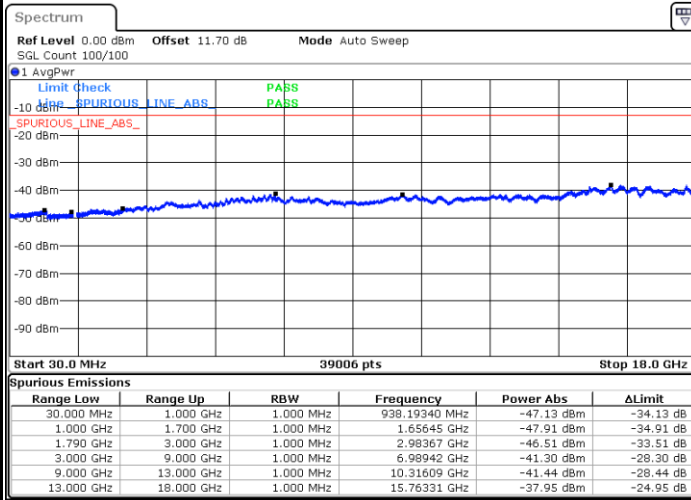




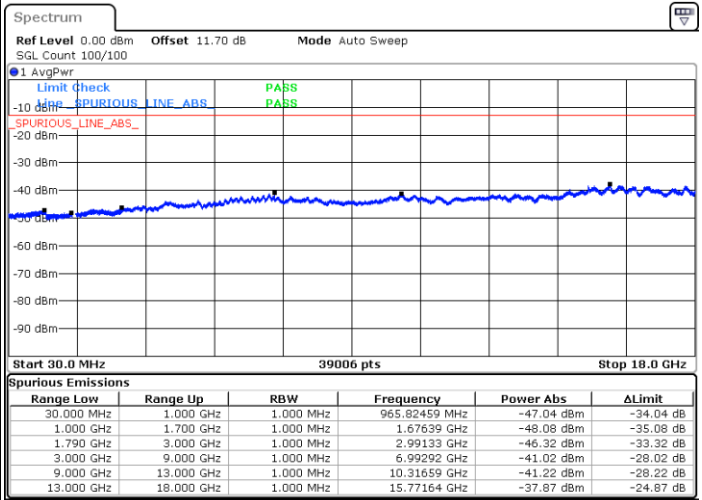
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



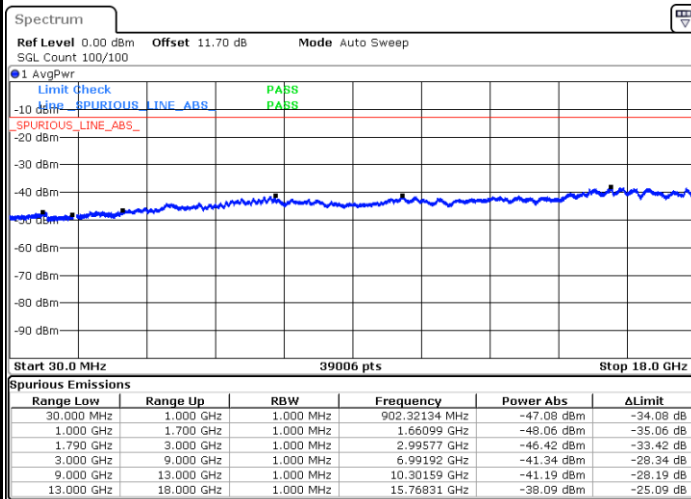
Date: 2 FEB 2018 23:48:55

Middle Channel / 64QAM



Date: 2 FEB 2018 23:50:10

Highest Channel / 64QAM

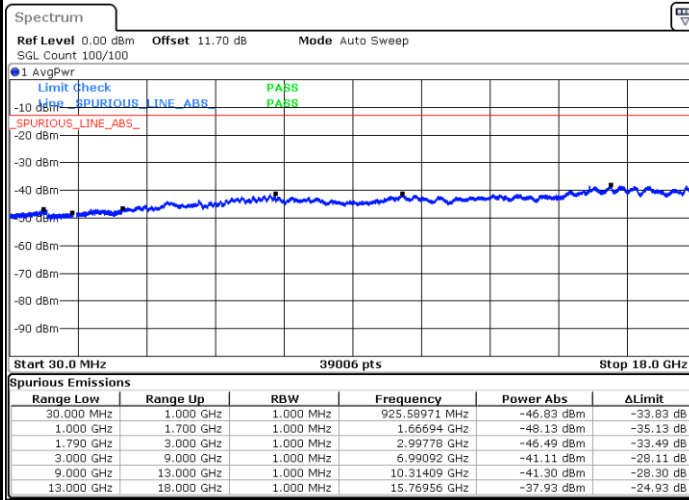


Date: 2 FEB 2018 23:53:41



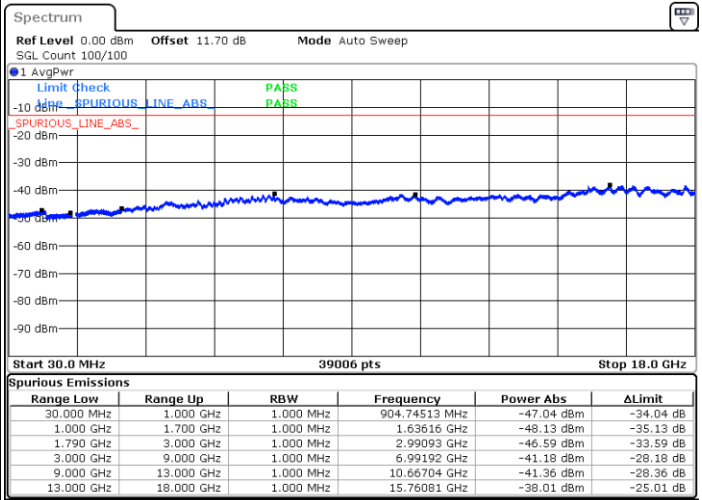
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



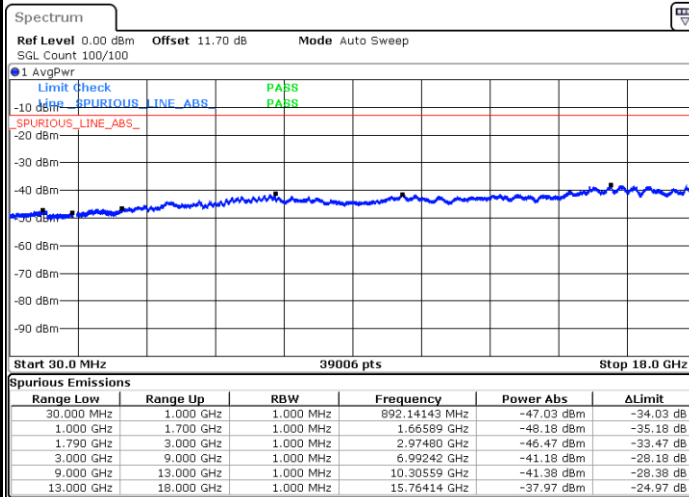
Date: 2 FEB 2018 23:57:14

Middle Channel / 64QAM



Date: 2 FEB 2018 23:58:28

Highest Channel / 64QAM

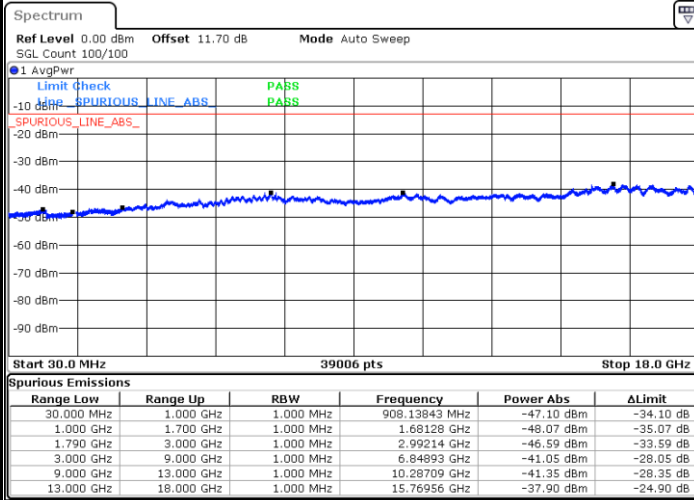


Date: 3 FEB 2018 00:02:00



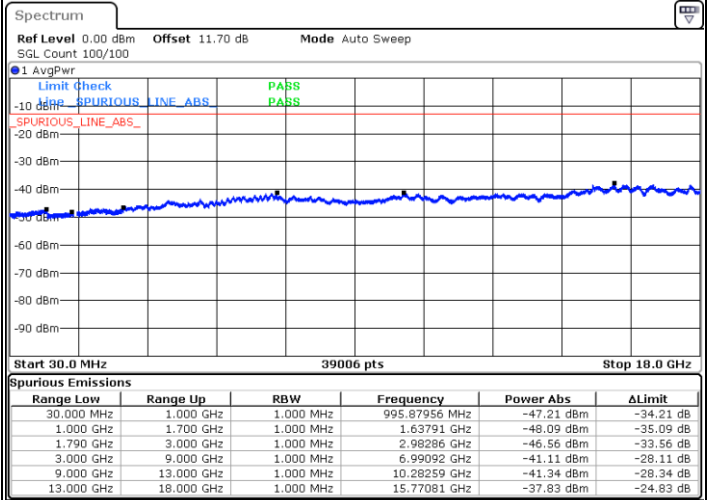
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



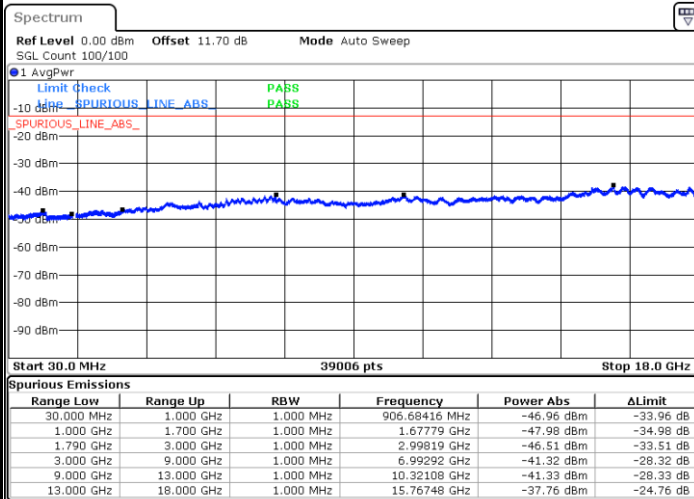
Date: 3.FEB.2018 00:05:32

Middle Channel / 64QAM



Date: 3.FEB.2018 00:06:47

Highest Channel / 64QAM

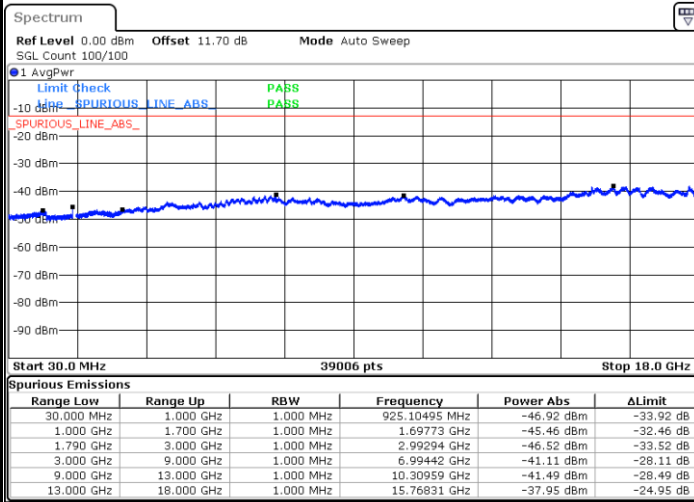


Date: 3.FEB.2018 00:10:19



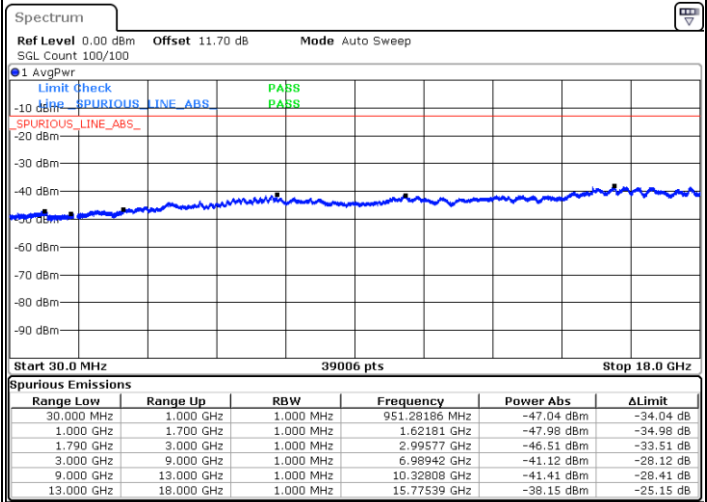
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



