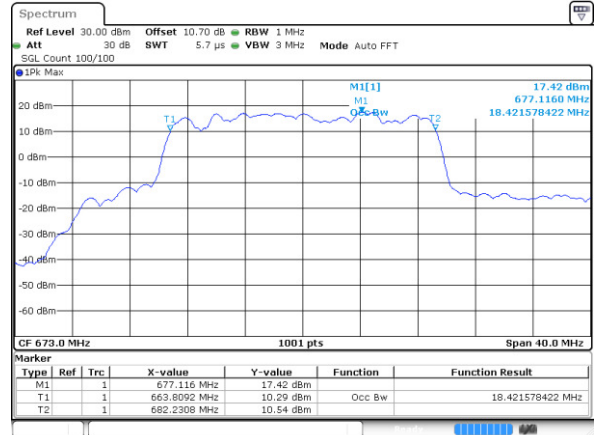


LTE Band 71

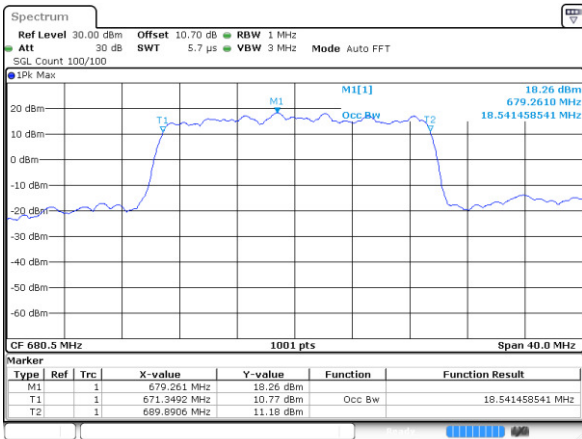
Lowest Channel / 20MHz / QPSK



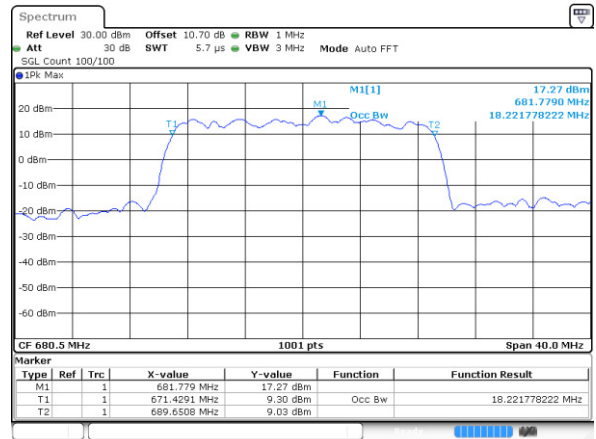
Lowest Channel / 20MHz / 16QAM



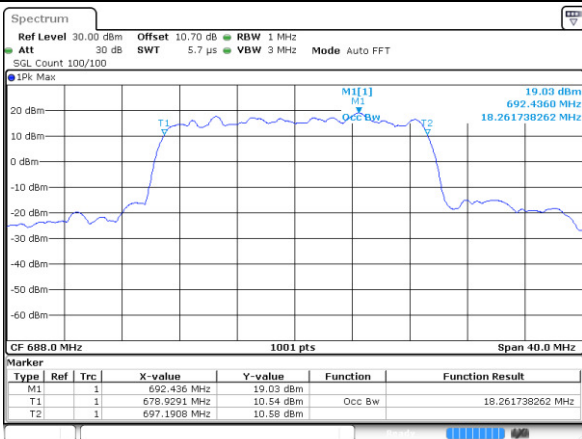
Middle Channel / 20MHz / QPSK



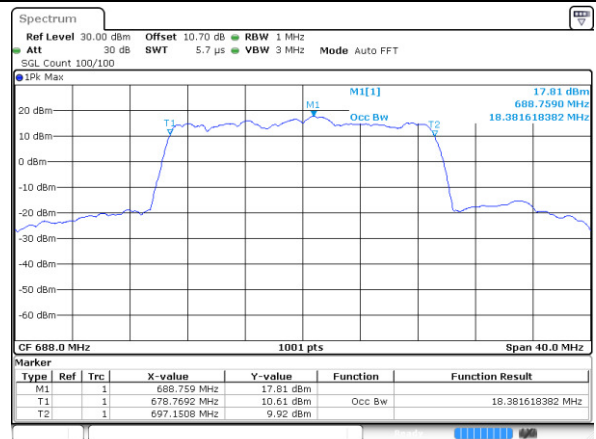
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