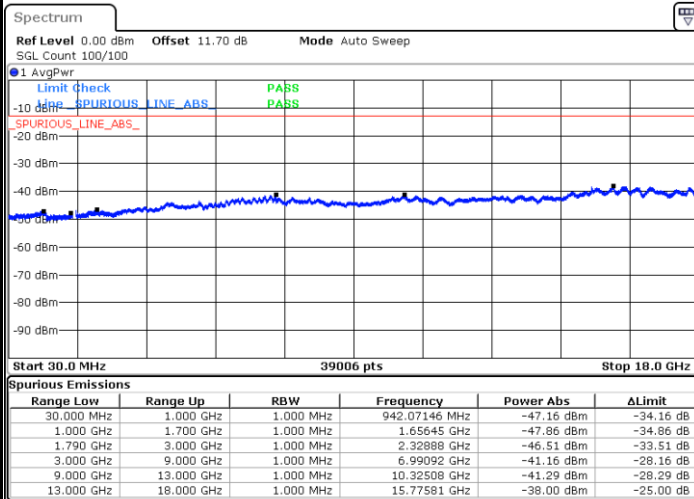
Date: 3.FEB.2018 00:13:51

Middle Channel / 64QAM



Date: 3.FEB.2018 00:15:06

Highest Channel / 64QAM

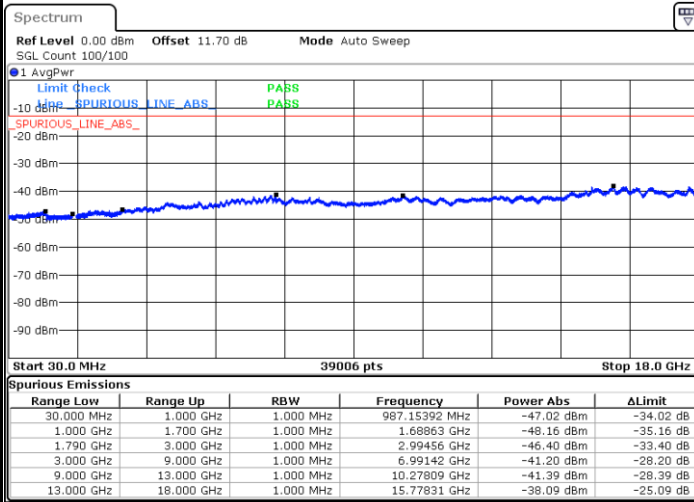


Date: 3.FEB.2018 00:18:38



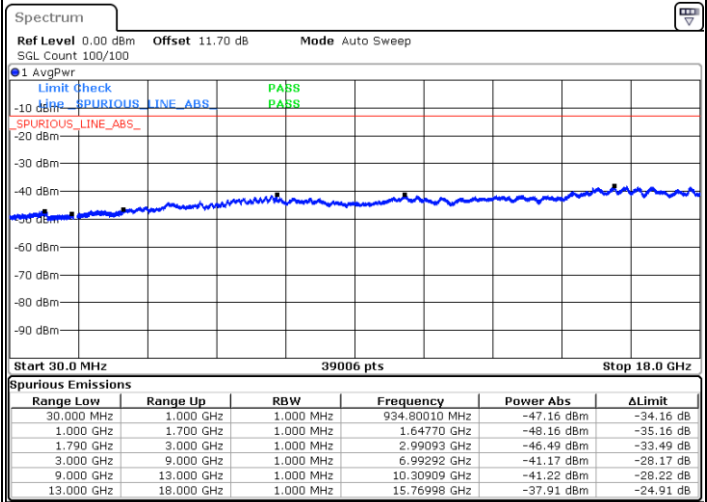
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



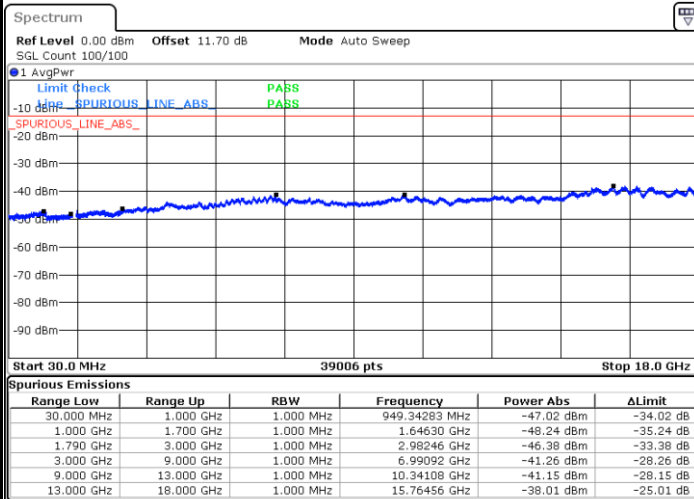
Date: 3.FEB.2018 00:22:10

Middle Channel / 64QAM



Date: 3.FEB.2018 00:23:24

Highest Channel / 64QAM



Date: 3.FEB.2018 00:26:56

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	0.0001	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 71

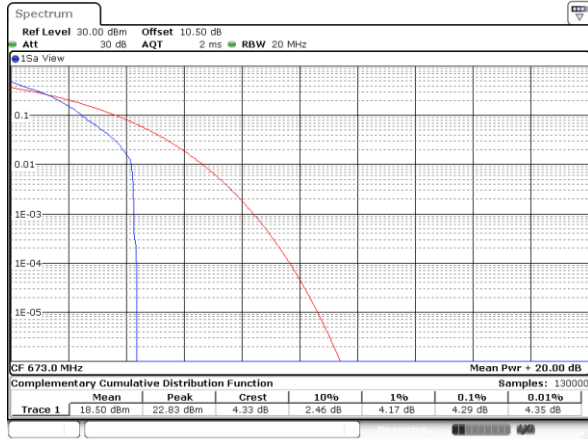
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.29	4.78	4.87	5.74	PASS
Middle CH	4.32	4.78	4.9	5.65	
Highest CH	4.55	4.84	5.54	5.8	
Mode	LTE Band 71 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.22	5.83	-	-	PASS
Middle CH	5.07	5.77	-	-	
Highest CH	5.39	5.86	-	-	

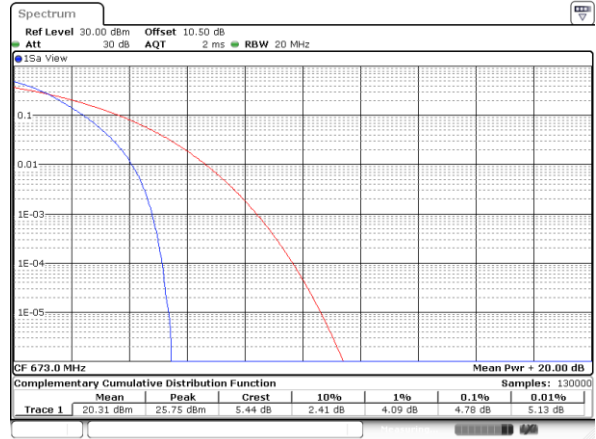


LTE Band 71 / 20MHz / QPSK

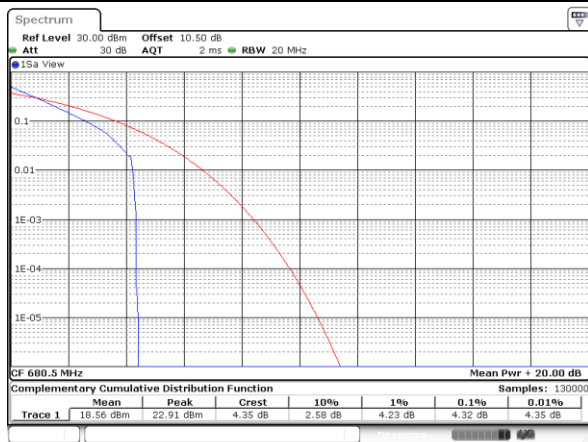
Lowest Channel / 1RB



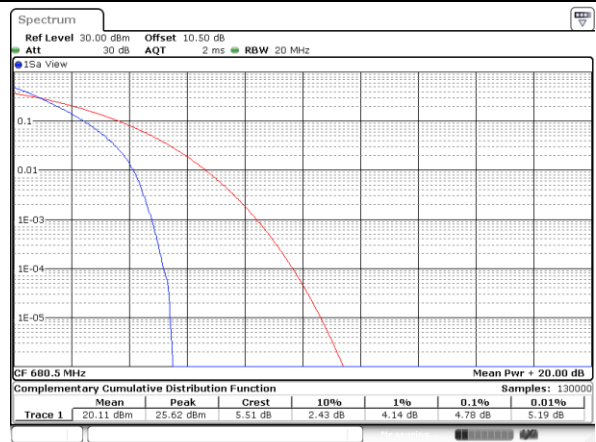
Lowest Channel / Full RB



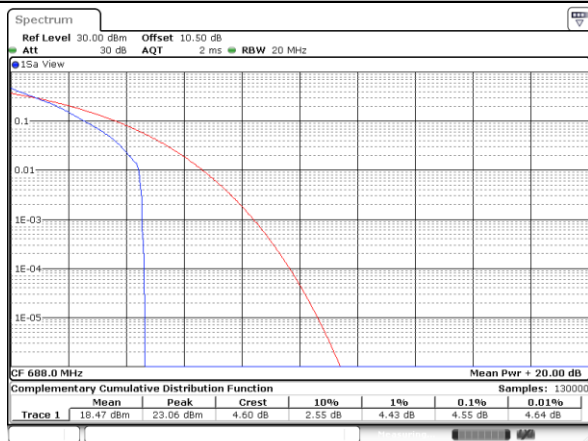
Middle Channel / 1RB



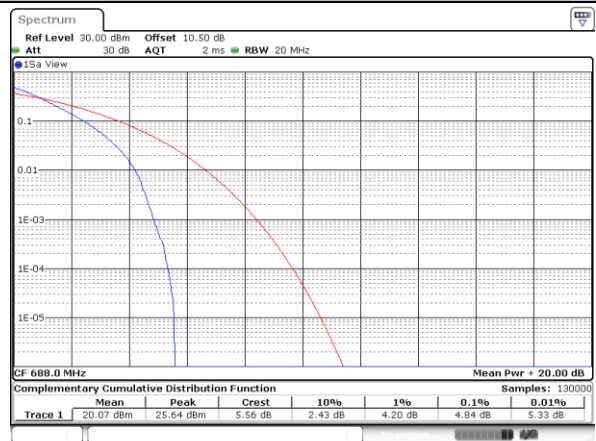
Middle Channel / Full RB

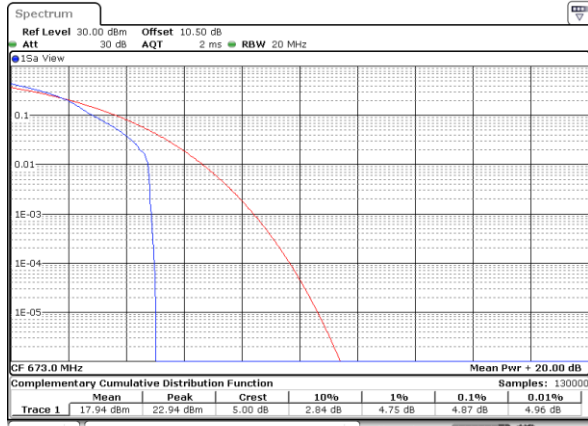


Highest Channel / 1RB

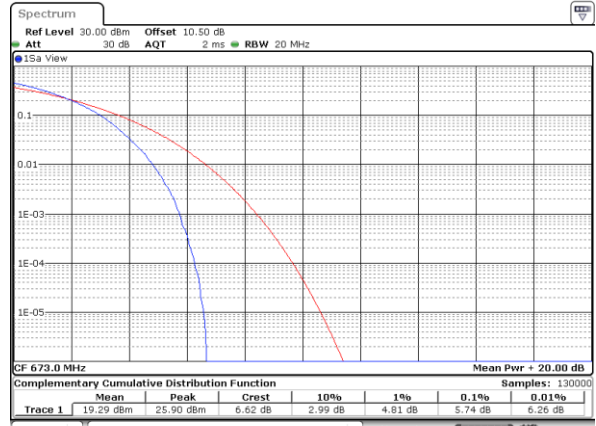


Highest Channel / Full RB

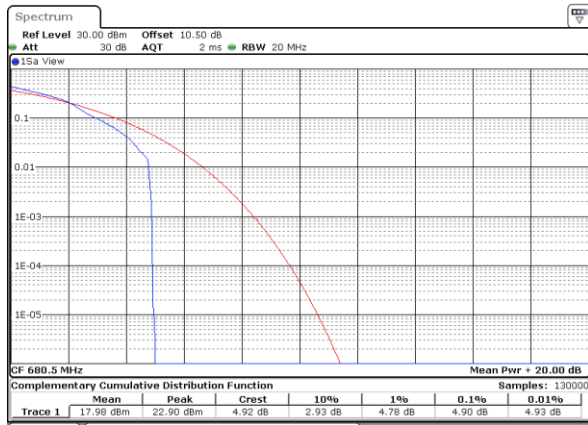


LTE Band 71 / 20MHz / 16QAM
Lowest Channel / 1RB


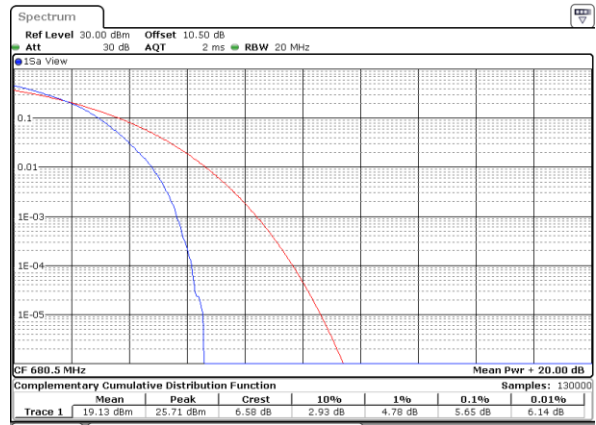
Date: 12 JAN 2018 01:10:10

Lowest Channel / Full RB


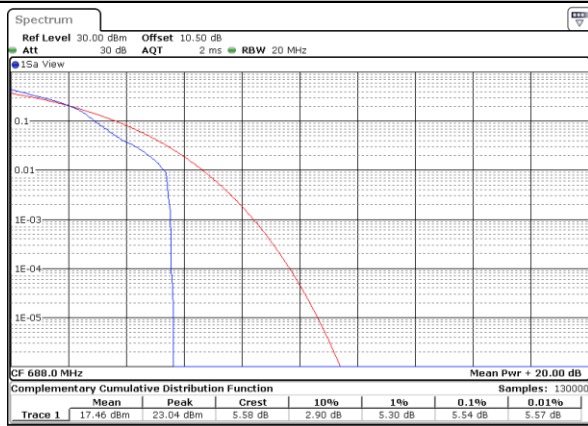
Date: 12 JAN 2018 01:11:05

Middle Channel / 1RB


Date: 12 JAN 2018 01:09:38

Middle Channel / Full RB


Date: 12 JAN 2018 01:08:52

Highest Channel / 1RB


Date: 12 JAN 2018 01:07:07

Highest Channel / Full RB


Date: 12 JAN 2018 01:08:15

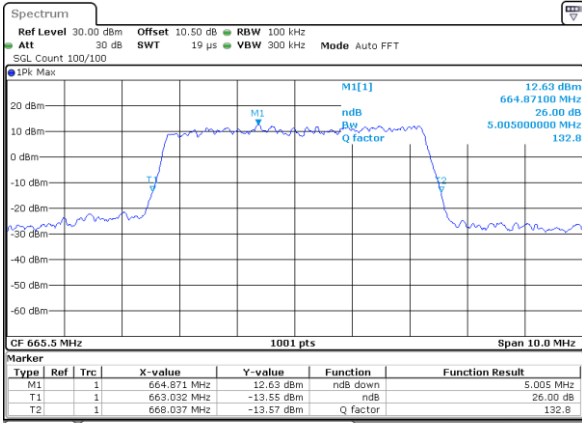
**26dB Bandwidth**

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	-	-	-	-	5.01	4.97	9.65	9.81	14.21	14.63	20.18	20.18
Middle CH	-	-	-	-	4.90	4.94	9.83	9.91	14.36	14.21	20.18	20.1
Highest CH	-	-	-	-	4.92	5.02	9.87	9.77	14.45	14.48	20.1	20.14
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.89	-	9.93	-	14.36	-	20.18	-
Middle CH	-	-	-	-	4.95	-	9.83	-	14.33	-	20.10	-
Highest CH	-	-	-	-	4.95	-	10.03	-	14.60	-	20.14	-



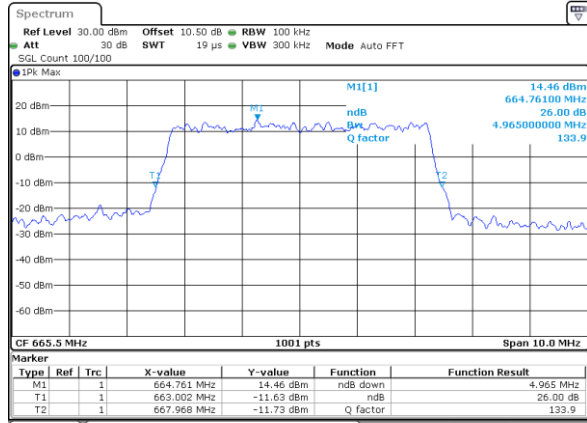
LTE Band 71

Lowest Channel / 5MHz / QPSK



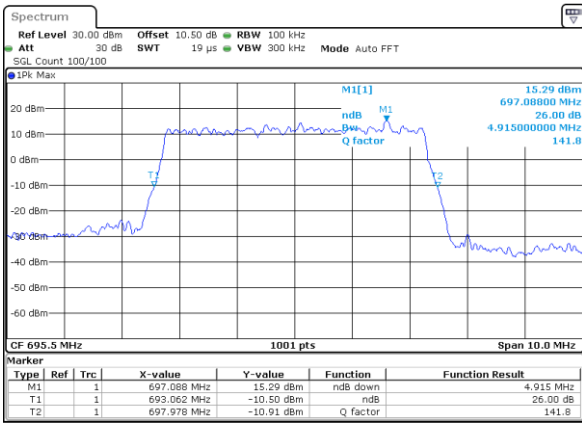
Date: 11 JAN 2018 22:27:04

Lowest Channel / 5MHz / 16QAM



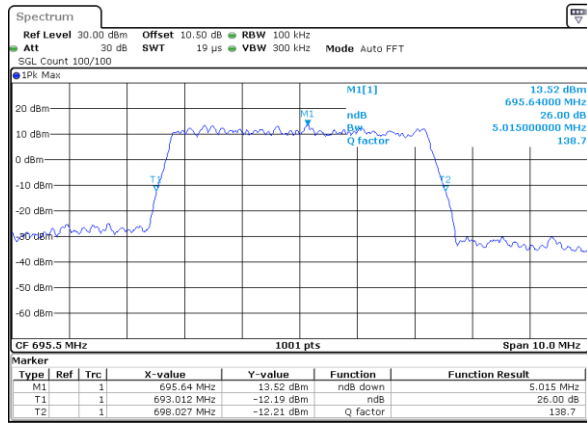
Date: 11 JAN 2018 22:27:55

Middle Channel / 5MHz / QPSK



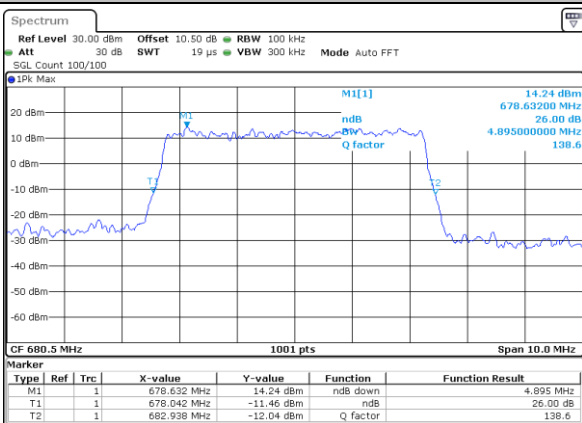
Date: 11 JAN 2018 23:04:08

Middle Channel / 5MHz / 16QAM



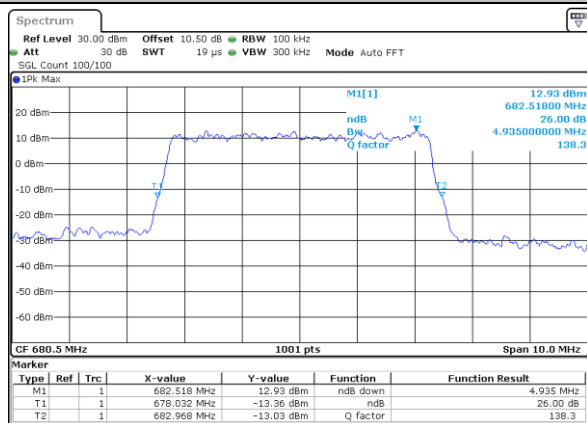
Date: 11 JAN 2018 23:07:21

Highest Channel / 5MHz / QPSK



Date: 11 JAN 2018 22:49:47

Highest Channel / 5MHz / 16QAM

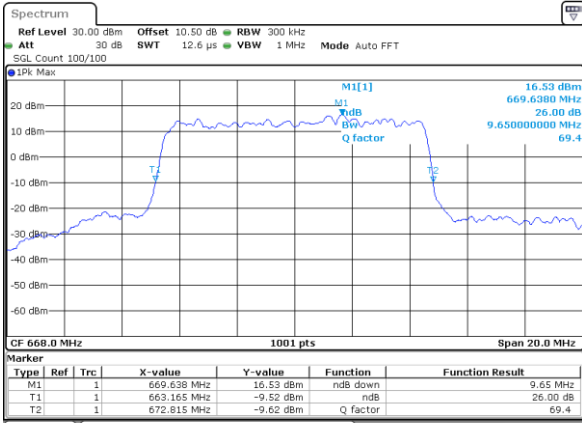


Date: 11 JAN 2018 22:49:15



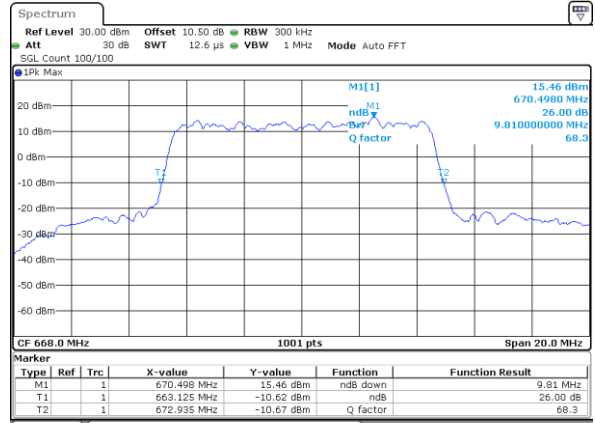
LTE Band 71

Lowest Channel / 10MHz / QPSK



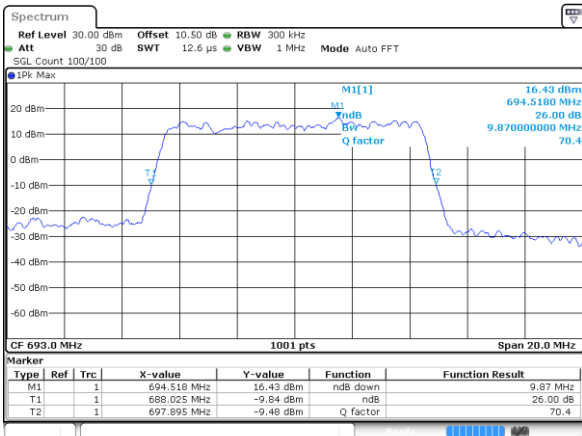
Date: 11 JAN 2018 23:24:50

Lowest Channel / 10MHz / 16QAM



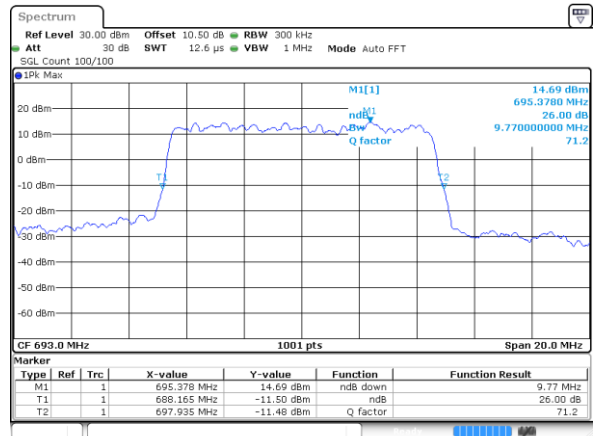
Date: 11 JAN 2018 23:22:48

Middle Channel / 10MHz / QPSK



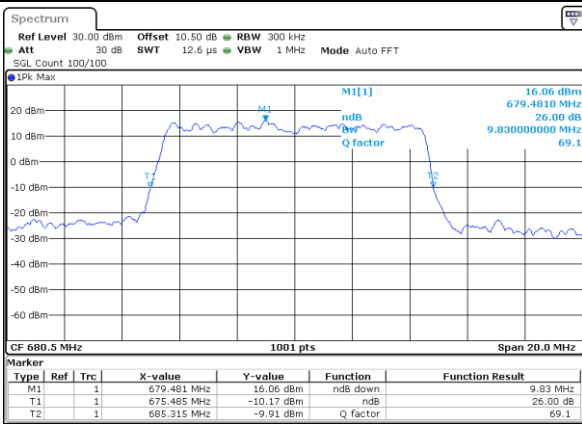
Date: 12 JAN 2018 00:04:14

Middle Channel / 10MHz / 16QAM



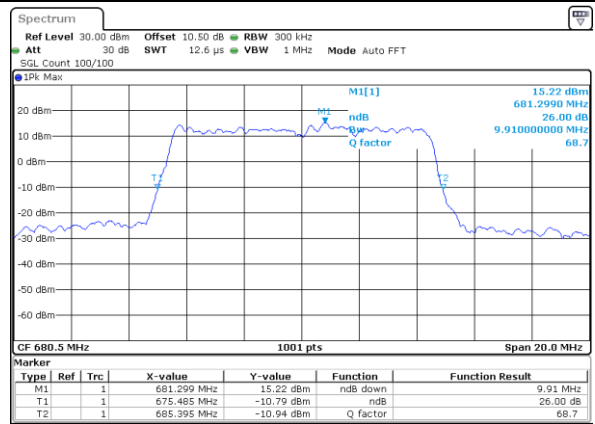
Date: 12 JAN 2018 00:07:17

Highest Channel / 10MHz / QPSK



Date: 12 JAN 2018 00:03:21

Highest Channel / 10MHz / 16QAM

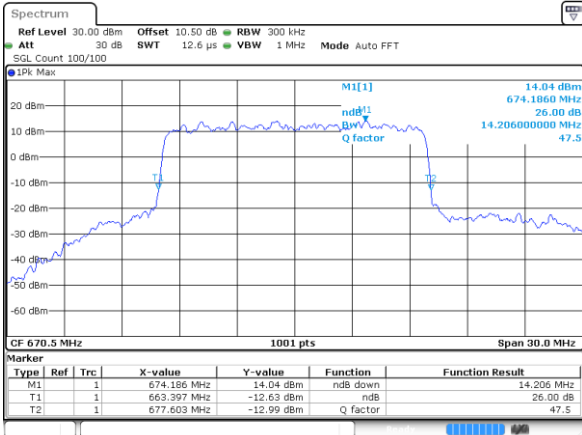


Date: 12 JAN 2018 00:02:34

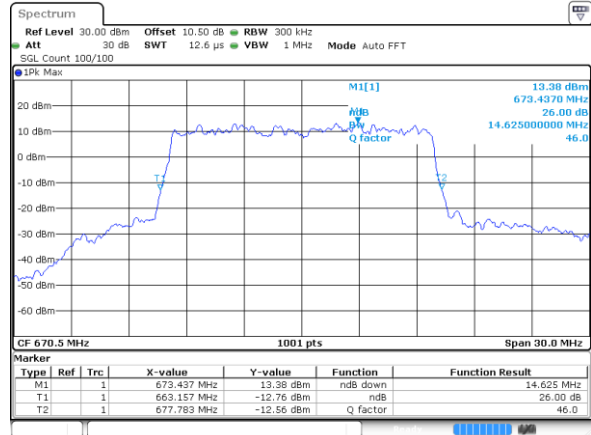


LTE Band 71

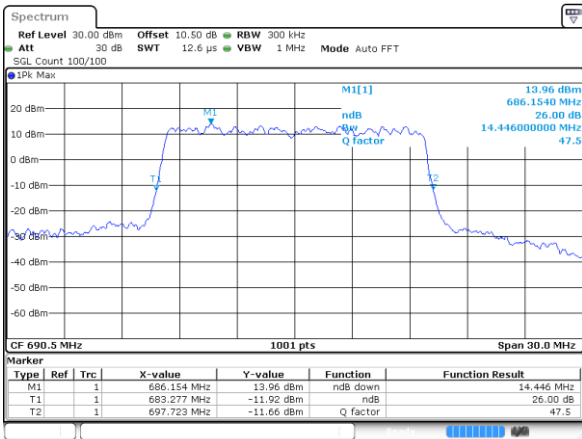
Lowest Channel / 15MHz / QPSK



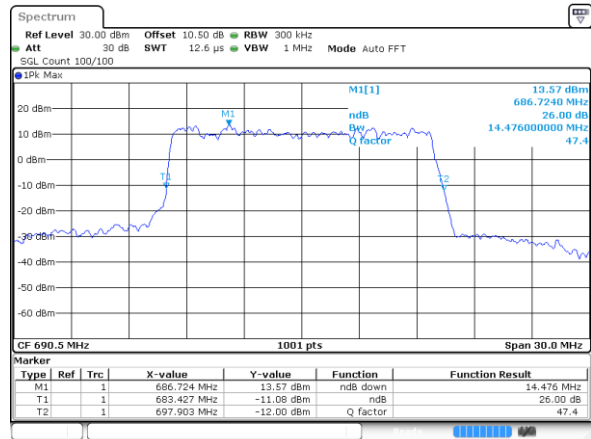
Lowest Channel / 15MHz / 16QAM



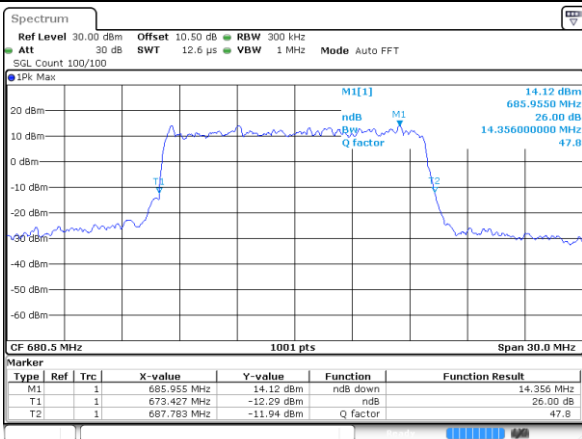
Middle Channel / 15MHz / QPSK



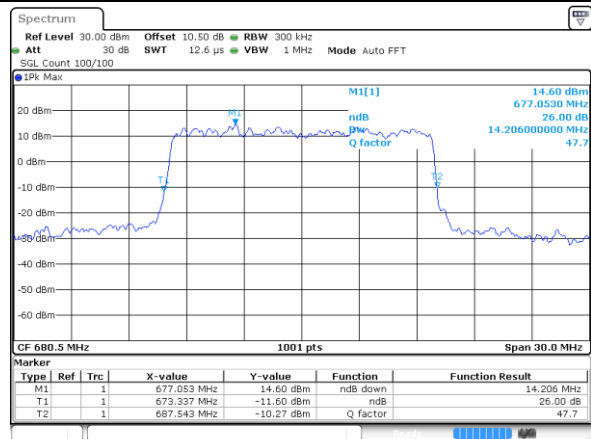
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