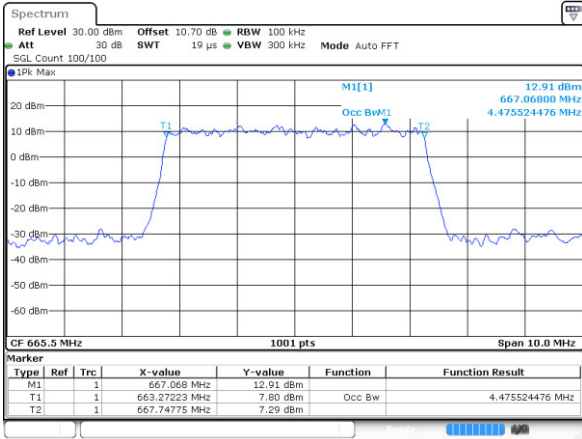
Highest Channel / 20MHz / 16QAM



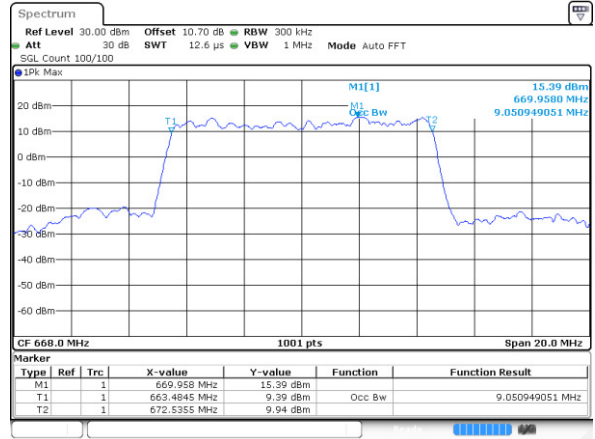


LTE Band 71

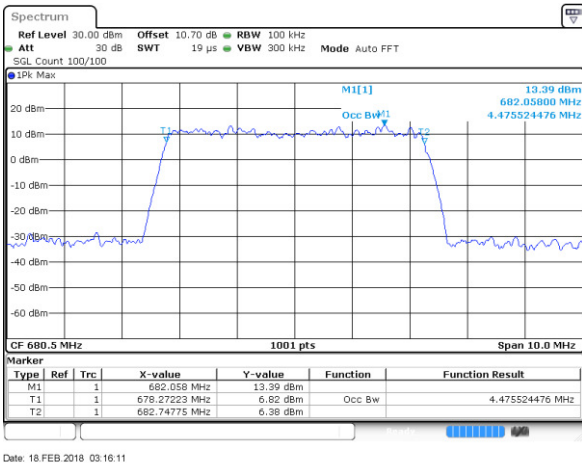
Lowest Channel / 5MHz / 64QAM



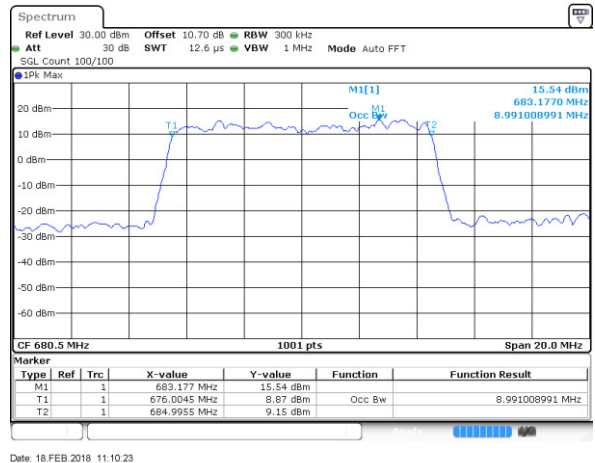
Lowest Channel / 10MHz / 64QAM



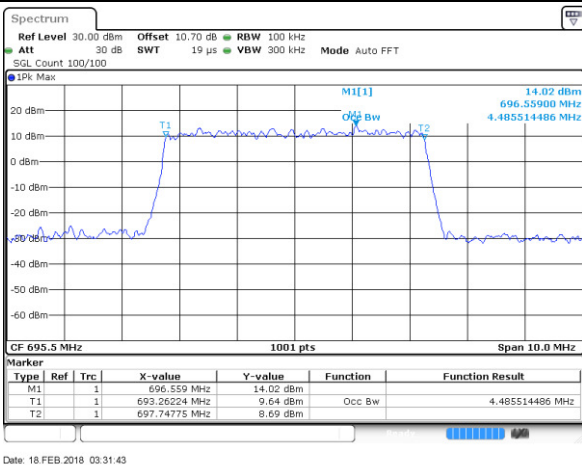
Middle Channel / 5MHz / 64QAM



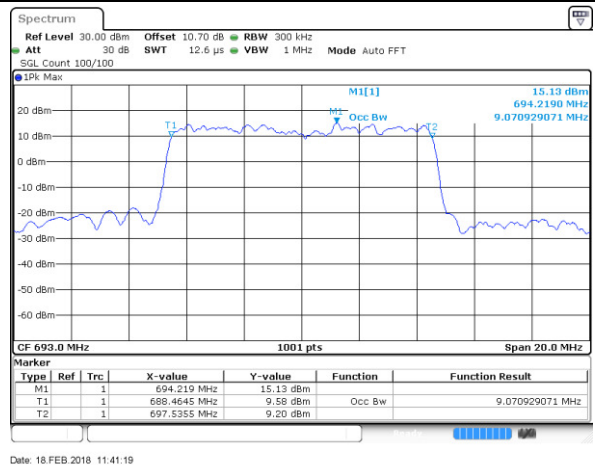
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