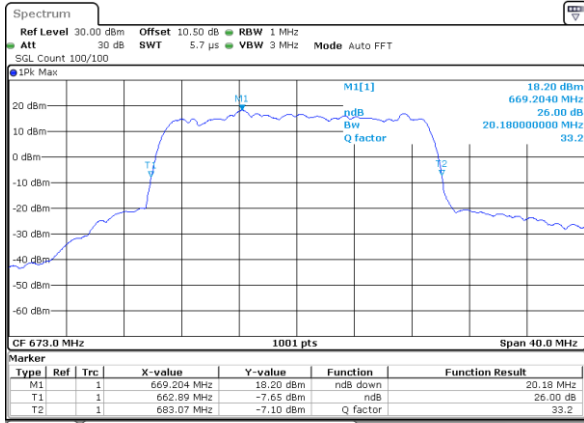
Highest Channel / 15MHz / 16QAM



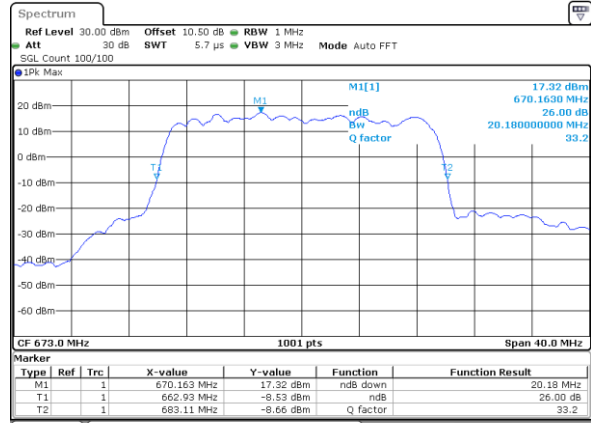


LTE Band 71

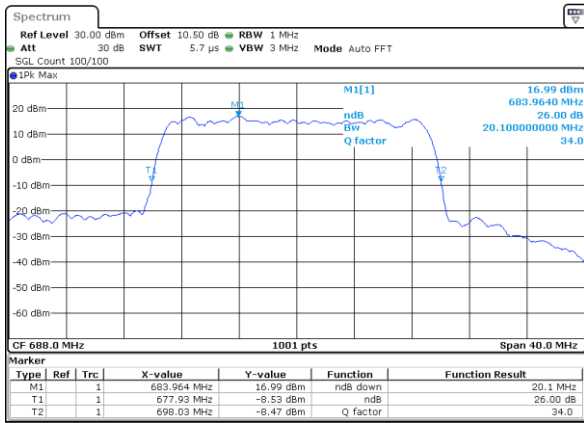
Lowest Channel / 20MHz / QPSK



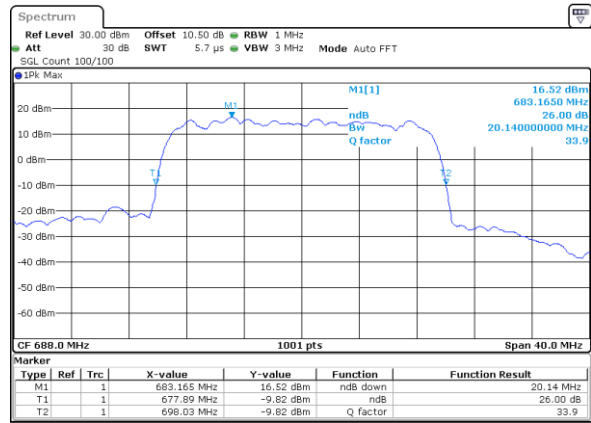
Lowest Channel / 20MHz / 16QAM



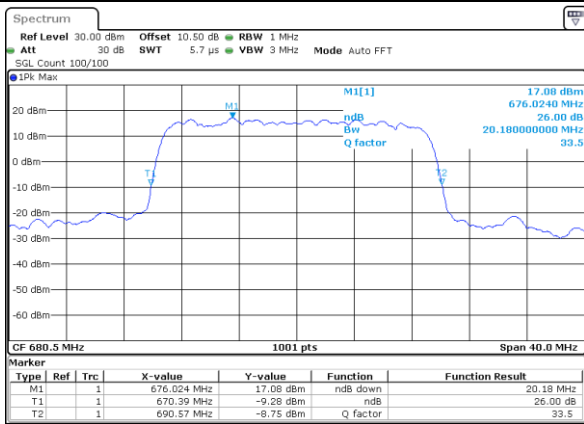
Middle Channel / 20MHz / QPSK



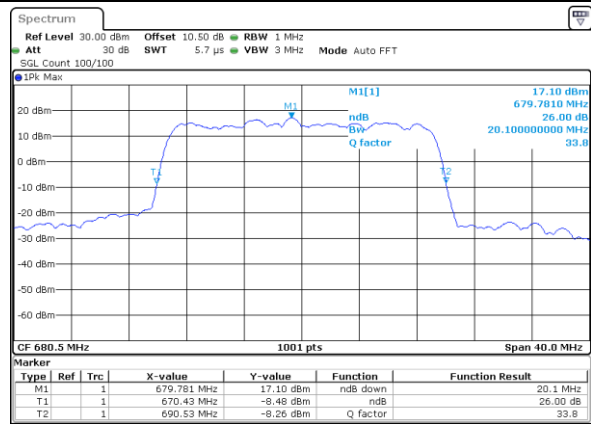
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM



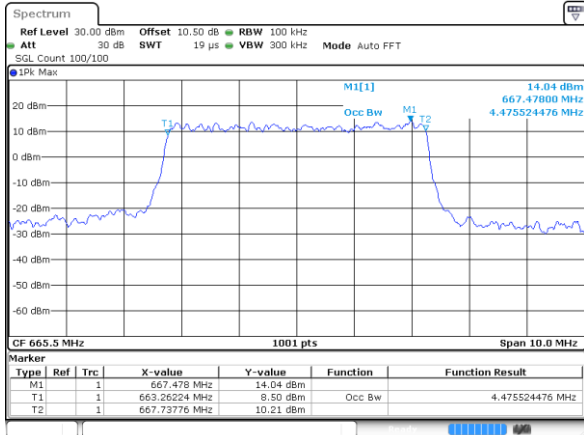
**Occupied Bandwidth**

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	4.49	9.03	9.01	13.4	13.43	18.34	18.34
Middle CH	-	-	-	-	4.5	4.49	9.01	9.03	13.49	13.43	18.38	18.42
Highest CH	-	-	-	-	4.49	4.5	9.03	9.01	13.43	13.4	18.42	18.42
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	-	9.01	-	13.40	-	18.26	-
Middle CH	-	-	-	-	4.50	-	8.97	-	13.43	-	18.34	-
Highest CH	-	-	-	-	4.49	-	9.03	-	13.46	-	18.30	-



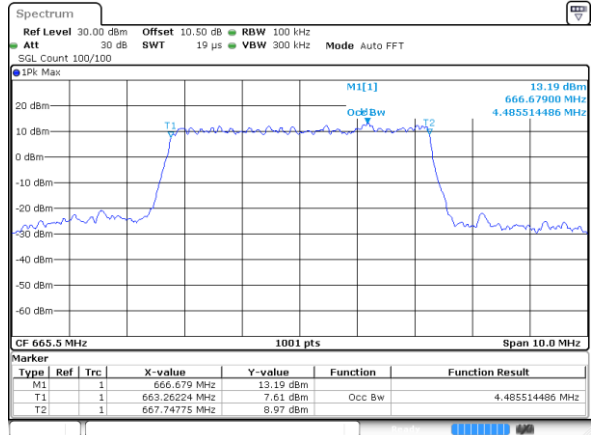
LTE Band 71

Lowest Channel / 5MHz / QPSK



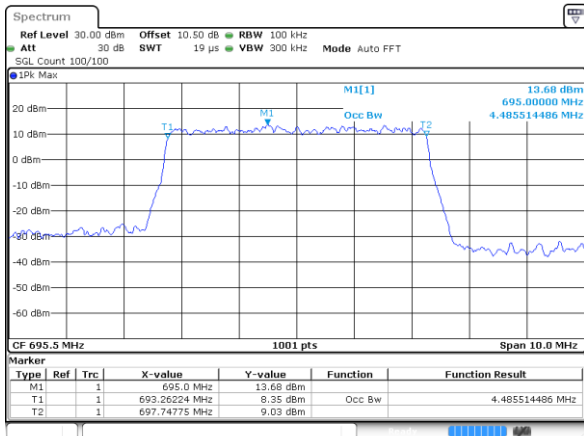
Date: 11 JAN 2018 22:29:11

Lowest Channel / 5MHz / 16QAM



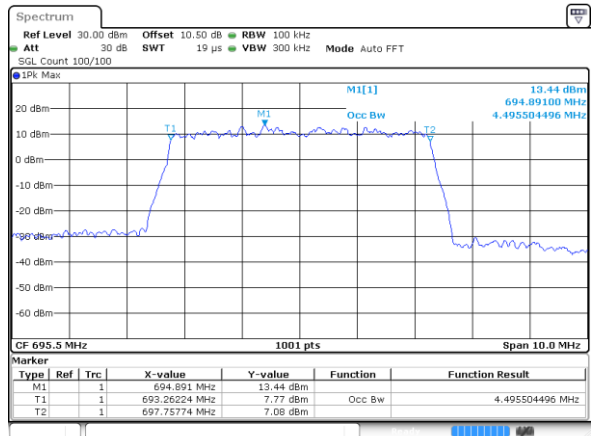
Date: 11 JAN 2018 22:28:36

Middle Channel / 5MHz / QPSK



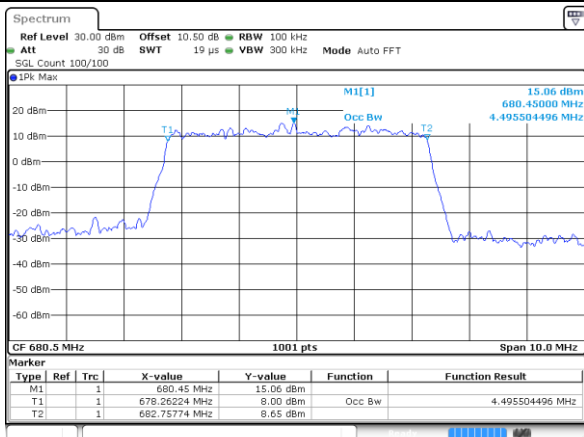
Date: 11 JAN 2018 23:01:10

Middle Channel / 5MHz / 16QAM



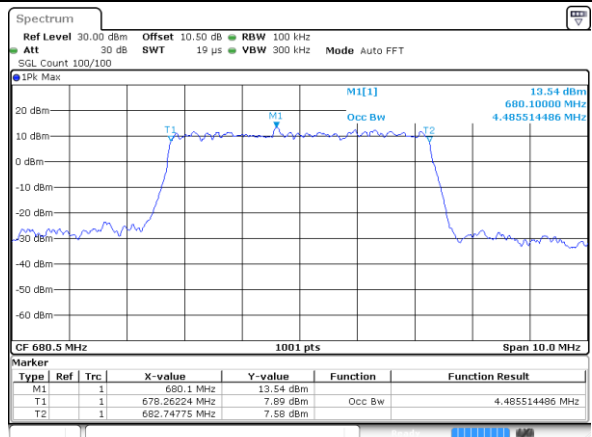
Date: 11 JAN 2018 23:06:58

Highest Channel / 5MHz / QPSK



Date: 11 JAN 2018 22:49:35

Highest Channel / 5MHz / 16QAM

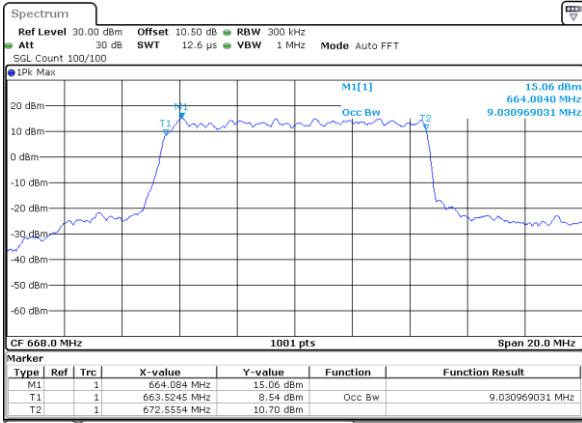


Date: 11 JAN 2018 22:49:05



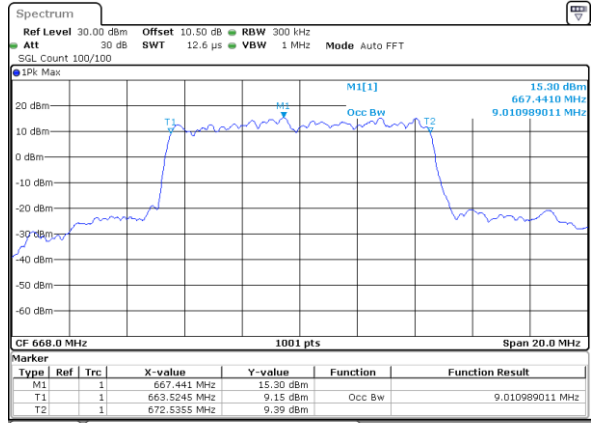
LTE Band 71

Lowest Channel / 10MHz / QPSK



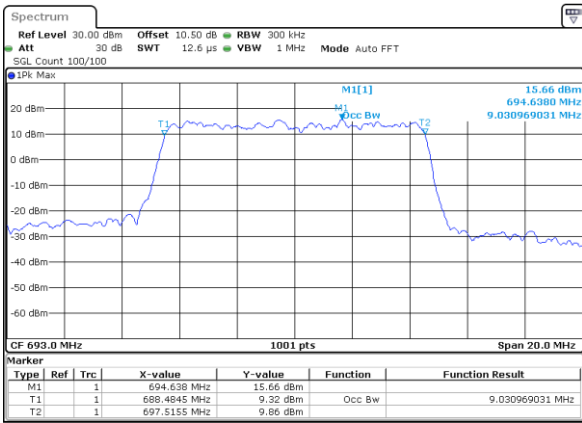
Date: 11 JAN 2018 23:24:37

Lowest Channel / 10MHz / 16QAM



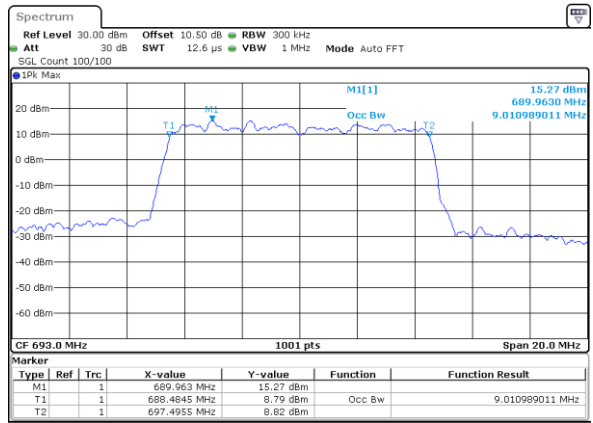
Date: 11 JAN 2018 23:20:44

Middle Channel / 10MHz / QPSK



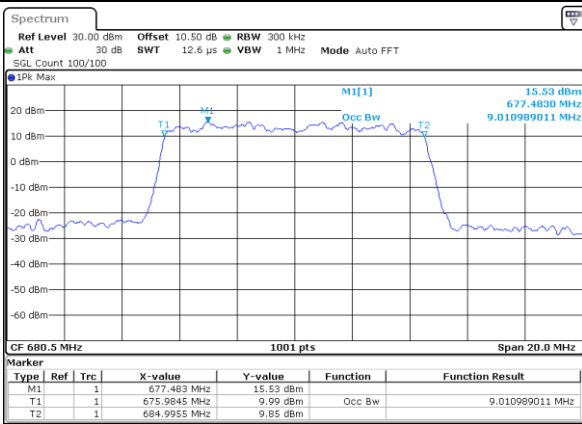
Date: 12 JAN 2018 00:04:03

Middle Channel / 10MHz / 16QAM



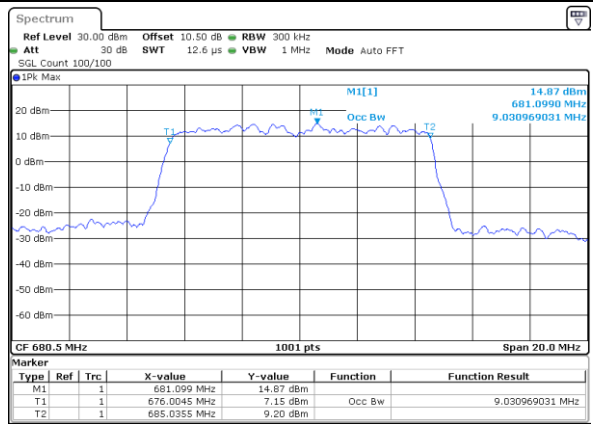
Date: 12 JAN 2018 00:07:07

Highest Channel / 10MHz / QPSK



Date: 12 JAN 2018 00:03:05

Highest Channel / 10MHz / 16QAM

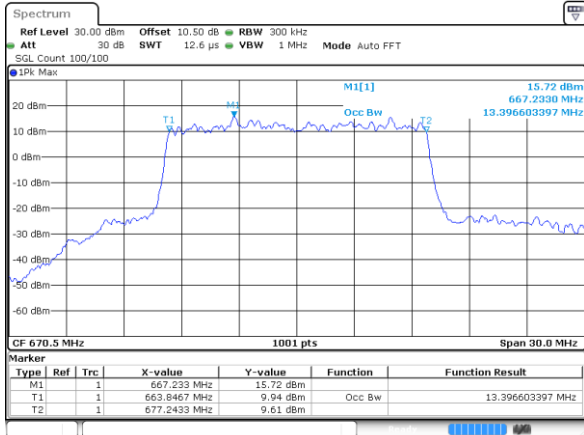


Date: 12 JAN 2018 00:02:11

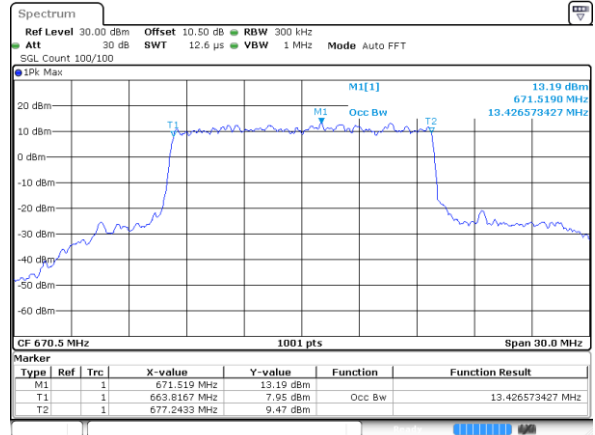


LTE Band 71

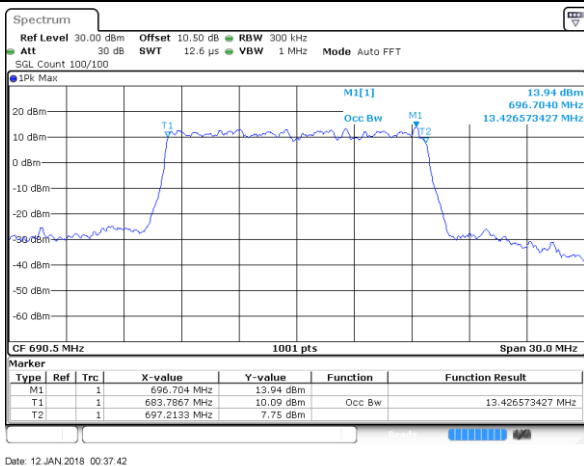
Lowest Channel / 15MHz / QPSK



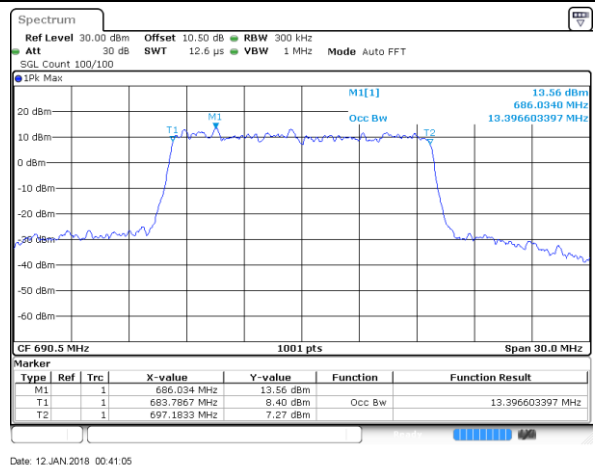
Lowest Channel / 15MHz / 16QAM



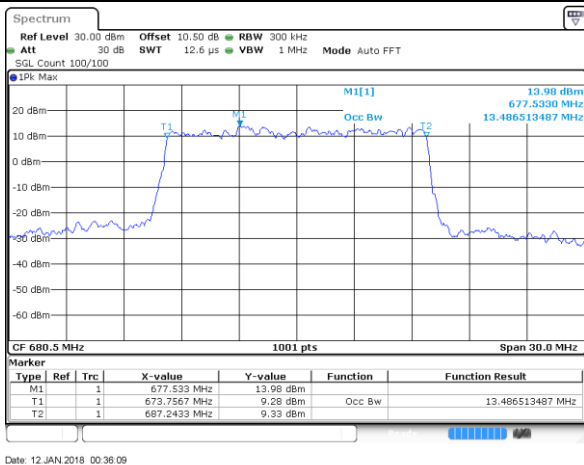
Middle Channel / 15MHz / QPSK



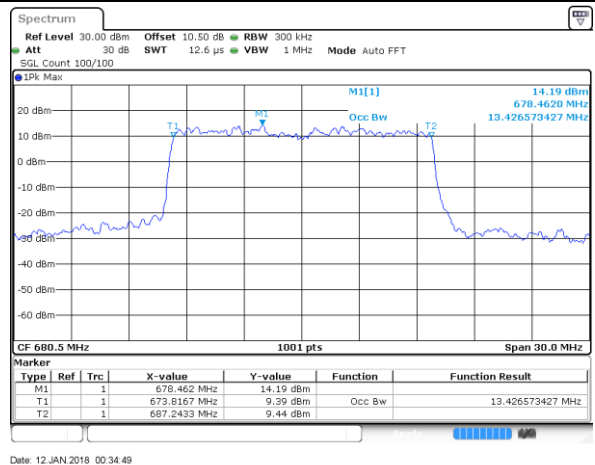
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