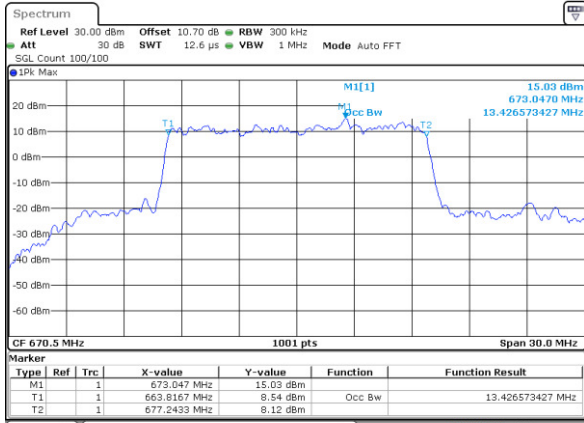
Highest Channel / 10MHz / 64QAM





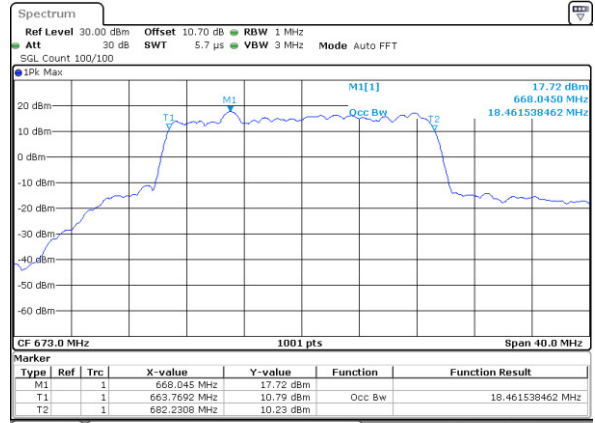
LTE Band 71

Lowest Channel / 15MHz / 64QAM



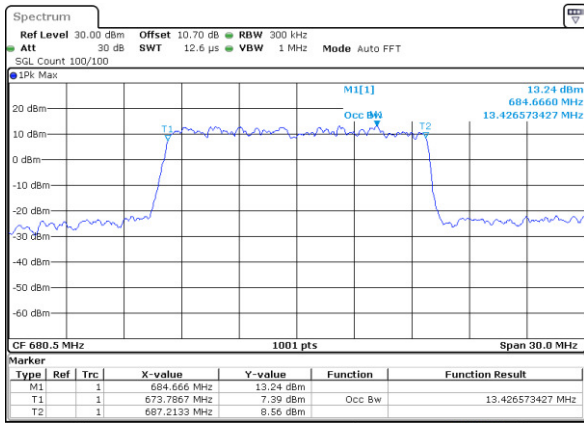
Date: 18 FEB 2018 11:56:35