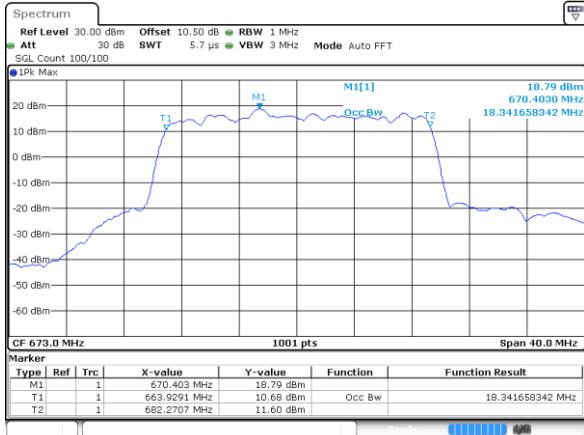
Highest Channel / 15MHz / 16QAM





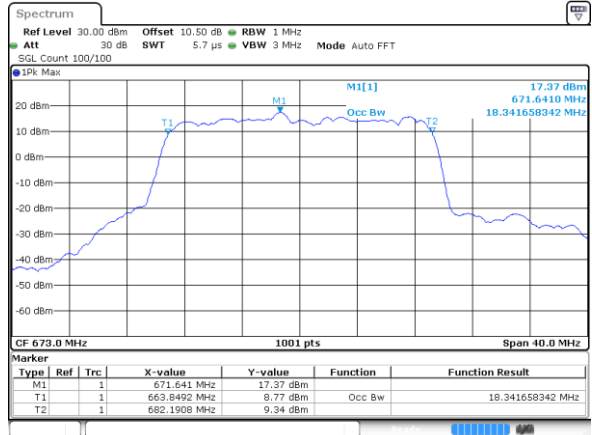
LTE Band 71

Lowest Channel / 20MHz / QPSK



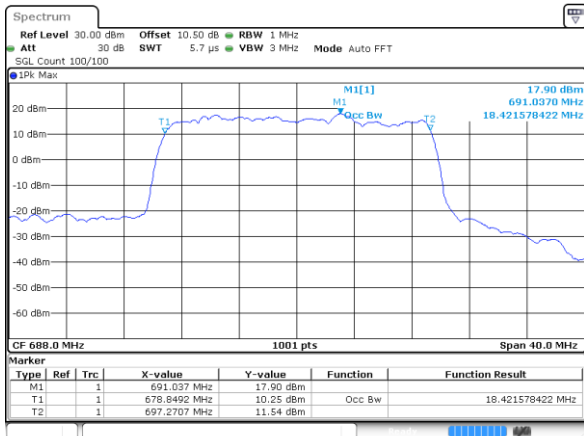
Date: 12 JAN 2018 00:47:03

Lowest Channel / 20MHz / 16QAM



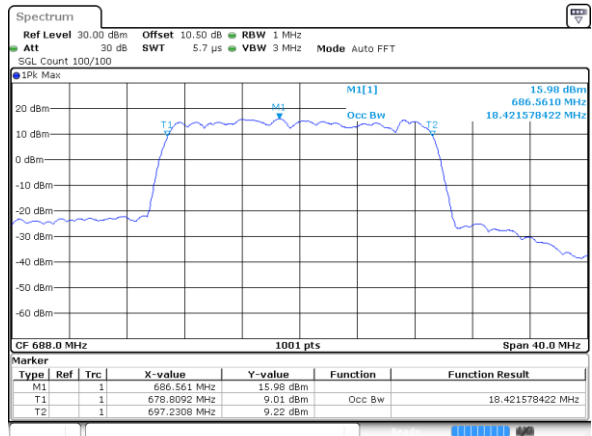
Date: 12 JAN 2018 00:53:13

Middle Channel / 20MHz / QPSK



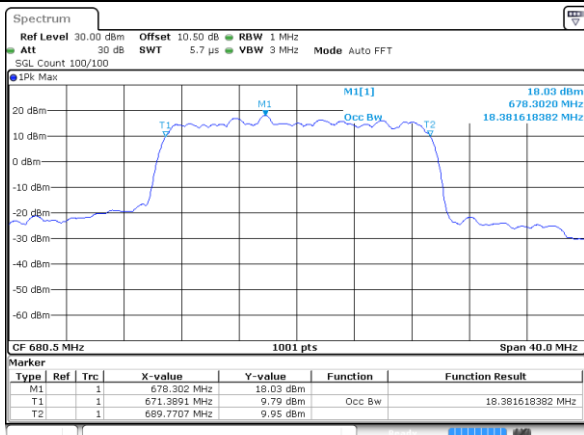
Date: 12 JAN 2018 01:02:24

Middle Channel / 20MHz / 16QAM



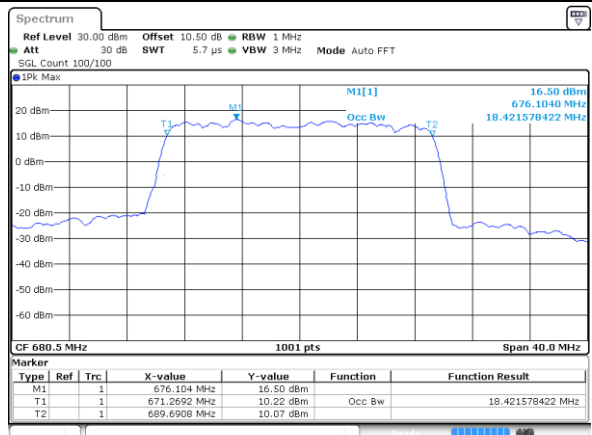
Date: 12 JAN 2018 01:01:27

Highest Channel / 20MHz / QPSK

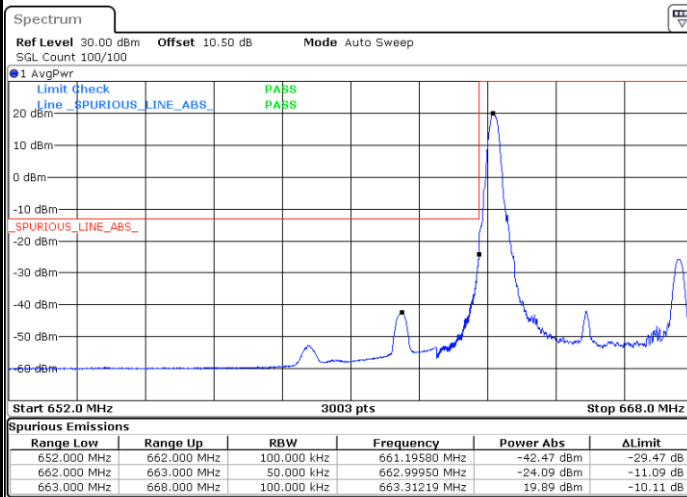
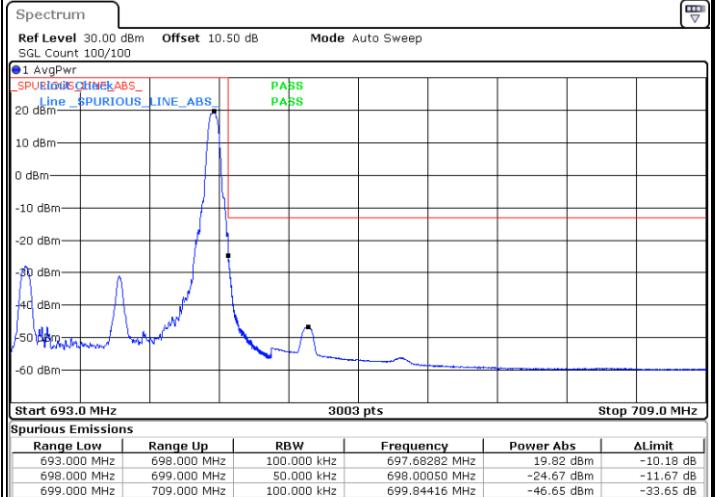
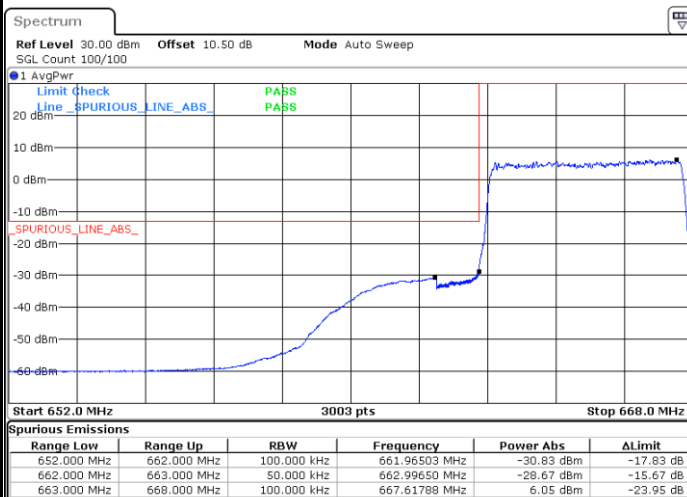
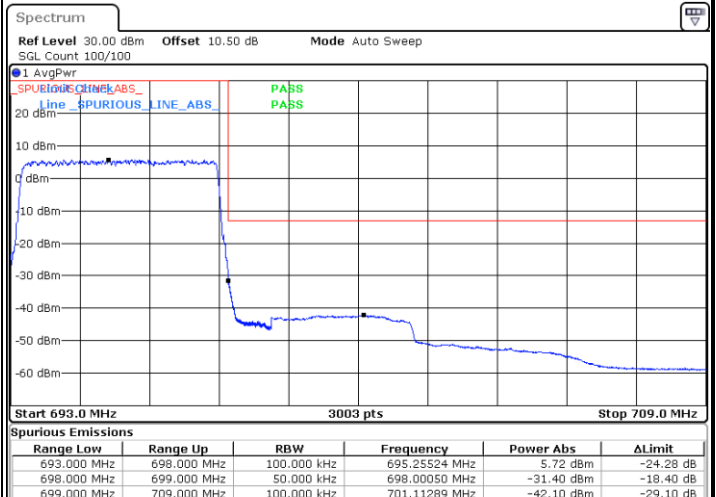


Date: 12 JAN 2018 00:58:38

Highest Channel / 20MHz / 16QAM



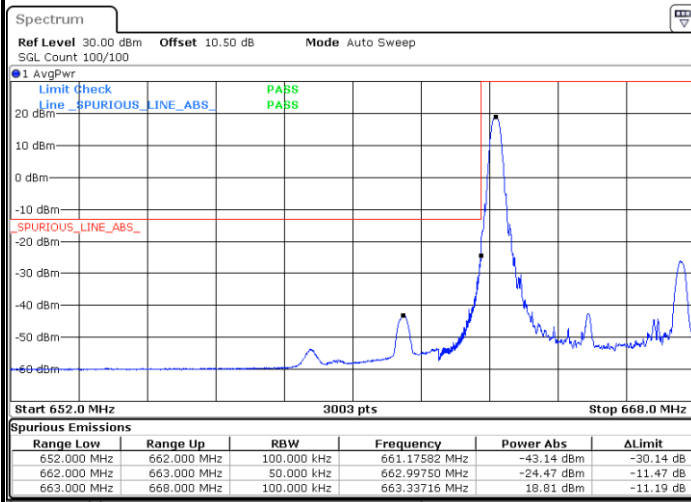
Date: 12 JAN 2018 00:59:17

**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**



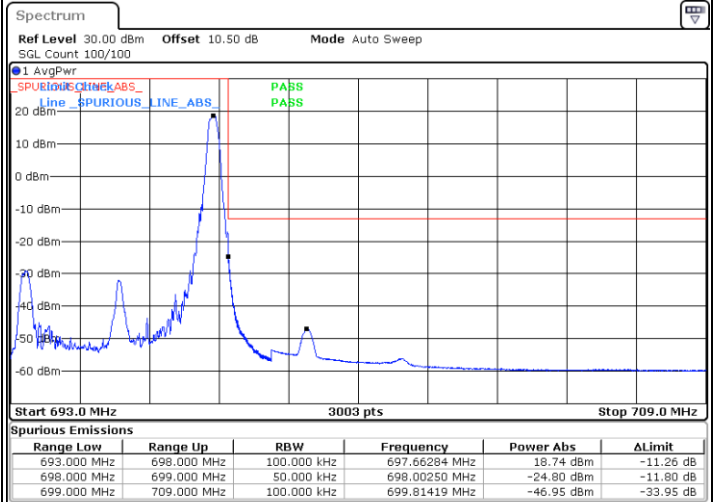
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



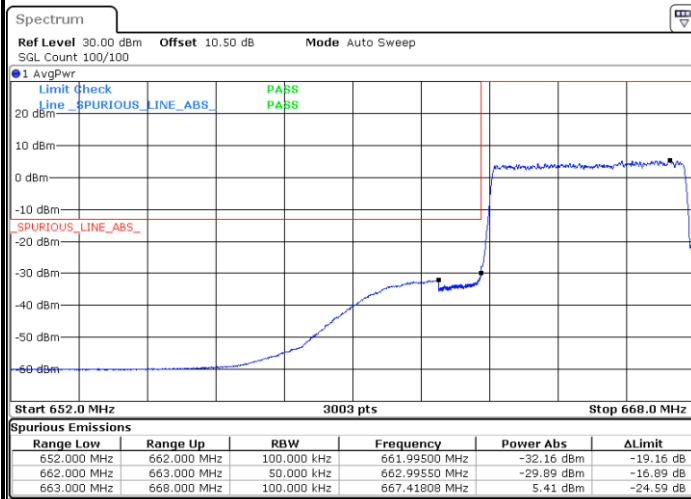
Date: 11 JAN 2018 22:20:30

Highest Band Edge / 1 RB



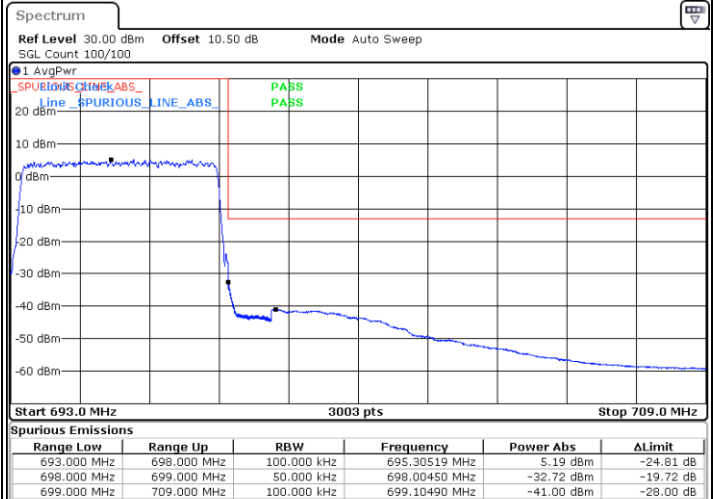
Date: 11 JAN 2018 23:12:27

Lowest Band Edge / Full RB



Date: 11 JAN 2018 22:22:03

Highest Band Edge / Full RB

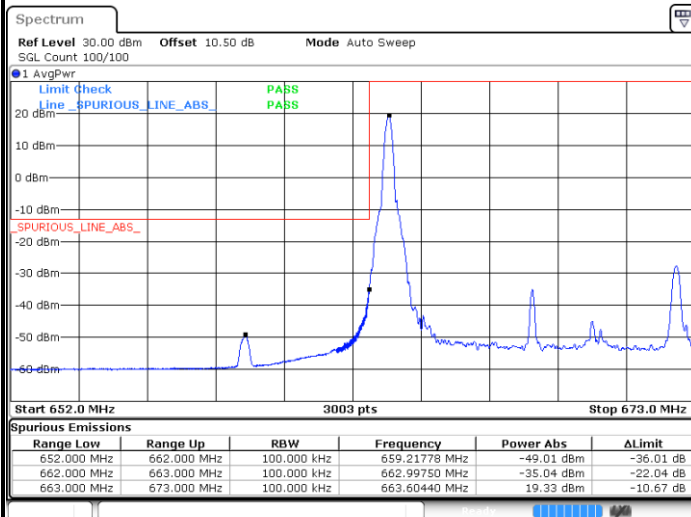


Date: 11 JAN 2018 23:15:41

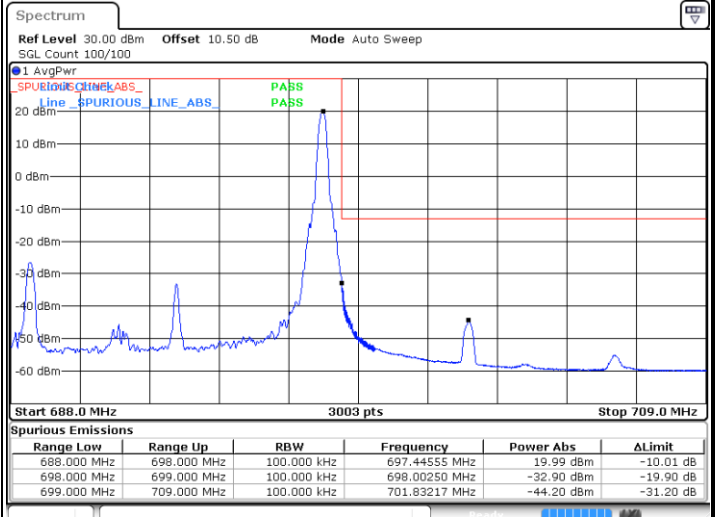


LTE Band 71 / 10MHz / QPSK

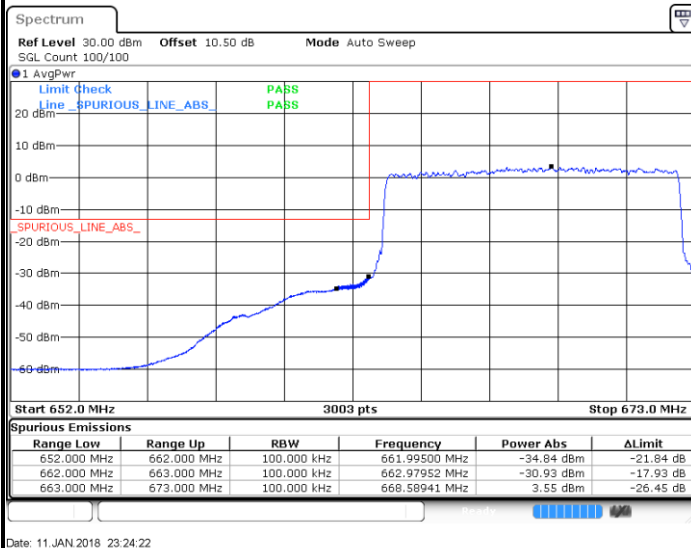
Lowest Band Edge / 1 RB



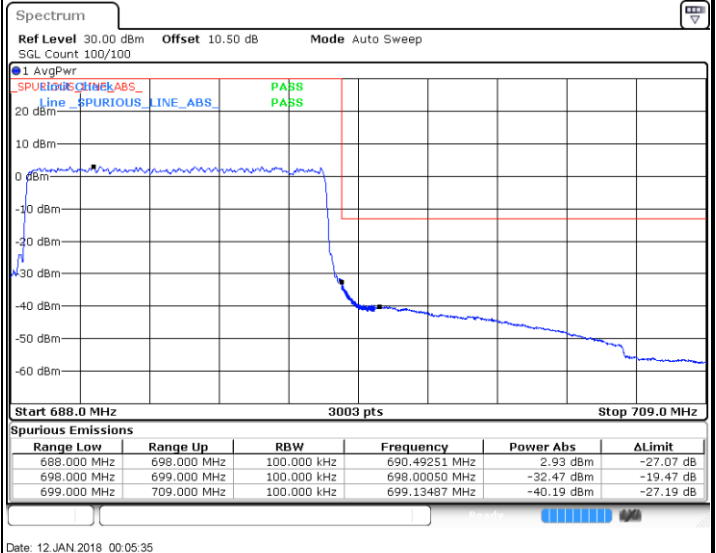
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