Lowest Channel / 20MHz / 64QAM



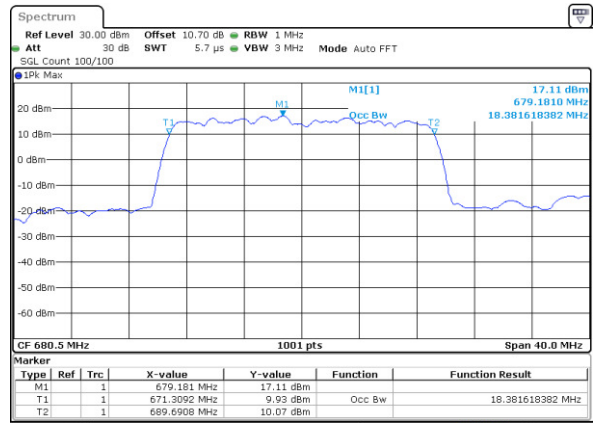
Date: 18 FEB 2018 13:24:13

Middle Channel / 15MHz / 64QAM



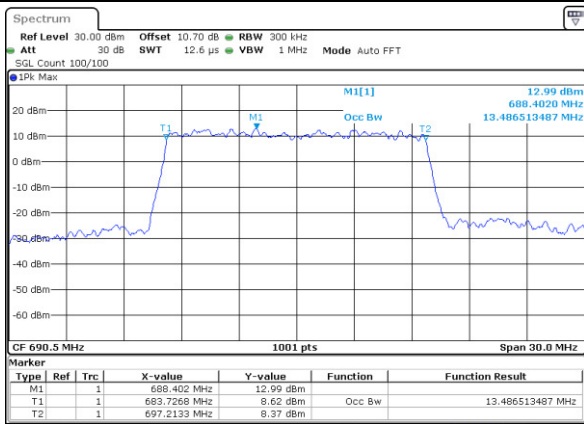
Date: 18 FEB 2018 12:14:38

Middle Channel / 20MHz / 64QAM



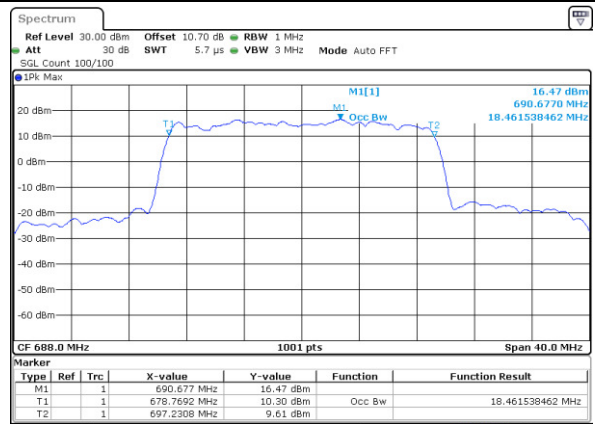
Date: 18 FEB 2018 13:36:18

Highest Channel / 15MHz / 64QAM

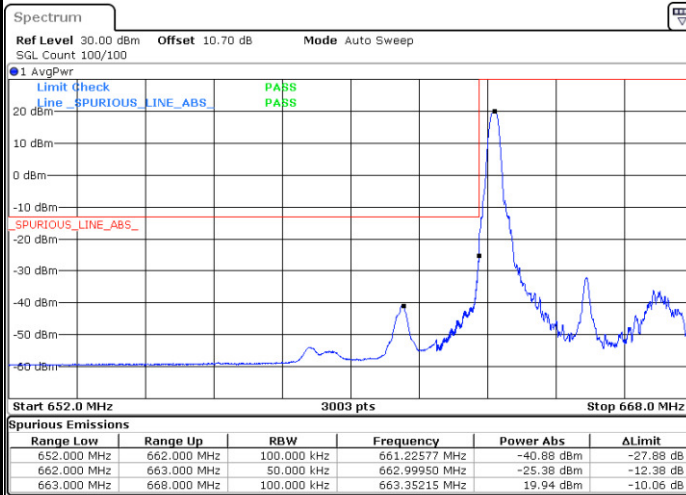
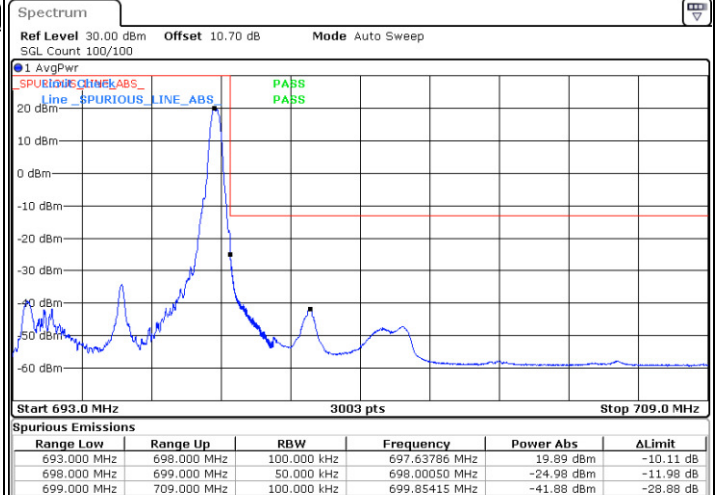
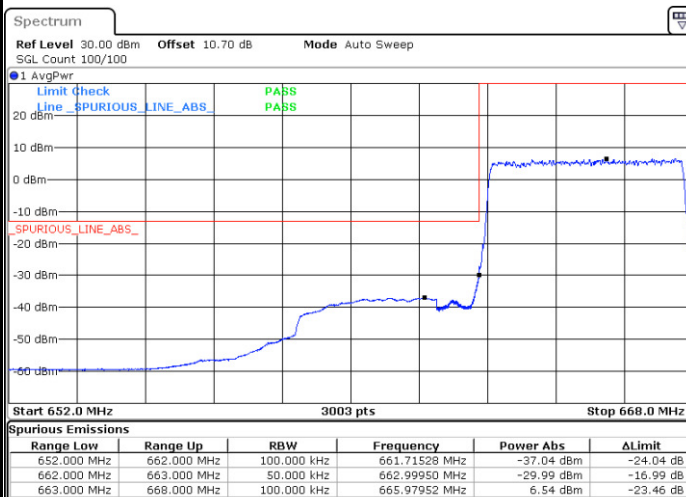
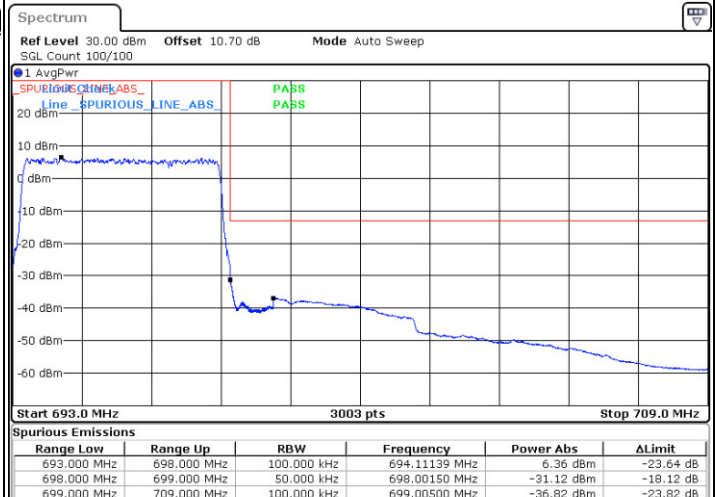