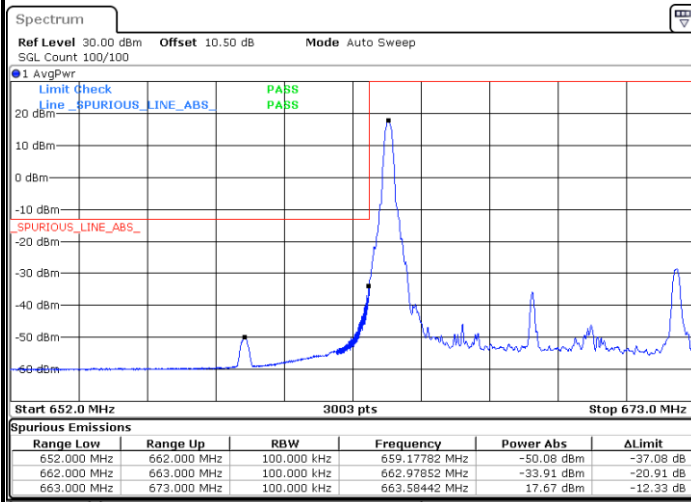
Highest Band Edge / Full RB



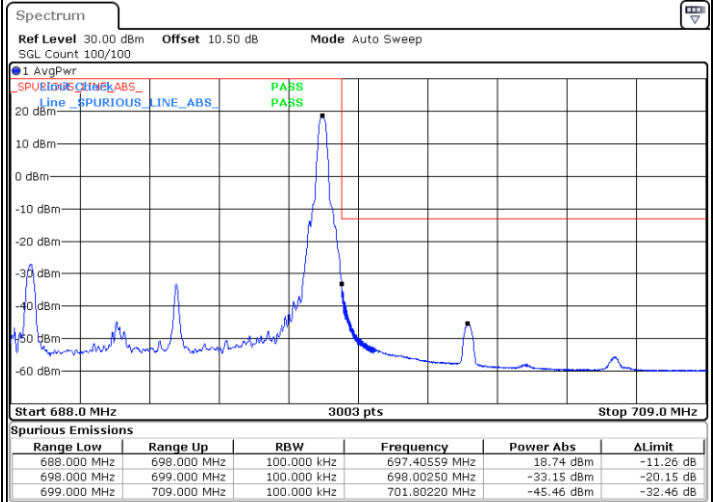


LTE Band 71 / 10MHz / 16QAM

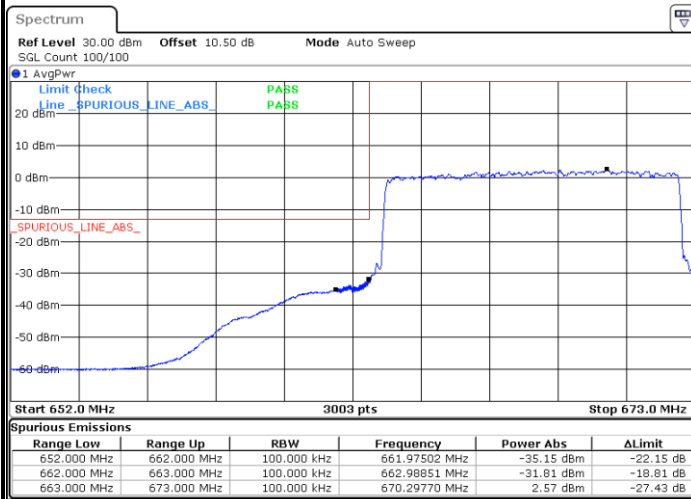
Lowest Band Edge / 1 RB



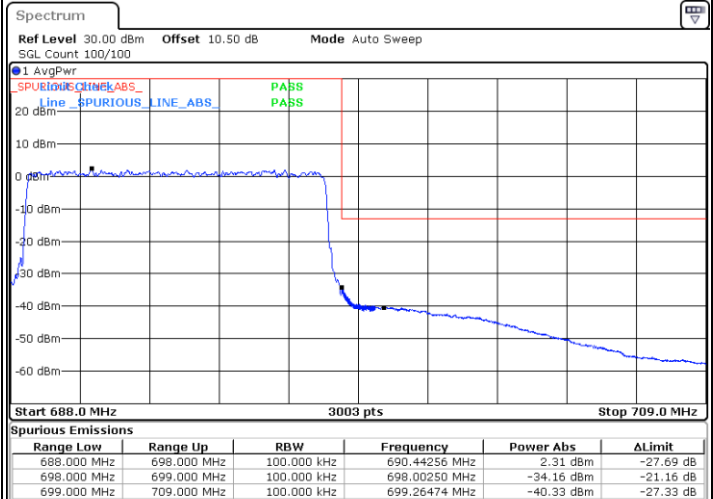
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



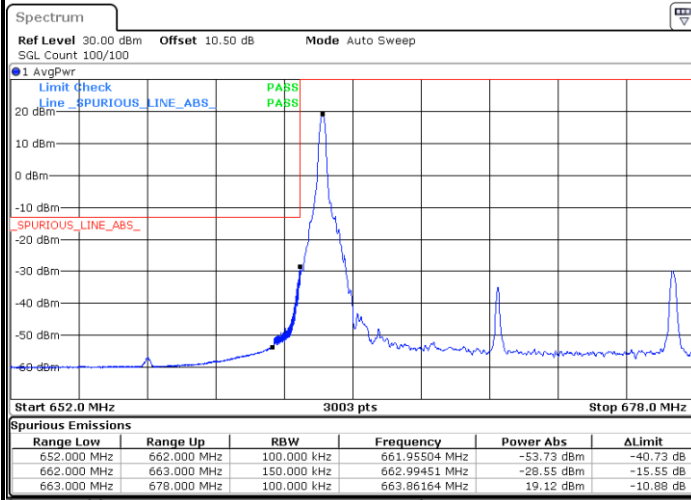
Highest Band Edge / Full RB



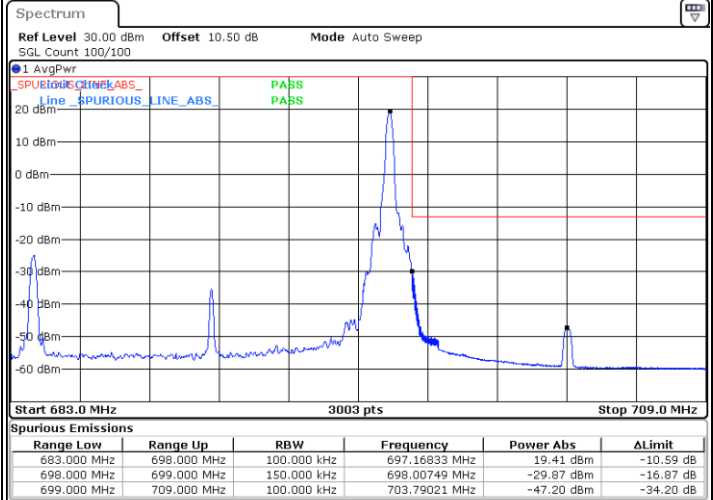


LTE Band 71 / 15MHz / QPSK

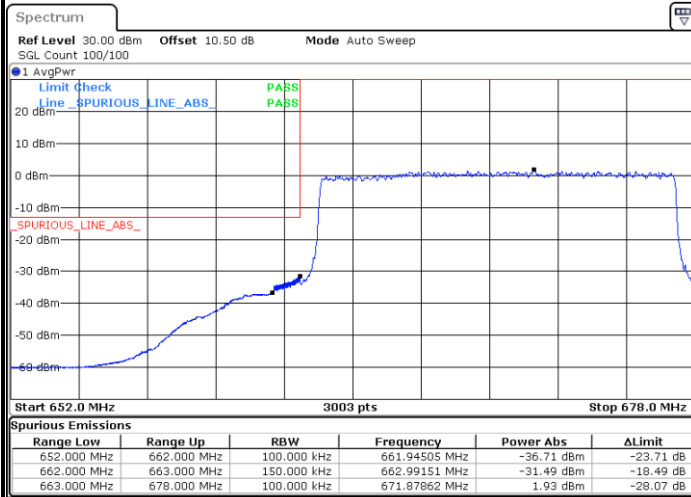
Lowest Band Edge / 1 RB



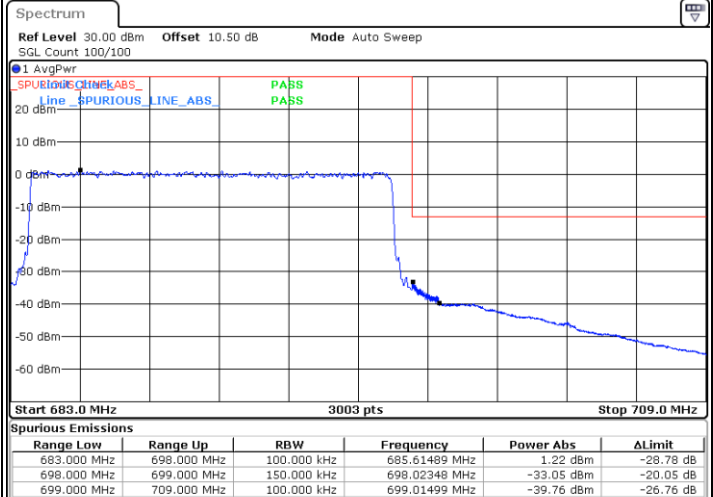
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



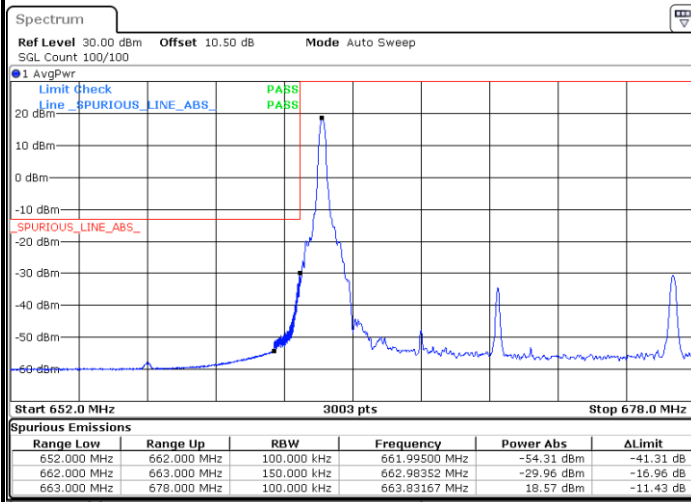
Highest Band Edge / Full RB



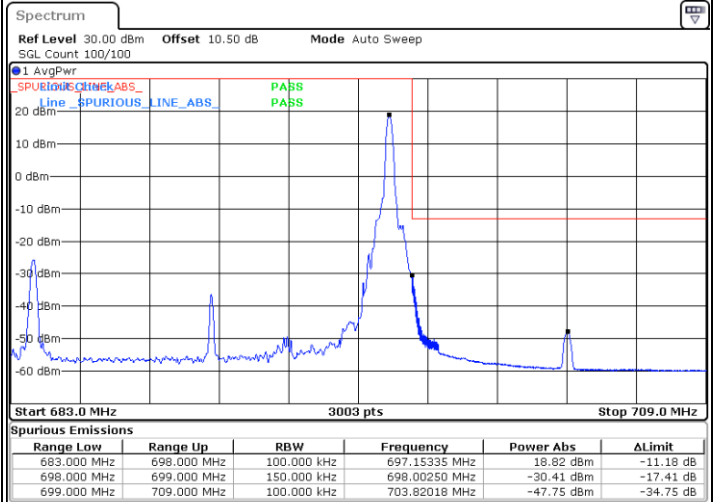


LTE Band 71 / 15MHz / 16QAM

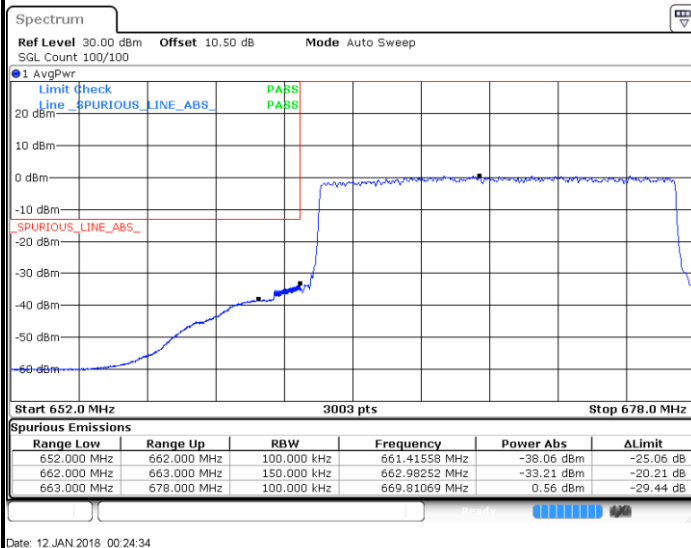
Lowest Band Edge / 1 RB



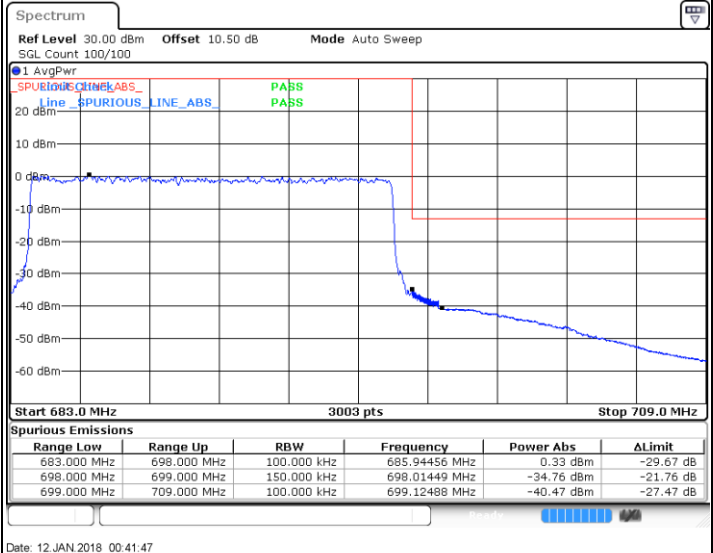
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



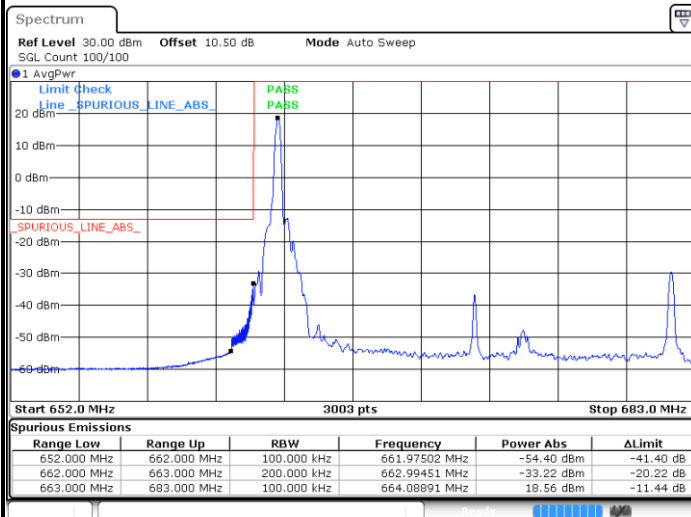
Highest Band Edge / Full RB



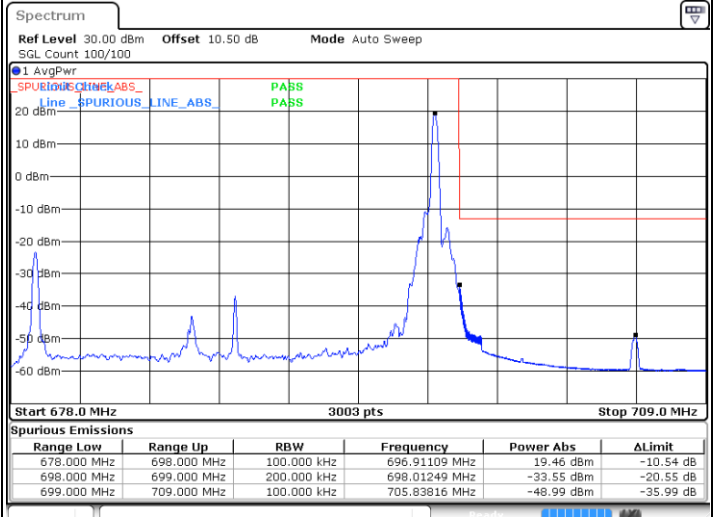


LTE Band 71 / 20MHz / QPSK

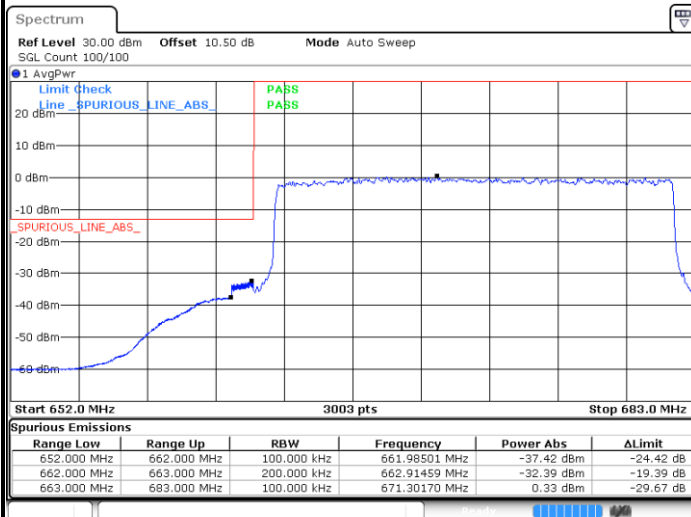
Lowest Band Edge / 1 RB



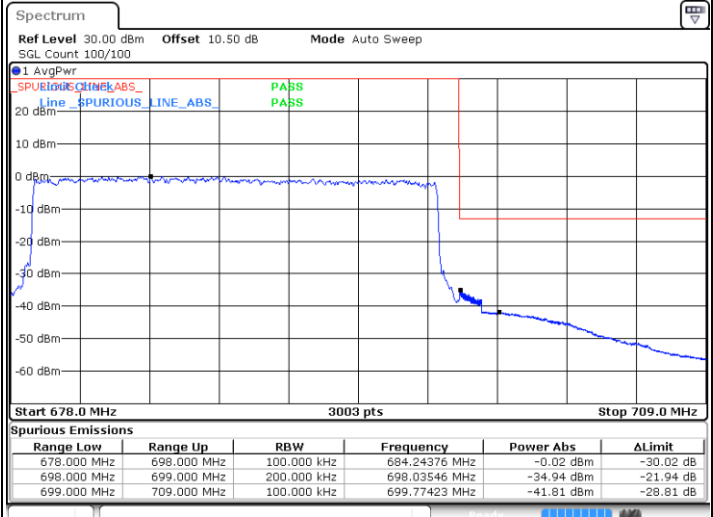
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



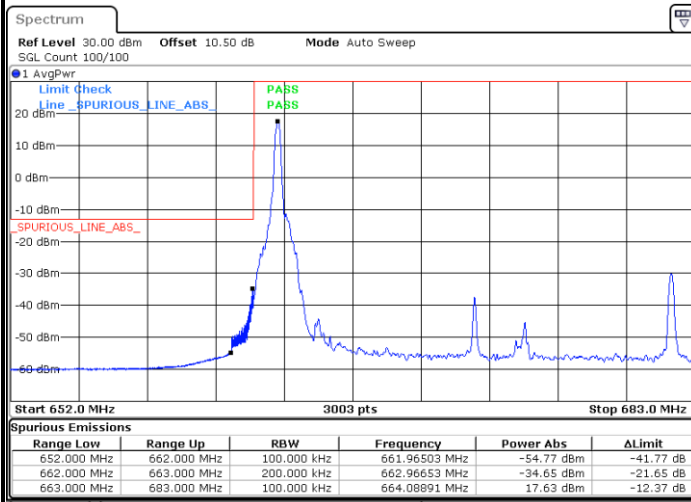
Highest Band Edge / Full RB



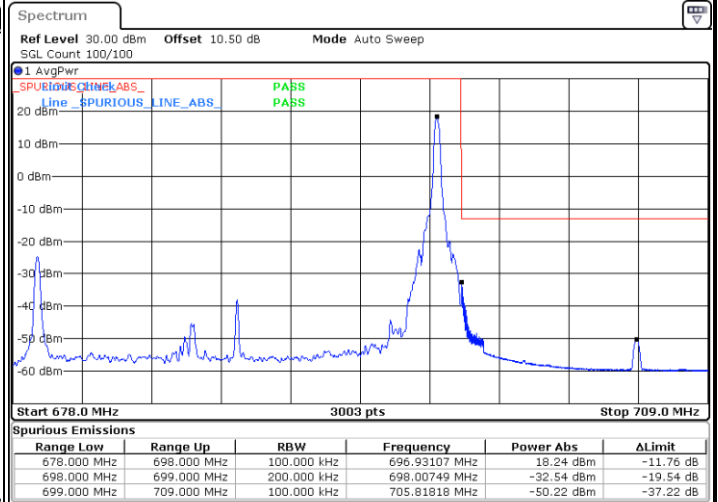


LTE Band 71 / 20MHz / 16QAM

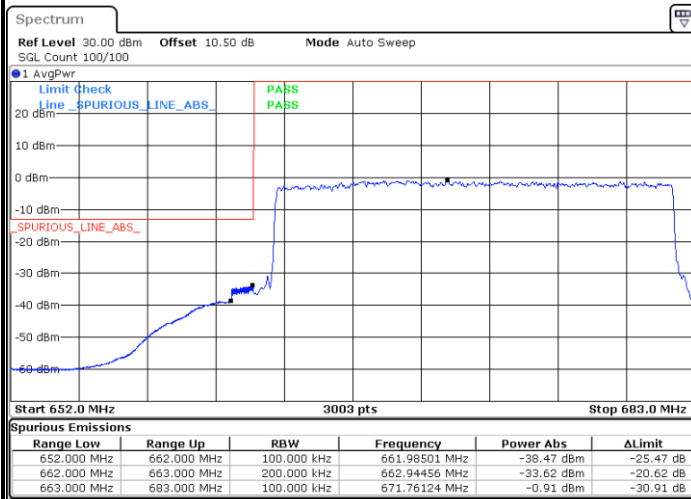
Lowest Band Edge / 1 RB



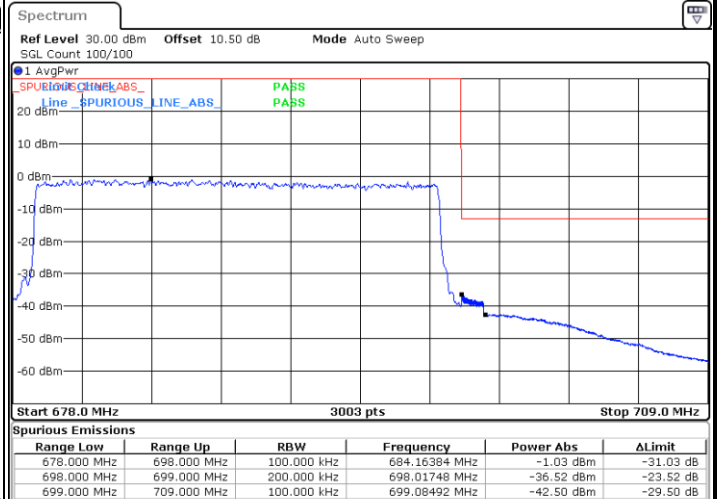
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

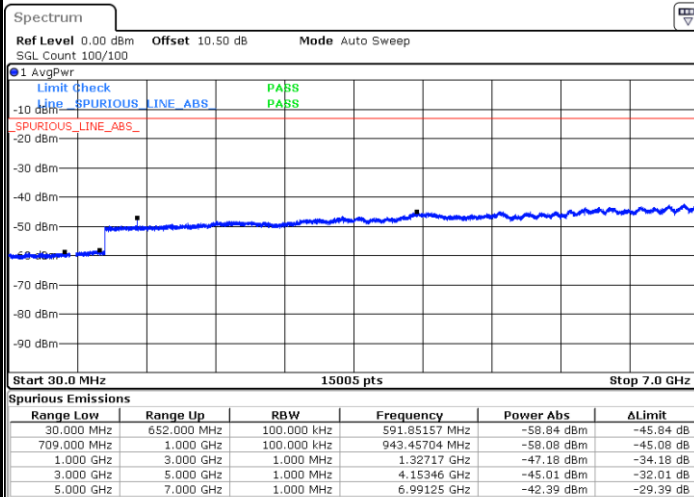




Conducted Spurious Emission

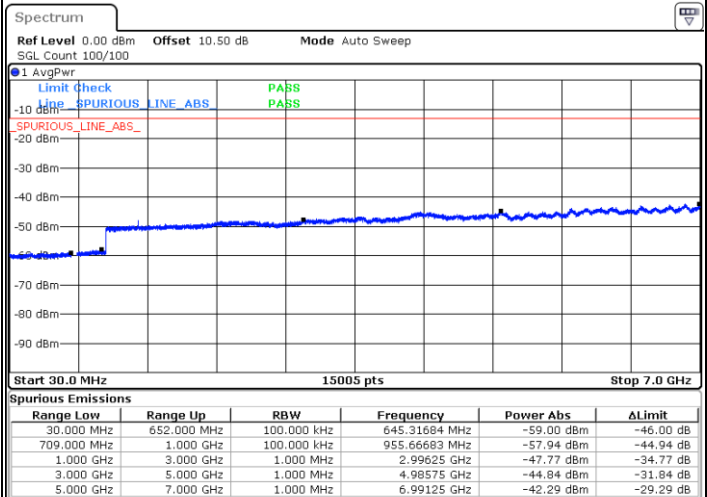
LTE Band 71 / 5MHz

Lowest Channel / QPSK



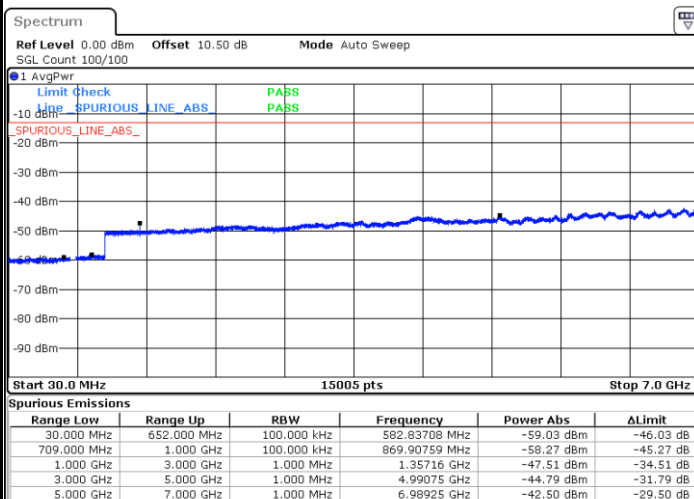
Date: 11.JAN.2018 22:45:45

Lowest Channel / 16QAM



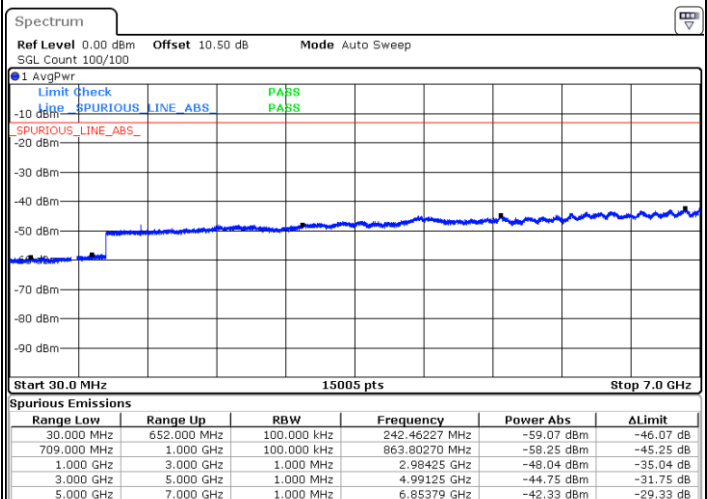
Date: 11.JAN.2018 22:46:12

Middle Channel / QPSK



Date: 11.JAN.2018 22:47:54

Middle Channel / 16QAM



Date: 11.JAN.2018 22:47:00