Date: 18 FEB 2018 12:46:35

Highest Channel / 20MHz / 64QAM



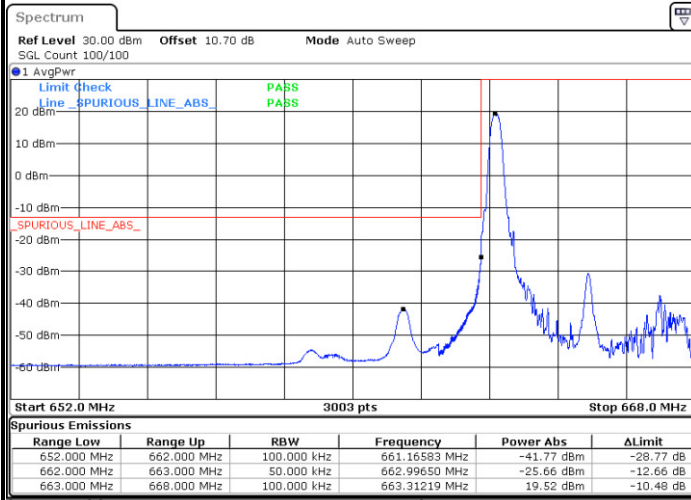
Date: 18 FEB 2018 14:20:16

**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**

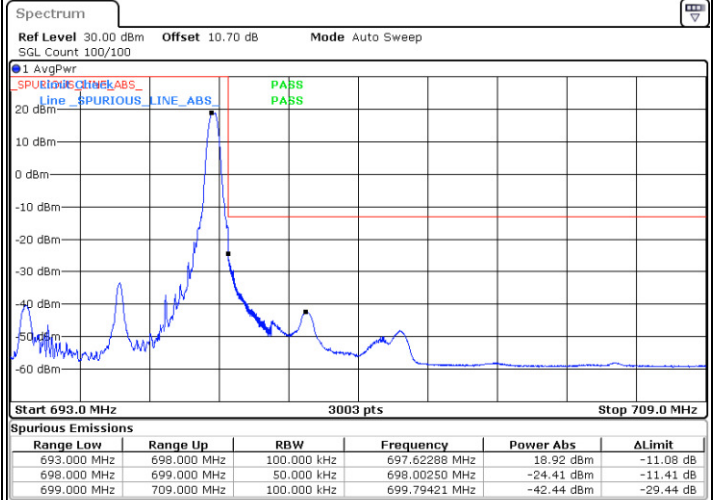


LTE Band 71 / 5MHz / 16QAM

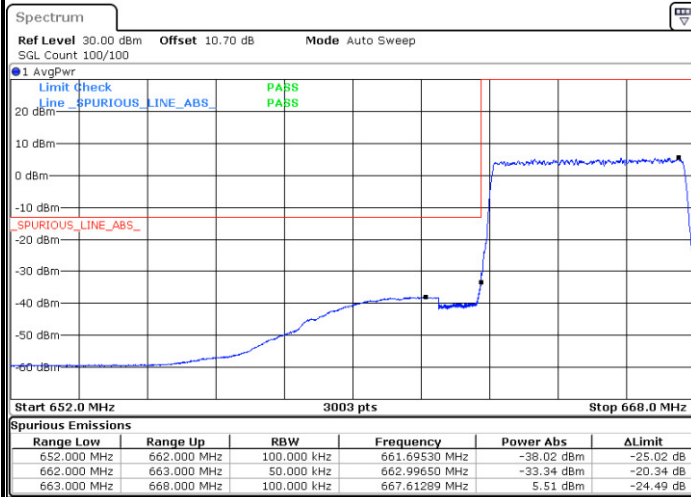
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

